

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028454.D
 Acq On : 03 Dec 2018 20:11
 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
 12/4/2018 11:18:37 AM

Quant Time: Dec 04 07:46:38 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	281281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	514363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	491011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	245831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	232327	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	4.88	113	167472	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.57	98	672098	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	10.30	95	255988	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	176768	46.847	ug/l	99
3) Chloromethane	1.33	50	316882	43.326	ug/l	98
4) Vinyl Chloride	1.40	62	243884	47.659	ug/l	100
5) Bromomethane	1.62	94	91421	46.191	ug/l	96
6) Chloroethane	1.69	64	144105	48.939	ug/l	98
7) Trichlorofluoromethane	1.88	101	256392	48.235	ug/l	100
8) Diethyl Ether	2.10	74	121556	49.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	156247	50.460	ug/l	97
10) Methyl Iodide	2.41	142	108693	37.224	ug/l	97
11) Tert butyl alcohol	2.82	59	255572	239.308	ug/l	98
12) 1,1-Dichloroethene	2.28	96	154345	51.364	ug/l	90
13) Acrolein	2.19	56	200242	210.906	ug/l	99
14) Allyl chloride	2.59	41	347283	44.234	ug/l	99
15) Acrylonitrile	2.94	53	708899	250.940	ug/l	100
16) Acetone	2.32	43	601137	209.043	ug/l	98
17) Carbon Disulfide	2.48	76	516475	44.779	ug/l	99
18) Methyl Acetate	2.61	43	393418	49.137	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	610391	49.547	ug/l	98
20) Methylene Chloride	2.70	84	198801	49.012	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	170811	49.014	ug/l	96
22) Diisopropyl ether	3.57	45	741530	47.974	ug/l	99
23) Vinyl Acetate	3.52	43	3094305	240.839	ug/l	99
24) 1,1-Dichloroethane	3.45	63	374951	49.201	ug/l	99
25) 2-Butanone	4.26	43	980846	237.995	ug/l	98
26) 2,2-Dichloropropane	4.23	77	280986	46.426	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	203612	49.403	ug/l	95
28) Bromochloromethane	4.55	49	180530	47.376	ug/l	95
29) Tetrahydrofuran	4.64	42	657799	245.832	ug/l	97
30) Chloroform	4.67	83	337495	47.979	ug/l	98
31) Cyclohexane	5.00	56	363101	46.386	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	273961	48.537	ug/l	99
36) 1,1-Dichloropropene	5.13	75	262633	46.660	ug/l	99
37) Ethyl Acetate	4.38	43	369131	48.124	ug/l	99
38) Carbon Tetrachloride	5.13	117	214162	46.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	314467	47.387	ug/l	98
40) Benzene	5.39	78	797995	47.868	ug/l	99
41) Methacrylonitrile	4.54	41	208842	49.027	ug/l	97
42) 1,2-Dichloroethane	5.40	62	281863	46.934	ug/l	99
43) Isopropyl Acetate	5.55	43	585442	48.164	ug/l	98
44) Trichloroethene	6.19	130	175266	49.048	ug/l	99
45) 1,2-Dichloropropane	6.43	63	228465	46.799	ug/l	98
46) Dibromomethane	6.56	93	136266	48.595	ug/l	98
47) Bromodichloromethane	6.76	83	261464	46.878	ug/l	99
48) Methyl methacrylate	6.62	41	296133	46.770	ug/l	98
49) 1,4-Dioxane	6.61	88	93995	929.275	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1859117	239.476	ug/l	98
52) Toluene	7.64	92	467256	48.674	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	318281	47.722	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	336943	47.157	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	191330	47.889	ug/l	99
56) Ethyl methacrylate	8.02	69	335483	49.359	ug/l	98
57) 1,3-Dichloropropane	8.24	76	350969	47.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	886032	242.806	ug/l	98
59) 2-Hexanone	8.36	43	1433939	238.456	ug/l	98
60) Dibromochloromethane	8.48	129	183649	48.332	ug/l	99
61) 1,2-Dibromoethane	8.58	107	202640	49.522	ug/l	96
64) Tetrachloroethene	8.23	164	150099	46.473	ug/l	96
65) Chlorobenzene	9.12	112	495489	48.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	164065	46.946	ug/l	99
67) Ethyl Benzene	9.25	91	916525	47.730	ug/l	98
68) m/p-Xylenes	9.37	106	672483	97.298	ug/l	98
69) o-Xylene	9.78	106	329440	47.948	ug/l	97
70) Styrene	9.79	104	540593	48.785	ug/l	100
71) Bromoform	9.96	173	135385	46.090	ug/l #	97
73) Isopropylbenzene	10.16	105	878555	45.950	ug/l	100
74) N-amyl acetate	10.01	43	518494	43.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	348852	44.369	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	309742m	45.436	ug/l	
77) Bromobenzene	10.45	156	205499	45.614	ug/l	94
78) n-propylbenzene	10.58	91	1089560	46.194	ug/l	99
79) 2-Chlorotoluene	10.66	91	628170	45.178	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	740787	45.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	109325m	42.570	ug/l	
82) 4-Chlorotoluene	10.77	91	732517	45.725	ug/l	99
83) tert-Butylbenzene	11.10	119	695996	46.339	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	750857	46.010	ug/l	98
85) sec-Butylbenzene	11.32	105	907805	46.535	ug/l	100
86) p-Isopropyltoluene	11.48	119	760590	47.417	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	380713	46.333	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	386258	46.709	ug/l	99
89) n-Butylbenzene	11.89	91	782515	49.429	ug/l	99
90) Hexachloroethane	12.14	117	113140	45.179	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	378681	46.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75901	43.400	ug/l	94

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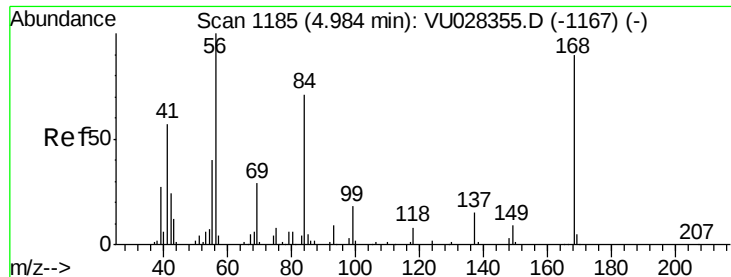
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QLast Update : Thu Nov 29 01:04:49 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	273078	50.889	ug/l	98
94) Hexachlorobutadiene	13.69	225	120803	47.675	ug/l	97
95) Naphthalene	13.74	128	951276	46.206	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	271880	50.095	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 281281

Ion Ratio Lower Upper

168 100

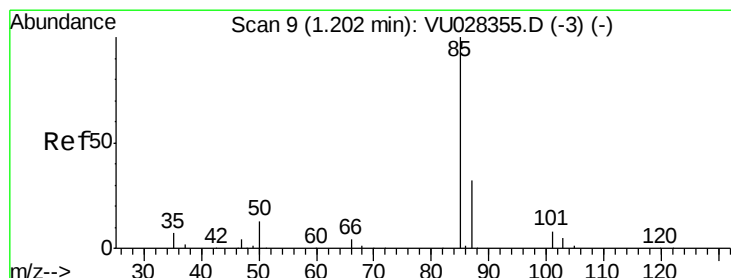
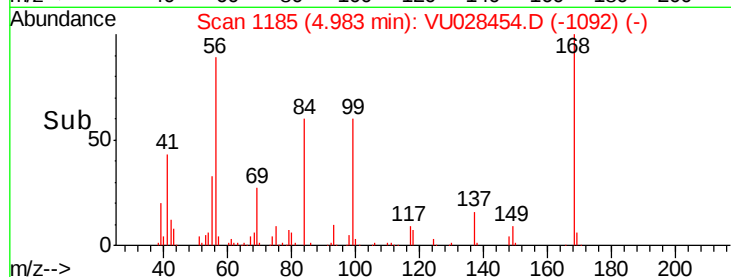
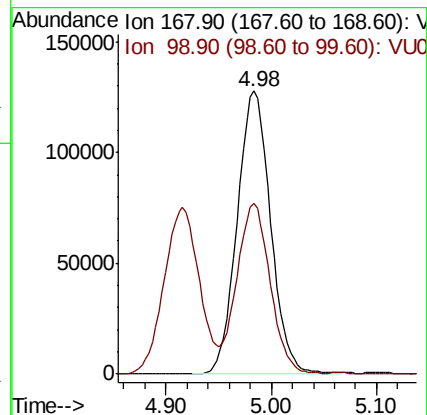
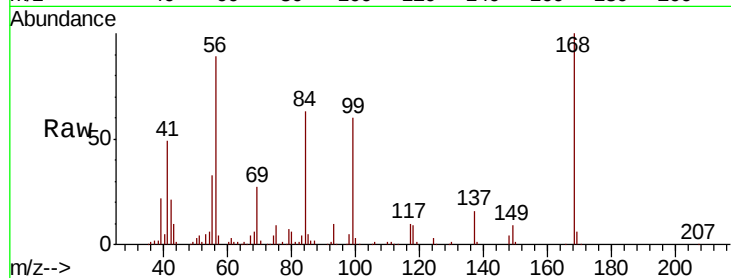
99 59.9 49.6 74.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.847 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028454.D

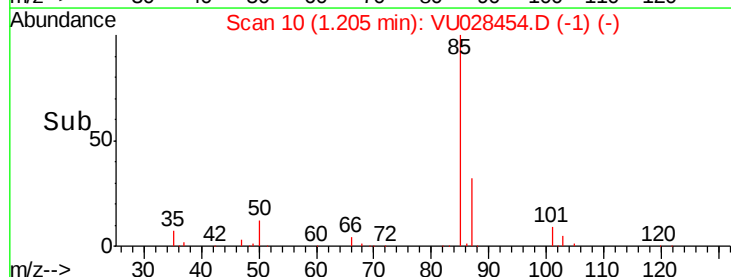
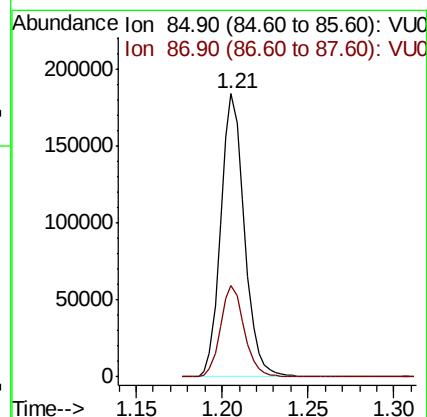
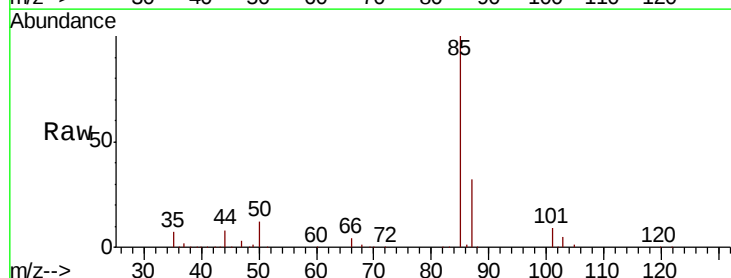
Acq: 03 Dec 2018 20:11

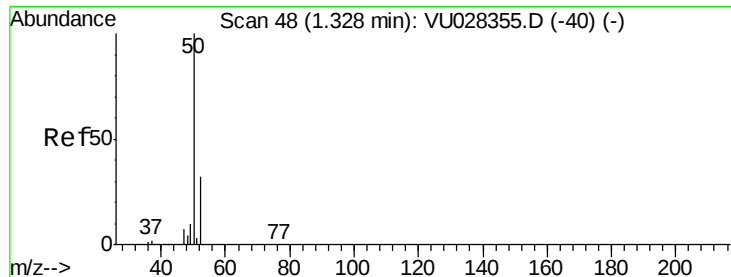
Tgt Ion: 85 Resp: 176768

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7





#3

Chloromethane

Concen: 43.326 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 316882

Ion Ratio Lower Upper

50 100

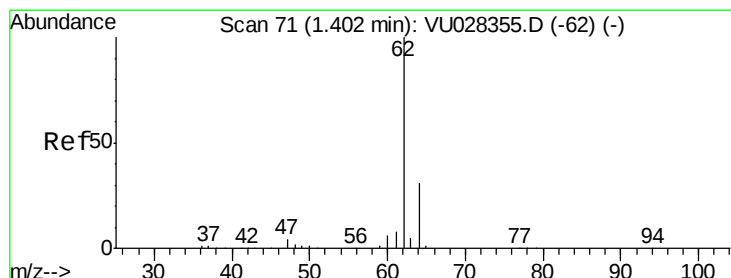
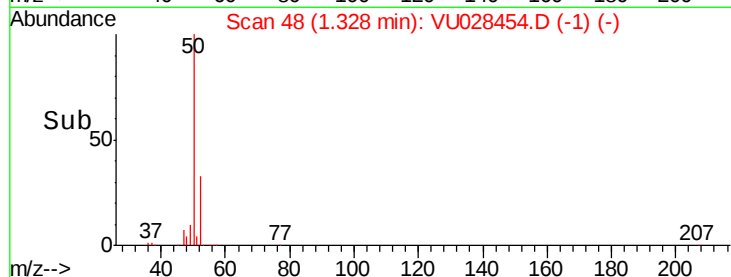
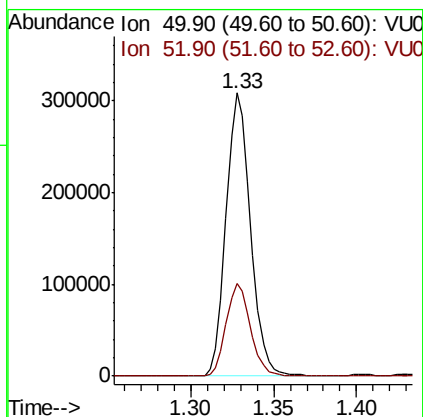
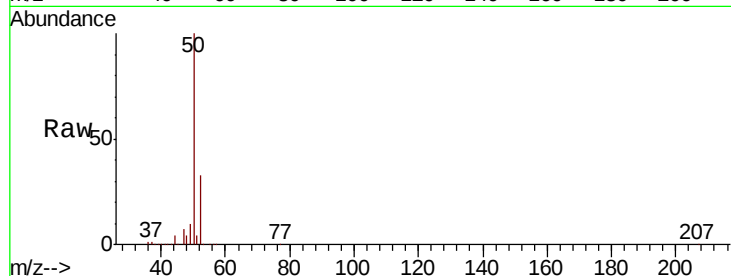
52 32.6 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.659 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028454.D

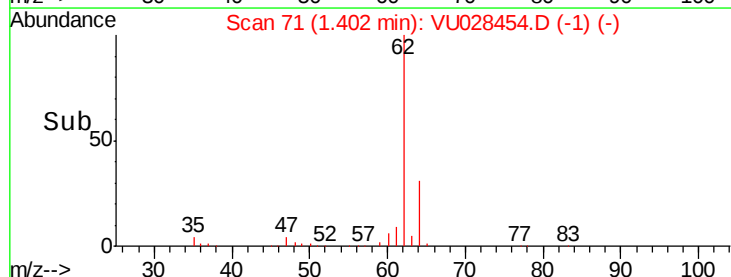
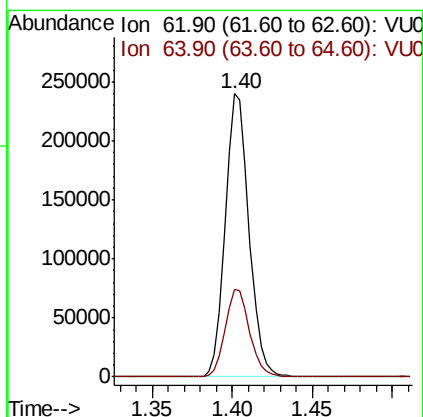
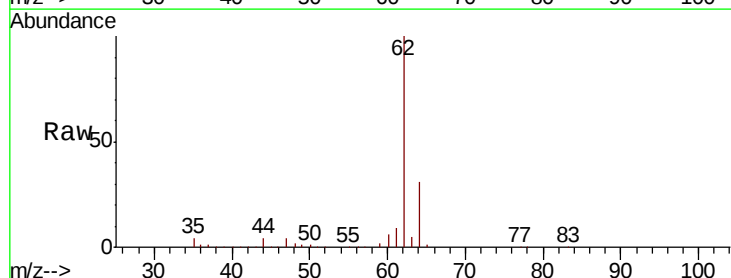
Acq: 03 Dec 2018 20:11

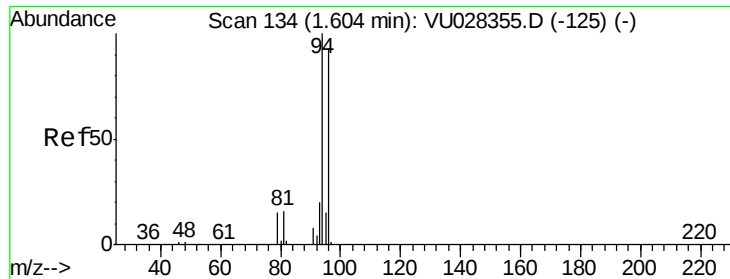
Tgt Ion: 62 Resp: 243884

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 46.191 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91421

Ion Ratio Lower Upper

94 100

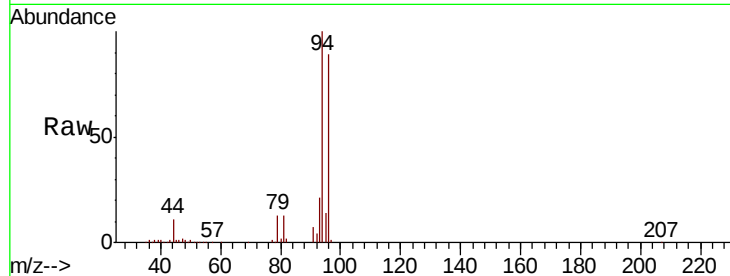
96 89.5 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

80000

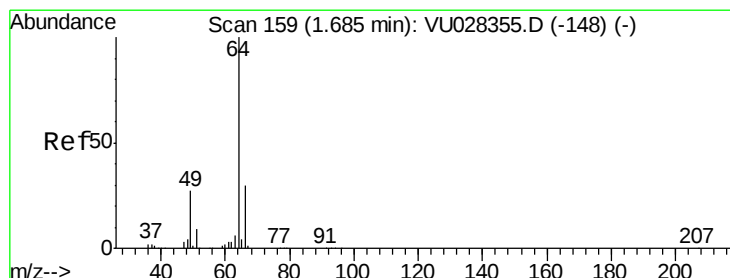
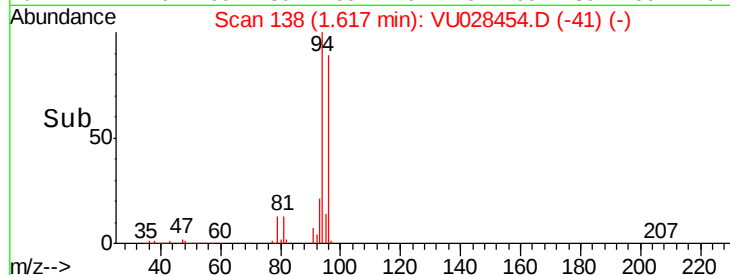
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.939 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028454.D

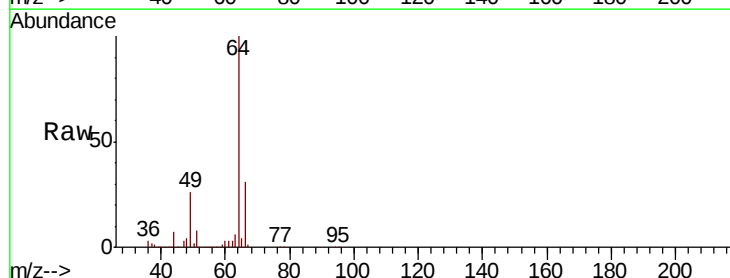
Acq: 03 Dec 2018 20:11

Tgt Ion: 64 Resp: 144105

Ion Ratio Lower Upper

64 100

66 30.8 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

120000

100000

80000

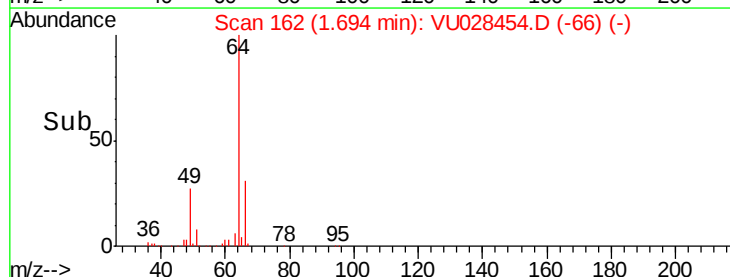
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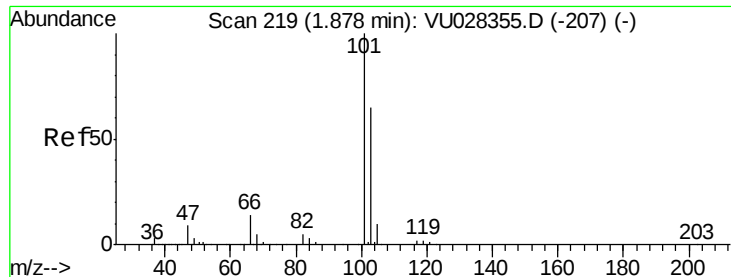
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20000

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Time-->





#7

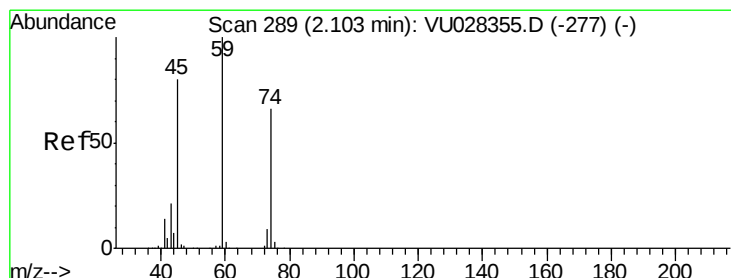
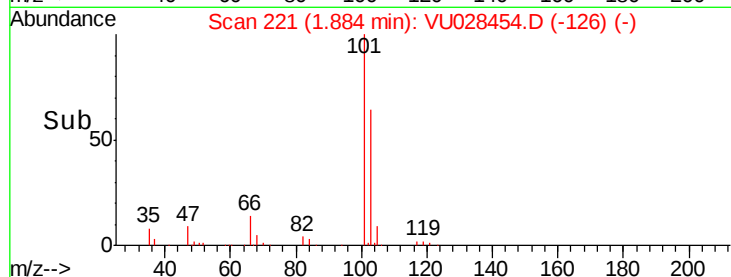
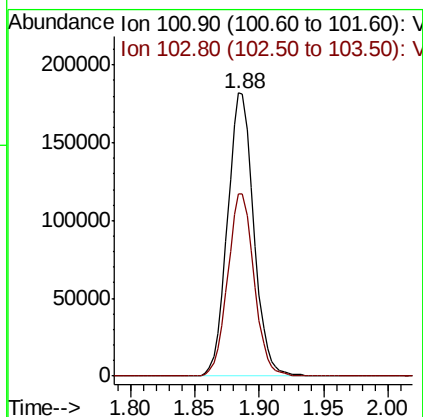
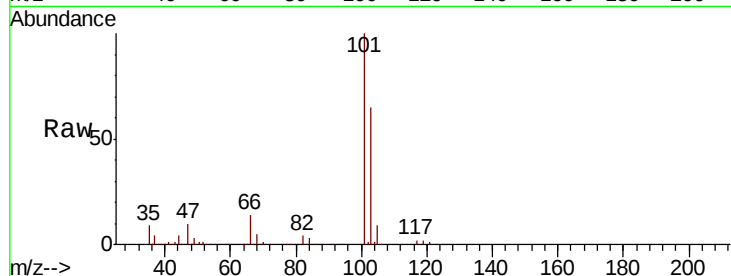
Trichlorofluoromethane
Concen: 48.235 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

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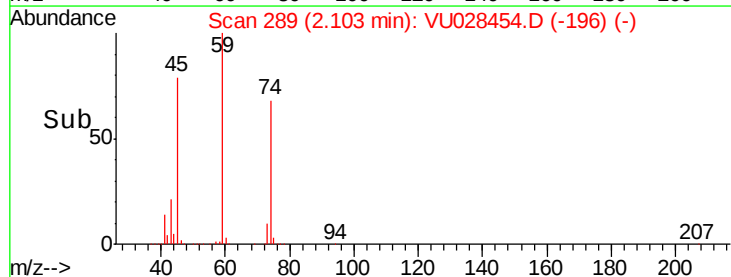
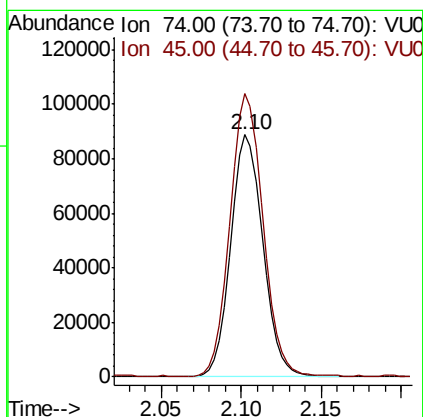
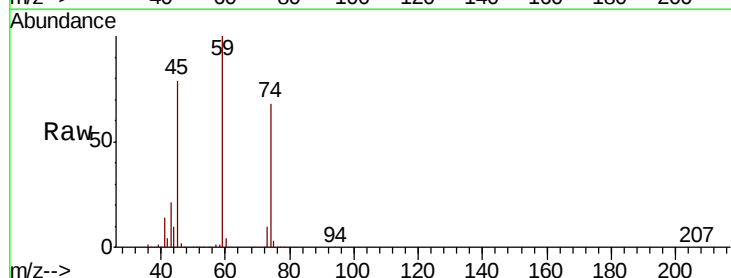
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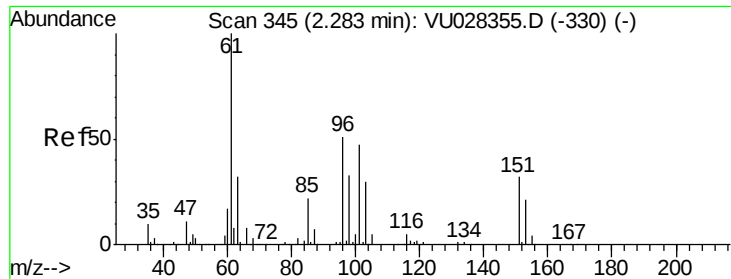


#8

Diethyl Ether
Concen: 49.194 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.2	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.460 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

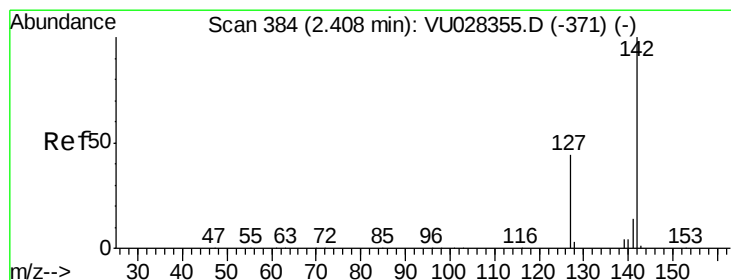
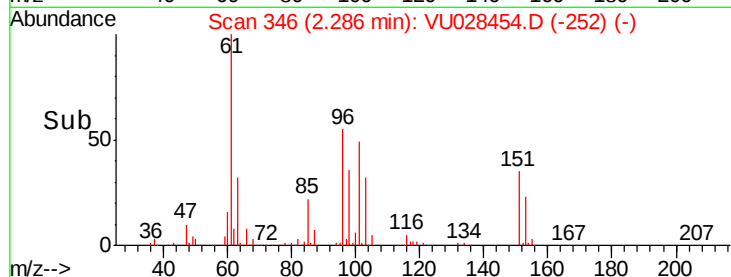
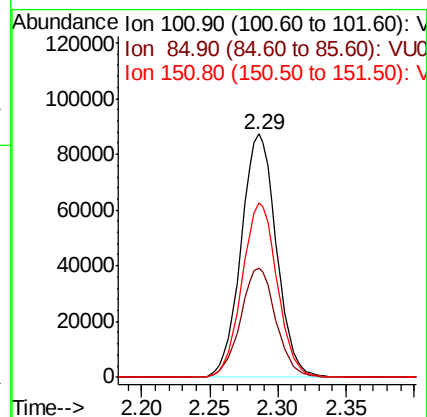
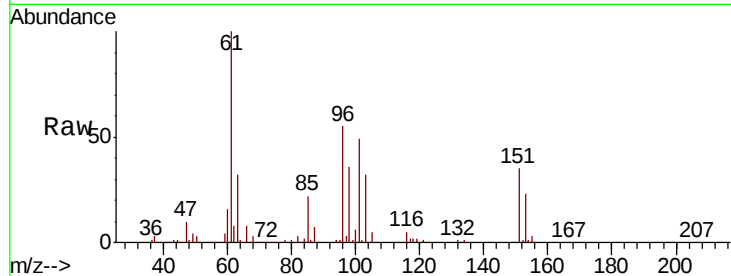
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	156247
Ion Ratio	Lower	Upper	
101	100		
85	45.0	37.2	55.8
151	71.5	55.4	83.0

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MMDadoda
12/4/2018 11:18:37 AM



#10

Methyl Iodide

Concen: 37.224 ug/l

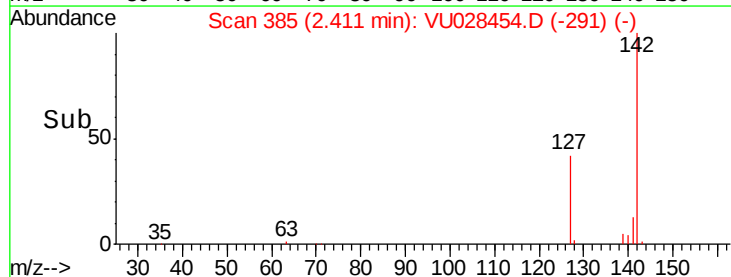
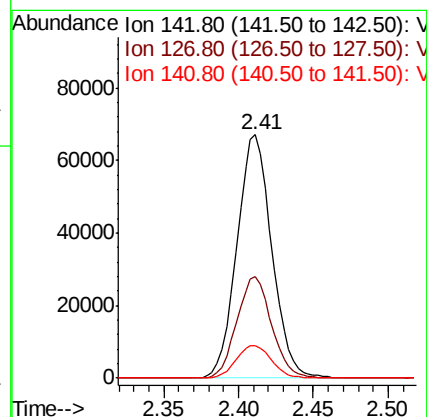
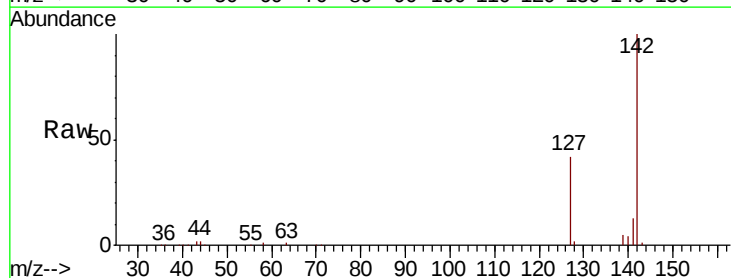
RT: 2.41 min Scan# 385

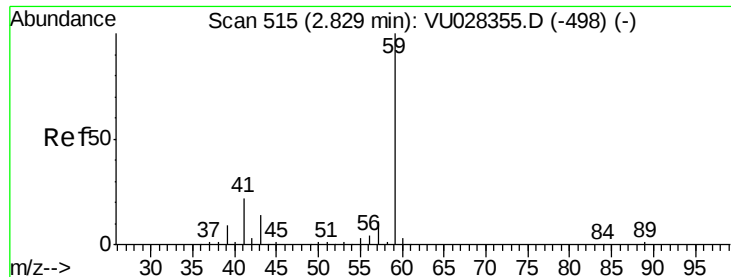
Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	142	Resp:	108693
Ion Ratio	Lower	Upper	
142	100		
127	41.6	35.0	52.6
141	13.7	11.2	16.8





#11

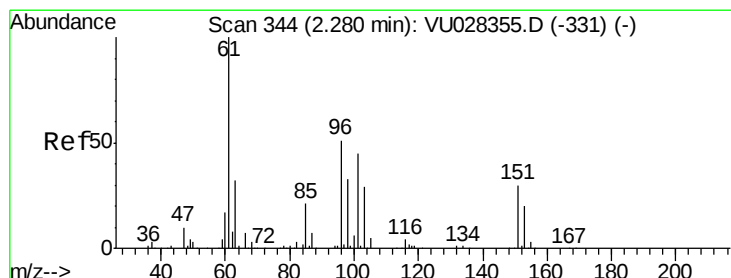
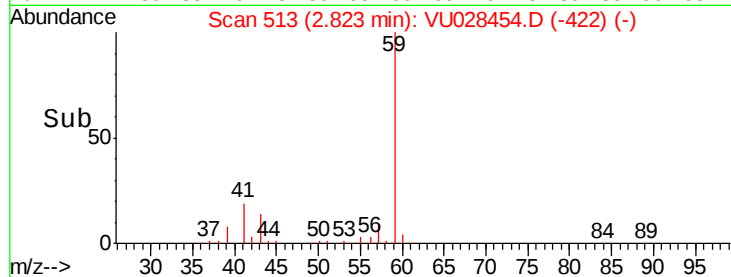
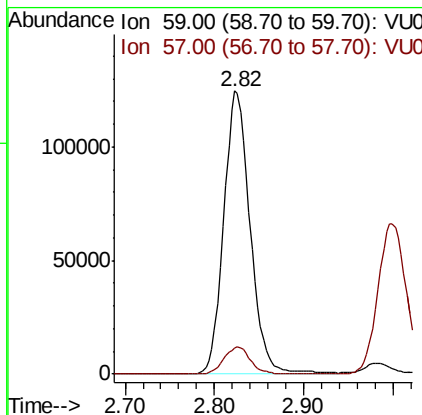
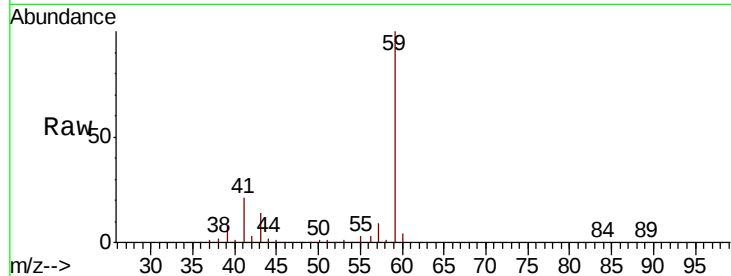
Tert butyl alcohol
Concen: 239.308 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	255572		
57	9.7		8.3	12.5

Manual Integrations
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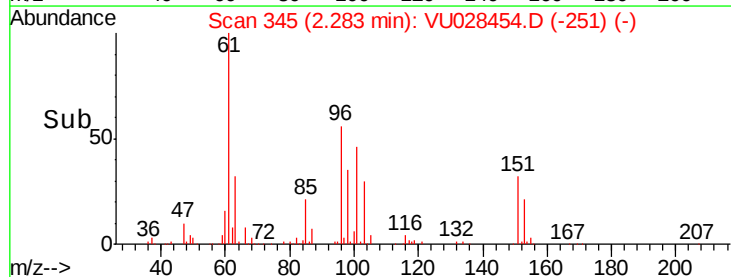
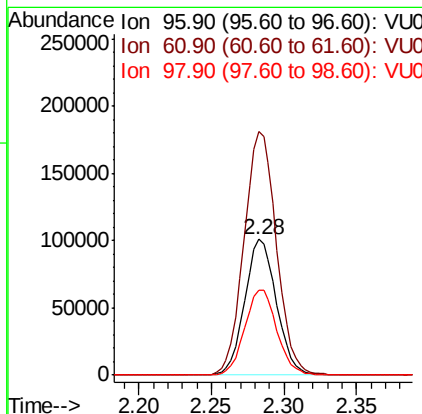
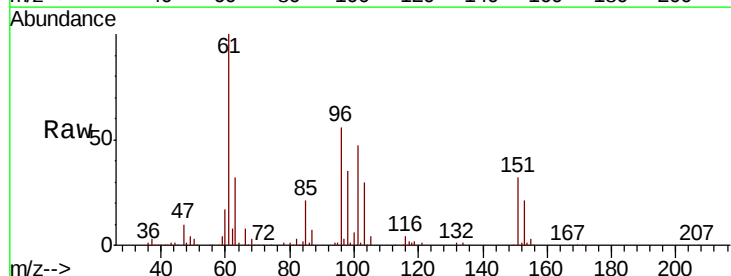
MMDadoda
12/4/2018 11:18:37 AM

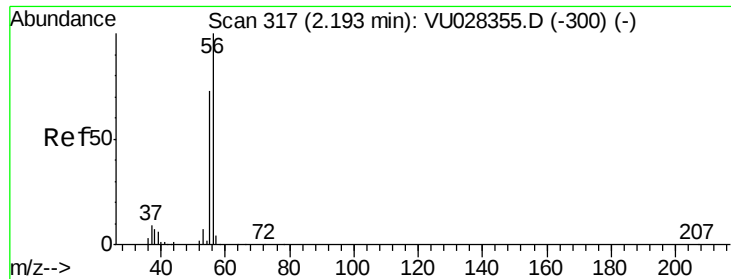


#12

1,1-Dichloroethene
Concen: 51.364 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	154345		
61	179.3		158.1	237.1
98	63.0		51.4	77.2





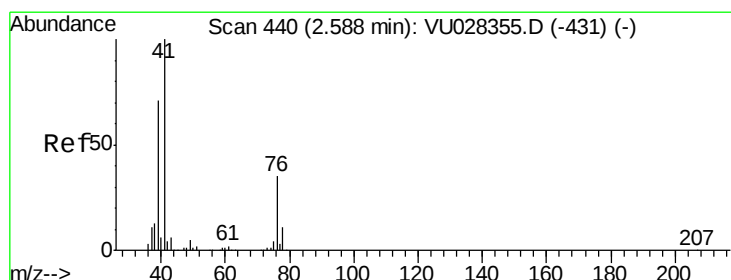
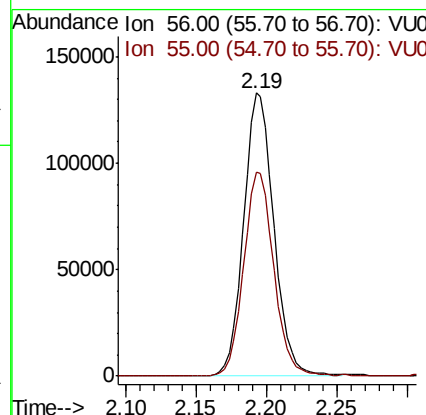
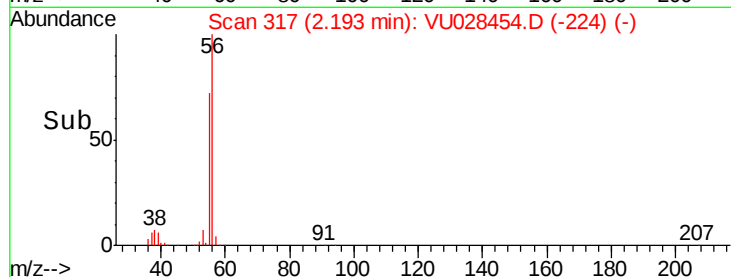
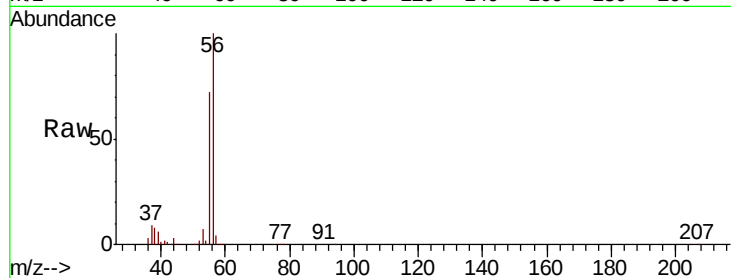
#13
Acrolein
Concen: 210.906 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.6	85.0

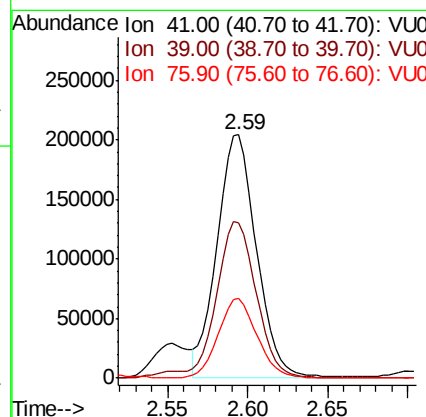
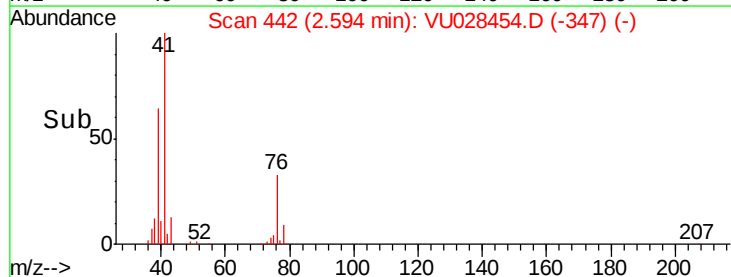
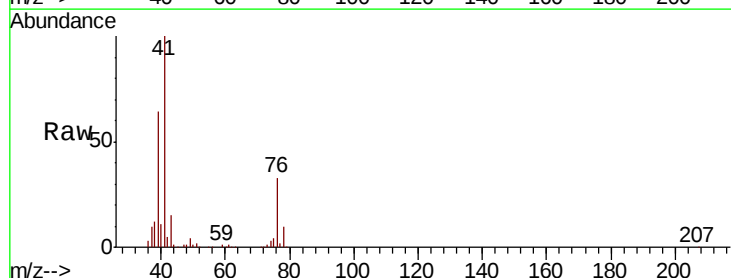
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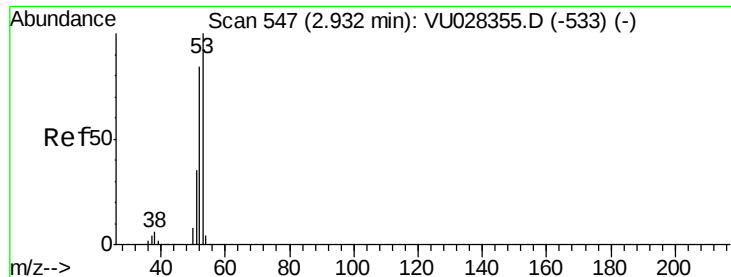
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#14
Allyl chloride
Concen: 44.234 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.6	77.4
76	31.9	24.4	36.6





#15

Acrylonitrile

Concen: 250.940 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

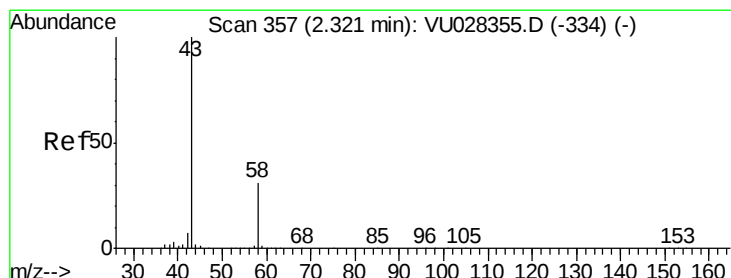
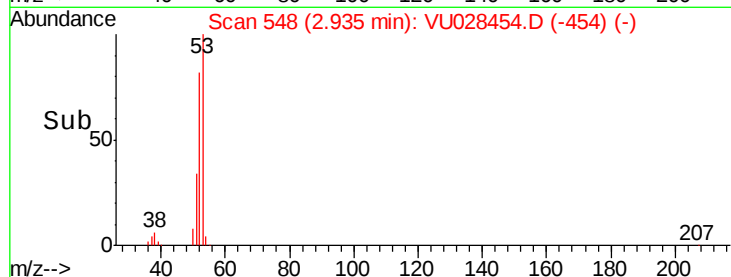
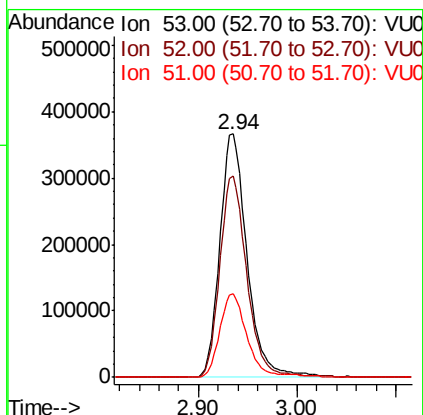
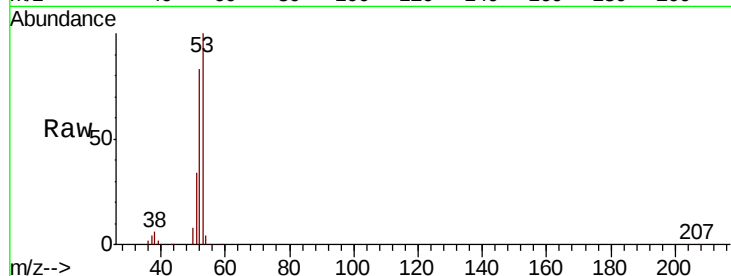
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	708899
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	34.8	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 209.043 ug/l

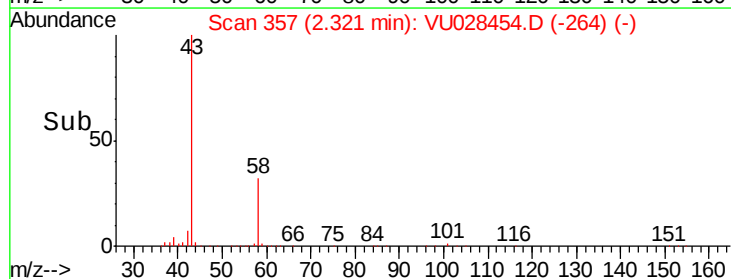
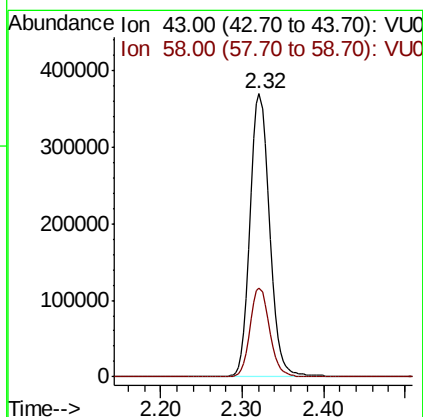
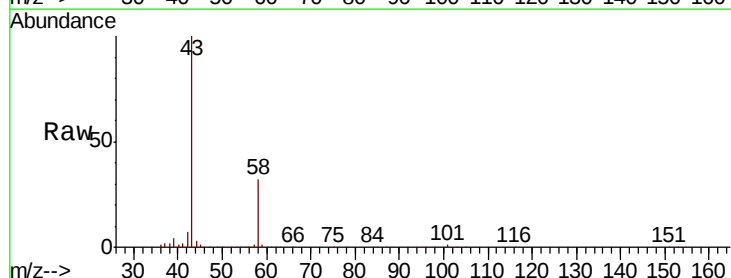
RT: 2.32 min Scan# 357

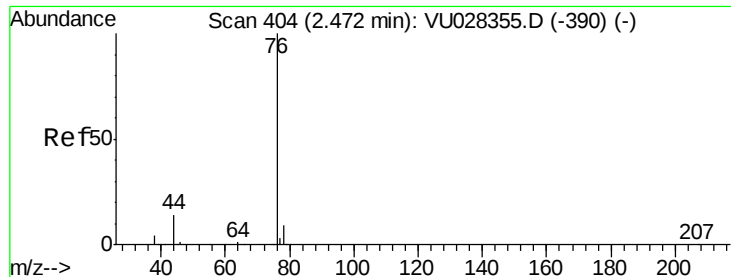
Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	43	Resp:	601137
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.4	36.6





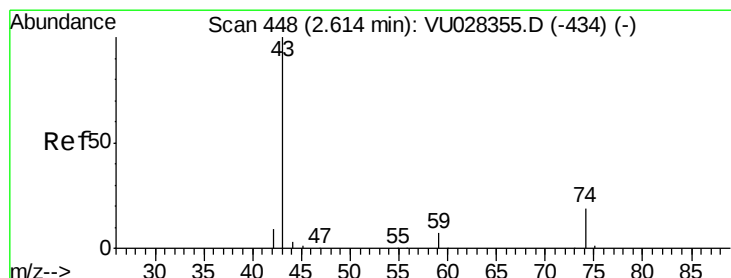
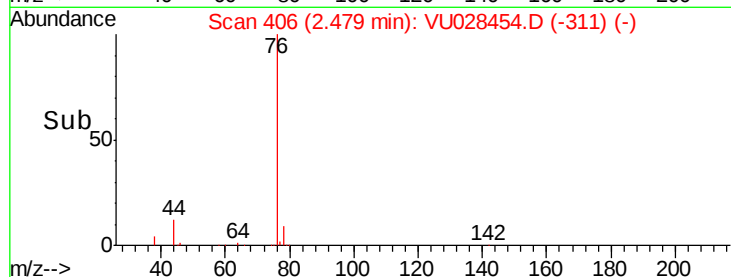
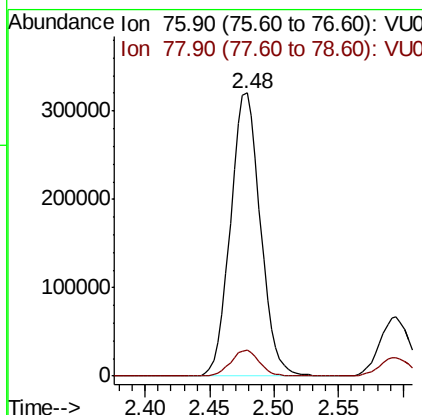
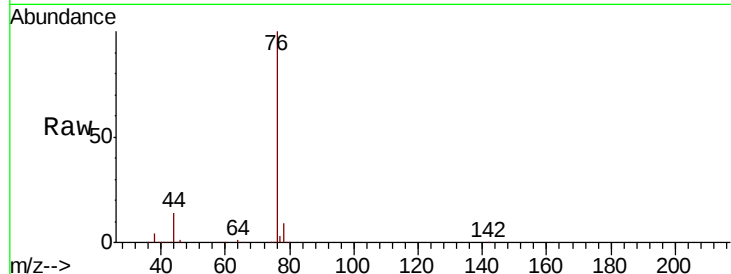
#17
Carbon Disulfide
Concen: 44.779 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

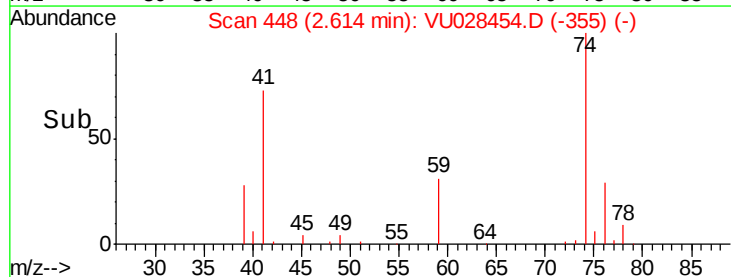
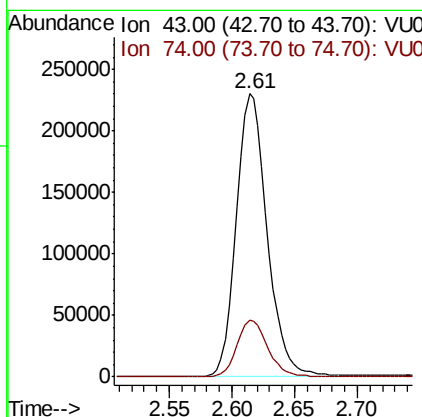
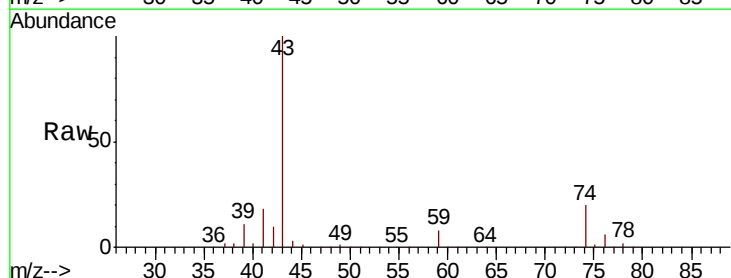
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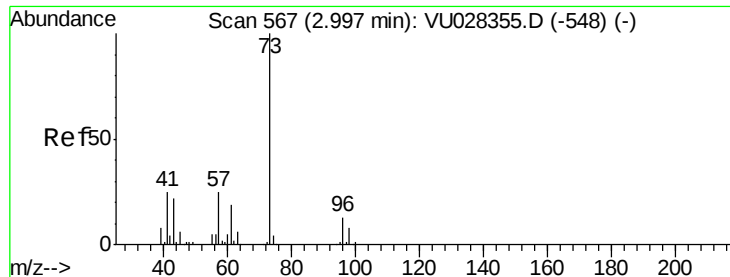
MMDadoda
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#18
Methyl Acetate
Concen: 49.137 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	15.3	22.9





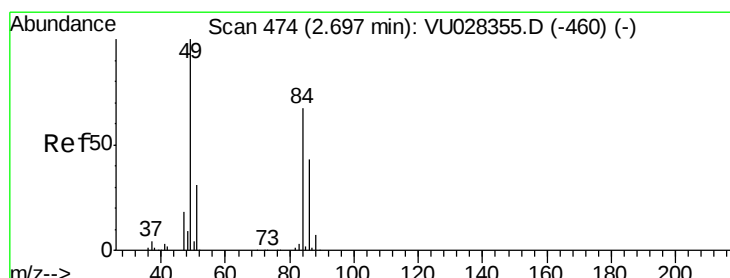
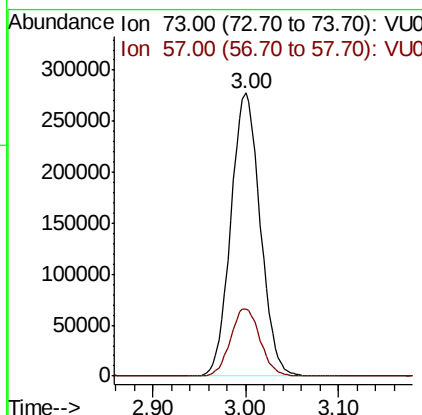
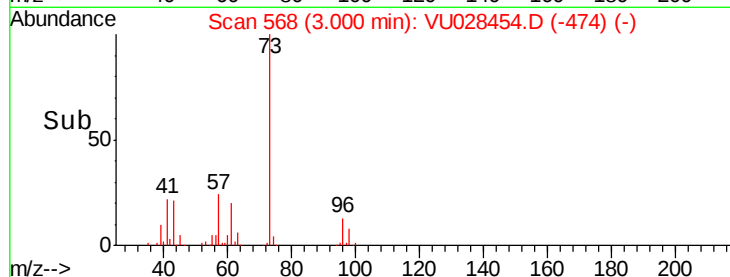
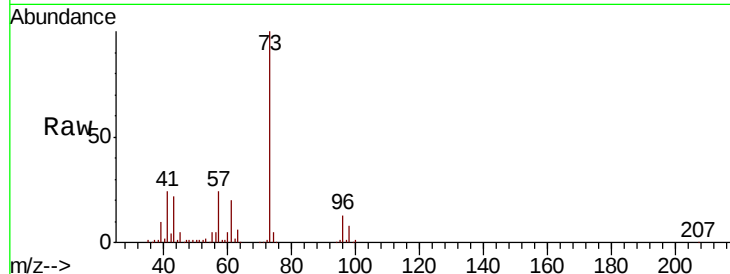
#19
Methvl tert-butvl Ether
Concen: 49.547 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 610391
Ion Ratio Lower Upper
73 100
57 23.9 20.1 30.1

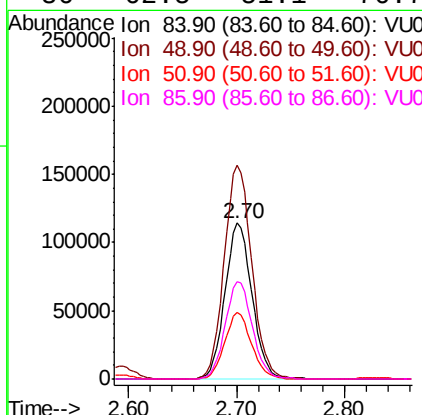
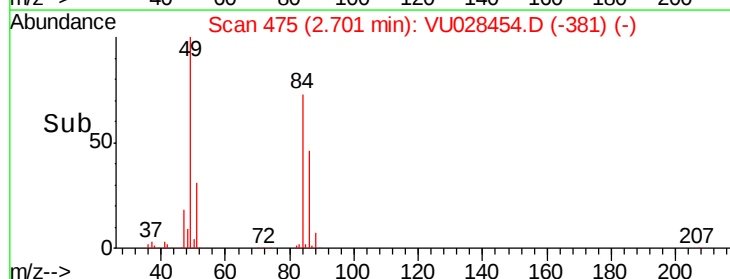
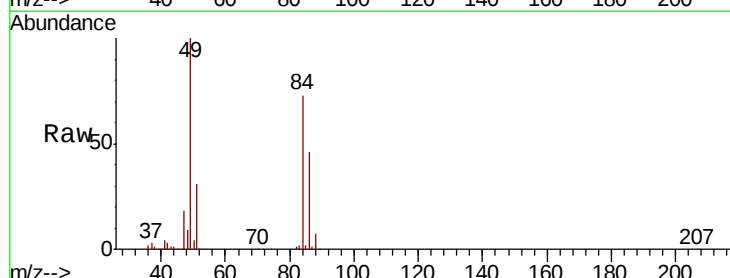
Manual Integrations
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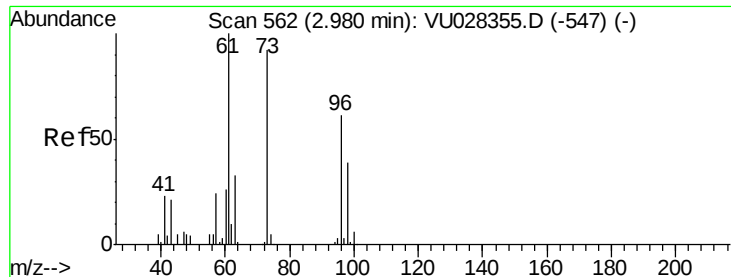
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#20
Methylene Chloride
Concen: 49.012 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 84 Resp: 198801
Ion Ratio Lower Upper
84 100
49 136.8 120.0 180.0
51 42.5 36.9 55.3
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.014 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

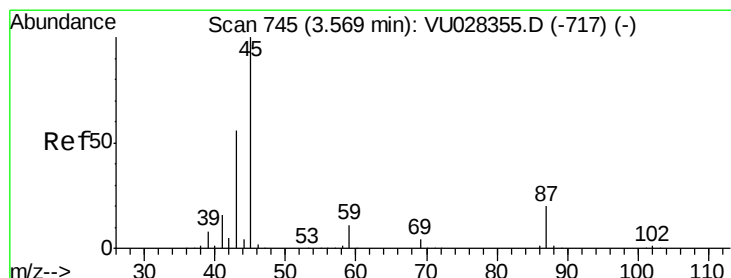
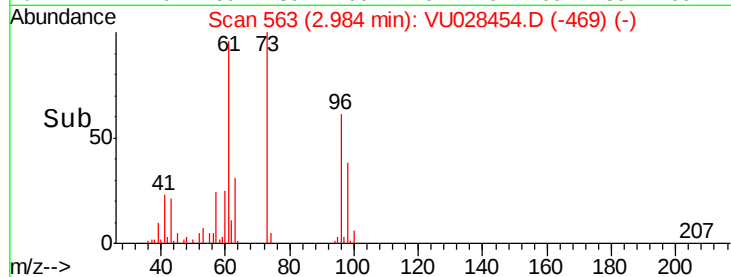
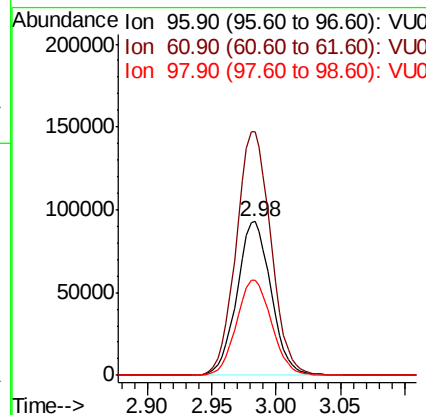
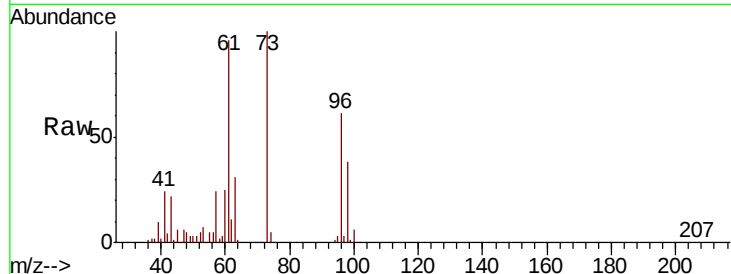
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	170811
Ion	Ratio	Lower	Upper
96	100		
61	158.2	131.1	196.7
98	61.9	51.7	77.5

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#22

Diisopropyl ether

Concen: 47.974 ug/l

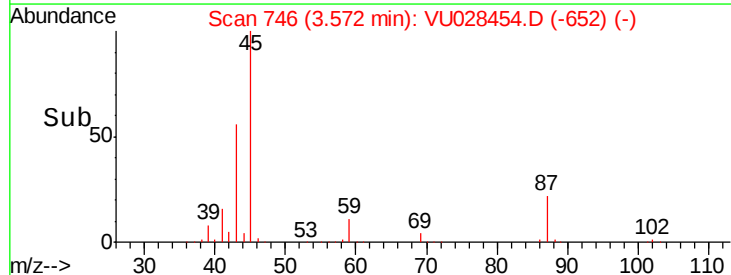
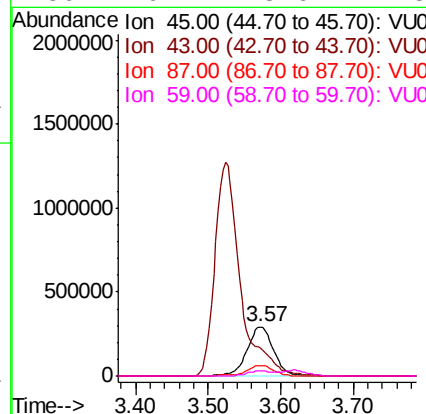
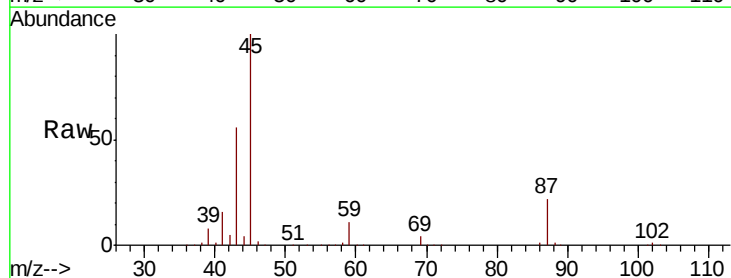
RT: 3.57 min Scan# 746

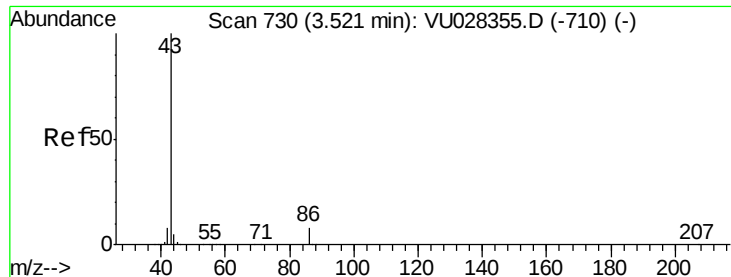
Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	45	Resp:	741530
Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.8	67.2
87	21.8	16.3	24.5
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 240.839 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3094305

Ion Ratio Lower Upper

43 100

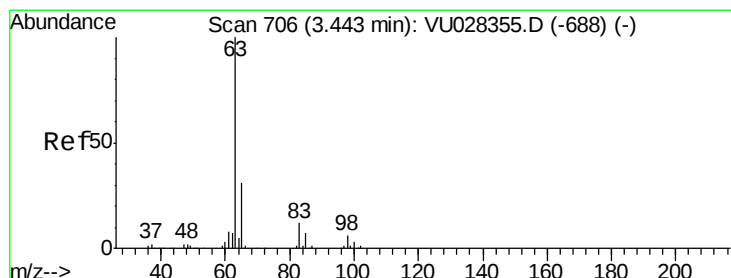
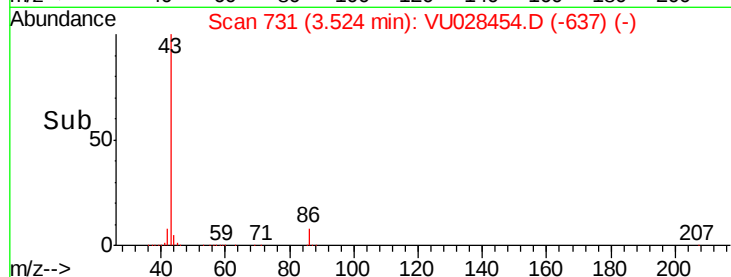
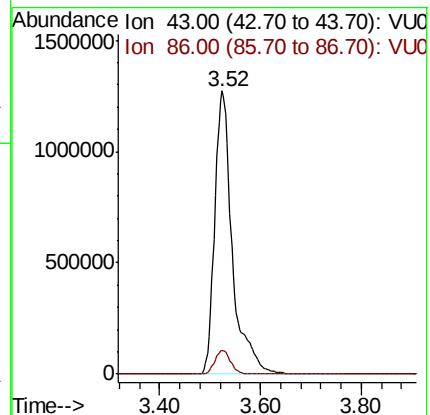
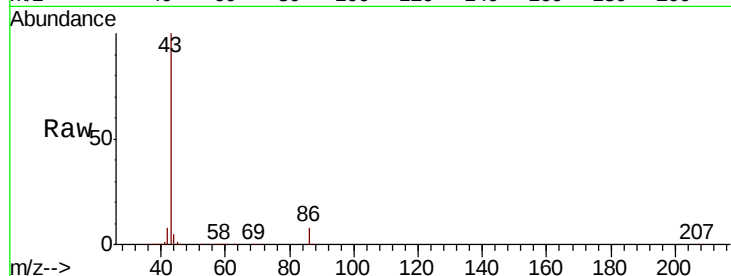
86 8.5 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.201 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

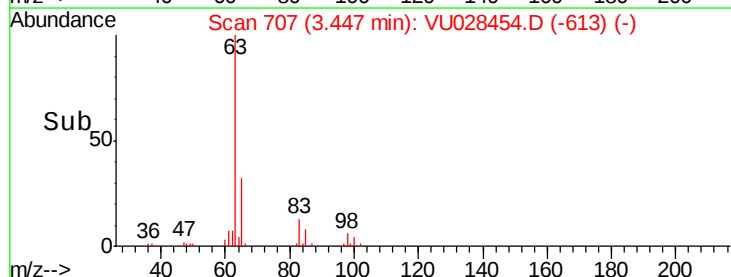
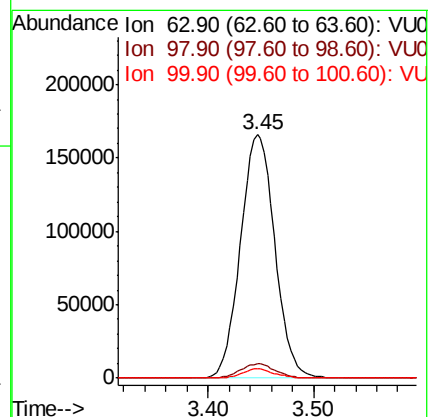
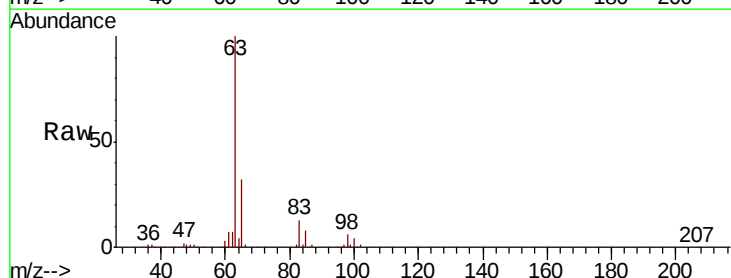
Tgt Ion: 63 Resp: 374951

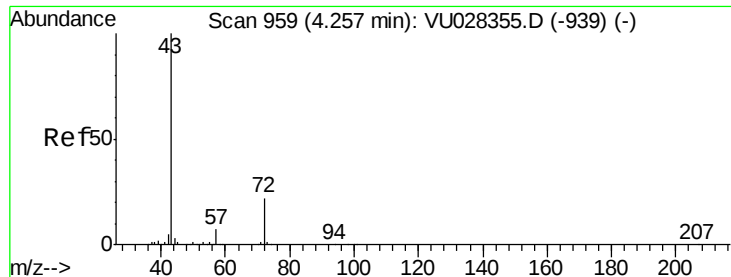
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.9 1.7 5.1





#25

2-Butanone

Concen: 237.995 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 980846

Ion Ratio Lower Upper

43 100

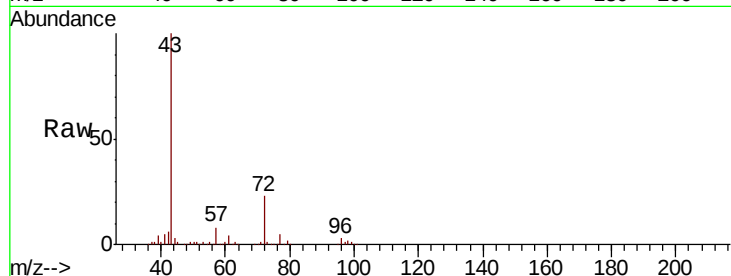
72 23.1 17.7 26.5

Manual Integrations

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12/4/2018 11:18:37 AM

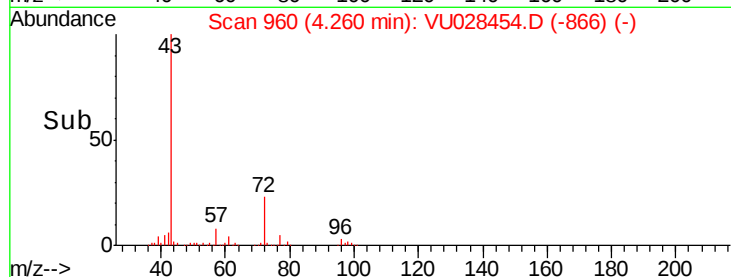


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-939) (-)

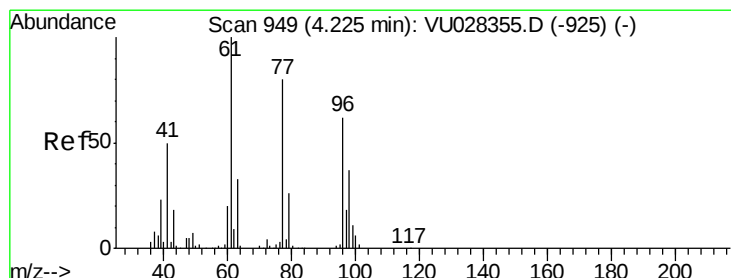
Ion 72.00 (71.70 to 72.70): VU028355.D (-939) (-)

4.26

4.26



Time-->



#26

2,2-Dichloropropane

Concen: 46.426 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028454.D

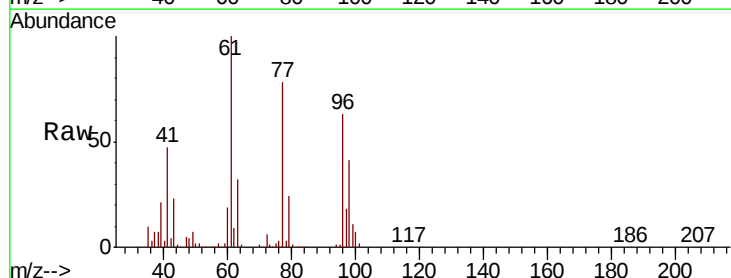
Acq: 03 Dec 2018 20:11

Tgt Ion: 77 Resp: 280986

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1

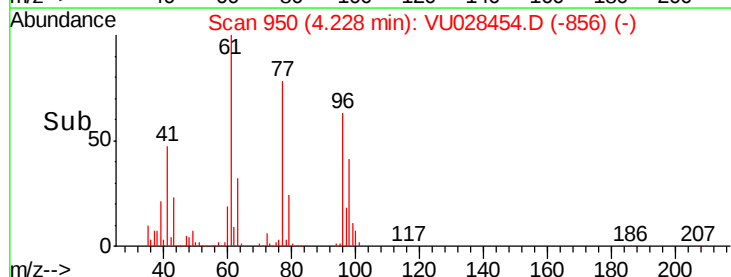


Abundance Ion 76.90 (76.60 to 77.60): VU028355.D (-925) (-)

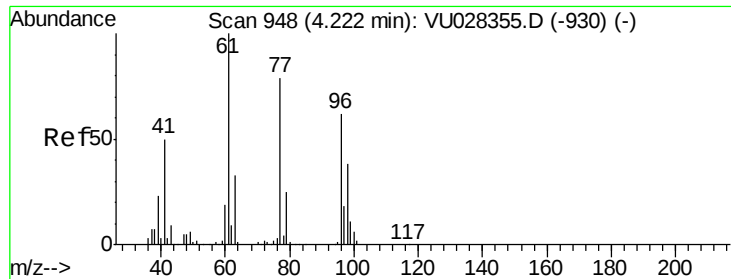
Ion 96.90 (96.60 to 97.60): VU028355.D (-925) (-)

4.23

4.23



Time-->



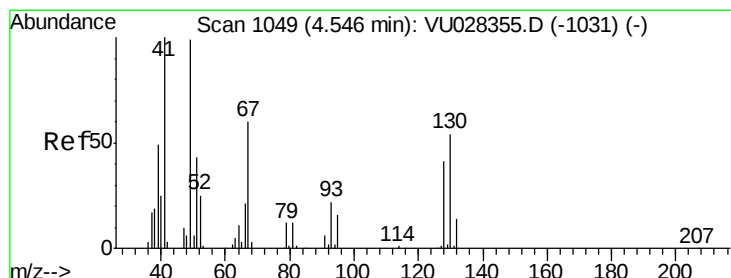
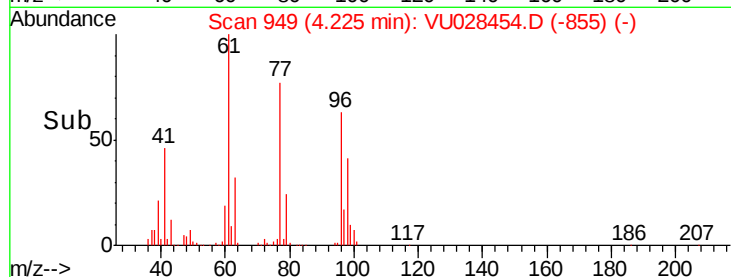
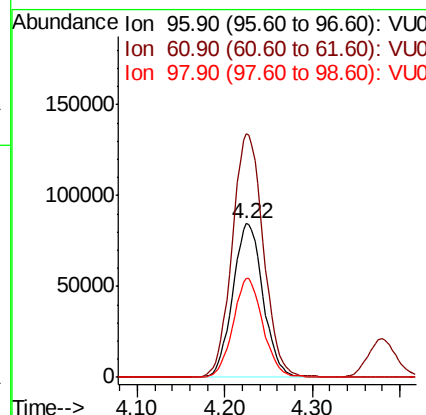
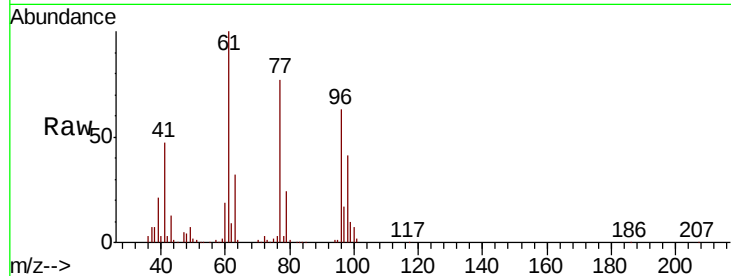
#27
 cis-1,2-Dichloroethene
 Concen: 49.403 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	203612		
61	162.6	0.0	342.0	
98	63.0	0.0	126.4	

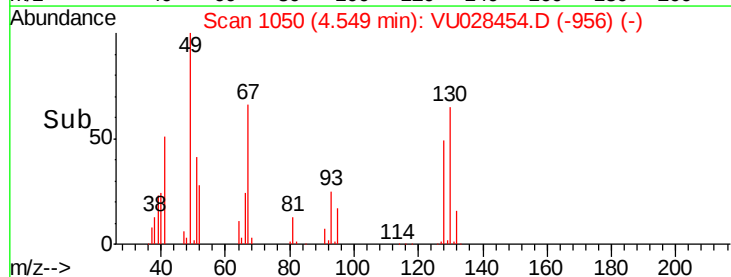
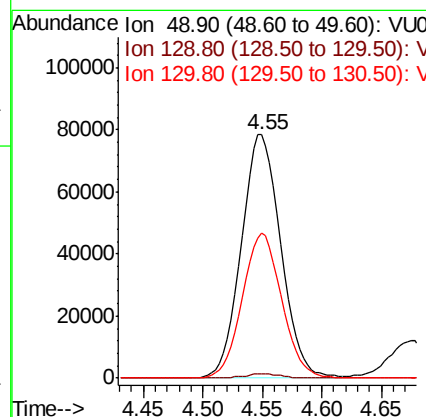
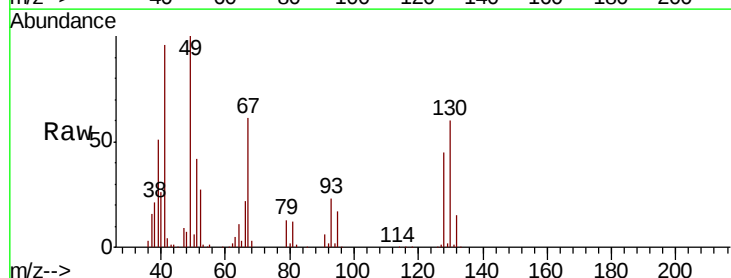
Manual Integrations
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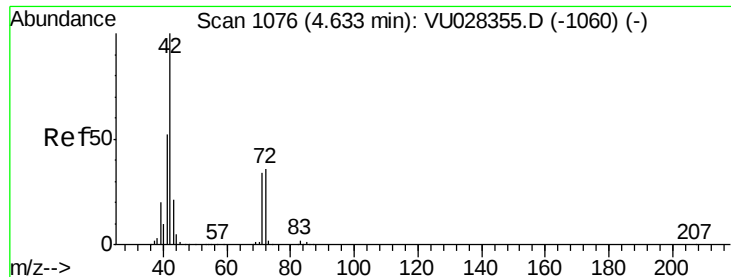
MMDadoda
 12/4/2018 11:18:37 AM



#28
 Bromochloromethane
 Concen: 47.376 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180530		
129	1.6	0.0	2.6	
130	59.4	44.5	66.7	





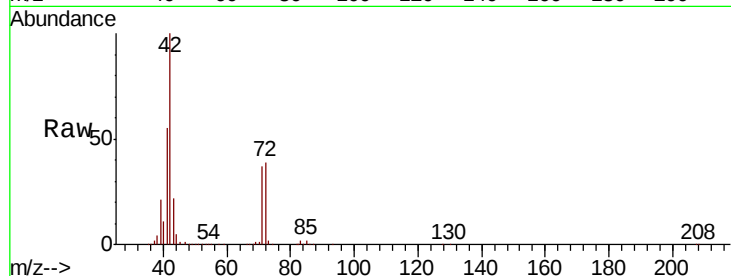
#29
Tetrahydrofuran
Concen: 245.832 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

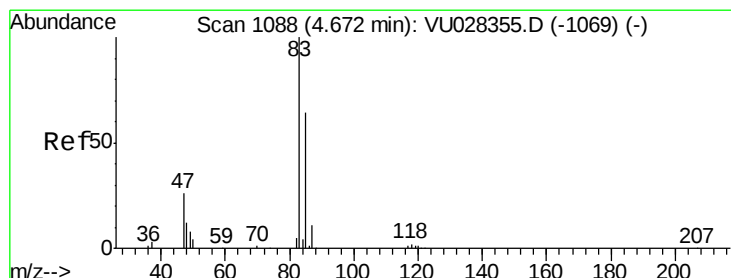
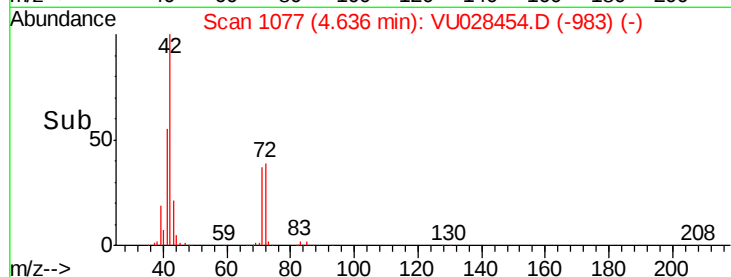
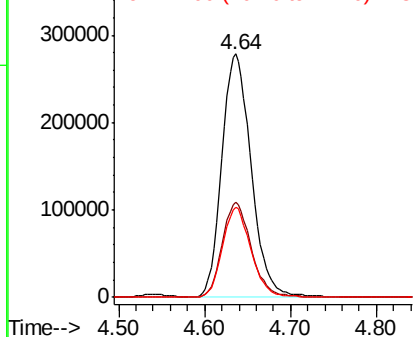
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	29.5	44.3
71	36.3	27.7	41.5

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12/4/2018 11:18:37 AM

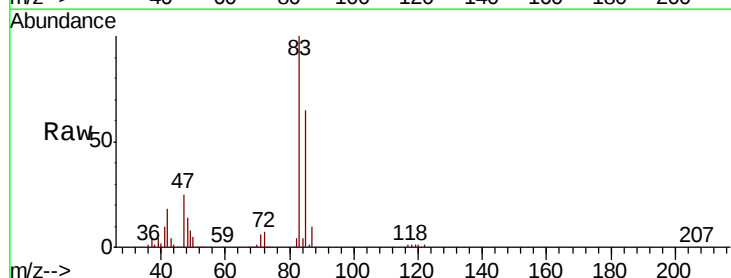


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

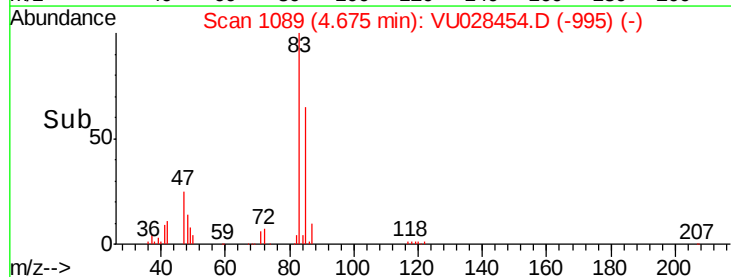
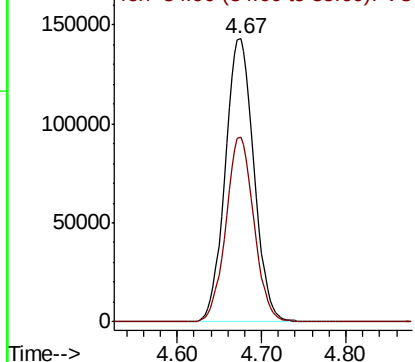


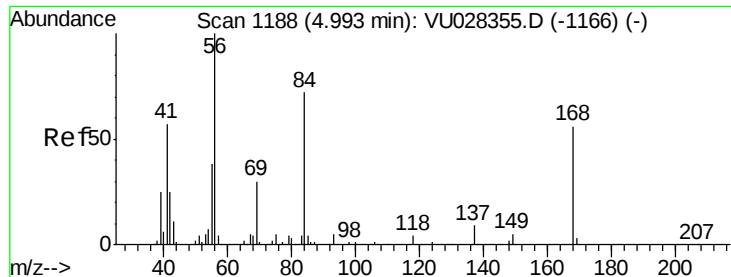
#30
Chloroform
Concen: 47.979 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.2	76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





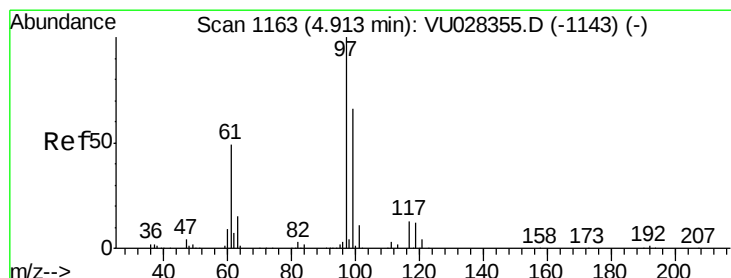
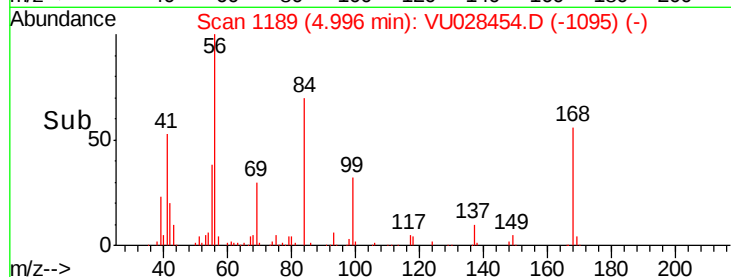
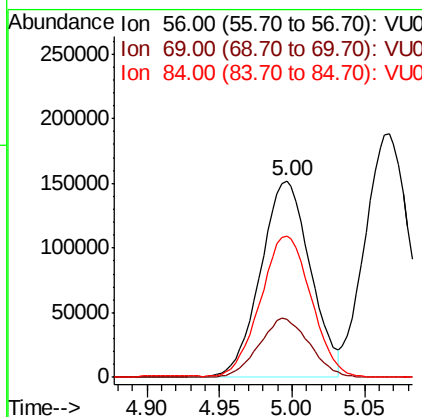
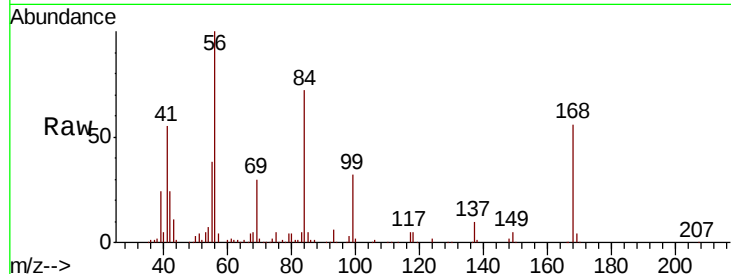
#31
Cyclohexane
Concen: 46.386 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	71.1	57.3	85.9

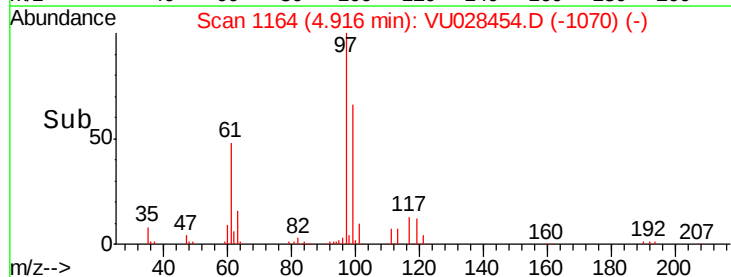
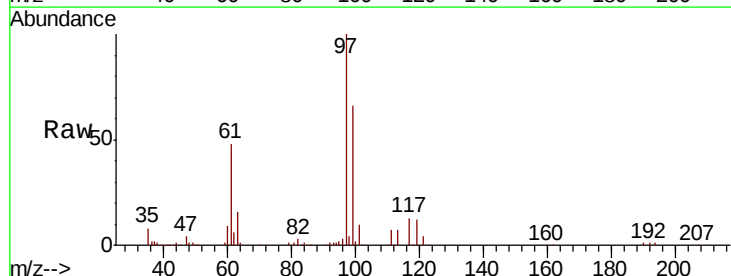
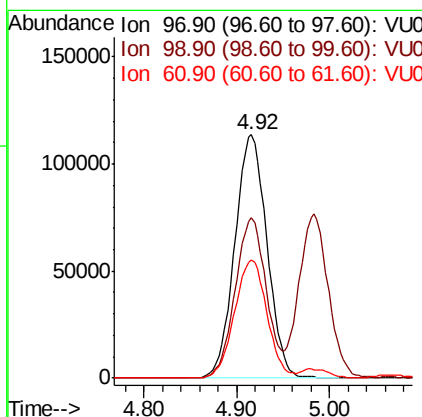
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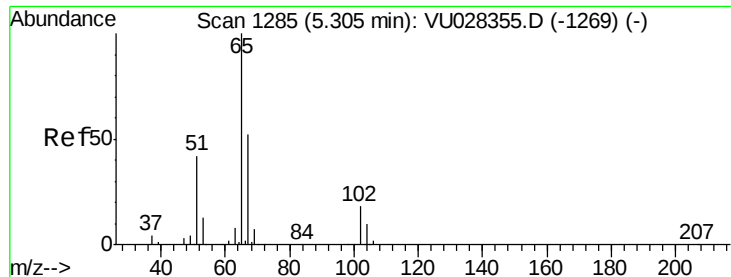
MMDadoda
12/4/2018 11:18:37 AM



#32
1,1,1-Trichloroethane
Concen: 48.537 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	48.9	39.1	58.7





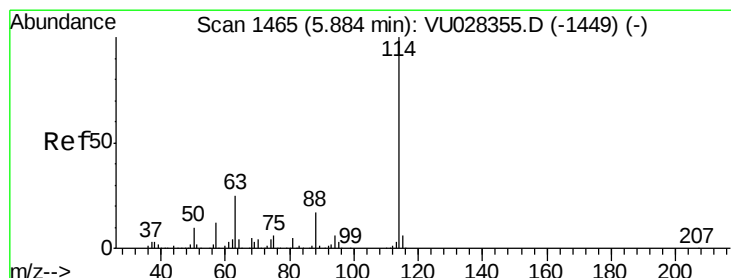
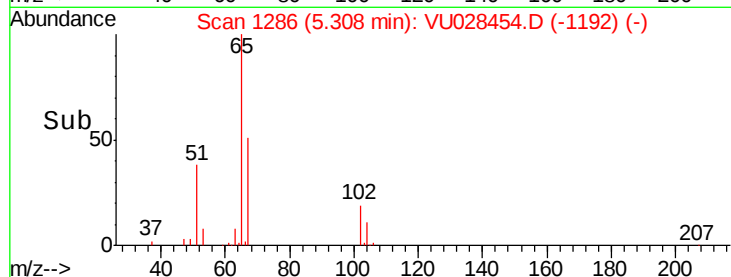
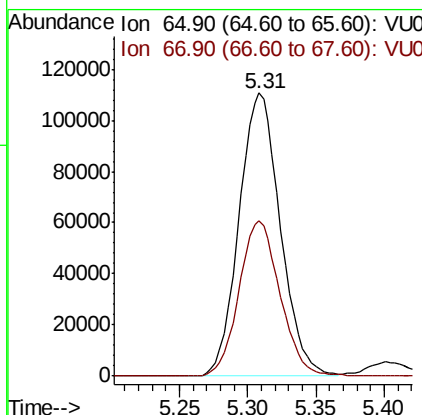
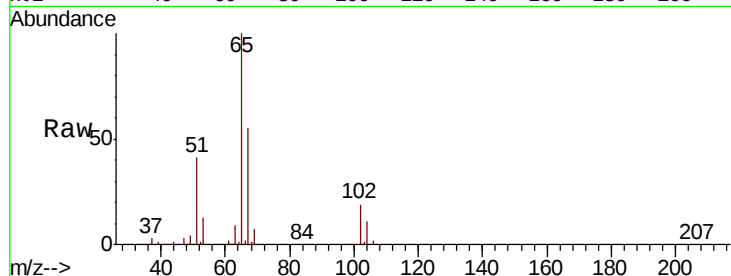
#33
 1,2-Dichloroethane-d4
 Concen: 49.422 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	232327		
67	54.7	0.0	106.8	

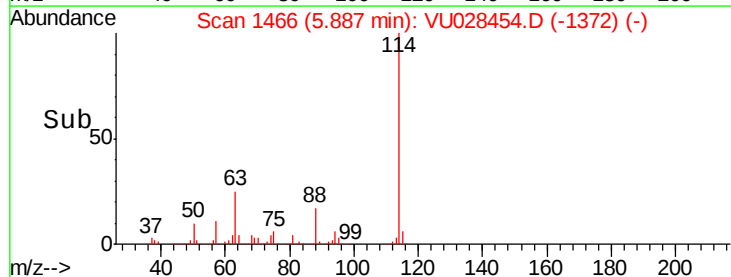
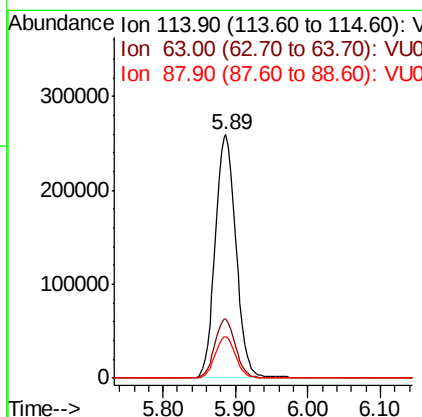
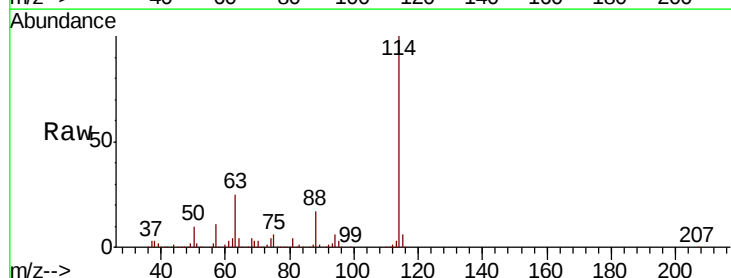
Manual Integrations
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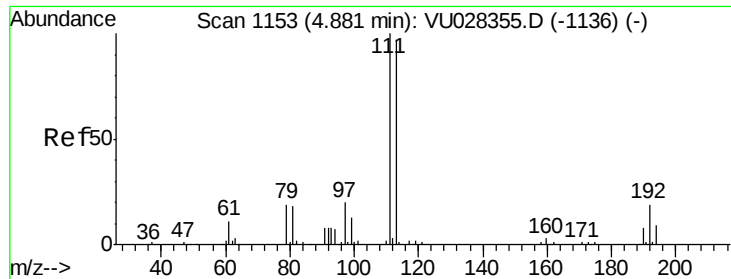
MMDadoda
 12/4/2018 11:18:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514363		
63	24.5	0.0	50.0	
88	17.1	0.0	34.4	





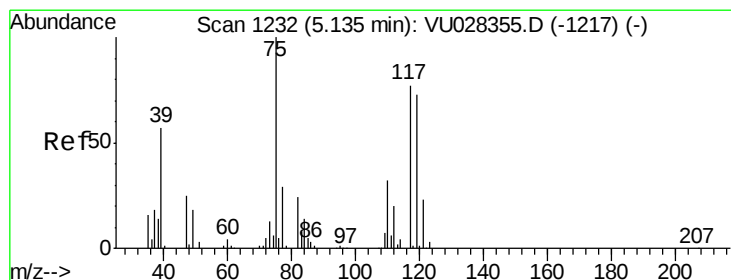
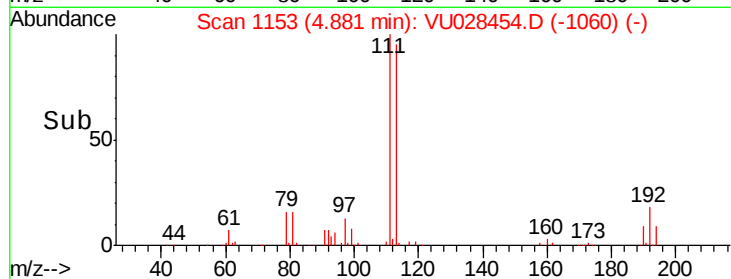
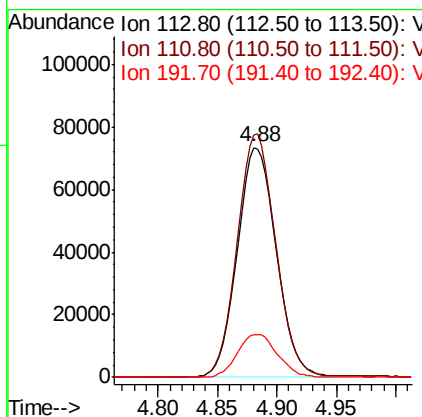
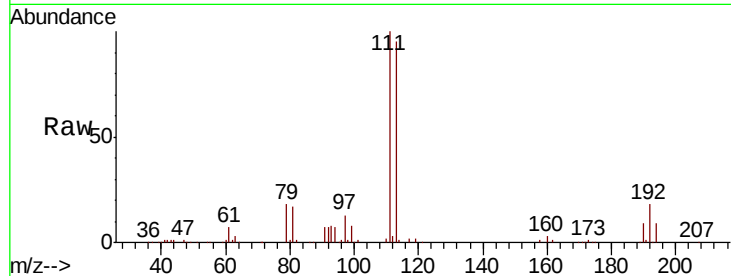
#35
 Dibromofluoromethane
 Concen: 48.964 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167472		
111	104.2	82.9	124.3	
192	19.2	15.4	23.0	

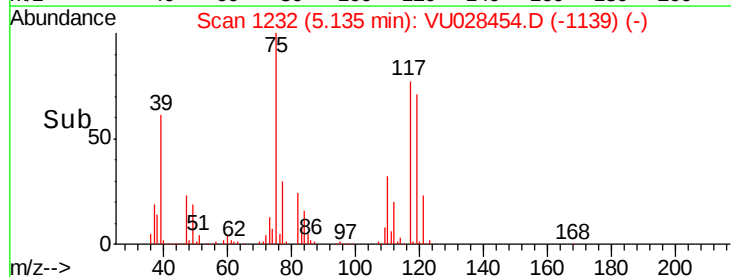
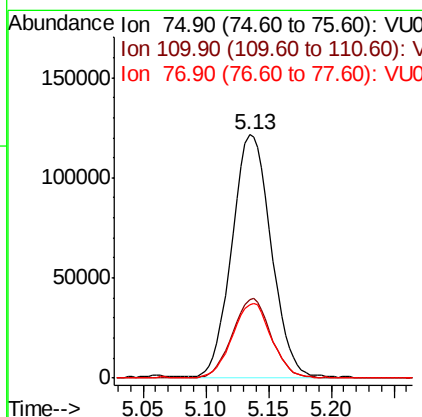
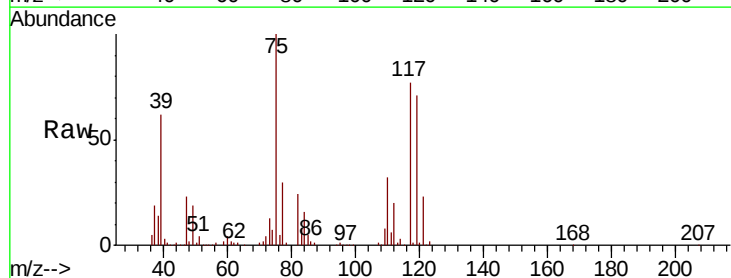
Manual Integrations
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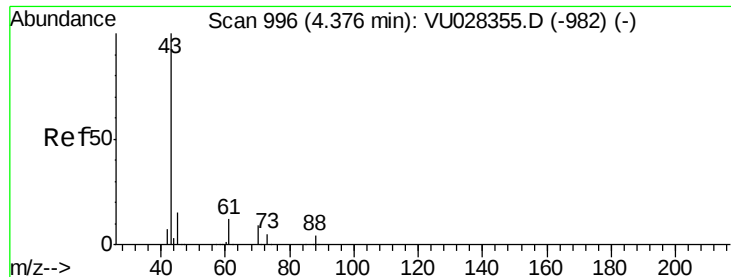
MMDadoda
 12/4/2018 11:18:37 AM



#36
 1,1-Dichloropropene
 Concen: 46.660 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262633		
110	32.6	15.8	47.4	
77	30.7	24.6	36.8	





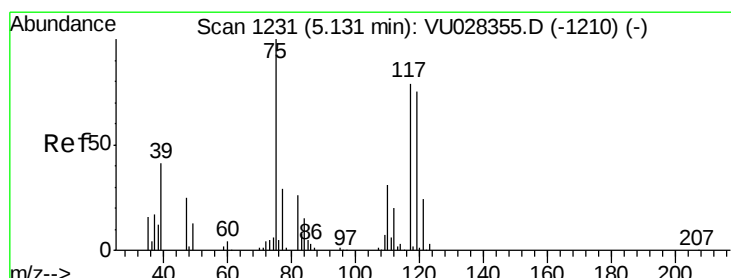
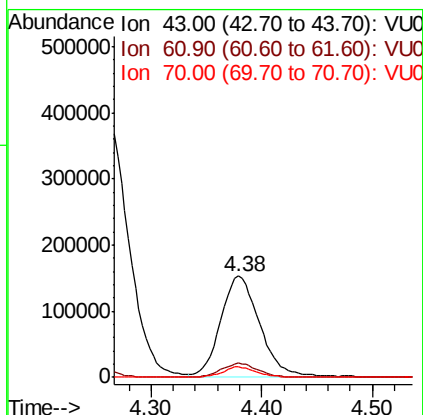
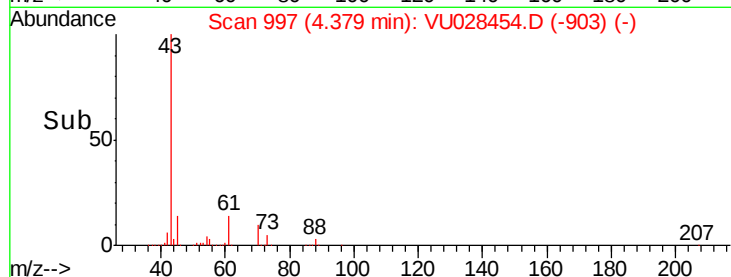
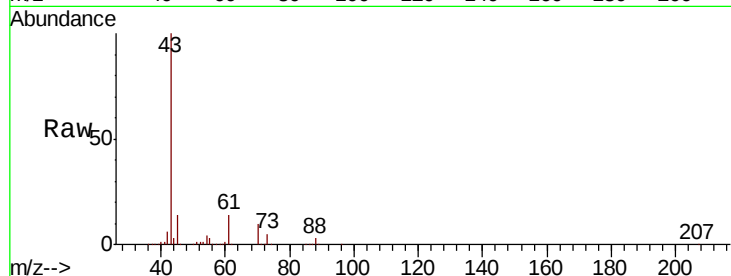
#37
Ethyl Acetate
Concen: 48.124 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.4
70	9.1	6.9	10.3

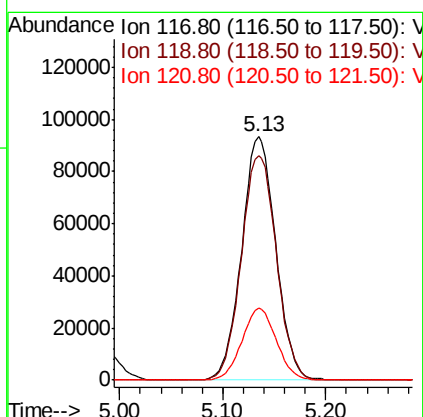
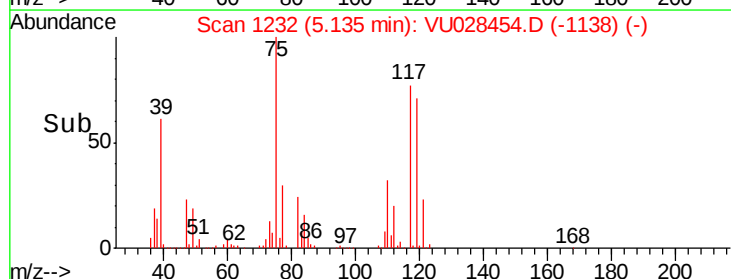
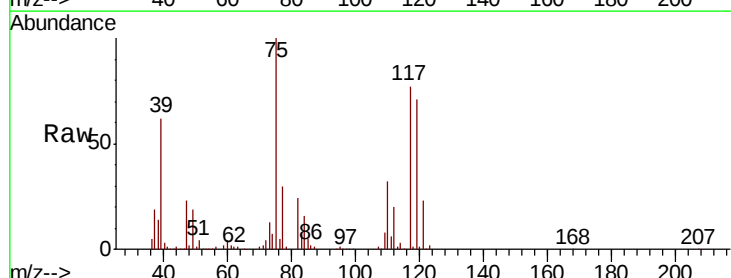
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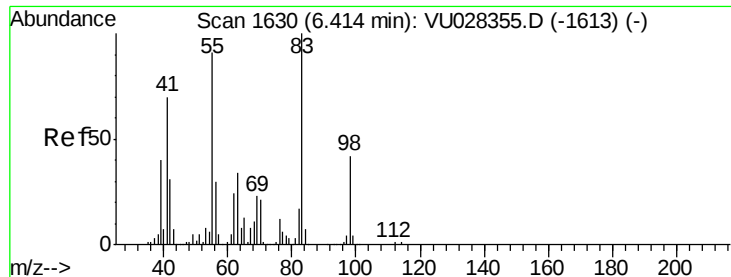
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.335 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.3	114.5
121	29.5	24.7	37.1





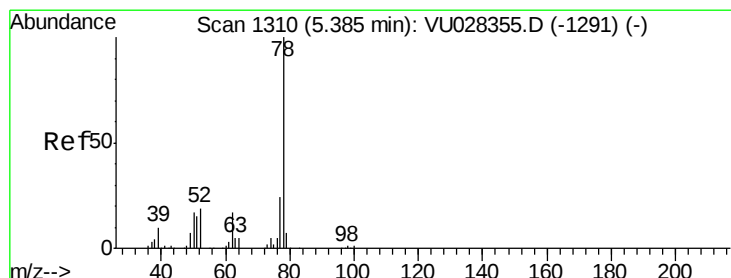
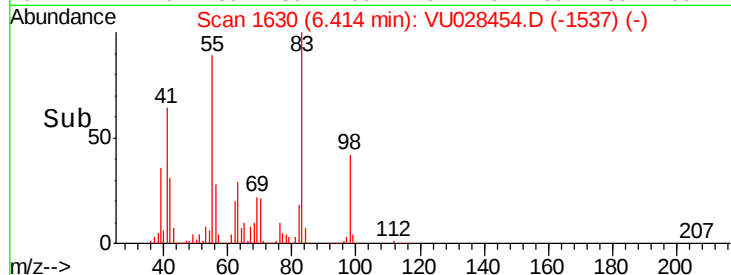
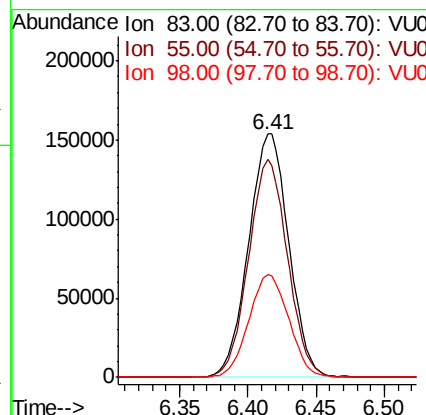
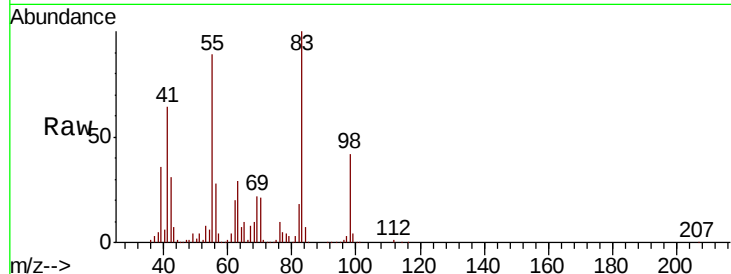
#39
Methvlcvclohexane
Concen: 47.387 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	73.1	109.7
98	42.1	33.9	50.9

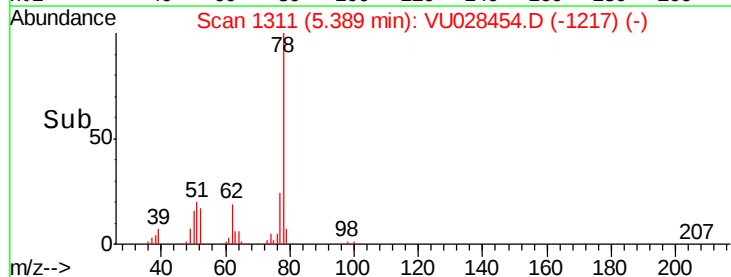
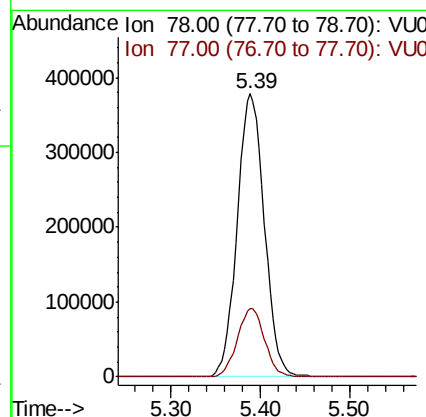
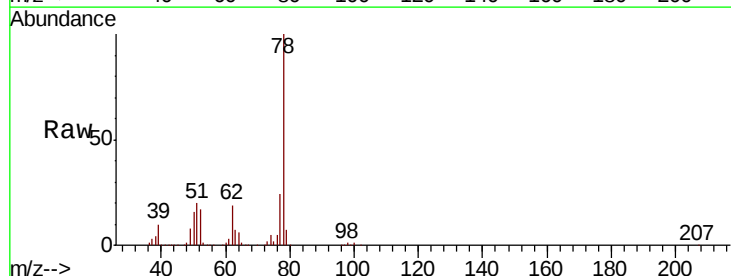
Manual Integrations
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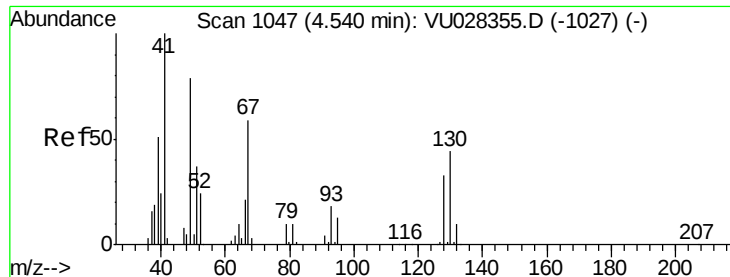
MMDadoda
12/4/2018 11:18:37 AM



#40
Benzene
Concen: 47.868 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





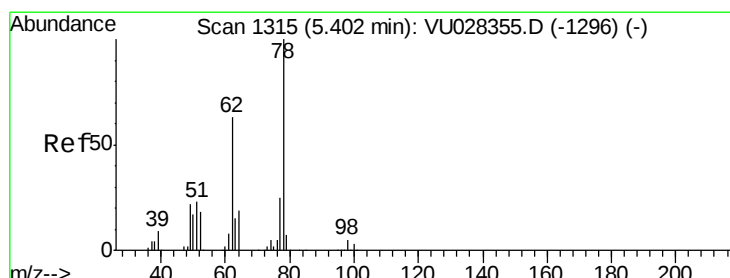
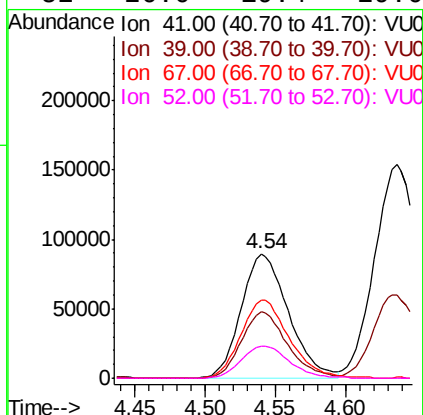
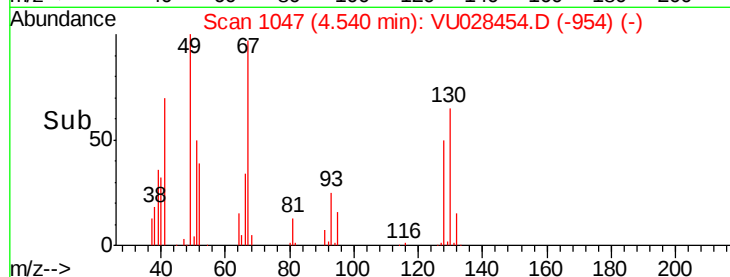
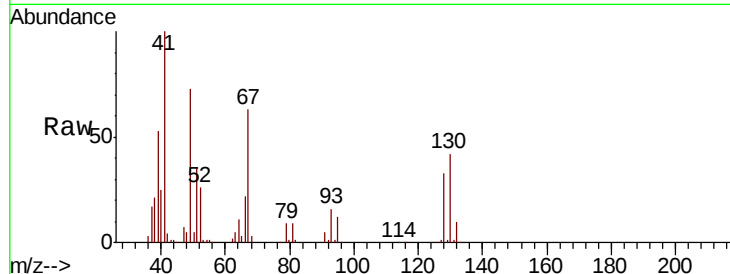
#41
Methacrylonitrile
Concen: 49.027 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	41.3	61.9	
67	64.8	48.6	73.0	
52	26.0	19.4	29.0	

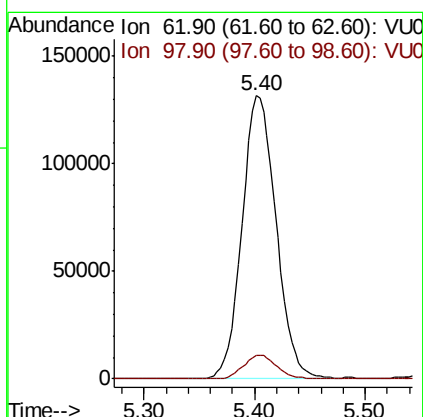
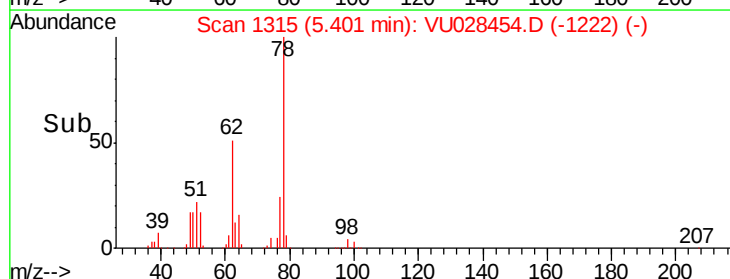
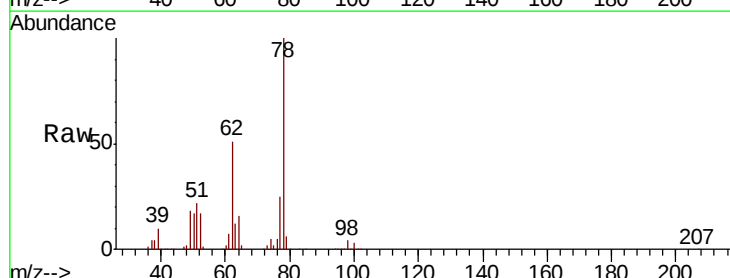
Manual Integrations
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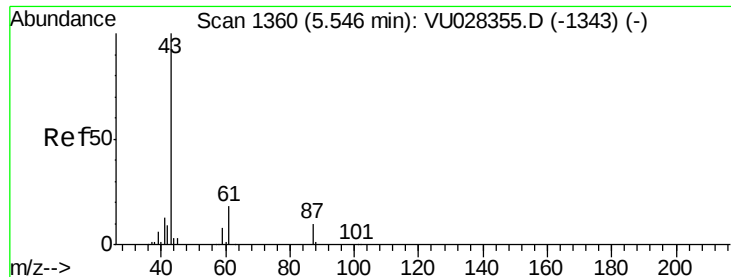
MMDadoda
12/4/2018 11:18:37 AM



#42
1,2-Dichloroethane
Concen: 46.934 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	15.4	





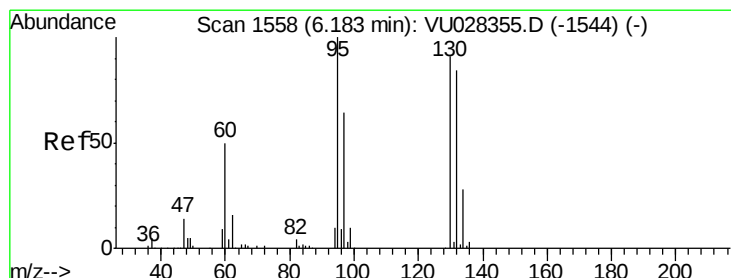
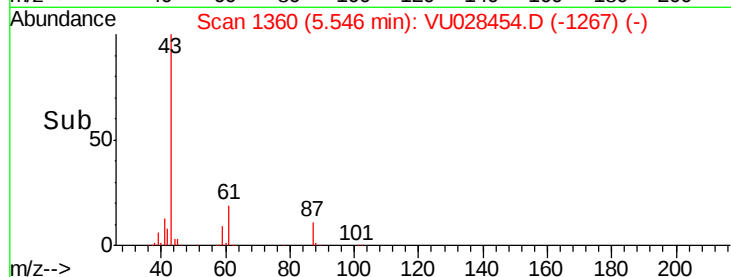
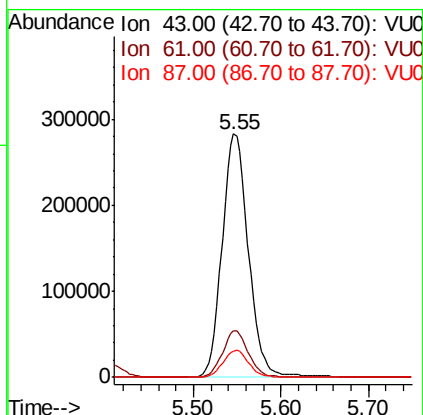
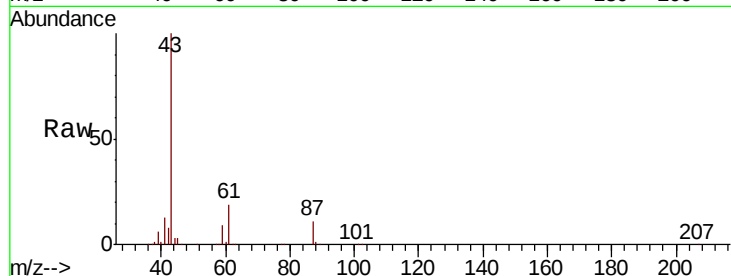
#43
Isopropyl Acetate
Concen: 48.164 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.5	21.7
87	10.9	8.4	12.6

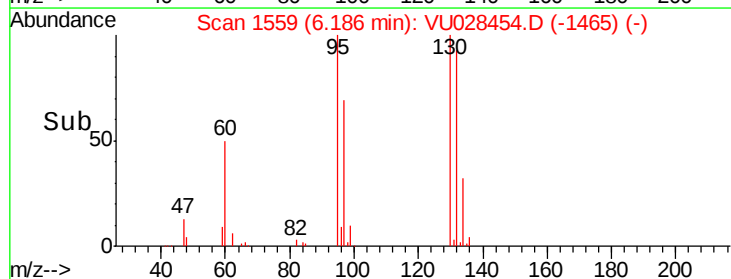
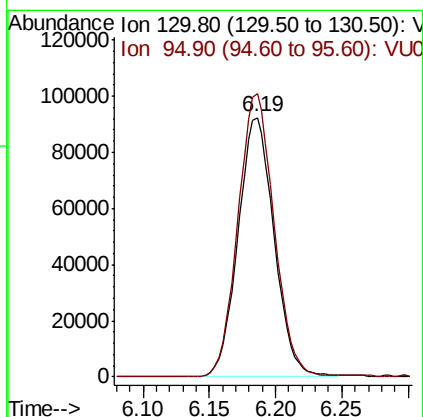
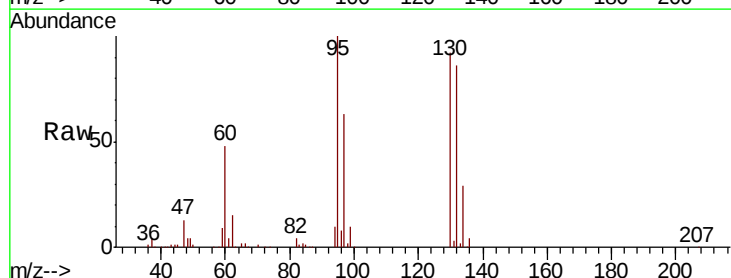
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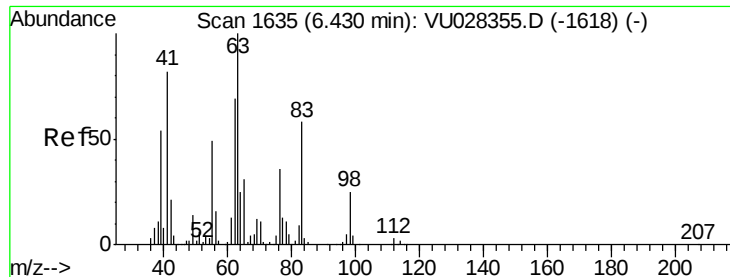
MMDadoda
12/4/2018 11:18:37 AM



#44
Trichloroethene
Concen: 49.048 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	219.8





#45

1,2-Dichloropropane

Concen: 46.799 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 228465

Ion Ratio Lower Upper

63 100

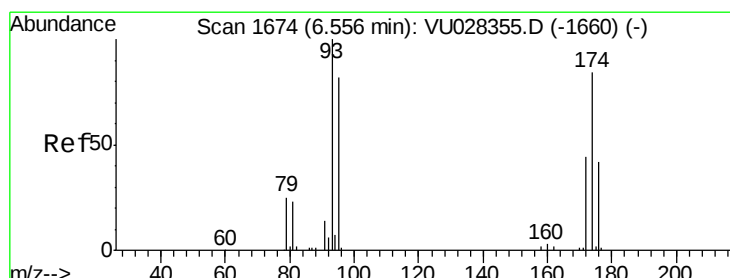
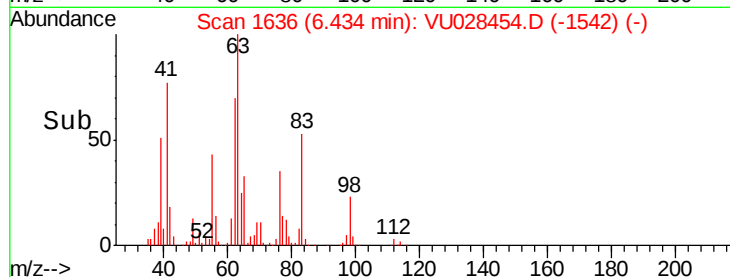
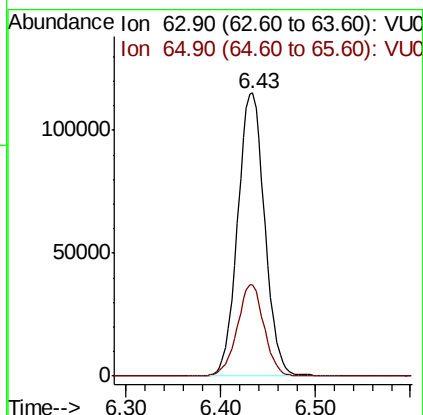
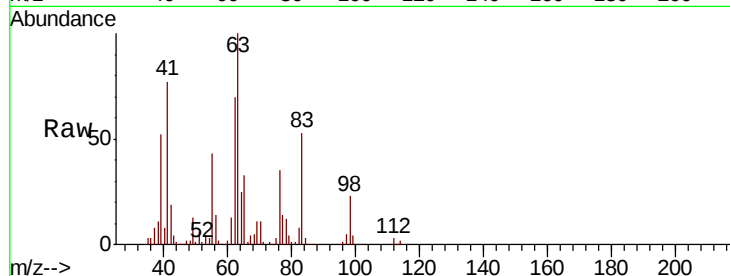
65 32.5 25.1 37.7

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#46

Dibromomethane

Concen: 48.595 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

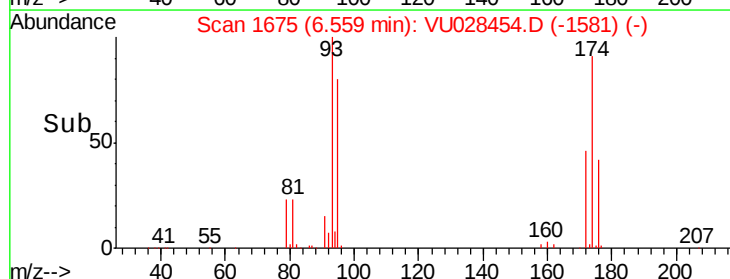
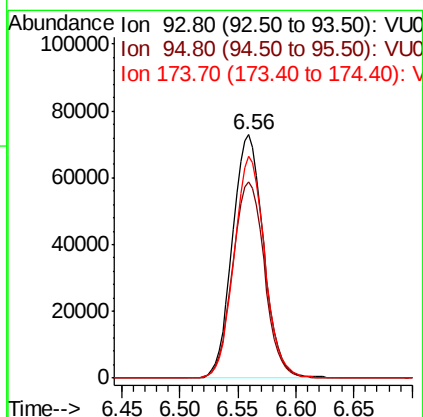
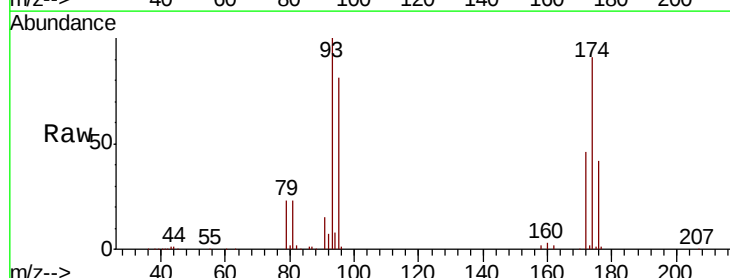
Tgt Ion: 93 Resp: 136266

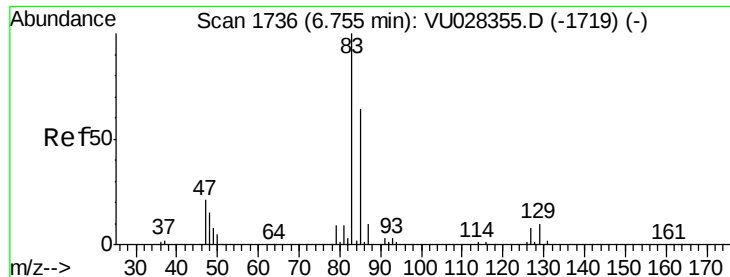
Ion Ratio Lower Upper

93 100

95 82.3 65.1 97.7

174 89.5 69.9 104.9





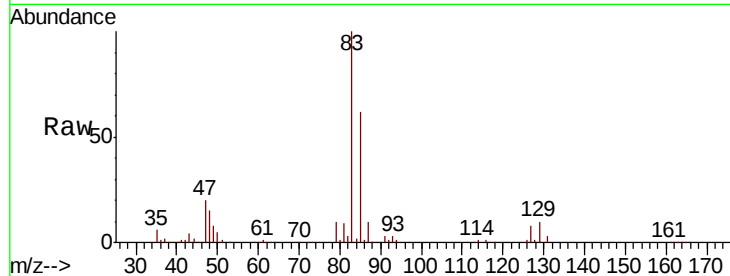
#47
Bromodichloromethane
Concen: 46.878 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

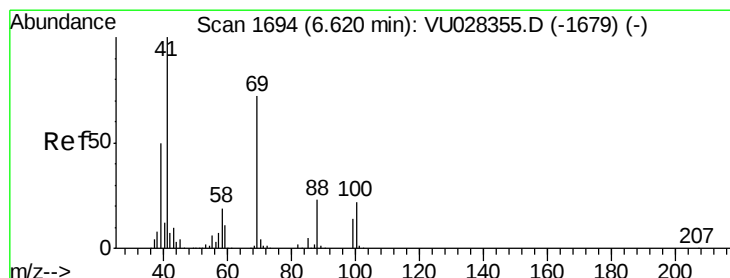
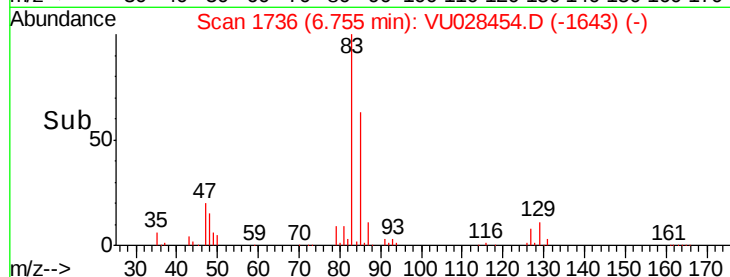
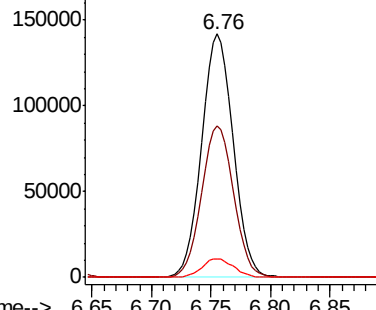
Tot Ion:	83	Resp:	261464
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.9	76.3
127	7.7	6.2	9.4

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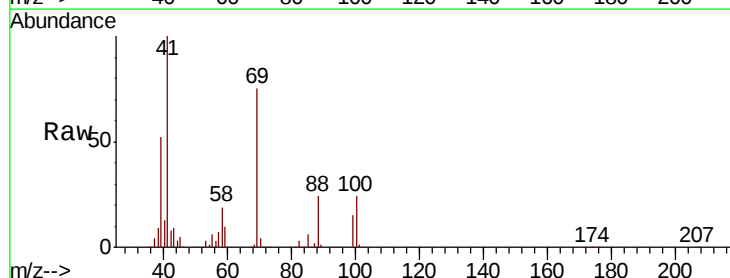


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

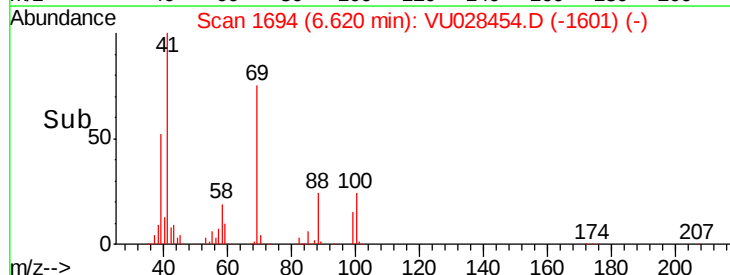
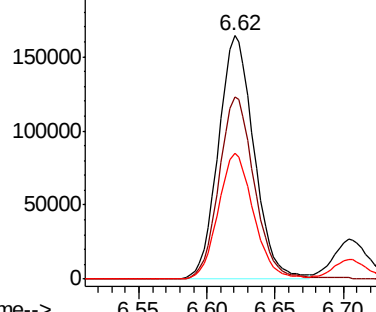


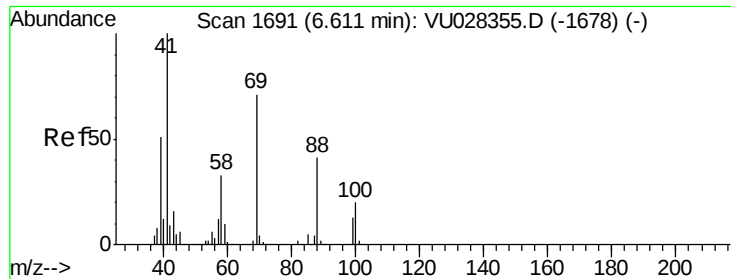
#48
Methyl methacrylate
Concen: 46.770 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:	41	Resp:	296133
Ion Ratio	Lower	Upper	
41	100		
69	75.6	59.0	88.4
39	51.3	40.5	60.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





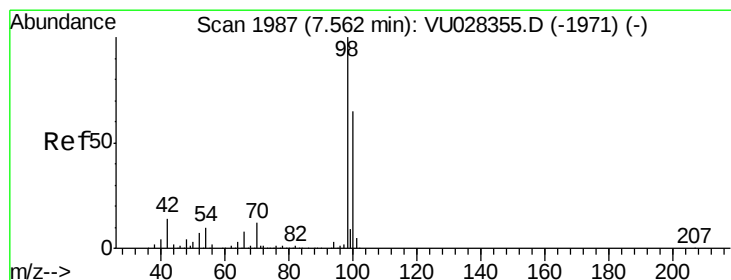
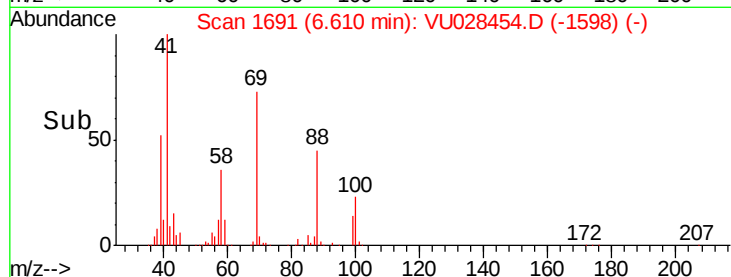
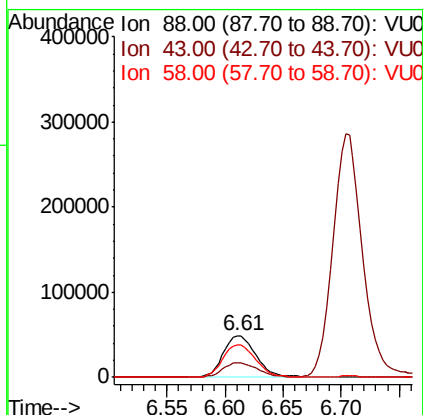
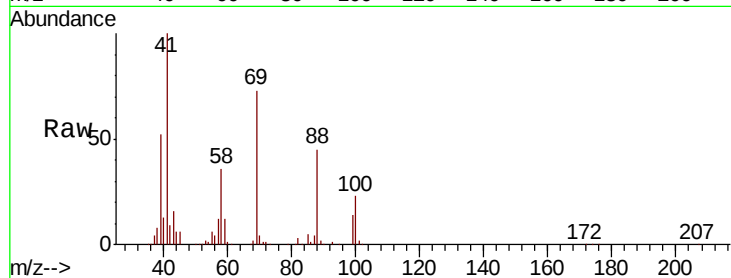
#49
1,4-Dioxane
Concen: 929.275 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	32.6	48.8
58	80.8	68.7	103.1

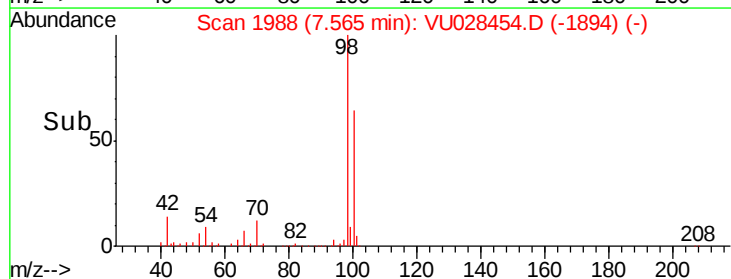
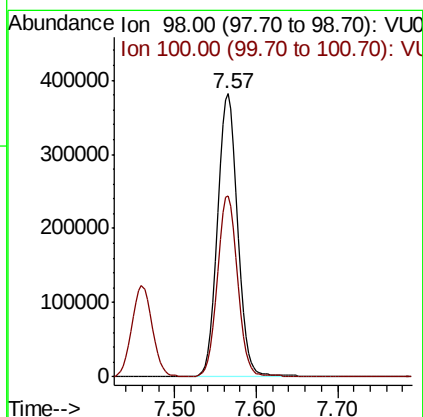
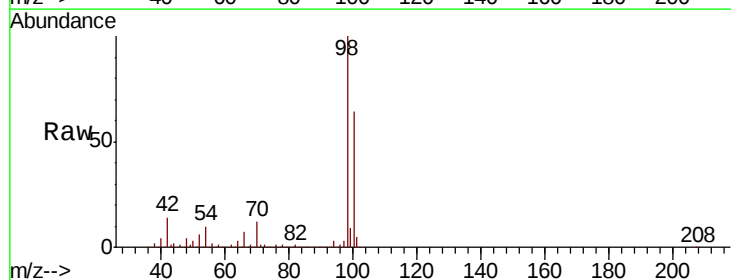
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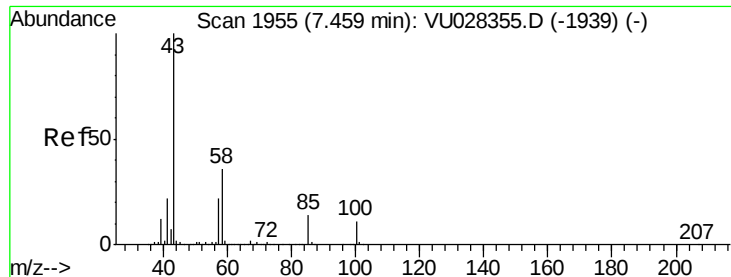
MMDadoda
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#50
Toluene-d8
Concen: 49.134 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 239.476 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1859117

Ion Ratio Lower Upper

43 100

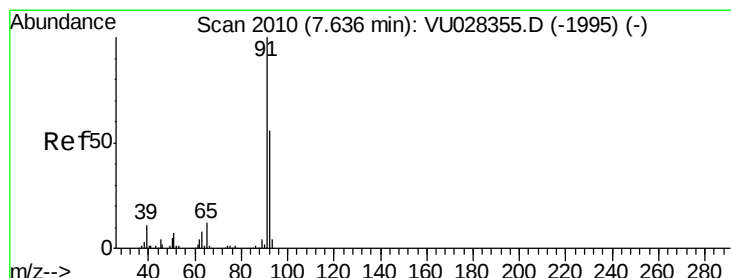
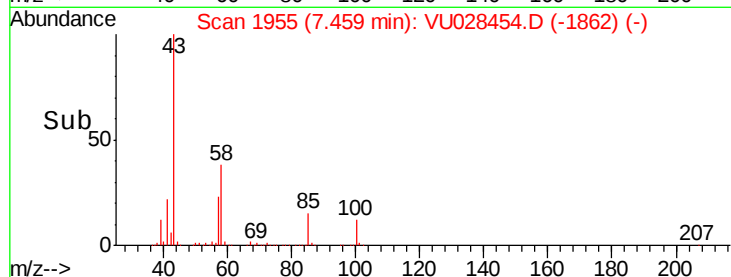
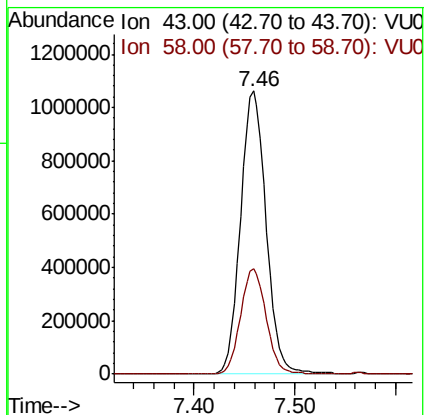
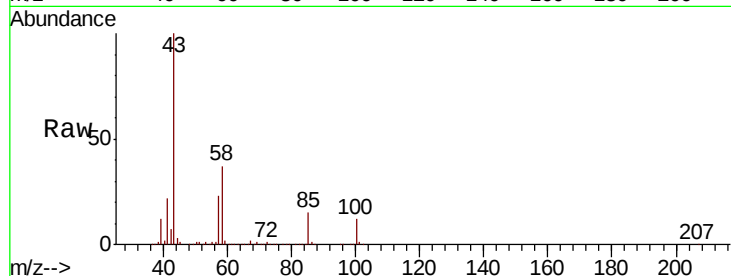
58 37.5 28.8 43.2

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#52

Toluene

Concen: 48.674 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028454.D

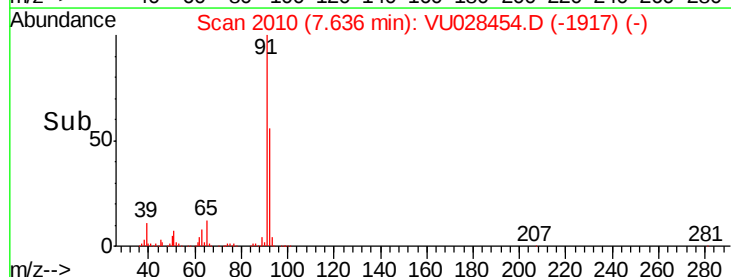
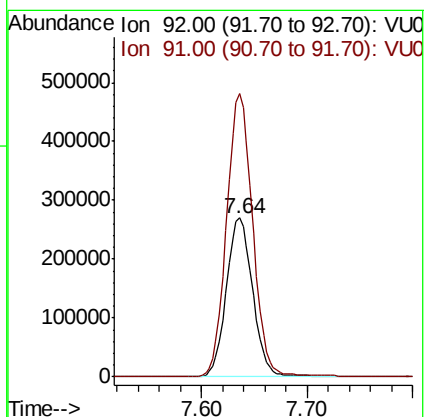
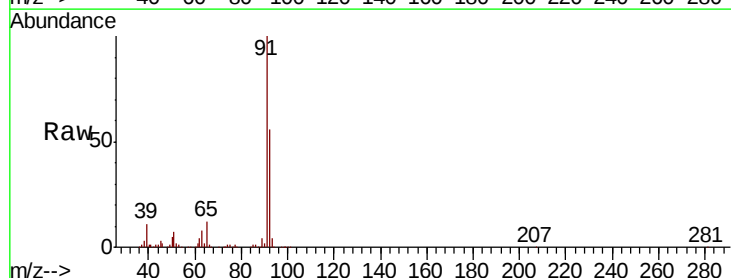
Acq: 03 Dec 2018 20:11

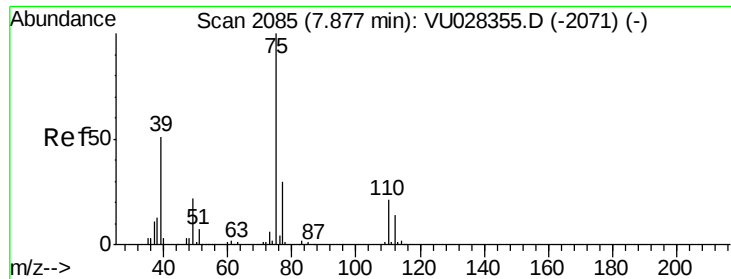
Tgt Ion: 92 Resp: 467256

Ion Ratio Lower Upper

92 100

91 177.1 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 47.722 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tot Ion: 75 Resp: 318281

Ion Ratio Lower Upper

75 100

77 31.3 24.1 36.1

Instrument :

MSVOA_U

ClientSampleId :

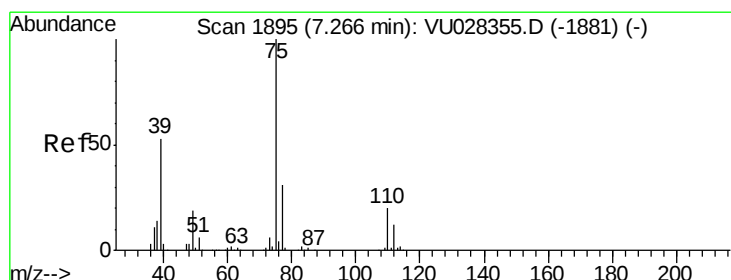
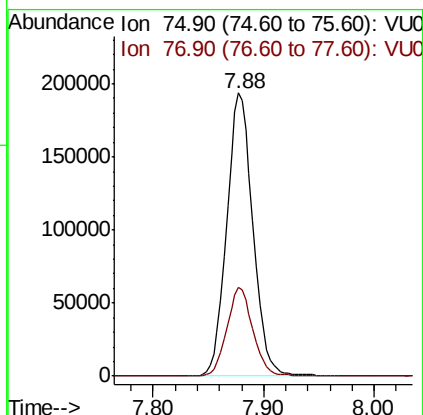
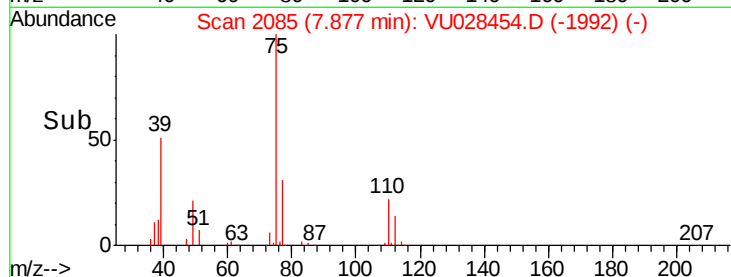
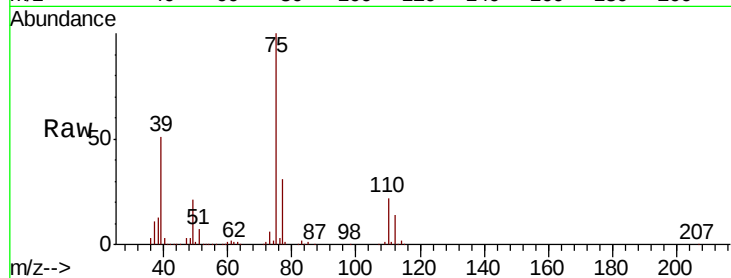
VSTDCCC050EC

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#54

cis-1,3-Dichloropropene

Concen: 47.157 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

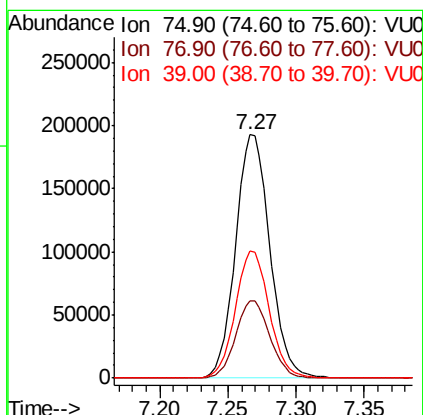
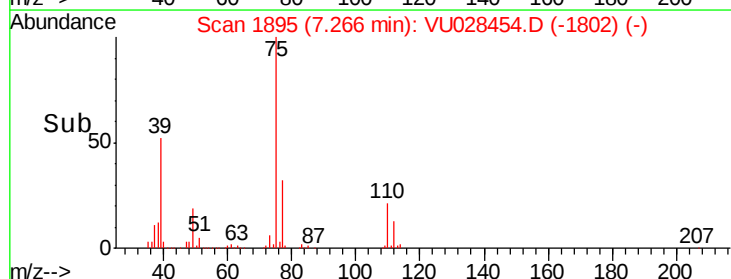
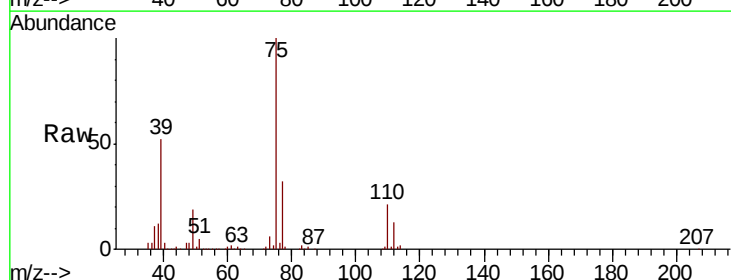
Tgt Ion: 75 Resp: 336943

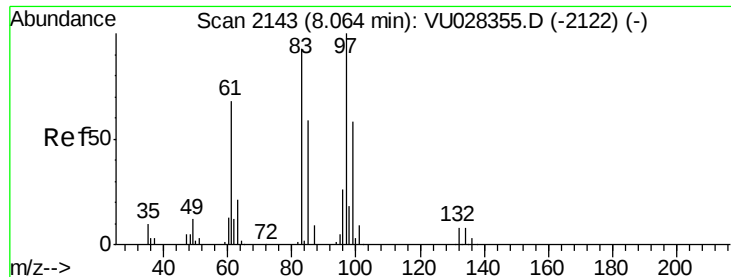
Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 52.0 42.6 64.0





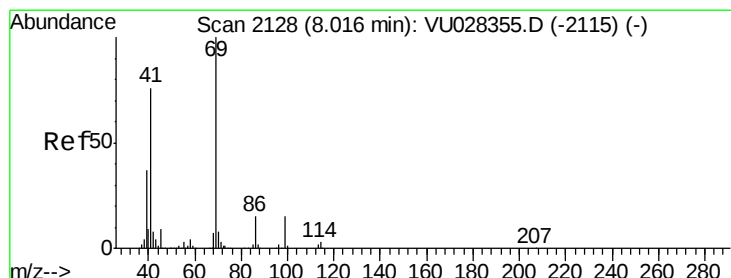
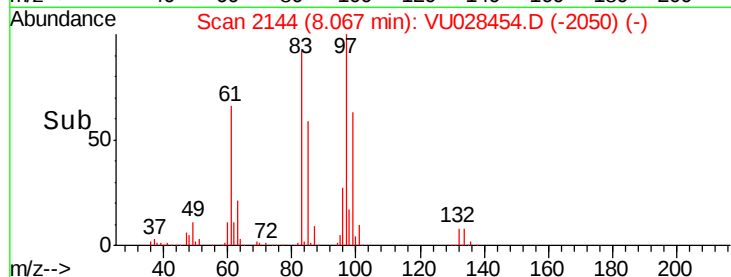
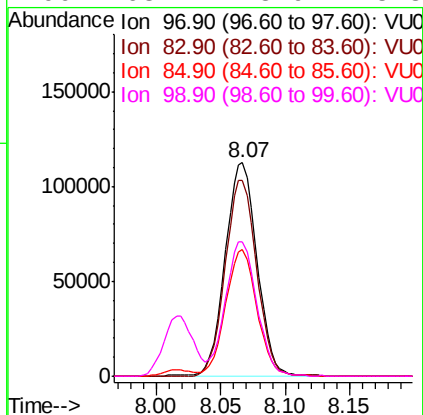
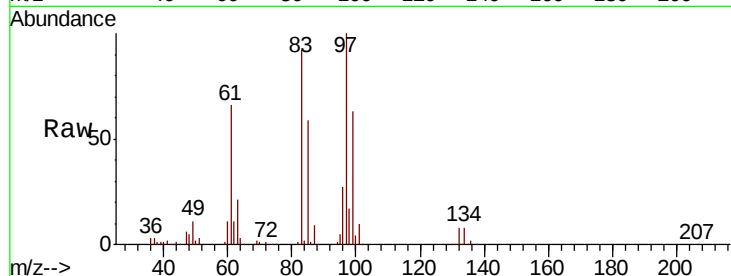
#55
 1,1,2-Trichloroethane
 Concen: 47.889 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	191330
Ion	Ratio	Lower	Upper
97	100		
83	91.8	74.3	111.5
85	59.0	47.2	70.8
99	63.1	48.9	73.3

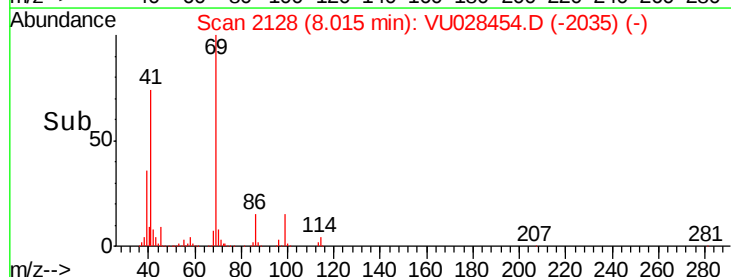
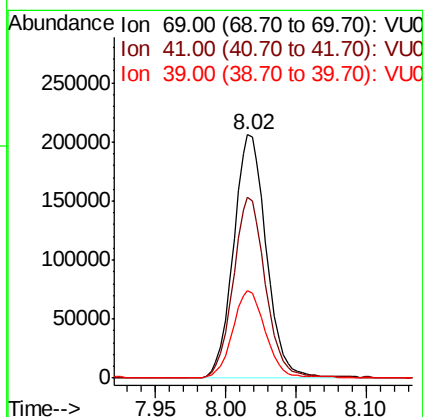
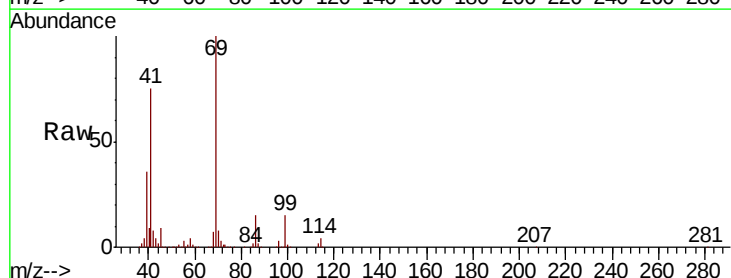
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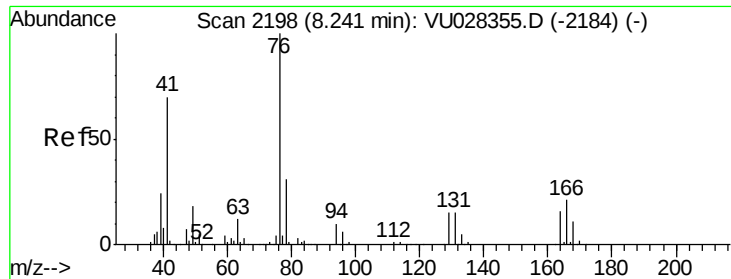
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#56
 Ethyl methacrylate
 Concen: 49.359 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion:	69	Resp:	335483
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.0	90.0
39	35.7	29.0	43.6





#57

1,3-Dichloropropane

Concen: 47.903 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 350969

Ion Ratio Lower Upper

76 100

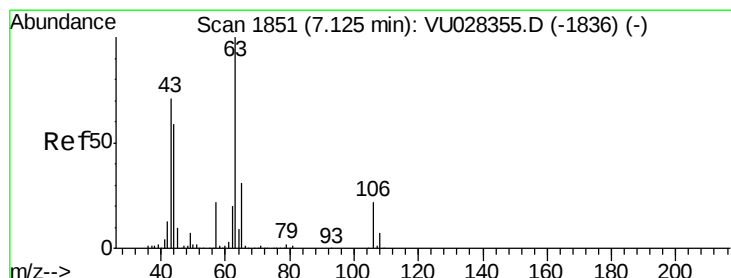
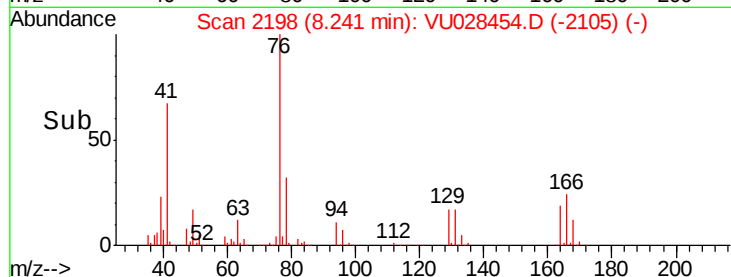
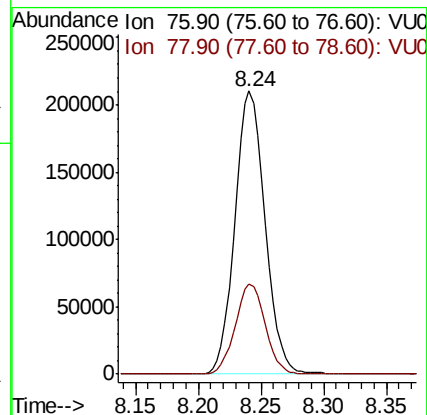
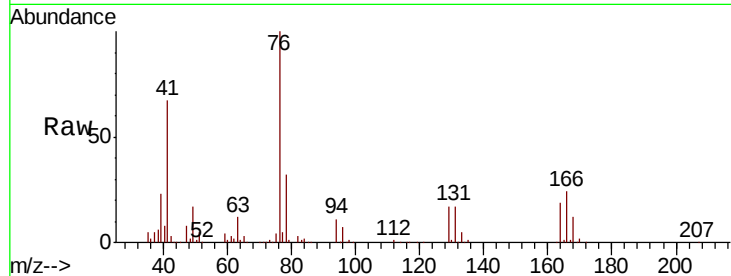
78 31.8 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 242.806 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028454.D

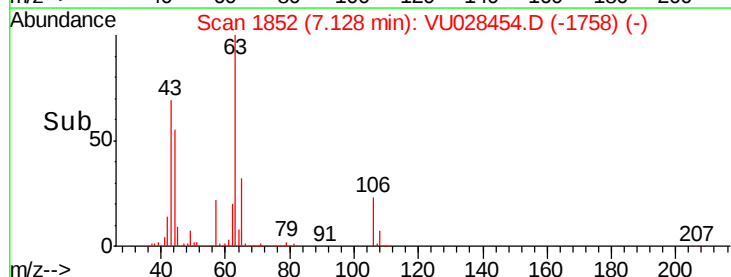
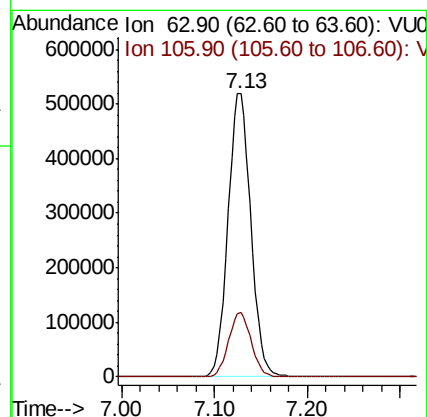
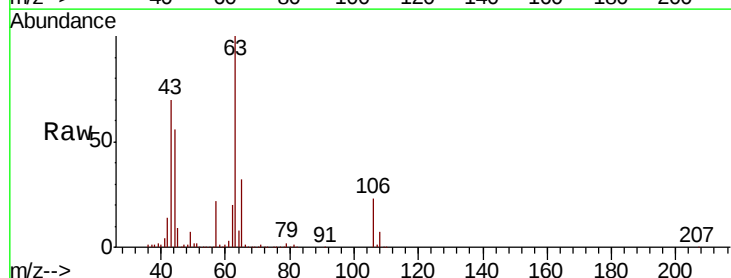
Acq: 03 Dec 2018 20:11

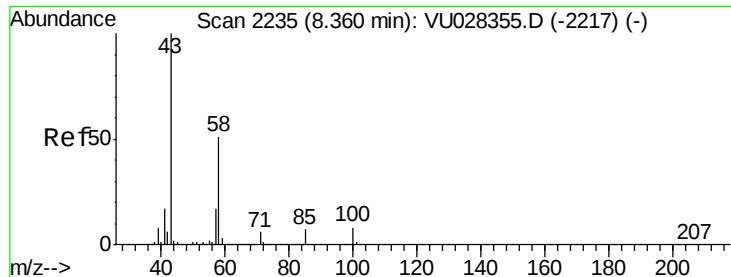
Tgt Ion: 63 Resp: 886032

Ion Ratio Lower Upper

63 100

106 22.4 17.3 25.9





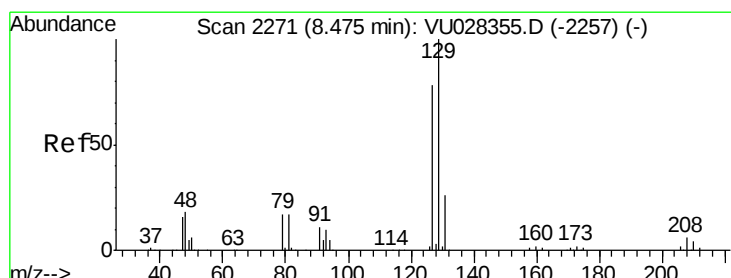
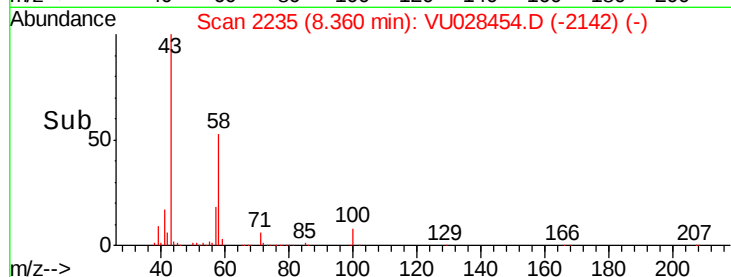
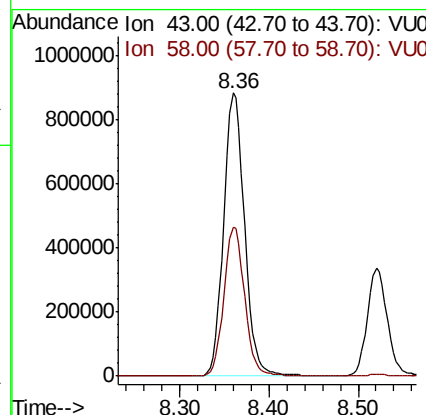
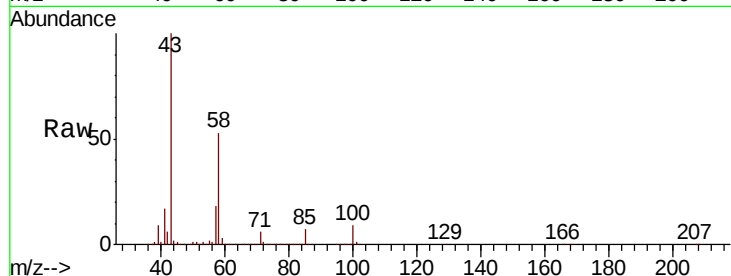
#59
2-Hexanone
Concen: 238.456 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1433939
Ion Ratio Lower Upper
43 100
58 52.5 25.5 76.5

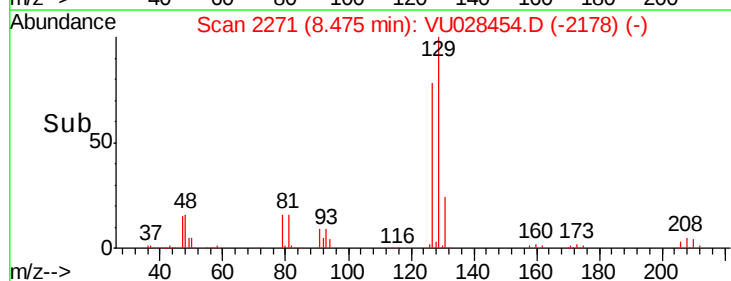
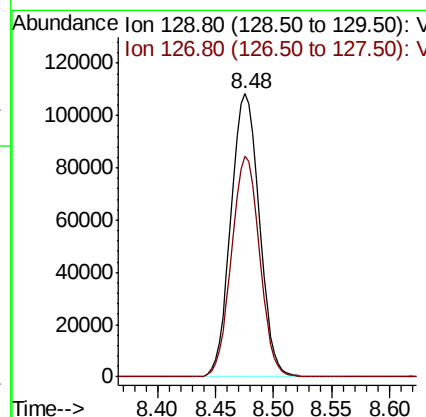
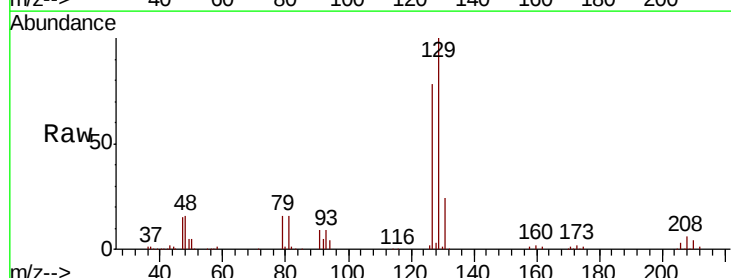
Manual Integrations
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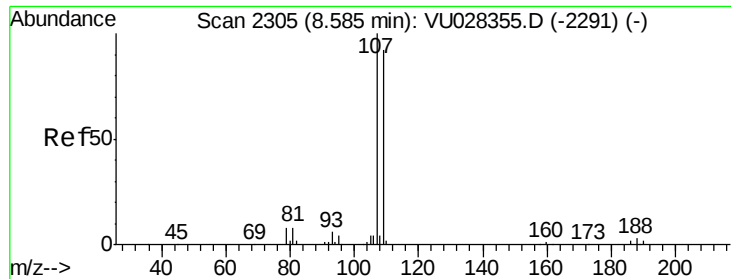
MMDadoda
12/4/2018 11:18:37 AM



#60
Dibromochloromethane
Concen: 48.332 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 129 Resp: 183649
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





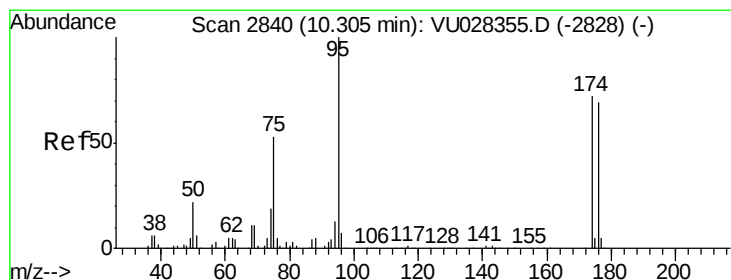
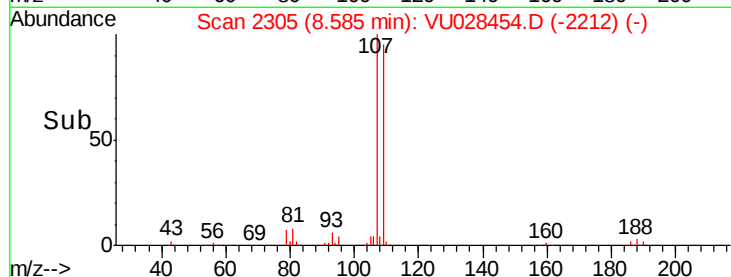
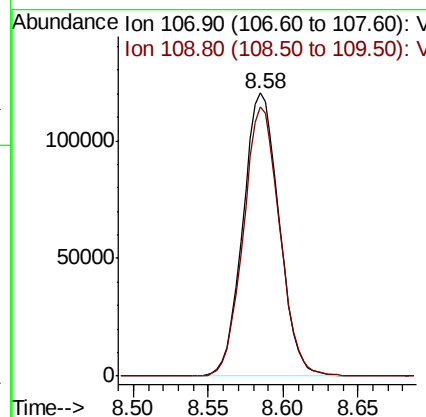
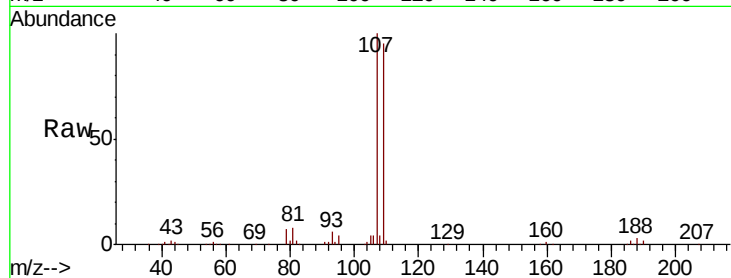
#61
 1,2-Dibromoethane
 Concen: 49.522 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	73.2	109.8

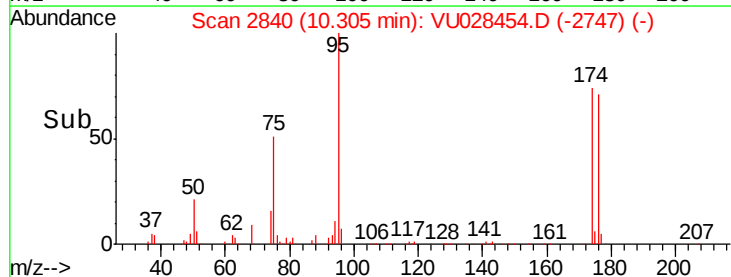
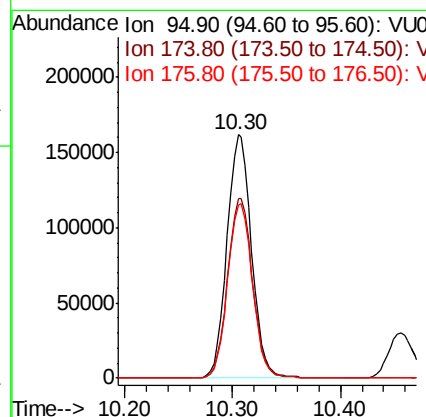
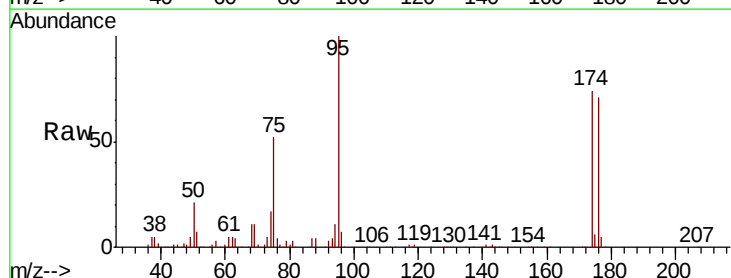
Manual Integrations
 APPROVED

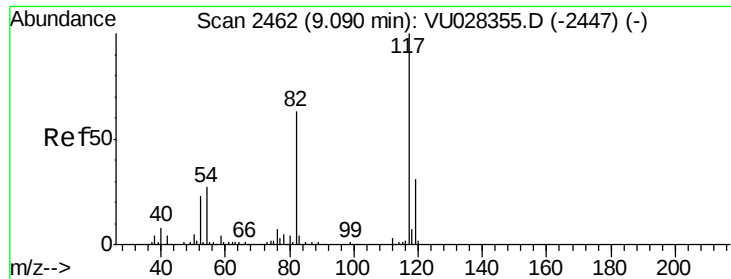
MMDadoda
 12/4/2018 11:18:37 AM



#62
 4-Bromofluorobenzene
 Concen: 51.922 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.4
176	72.7	0.0	140.8





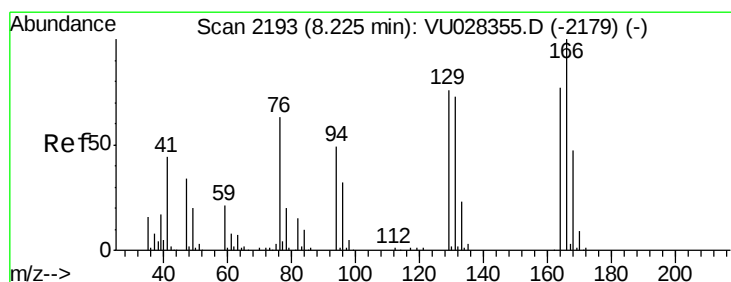
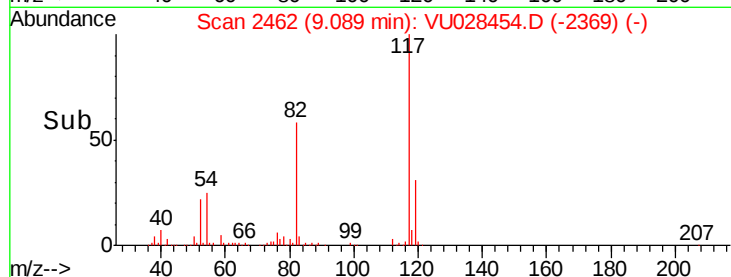
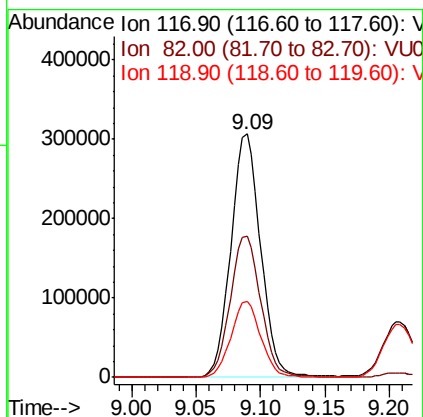
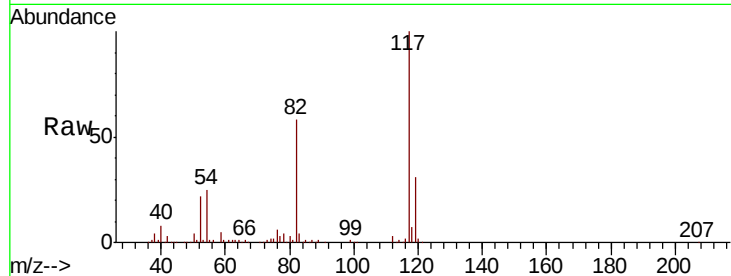
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	50.3	75.5
119	31.3	24.8	37.2

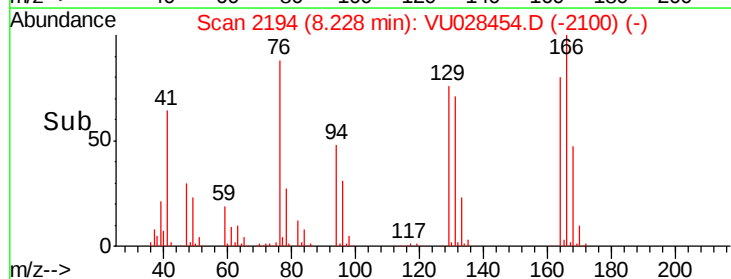
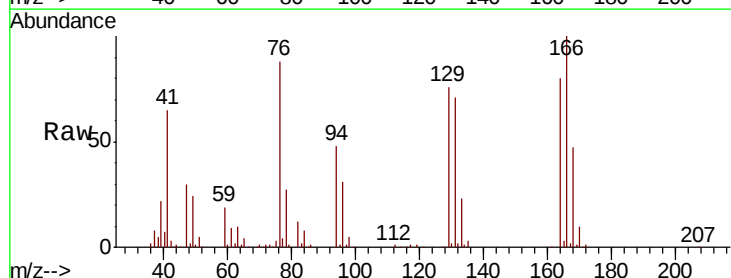
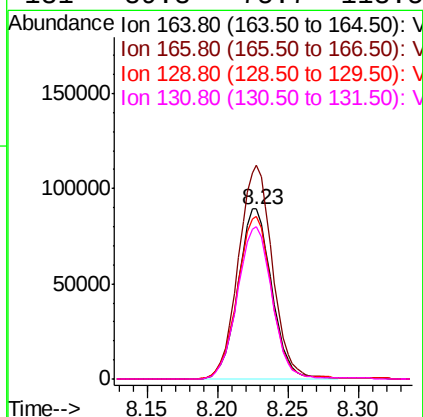
Manual Integrations
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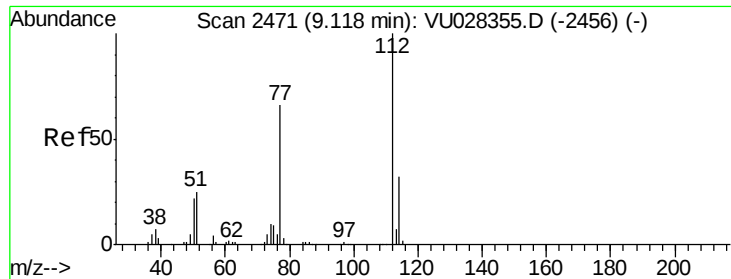
MMDadoda
12/4/2018 11:18:37 AM



#64
Tetrachloroethene
Concen: 46.473 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.0	156.0
129	95.7	79.2	118.8
131	89.3	75.7	113.5





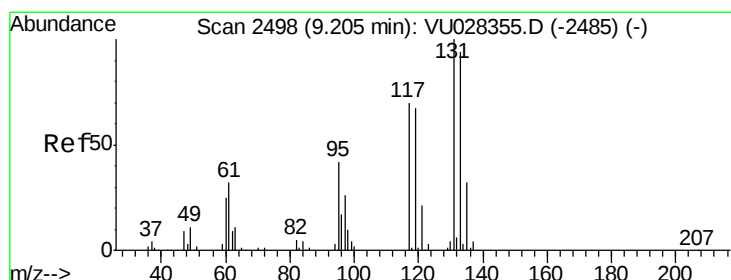
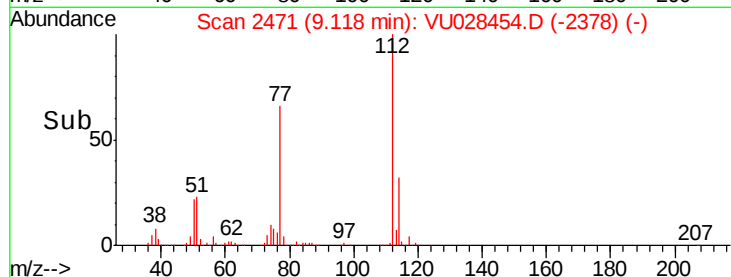
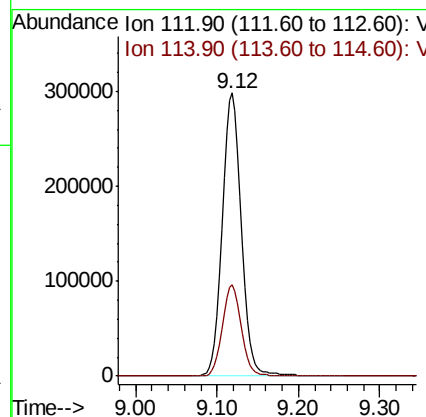
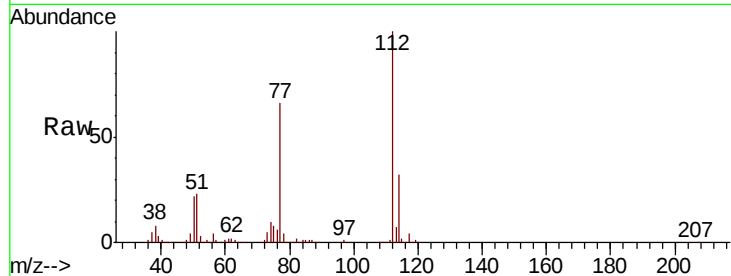
#65
Chlorobenzene
Concen: 48.599 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

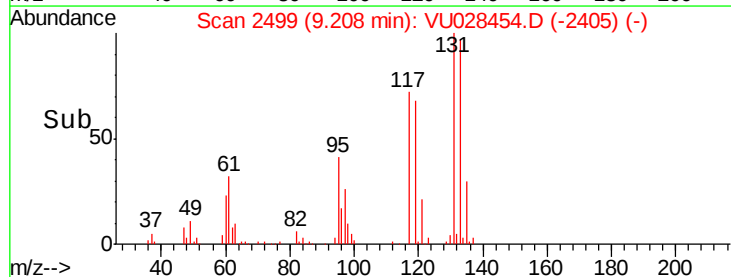
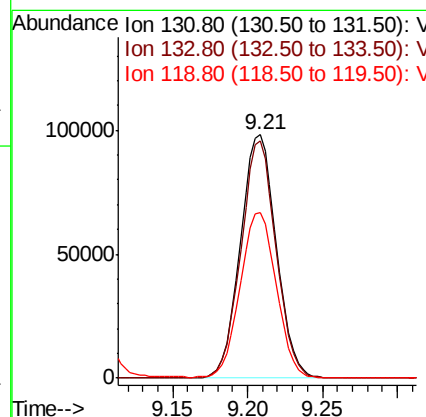
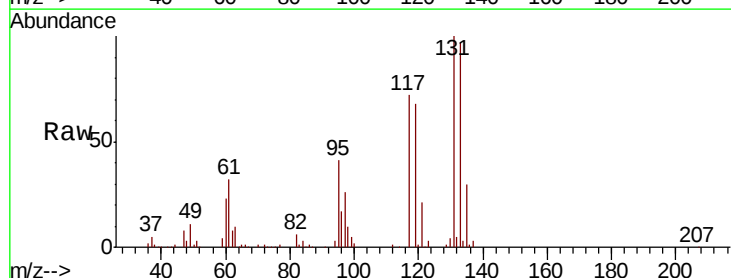
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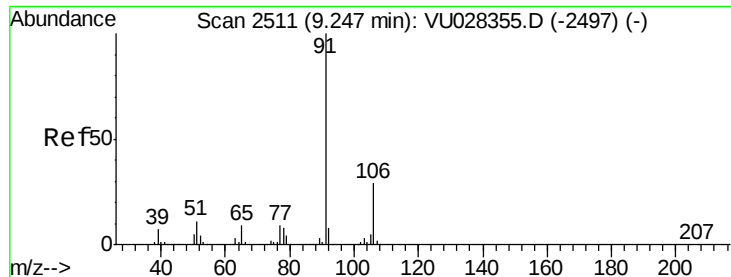
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.946 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.8
119	69.0	34.1	102.2





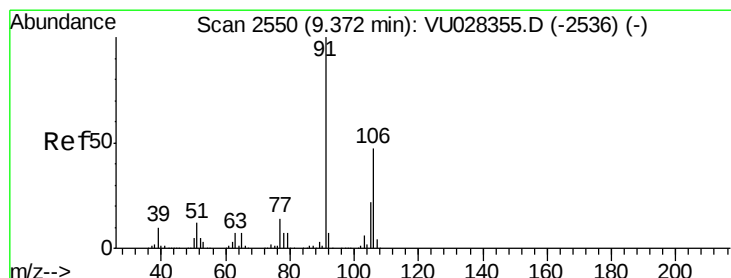
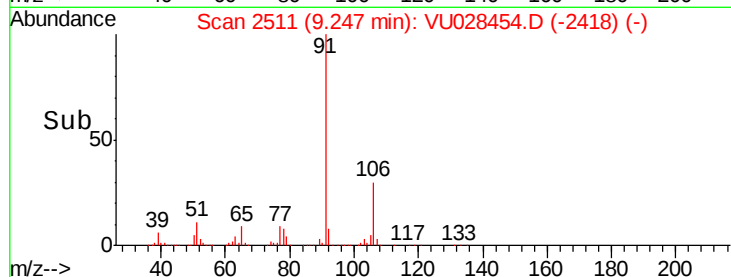
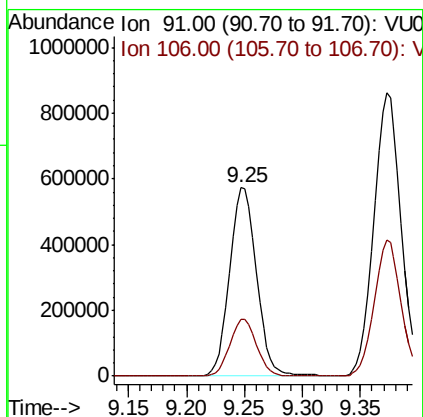
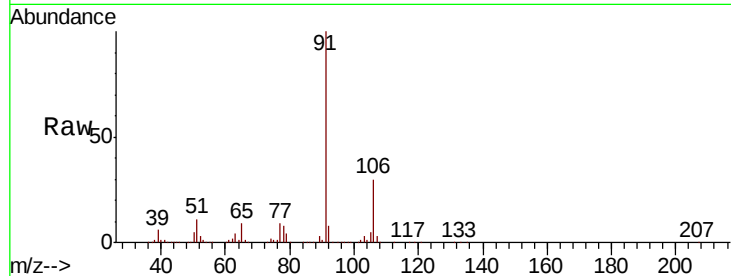
#67
Ethyl Benzene
Concen: 47.730 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.3	34.9

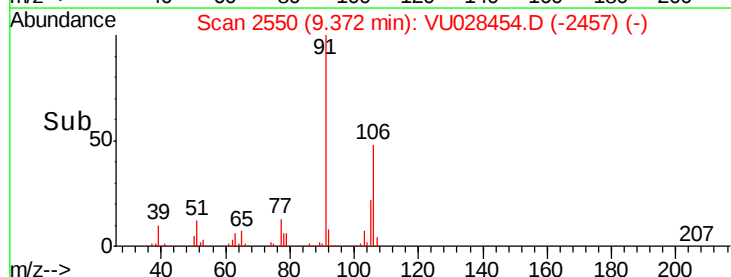
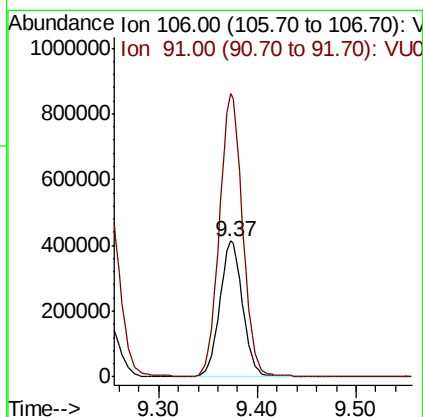
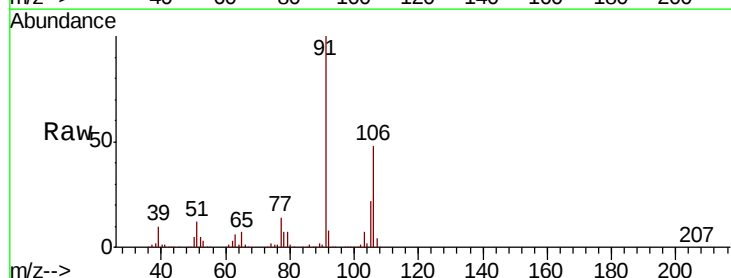
Manual Integrations
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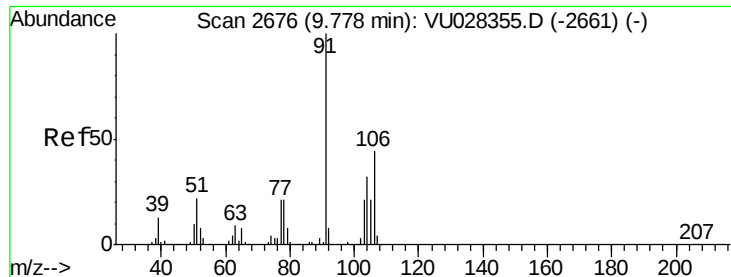
MMDadoda
12/4/2018 11:18:37 AM



#68
m/p-Xylenes
Concen: 97.298 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.0	171.0	256.6





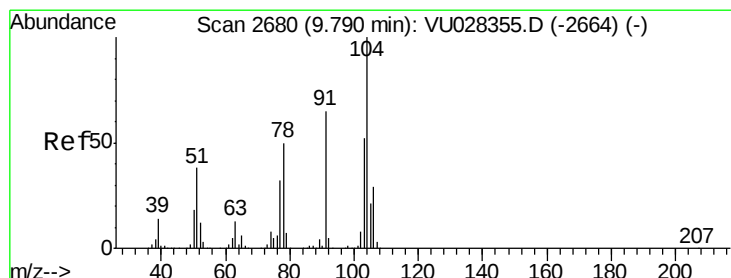
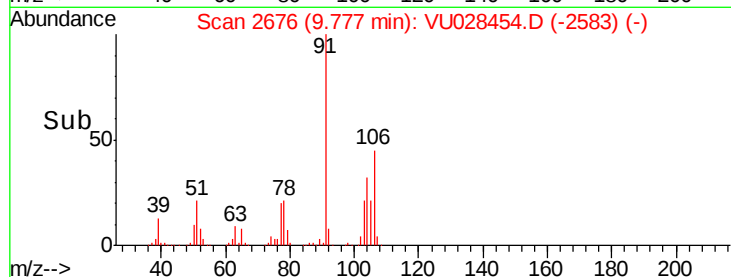
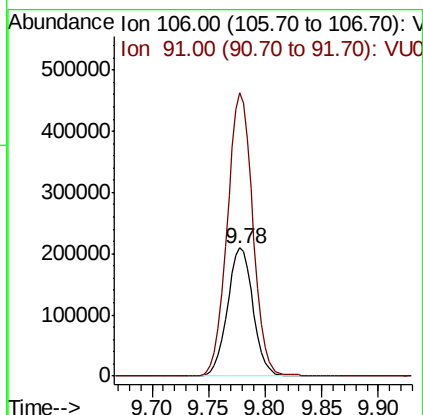
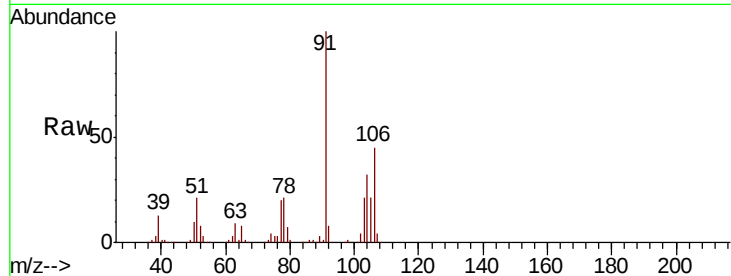
#69
o-Xylene
Concen: 47.948 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 329440
Ion Ratio Lower Upper
106 100
91 220.7 112.7 338.0

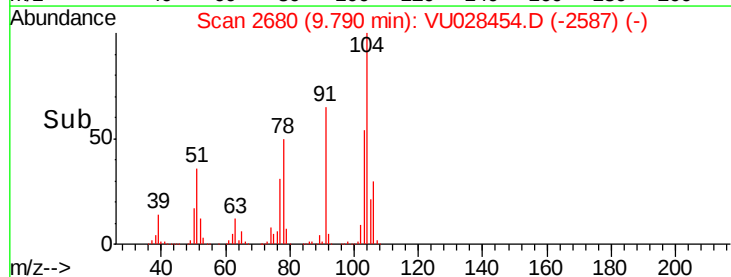
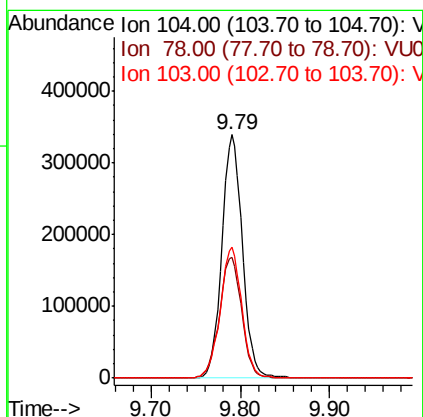
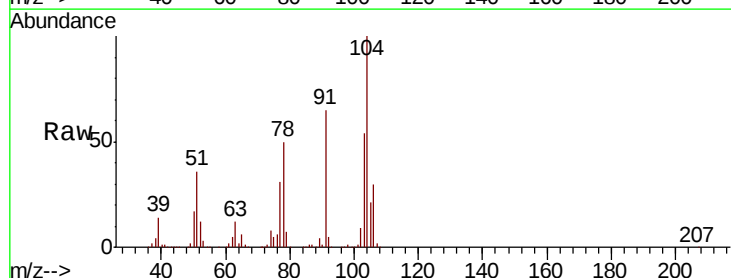
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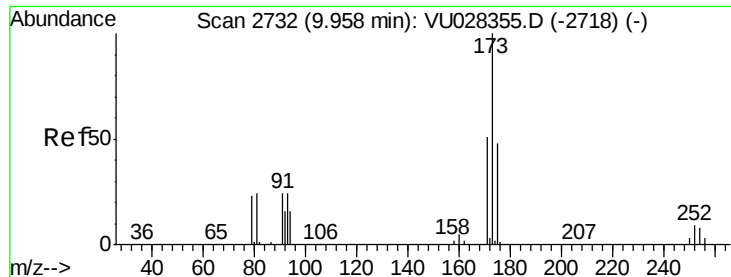
MMDadoda
12/4/2018 11:18:37 AM



#70
Styrene
Concen: 48.785 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:104 Resp: 540593
Ion Ratio Lower Upper
104 100
78 54.1 43.3 64.9
103 56.4 44.8 67.2





#71

Bromoform

Concen: 46.090 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

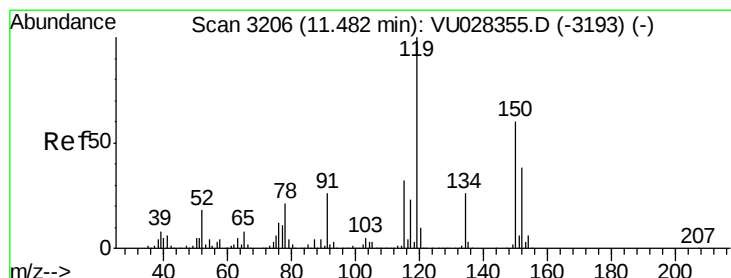
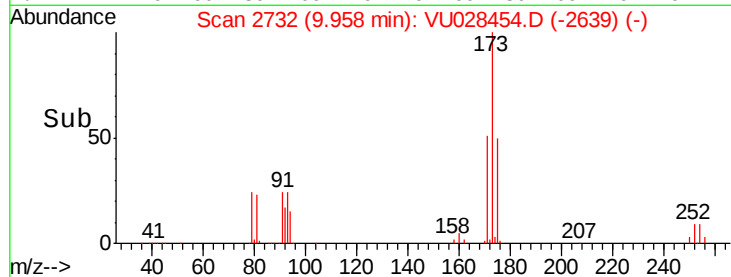
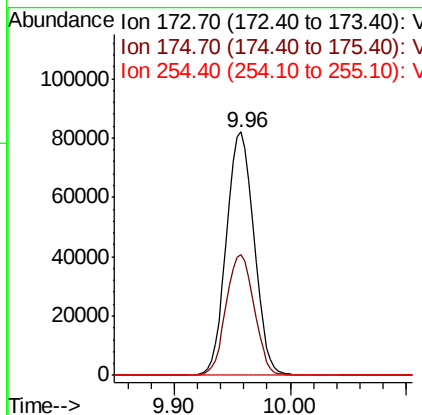
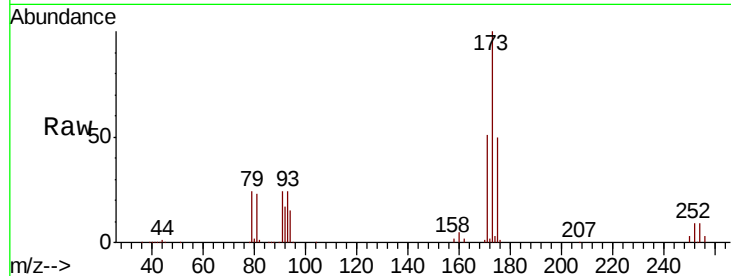
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.1	72.4
254	0.1	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

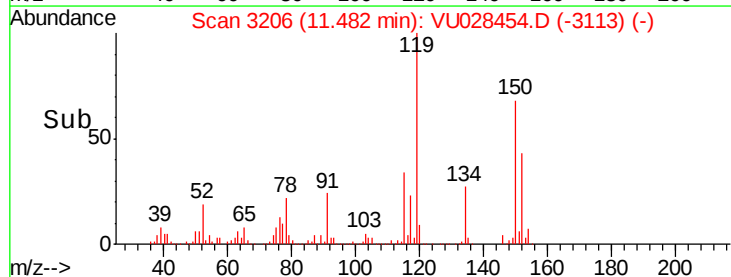
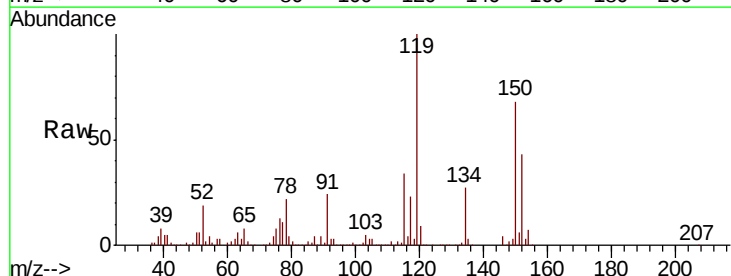
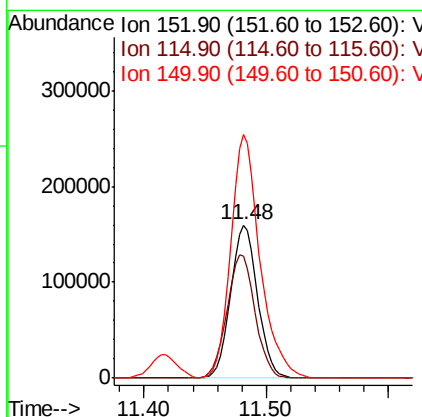
RT: 11.48 min Scan# 3206

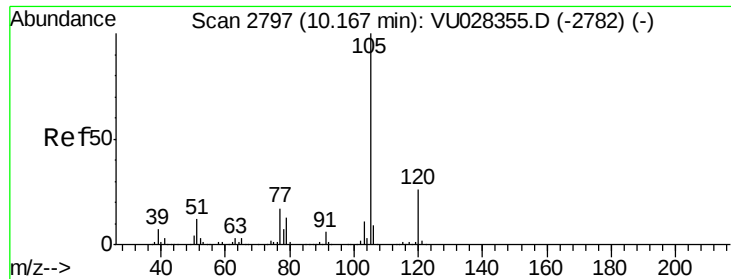
Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.3	45.0	134.8
150	171.8	0.0	349.2





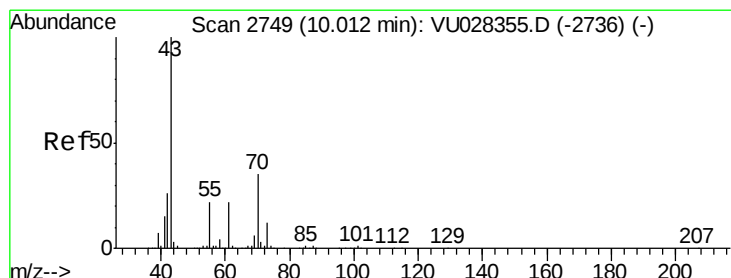
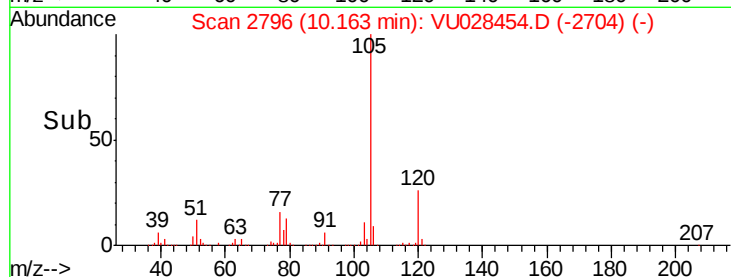
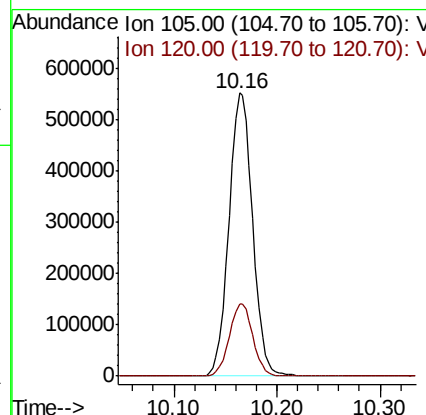
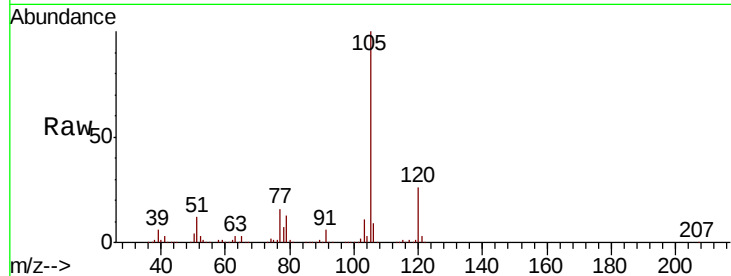
#73
Isopropylbenzene
Concen: 45.950 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

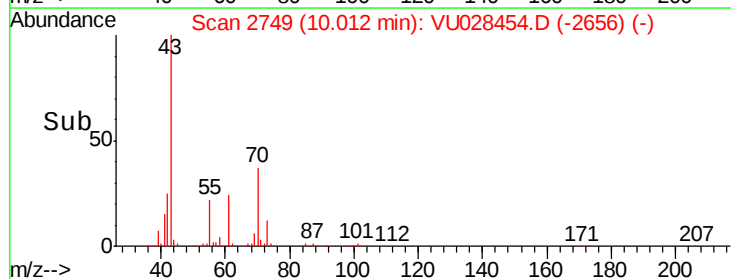
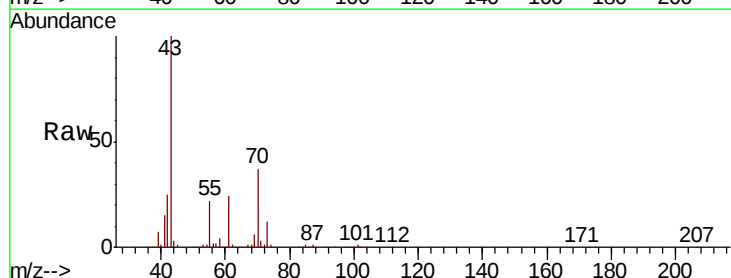
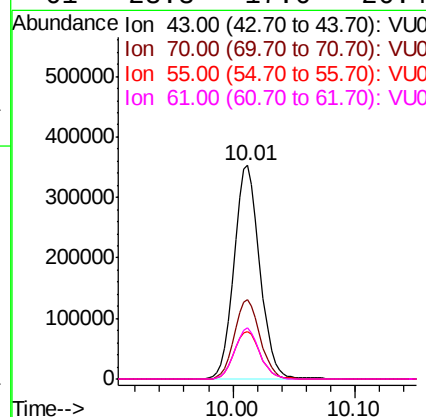
Manual Integrations
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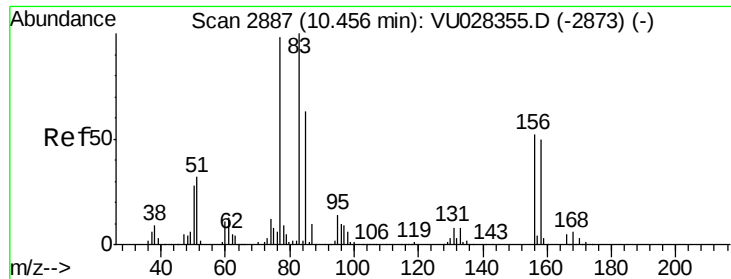
MMDadoda
12/4/2018 11:18:37 AM



#74
N-ethyl acetate
Concen: 43.283 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	28.4	42.6
55	23.0	18.0	27.0
61	23.3	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.369 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

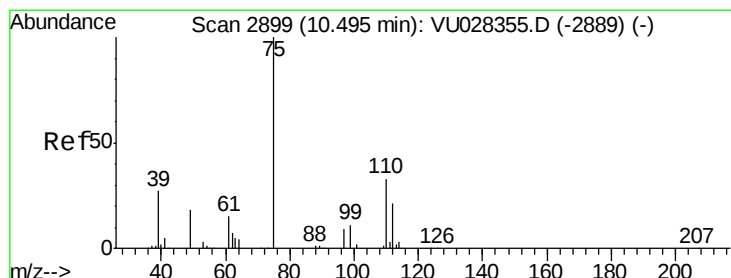
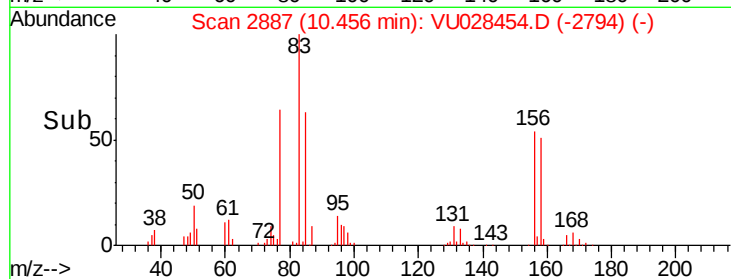
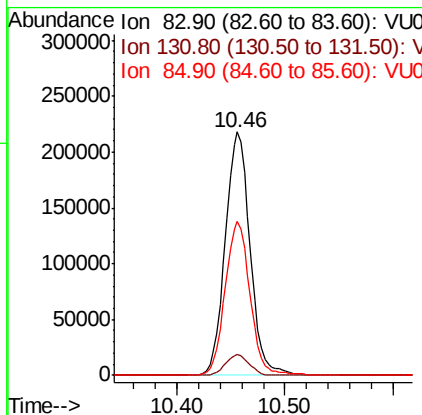
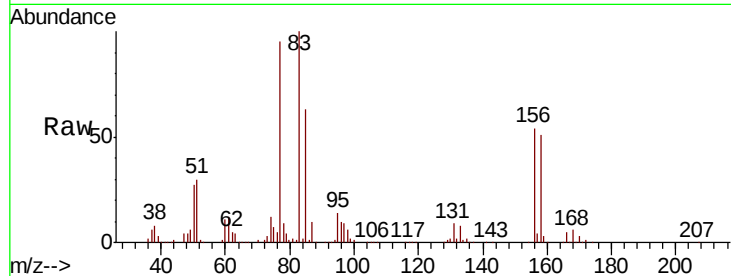
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	348852
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.0	12.2
85	63.7	31.8	95.4

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12/4/2018 11:18:37 AM



#76

1,2,3-Trichloropropane

Concen: 45.436 ug/l m

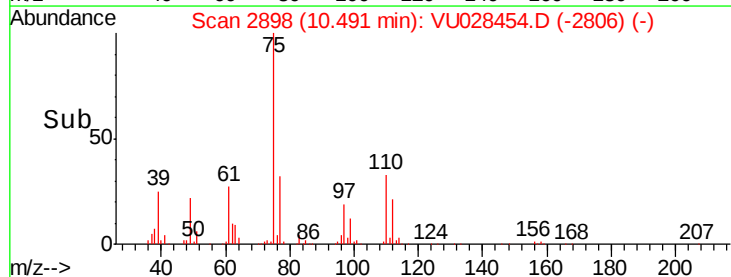
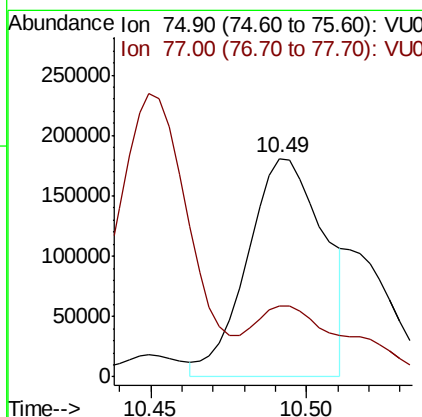
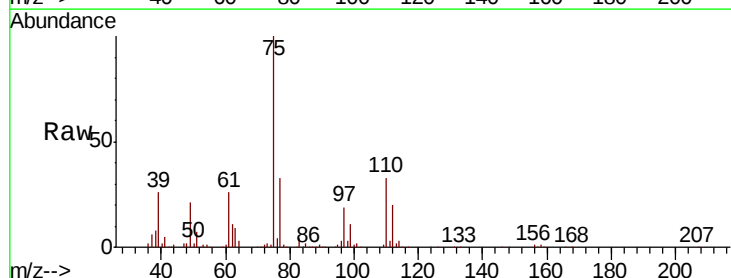
RT: 10.49 min Scan# 2898

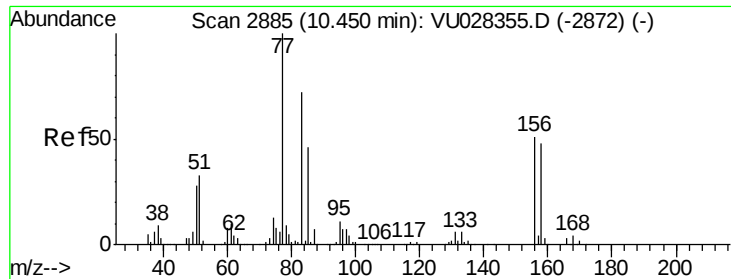
Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	75	Resp:	309742
Ion Ratio	Lower	Upper	
75	100		
77	41.2	22.4	67.0





#77

Bromobenzene

Concen: 45.614 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

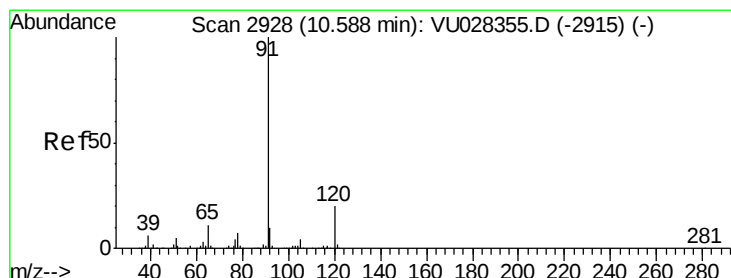
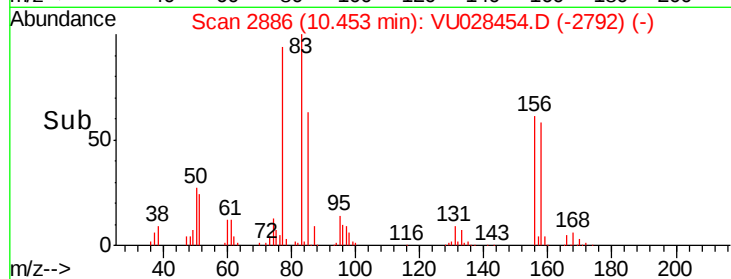
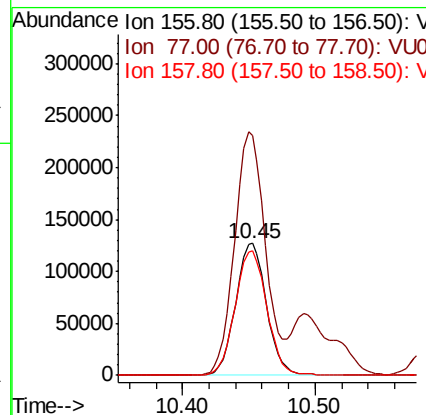
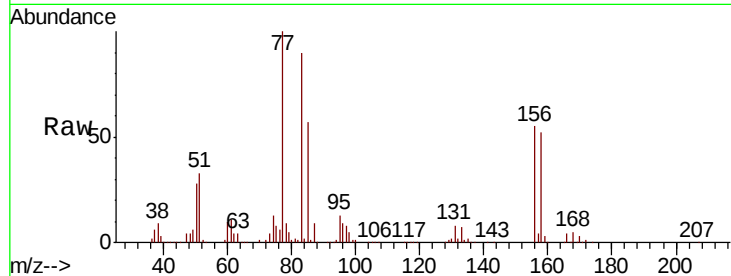
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	205499
Ion Ratio	Lower	Upper	
156	100		
77	183.0	97.0	290.9
158	96.9	46.8	140.4

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#78

n-propylbenzene

Concen: 46.194 ug/l

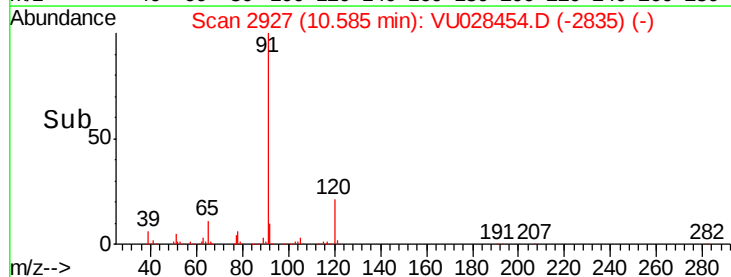
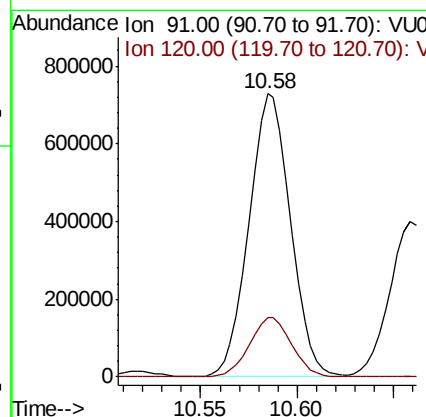
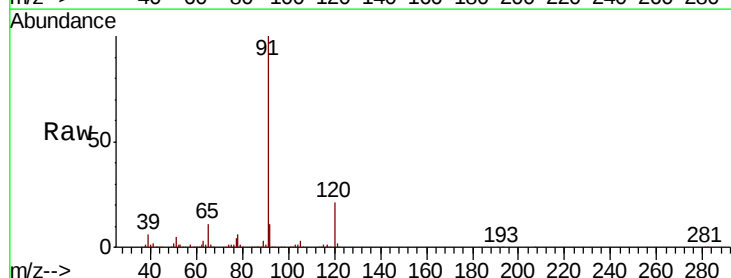
RT: 10.58 min Scan# 2927

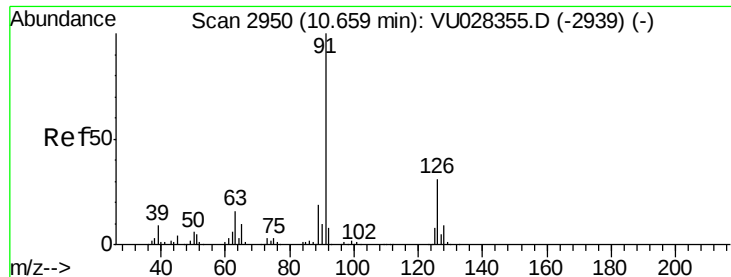
Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	91	Resp:	1089560
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.3	30.8





#79

2-Chlorotoluene

Concen: 45.178 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 628170

Ion Ratio Lower Upper

91 100

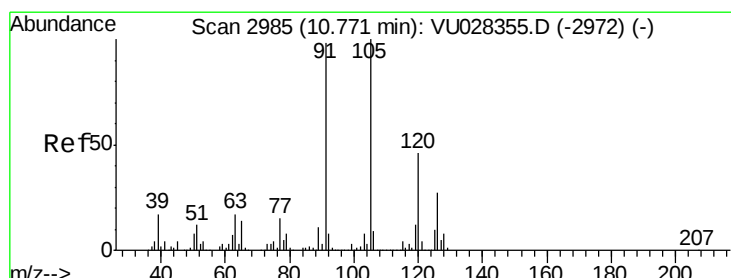
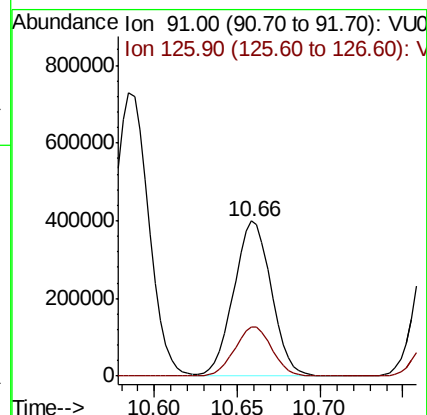
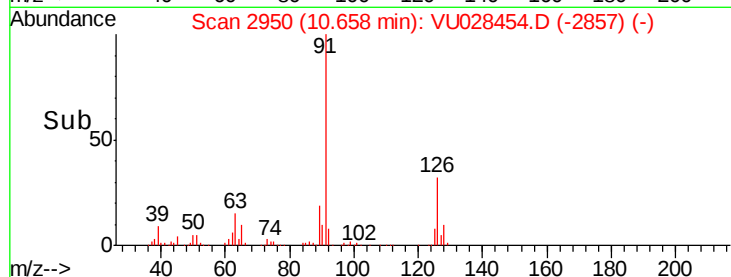
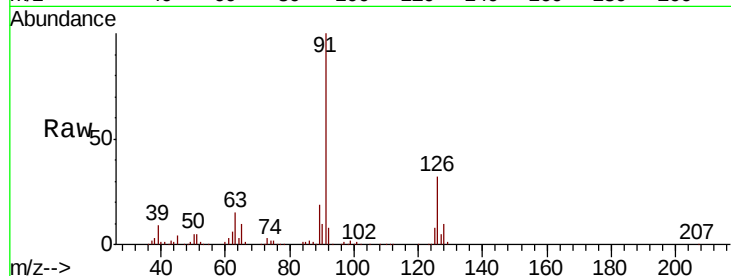
126 31.7 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.977 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028454.D

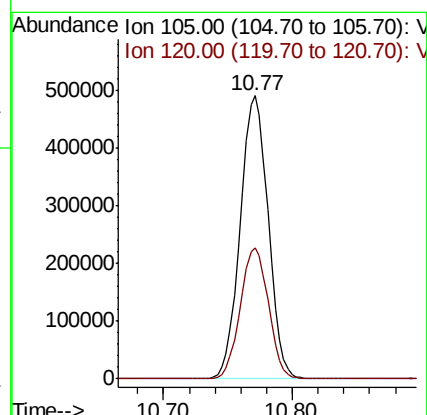
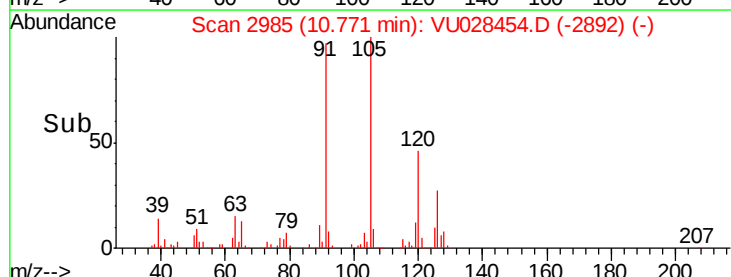
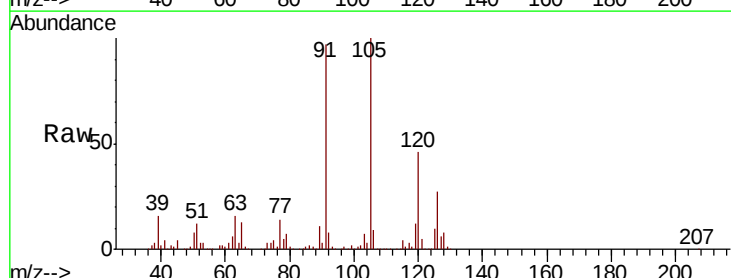
Acq: 03 Dec 2018 20:11

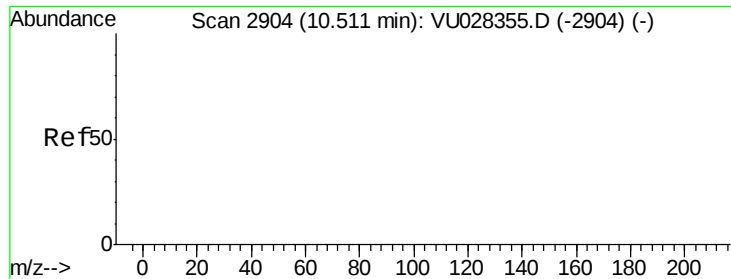
Tgt Ion: 105 Resp: 740787

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.570 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028454.D

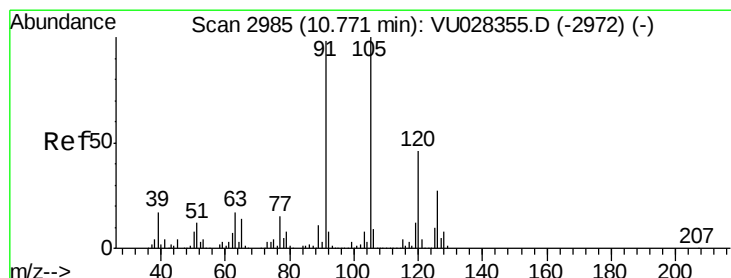
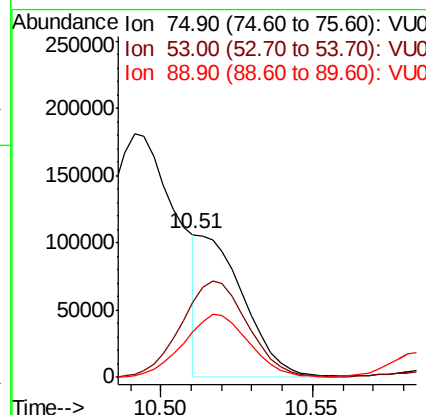
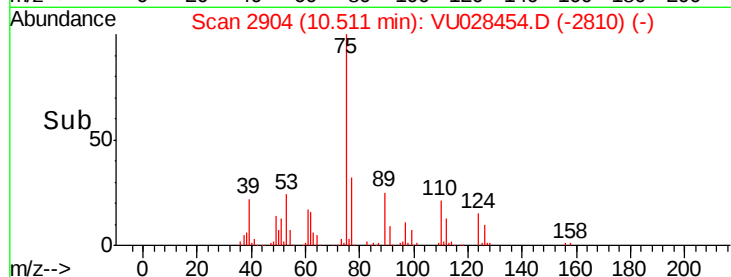
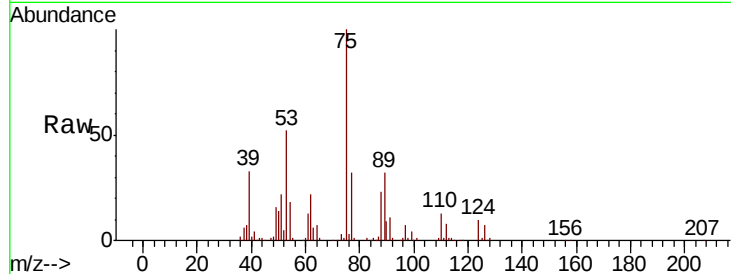
Acq: 03 Dec 2018 20:11

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.725 ug/l

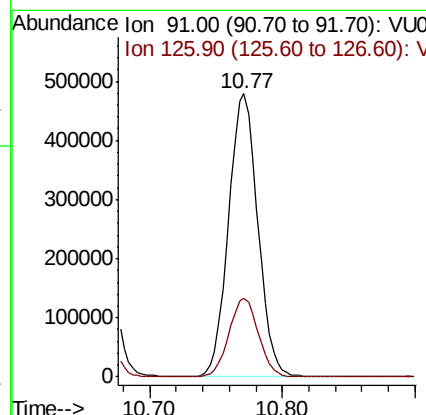
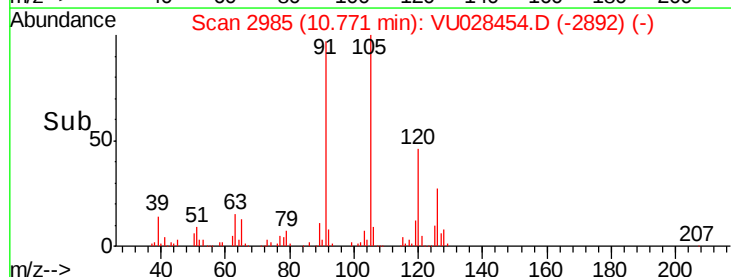
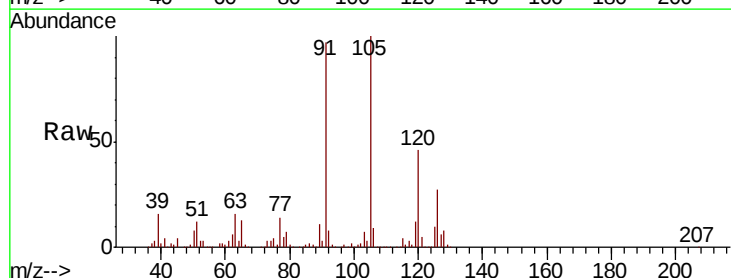
RT: 10.77 min Scan# 2985

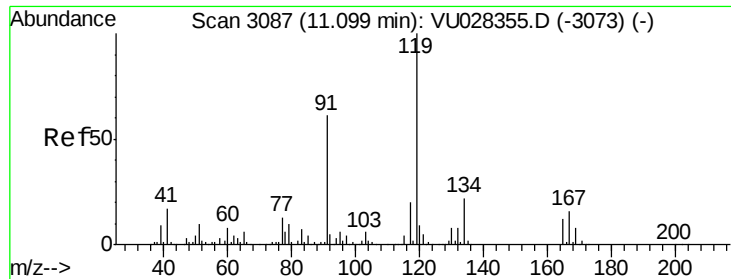
Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.6





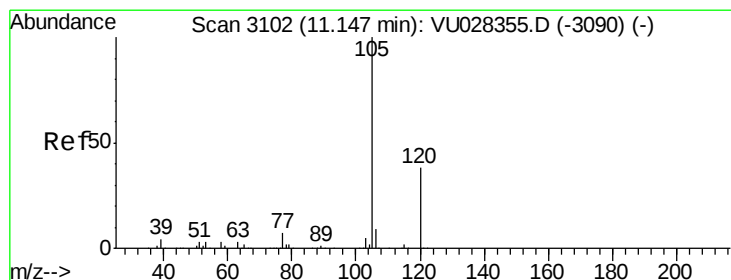
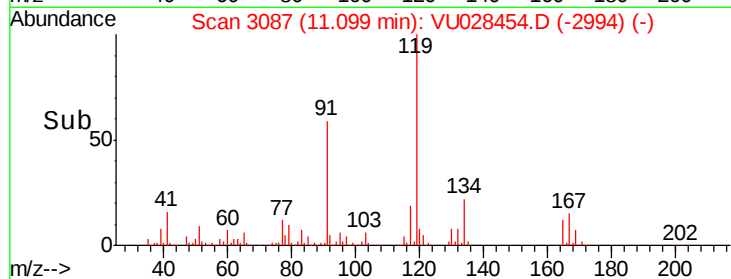
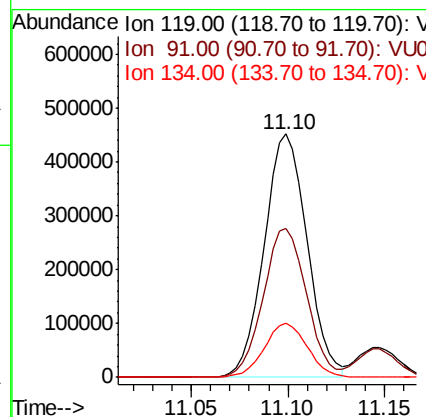
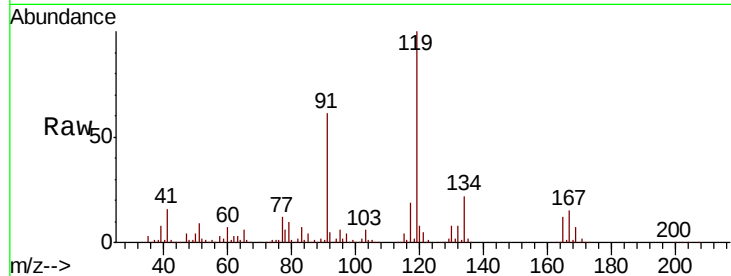
#83
 tert-Butylbenzene
 Concen: 46.339 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	695996		
91	62.1		30.8	92.4
134	22.4		11.1	33.1

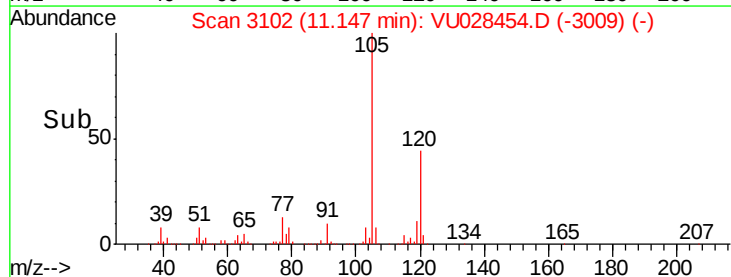
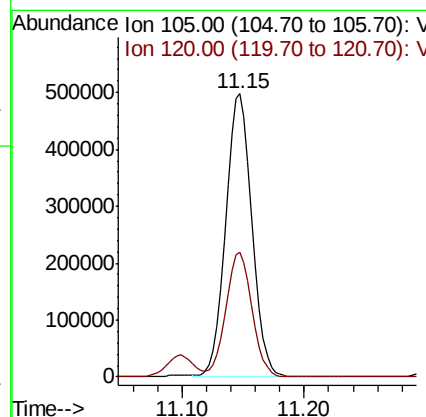
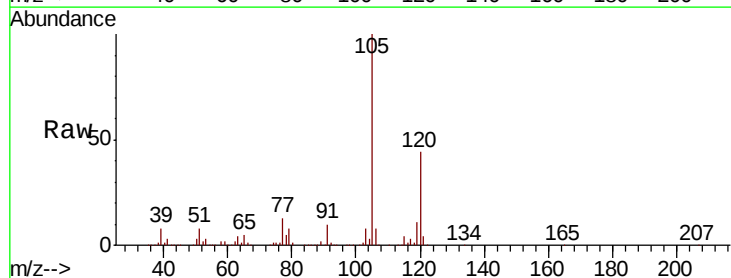
Manual Integrations
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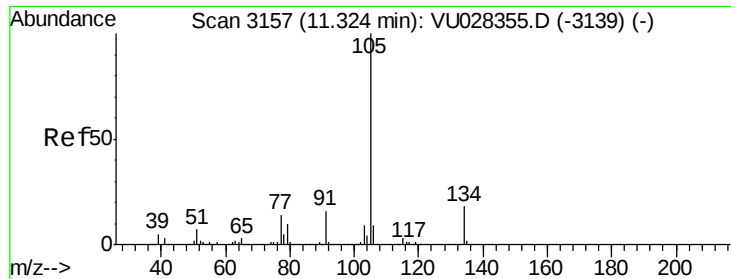
MMDadoda
 12/4/2018 11:18:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.010 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	750857		
120	43.9		21.4	64.3





#85

sec-Butylbenzene

Concen: 46.535 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 907805

Ion Ratio Lower Upper

105 100

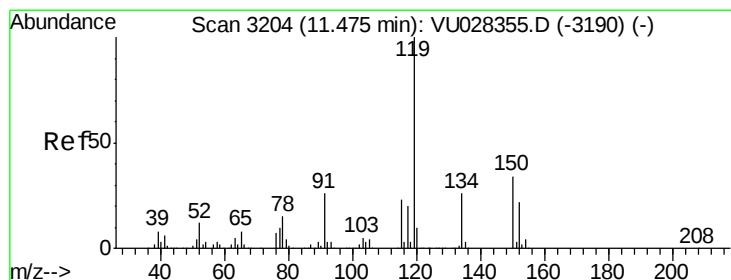
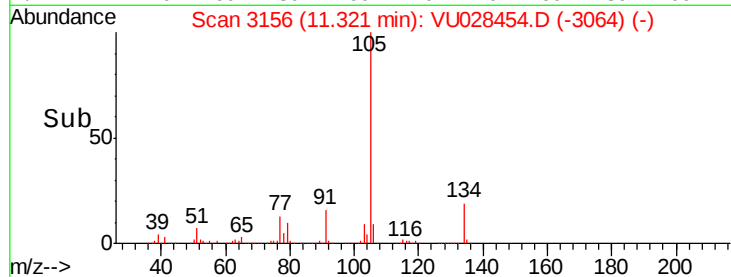
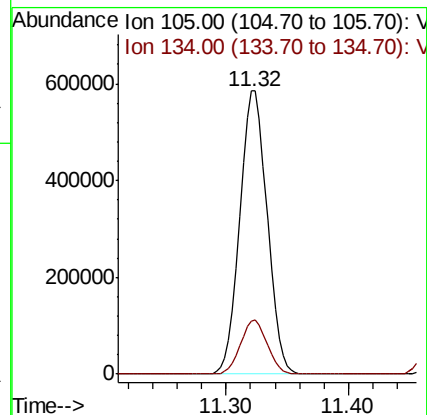
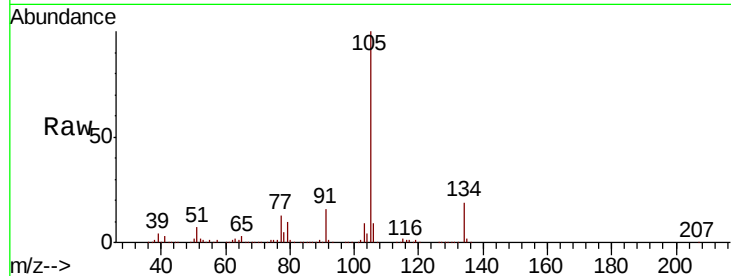
134 18.6 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 47.417 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

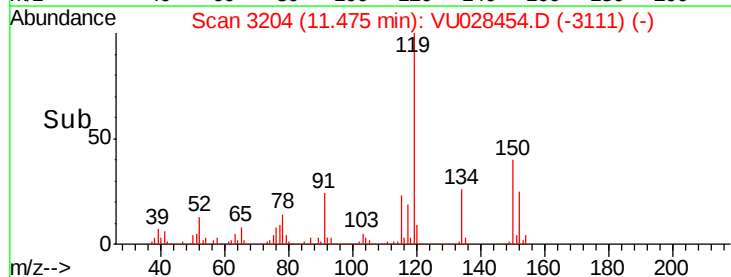
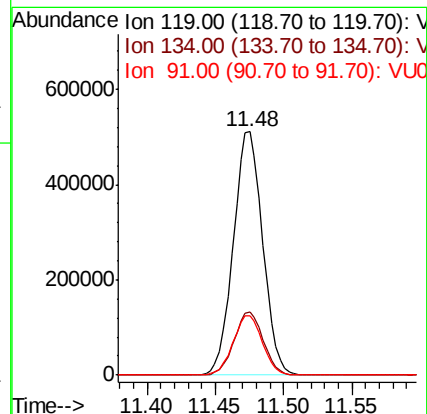
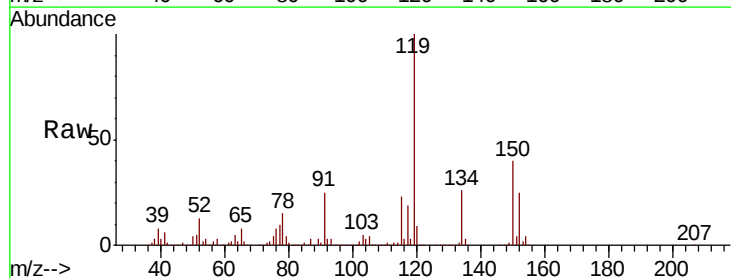
Tgt Ion:119 Resp: 760590

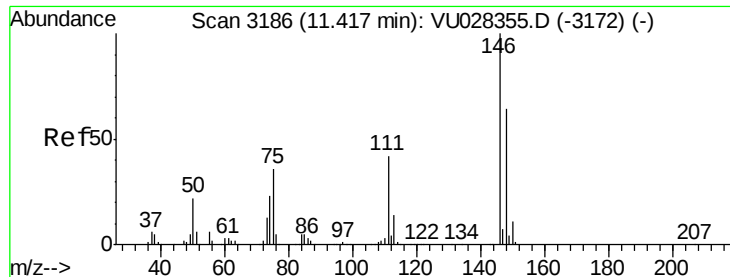
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 24.6 13.1 39.1





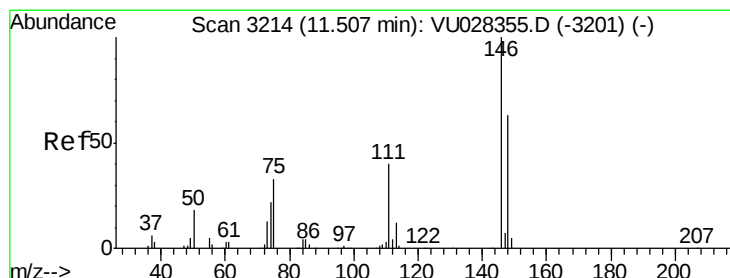
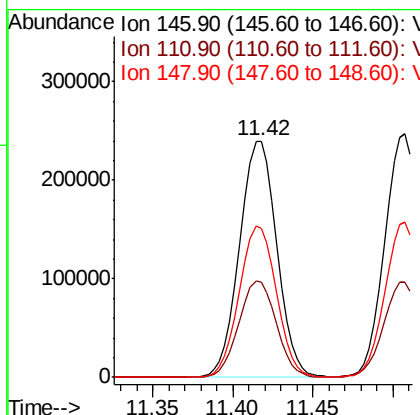
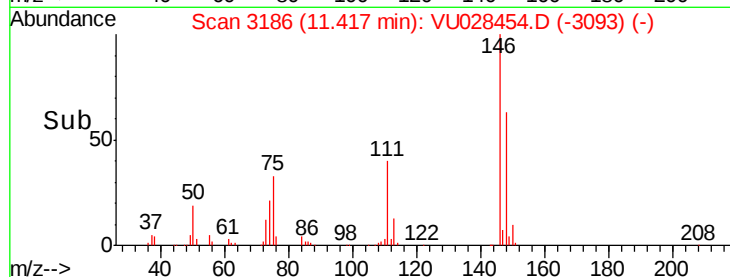
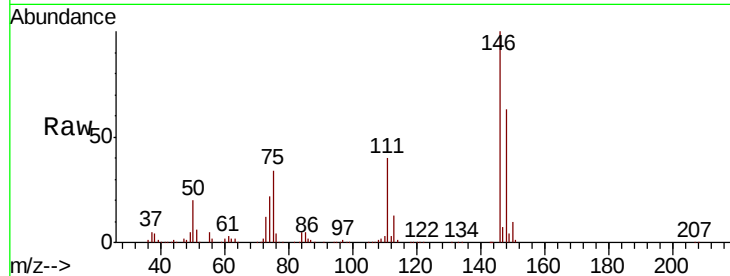
#87
 1,3-Dichlorobenzene
 Concen: 46.333 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	63.9	31.8	95.3

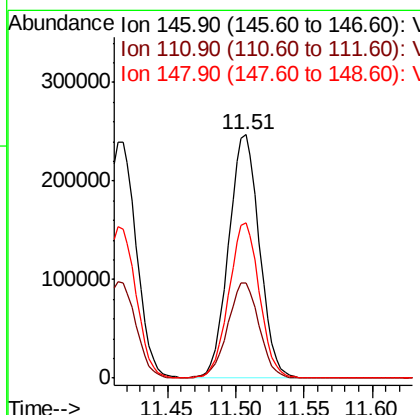
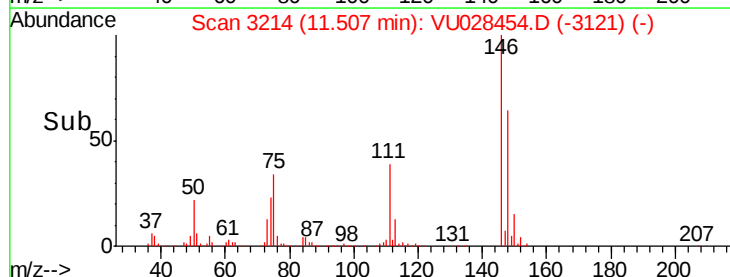
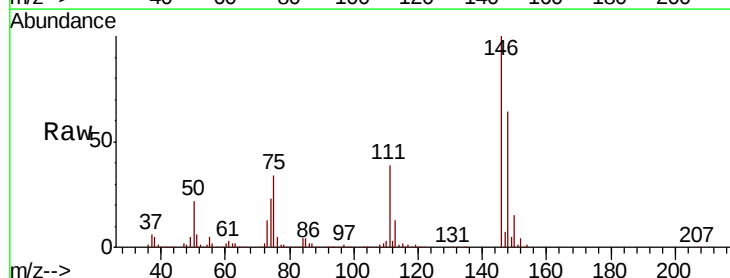
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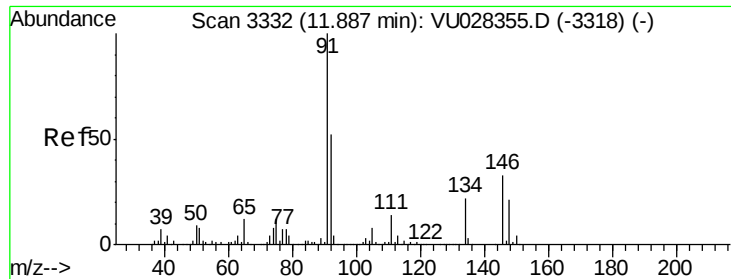
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#88
 1,4-Dichlorobenzene
 Concen: 46.709 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.9
148	63.3	31.1	93.5





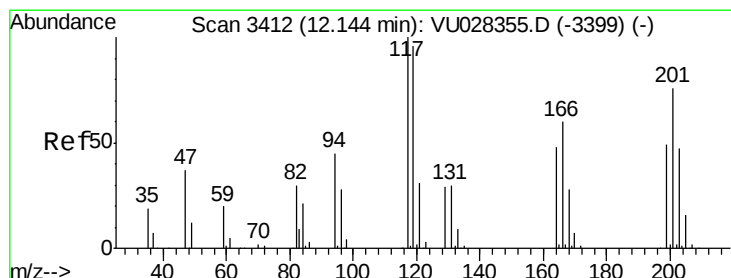
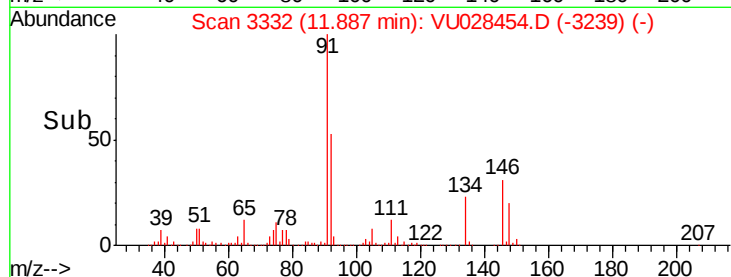
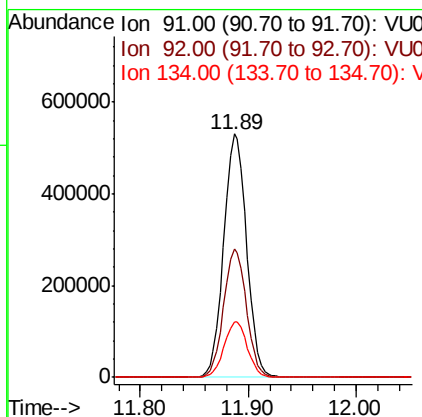
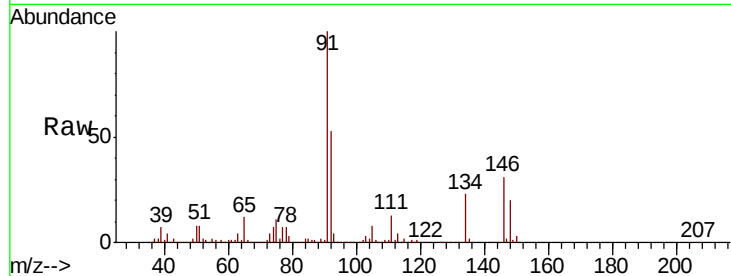
#89
n-Butylbenzene
Concen: 49.429 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	23.1	11.1	33.1

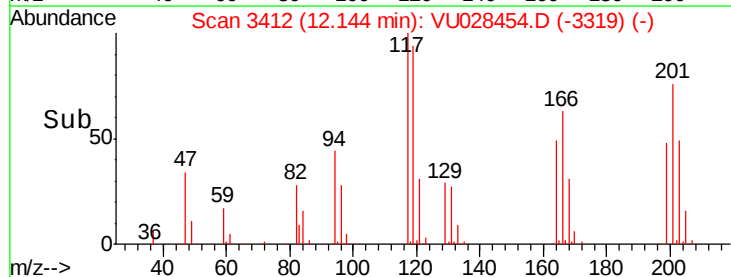
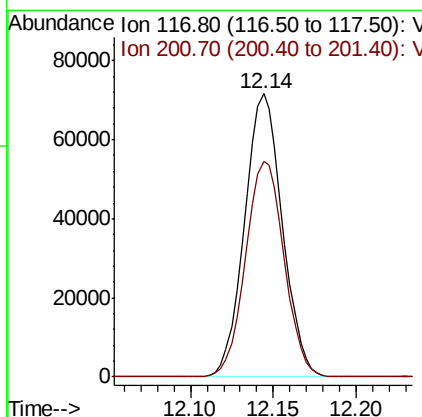
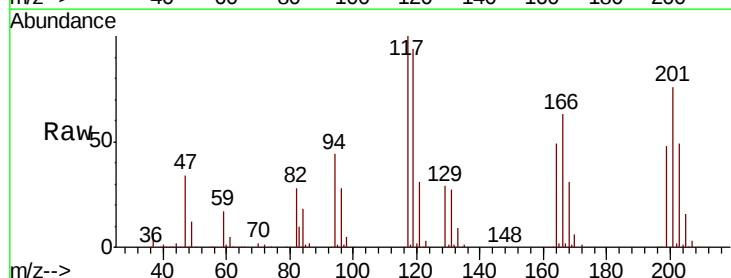
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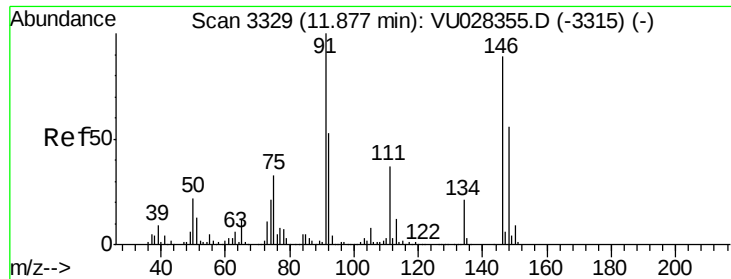
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#90
Hexachloroethane
Concen: 45.179 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	37.7	113.1





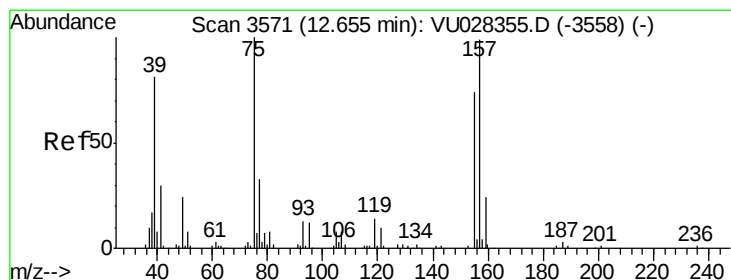
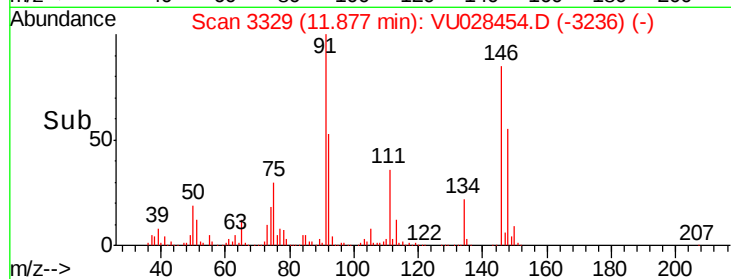
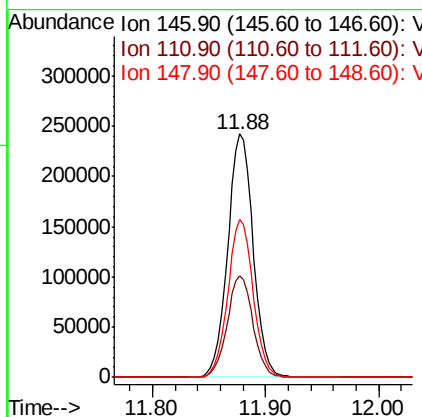
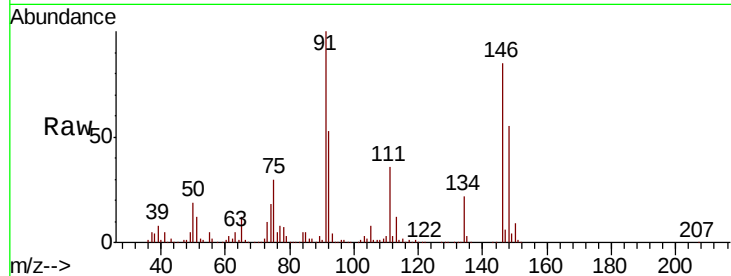
#91
 1,2-Dichlorobenzene
 Concen: 46.191 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	64.3	32.2	96.6

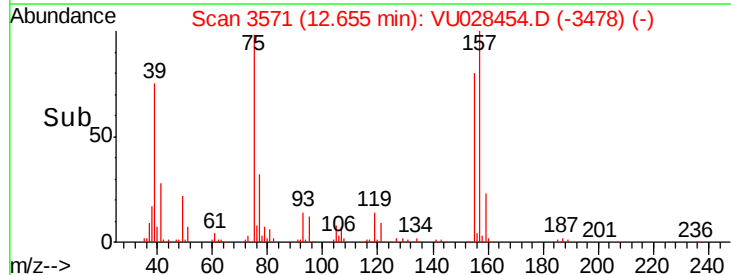
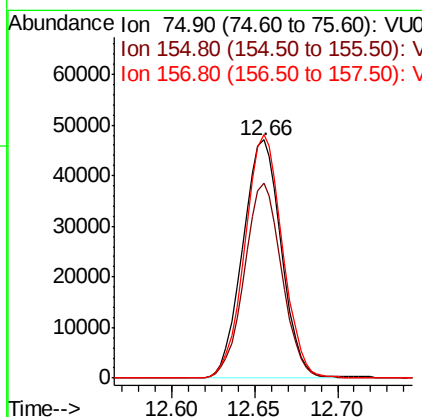
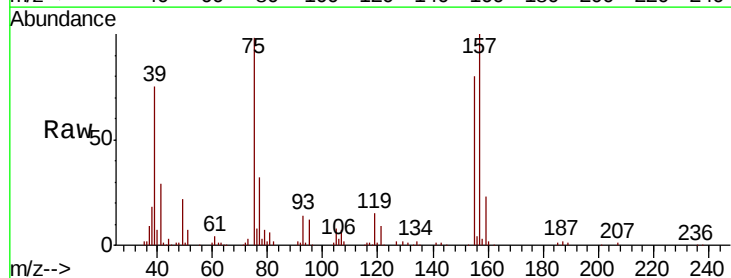
Manual Integrations
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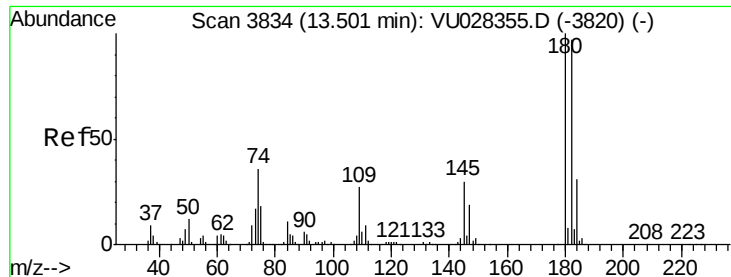
MMDadoda
 12/4/2018 11:18:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.400 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	36.9	110.7
157	100.1	47.5	142.5





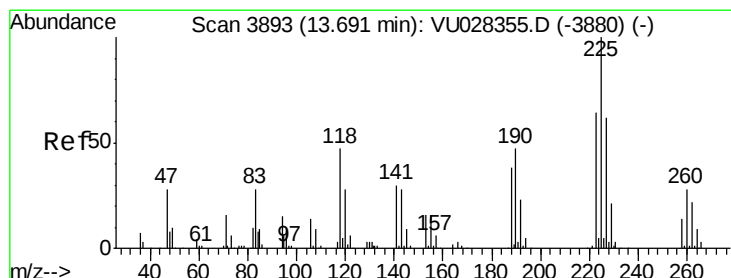
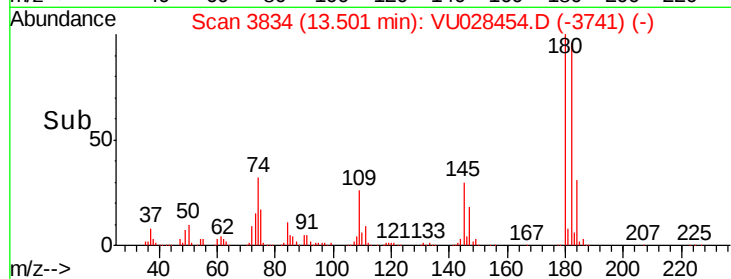
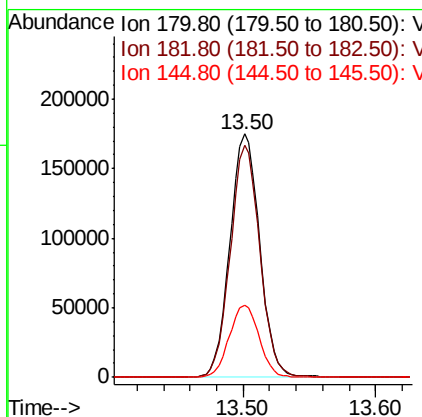
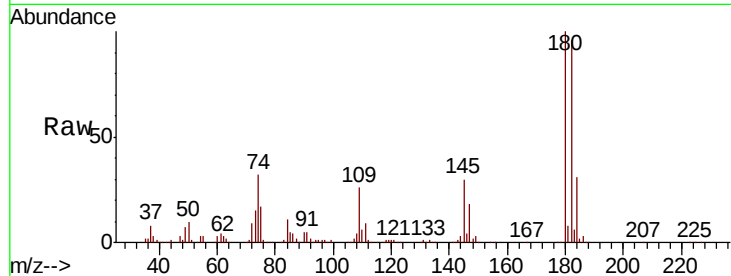
#93
 1,2,4-Trichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	29.9	15.2	45.5

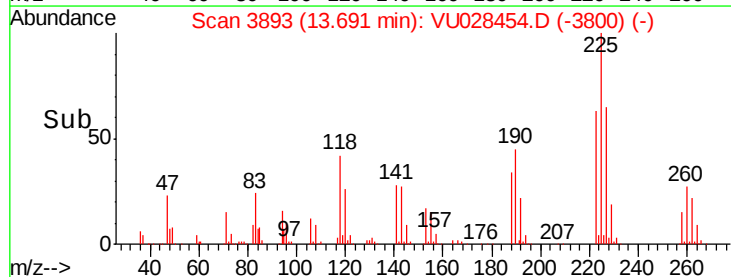
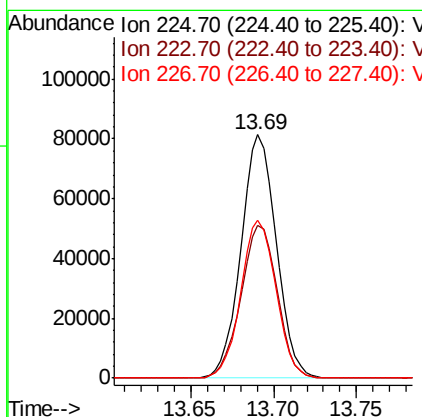
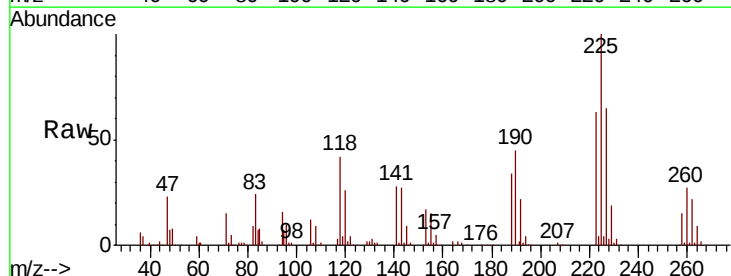
Manual Integrations
 APPROVED

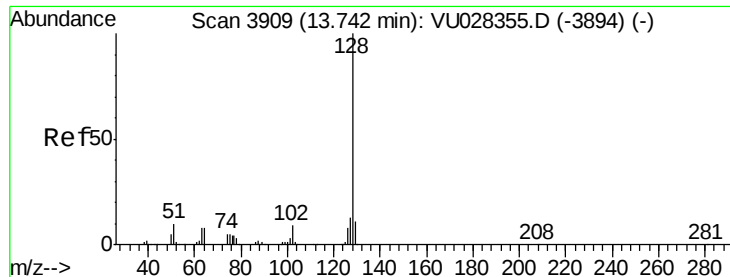
MMDadoda
 12/4/2018 11:18:37 AM



#94
 Hexachlorobutadiene
 Concen: 47.675 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.6	94.7
227	64.6	30.8	92.4





#95

Naphthalene

Concen: 46.206 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

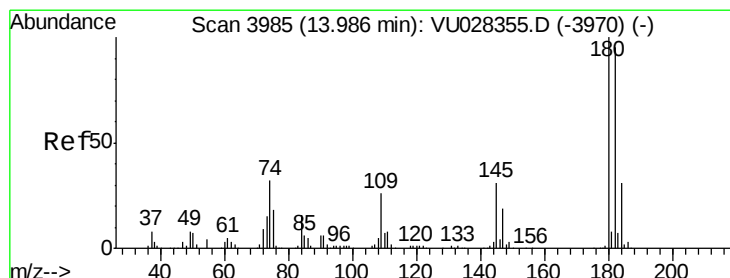
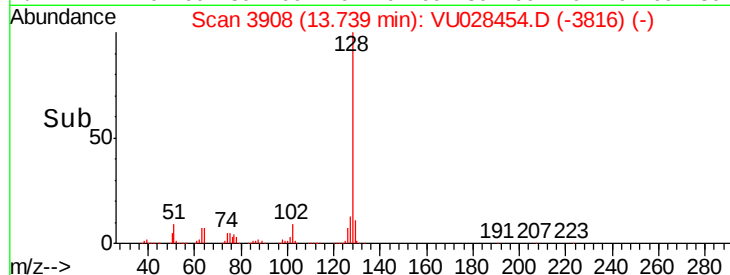
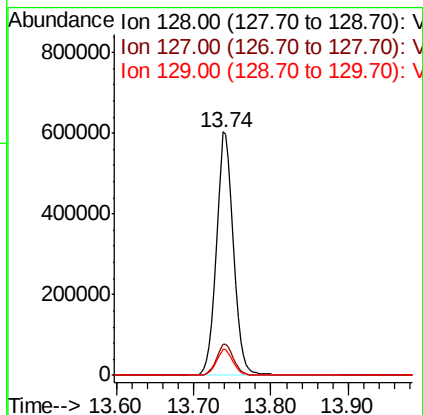
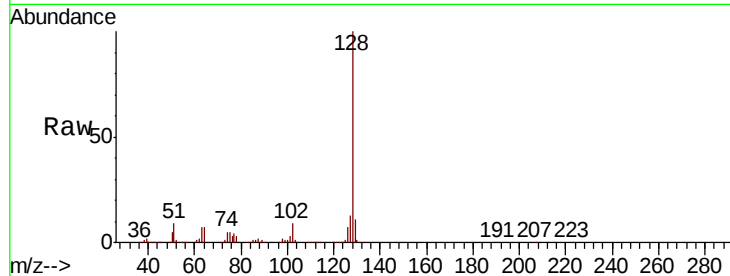
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	951276
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 11:18:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.095 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion:	180	Resp:	271880
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.7	143.1
145	30.6	15.7	47.1

