

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028378.D
 Acq On : 28 Nov 2018 20:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:26 PM

Quant Time: Nov 29 07:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	243169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	439373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	408286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	194666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	202286	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	4.88	113	142950	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.86%	
50) Toluene-d8	7.57	98	580577	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.30	95	211359	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	169878	52.077	ug/l	100
3) Chloromethane	1.33	50	310125	49.048	ug/l	99
4) Vinyl Chloride	1.40	62	228271	51.599	ug/l	100
5) Bromomethane	1.60	94	77934	45.548	ug/l	100
6) Chloroethane	1.68	64	129170	50.742	ug/l	95
7) Trichlorofluoromethane	1.88	101	231614	50.403	ug/l	99
8) Diethyl Ether	2.10	74	106171	49.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	140007	52.302	ug/l	99
10) Methyl Iodide	2.41	142	147354	58.374	ug/l	99
11) Tert butyl alcohol	2.83	59	242375	262.521	ug/l	99
12) 1,1-Dichloroethene	2.28	96	136030	52.364	ug/l	99
13) Acrolein	2.19	56	207743	253.100	ug/l	100
14) Allyl chloride	2.59	41	336804	49.623	ug/l	99
15) Acrylonitrile	2.94	53	656697	268.895	ug/l	99
16) Acetone	2.32	43	549338	220.970	ug/l	100
17) Carbon Disulfide	2.47	76	481541	48.293	ug/l	100
18) Methyl Acetate	2.61	43	369086	53.323	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	555337	52.143	ug/l	99
20) Methylene Chloride	2.70	84	178909	51.024	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	153947	51.098	ug/l	98
22) Diisopropyl ether	3.57	45	704430	52.717	ug/l	99
23) Vinyl Acetate	3.52	43	2947097	265.333	ug/l	99
24) 1,1-Dichloroethane	3.44	63	349940	53.116	ug/l	99
25) 2-Butanone	4.26	43	911810	255.920	ug/l	99
26) 2,2-Dichloropropane	4.22	77	248547	47.503	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	181922	51.058	ug/l	97
28) Bromochloromethane	4.55	49	170042	51.618	ug/l	100
29) Tetrahydrofuran	4.63	42	623278	269.438	ug/l	99
30) Chloroform	4.67	83	304686	50.104	ug/l	99
31) Cyclohexane	4.99	56	343094	50.736	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	252502	51.746	ug/l	99
36) 1,1-Dichloropropene	5.13	75	237045	49.302	ug/l	99
37) Ethyl Acetate	4.38	43	344317	52.550	ug/l	100
38) Carbon Tetrachloride	5.13	117	196725	49.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	287394	50.698	ug/l	97
40) Benzene	5.39	78	732618	51.447	ug/l	100
41) Methacrylonitrile	4.54	41	194022	53.321	ug/l	96
42) 1,2-Dichloroethane	5.40	62	259459	50.577	ug/l	99
43) Isopropyl Acetate	5.55	43	552764	53.238	ug/l	99
44) Trichloroethene	6.18	130	155314	50.883	ug/l	96
45) 1,2-Dichloropropane	6.43	63	212148	50.873	ug/l	98
46) Dibromomethane	6.56	93	120831	50.445	ug/l	99
47) Bromodichloromethane	6.76	83	237840	49.920	ug/l	98
48) Methyl methacrylate	6.62	41	280247	51.816	ug/l	98
49) 1,4-Dioxane	6.61	88	93237	1079.106	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1750411	263.956	ug/l	99
52) Toluene	7.64	92	426564	52.019	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	281926	49.486	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	307221	50.336	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	173322	50.786	ug/l	98
56) Ethyl methacrylate	8.02	69	309014	53.224	ug/l	98
57) 1,3-Dichloropropane	8.24	76	316947	50.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	817278	262.190	ug/l	100
59) 2-Hexanone	8.36	43	1349698	262.754	ug/l	100
60) Dibromochloromethane	8.48	129	162706	50.128	ug/l	100
61) 1,2-Dibromoethane	8.58	107	179786	51.436	ug/l	96
64) Tetrachloroethene	8.22	164	132172	49.214	ug/l	98
65) Chlorobenzene	9.12	112	431895	50.945	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	146008	50.244	ug/l	99
67) Ethyl Benzene	9.25	91	822524	51.513	ug/l	100
68) m/p-Xylenes	9.37	106	594540	103.450	ug/l	99
69) o-Xylene	9.78	106	293435	51.361	ug/l	99
70) Styrene	9.79	104	487799	52.940	ug/l	100
71) Bromoform	9.96	173	124462	50.956	ug/l #	100
73) Isopropylbenzene	10.16	105	773380	51.081	ug/l	100
74) N-amyl acetate	10.01	43	493873	52.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	319064	51.247	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	282944m	52.414	ug/l	
77) Bromobenzene	10.45	156	179919	50.433	ug/l	98
78) n-propylbenzene	10.58	91	956020	51.186	ug/l	100
79) 2-Chlorotoluene	10.66	91	567120	51.508	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	654669	51.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	99403m	48.880	ug/l	
82) 4-Chlorotoluene	10.77	91	649824	51.225	ug/l	99
83) tert-Butylbenzene	11.10	119	625272	52.573	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	665775	51.519	ug/l	100
85) sec-Butylbenzene	11.32	105	793272	51.352	ug/l	100
86) p-Isopropyltoluene	11.48	119	658097	51.810	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	324116	49.813	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	327610	50.029	ug/l	99
89) n-Butylbenzene	11.89	91	649201	51.787	ug/l	100
90) Hexachloroethane	12.14	117	97776	49.305	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	333977	51.446	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	70090	50.611	ug/l	100

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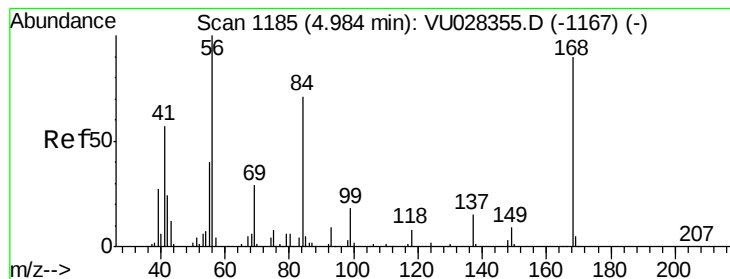
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	212803	50.079	ug/l	100
94) Hexachlorobutadiene	13.69	225	98975	49.327	ug/l	98
95) Naphthalene	13.74	128	782597	47.893	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	223042	51.898	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 243169

Ion Ratio Lower Upper

168 100

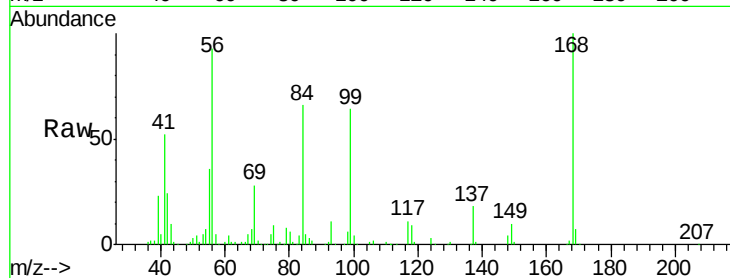
99 63.6 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028378.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028378.D (-1092) (-)

4.98

120000

100000

80000

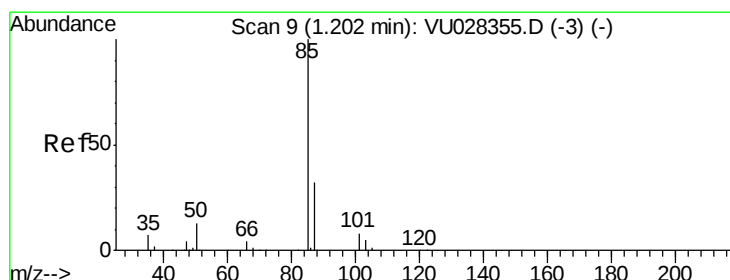
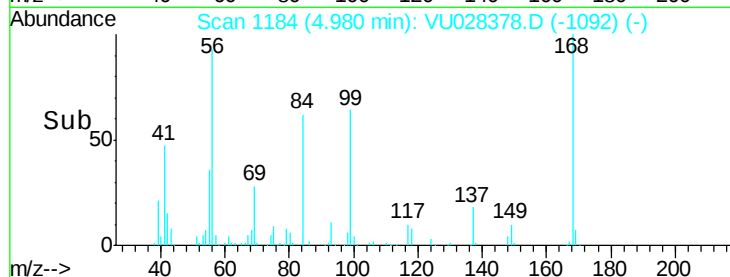
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.077 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028378.D

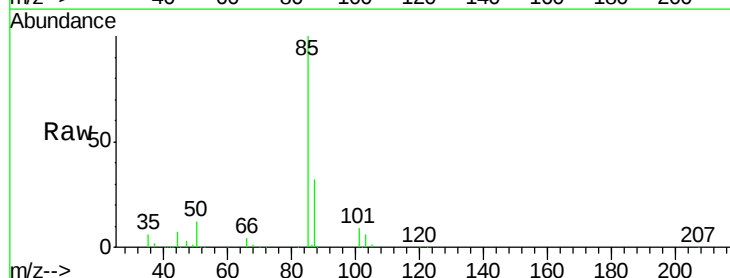
Acq: 28 Nov 2018 20:09

Tgt Ion: 85 Resp: 169878

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028378.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028378.D (-1) (-)

1.21

200000

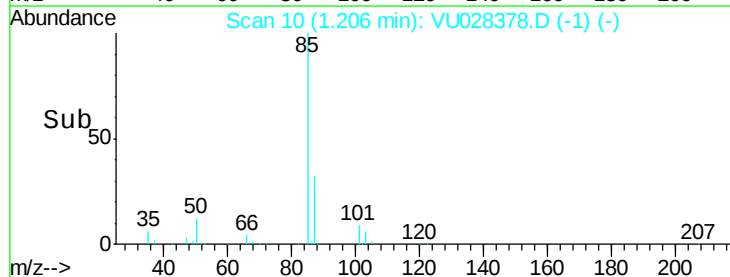
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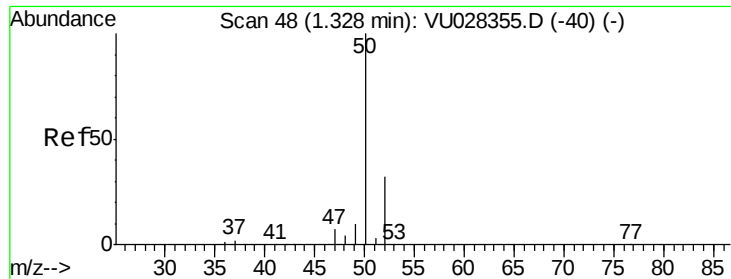
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.048 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 310125

Ion Ratio Lower Upper

50 100

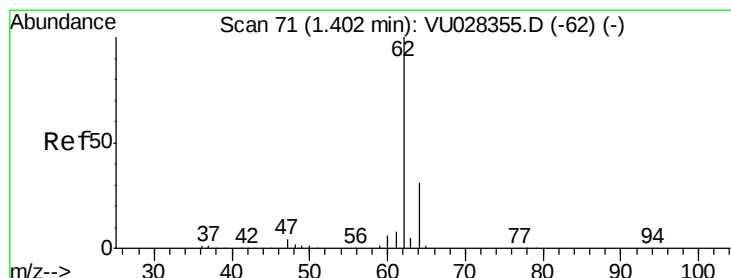
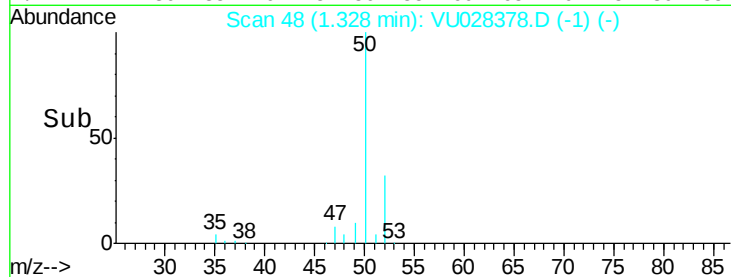
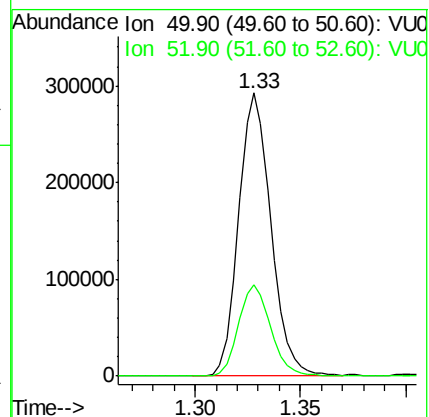
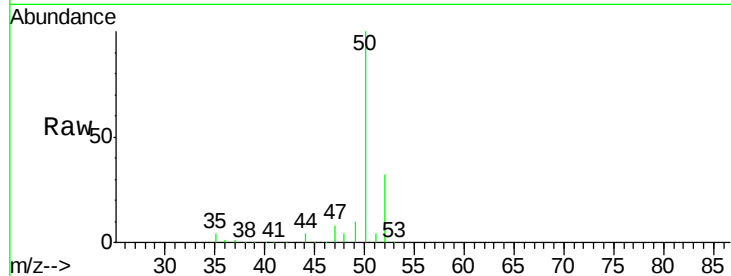
52 32.4 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.599 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028378.D

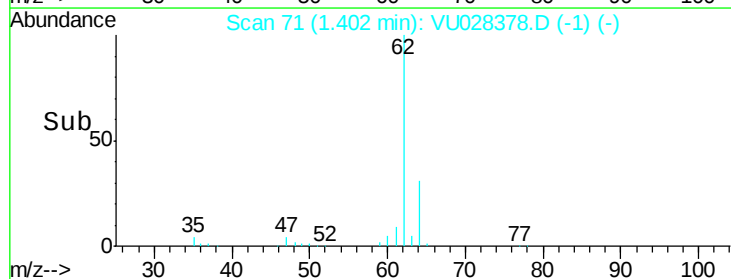
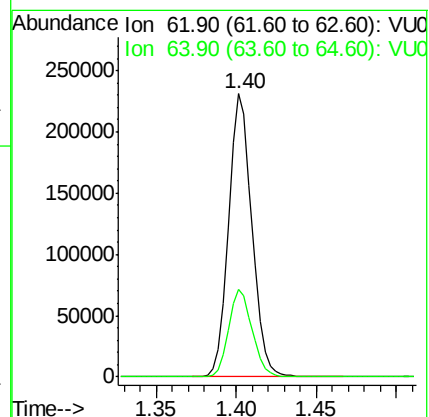
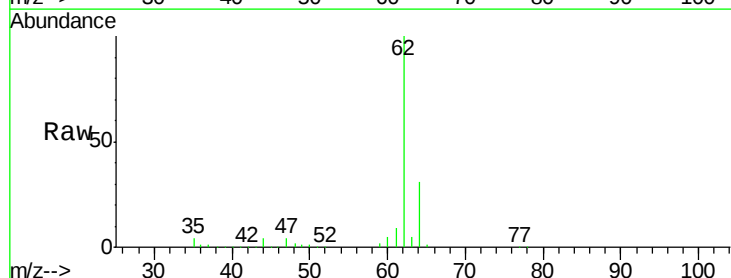
Acq: 28 Nov 2018 20:09

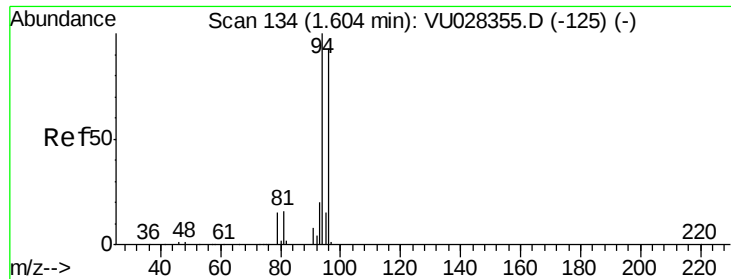
Tgt Ion: 62 Resp: 228271

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 45.548 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77934

Ion Ratio Lower Upper

94 100

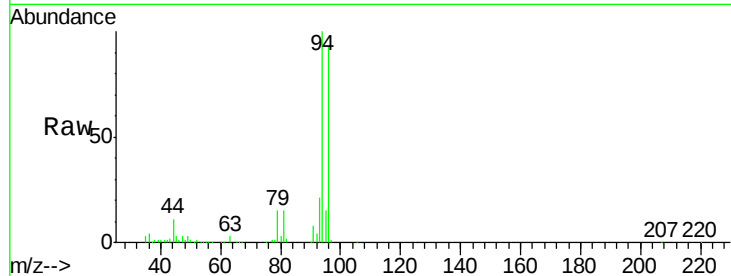
96 93.4 74.6 112.0

Manual Integrations

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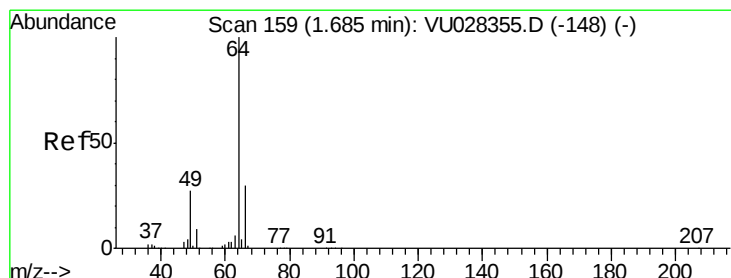
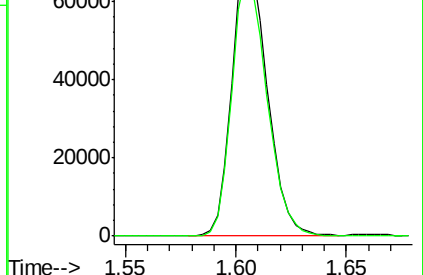
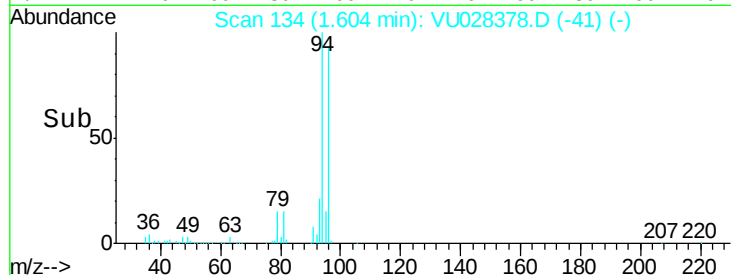


Abundance Ion 93.90 (93.60 to 94.60): VU028378.D (-41) (-)

Ion 95.90 (95.60 to 96.60): VU028378.D (-41) (-)

1.60

Time-->



#6

Chloroethane

Concen: 50.742 ug/l

RT: 1.68 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU028378.D

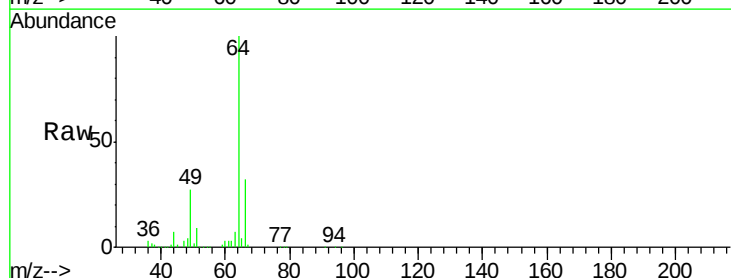
Acq: 28 Nov 2018 20:09

Tgt Ion: 64 Resp: 129170

Ion Ratio Lower Upper

64 100

66 32.2 23.6 35.4

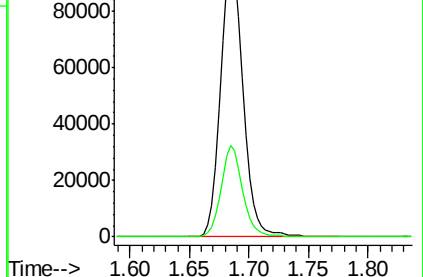
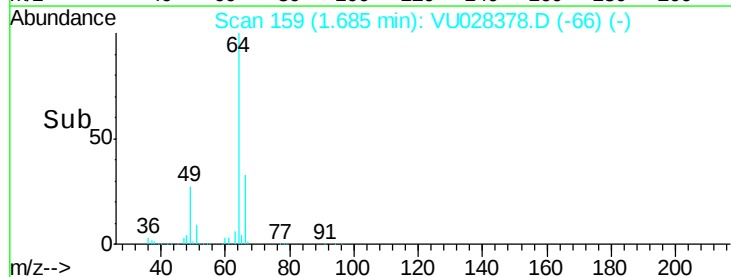


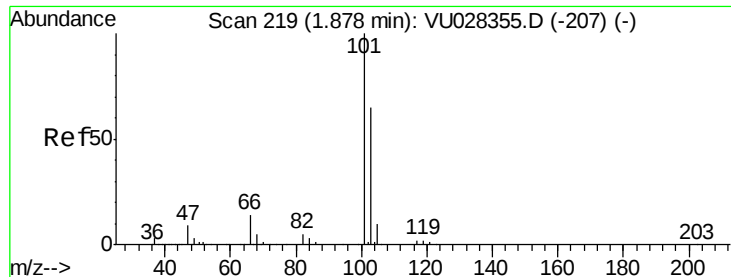
Abundance Ion 63.90 (63.60 to 64.60): VU028378.D (-66) (-)

Ion 65.90 (65.60 to 66.60): VU028378.D (-66) (-)

1.68

Time-->





#7

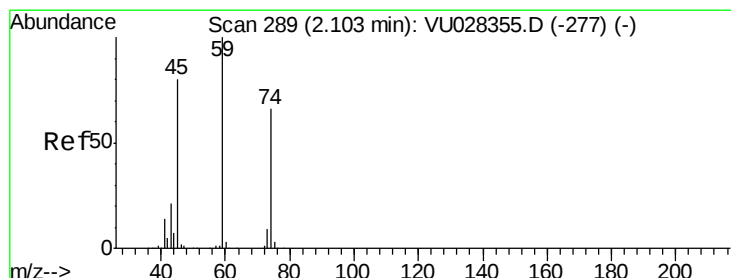
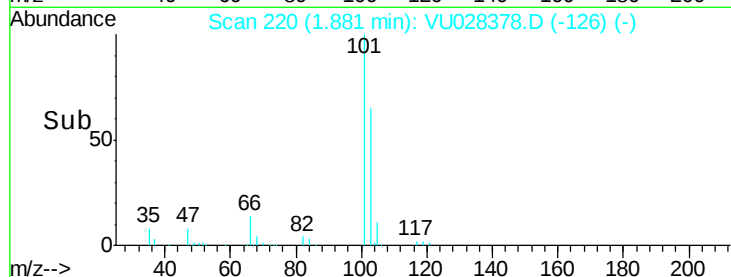
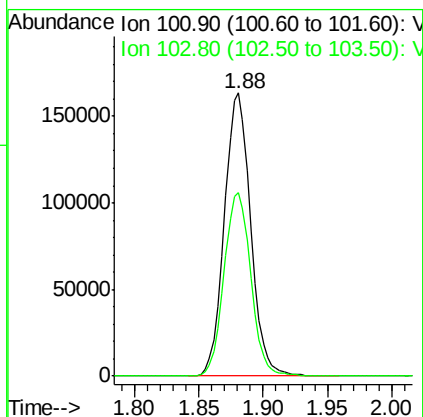
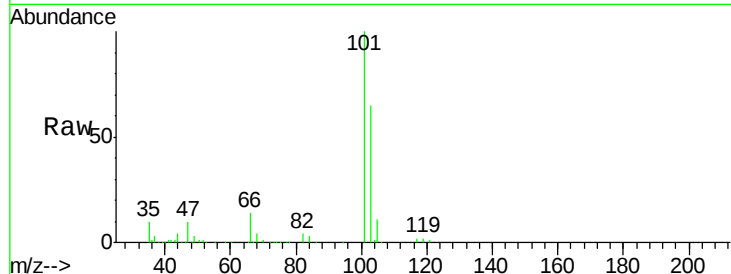
Trichlorofluoromethane
Concen: 50.403 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4

Manual Integrations
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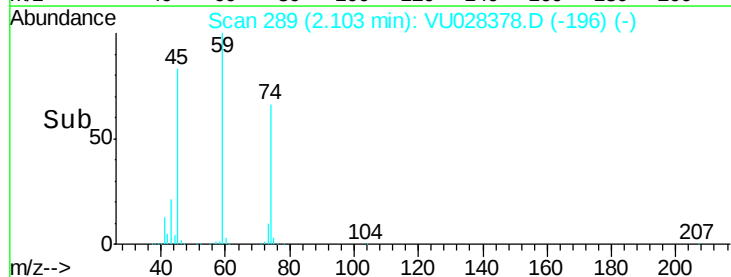
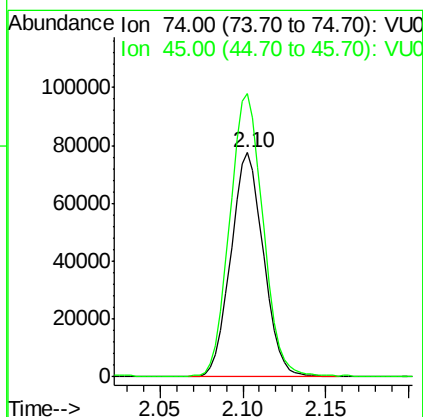
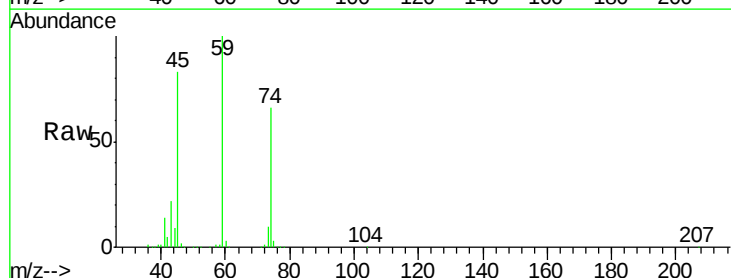
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11/29/2018 1:23:26 PM

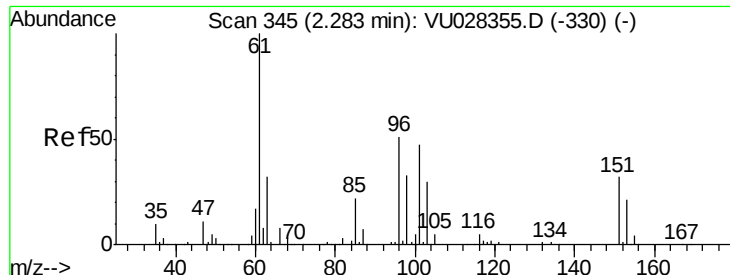


#8

Diethyl Ether
Concen: 49.702 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.1	63.0	189.1





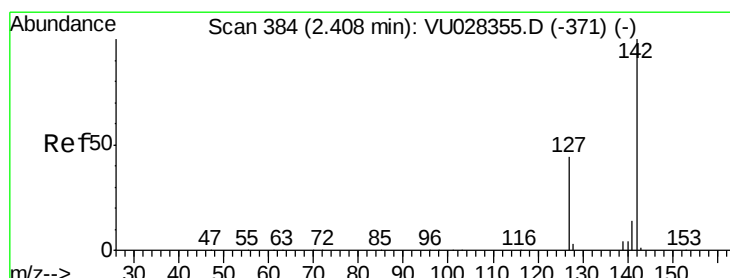
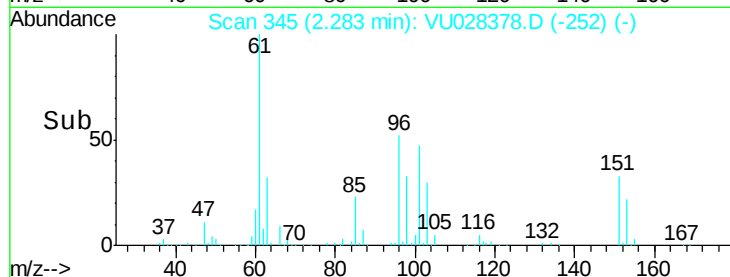
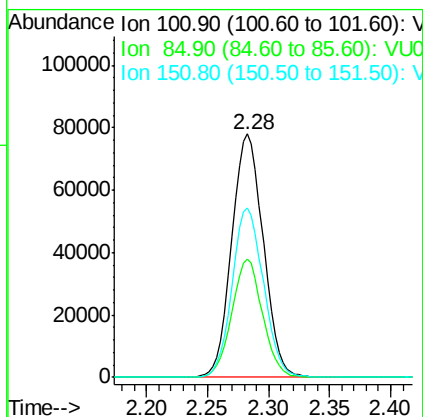
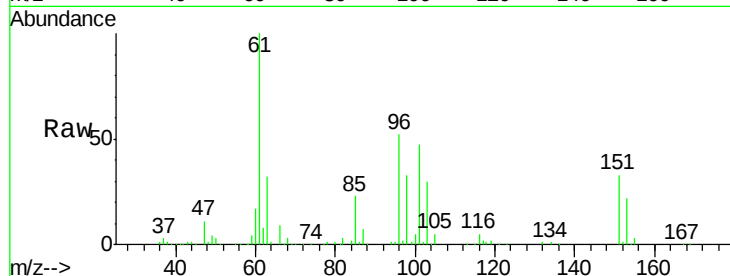
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.302 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	140007		
85	47.2		37.2	55.8
151	69.3		55.4	83.0

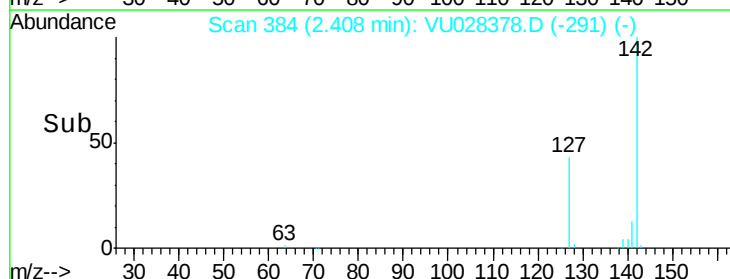
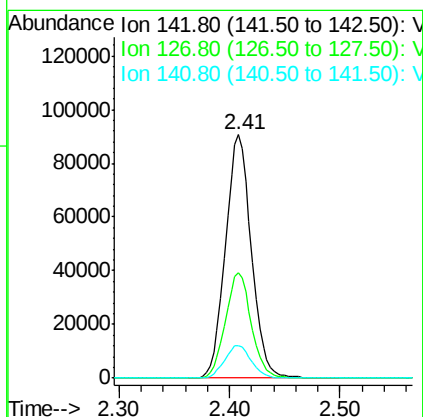
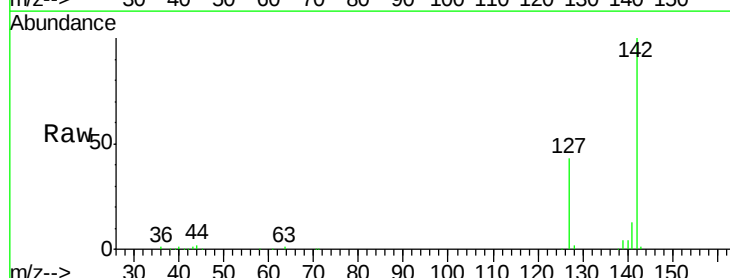
Manual Integrations
 APPROVED

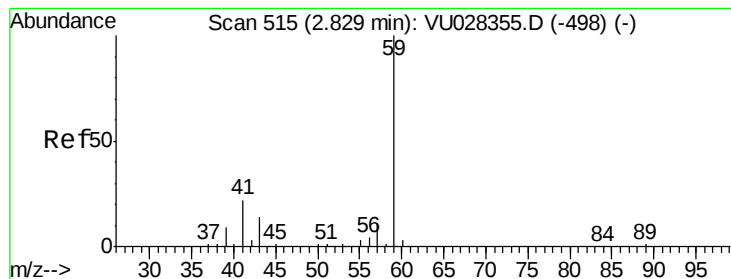
MMDadoda
 11/29/2018 1:23:26 PM



#10
 Methyl Iodide
 Concen: 58.374 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	147354		
127	43.1		35.0	52.6
141	13.7		11.2	16.8





#11

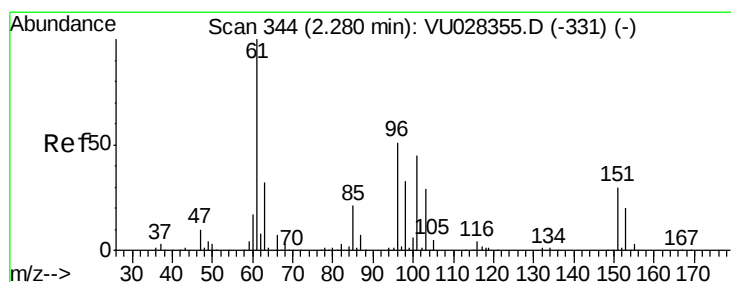
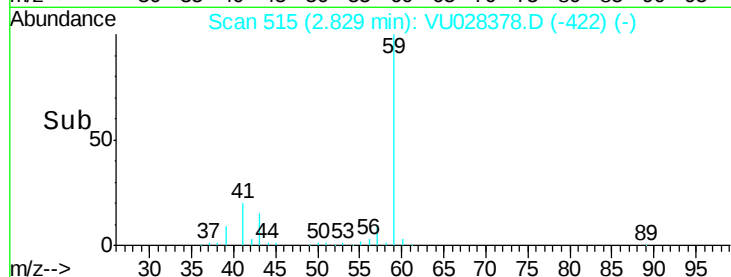
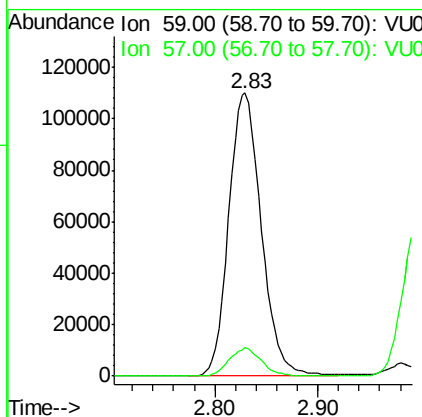
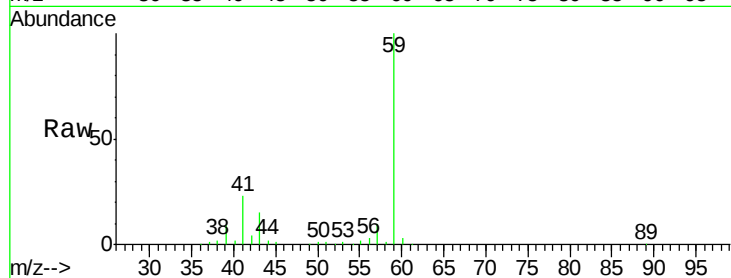
Tert butyl alcohol
Concen: 262.521 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	242375		
57	9.9		8.3	12.5

Manual Integrations
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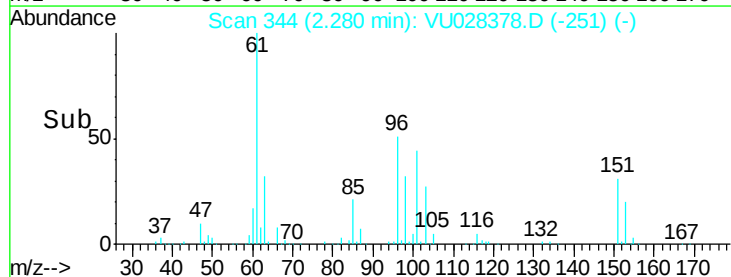
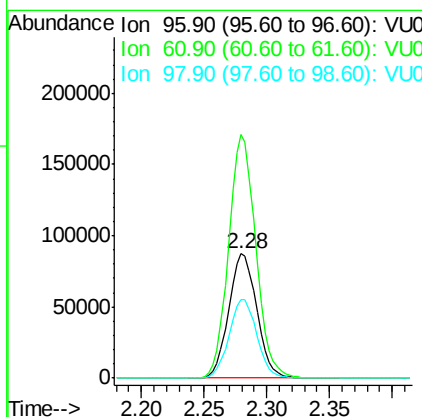
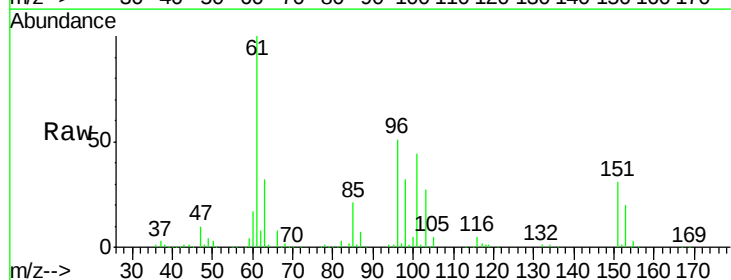
MMDadoda
11/29/2018 1:23:26 PM

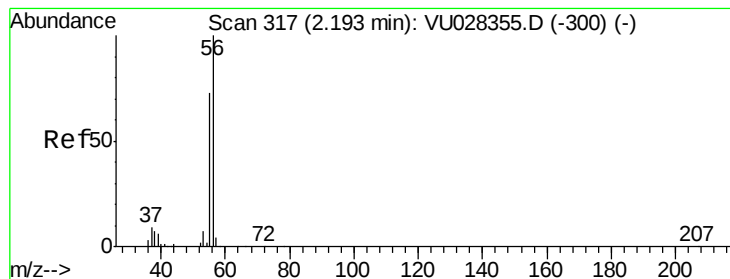


#12

1,1-Dichloroethene
Concen: 52.364 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136030		
61	195.9		158.1	237.1
98	63.5		51.4	77.2





#13

Acrolein

Concen: 253.100 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 207743

Ion Ratio Lower Upper

56 100

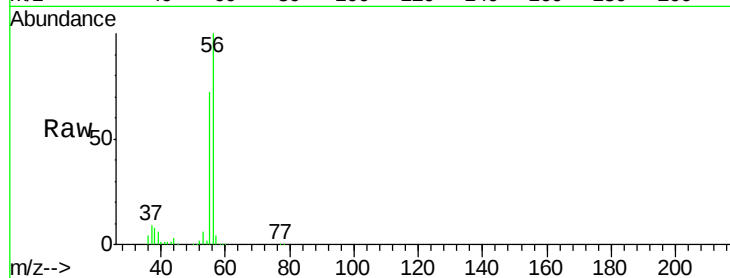
55 71.1 56.6 85.0

Manual Integrations

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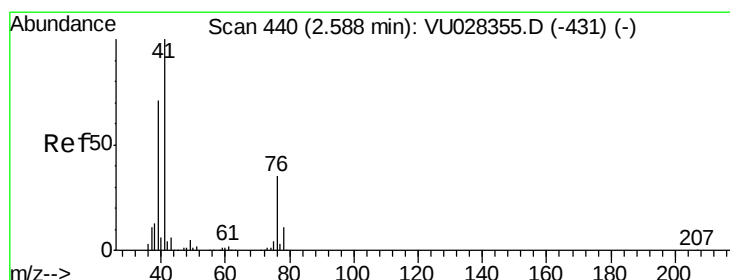
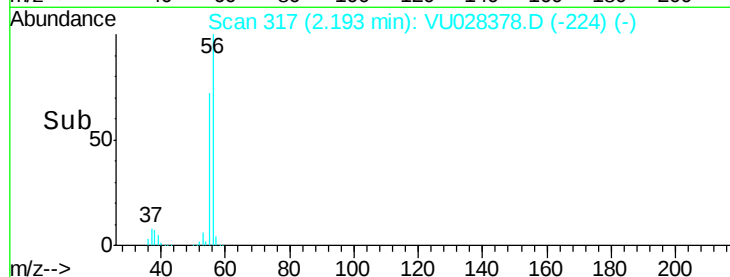
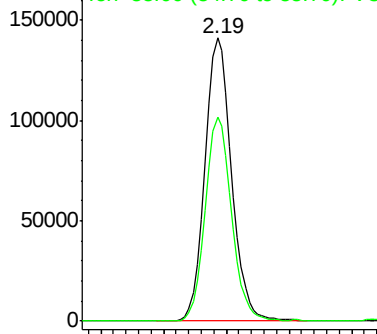
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 49.623 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

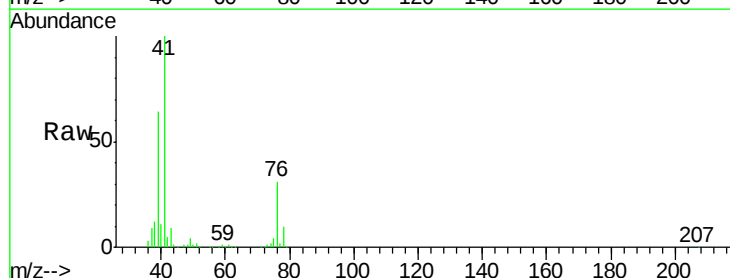
Tgt Ion: 41 Resp: 336804

Ion Ratio Lower Upper

41 100

39 64.0 51.6 77.4

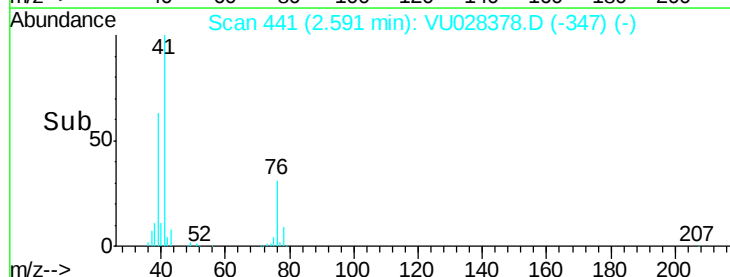
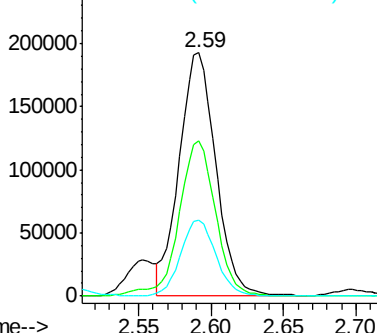
76 30.0 24.4 36.6

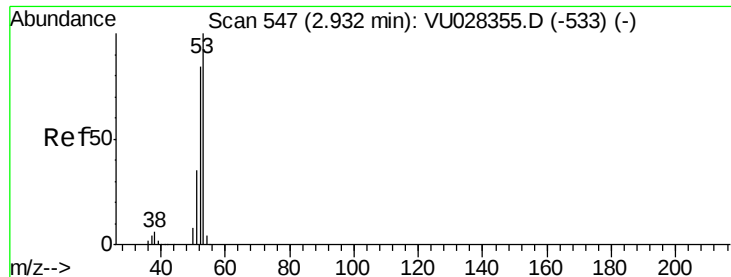


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 268.895 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

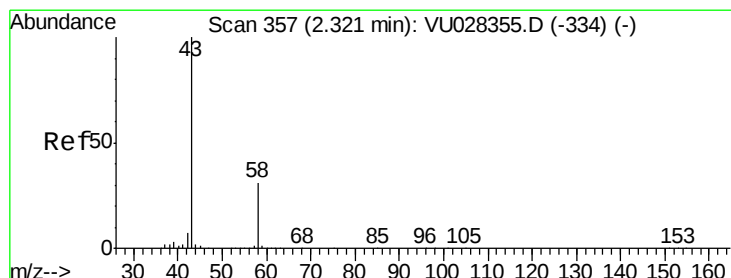
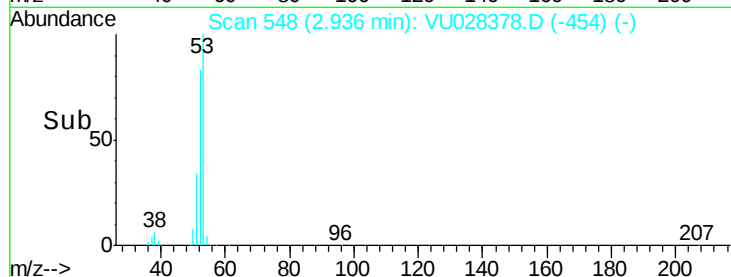
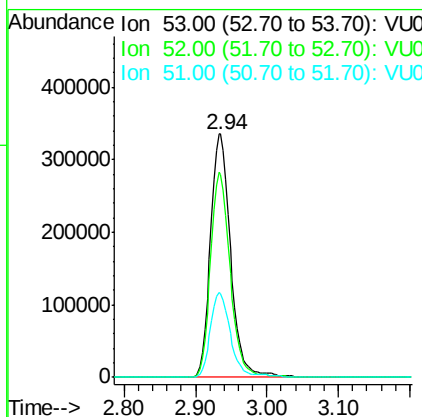
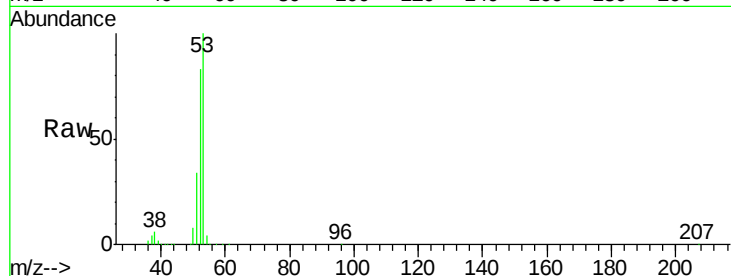
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	656697
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	34.2	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 220.970 ug/l

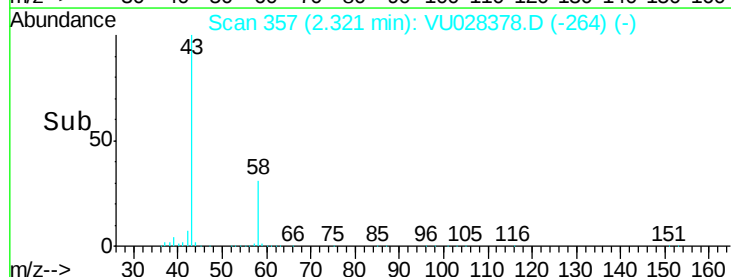
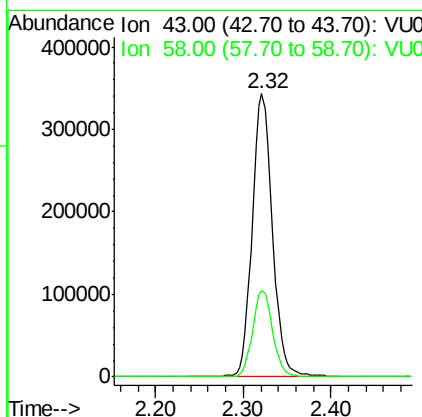
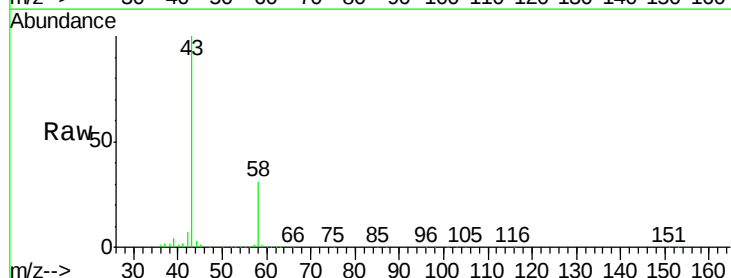
RT: 2.32 min Scan# 357

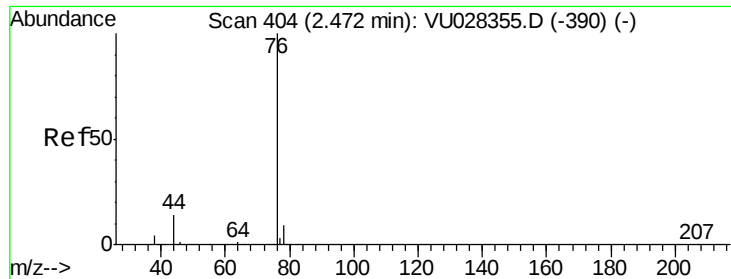
Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion:	43	Resp:	549338
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6





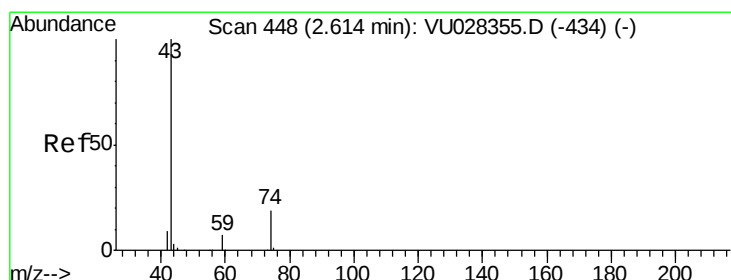
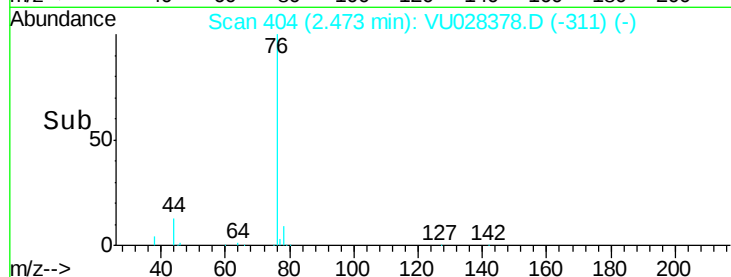
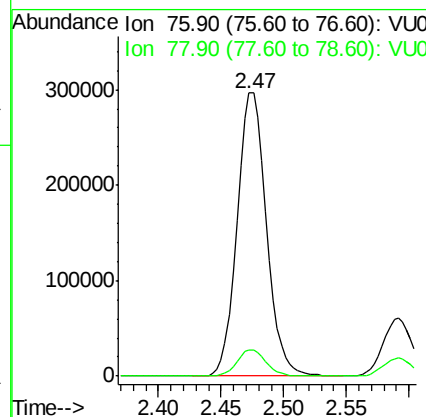
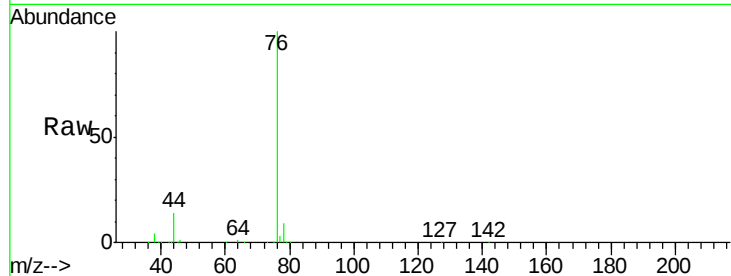
#17
Carbon Disulfide
Concen: 48.293 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

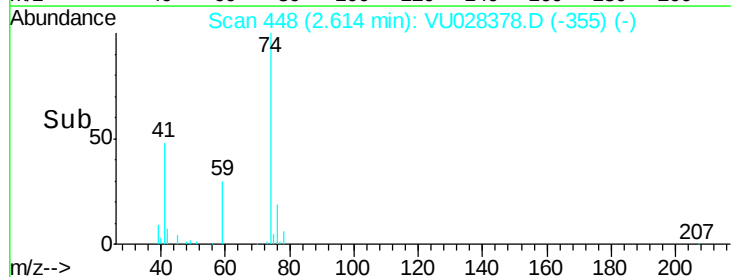
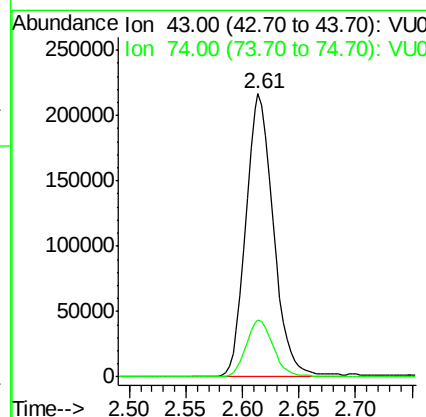
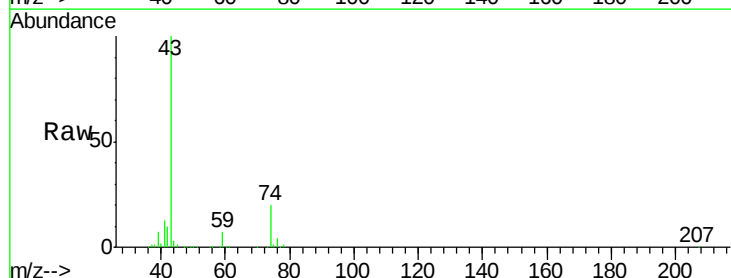
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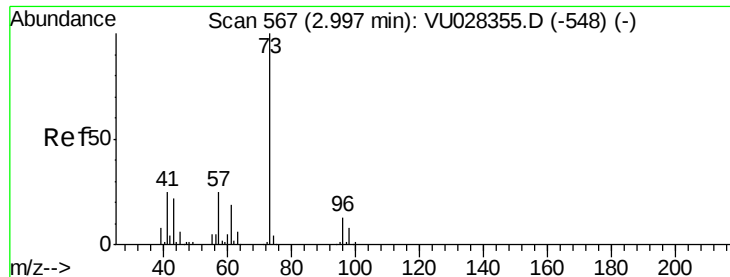
MMDadoda
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#18
Methyl Acetate
Concen: 53.323 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.3	22.9





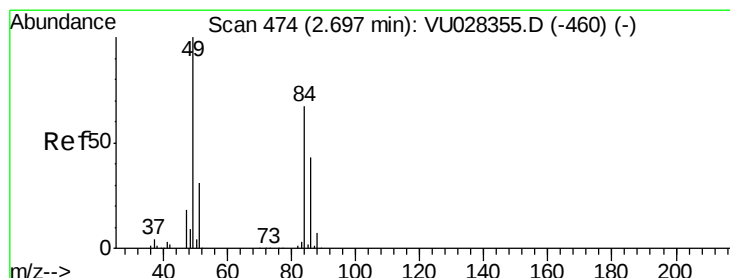
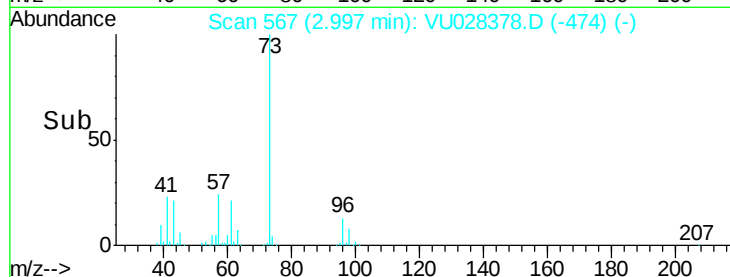
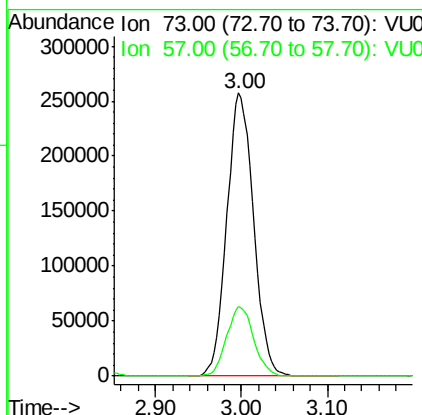
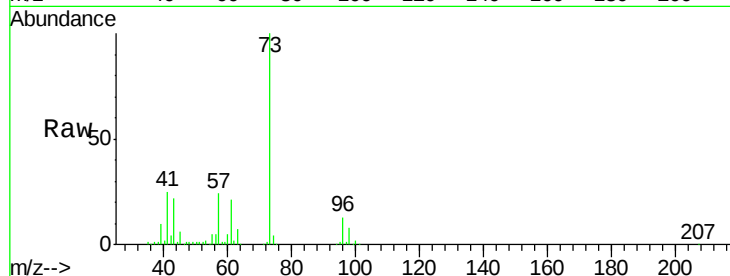
#19
Methvl tert-butvl Ether
Concen: 52.143 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 555337
Ion Ratio Lower Upper
73 100
57 24.4 20.1 30.1

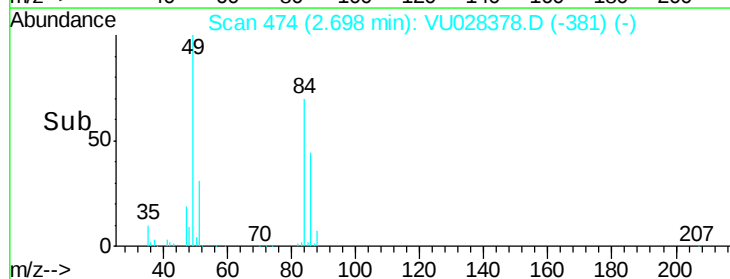
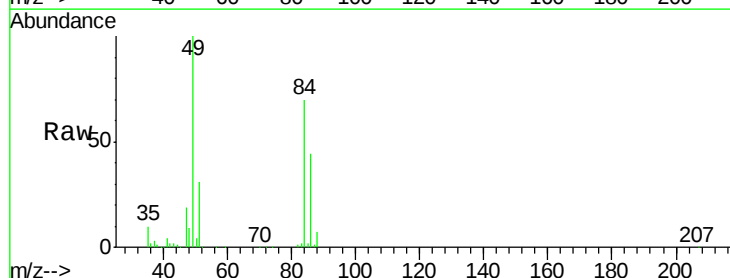
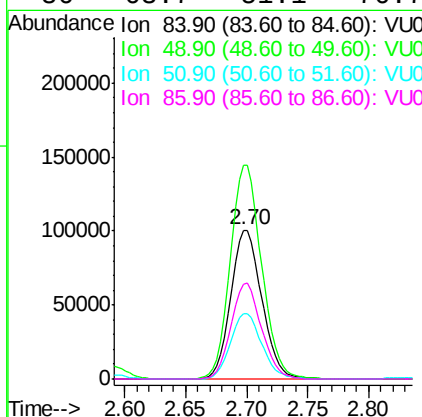
Manual Integrations
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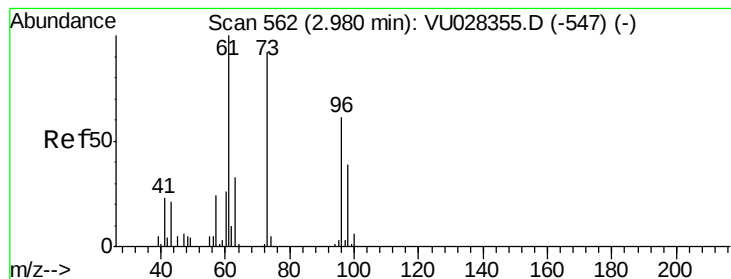
MMDadoda
11/29/2018 1:23:26 PM



#20
Methylene Chloride
Concen: 51.024 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion: 84 Resp: 178909
Ion Ratio Lower Upper
84 100
49 143.3 120.0 180.0
51 43.7 36.9 55.3
86 63.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.098 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 153947

Ion Ratio Lower Upper

96 100

61 161.3 131.1 196.7

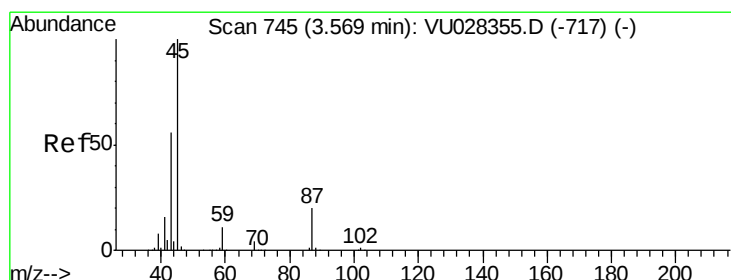
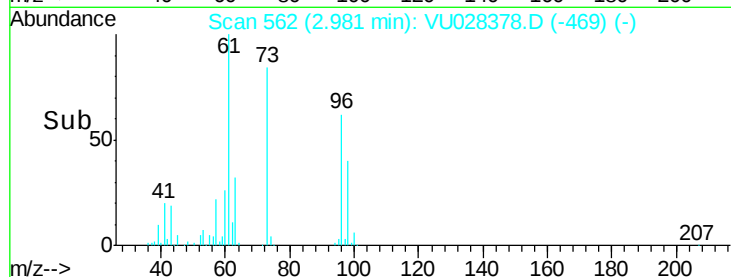
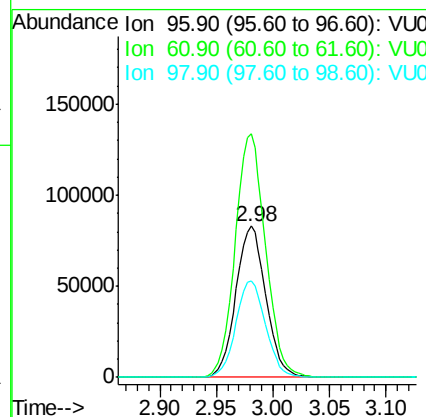
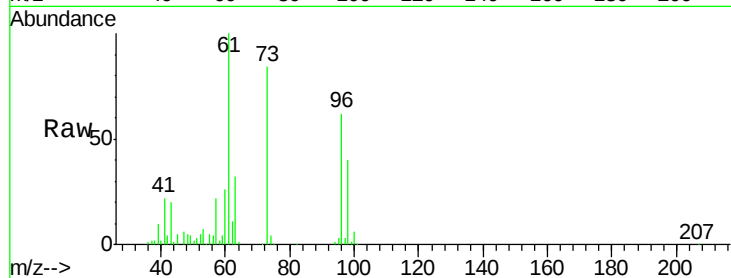
98 63.8 51.7 77.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.717 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion: 45 Resp: 704430

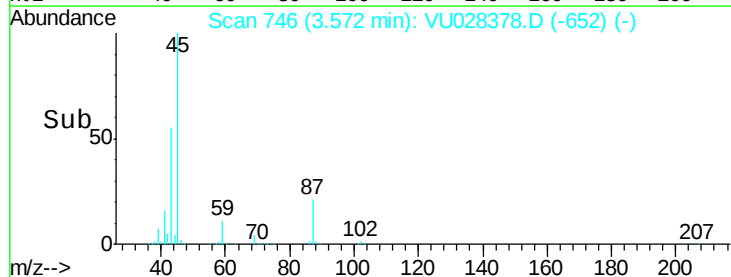
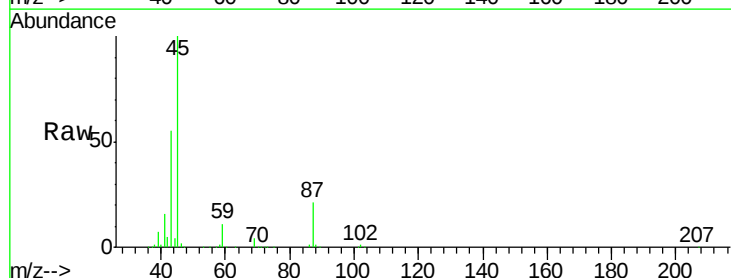
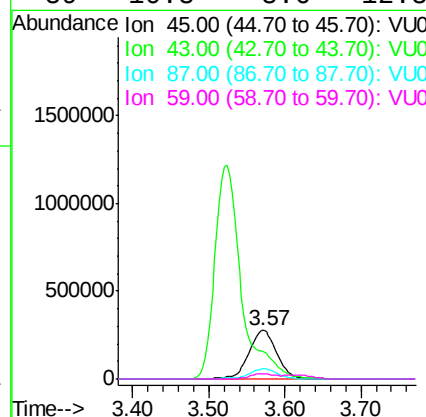
Ion Ratio Lower Upper

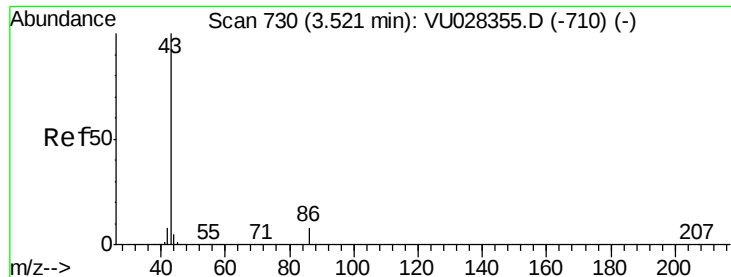
45 100

43 54.8 44.8 67.2

87 21.0 16.3 24.5

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 265.333 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2947097

Ion Ratio Lower Upper

43 100

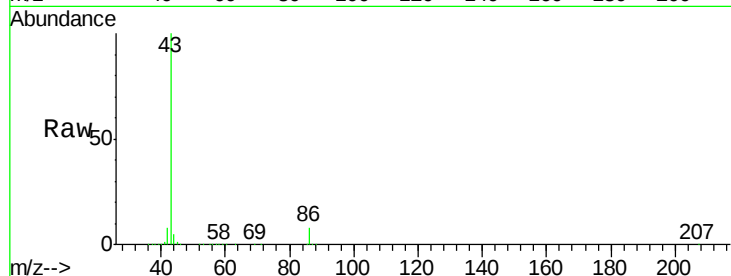
86 7.9 6.5 9.7

Manual Integrations

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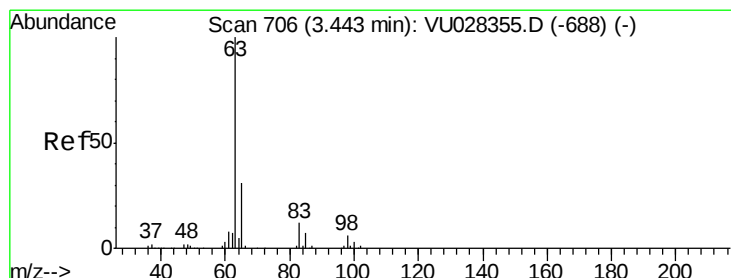
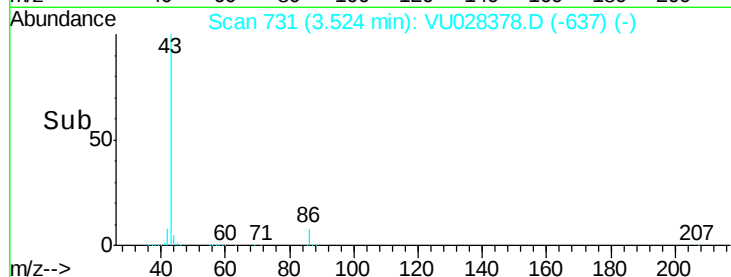
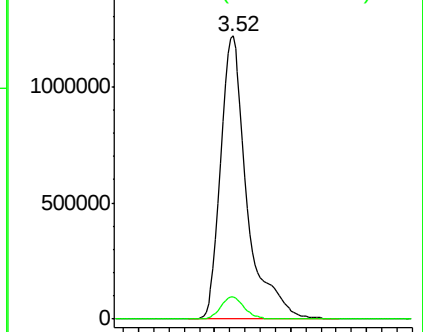
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 53.116 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

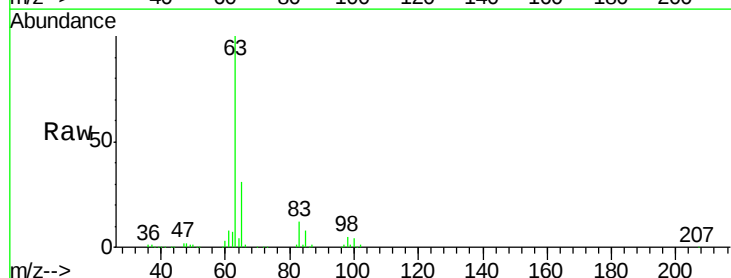
Tgt Ion: 63 Resp: 349940

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

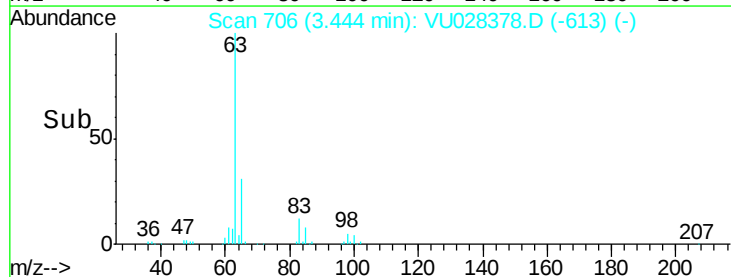
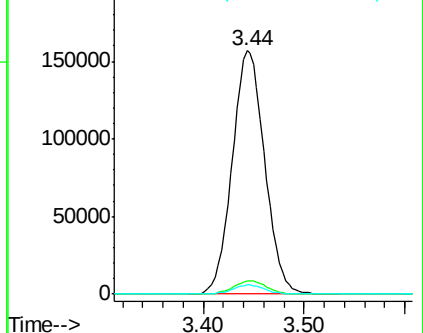
100 3.6 1.7 5.1

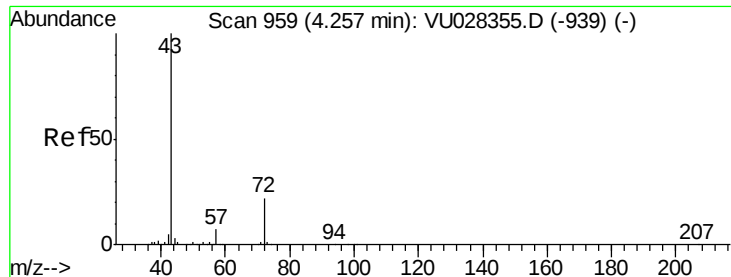


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 255.920 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 911810

Ion Ratio Lower Upper

43 100

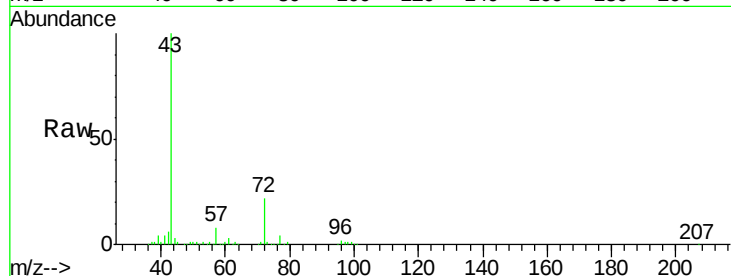
72 21.7 17.7 26.5

Manual Integrations

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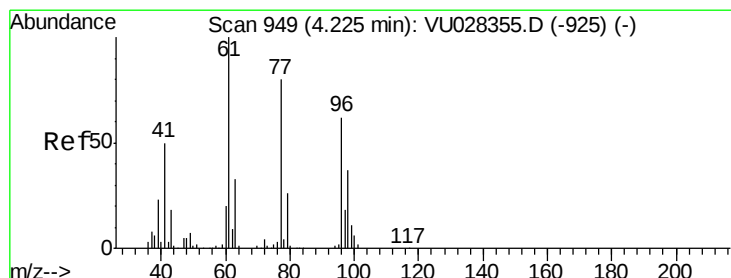
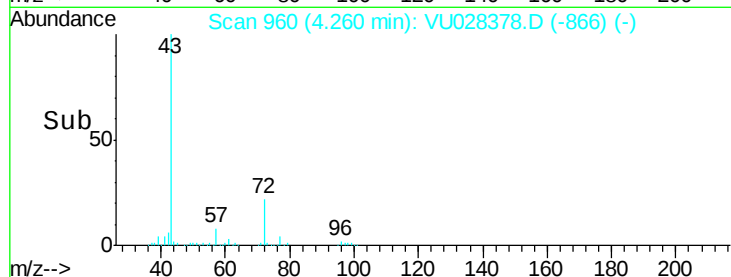
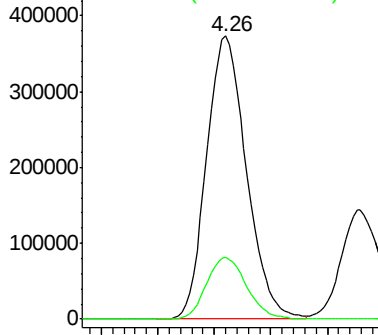
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.503 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028378.D

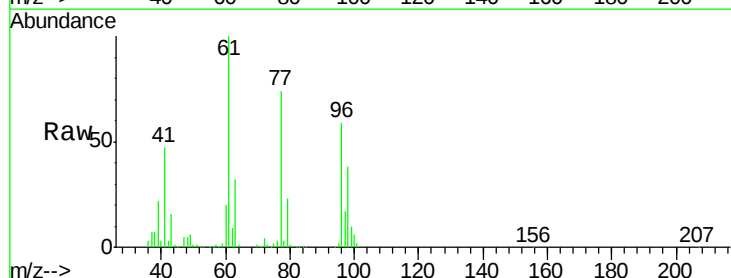
Acq: 28 Nov 2018 20:09

Tgt Ion: 77 Resp: 248547

Ion Ratio Lower Upper

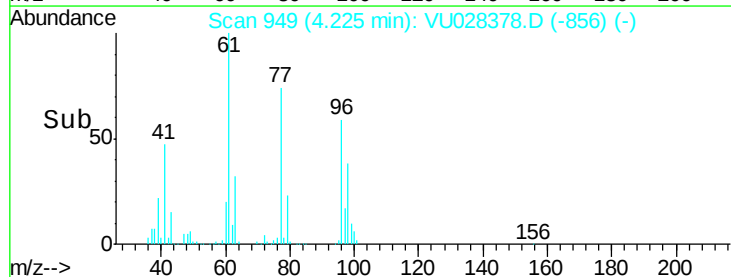
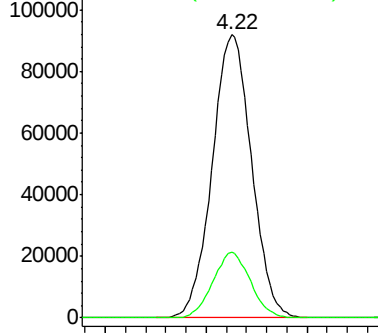
77 100

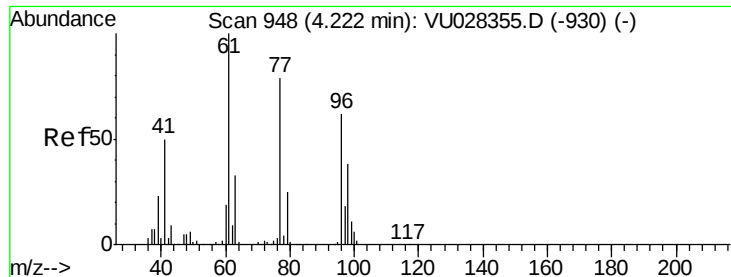
97 22.1 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

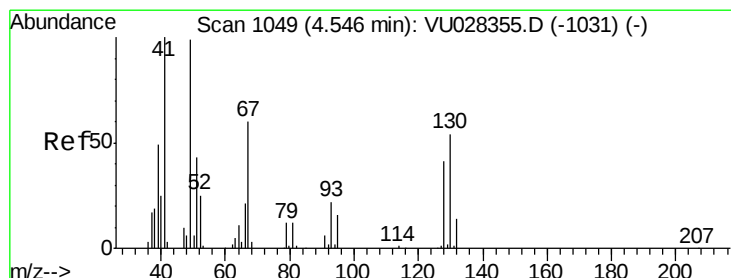
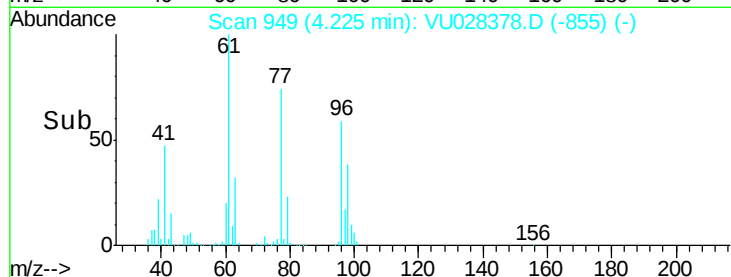
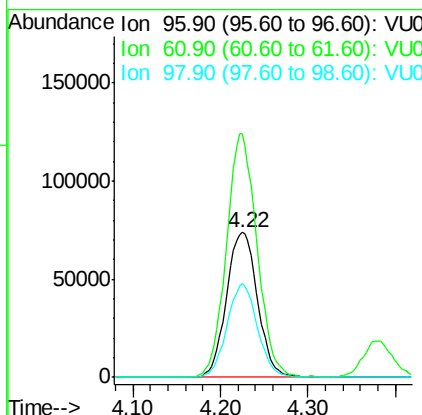
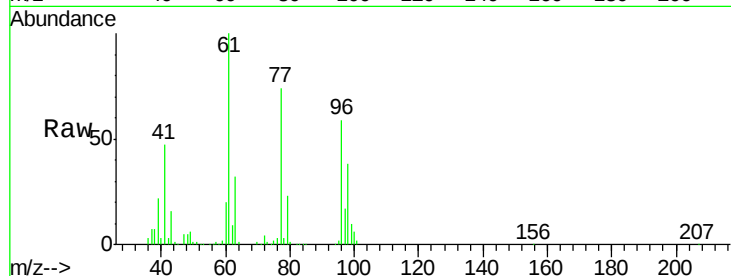
cis-1,2-Dichloroethene
Concen: 51.058 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181922		
61	164.8	0.0	342.0	
98	62.9	0.0	126.4	

Manual Integrations
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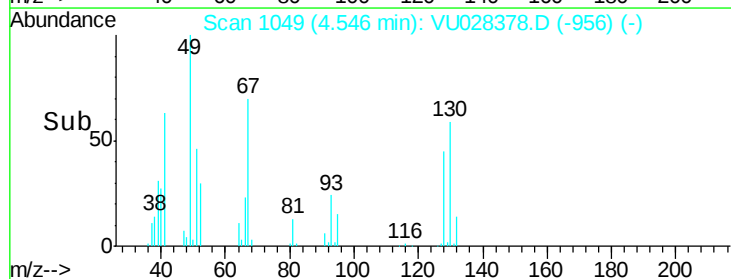
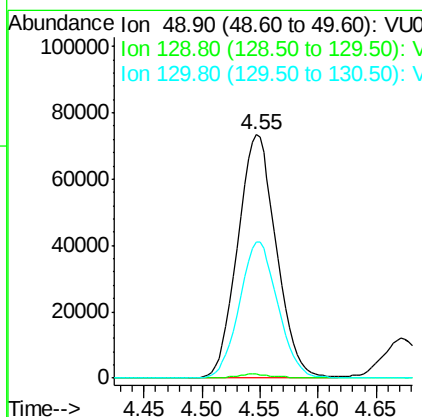
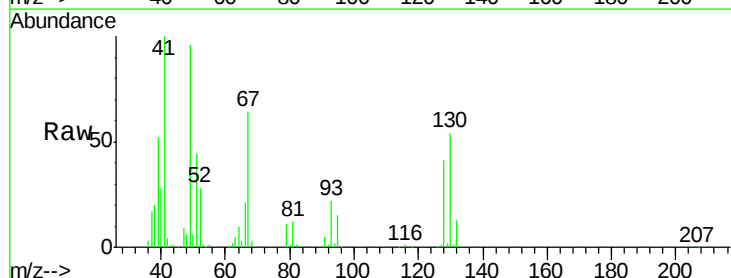
MMDadoda
11/29/2018 1:23:26 PM

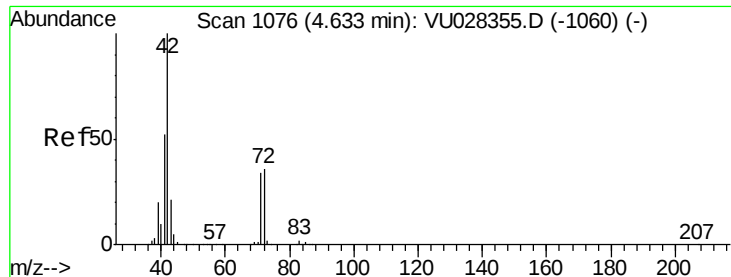


#28

Bromochloromethane
Concen: 51.618 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170042		
129	1.5	0.0	2.6	
130	55.6	44.5	66.7	





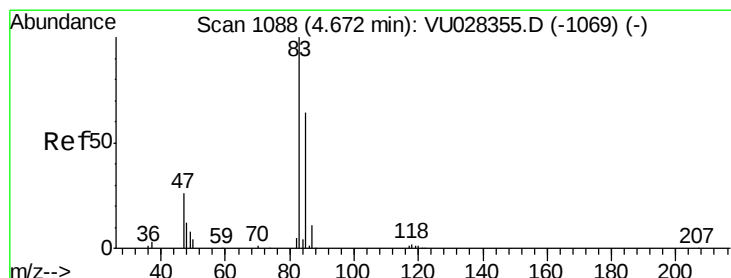
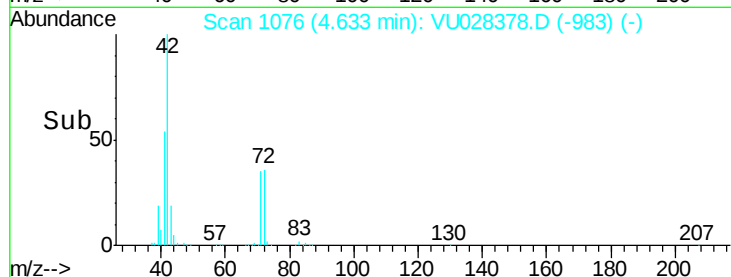
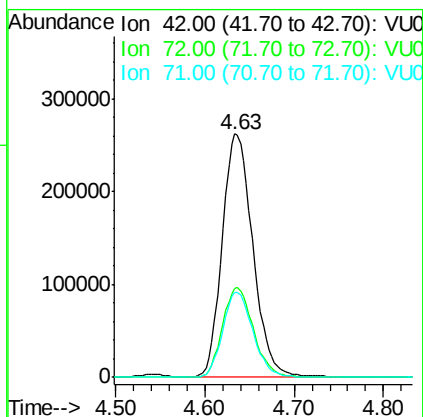
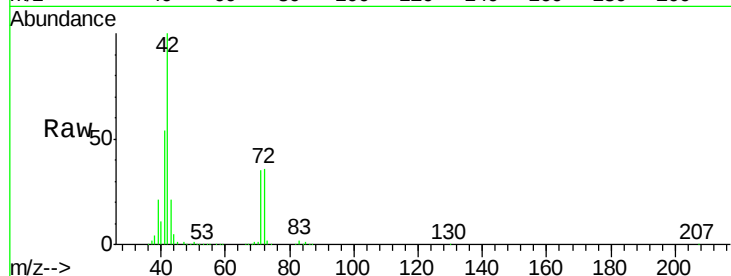
#29
Tetrahydrofuran
Concen: 269.438 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.5	44.3
71	34.8	27.7	41.5

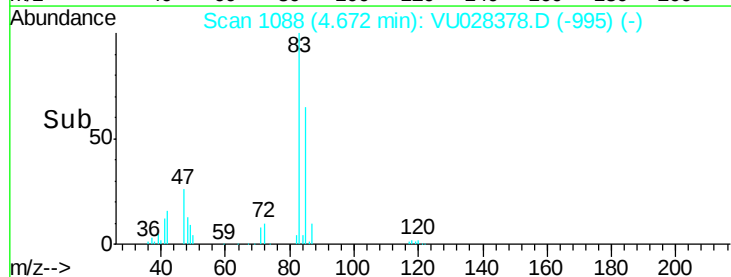
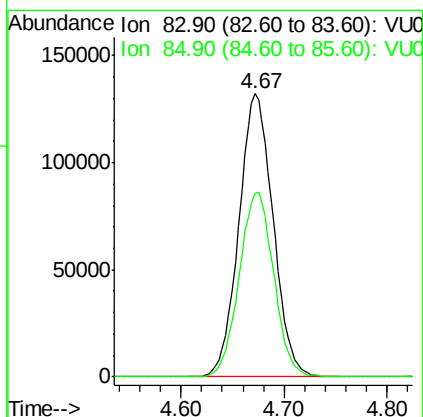
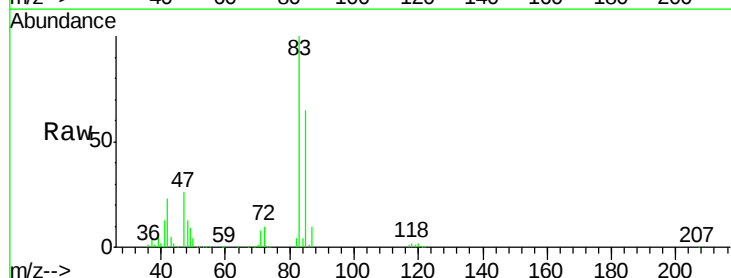
Manual Integrations
APPROVED

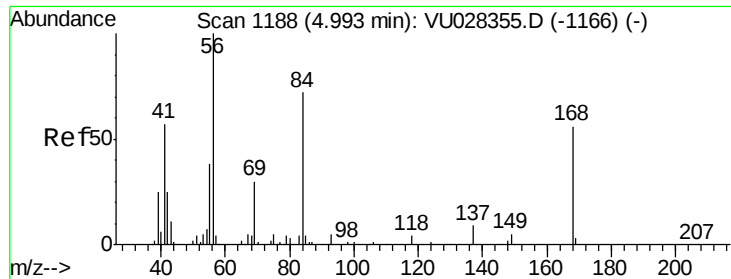
MMDadoda
11/29/2018 1:23:26 PM



#30
Chloroform
Concen: 50.104 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8





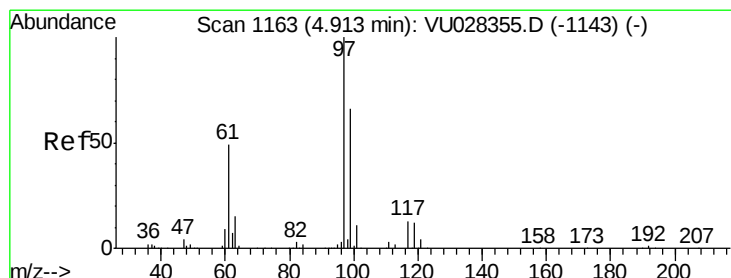
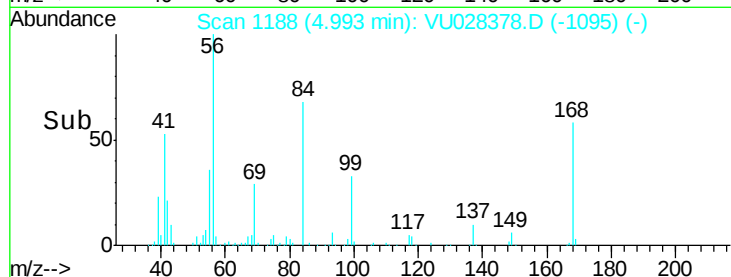
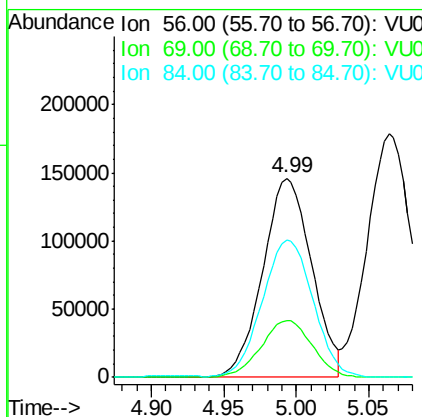
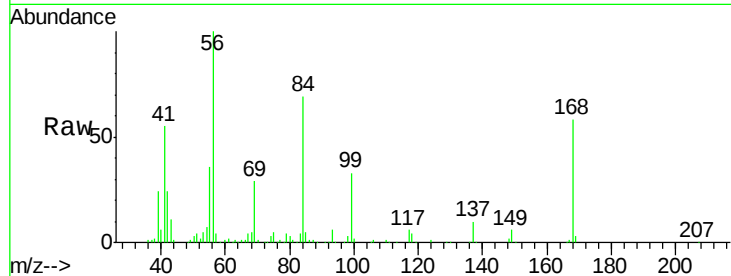
#31
Cyclohexane
Concen: 50.736 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.7	35.5
84	68.3	57.3	85.9

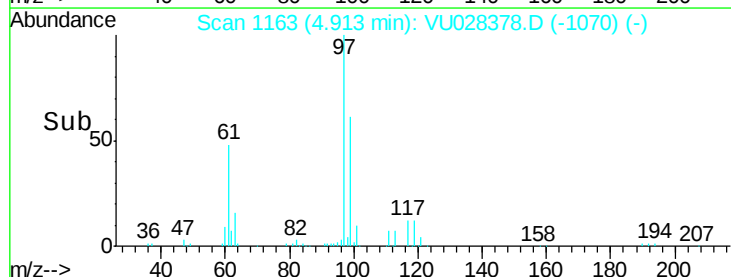
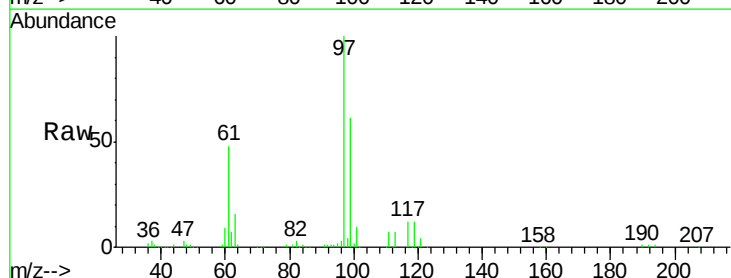
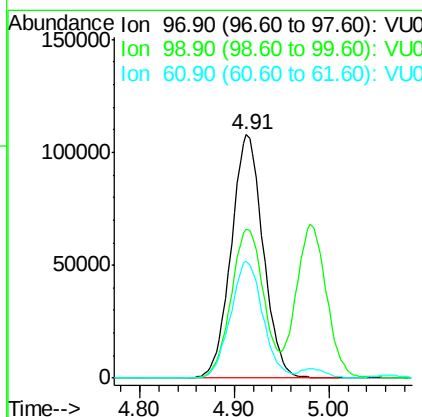
Manual Integrations
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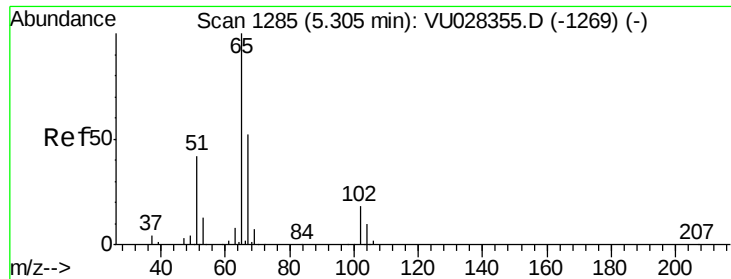
MMDadoda
11/29/2018 1:23:26 PM



#32
1,1,1-Trichloroethane
Concen: 51.746 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.8	76.2
61	48.7	39.1	58.7





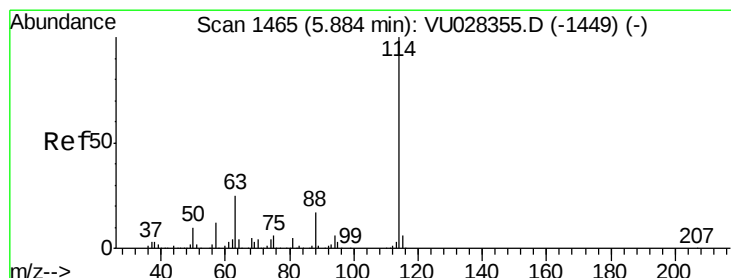
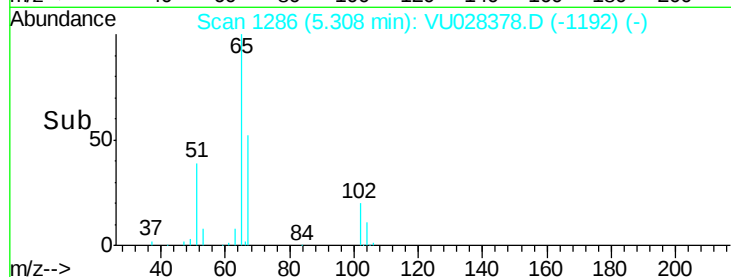
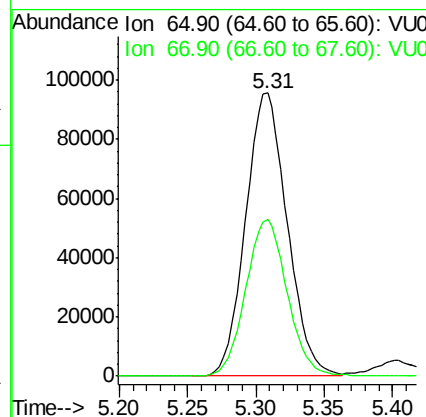
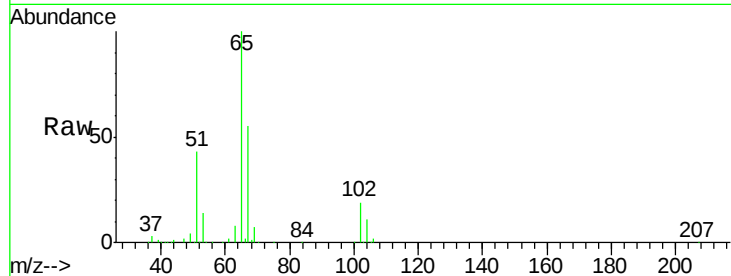
#33
 1,2-Dichloroethane-d4
 Concen: 49.776 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202286		
67	55.1	0.0	106.8	

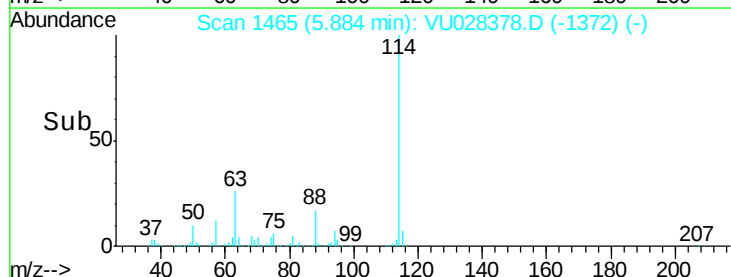
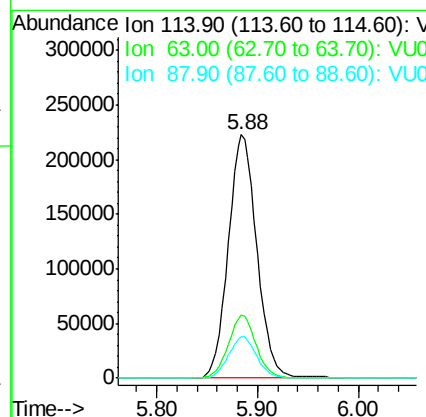
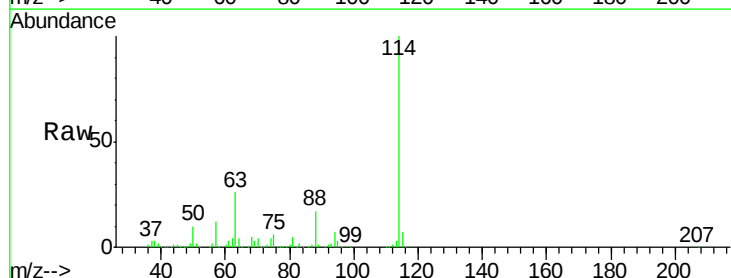
Manual Integrations
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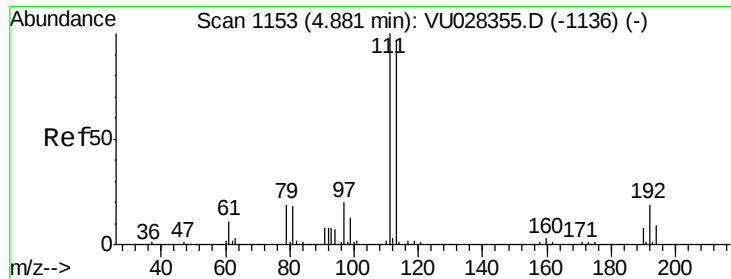
MMDadoda
 11/29/2018 1:23:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439373		
63	25.8	0.0	50.0	
88	17.2	0.0	34.4	





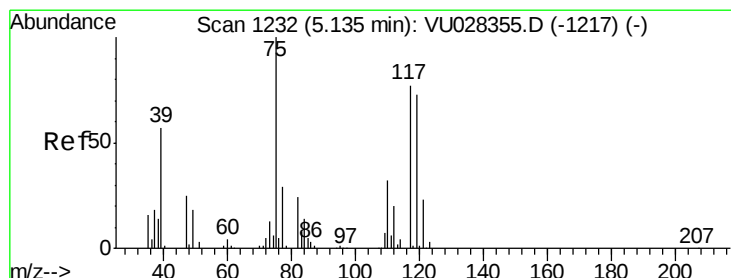
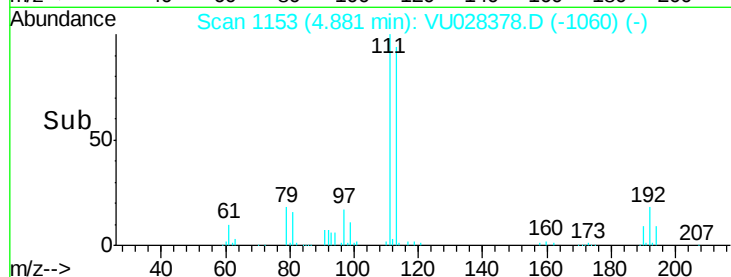
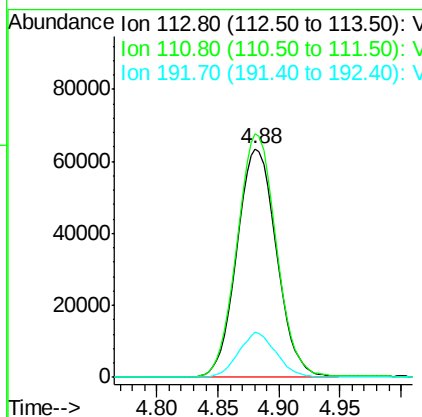
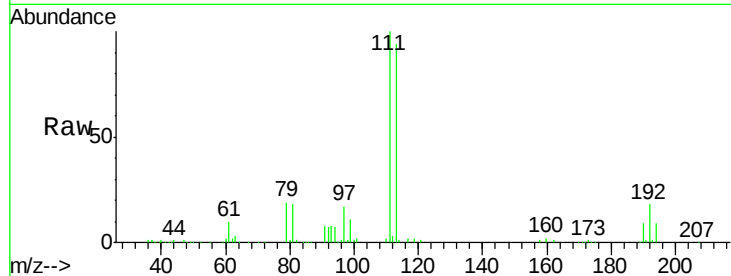
#35
Dibromofluoromethane
Concen: 48.928 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142950		
111	105.8	82.9	124.3	
192	18.5	15.4	23.0	

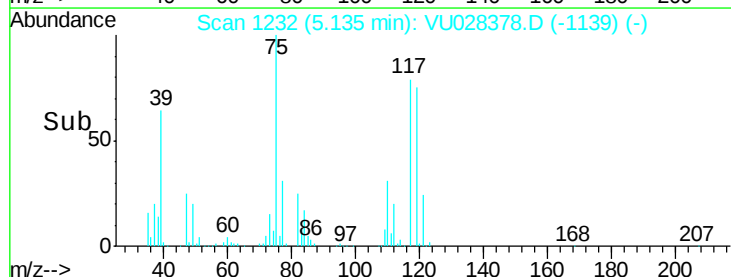
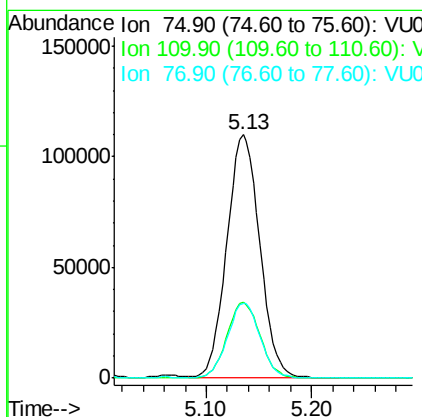
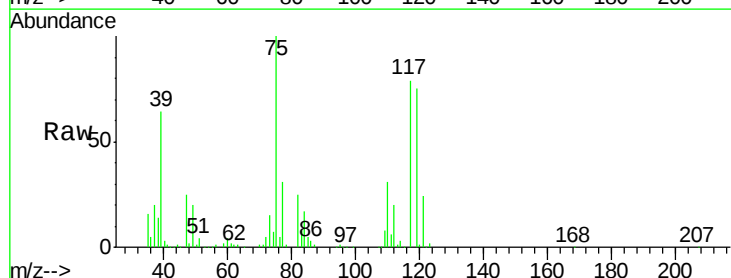
Manual Integrations
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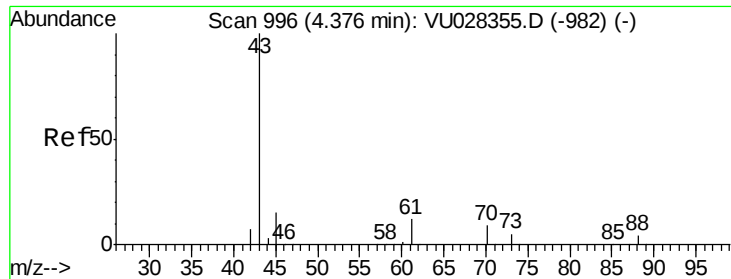
MMDadoda
11/29/2018 1:23:26 PM



#36
1,1-Dichloropropene
Concen: 49.302 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237045		
110	31.4	15.8	47.4	
77	30.3	24.6	36.8	





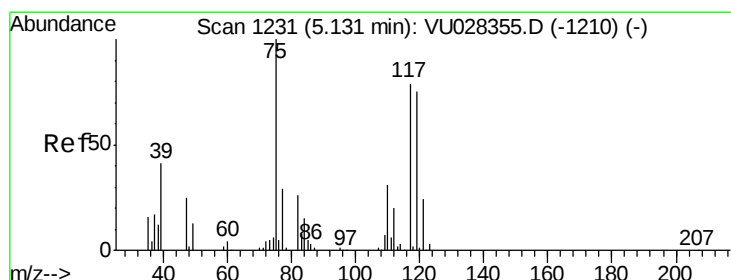
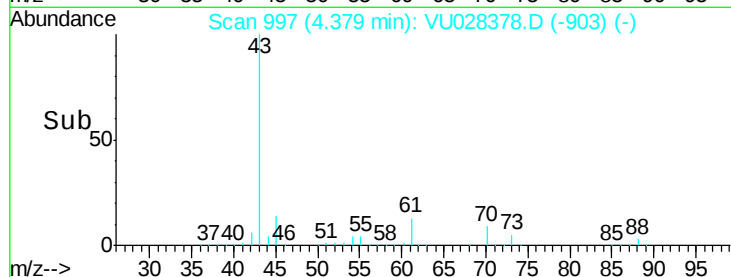
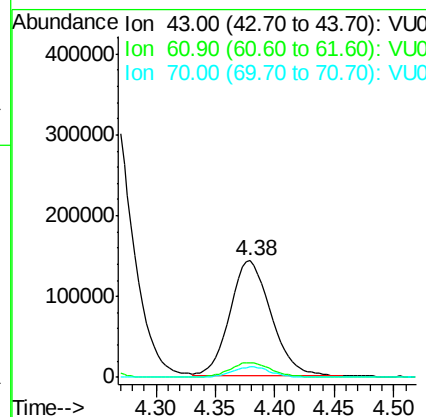
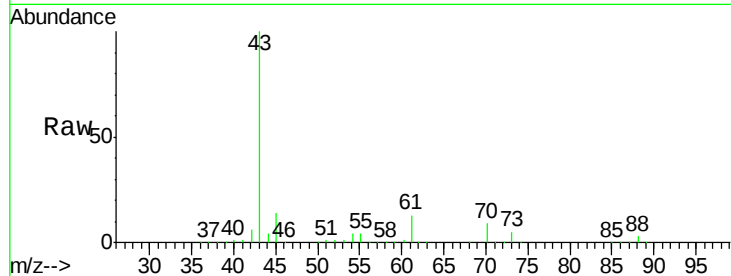
#37
Ethyl Acetate
Concen: 52.550 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	8.7	6.9	10.3

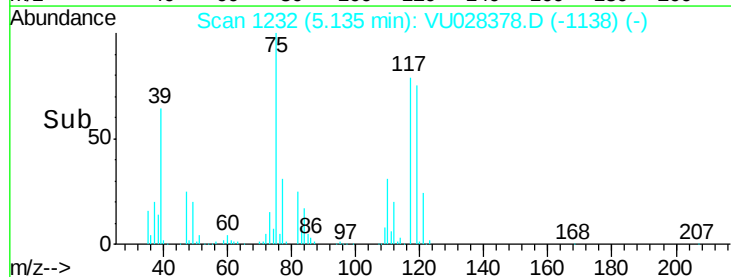
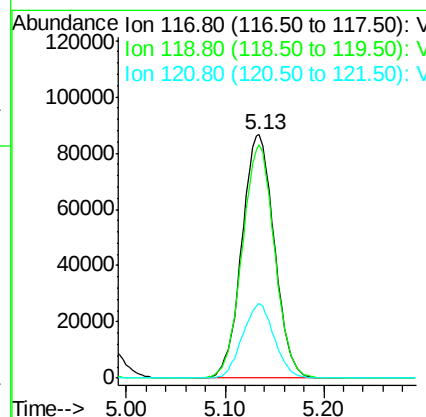
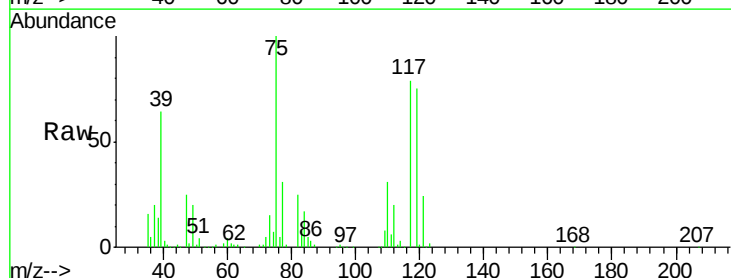
Manual Integrations
APPROVED

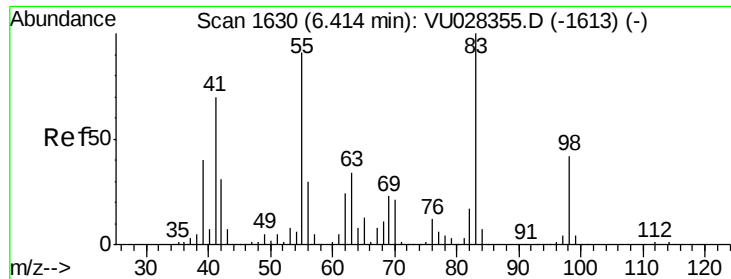
MMDadoda
11/29/2018 1:23:26 PM



#38
Carbon Tetrachloride
Concen: 49.826 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	30.5	24.7	37.1





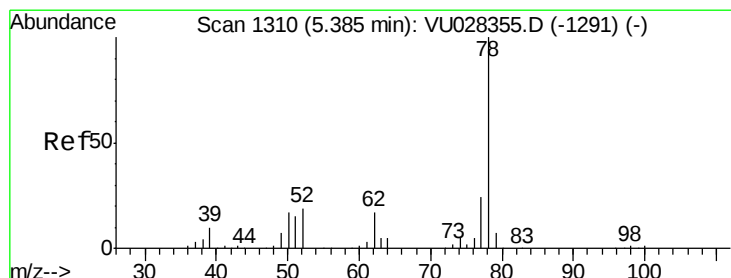
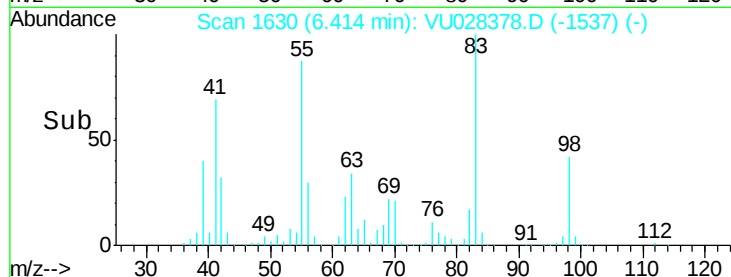
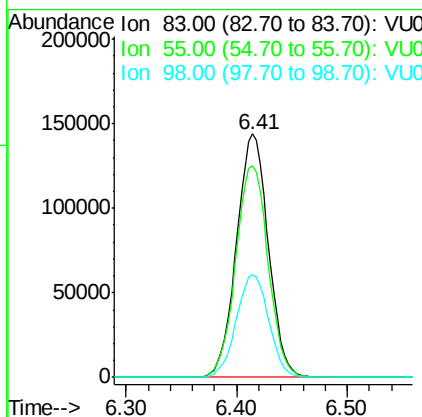
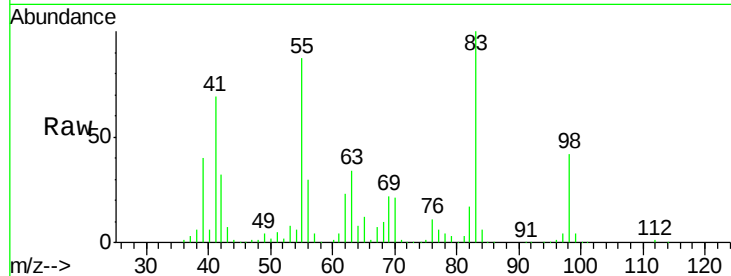
#39
Methvlcvclohexane
Concen: 50.698 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	73.1	109.7
98	42.1	33.9	50.9

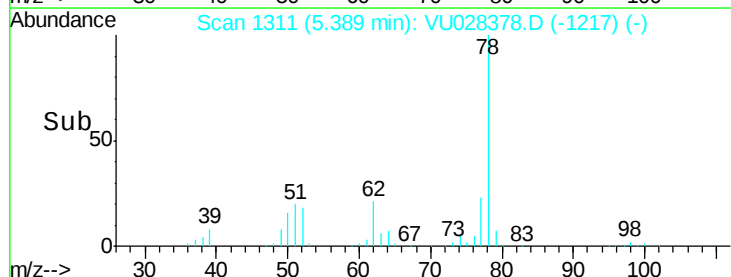
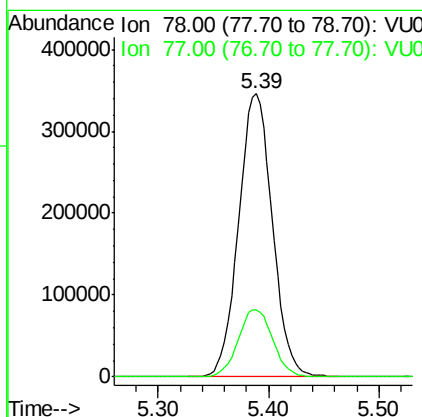
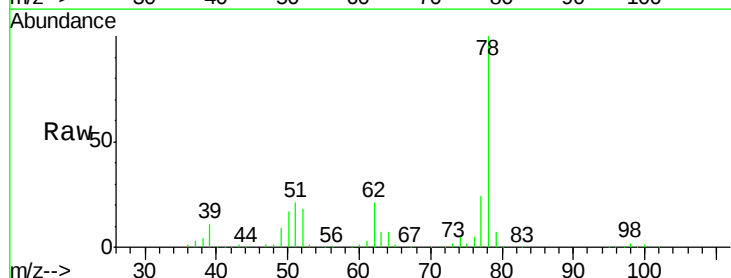
Manual Integrations
APPROVED

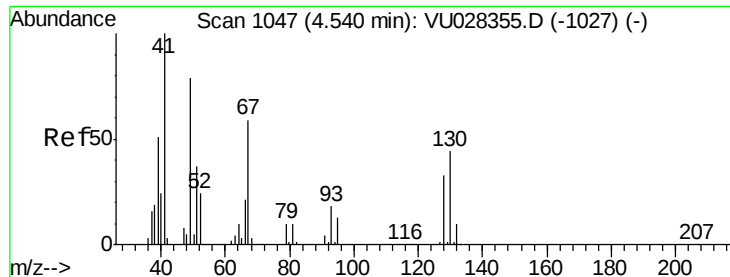
MMDadoda
11/29/2018 1:23:26 PM



#40
Benzene
Concen: 51.447 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





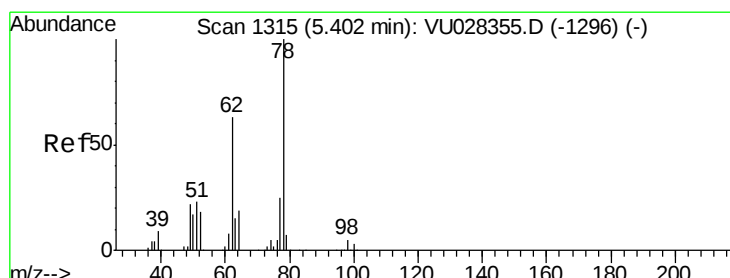
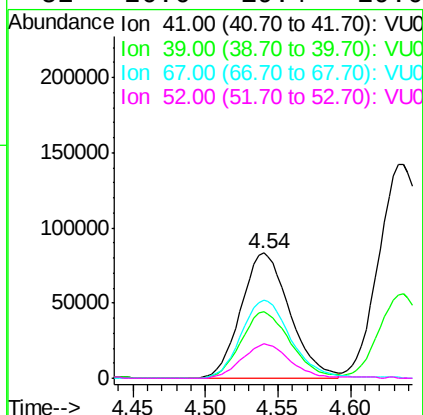
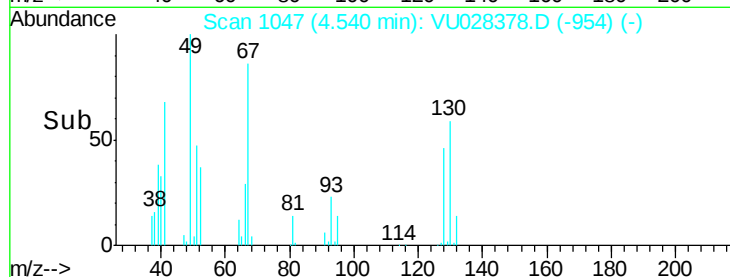
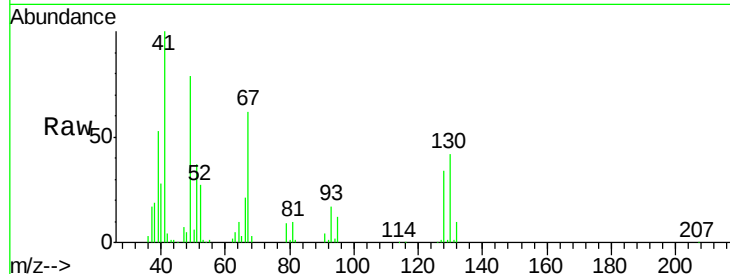
#41
Methacrylonitrile
Concen: 53.321 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	41.3	61.9	
67	64.0	48.6	73.0	
52	26.6	19.4	29.0	

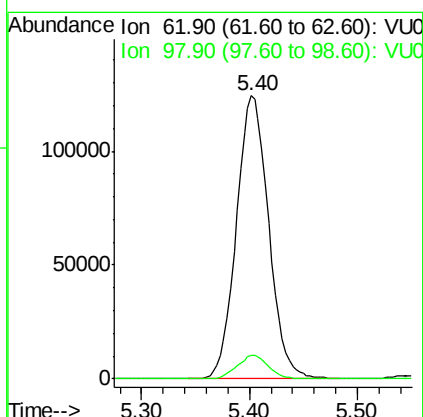
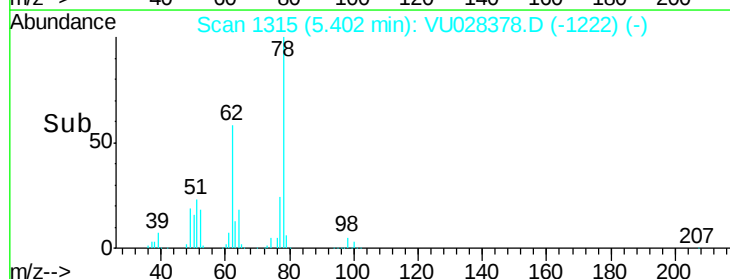
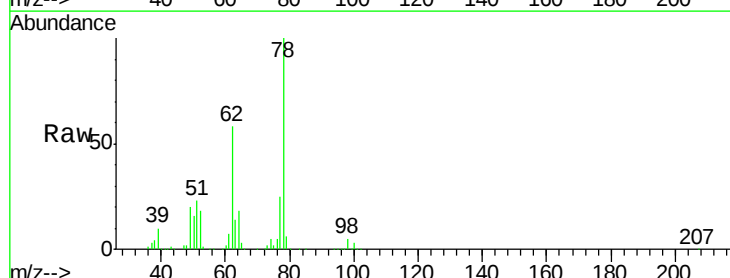
Manual Integrations
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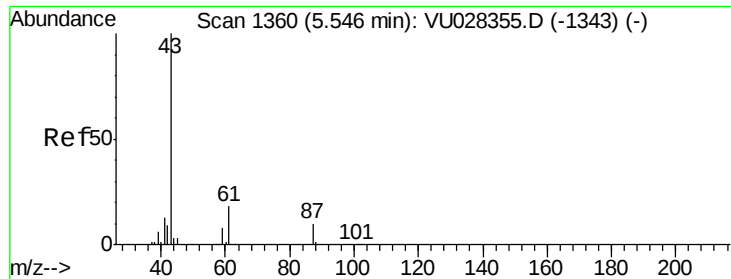
MMDadoda
11/29/2018 1:23:26 PM



#42
1,2-Dichloroethane
Concen: 50.577 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.4	





#43

Isopropyl Acetate

Concen: 53.238 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

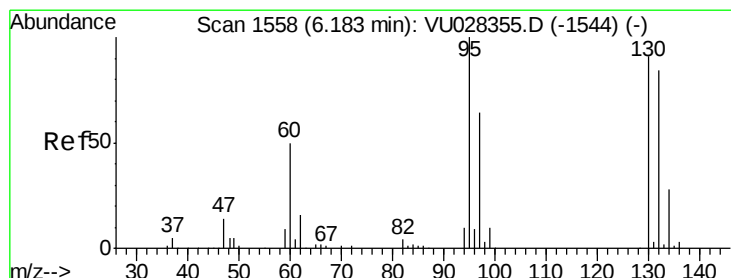
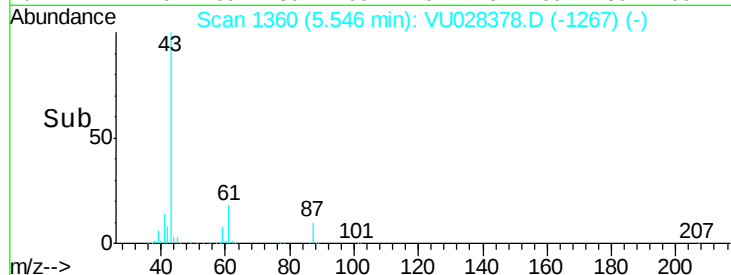
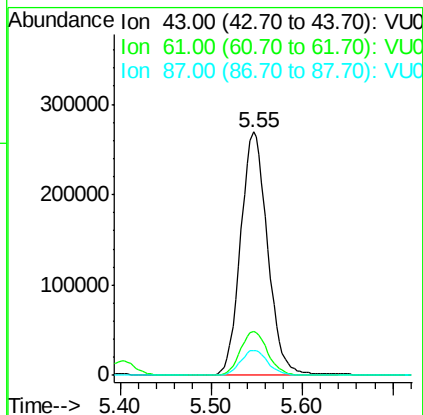
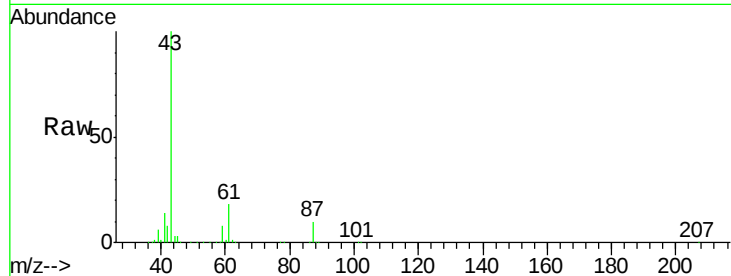
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	552764
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.5	21.7
87	10.5	8.4	12.6

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11/29/2018 1:23:26 PM



#44

Trichloroethene

Concen: 50.883 ug/l

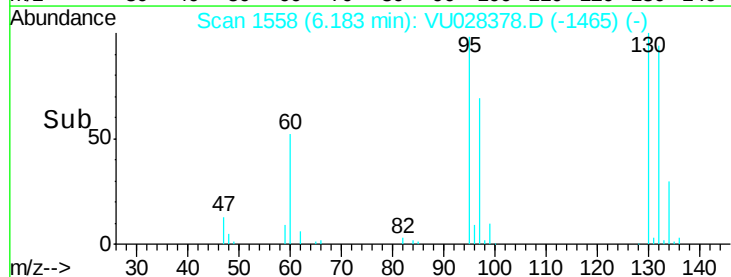
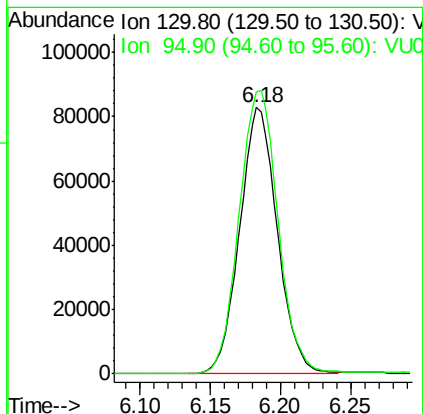
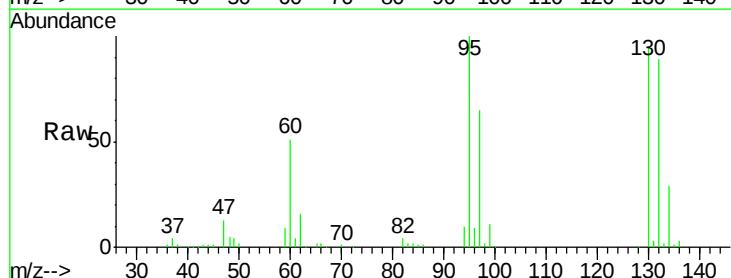
RT: 6.18 min Scan# 1558

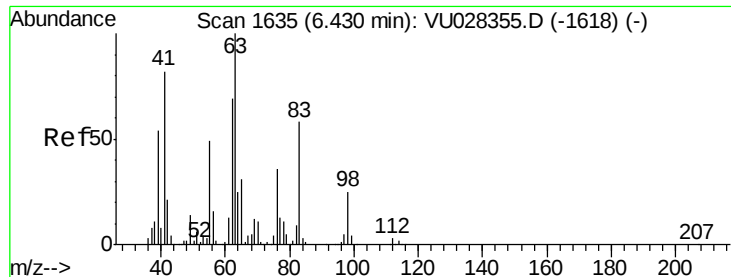
Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion:	130	Resp:	155314
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	219.8





#45

1,2-Dichloropropane

Concen: 50.873 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 212148

Ion Ratio Lower Upper

63 100

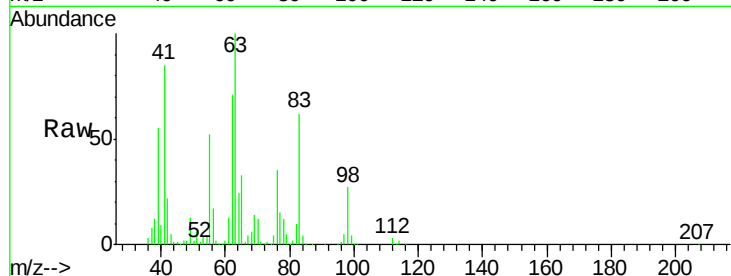
65 32.6 25.1 37.7

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

120000

100000

80000

60000

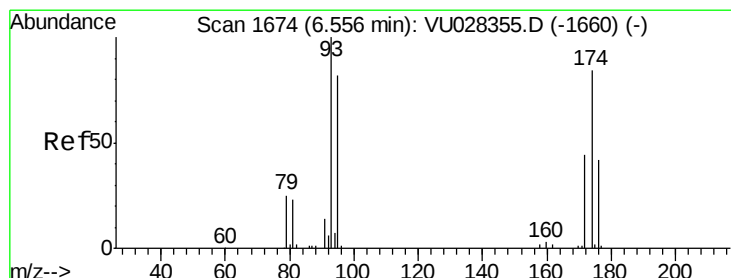
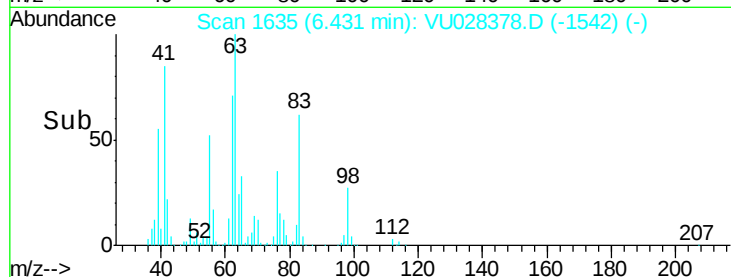
40000

20000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 50.445 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

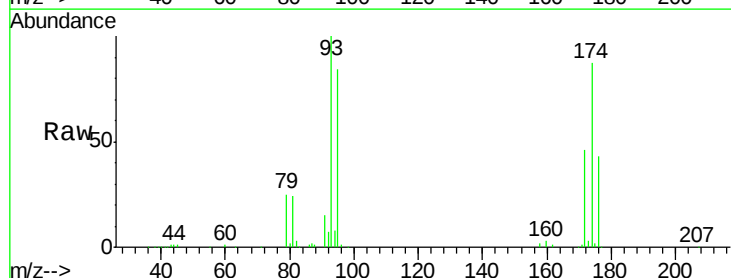
Tgt Ion: 93 Resp: 120831

Ion Ratio Lower Upper

93 100

95 83.6 65.1 97.7

174 87.9 69.9 104.9



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

80000

60000

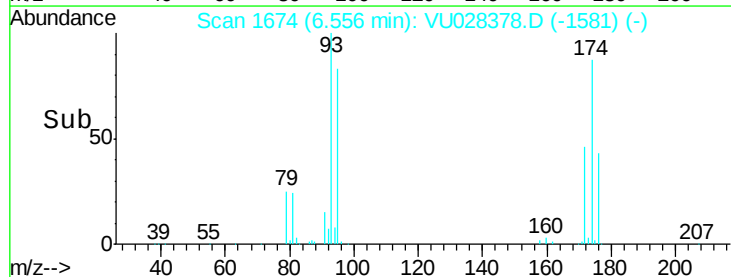
40000

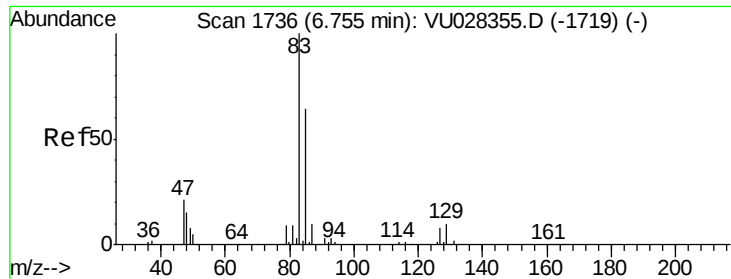
20000

0

6.50 6.55 6.60 6.65

Time-->





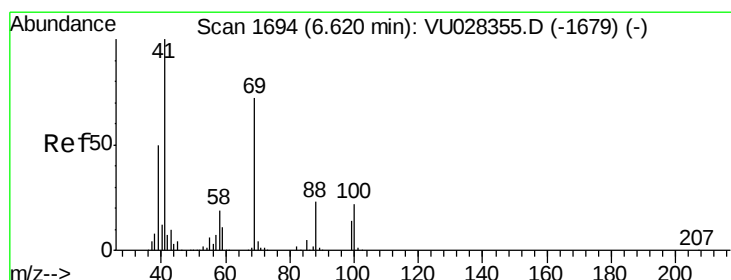
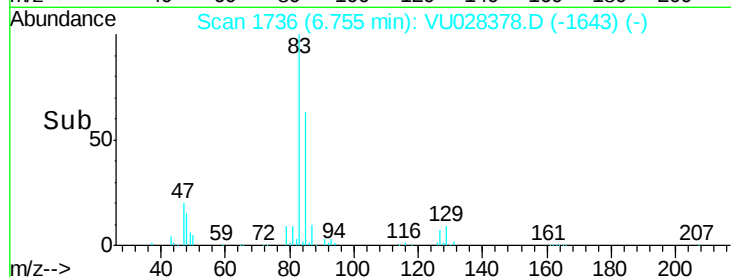
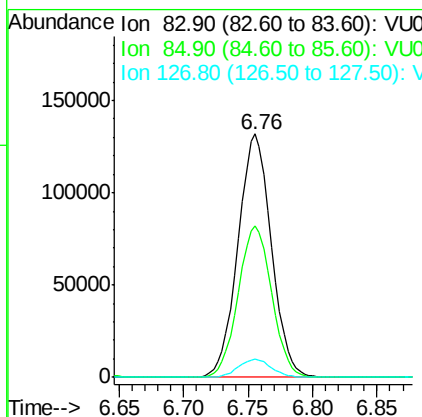
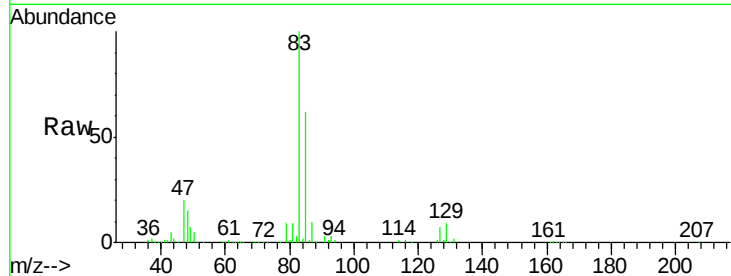
#47
Bromodichloromethane
Concen: 49.920 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.1	50.9	76.3	
127	7.3	6.2	9.4	

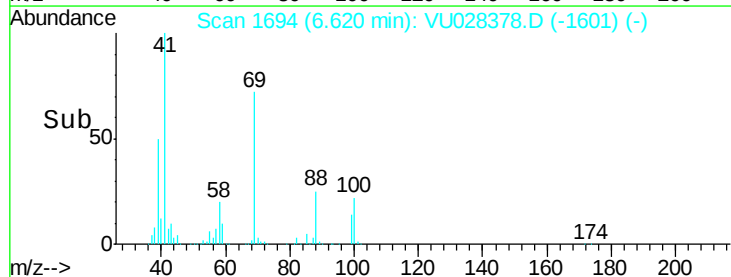
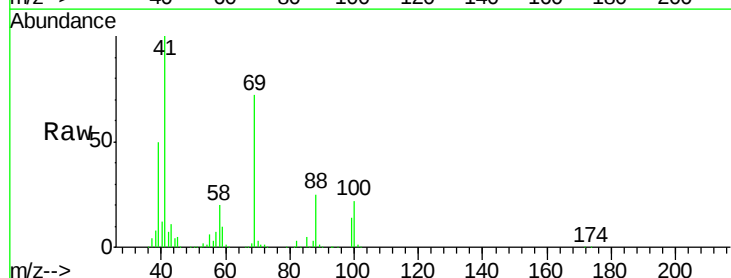
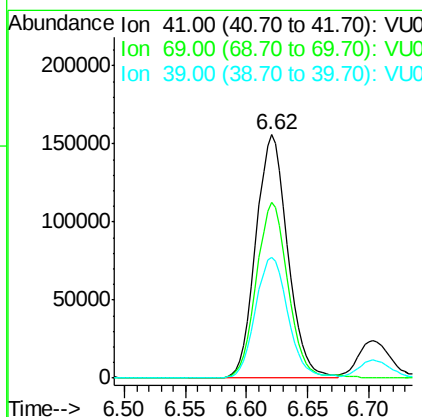
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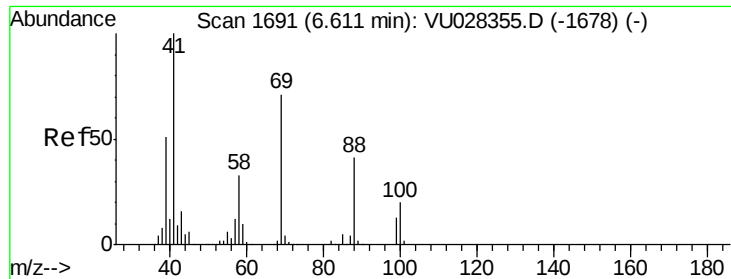
MMDadoda
11/29/2018 1:23:26 PM



#48
Methyl methacrylate
Concen: 51.816 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	71.6	59.0	88.4	
39	50.8	40.5	60.7	





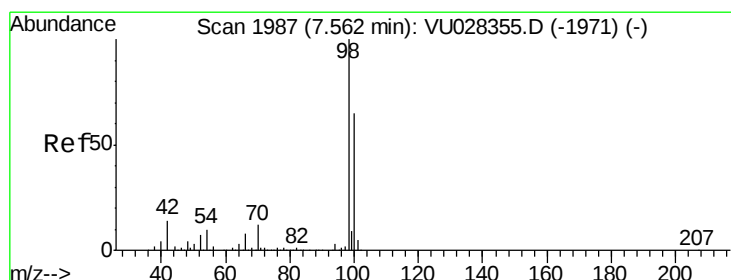
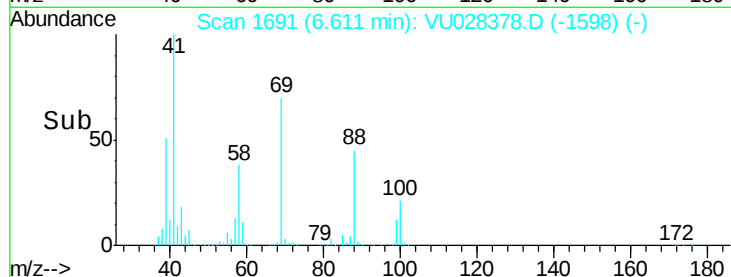
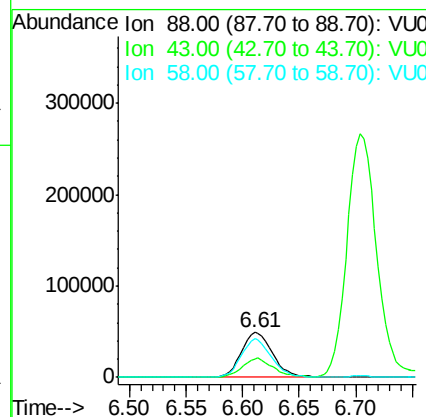
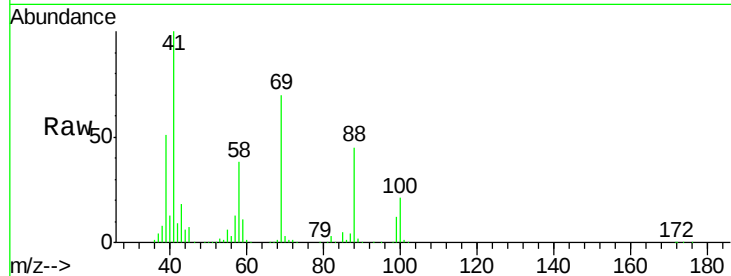
#49
1,4-Dioxane
Concen: 1079.106 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.6	48.8
58	83.8	68.7	103.1

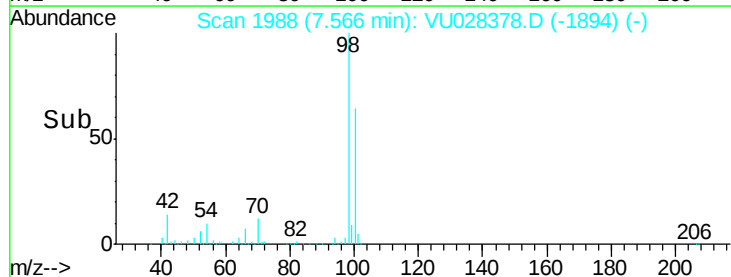
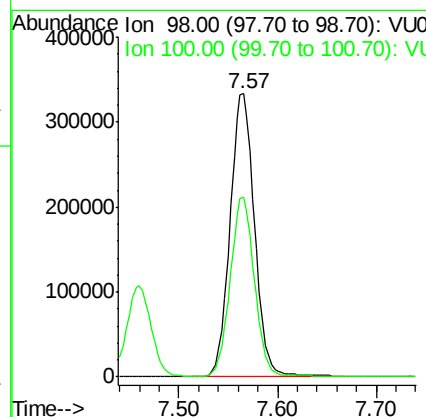
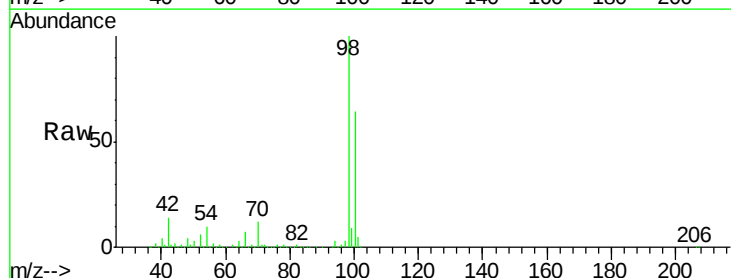
Manual Integrations
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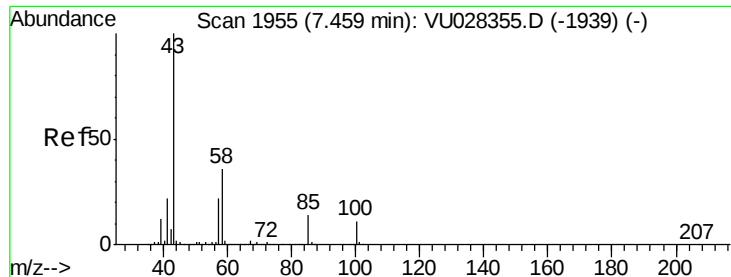
MMDadoda
11/29/2018 1:23:26 PM



#50
Toluene-d8
Concen: 49.688 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 263.956 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1750411

Ion Ratio Lower Upper

43 100

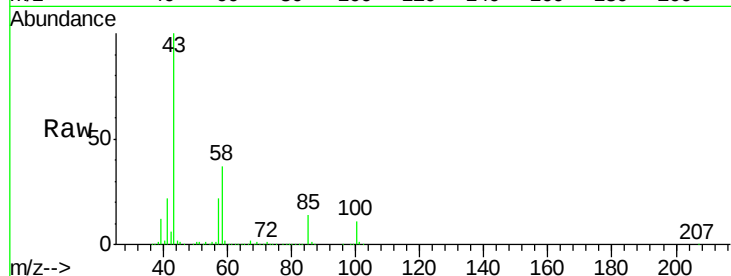
58 36.4 28.8 43.2

Manual Integrations

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MMDadoda

11/29/2018 1:23:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

1000000

800000

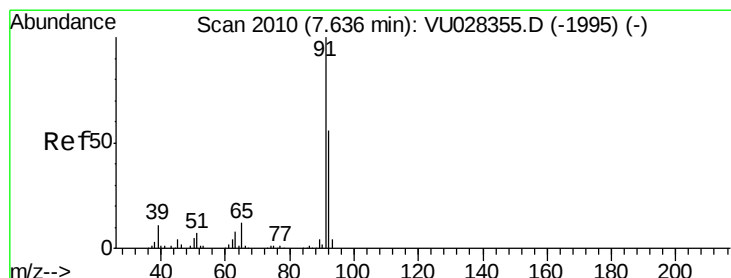
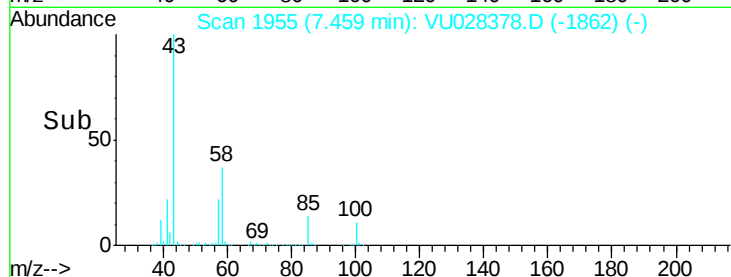
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.019 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028378.D

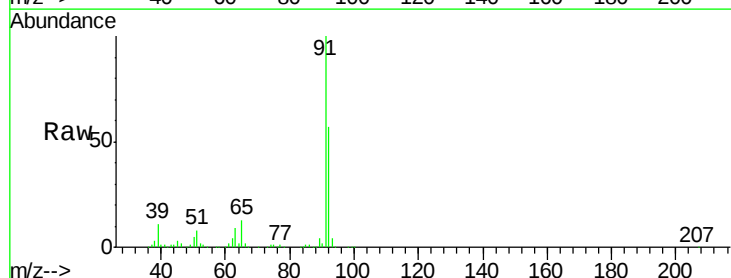
Acq: 28 Nov 2018 20:09

Tgt Ion: 92 Resp: 426564

Ion Ratio Lower Upper

92 100

91 176.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)

7.64

500000

400000

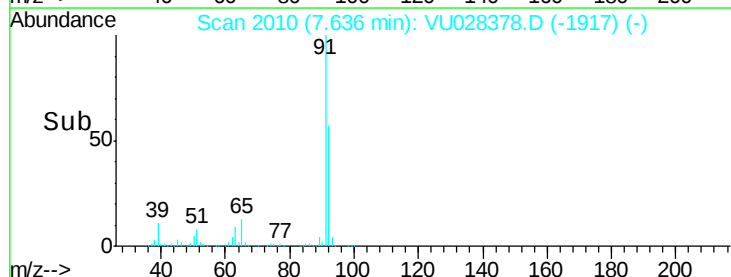
300000

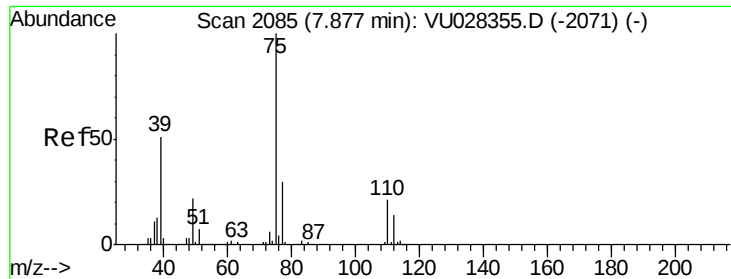
200000

100000

0

Time-->





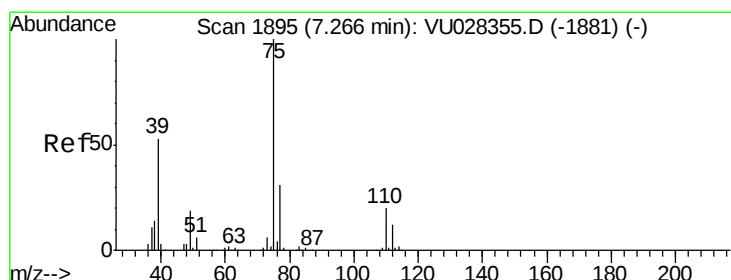
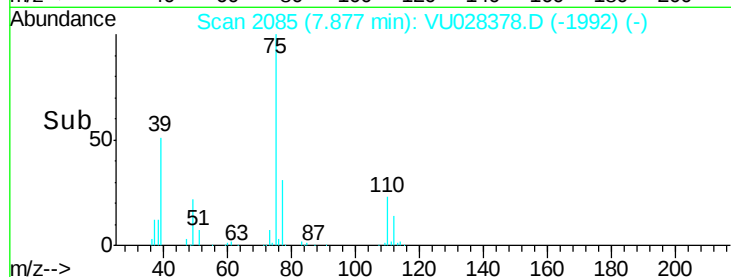
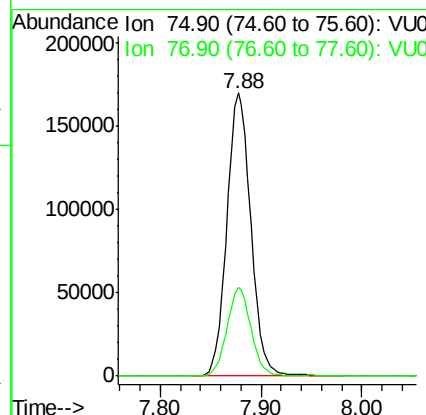
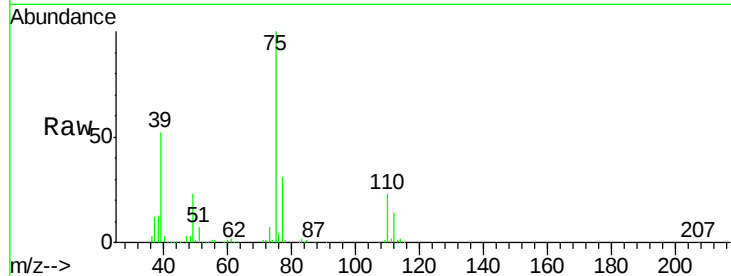
#53
t-1,3-Dichloropropene
Concen: 49.486 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 281926
Ion Ratio Lower Upper
75 100
77 31.3 24.1 36.1

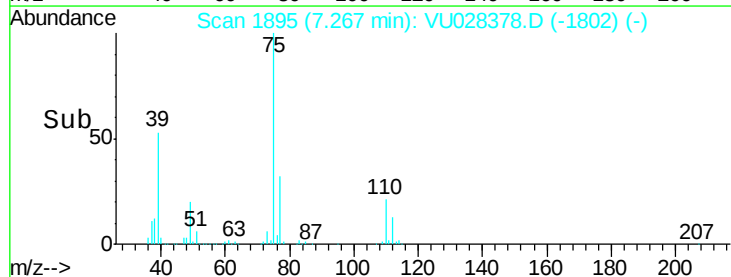
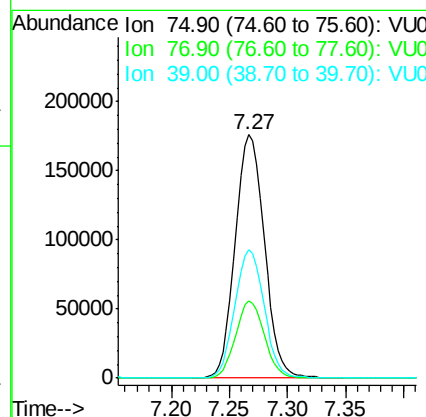
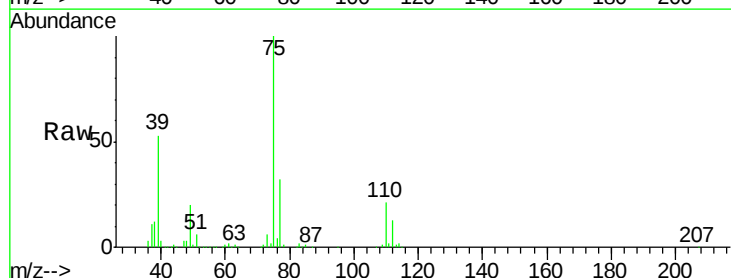
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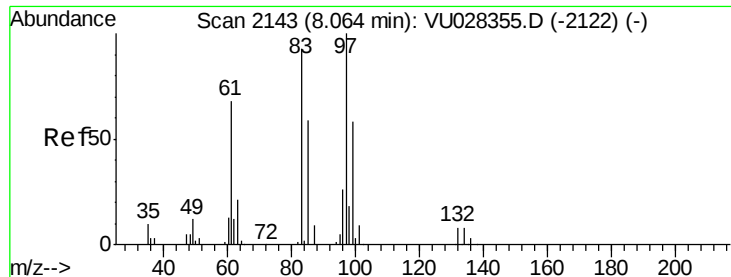
MMDadoda
11/29/2018 1:23:26 PM



#54
cis-1,3-Dichloropropene
Concen: 50.336 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion: 75 Resp: 307221
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3
39 52.6 42.6 64.0





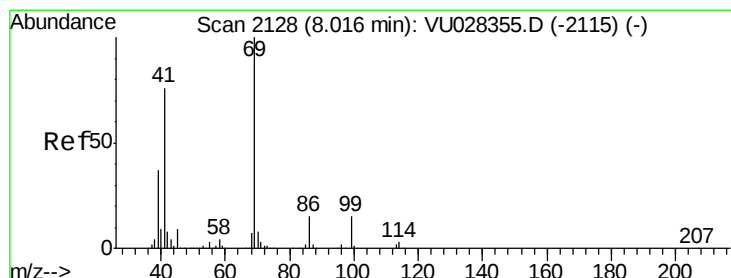
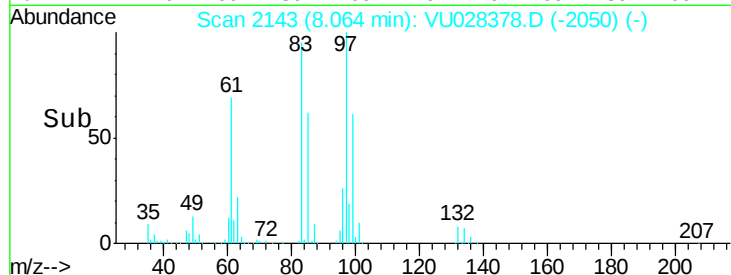
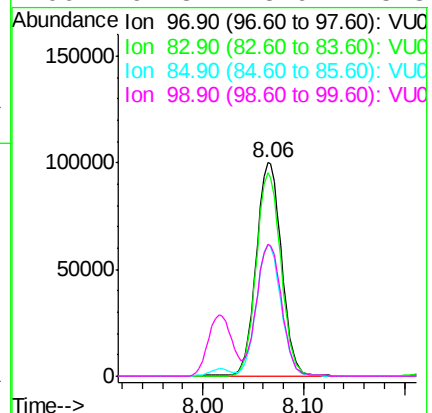
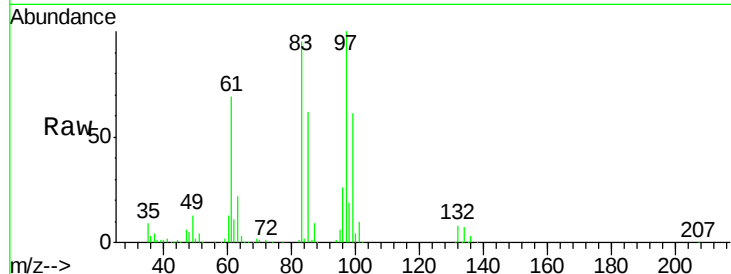
#55
 1,1,2-Trichloroethane
 Concen: 50.786 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	173322
Ion	Ratio	Lower	Upper
97	100		
83	95.4	74.3	111.5
85	61.5	47.2	70.8
99	61.3	48.9	73.3

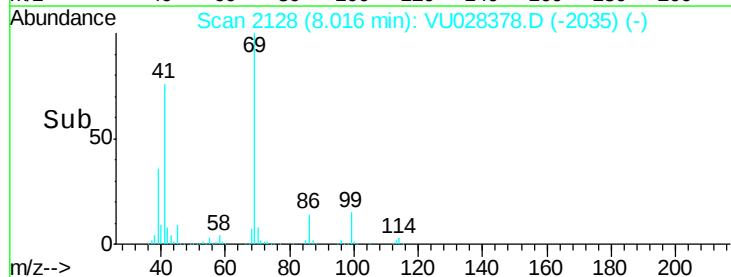
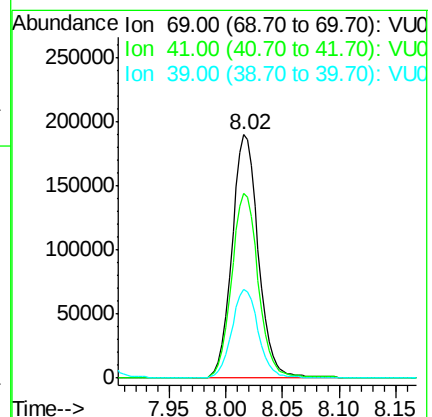
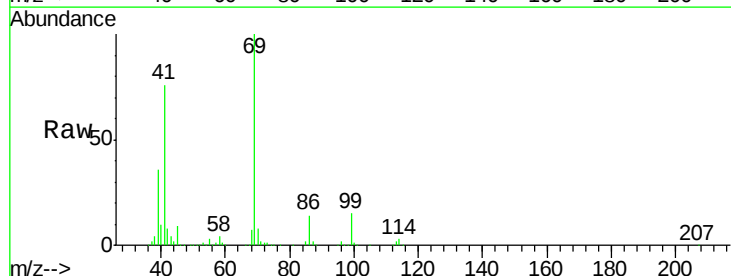
Manual Integrations
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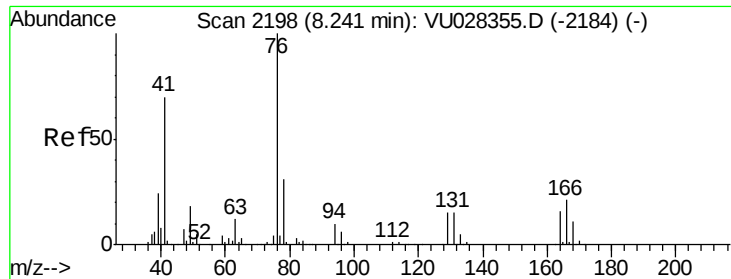
MMDadoda
 11/29/2018 1:23:26 PM



#56
 Ethyl methacrylate
 Concen: 53.224 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion:	69	Resp:	309014
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.0	90.0
39	36.6	29.0	43.6





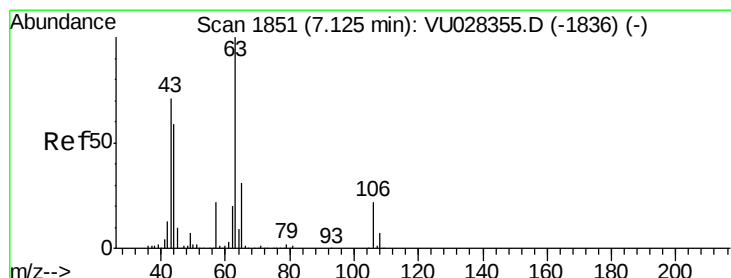
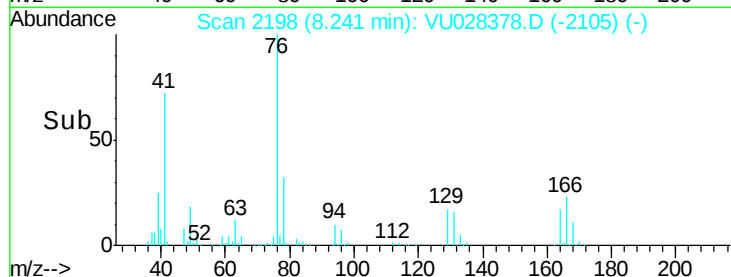
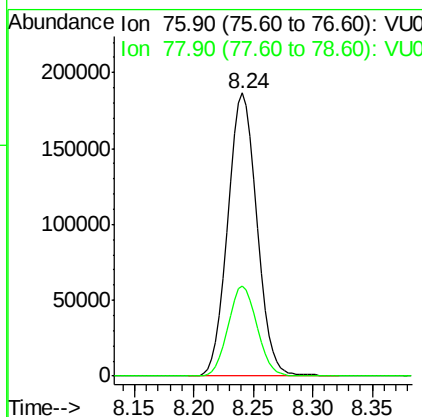
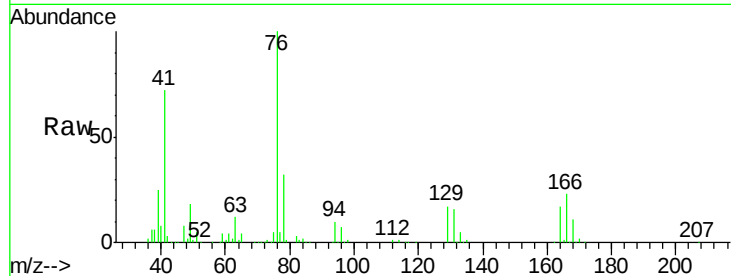
#57
 1,3-Dichloropropane
 Concen: 50.642 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 316947
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

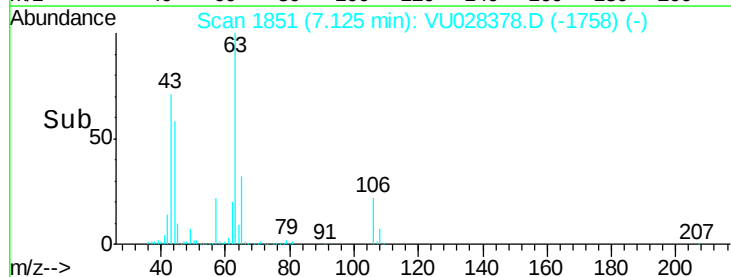
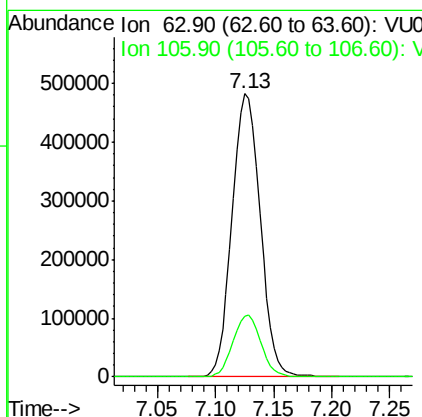
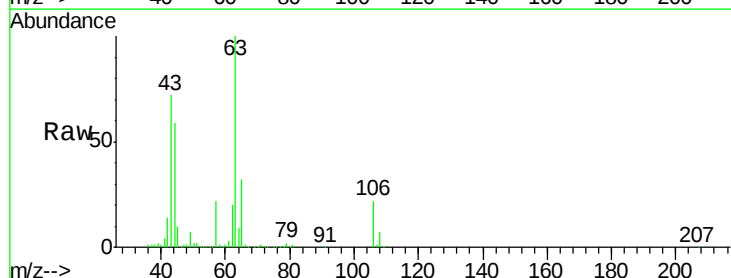
Manual Integrations
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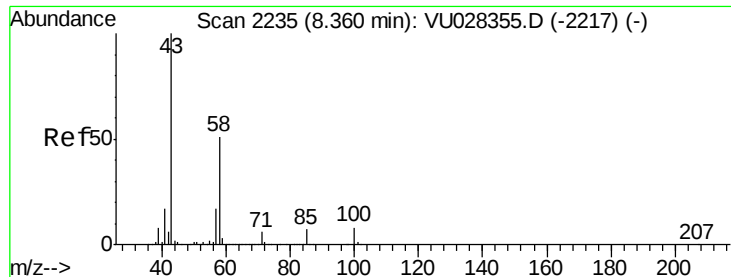
MMDadoda
 11/29/2018 1:23:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.190 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion: 63 Resp: 817278
 Ion Ratio Lower Upper
 63 100
 106 21.6 17.3 25.9





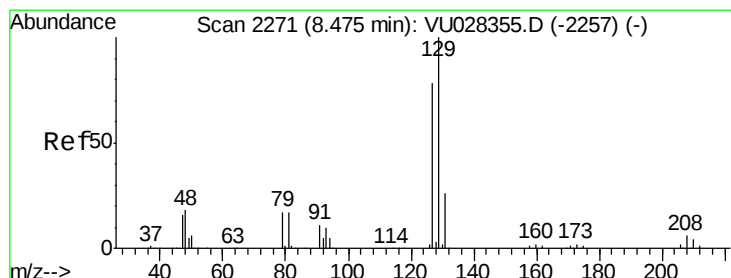
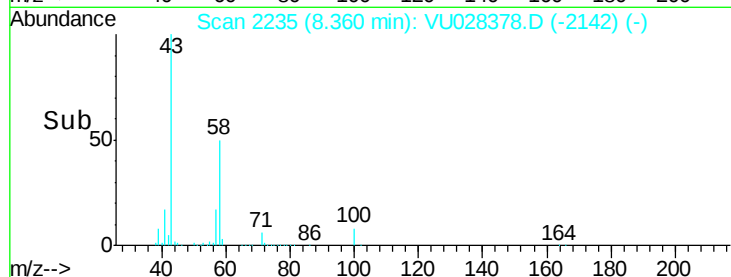
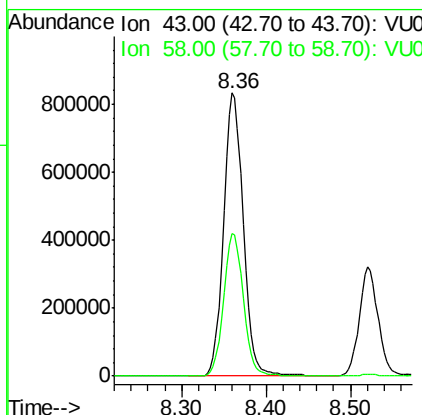
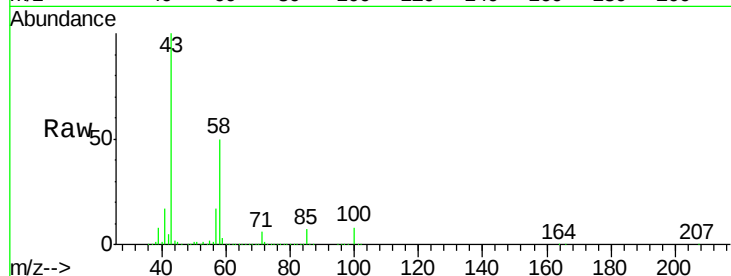
#59
2-Hexanone
Concen: 262.754 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1349698
Ion Ratio Lower Upper
43 100
58 50.7 25.5 76.5

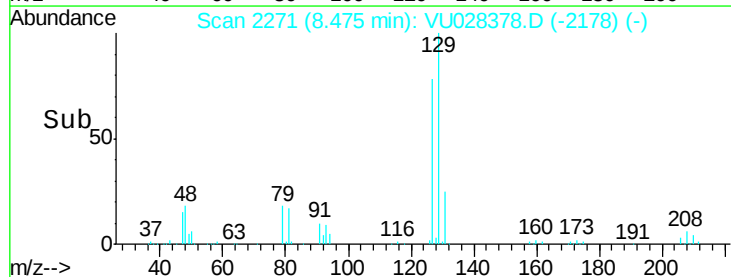
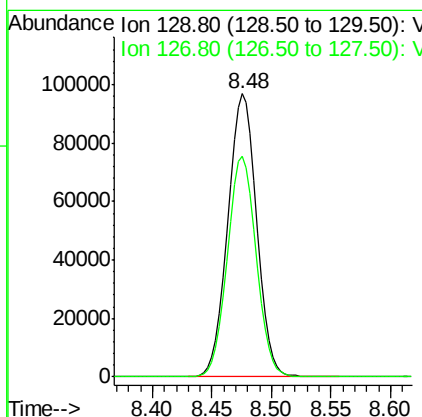
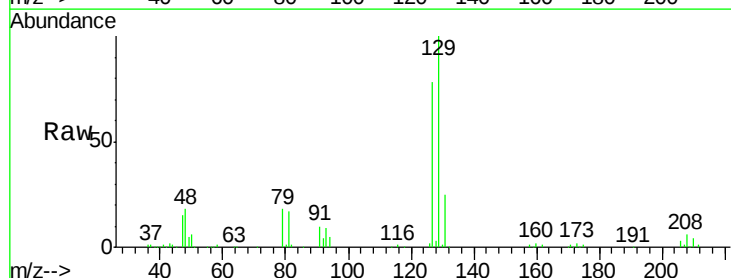
Manual Integrations
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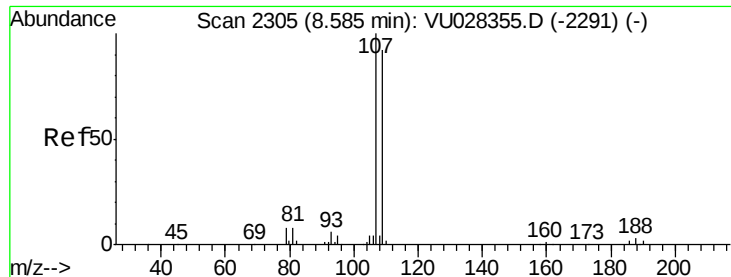
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#60
Dibromochloromethane
Concen: 50.128 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion: 129 Resp: 162706
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.436 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 179786

Ion Ratio Lower Upper

107 100

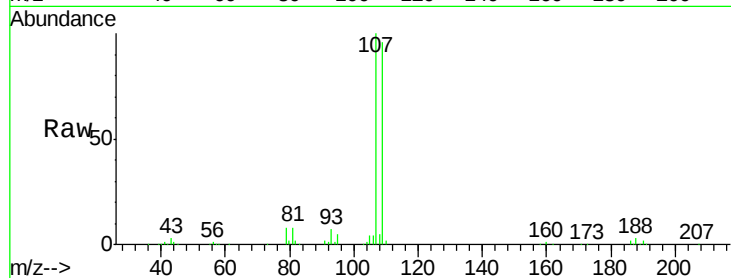
109 95.2 73.2 109.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

120000

100000

80000

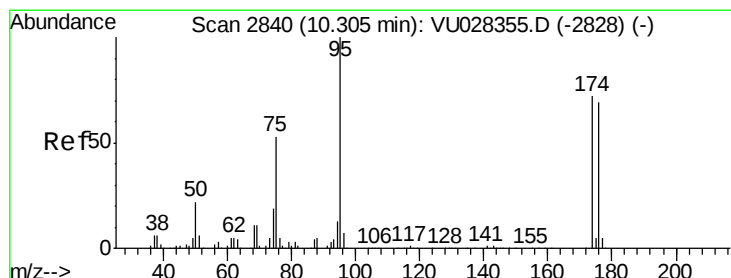
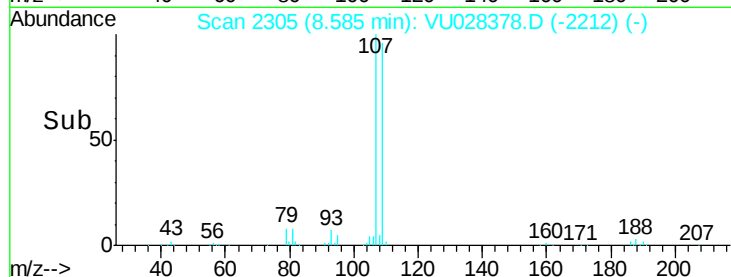
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.187 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

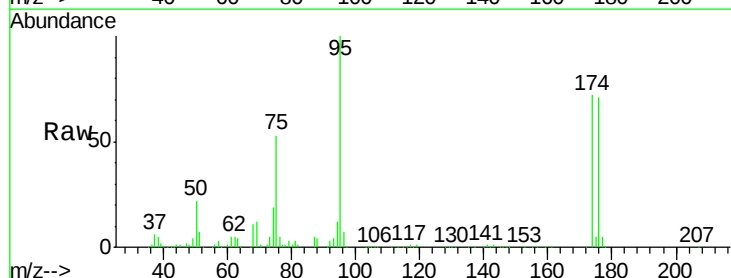
Tgt Ion: 95 Resp: 211359

Ion Ratio Lower Upper

95 100

174 74.4 0.0 145.4

176 71.6 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

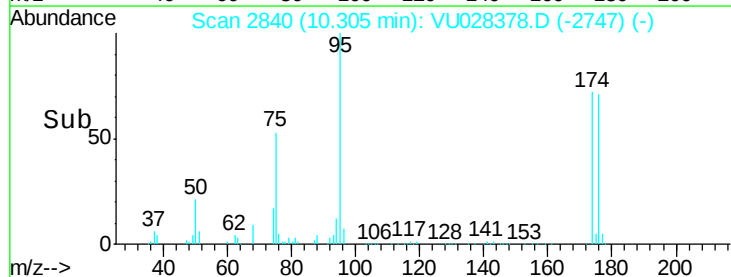
150000

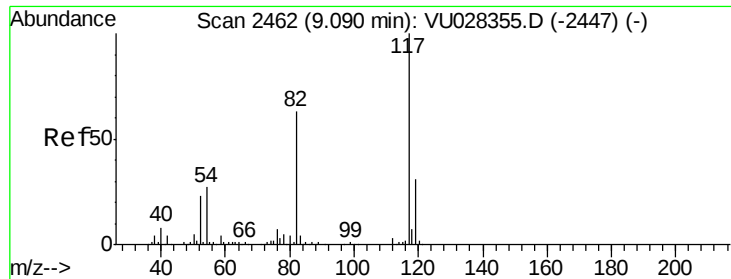
100000

50000

0

Time-->





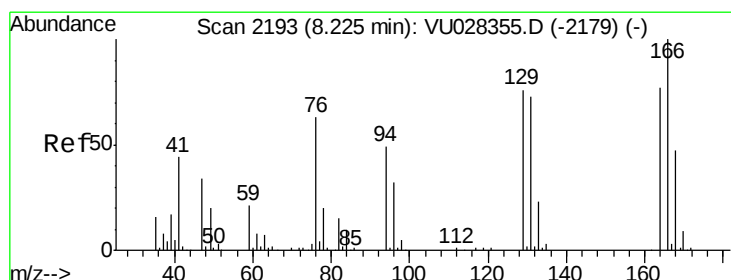
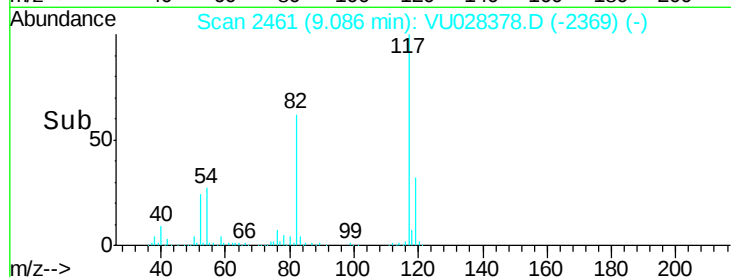
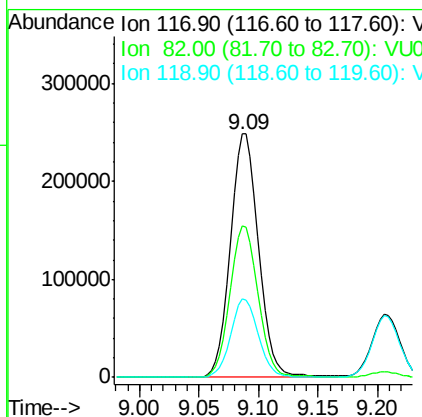
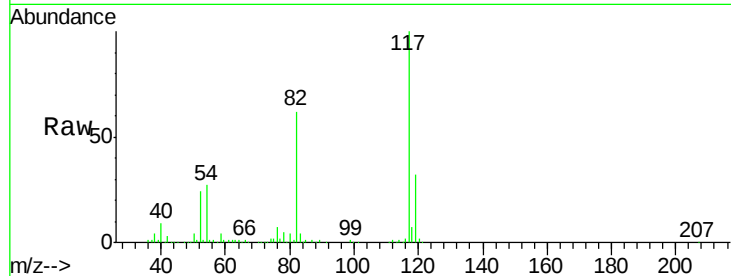
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408286		
82	62.4	50.3	75.5	
119	32.2	24.8	37.2	

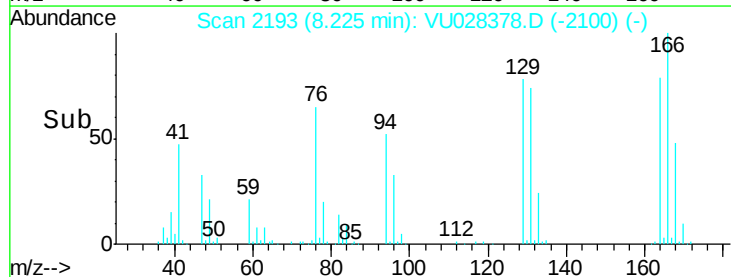
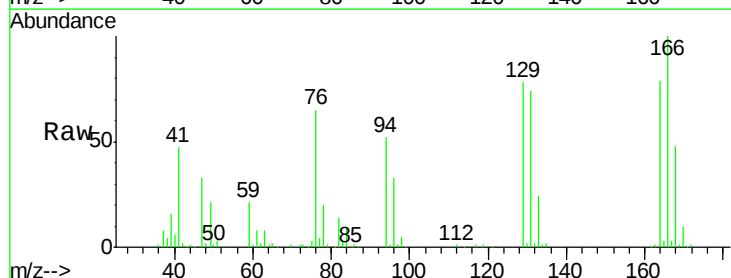
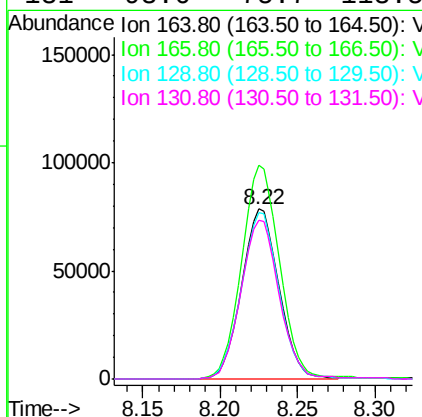
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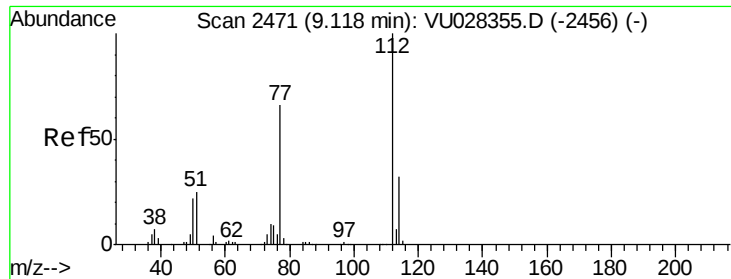
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#64
Tetrachloroethene
Concen: 49.214 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132172		
166	125.8	104.0	156.0	
129	98.1	79.2	118.8	
131	93.6	75.7	113.5	





#65

Chlorobenzene

Concen: 50.945 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 431895

Ion Ratio Lower Upper

112 100

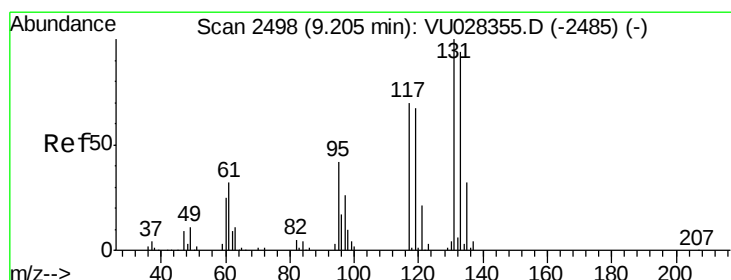
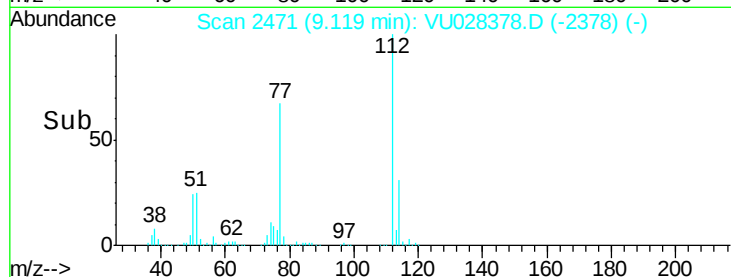
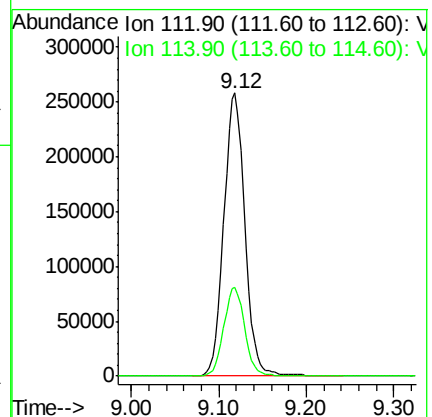
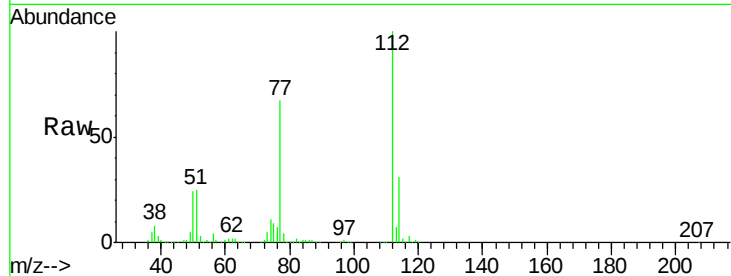
114 31.2 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.244 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

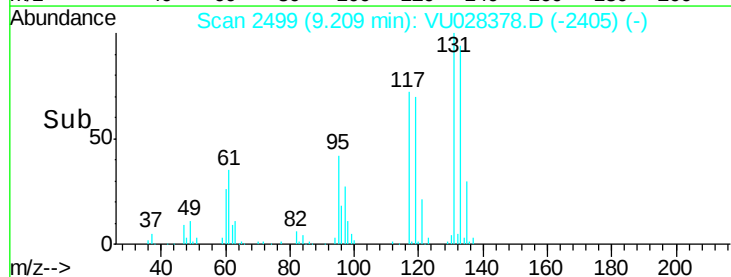
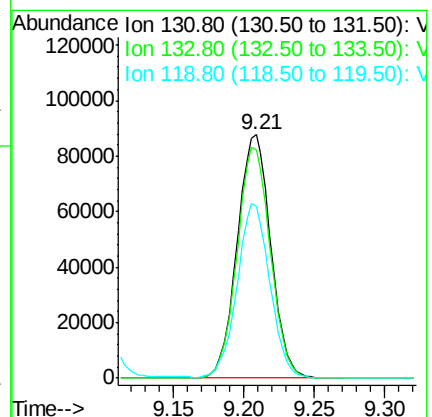
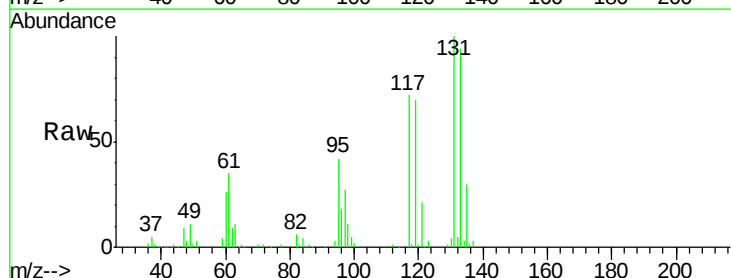
Tgt Ion:131 Resp: 146008

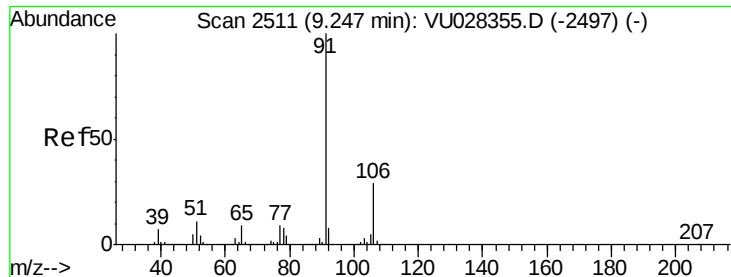
Ion Ratio Lower Upper

131 100

133 94.2 47.3 141.8

119 69.8 34.1 102.2





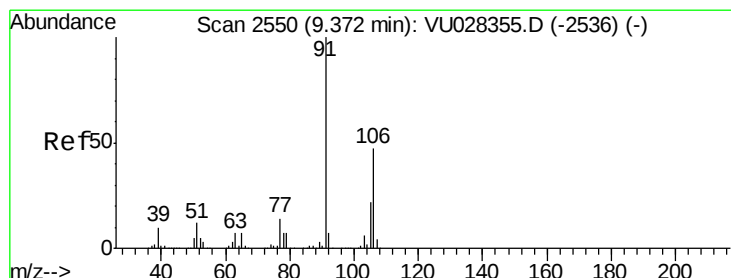
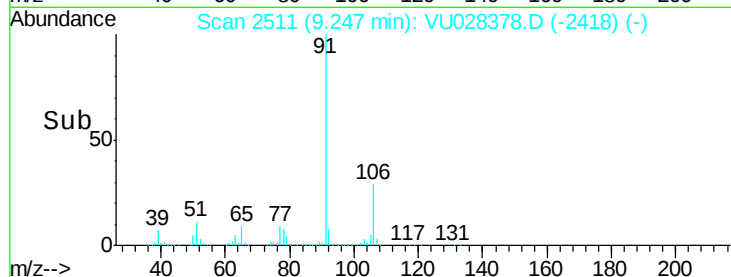
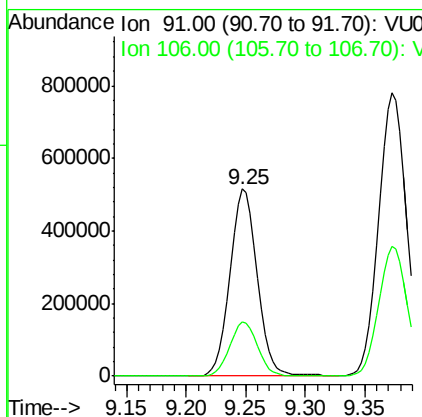
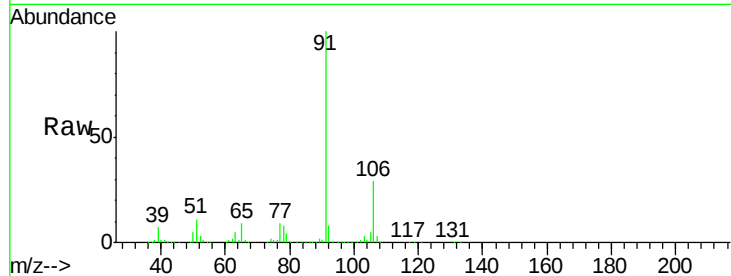
#67
Ethyl Benzene
Concen: 51.513 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 822524
Ion Ratio Lower Upper
91 100
106 28.9 23.3 34.9

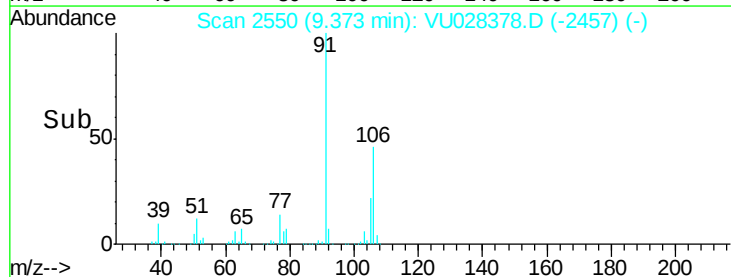
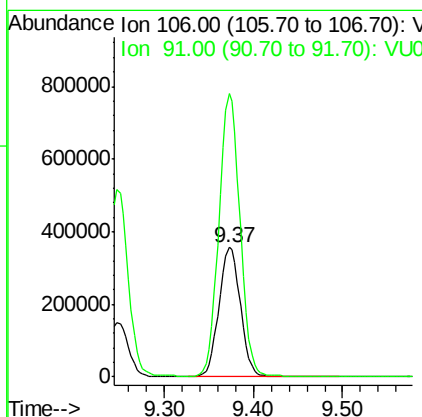
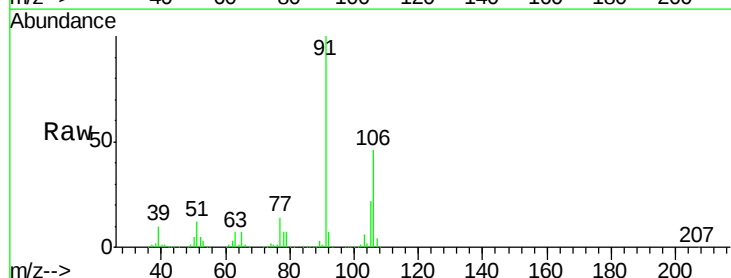
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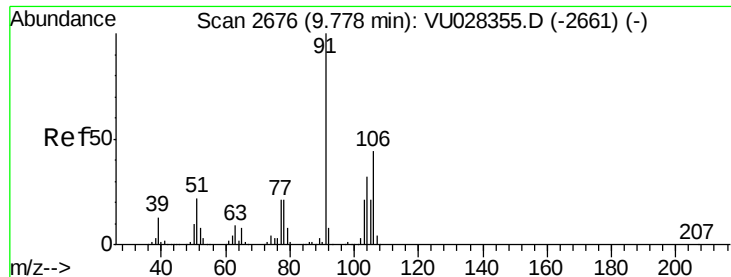
MMDadoda
11/29/2018 1:23:26 PM



#68
m/p-Xylenes
Concen: 103.450 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion: 106 Resp: 594540
Ion Ratio Lower Upper
106 100
91 215.1 171.0 256.6





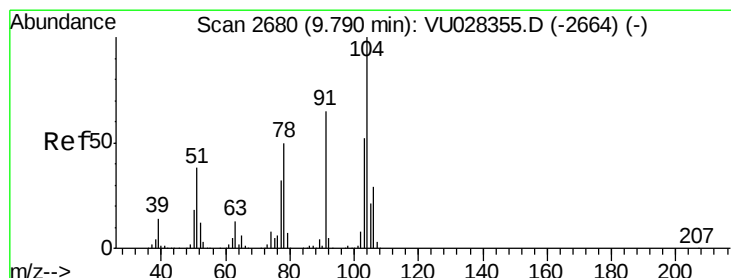
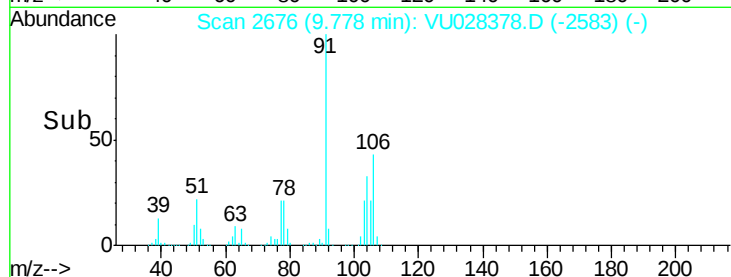
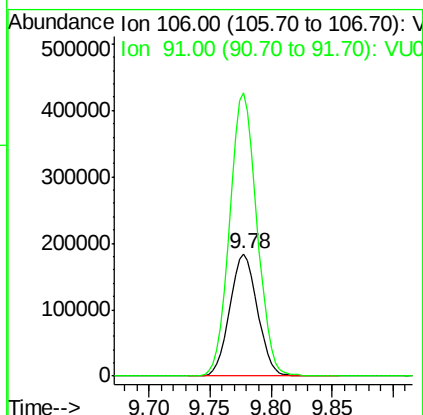
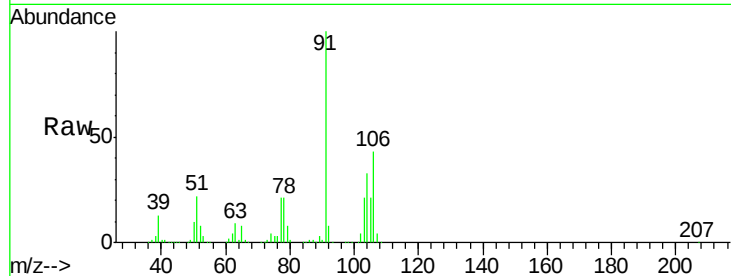
#69
o-Xylene
Concen: 51.361 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		293435		
91	227.4	112.7	338.0		

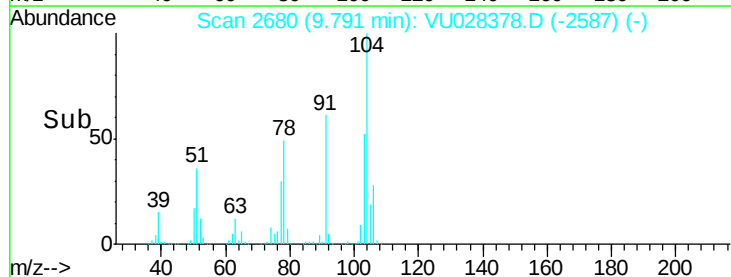
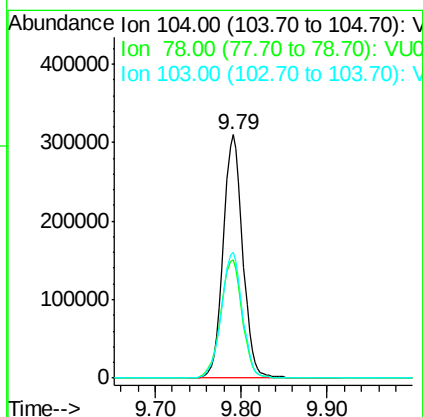
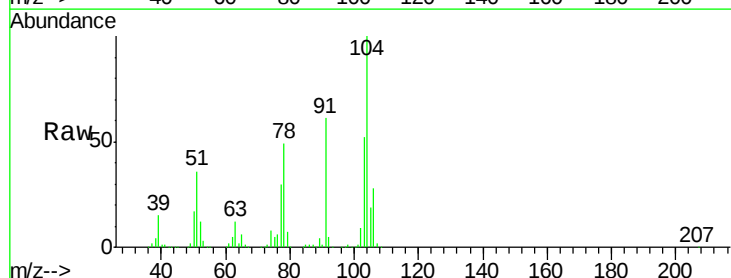
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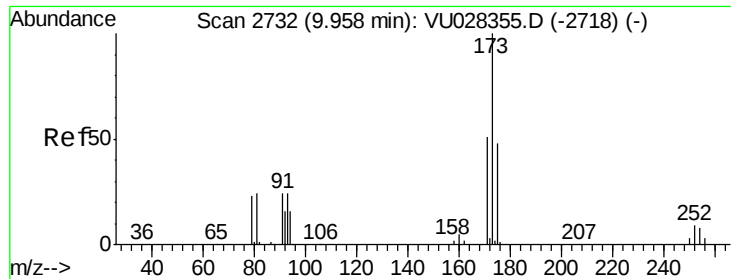
MMDadoda
11/29/2018 1:23:26 PM



#70
Styrene
Concen: 52.940 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		487799		
78	54.0	43.3	64.9		
103	55.8	44.8	67.2		





#71

Bromoform

Concen: 50.956 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

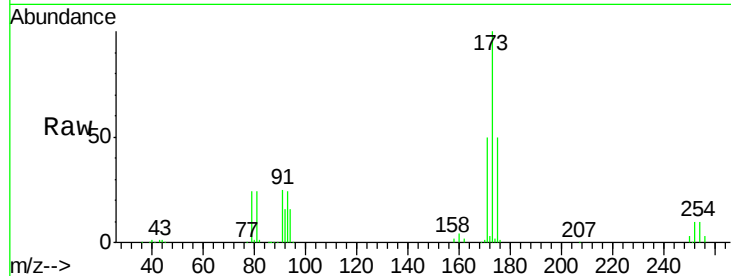
ClientSampleId :

VSTDCCC050EC

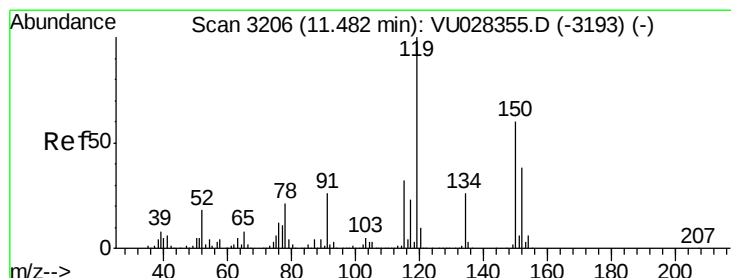
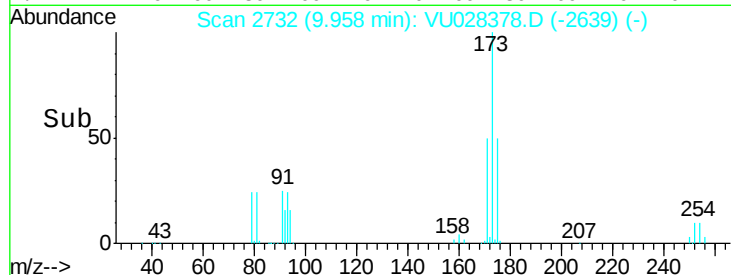
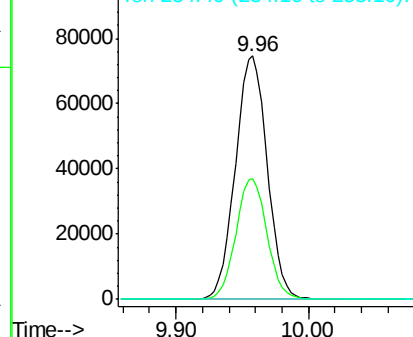
Tot Ion:	173	Resp:	124462
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.1	72.4
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

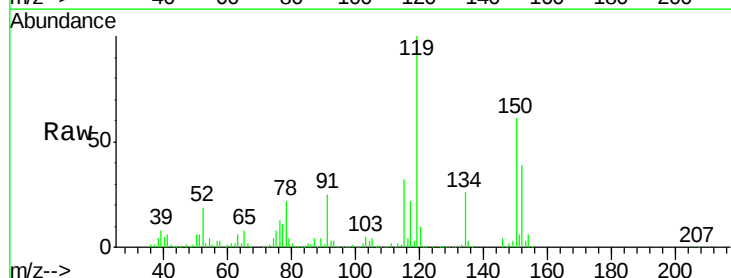
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

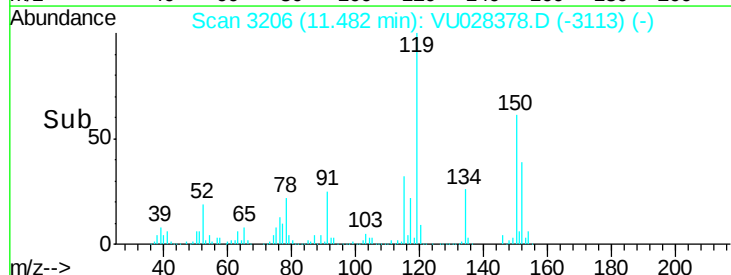
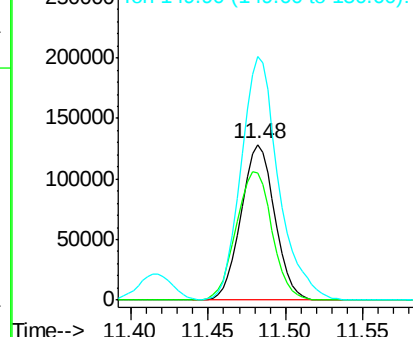
Lab File: VU028378.D

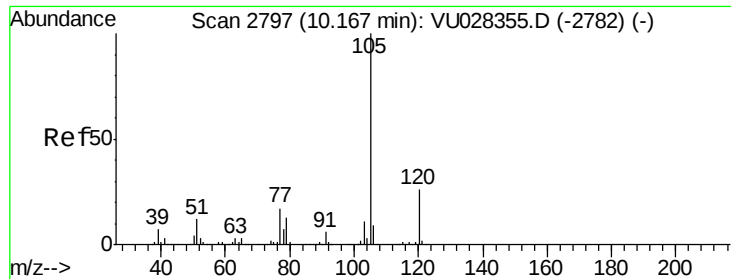
Acq: 28 Nov 2018 20:09

Tgt Ion:	152	Resp:	194666
Ion Ratio	Lower	Upper	
152	100		
115	87.6	45.0	134.8
150	173.3	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.081 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 773380

Ion Ratio Lower Upper

105 100

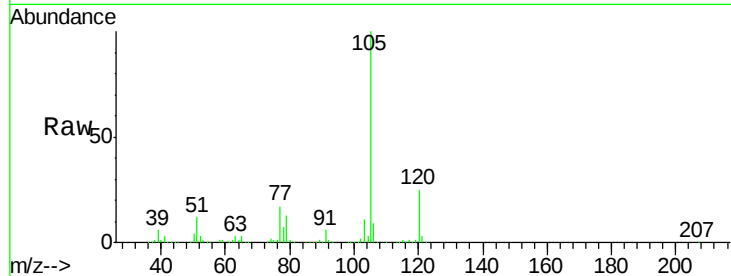
120 25.3 12.8 38.3

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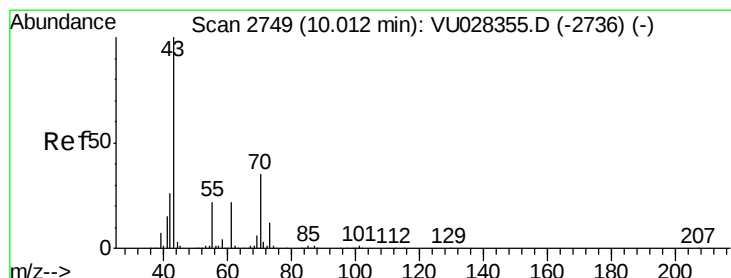
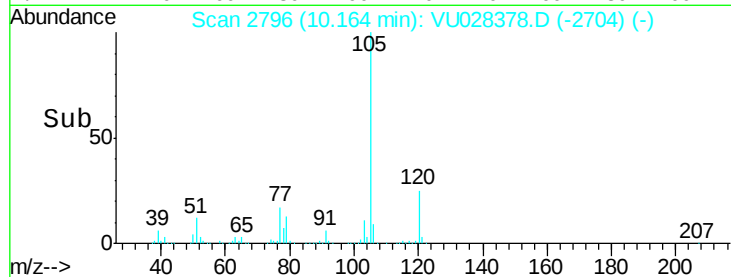
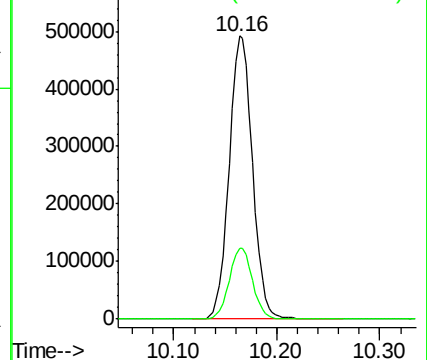
MMDadoda

11/29/2018 1:23:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.064 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion: 43 Resp: 493873

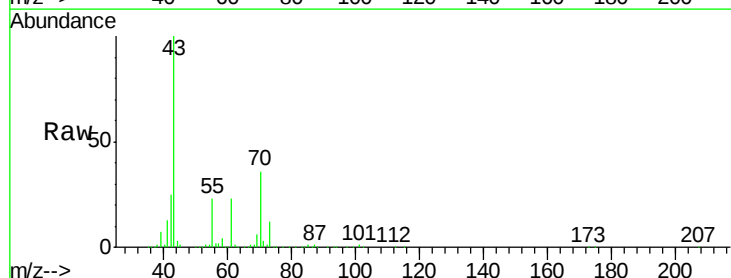
Ion Ratio Lower Upper

43 100

70 36.2 28.4 42.6

55 22.8 18.0 27.0

61 22.5 17.6 26.4

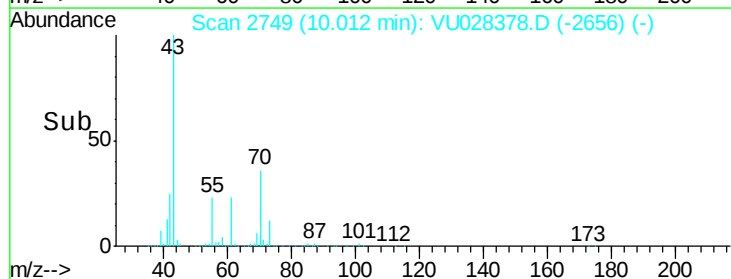
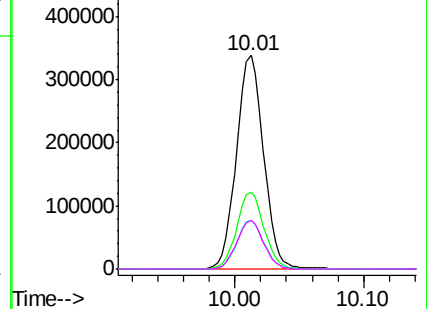


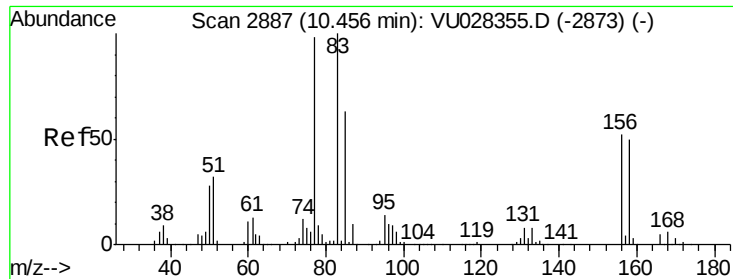
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.247 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

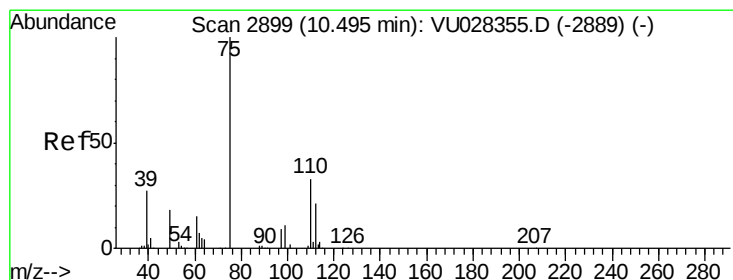
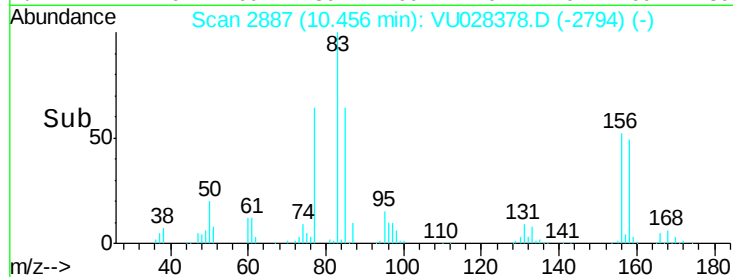
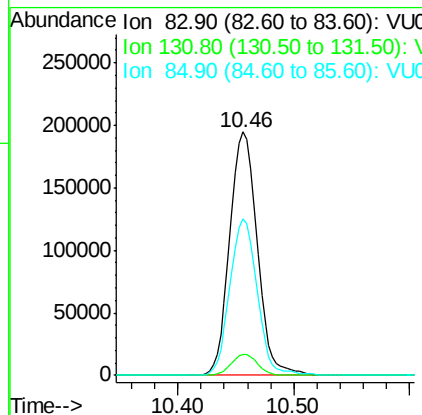
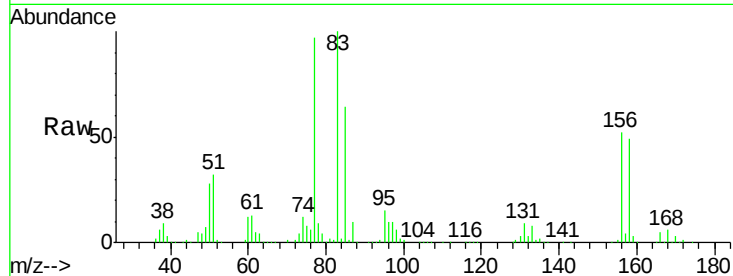
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	319064
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.0	12.2
85	63.9	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 52.414 ug/l m

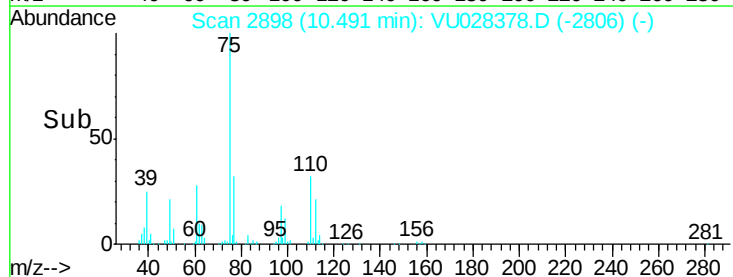
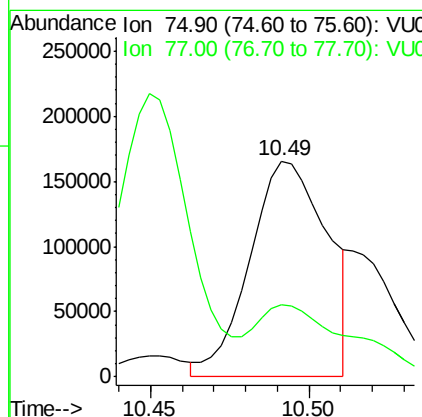
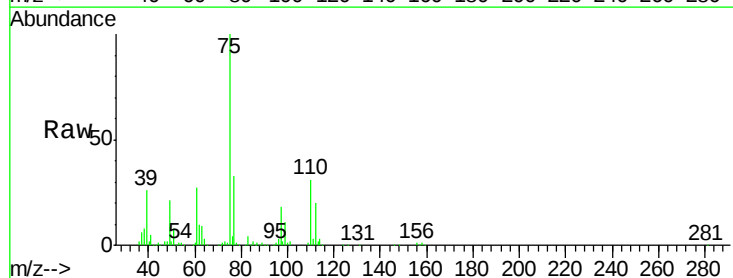
RT: 10.49 min Scan# 2898

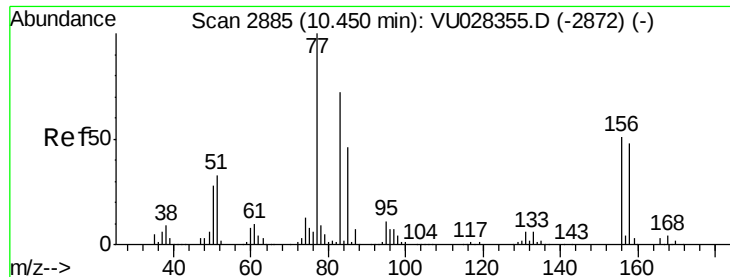
Delta R.T. -0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion:	75	Resp:	282944
Ion Ratio	Lower	Upper	
75	100		
77	41.6	22.4	67.0





#77

Bromobenzene

Concen: 50.433 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

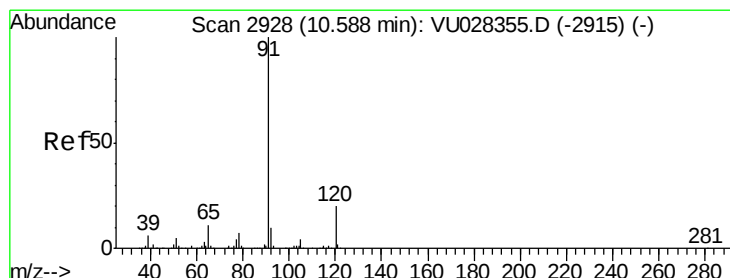
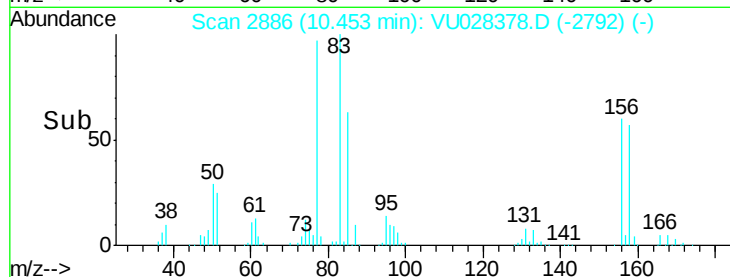
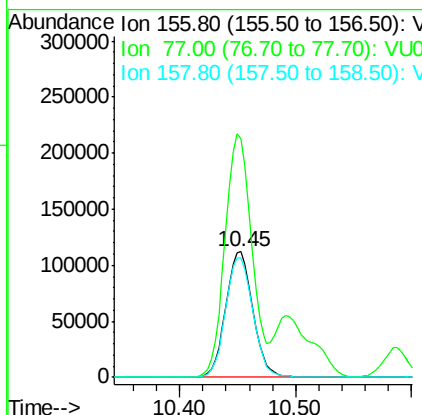
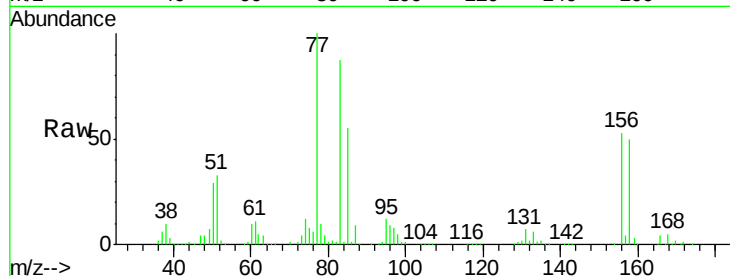
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	179919
Ion Ratio	Lower	Upper	
156	100		
77	191.6	97.0	290.9
158	96.3	46.8	140.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.186 ug/l

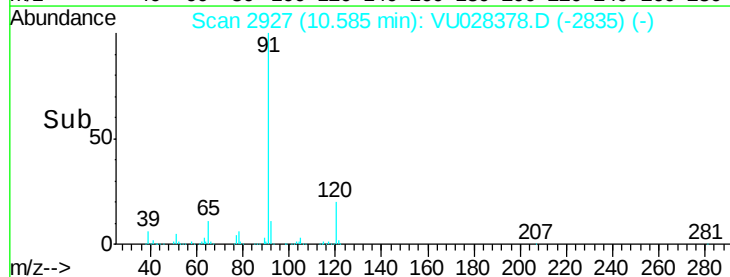
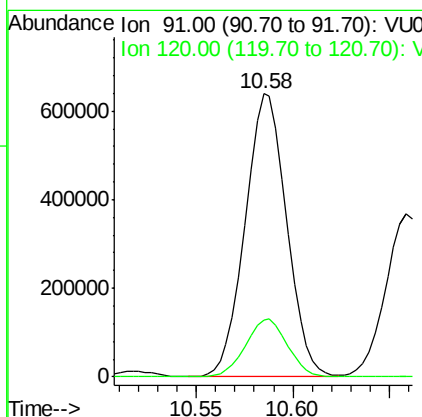
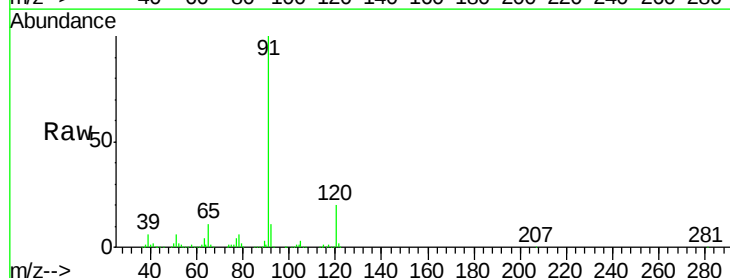
RT: 10.58 min Scan# 2927

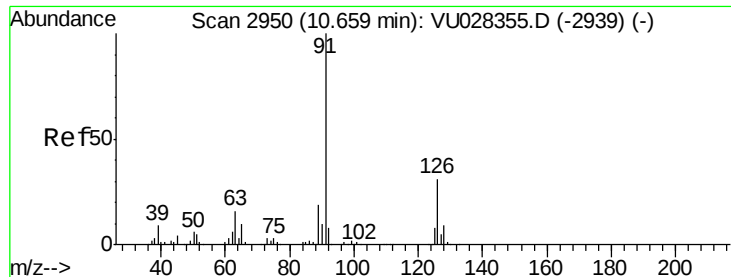
Delta R.T. -0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion:	91	Resp:	956020
Ion Ratio	Lower	Upper	
91	100		
120	20.5	10.3	30.8





#79

2-Chlorotoluene

Concen: 51.508 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 567120

Ion Ratio Lower Upper

91 100

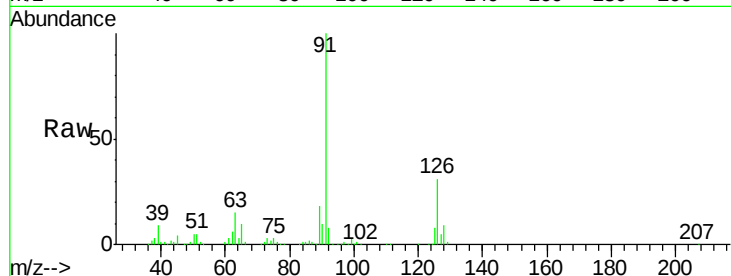
126 30.8 15.4 46.1

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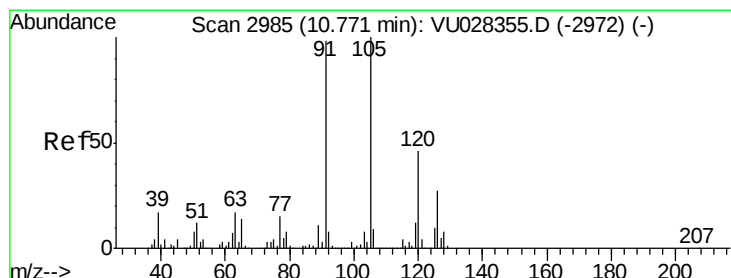
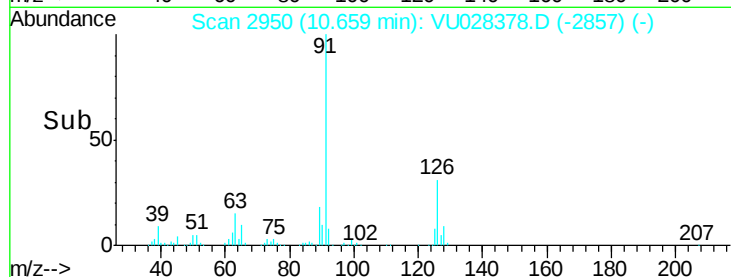
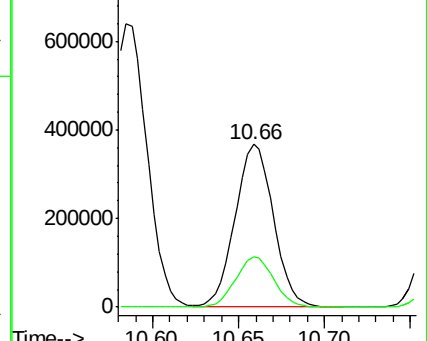
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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.312 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028378.D

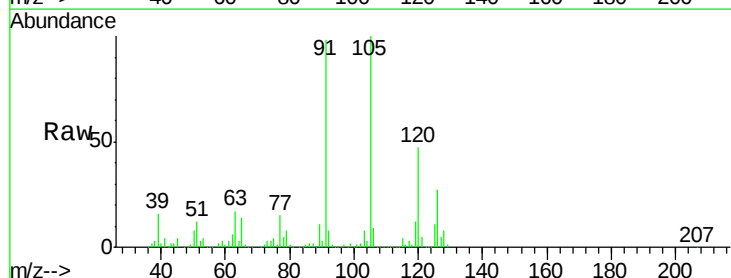
Acq: 28 Nov 2018 20:09

Tgt Ion: 105 Resp: 654669

Ion Ratio Lower Upper

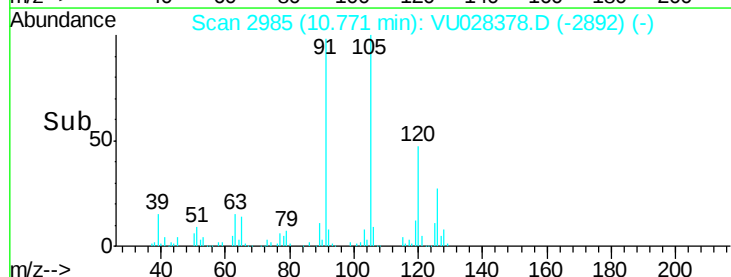
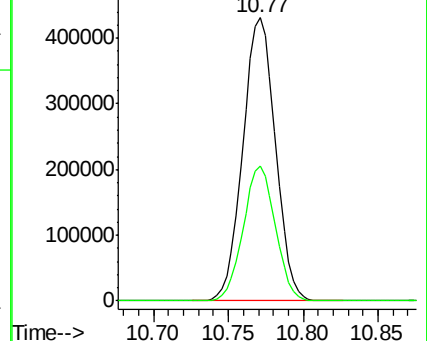
105 100

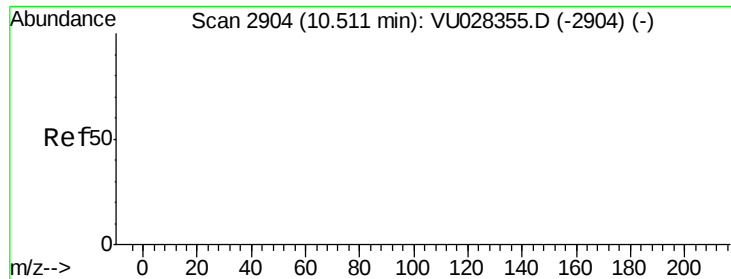
120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)





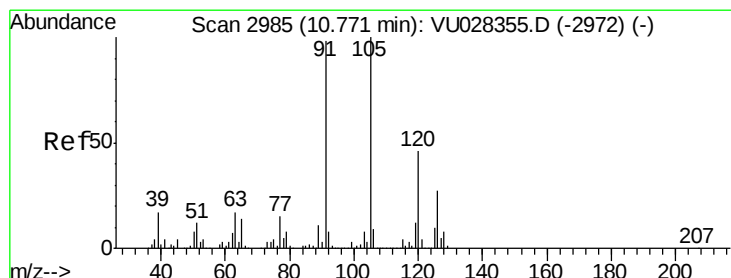
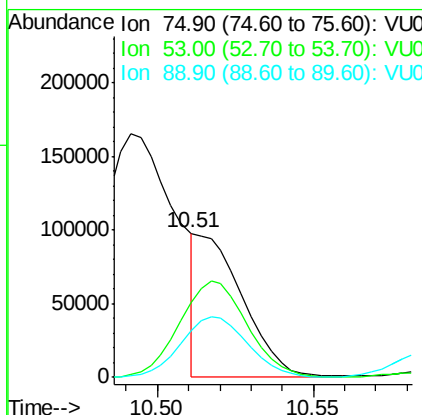
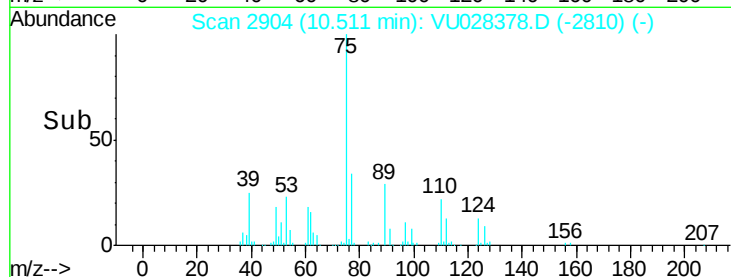
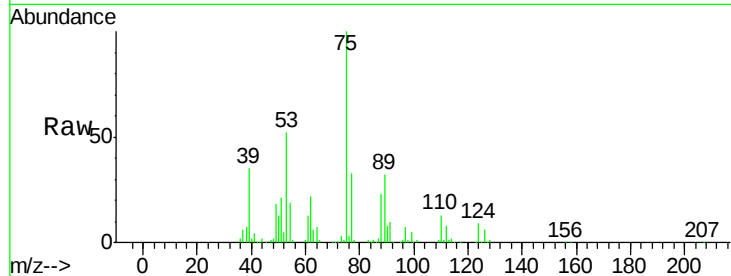
#81
trans-1,4-Dichloro-2-butene
Concen: 48.880 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

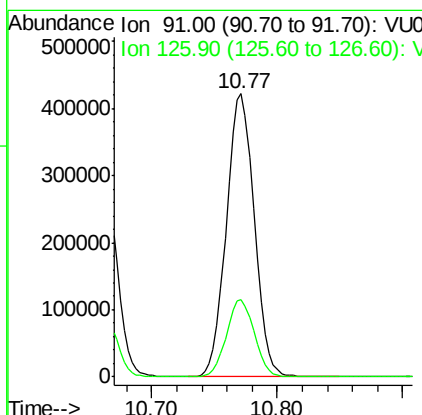
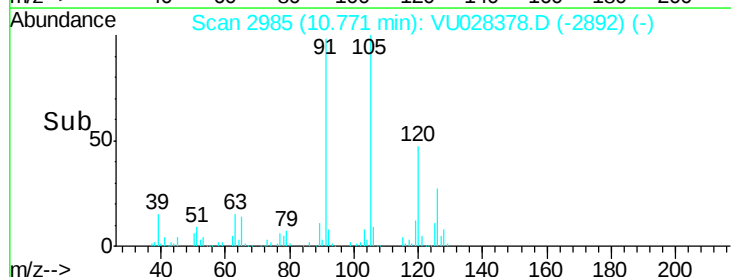
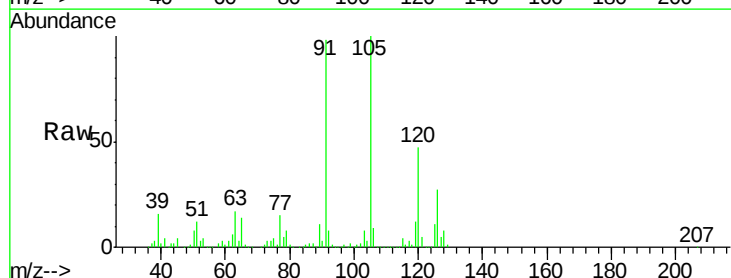
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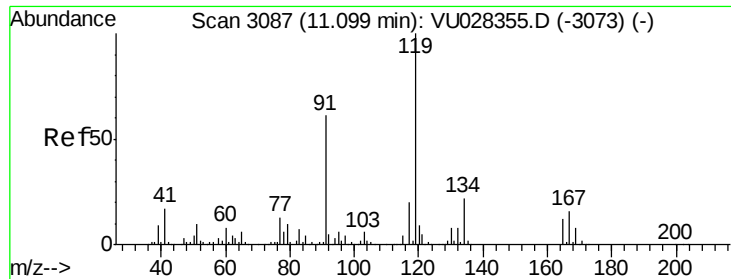
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#82
4-Chlorotoluene
Concen: 51.225 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.9	41.6





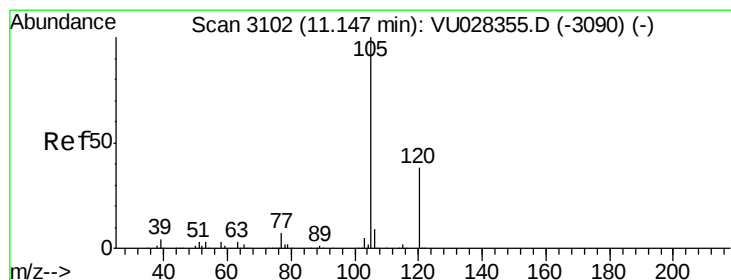
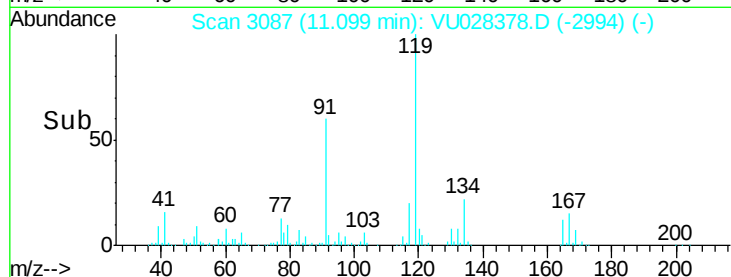
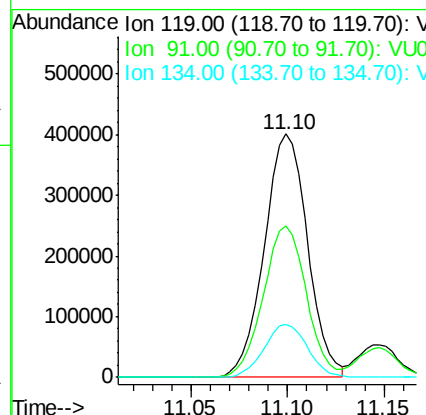
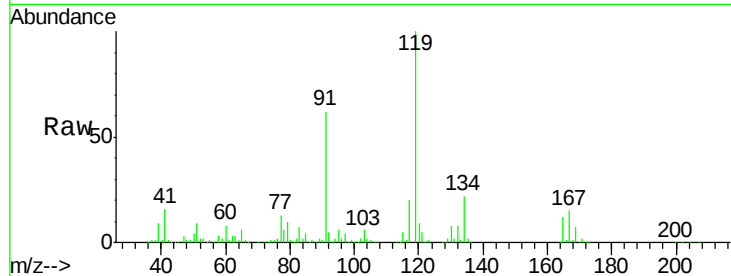
#83
tert-Butylbenzene
Concen: 52.573 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.8	92.4
134	22.0	11.1	33.1

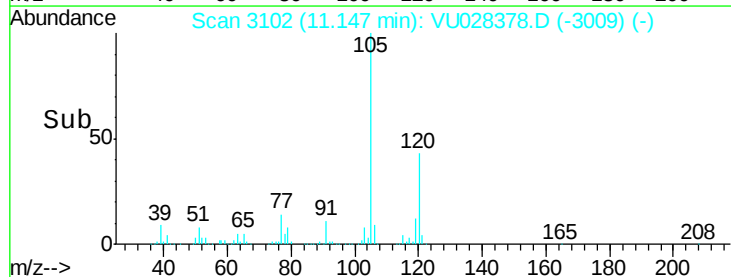
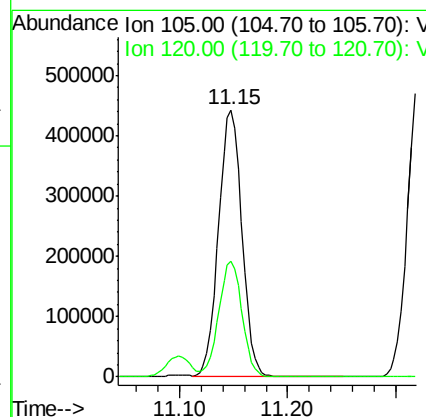
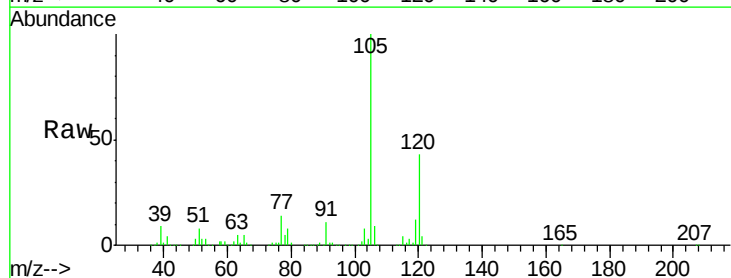
Manual Integrations
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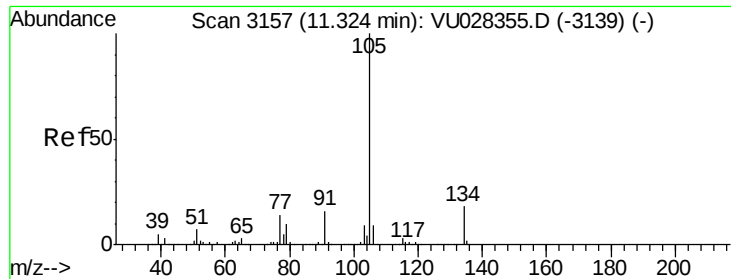
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#84
1,2,4-Trimethylbenzene
Concen: 51.519 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.4	64.3





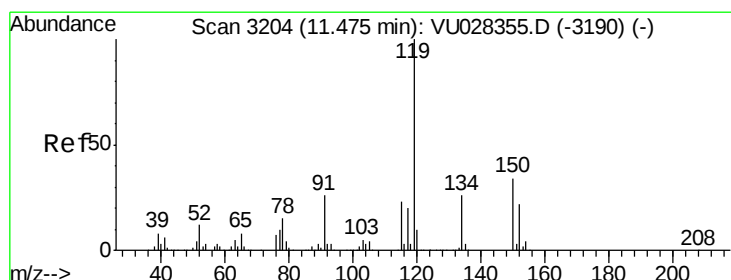
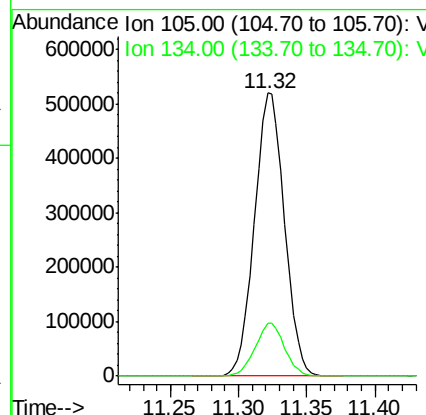
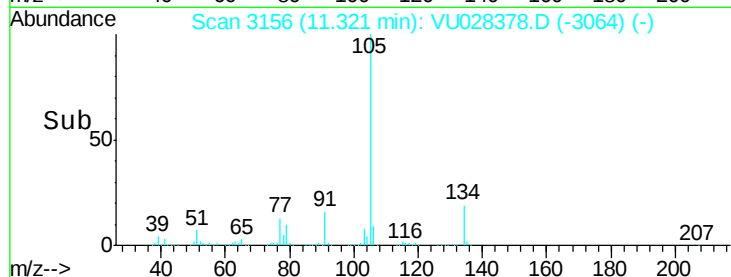
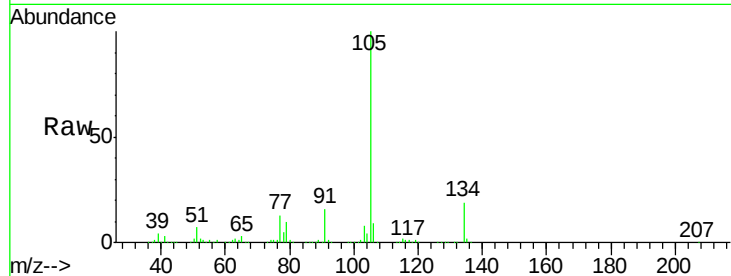
#85
 sec-Butylbenzene
 Concen: 51.352 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.3	27.7

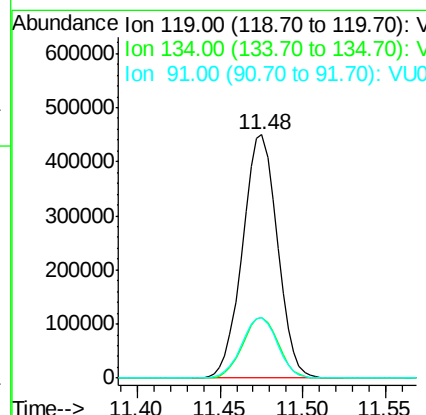
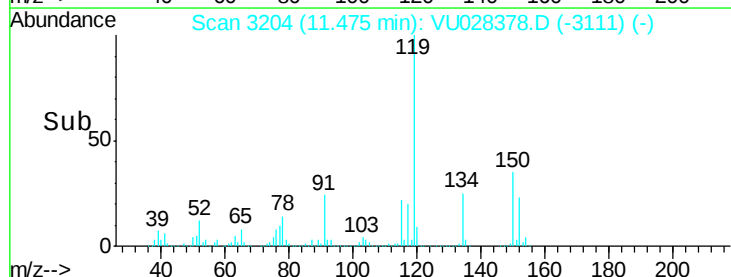
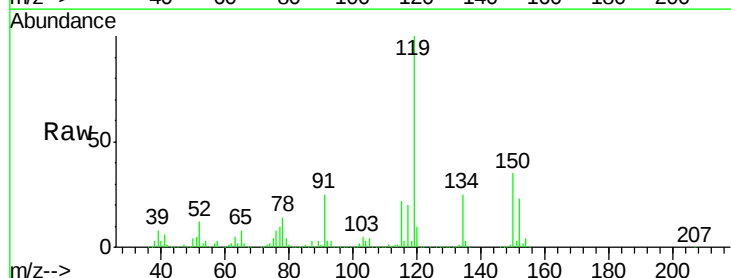
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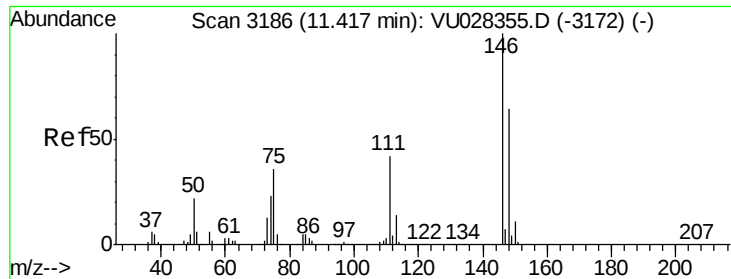
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#86
 p-Isopropyltoluene
 Concen: 51.810 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	25.7	13.1	39.1





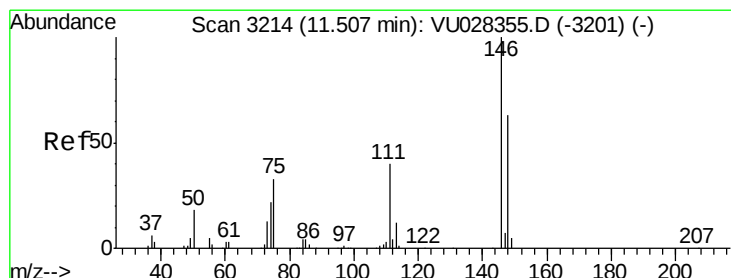
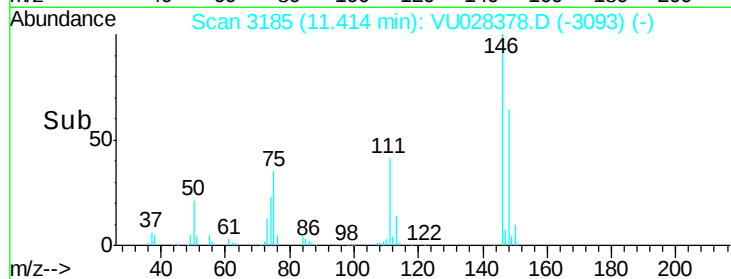
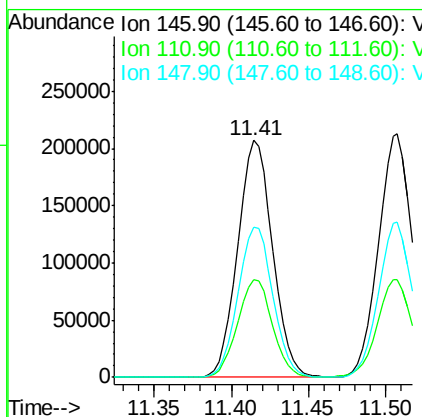
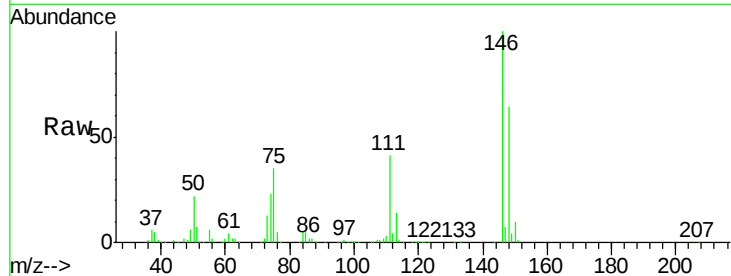
#87
 1,3-Dichlorobenzene
 Concen: 49.813 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.5	31.8	95.3

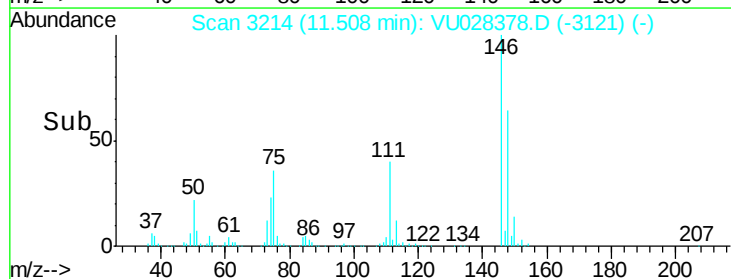
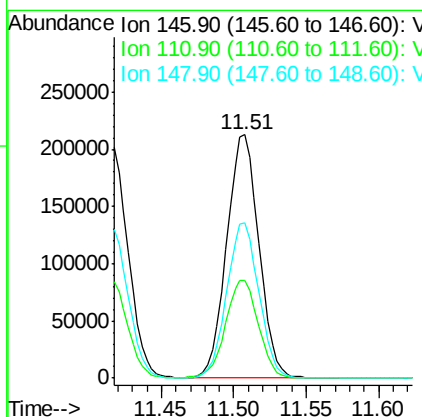
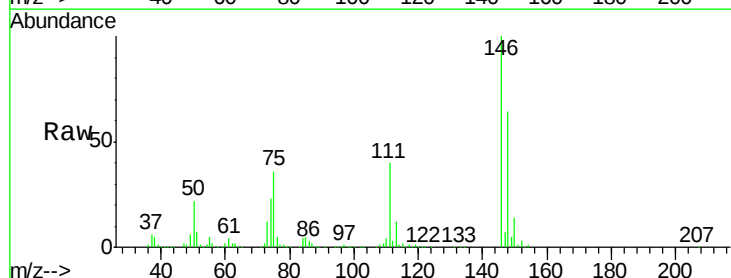
Manual Integrations
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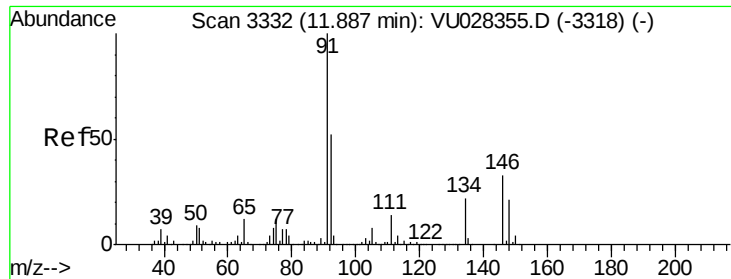
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#88
 1,4-Dichlorobenzene
 Concen: 50.029 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.7	31.1	93.5





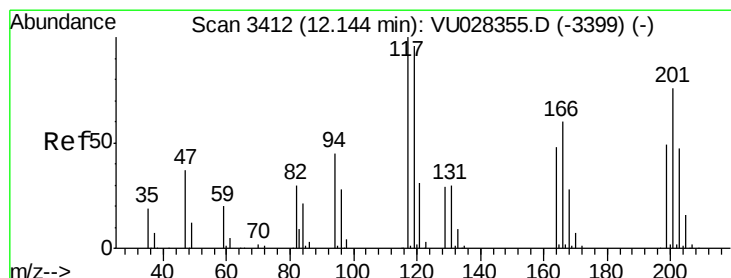
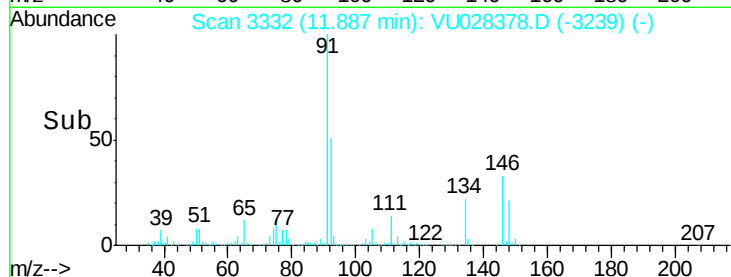
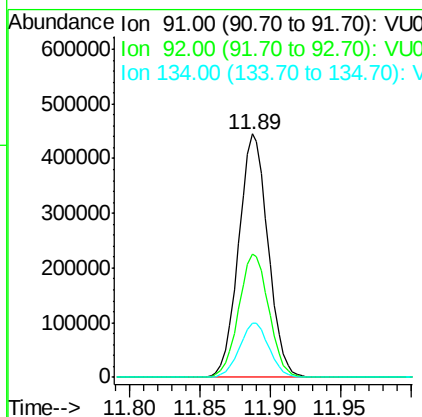
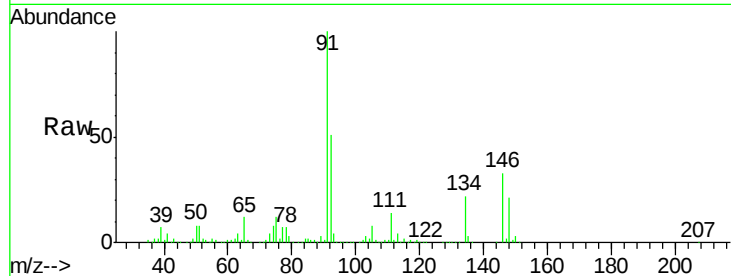
#89
n-Butylbenzene
Concen: 51.787 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.5	11.1	33.1

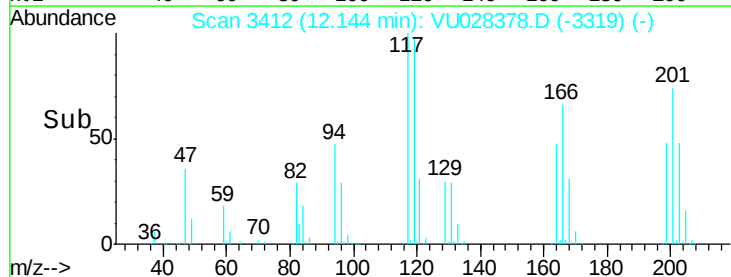
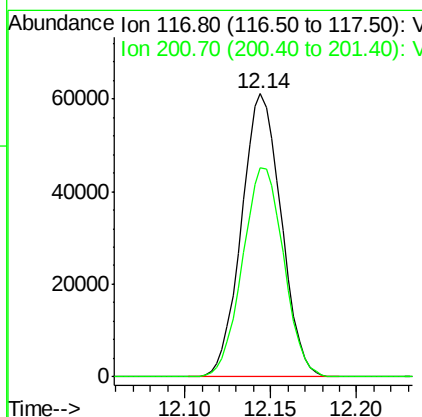
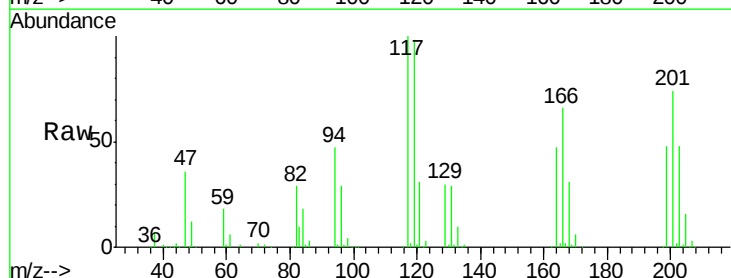
Manual Integrations
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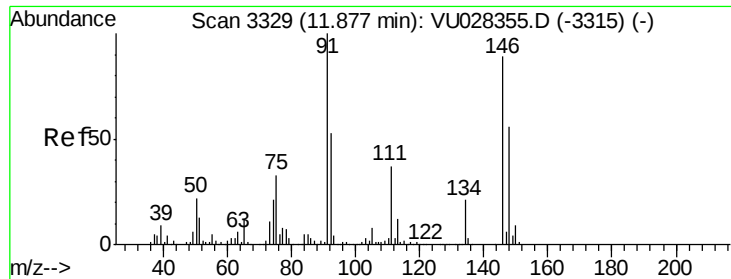
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#90
Hexachloroethane
Concen: 49.305 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	37.7	113.1





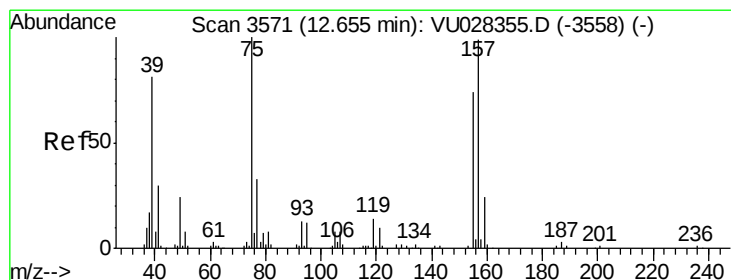
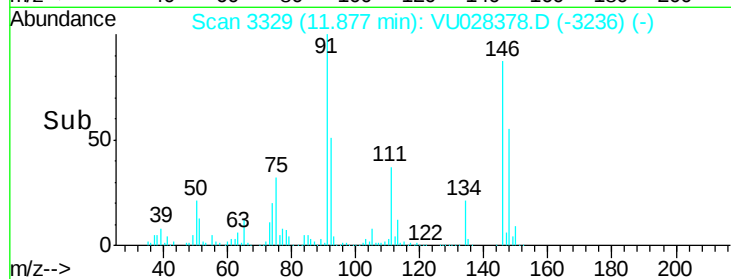
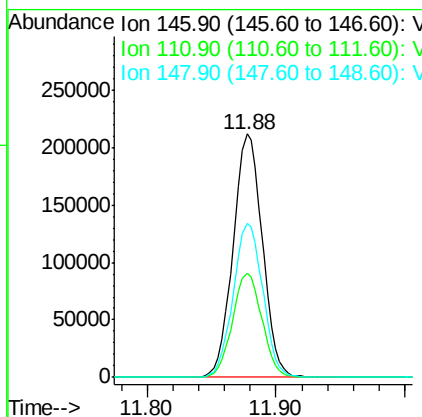
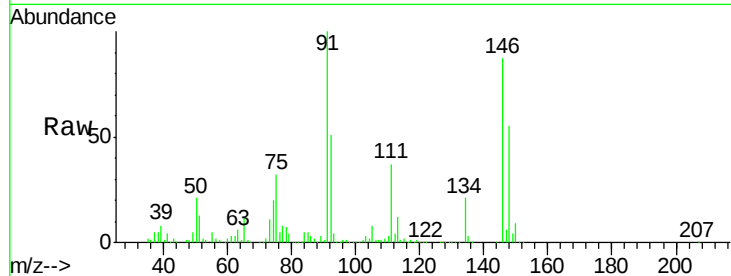
#91
1,2-Dichlorobenzene
Concen: 51.446 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	64.0	32.2	96.6

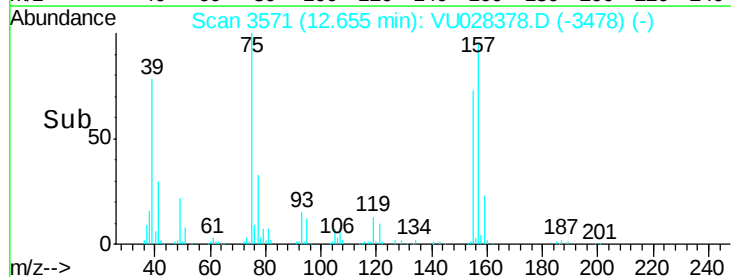
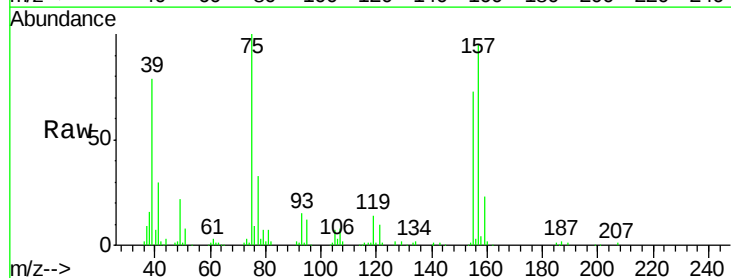
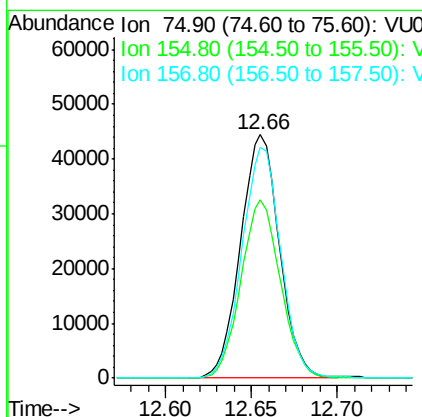
Manual Integrations
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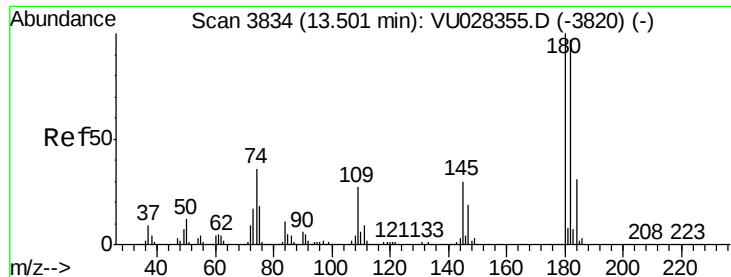
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#92
1,2-Dibromo-3-Chloropropane
Concen: 50.611 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. 0.00 min
Lab File: VU028378.D
Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	36.9	110.7
157	94.4	47.5	142.5





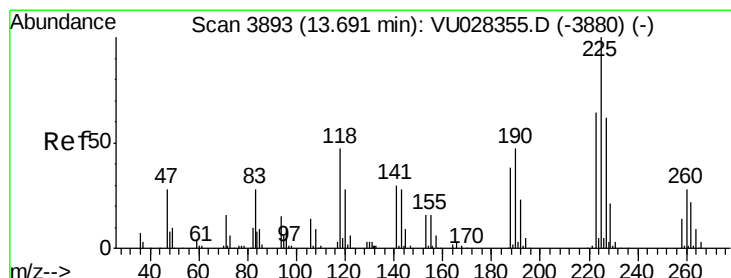
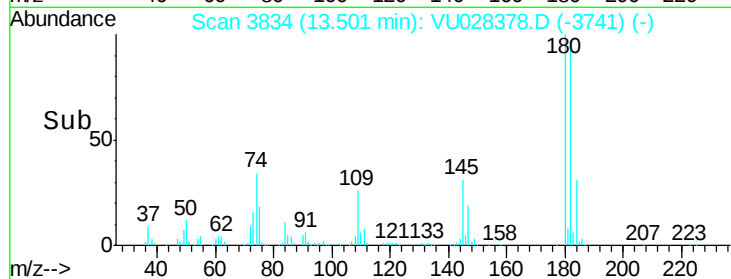
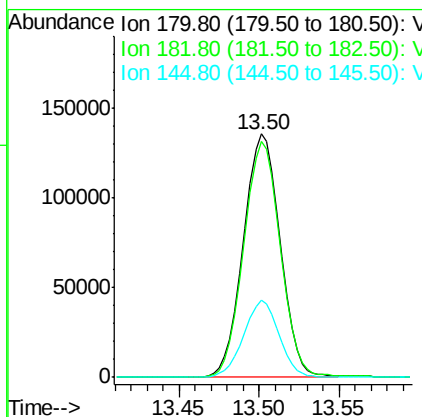
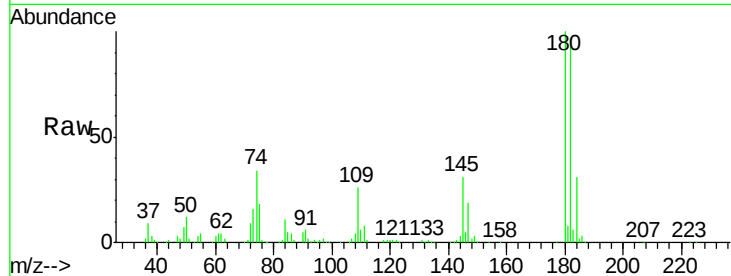
#93
 1,2,4-Trichlorobenzene
 Concen: 50.079 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	30.5	15.2	45.5

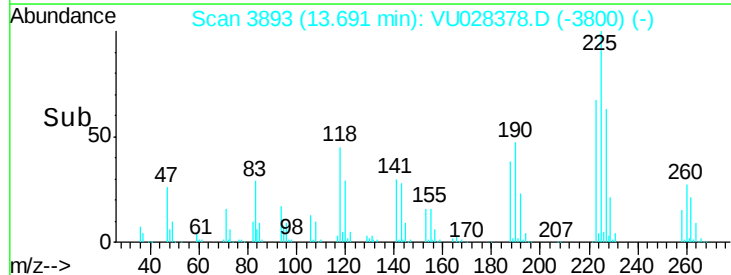
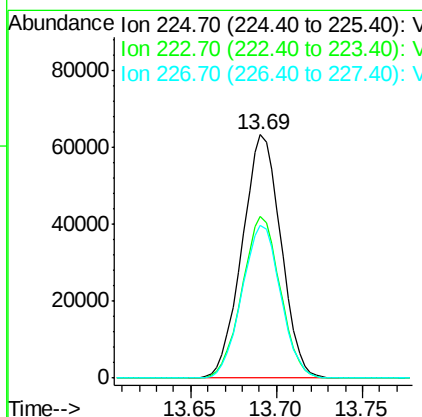
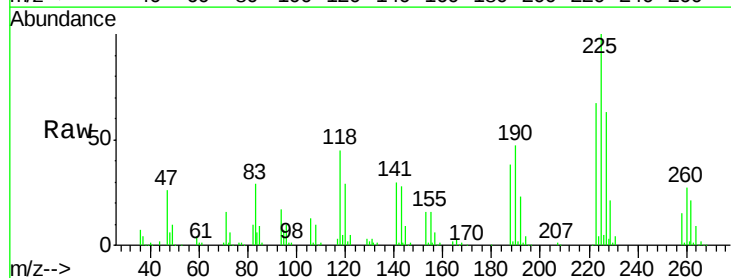
Manual Integrations
 APPROVED

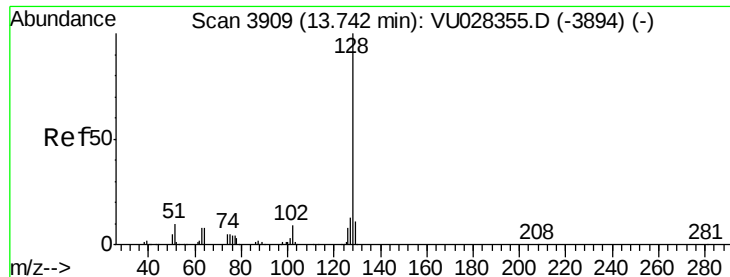
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#94
 Hexachlorobutadiene
 Concen: 49.327 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028378.D
 Acq: 28 Nov 2018 20:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	94.7
227	62.5	30.8	92.4





#95

Naphthalene

Concen: 47.893 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Instrument :

MSVOA_U

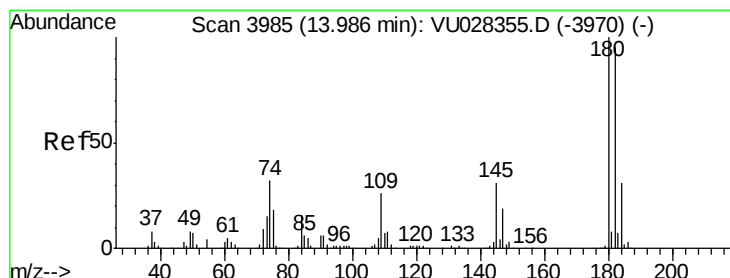
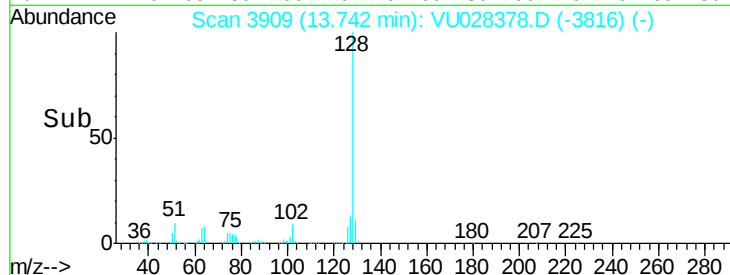
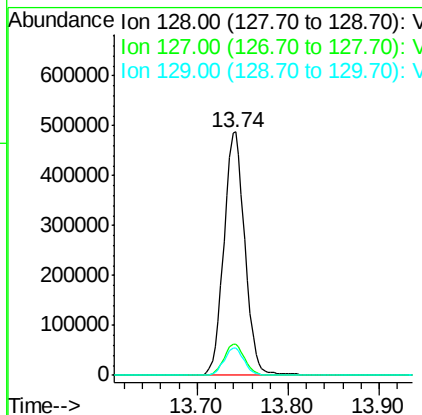
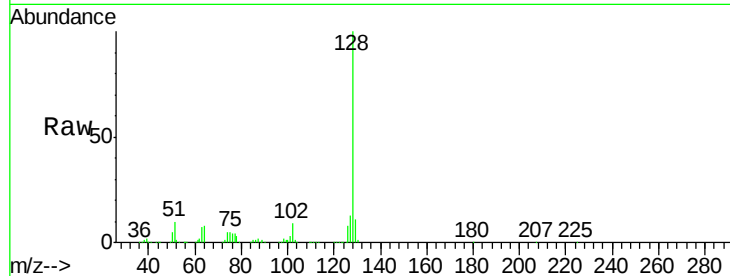
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	782597
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.898 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028378.D

Acq: 28 Nov 2018 20:09

Tgt Ion:	180	Resp:	223042
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.7	143.1
145	31.4	15.7	47.1

