

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028428.D
 Acq On : 03 Dec 2018 09:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 11:18:24 AM

Quant Time: Dec 04 07:04:41 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	315698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	536591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	502849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	253644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	231733	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
35) Dibromofluoromethane	4.88	113	170386	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	7.57	98	686268	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	10.30	95	260183	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	194874	46.015	ug/l	100
3) Chloromethane	1.33	50	348638	42.471	ug/l	99
4) Vinyl Chloride	1.40	62	265577	46.240	ug/l	99
5) Bromomethane	1.62	94	102560	46.170	ug/l	99
6) Chloroethane	1.69	64	150438	45.520	ug/l	97
7) Trichlorofluoromethane	1.88	101	285159	47.799	ug/l	100
8) Diethyl Ether	2.10	74	130628	47.102	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	172531	49.645	ug/l	99
10) Methyl Iodide	2.41	142	118579	36.183	ug/l	96
11) Tert butyl alcohol	2.82	59	278749	232.556	ug/l	98
12) 1,1-Dichloroethene	2.28	96	168270	49.893	ug/l	92
13) Acrolein	2.19	56	228936	214.841	ug/l	99
14) Allyl chloride	2.59	41	378567	42.962	ug/l	97
15) Acrylonitrile	2.94	53	732070	230.891	ug/l	100
16) Acetone	2.32	43	916038	283.820	ug/l	100
17) Carbon Disulfide	2.48	76	570440	44.066	ug/l	99
18) Methyl Acetate	2.61	43	407591	45.358	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	652117	47.163	ug/l	97
20) Methylene Chloride	2.70	84	211627	46.483	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	189177	48.366	ug/l	93
22) Diisopropyl ether	3.57	45	792292	45.670	ug/l	98
23) Vinyl Acetate	3.52	43	3281052	227.534	ug/l	99
24) 1,1-Dichloroethane	3.45	63	400661	46.843	ug/l	99
25) 2-Butanone	4.26	43	1163030	251.436	ug/l	98
26) 2,2-Dichloropropane	4.23	77	321964	47.397	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	217101	46.933	ug/l	96
28) Bromochloromethane	4.55	49	191085	44.679	ug/l	94
29) Tetrahydrofuran	4.64	42	683172	227.480	ug/l	97
30) Chloroform	4.67	83	361291	45.763	ug/l	97
31) Cyclohexane	5.00	56	392081	44.613	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	296210	46.757	ug/l	99
36) 1,1-Dichloropropene	5.14	75	285485	48.619	ug/l	99
37) Ethyl Acetate	4.38	43	386642	48.318	ug/l	98
38) Carbon Tetrachloride	5.13	117	238683	49.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	355372	51.332	ug/l	97
40) Benzene	5.39	78	861975	49.564	ug/l	100
41) Methacrylonitrile	4.54	41	214987	48.379	ug/l	96
42) 1,2-Dichloroethane	5.40	62	298155	47.590	ug/l	98
43) Isopropyl Acetate	5.55	43	611530	48.227	ug/l	97
44) Trichloroethene	6.19	130	191563	51.388	ug/l	97
45) 1,2-Dichloropropane	6.43	63	245998	48.303	ug/l	100
46) Dibromomethane	6.56	93	146498	50.079	ug/l	99
47) Bromodichloromethane	6.76	83	282402	48.534	ug/l	98
48) Methyl methacrylate	6.62	41	311240	47.120	ug/l	98
49) 1,4-Dioxane	6.61	88	108923	1032.252	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1922373	237.366	ug/l	97
52) Toluene	7.64	92	516382	51.563	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	346780	49.841	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	370044	49.645	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	201619	48.374	ug/l	98
56) Ethyl methacrylate	8.02	69	354295	49.967	ug/l	99
57) 1,3-Dichloropropane	8.24	76	370832	48.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	909427	238.894	ug/l	98
59) 2-Hexanone	8.36	43	1585468	252.732	ug/l	98
60) Dibromochloromethane	8.48	129	198905	50.178	ug/l	100
61) 1,2-Dibromoethane	8.58	107	220882	51.744	ug/l	98
64) Tetrachloroethene	8.22	164	164013	49.585	ug/l	98
65) Chlorobenzene	9.12	112	531562	50.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	177651	49.637	ug/l	99
67) Ethyl Benzene	9.25	91	1005585	51.135	ug/l	98
68) m/p-Xylenes	9.37	106	733491	103.626	ug/l	98
69) o-Xylene	9.78	106	358579	50.960	ug/l	97
70) Styrene	9.79	104	593104	52.264	ug/l	99
71) Bromoform	9.96	173	153107	50.896	ug/l	# 99
73) Isopropylbenzene	10.17	105	941575	47.730	ug/l	99
74) N-amyl acetate	10.01	43	538158	43.541	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	371481	45.792	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	328015m	46.634	ug/l	
77) Bromobenzene	10.45	156	221461	47.643	ug/l	95
78) n-propylbenzene	10.58	91	1196260	49.156	ug/l	98
79) 2-Chlorotoluene	10.66	91	679617	47.373	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	798527	48.034	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	121392m	45.812	ug/l	
82) 4-Chlorotoluene	10.77	91	803323	48.601	ug/l	99
83) tert-Butylbenzene	11.10	119	762029	49.173	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	818954	48.637	ug/l	98
85) sec-Butylbenzene	11.32	105	988587	49.115	ug/l	99
86) p-Isopropyltoluene	11.48	119	840365	50.776	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	417956	49.299	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	426626	50.001	ug/l	99
89) n-Butylbenzene	11.89	91	874351	53.529	ug/l	99
90) Hexachloroethane	12.14	117	127615	49.389	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	415376	49.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	84234	46.681	ug/l	96

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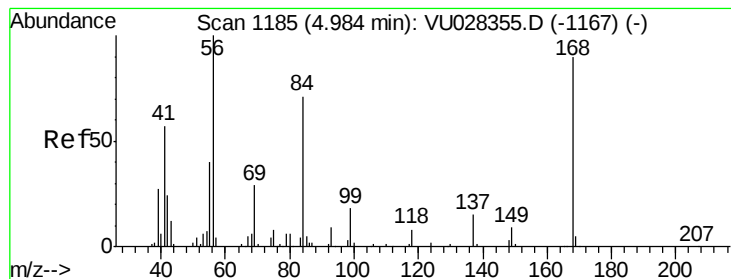
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	308719	55.758	ug/l	99
94) Hexachlorobutadiene	13.69	225	135101	51.675	ug/l	97
95) Naphthalene	13.74	128	1030518	48.371	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	302677	54.052	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: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 315698

Ion Ratio Lower Upper

168 100

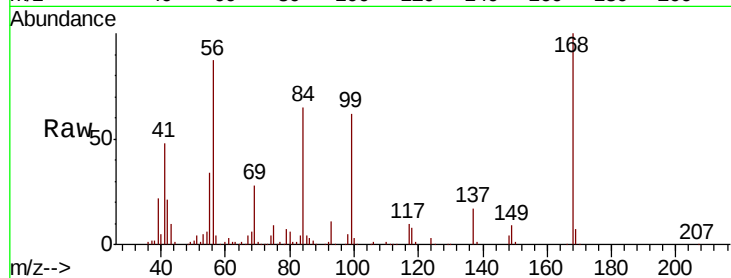
99 61.7 49.6 74.4

Manual Integrations

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12/4/2018 11:18:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

150000

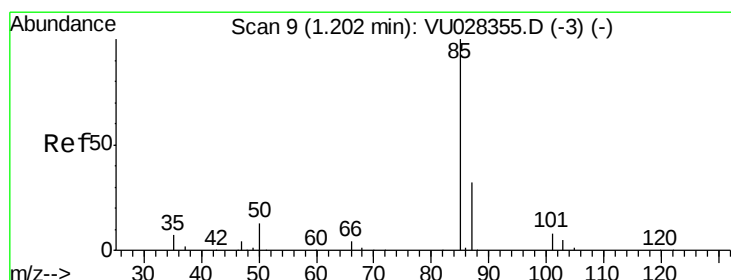
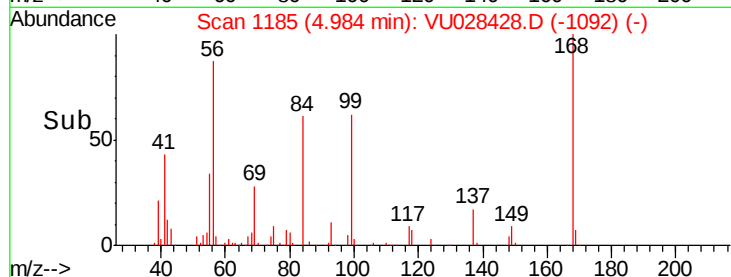
100000

50000

0

4.90 4.98 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.015 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028428.D

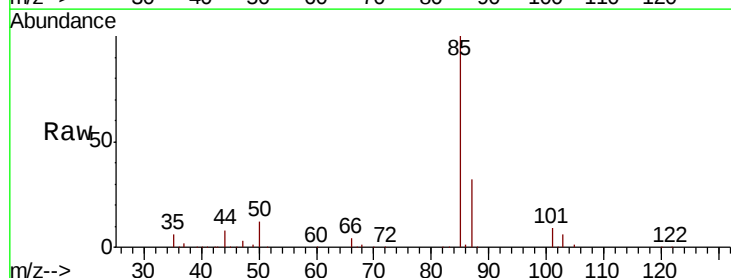
Acq: 03 Dec 2018 09:50

Tgt Ion: 85 Resp: 194874

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

200000

150000

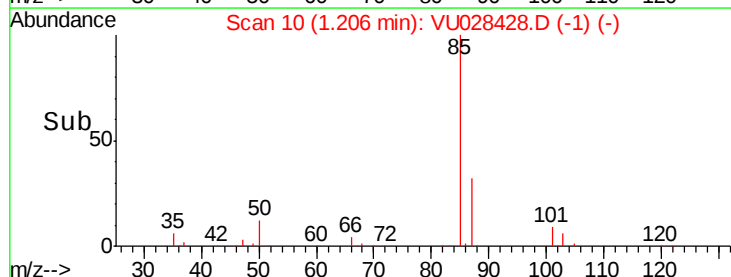
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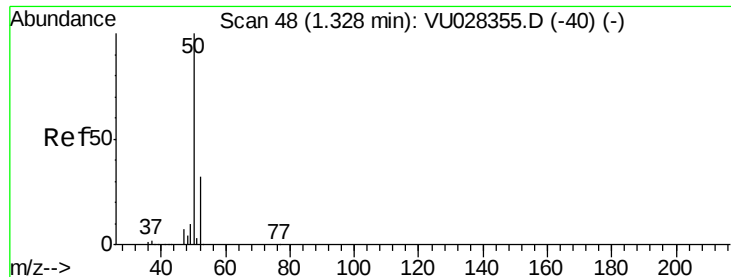
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.471 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 348638

Ion Ratio Lower Upper

50 100

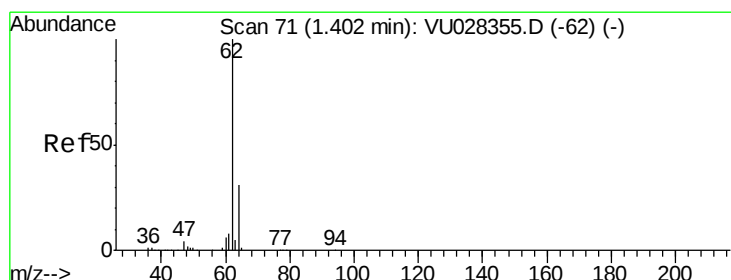
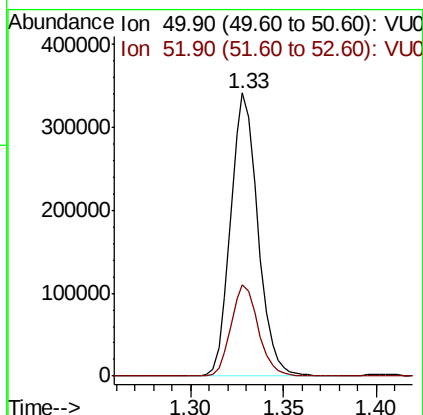
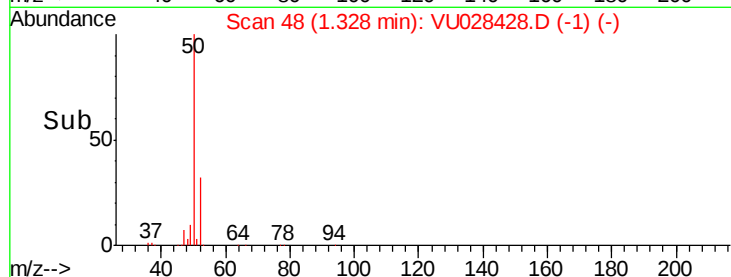
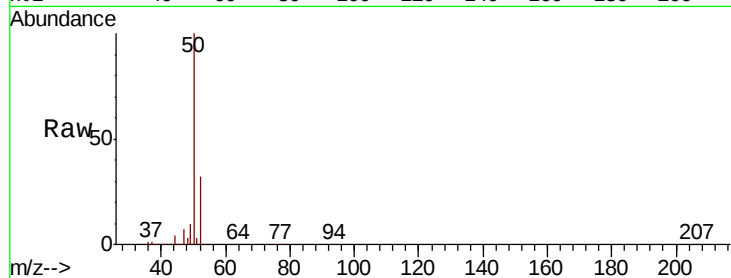
52 32.4 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.240 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028428.D

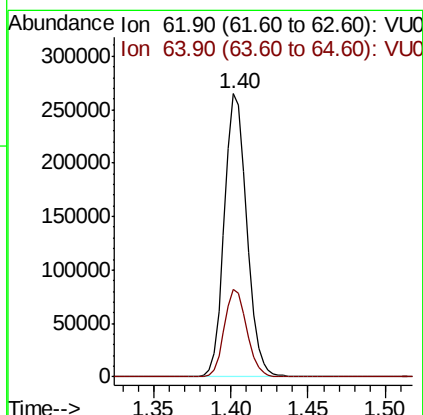
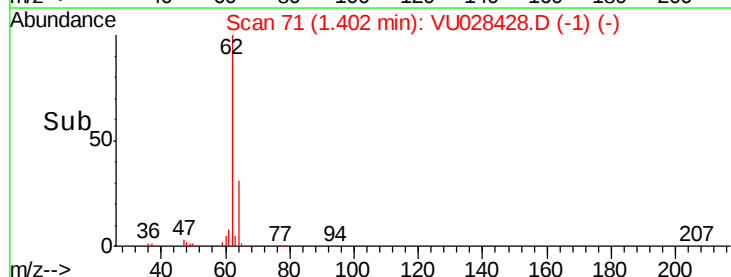
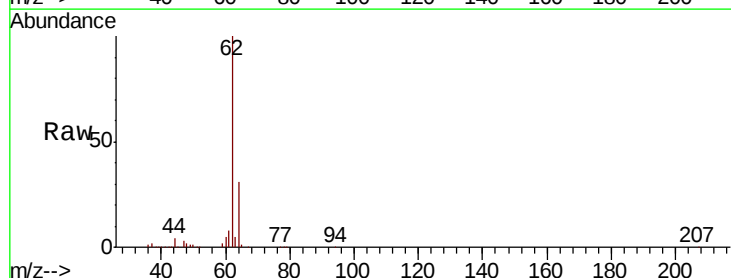
Acq: 03 Dec 2018 09:50

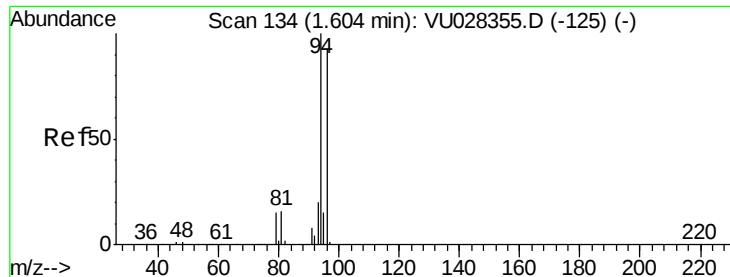
Tgt Ion: 62 Resp: 265577

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 46.170 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 102560

Ion Ratio Lower Upper

94 100

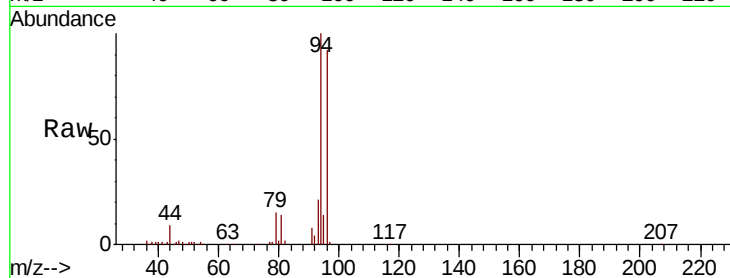
96 92.4 74.6 112.0

Manual Integrations

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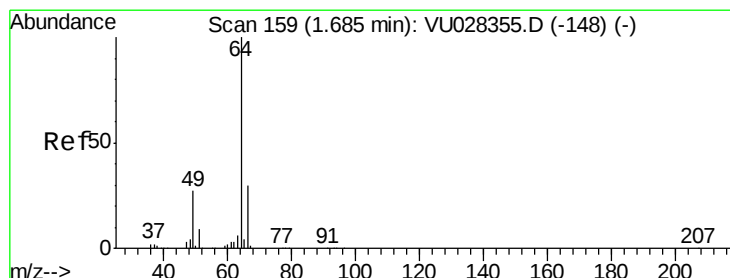
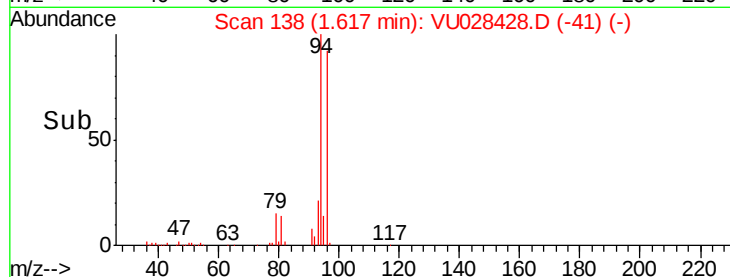
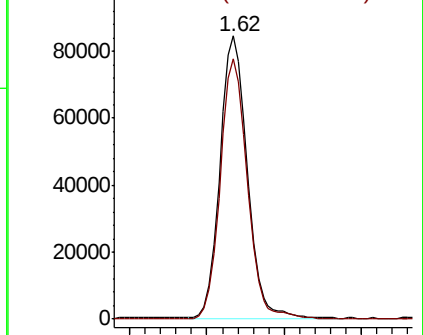
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12/4/2018 11:18:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.520 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028428.D

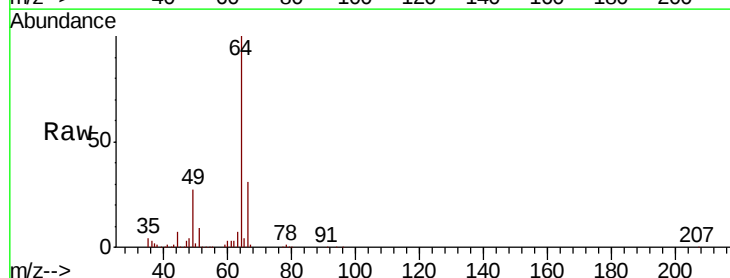
Acq: 03 Dec 2018 09:50

Tgt Ion: 64 Resp: 150438

Ion Ratio Lower Upper

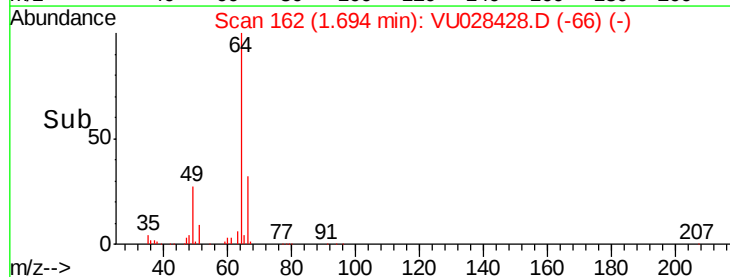
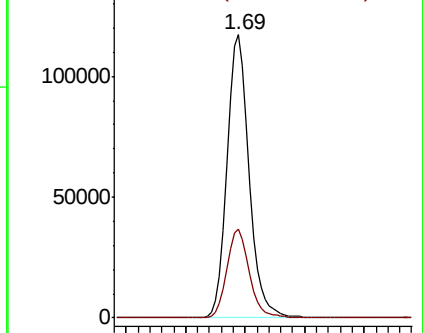
64 100

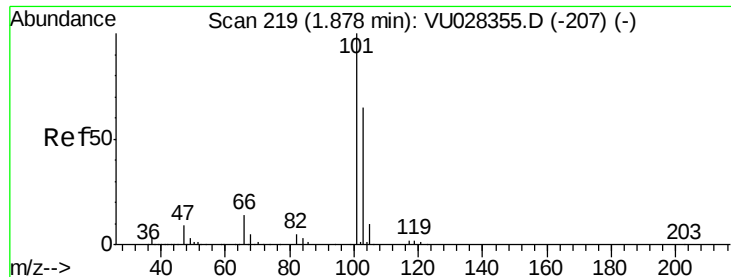
66 31.1 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

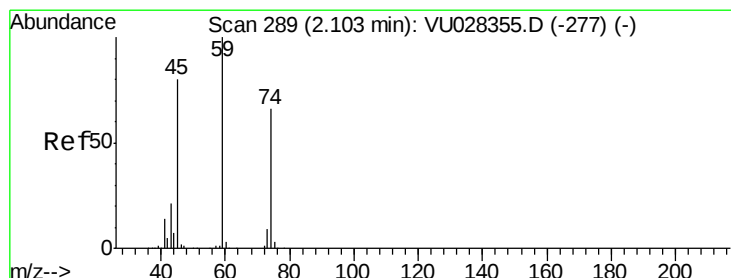
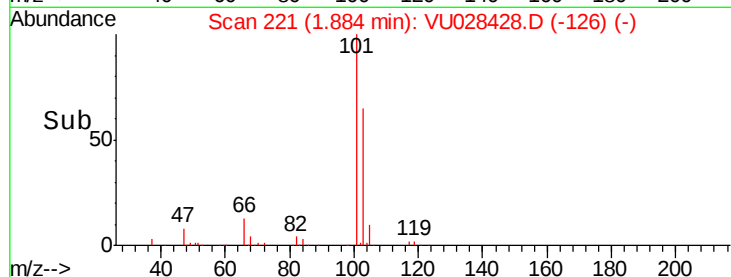
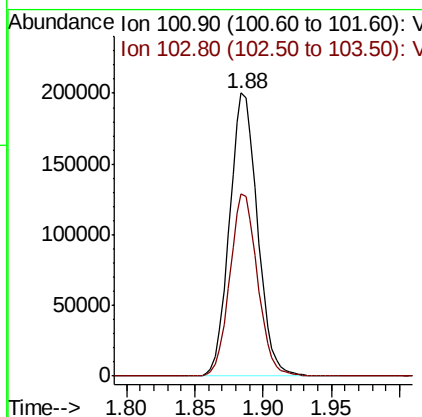
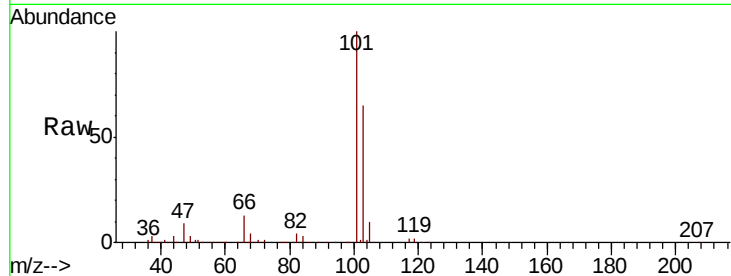
Trichlorofluoromethane
 Concen: 47.799 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

Manual Integrations
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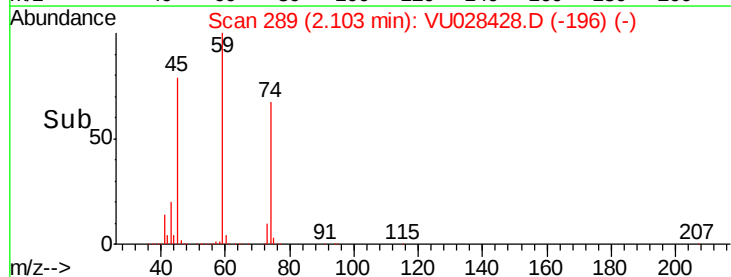
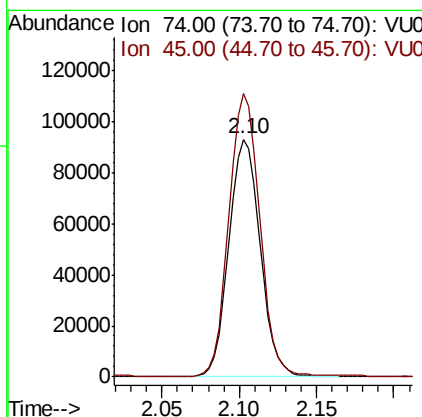
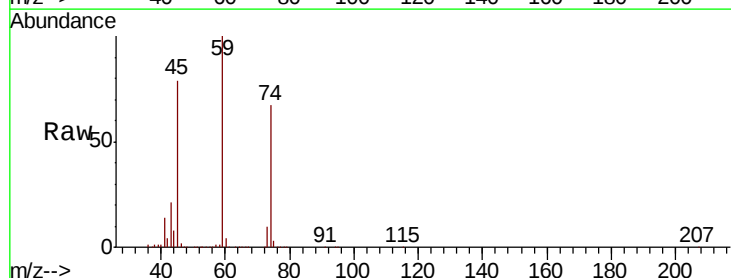
MMDadoda
 12/4/2018 11:18:24 AM

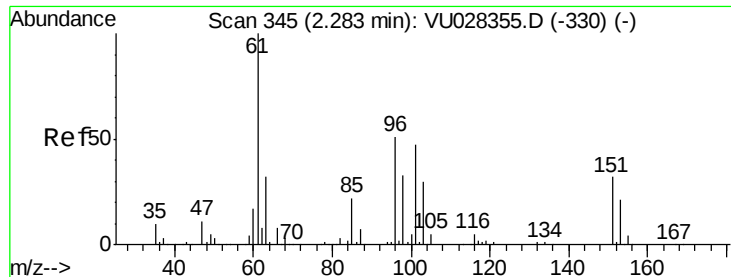


#8

Diethyl Ether
 Concen: 47.102 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.2	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.645 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

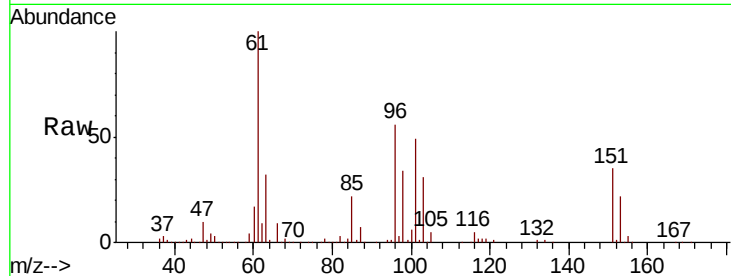
ClientSampleId :

VSTDCCC050

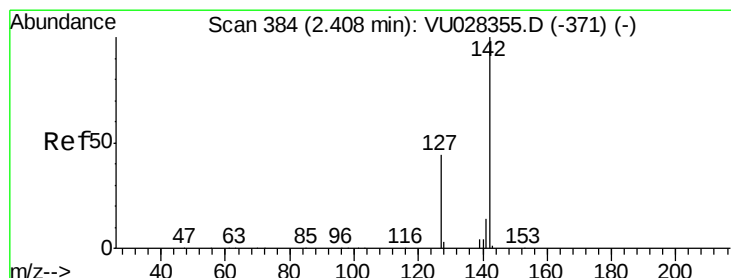
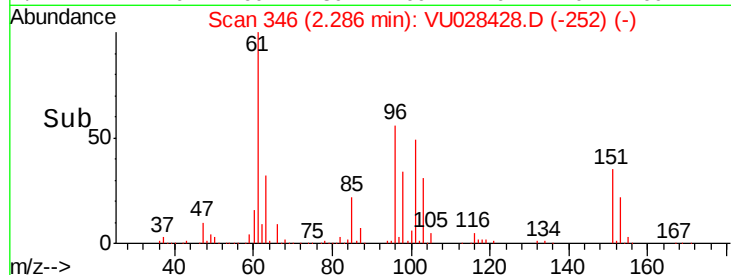
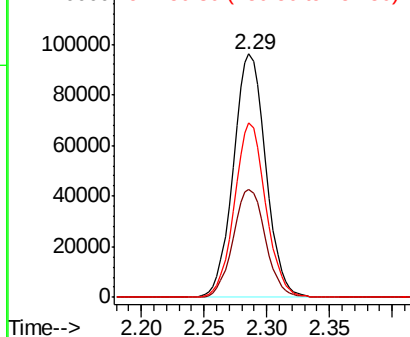
Tot Ion:	101	Resp:	172531
Ion Ratio	Lower	Upper	
101	100		
85	44.5	37.2	55.8
151	69.4	55.4	83.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.183 ug/l

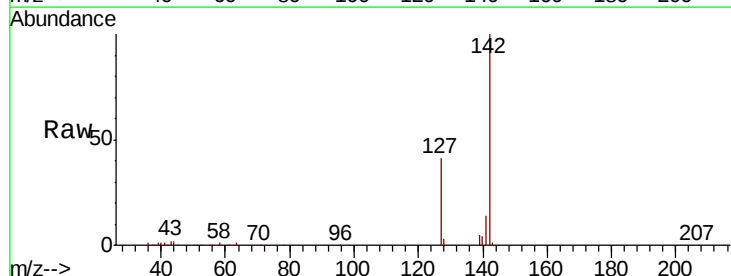
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

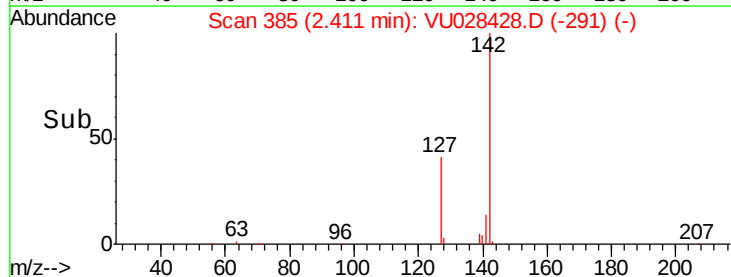
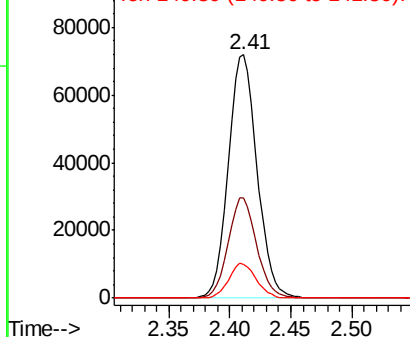
Lab File: VU028428.D

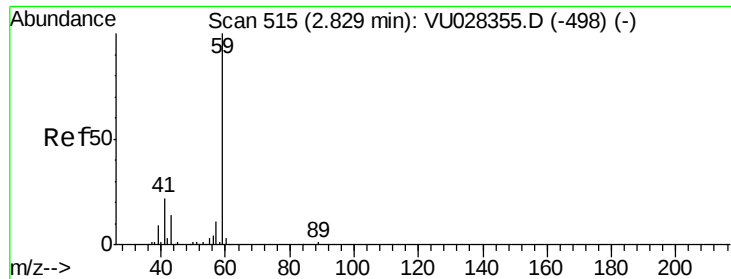
Acq: 03 Dec 2018 09:50

Tgt Ion:	142	Resp:	118579
Ion Ratio	Lower	Upper	
142	100		
127	40.8	35.0	52.6
141	13.8	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

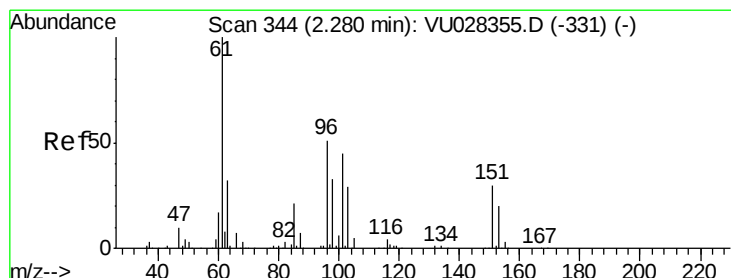
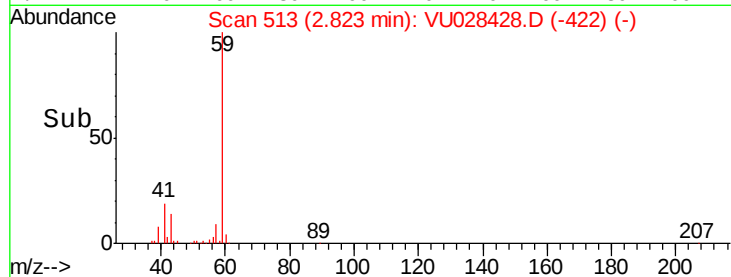
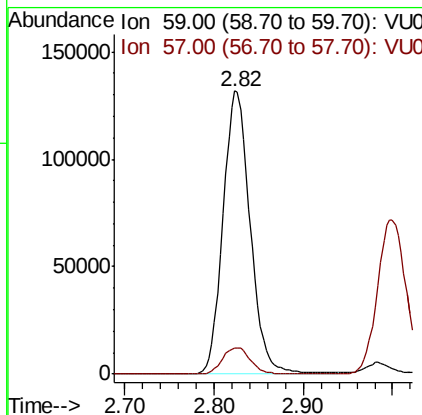
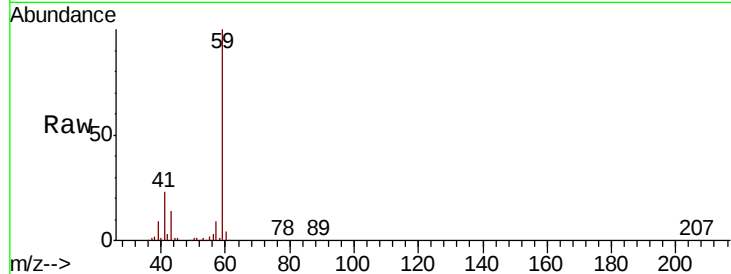
Tert butyl alcohol
 Concen: 232.556 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

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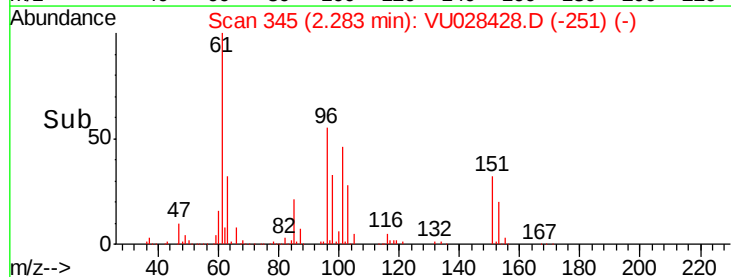
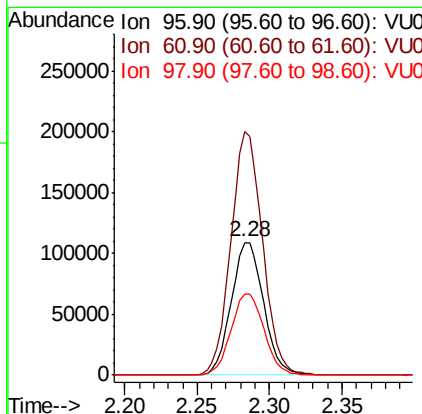
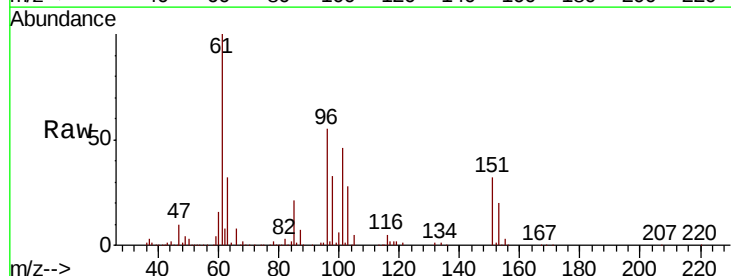
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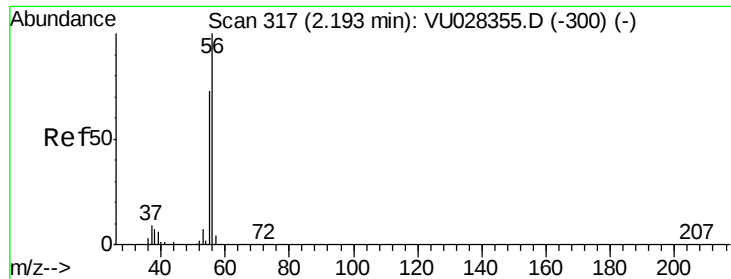


#12

1,1-Dichloroethene
 Concen: 49.893 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	158.1	237.1
98	60.9	51.4	77.2





#13

Acrolein

Concen: 214.841 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 228936

Ion Ratio Lower Upper

56 100

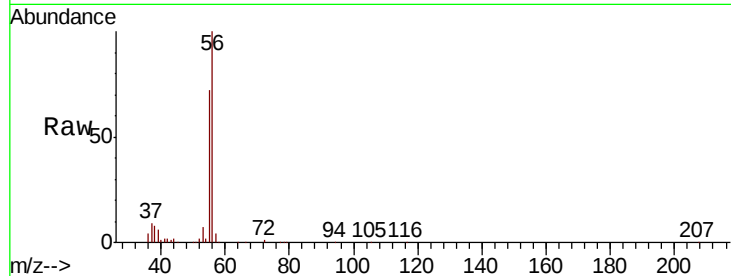
55 71.5 56.6 85.0

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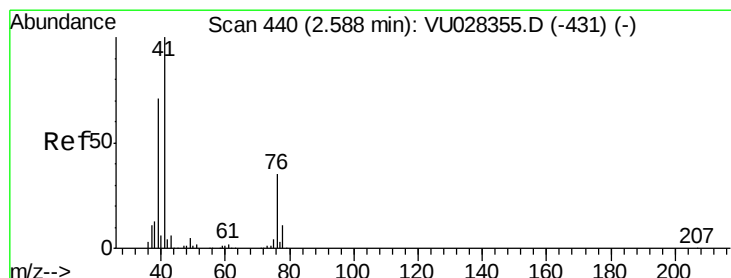
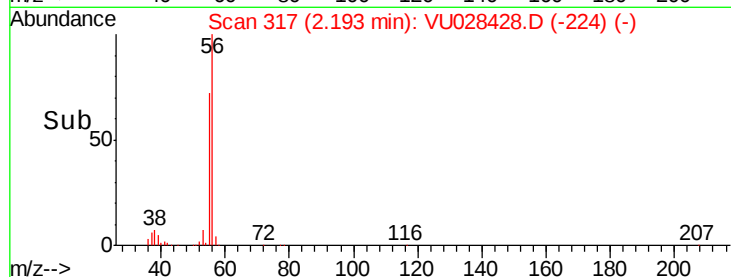
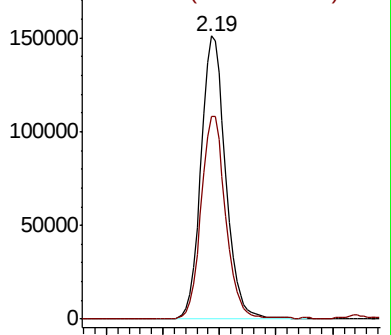
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.962 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

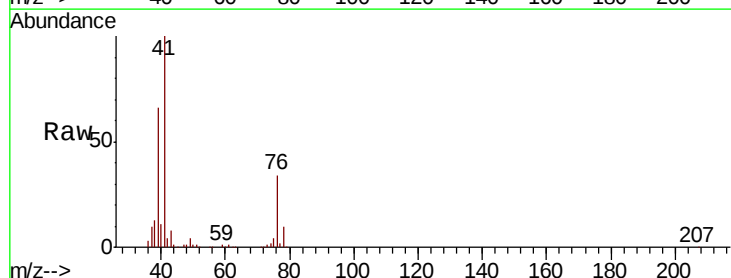
Tgt Ion: 41 Resp: 378567

Ion Ratio Lower Upper

41 100

39 66.2 51.6 77.4

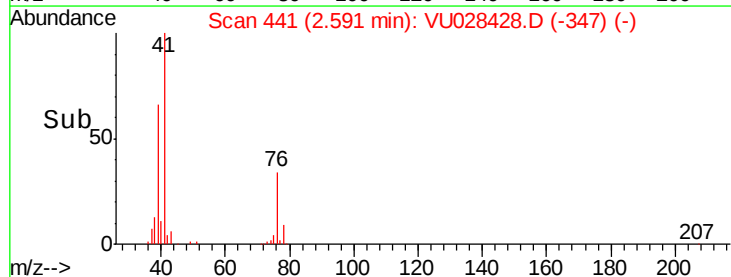
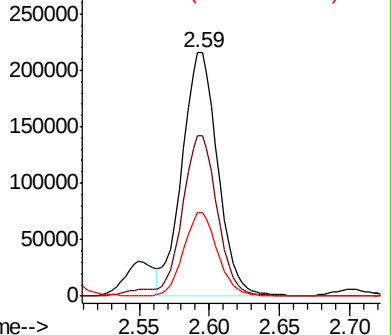
76 32.5 24.4 36.6

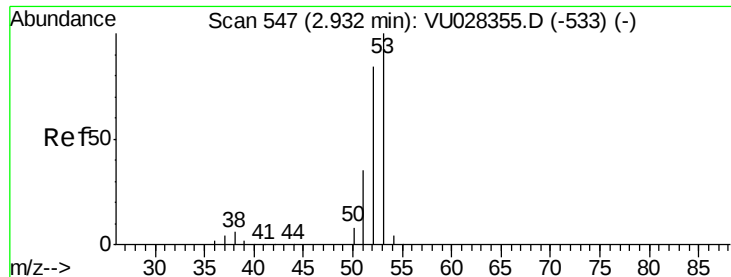


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 230.891 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

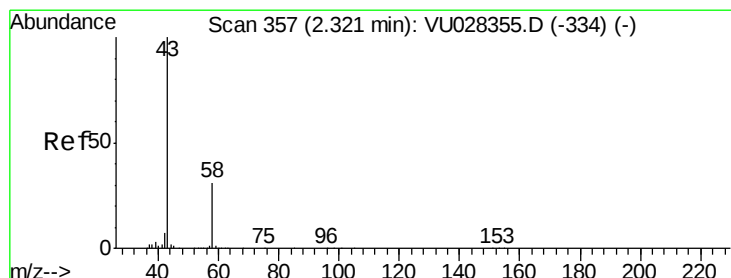
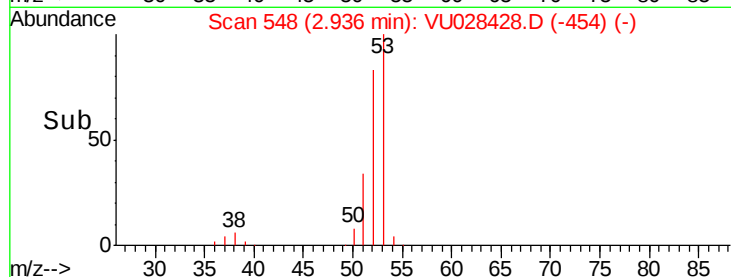
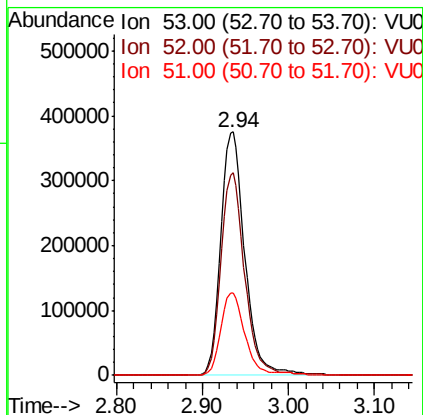
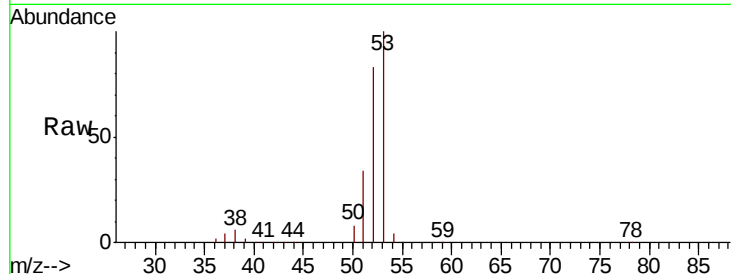
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	732070
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	34.6	27.8	41.6

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#16

Acetone

Concen: 283.820 ug/l

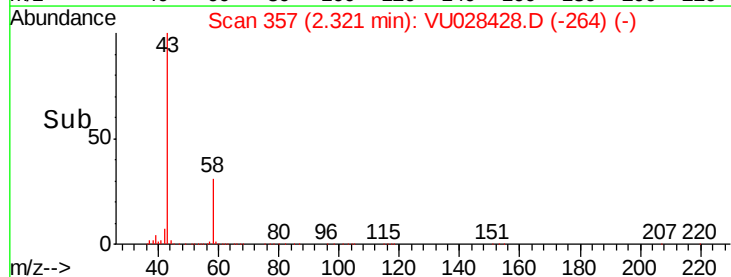
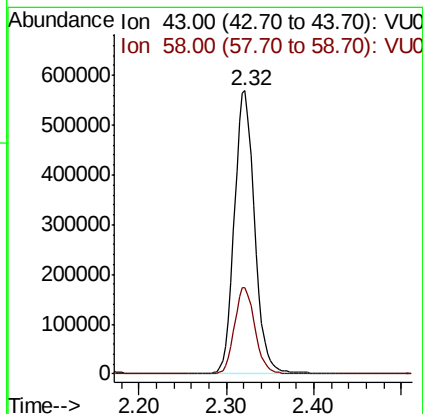
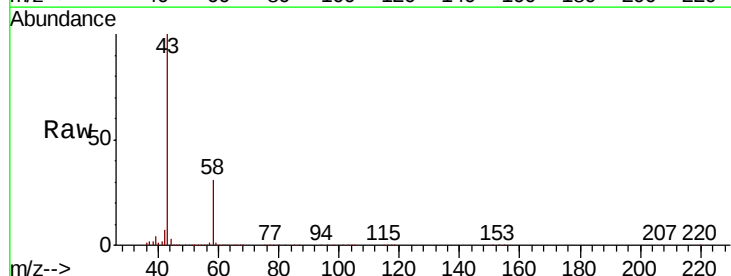
RT: 2.32 min Scan# 357

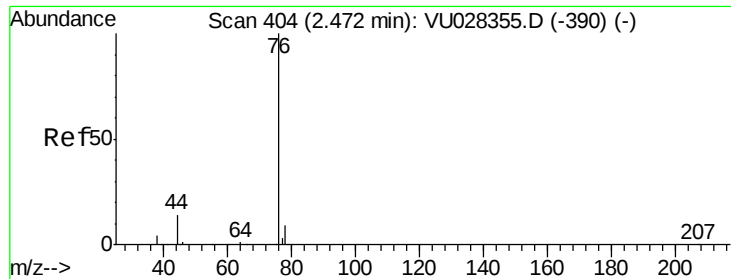
Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion:	43	Resp:	916038
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6





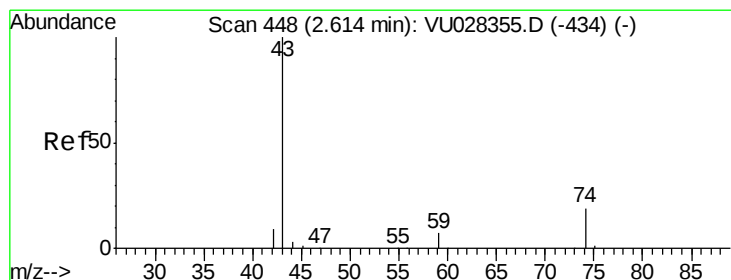
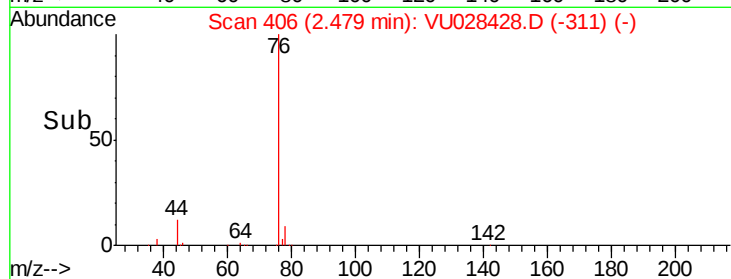
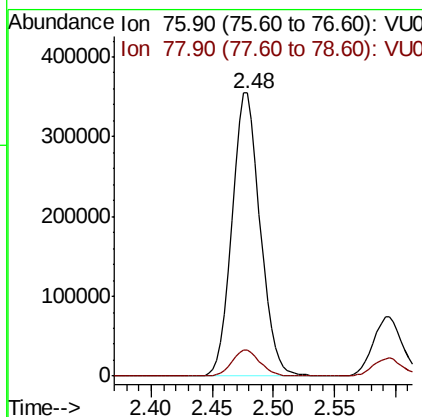
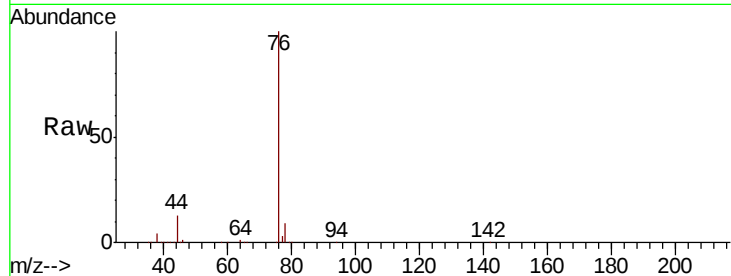
#17
Carbon Disulfide
Concen: 44.066 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

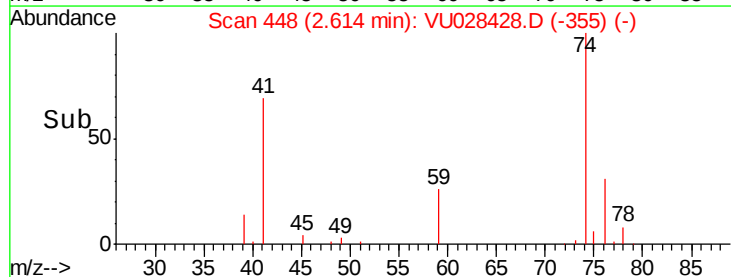
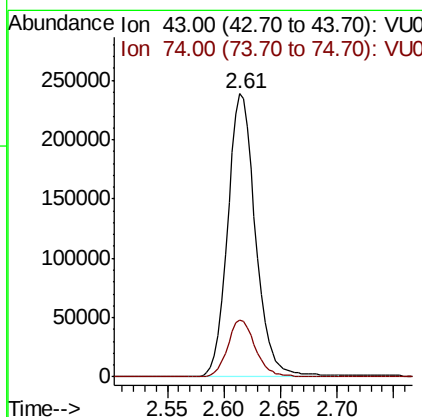
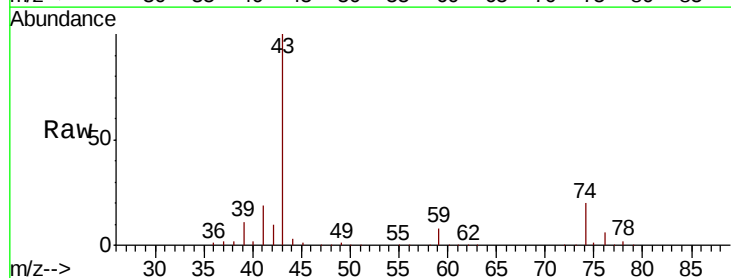
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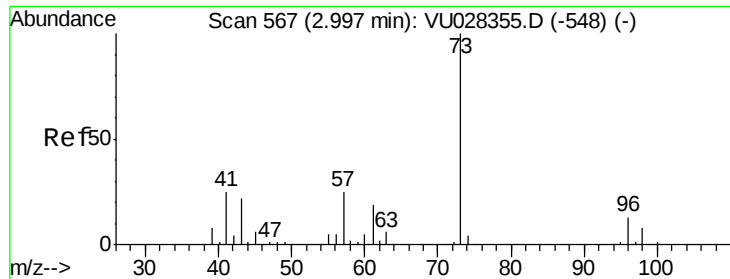
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#18
Methyl Acetate
Concen: 45.358 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	15.3	22.9





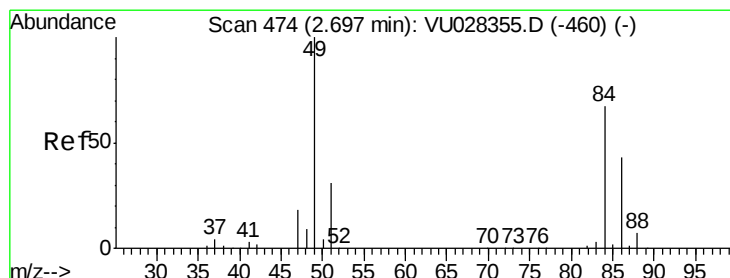
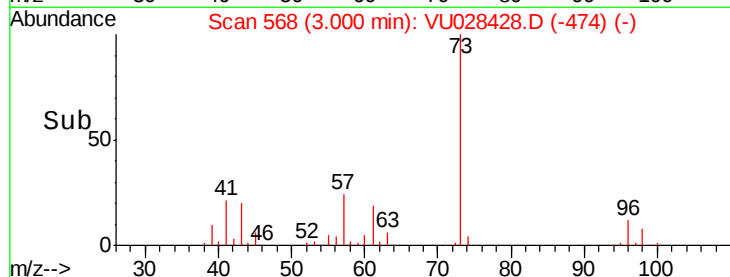
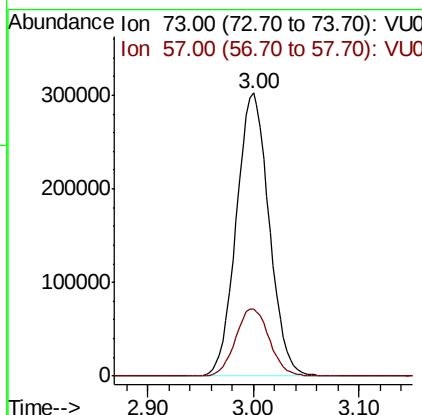
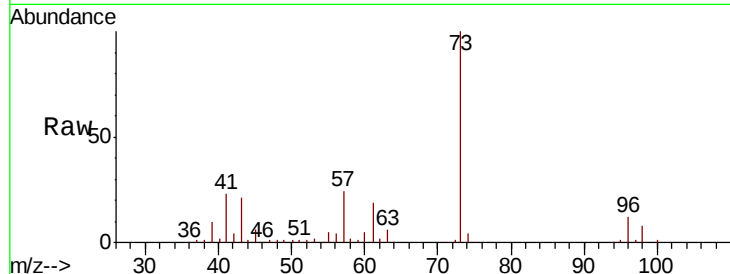
#19
Methyl tert-butyl Ether
Concen: 47.163 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 652117
Ion Ratio Lower Upper
73 100
57 23.7 20.1 30.1

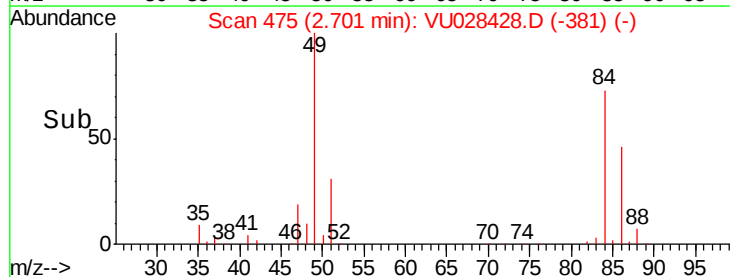
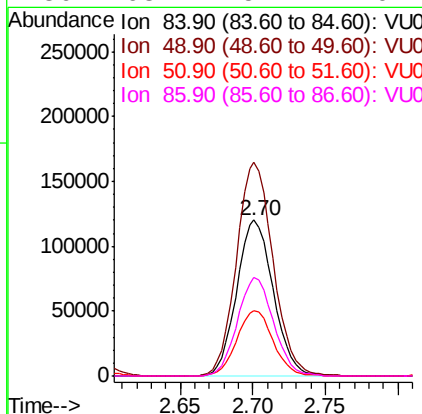
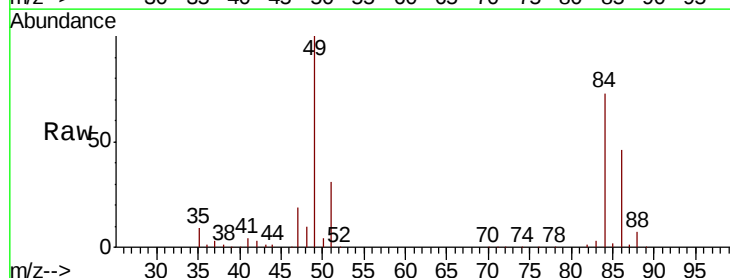
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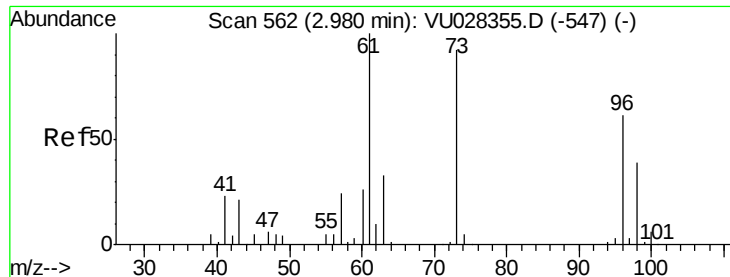
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#20
Methylene Chloride
Concen: 46.483 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 84 Resp: 211627
Ion Ratio Lower Upper
84 100
49 137.1 120.0 180.0
51 41.9 36.9 55.3
86 63.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.366 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 189177

Ion Ratio Lower Upper

96 100

61 152.1 131.1 196.7

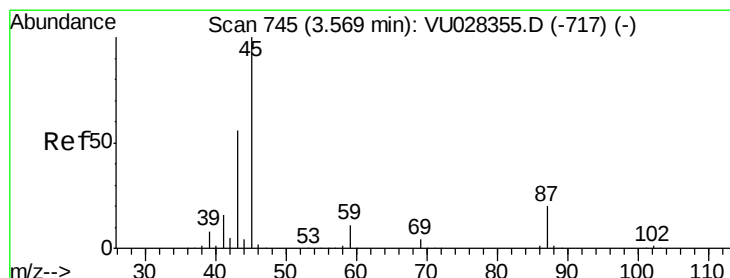
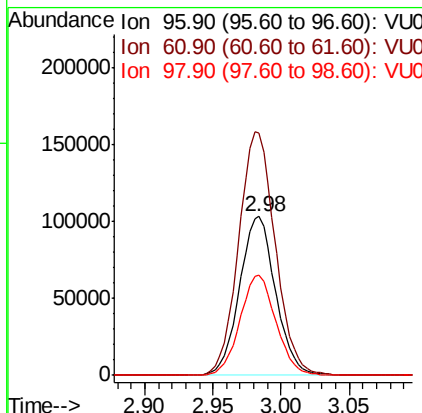
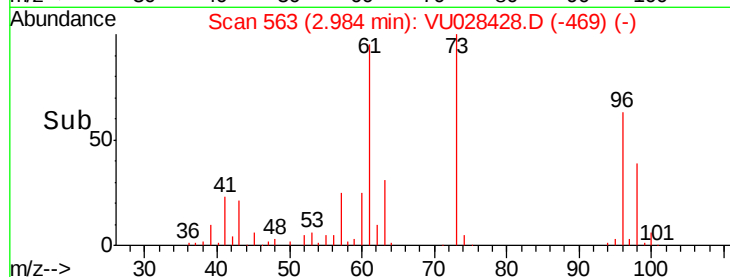
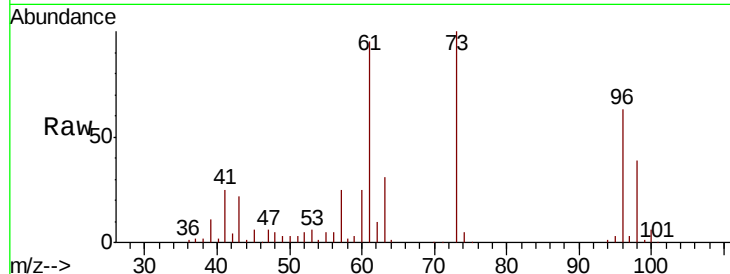
98 62.9 51.7 77.5

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12/4/2018 11:18:24 AM



#22

Diisopropyl ether

Concen: 45.670 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion: 45 Resp: 792292

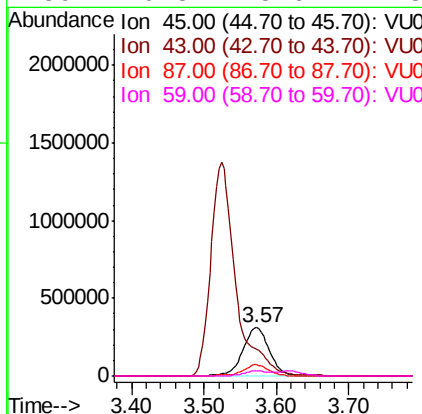
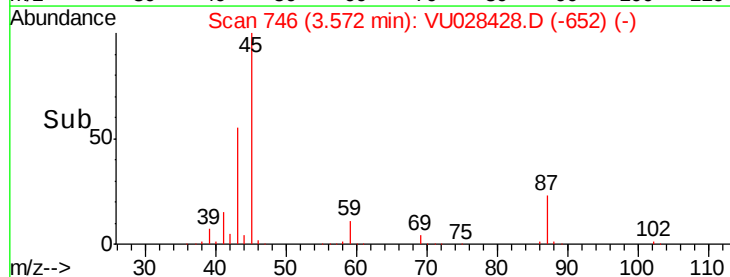
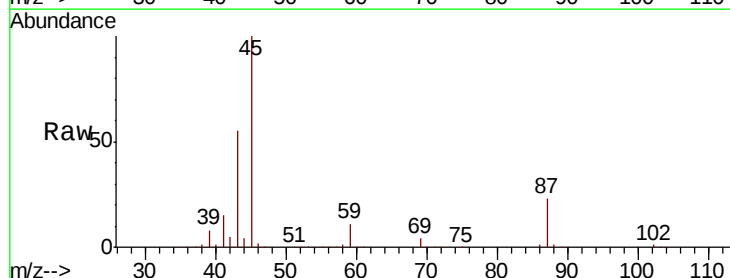
Ion Ratio Lower Upper

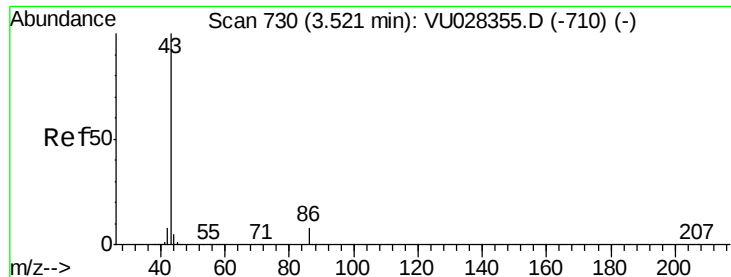
45 100

43 55.0 44.8 67.2

87 23.2 16.3 24.5

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 227.534 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3281052

Ion Ratio Lower Upper

43 100

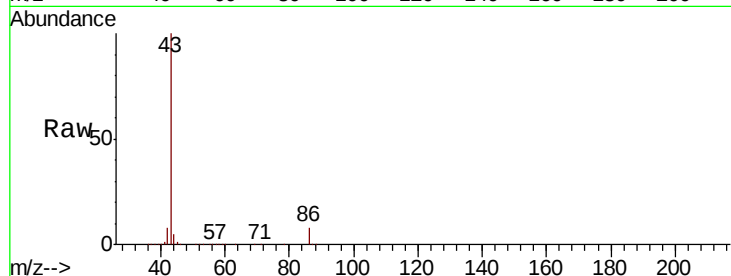
86 8.4 6.5 9.7

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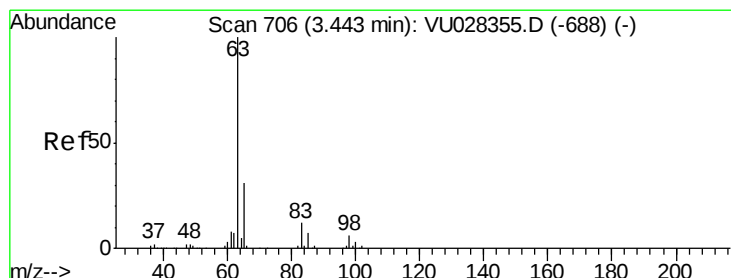
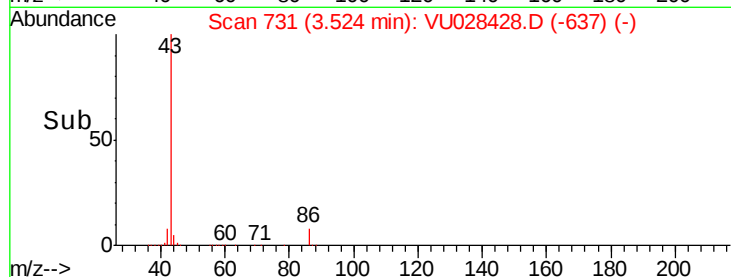
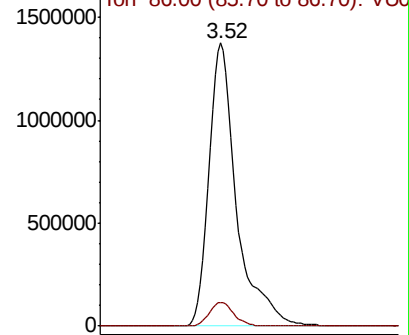
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Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-710) (-)



#24

1,1-Dichloroethane

Concen: 46.843 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

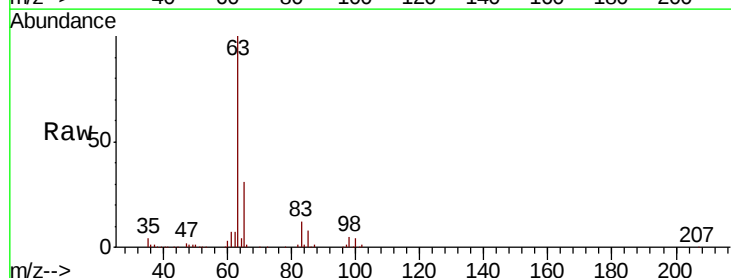
Tgt Ion: 63 Resp: 400661

Ion Ratio Lower Upper

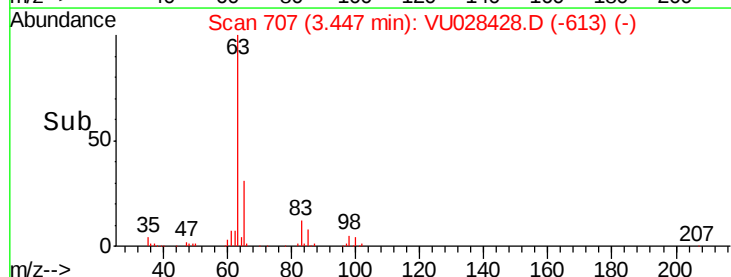
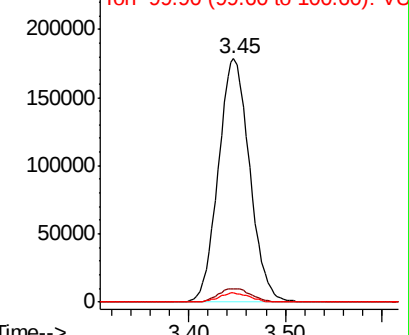
63 100

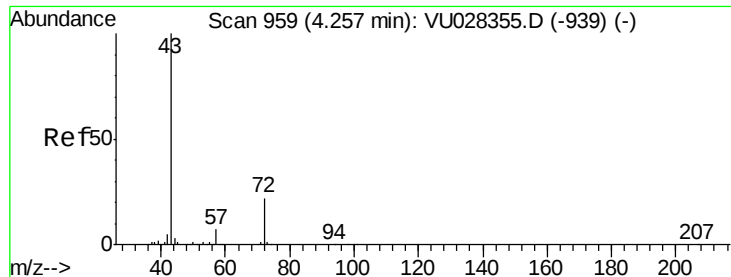
98 5.4 2.9 8.6

100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-688) (-)





#25

2-Butanone

Concen: 251.436 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1163030

Ion Ratio Lower Upper

43 100

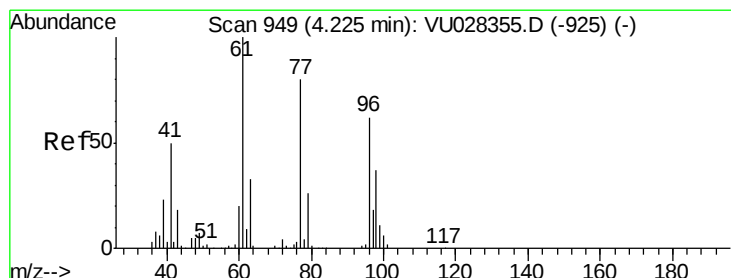
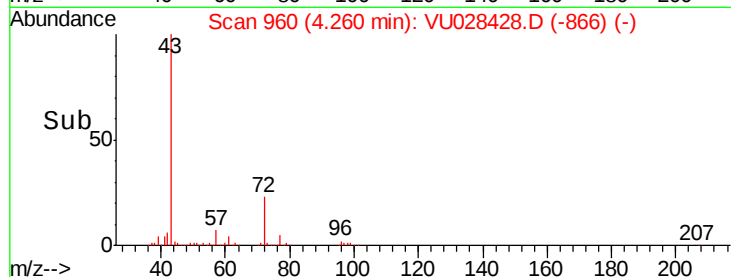
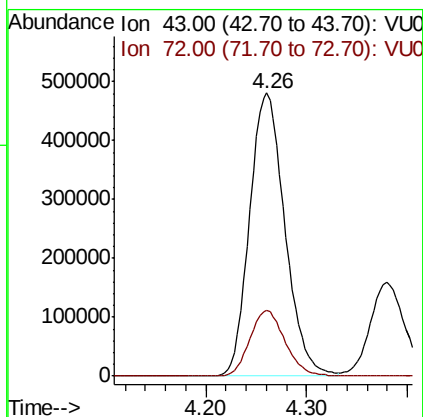
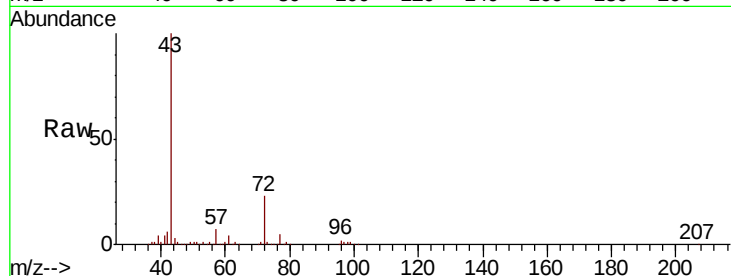
72 23.3 17.7 26.5

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12/4/2018 11:18:24 AM



#26

2,2-Dichloropropane

Concen: 47.397 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028428.D

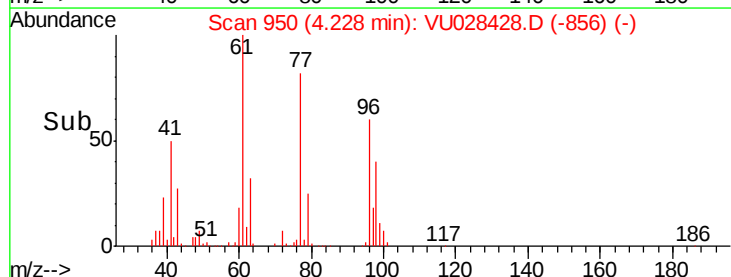
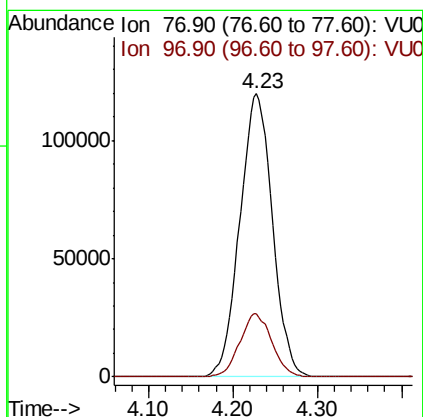
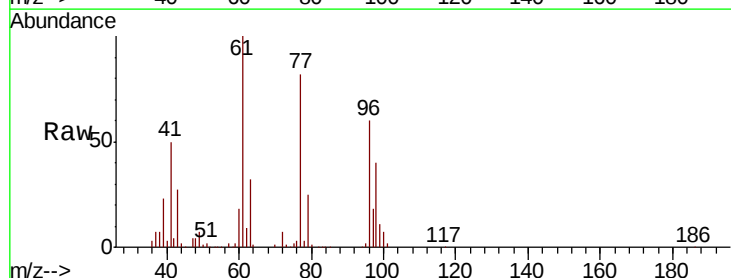
Acq: 03 Dec 2018 09:50

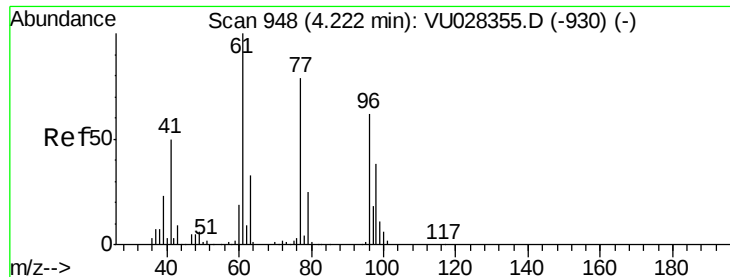
Tgt Ion: 77 Resp: 321964

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

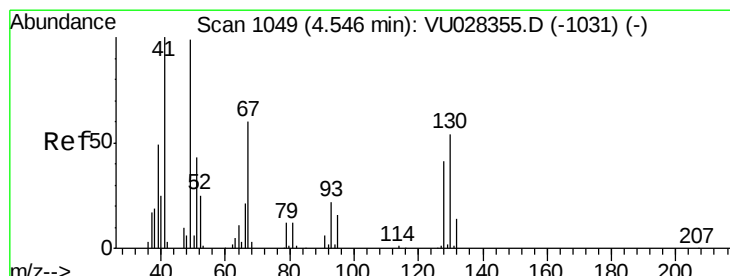
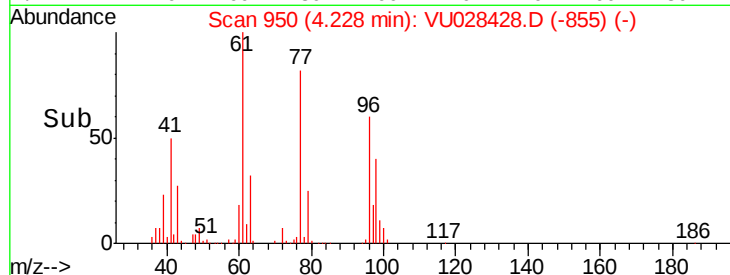
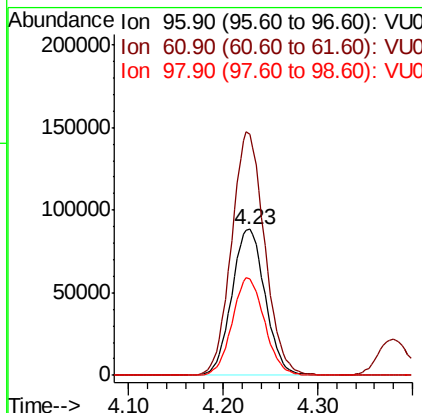
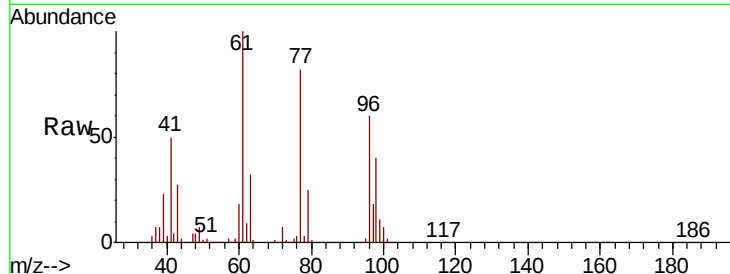
cis-1,2-Dichloroethene
 Concen: 46.933 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217101		
61	165.0	0.0	342.0	
98	64.7	0.0	126.4	

Manual Integrations
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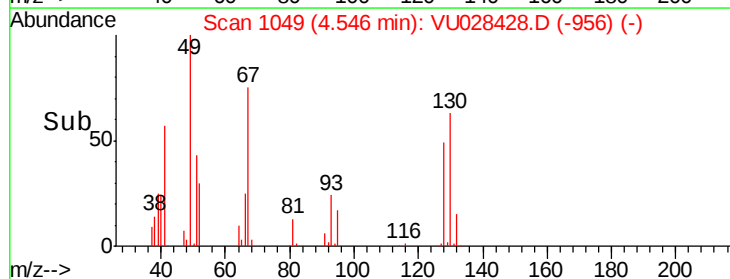
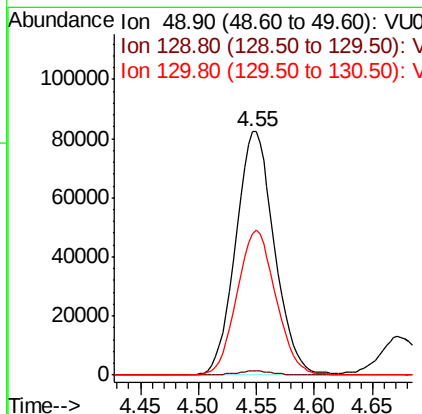
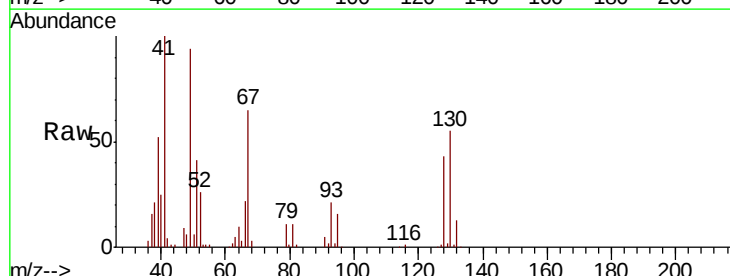
MMDadoda
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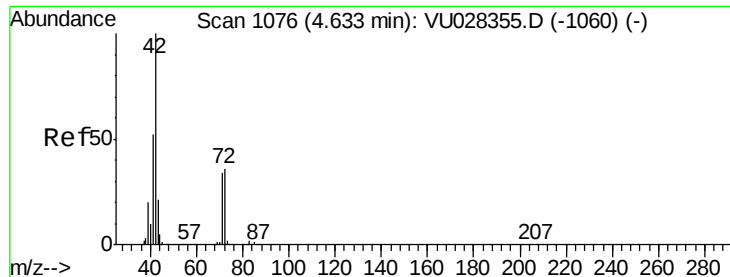


#28

Bromochloromethane
 Concen: 44.679 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191085		
129	1.7	0.0	2.6	
130	59.8	44.5	66.7	





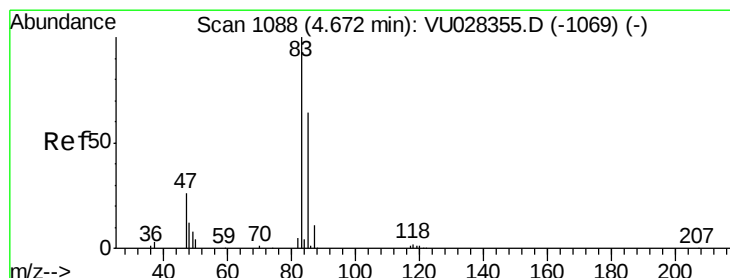
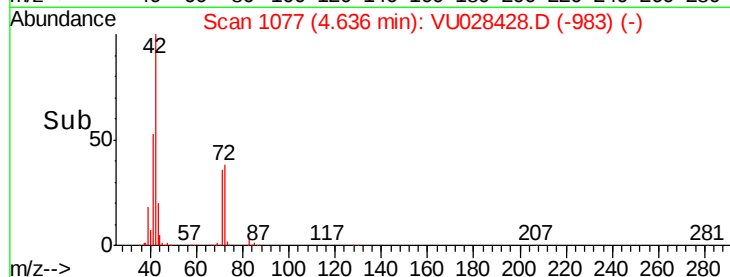
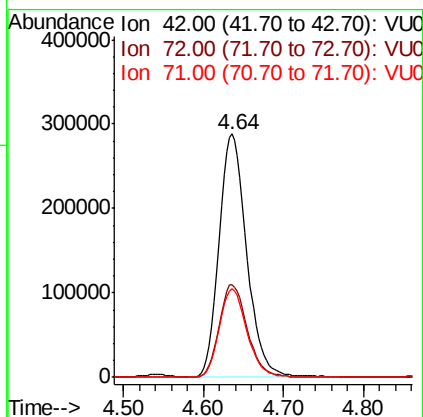
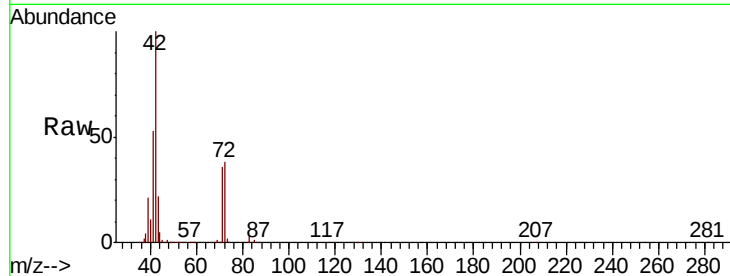
#29
Tetrahydrofuran
Concen: 227.480 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	29.5	44.3
71	36.6	27.7	41.5

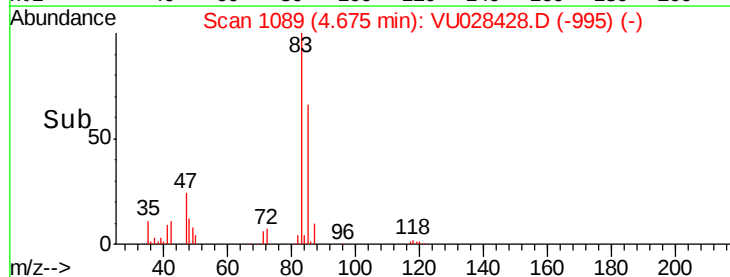
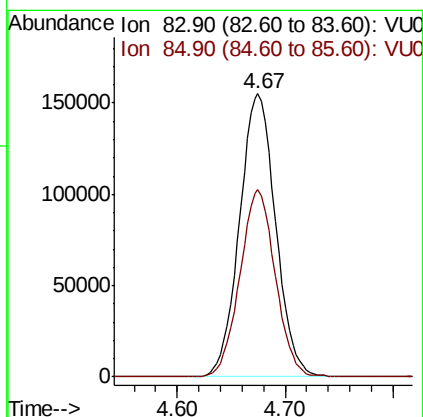
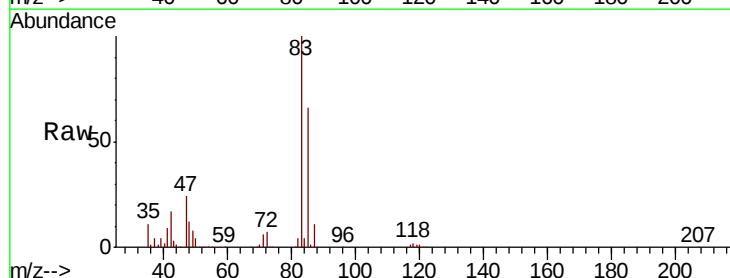
Manual Integrations
APPROVED

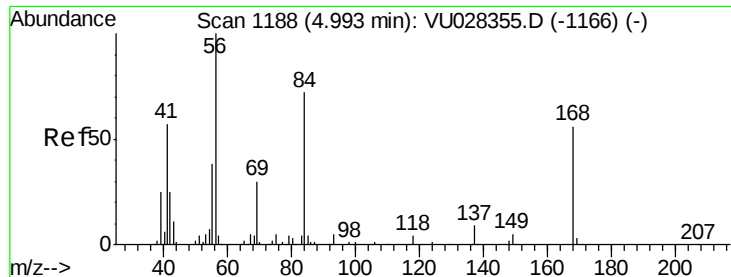
MMDadoda
12/4/2018 11:18:24 AM



#30
Chloroform
Concen: 45.763 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.2	76.8





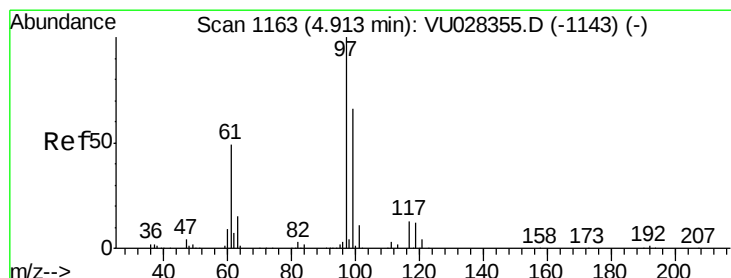
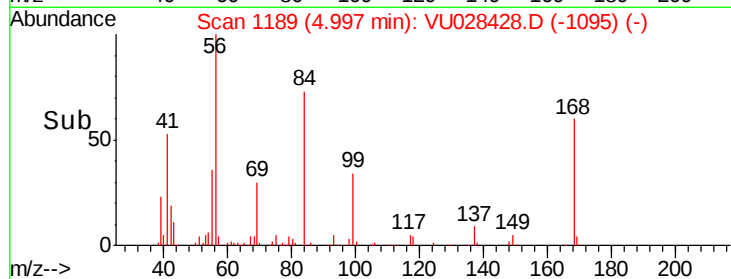
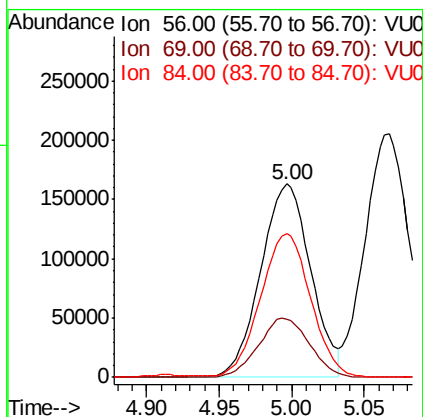
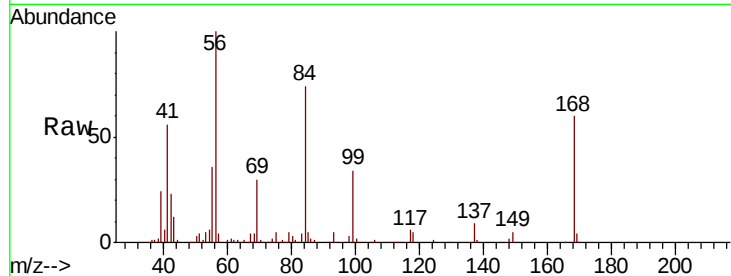
#31
Cyclohexane
Concen: 44.613 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	73.3	57.3	85.9

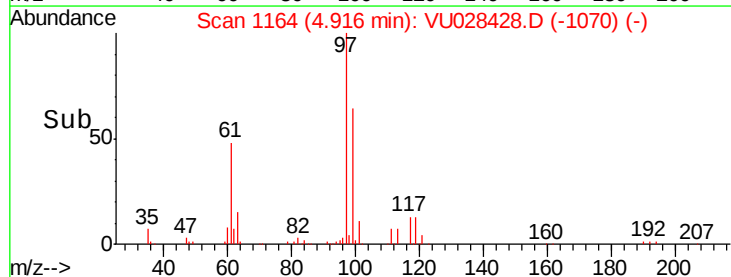
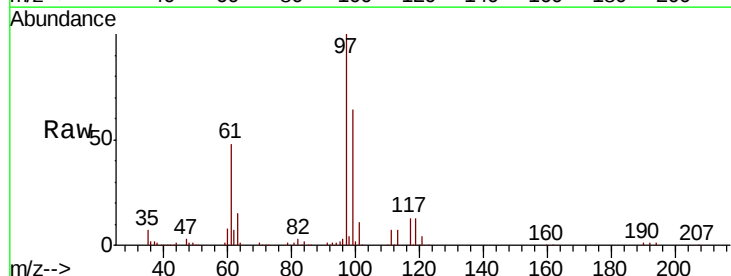
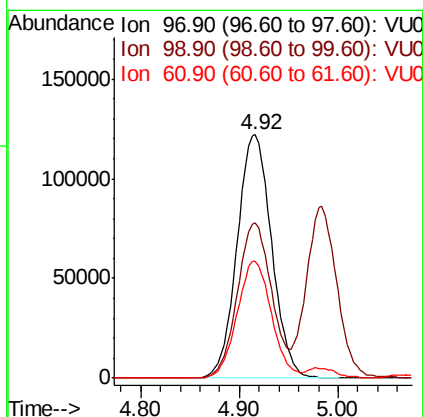
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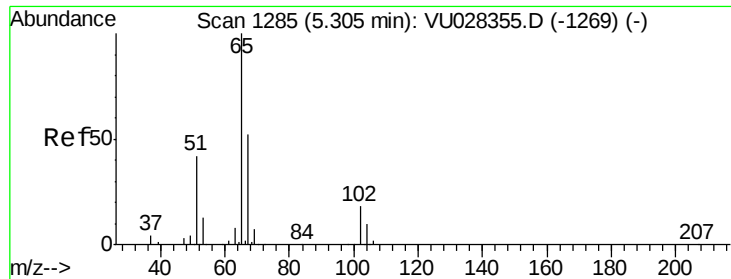
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12/4/2018 11:18:24 AM



#32
1,1,1-Trichloroethane
Concen: 46.757 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
97	100		
61	63.7	50.8	76.2
117	47.9	39.1	58.7





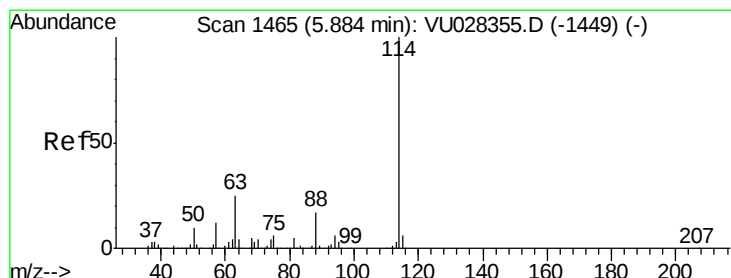
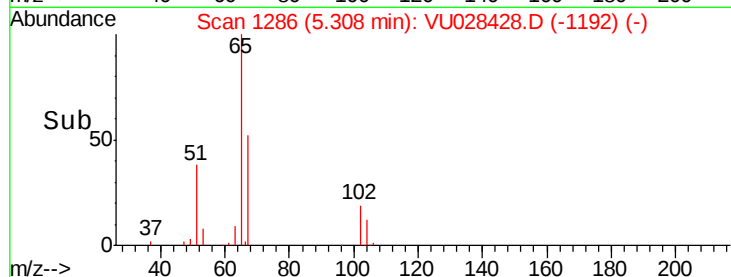
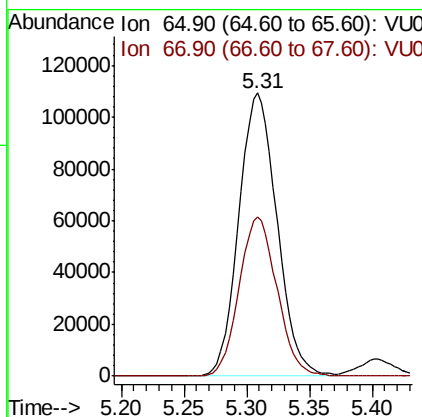
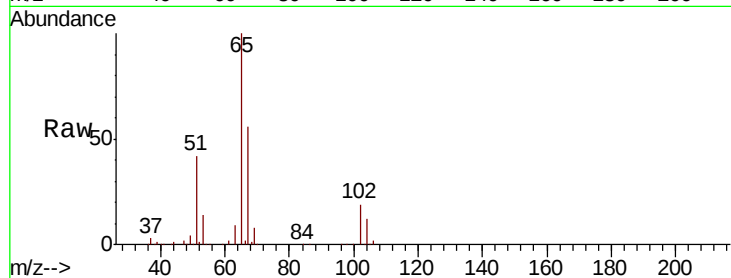
#33
 1,2-Dichloroethane-d4
 Concen: 43.921 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	106.8

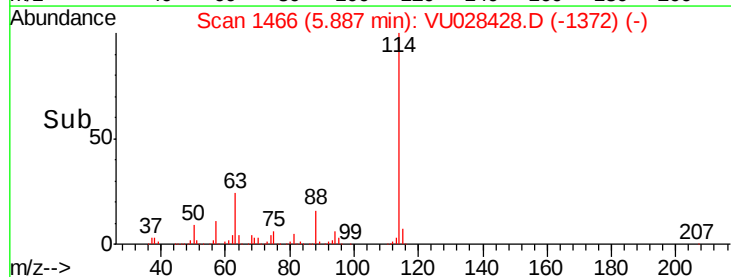
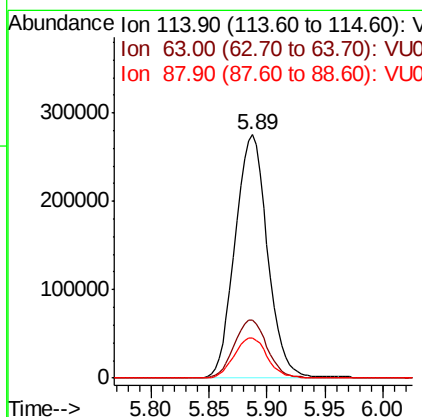
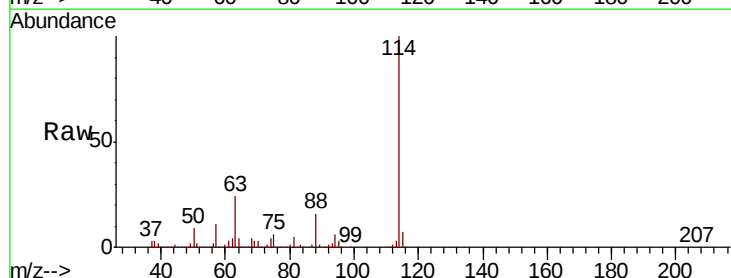
Manual Integrations
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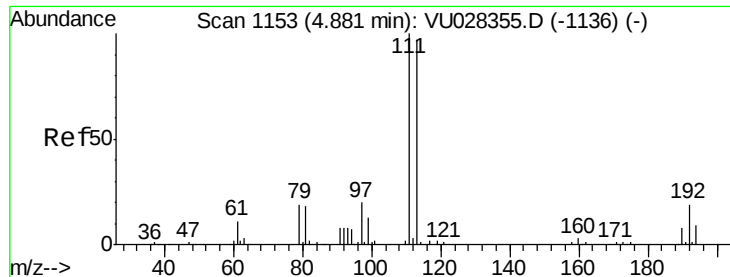
MMDadoda
 12/4/2018 11:18:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	50.0
88	16.4	0.0	34.4





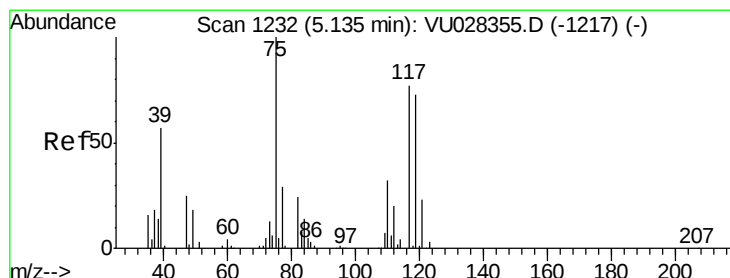
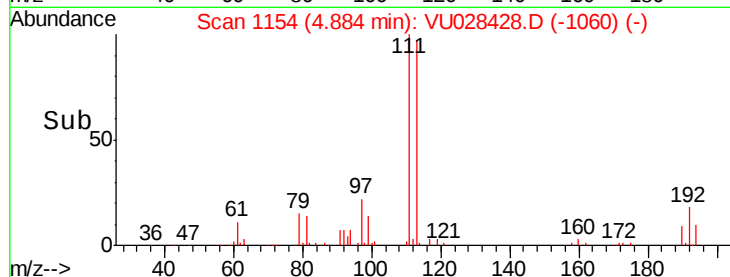
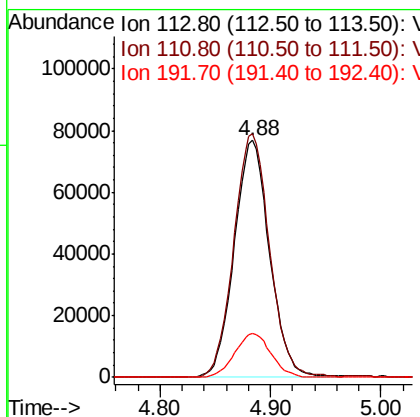
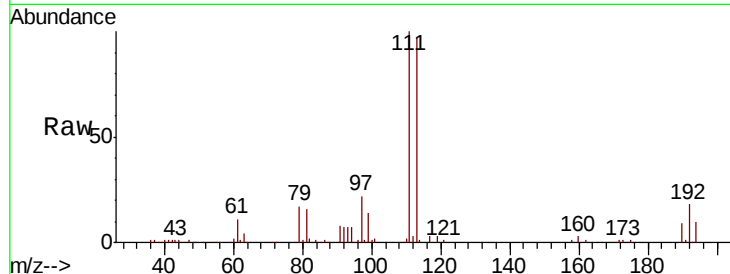
#35
 Dibromofluoromethane
 Concen: 47.752 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170386		
111	104.2	82.9	124.3	
192	19.0	15.4	23.0	

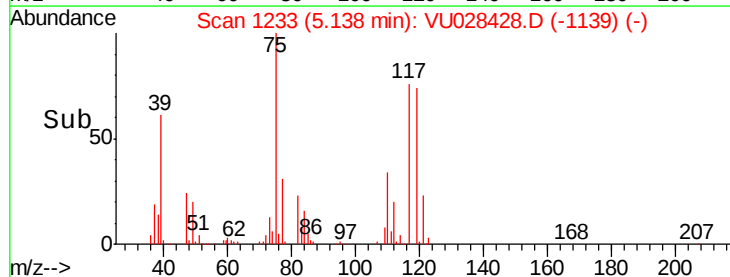
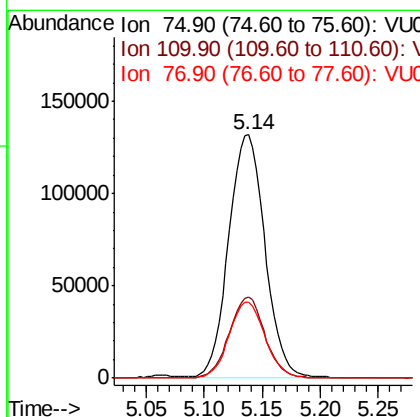
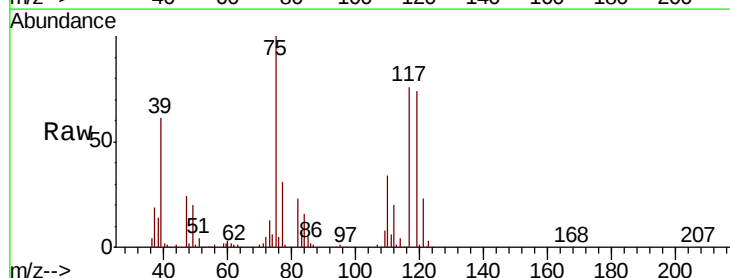
Manual Integrations
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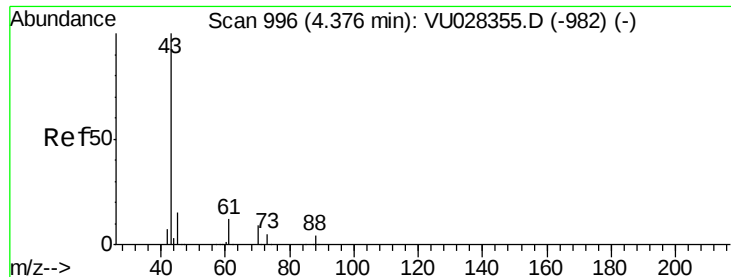
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 12/4/2018 11:18:24 AM



#36
 1,1-Dichloropropene
 Concen: 48.619 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285485		
110	32.9	15.8	47.4	
77	31.0	24.6	36.8	





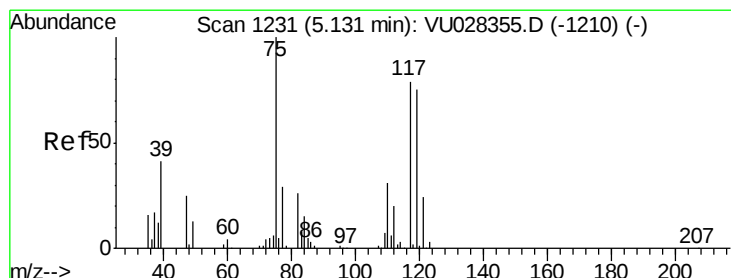
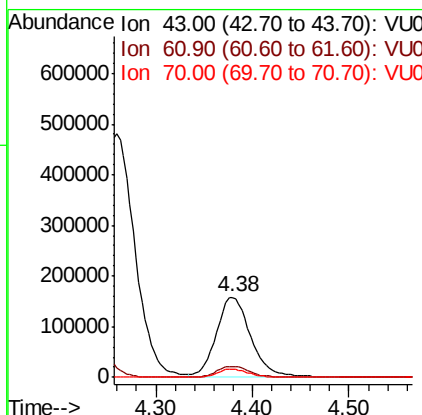
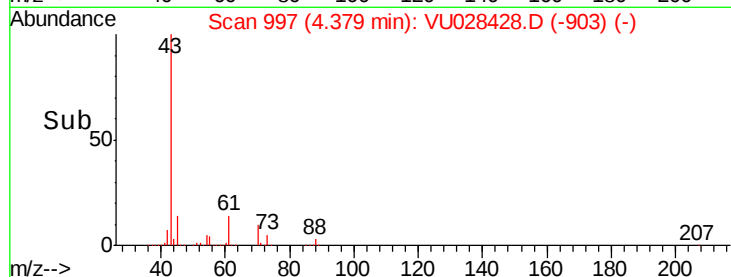
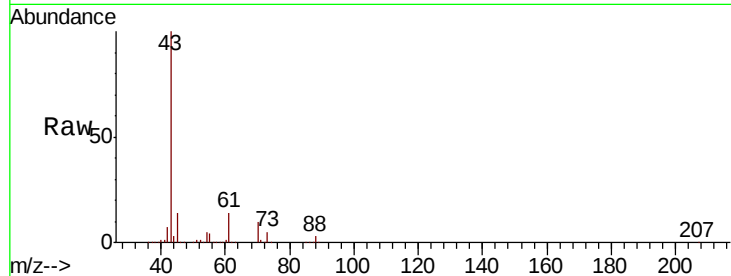
#37
Ethyl Acetate
Concen: 48.318 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	9.6	6.9	10.3

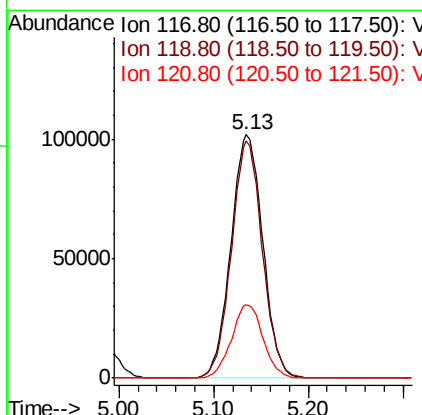
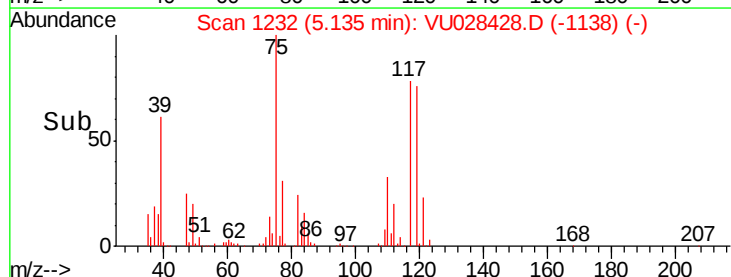
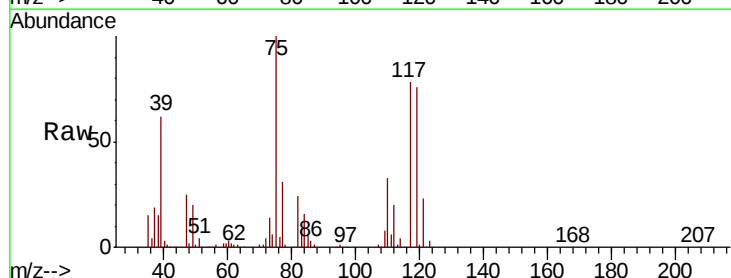
Manual Integrations
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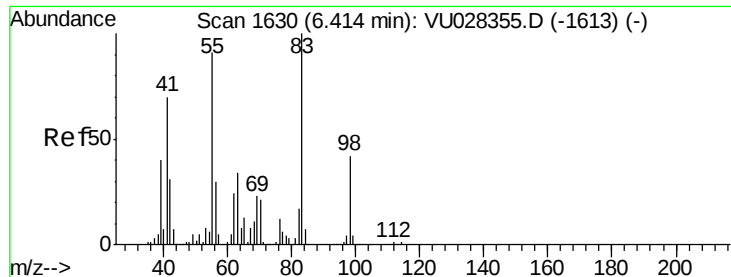
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#38
Carbon Tetrachloride
Concen: 49.501 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.3	114.5
121	30.0	24.7	37.1





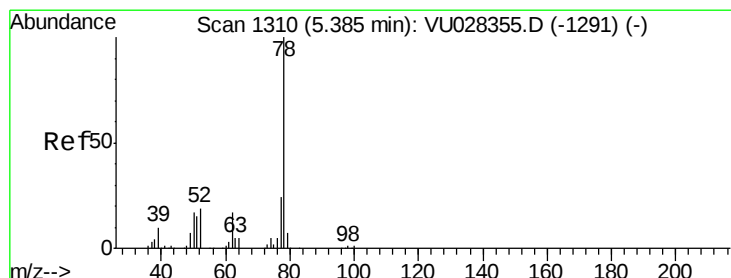
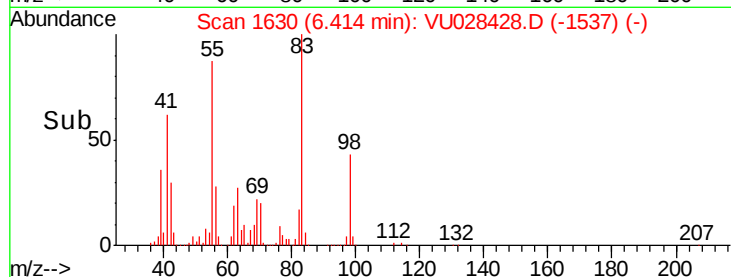
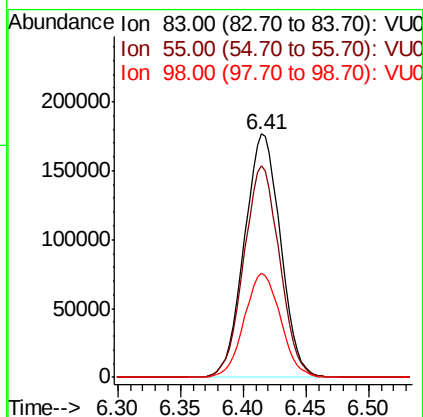
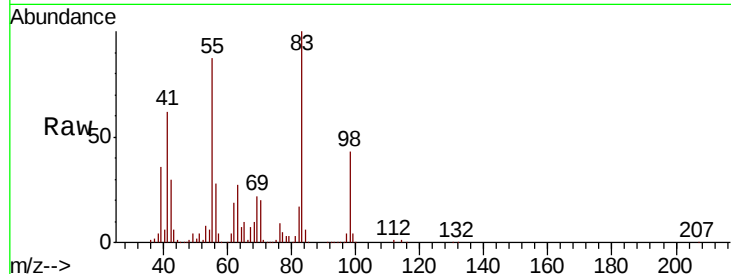
#39
Methvlcvclohexane
Concen: 51.332 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	73.1	109.7
98	43.0	33.9	50.9

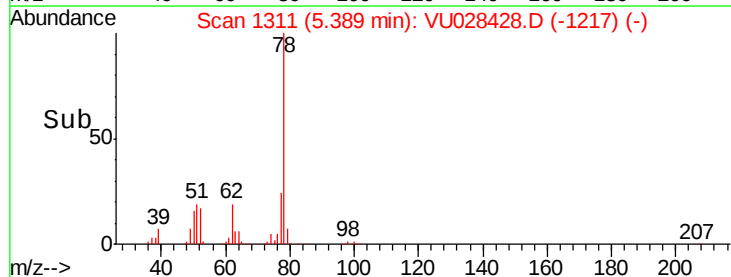
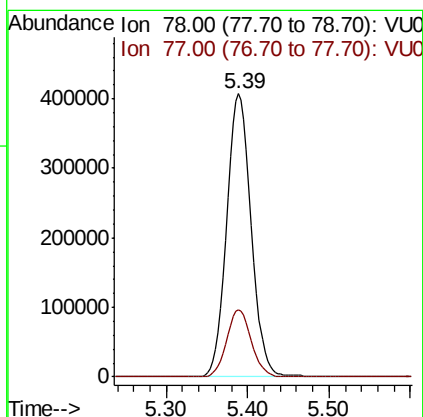
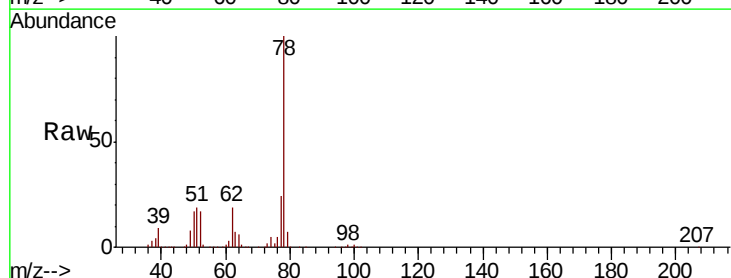
Manual Integrations
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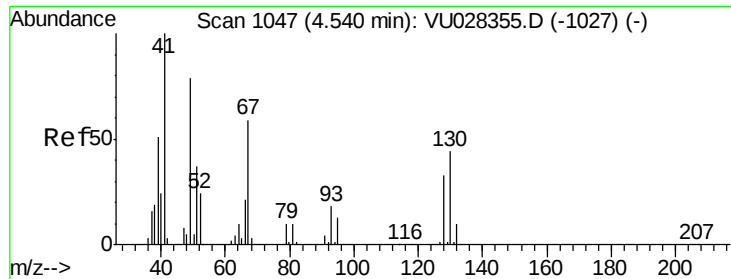
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#40
Benzene
Concen: 49.564 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





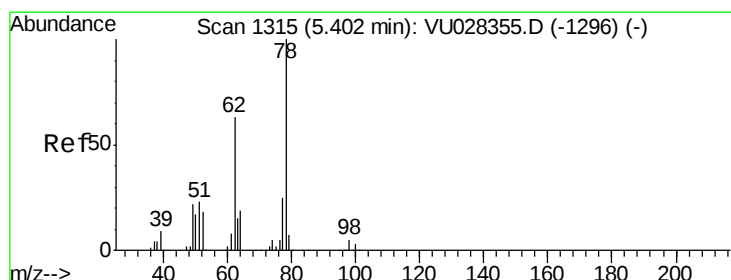
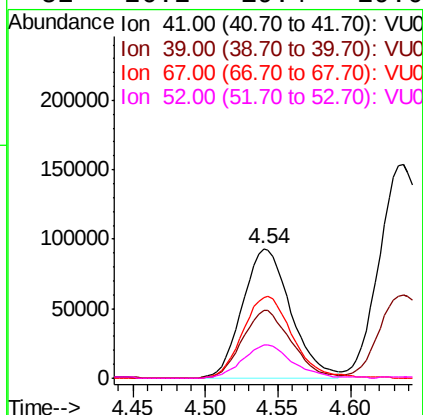
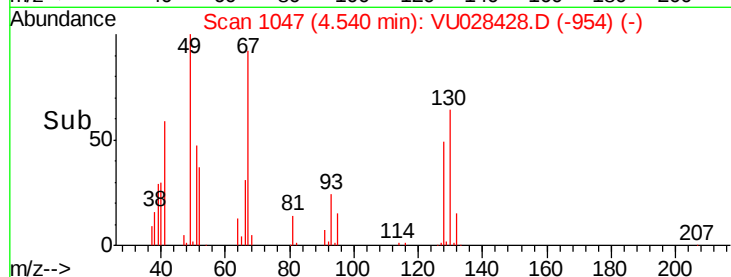
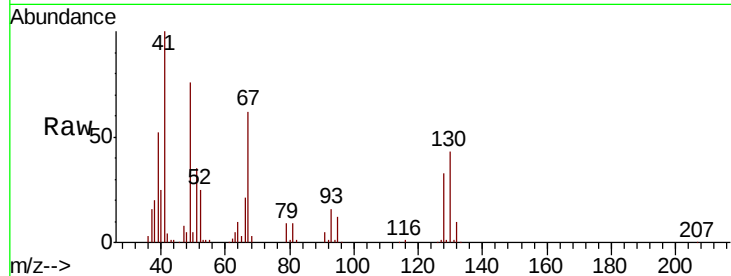
#41
Methacrylonitrile
Concen: 48.379 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		214987		
39	52.8	41.3	61.9		
67	65.8	48.6	73.0		
52	26.2	19.4	29.0		

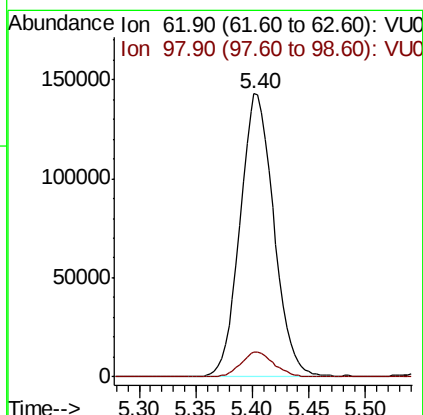
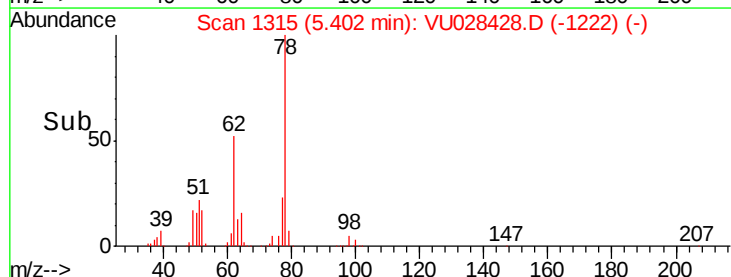
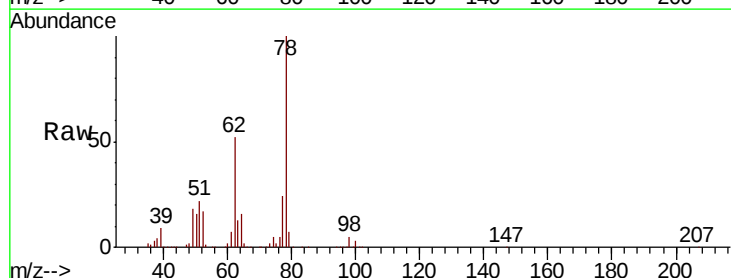
Manual Integrations
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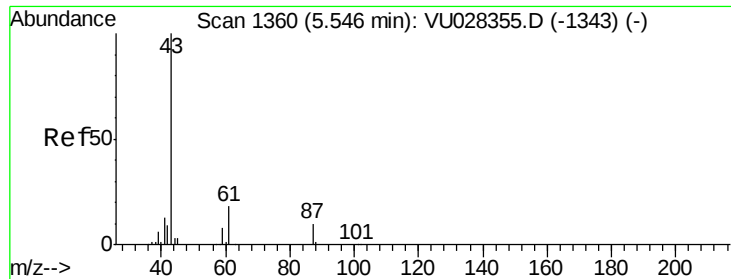
MMDadoda
12/4/2018 11:18:24 AM



#42
1,2-Dichloroethane
Concen: 47.590 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		298155		
98	8.5	0.0	15.4		





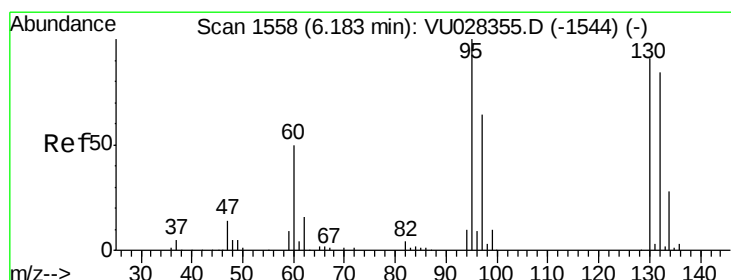
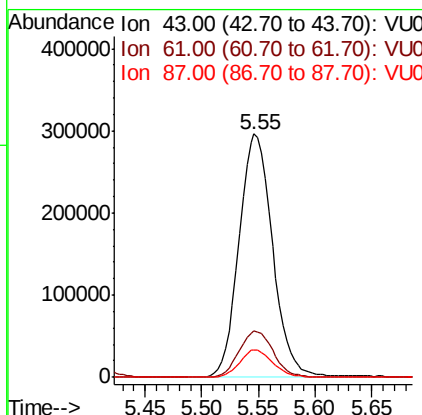
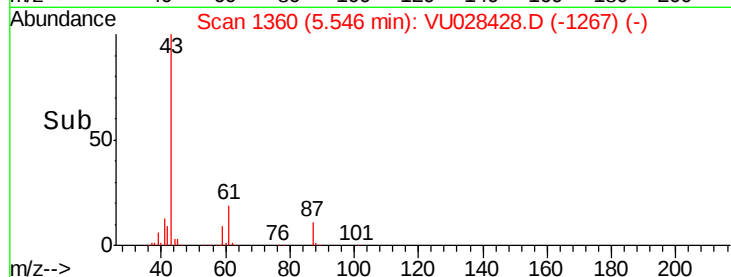
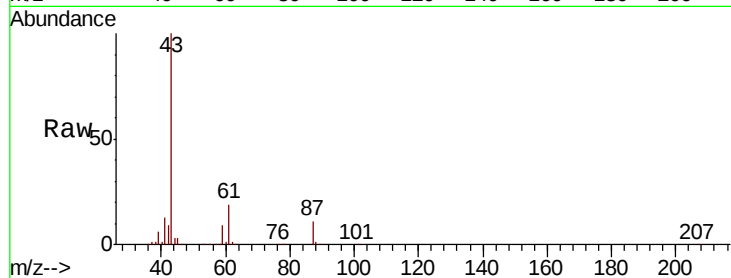
#43
Isopropyl Acetate
Concen: 48.227 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.5	21.7
87	11.2	8.4	12.6

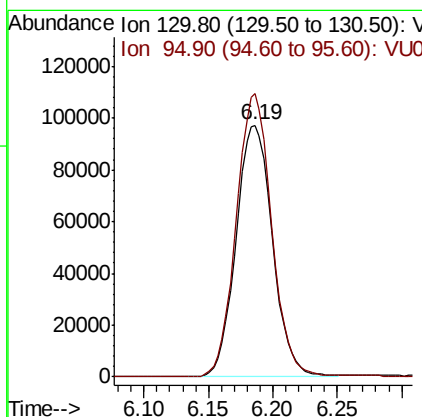
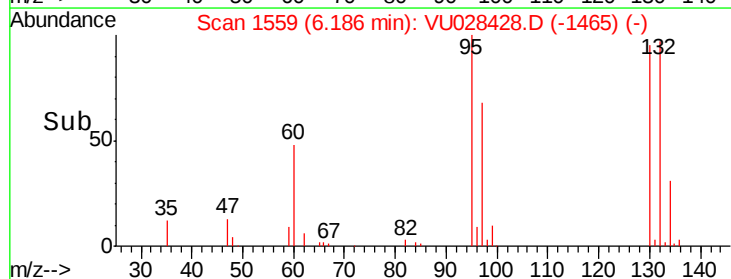
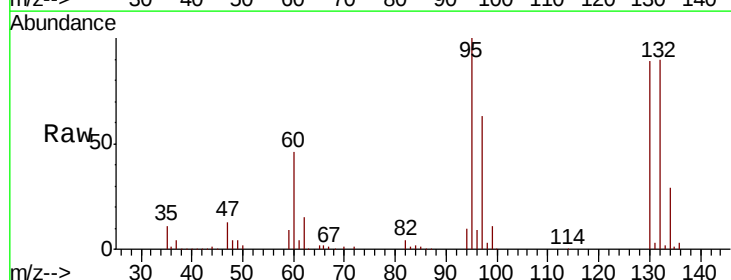
Manual Integrations
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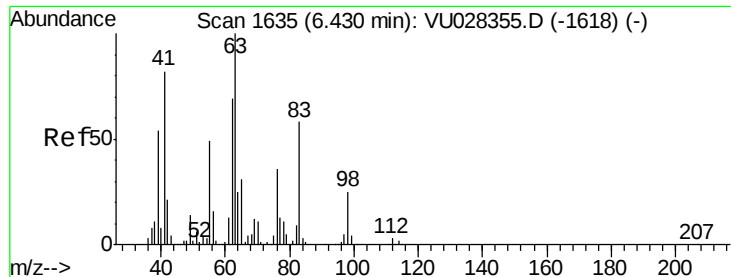
MMDadoda
12/4/2018 11:18:24 AM



#44
Trichloroethene
Concen: 51.388 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.6	0.0	219.8





#45

1,2-Dichloropropane

Concen: 48.303 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 245998

Ion Ratio Lower Upper

63 100

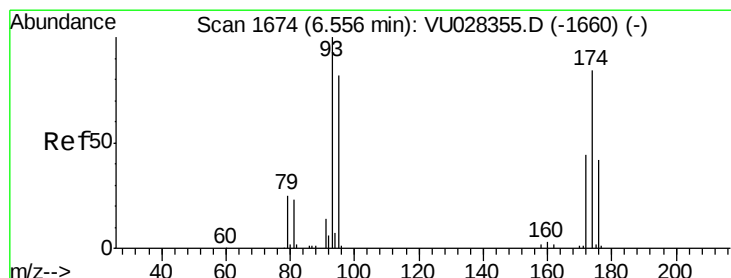
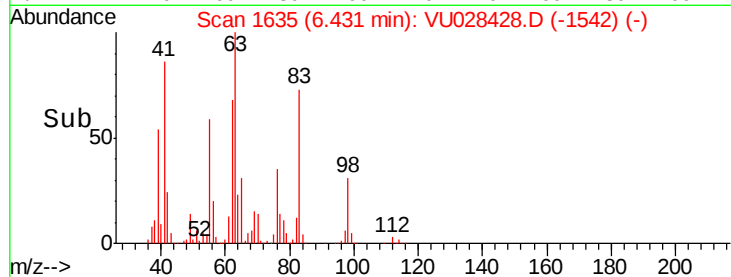
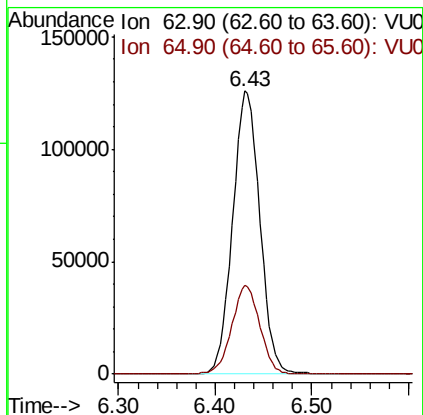
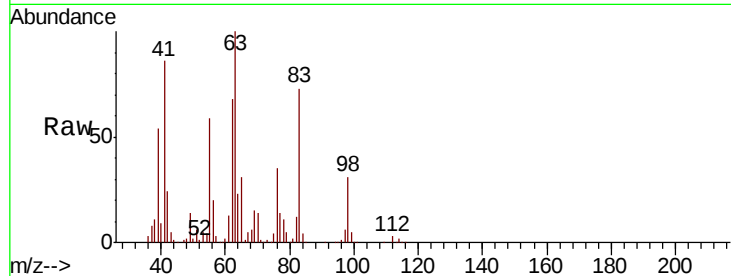
65 31.4 25.1 37.7

Manual Integrations

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12/4/2018 11:18:24 AM



#46

Dibromomethane

Concen: 50.079 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

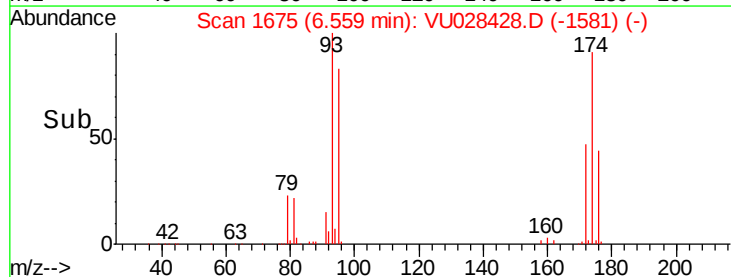
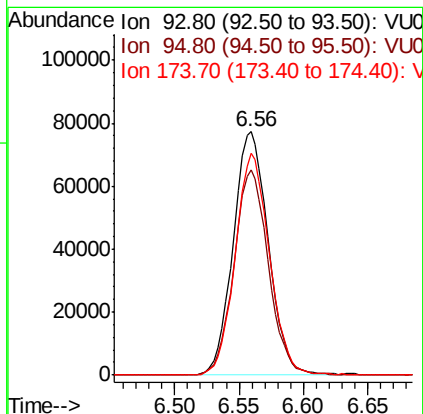
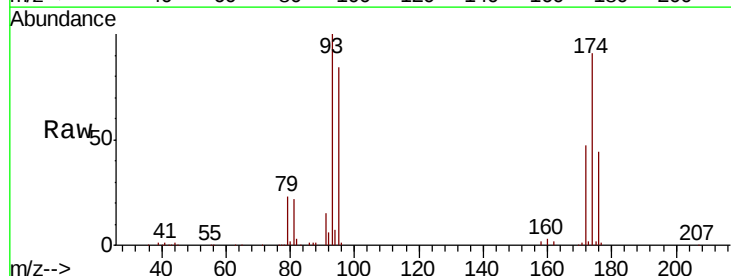
Tgt Ion: 93 Resp: 146498

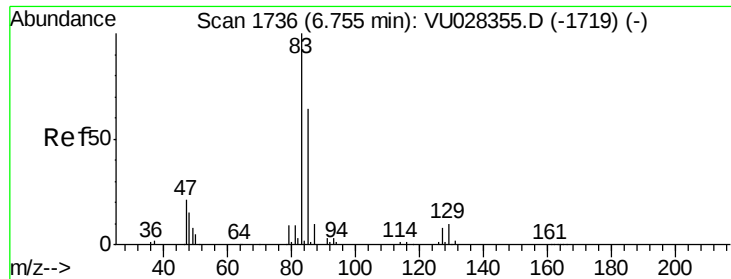
Ion Ratio Lower Upper

93 100

95 82.7 65.1 97.7

174 88.7 69.9 104.9





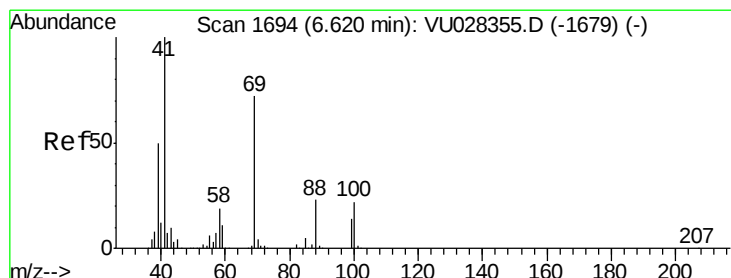
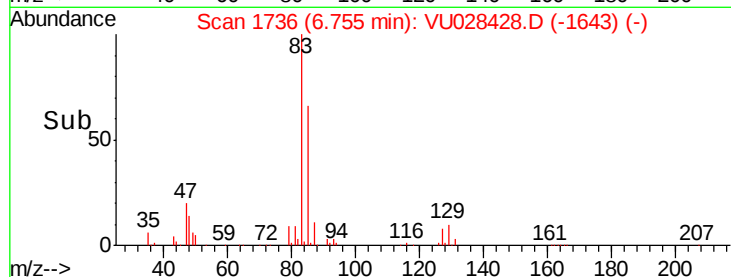
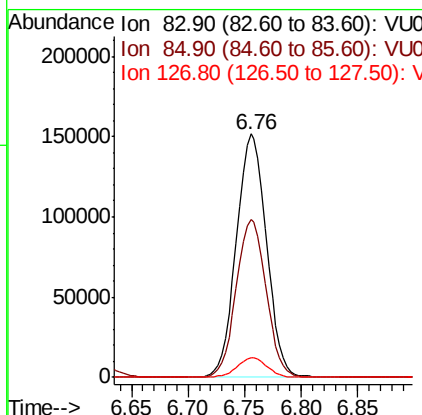
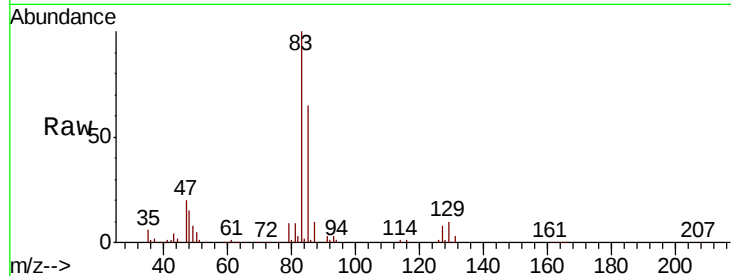
#47
 Bromodichloromethane
 Concen: 48.534 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	282402		
85	65.1	50.9	76.3	
127	8.0	6.2	9.4	

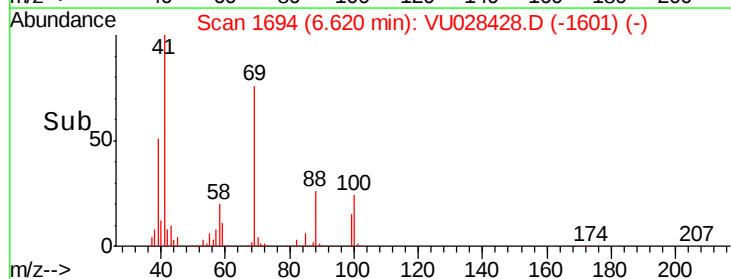
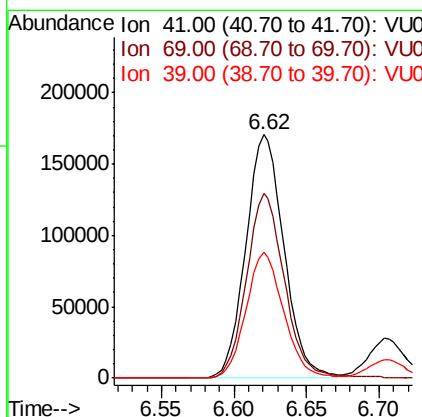
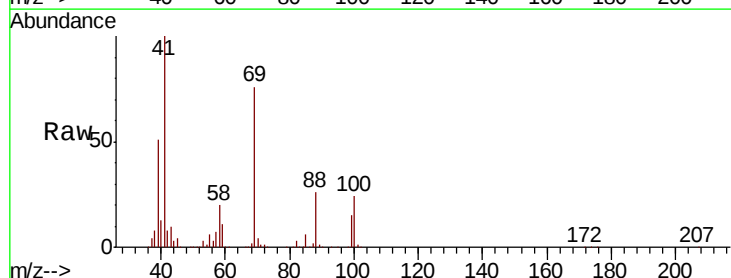
Manual Integrations
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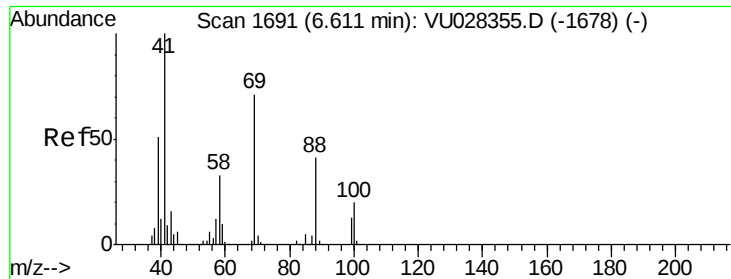
MMDadoda
 12/4/2018 11:18:24 AM



#48
 Methyl methacrylate
 Concen: 47.120 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	311240		
69	76.0	59.0	88.4	
39	50.8	40.5	60.7	





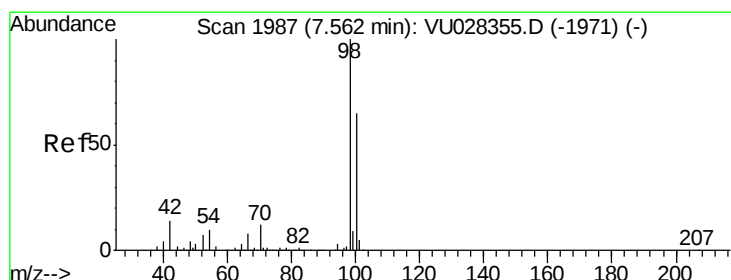
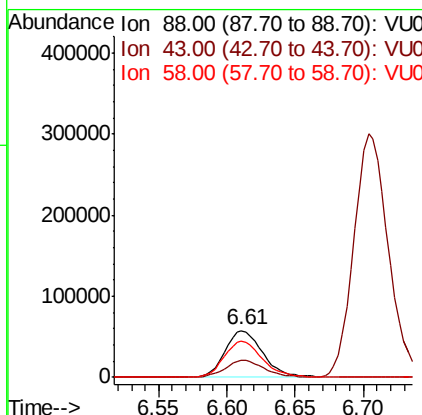
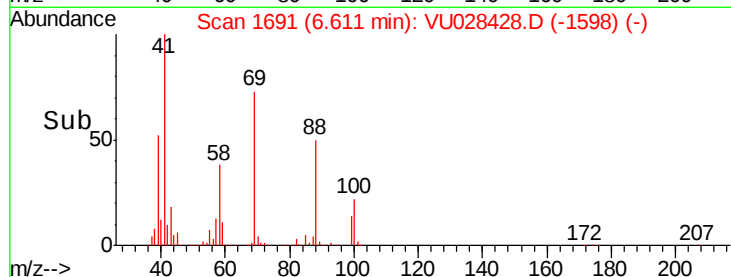
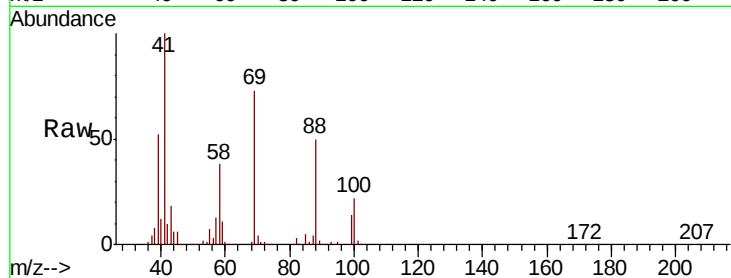
#49
1,4-Dioxane
Concen: 1032.252 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	32.6	48.8
58	80.5	68.7	103.1

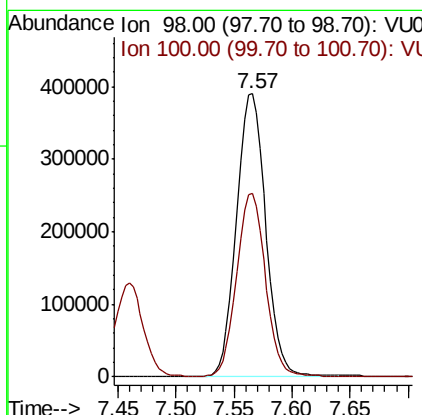
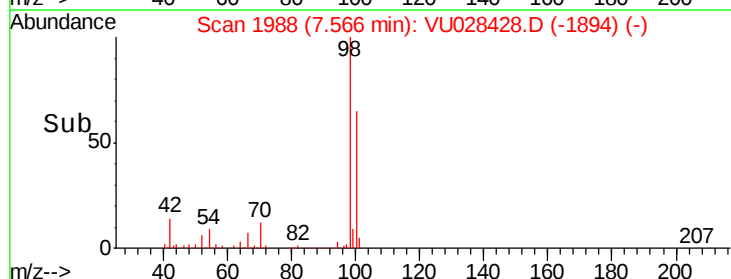
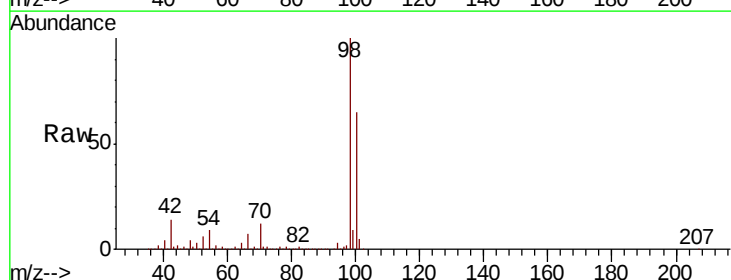
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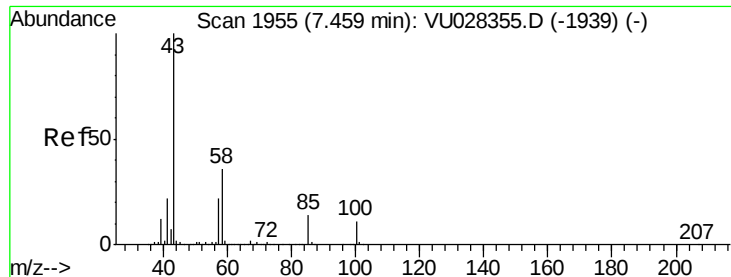
MMDadoda
12/4/2018 11:18:24 AM



#50
Toluene-d8
Concen: 48.092 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 237.366 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1922373

Ion Ratio Lower Upper

43 100

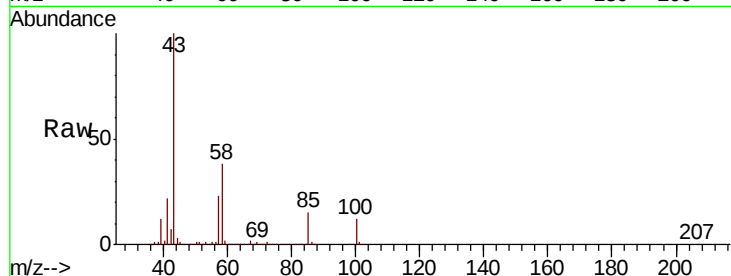
58 37.8 28.8 43.2

Manual Integrations

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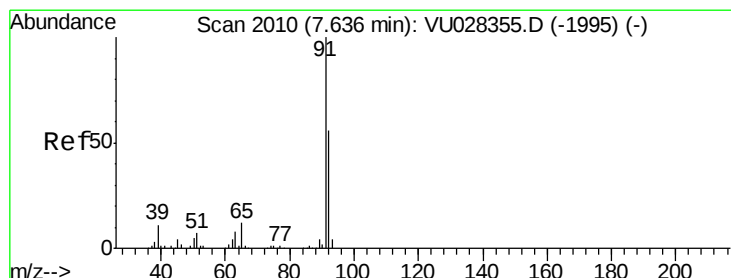
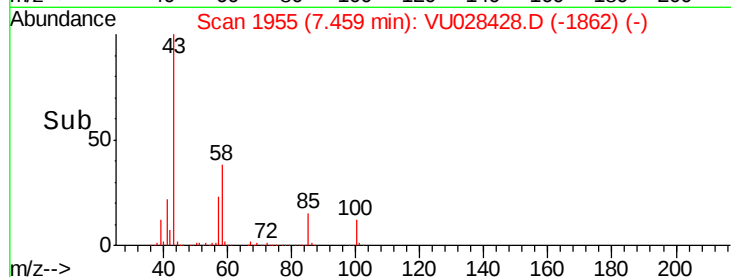
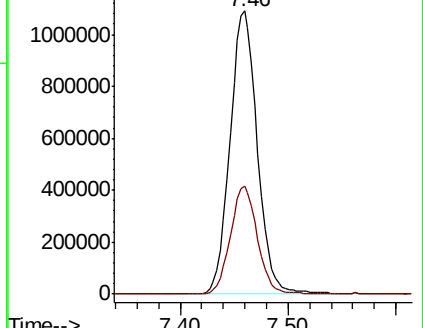
MMDadoda

12/4/2018 11:18:24 AM



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

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



#52

Toluene

Concen: 51.563 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028428.D

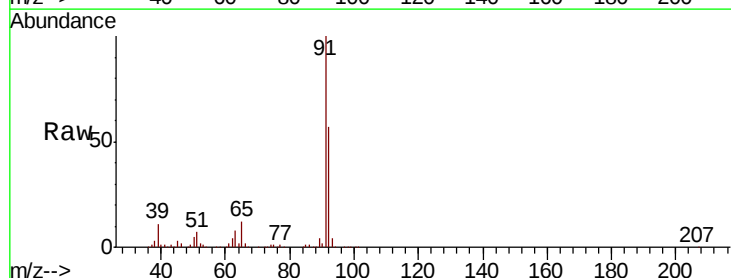
Acq: 03 Dec 2018 09:50

Tgt Ion: 92 Resp: 516382

Ion Ratio Lower Upper

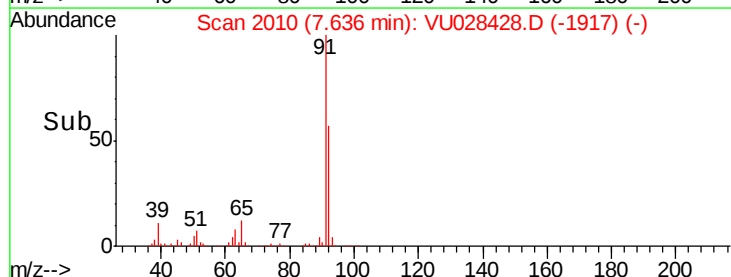
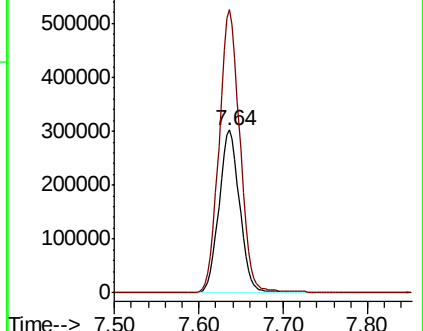
92 100

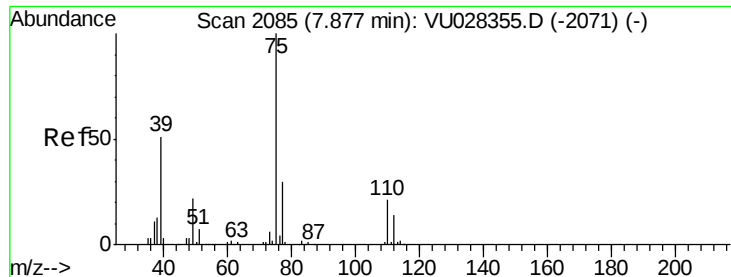
91 174.9 141.8 212.6



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

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





#53

t-1,3-Dichloropropene

Concen: 49.841 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 346780

Ion Ratio Lower Upper

75 100

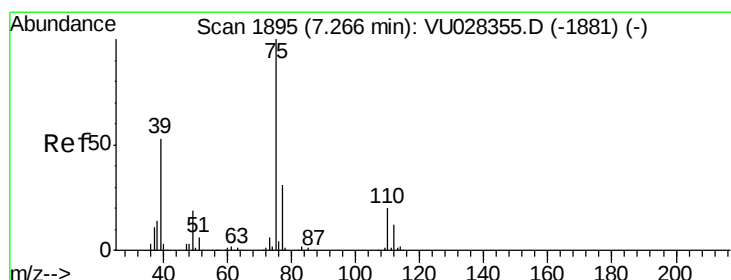
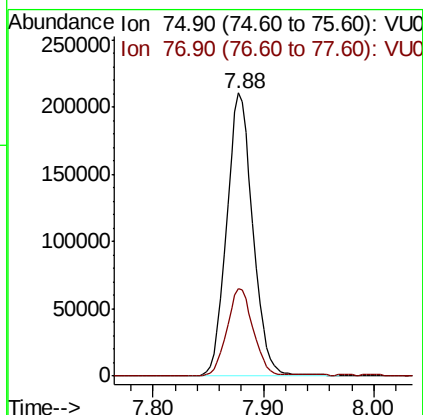
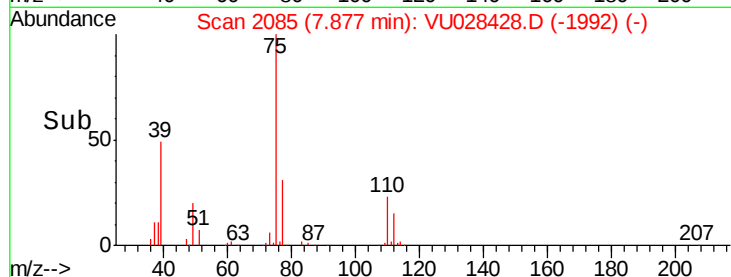
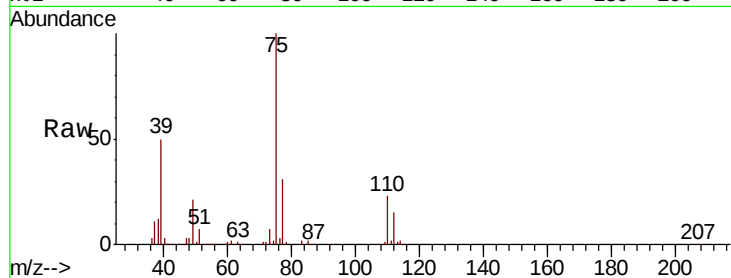
77 31.0 24.1 36.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.645 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

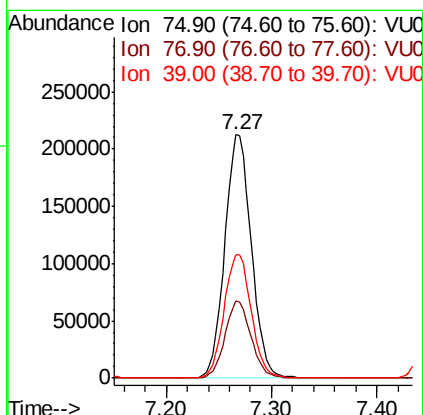
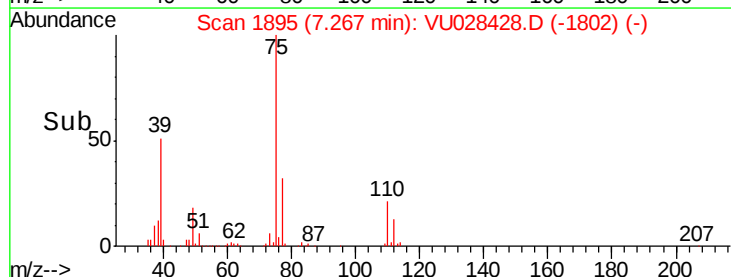
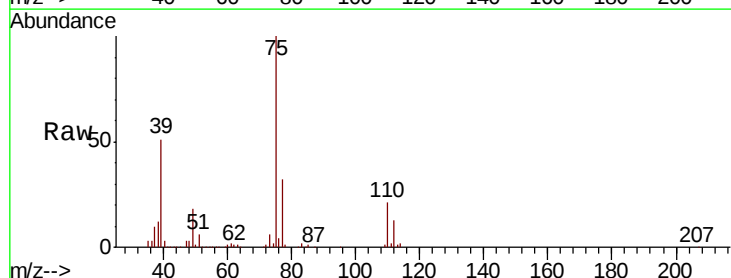
Tgt Ion: 75 Resp: 370044

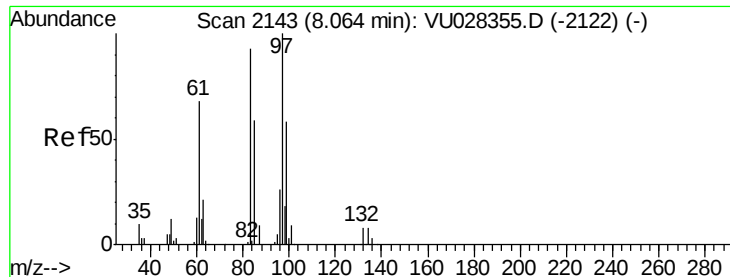
Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3

39 50.7 42.6 64.0





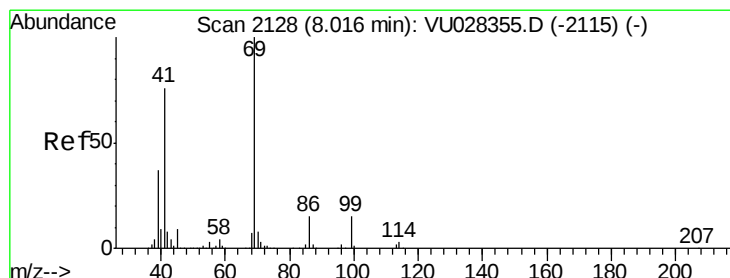
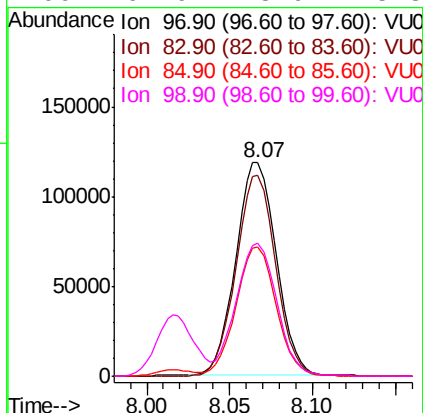
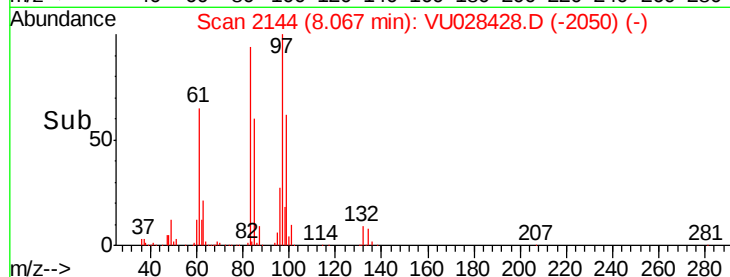
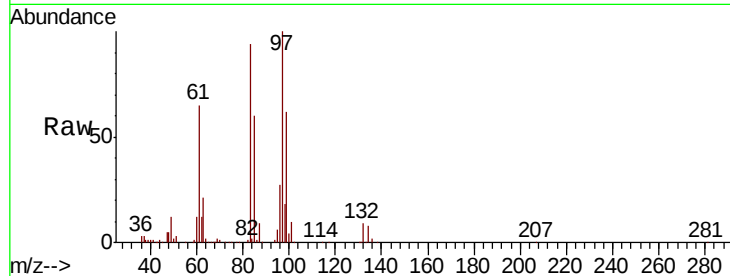
#55
 1,1,2-Trichloroethane
 Concen: 48.374 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	201619
Ion	Ratio	Lower	Upper
97	100		
83	94.4	74.3	111.5
85	60.4	47.2	70.8
99	61.9	48.9	73.3

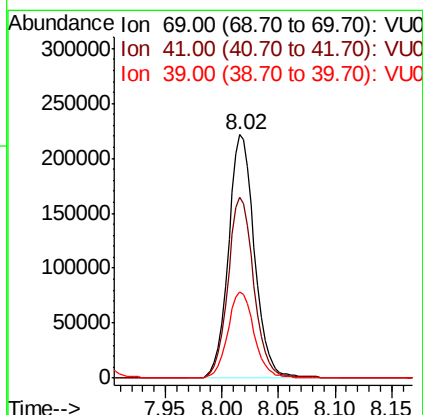
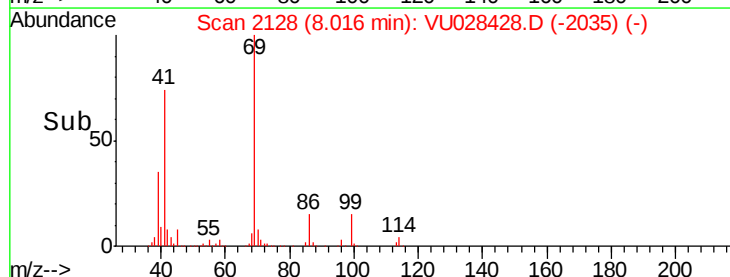
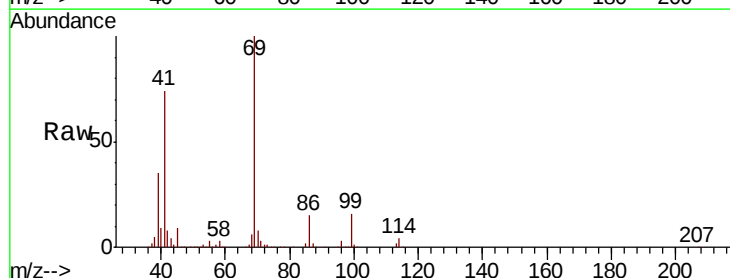
Manual Integrations
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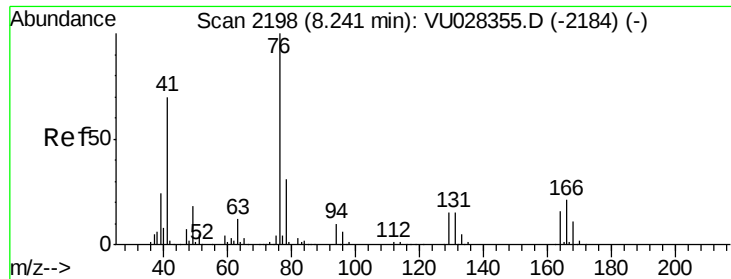
MMDadoda
 12/4/2018 11:18:24 AM



#56
 Ethyl methacrylate
 Concen: 49.967 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion:	69	Resp:	354295
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.0	90.0
39	35.3	29.0	43.6





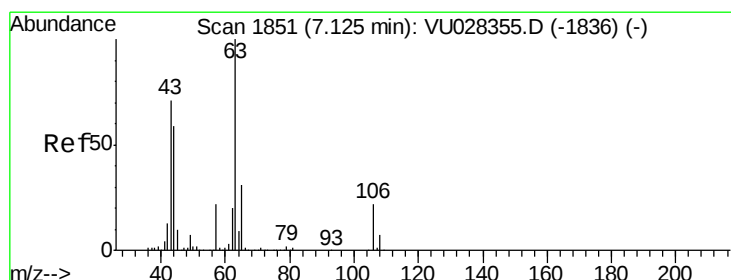
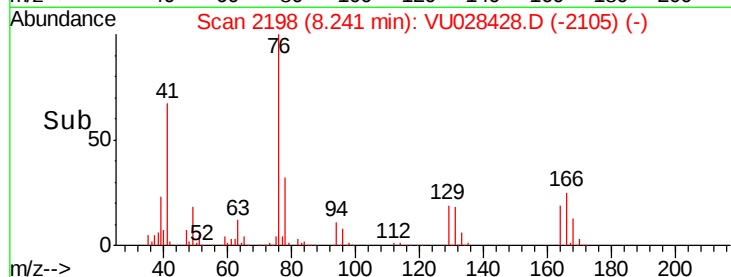
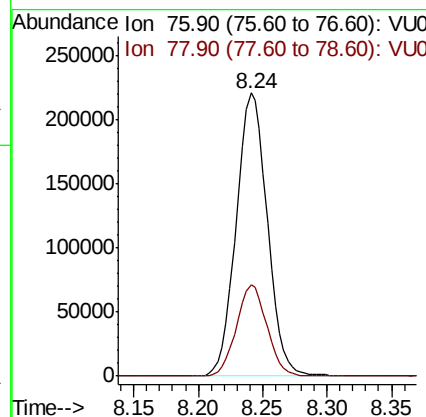
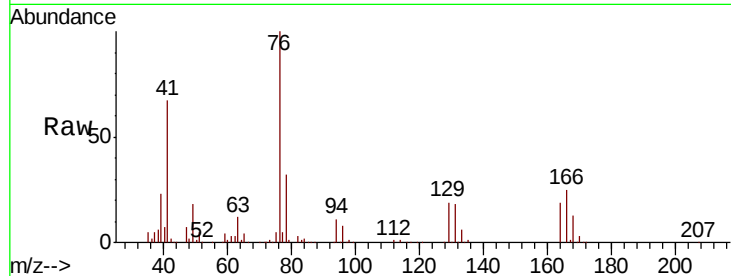
#57
 1,3-Dichloropropane
 Concen: 48.517 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 370832
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0

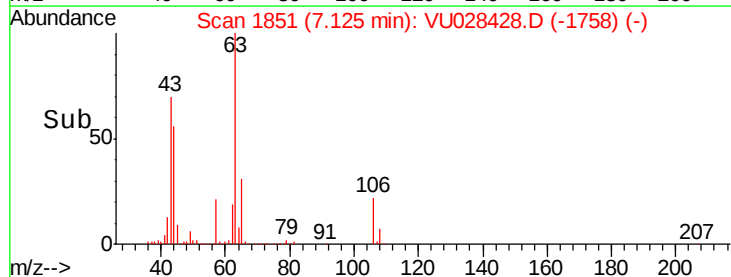
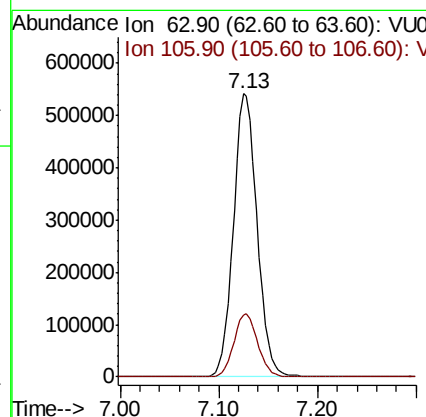
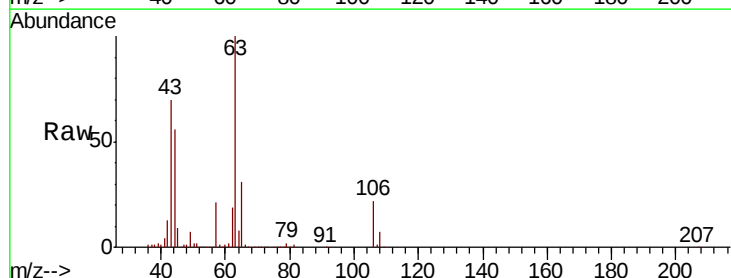
Manual Integrations
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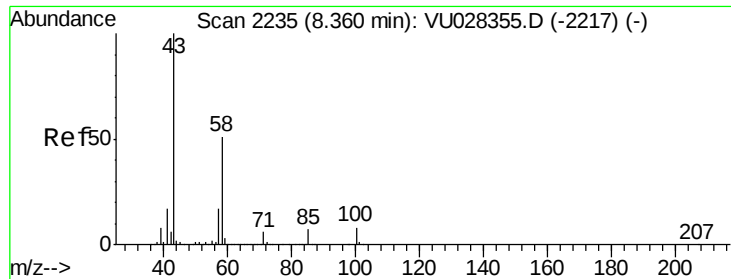
MMDadoda
 12/4/2018 11:18:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.894 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion: 63 Resp: 909427
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.3 25.9





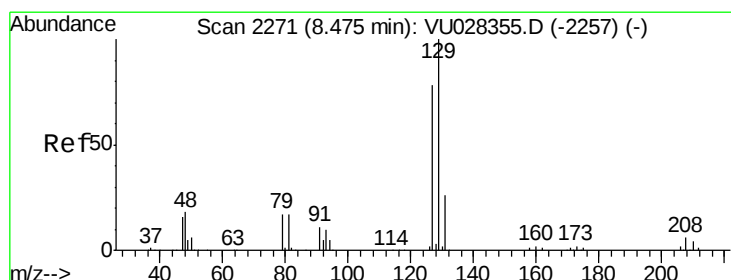
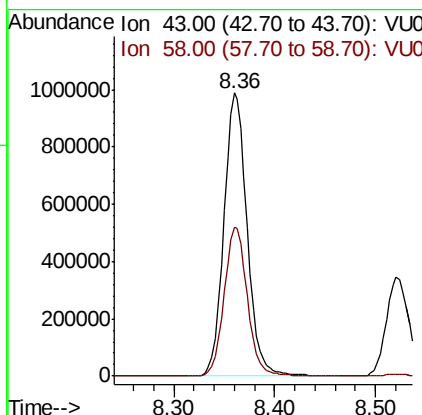
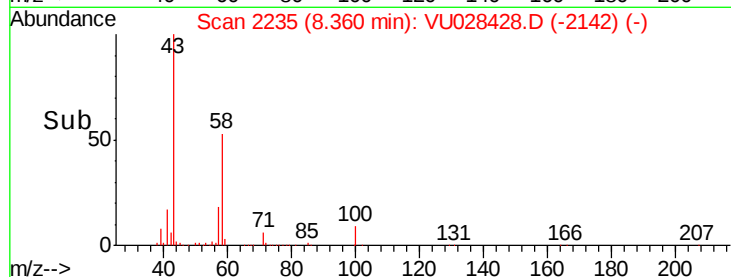
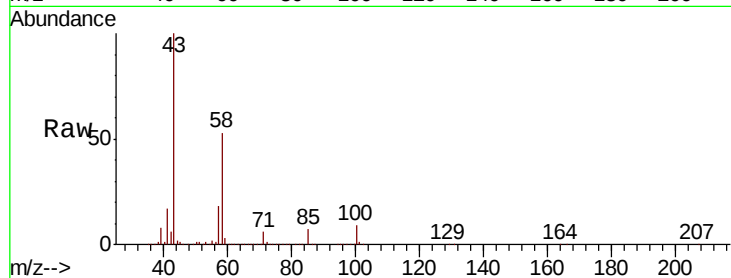
#59
2-Hexanone
Concen: 252.732 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1585468
Ion Ratio Lower Upper
43 100
58 52.7 25.5 76.5

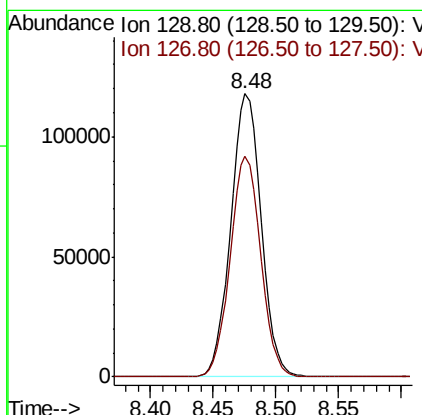
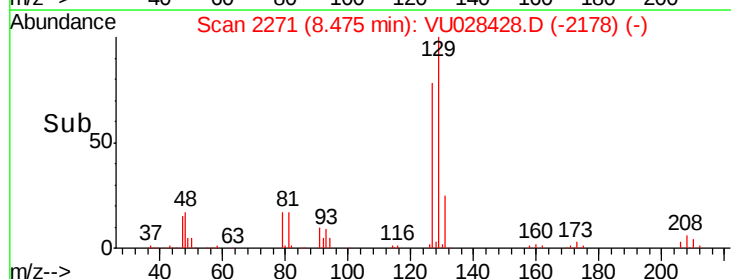
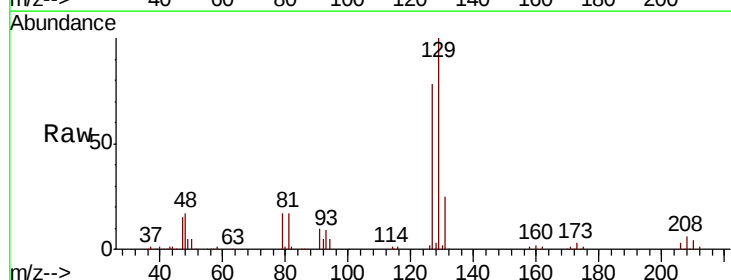
Manual Integrations
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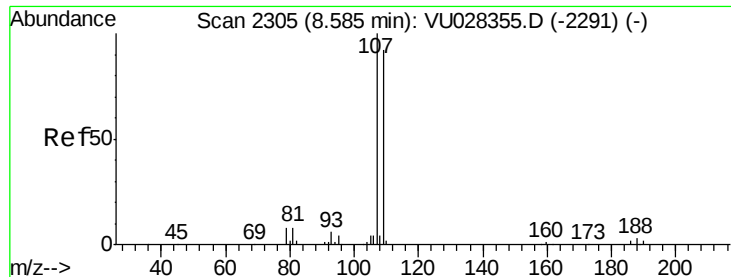
MMDadoda
12/4/2018 11:18:24 AM



#60
Dibromochloromethane
Concen: 50.178 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 129 Resp: 198905
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.744 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 220882

Ion Ratio Lower Upper

107 100

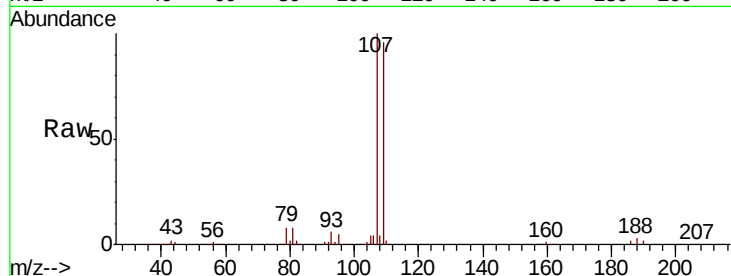
109 93.4 73.2 109.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

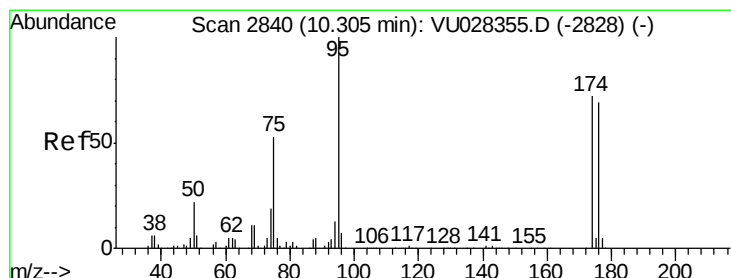
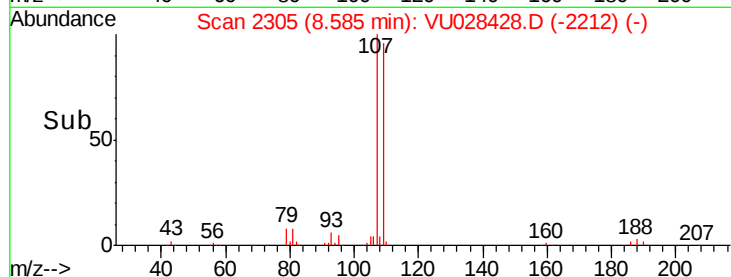
8.58

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.587 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

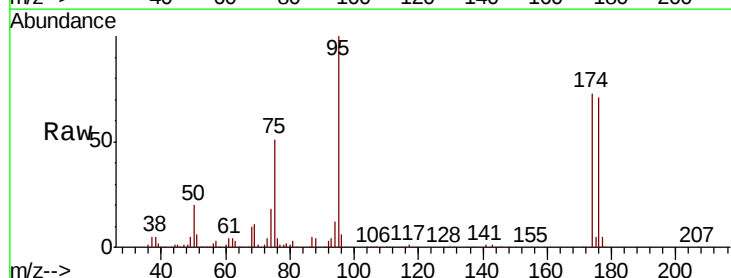
Tgt Ion: 95 Resp: 260183

Ion Ratio Lower Upper

95 100

174 75.0 0.0 145.4

176 72.5 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

10.30

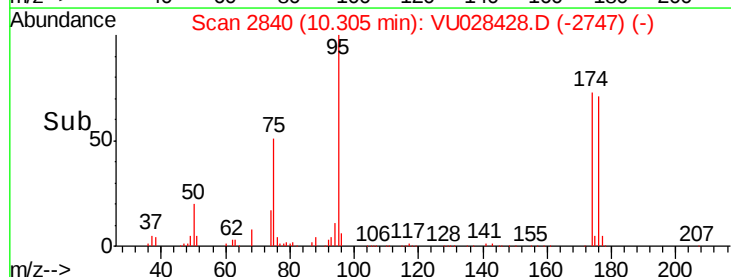
150000

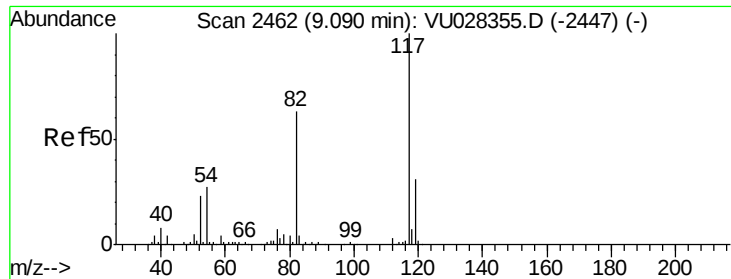
100000

50000

0

Time-->





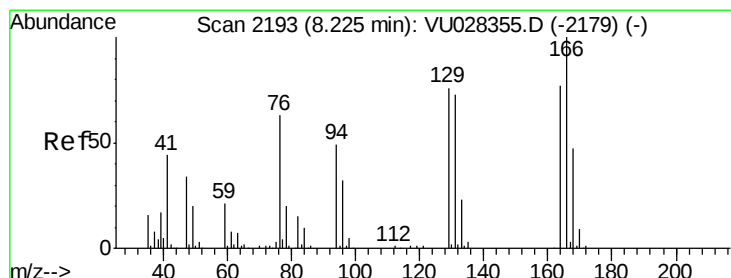
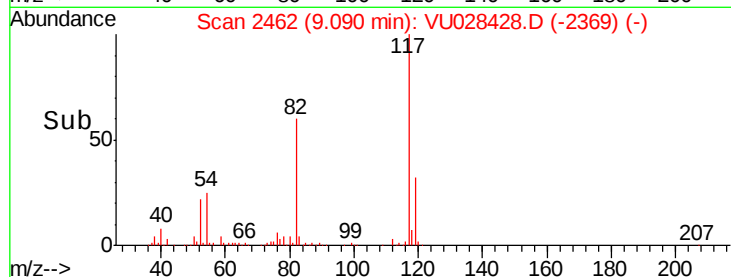
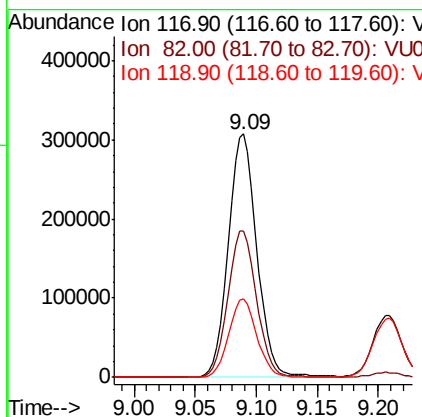
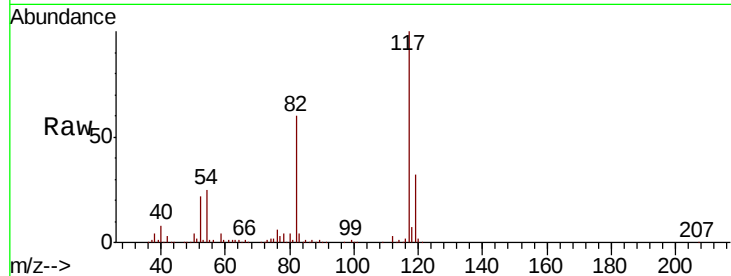
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	50.3	75.5
119	32.3	24.8	37.2

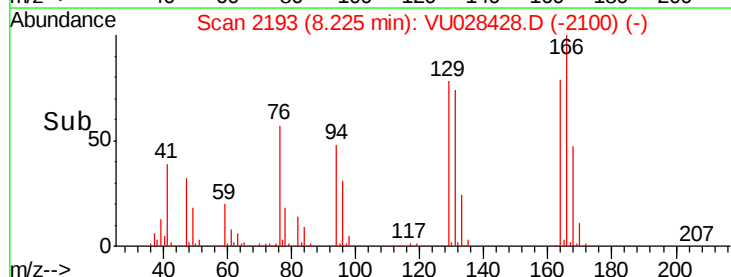
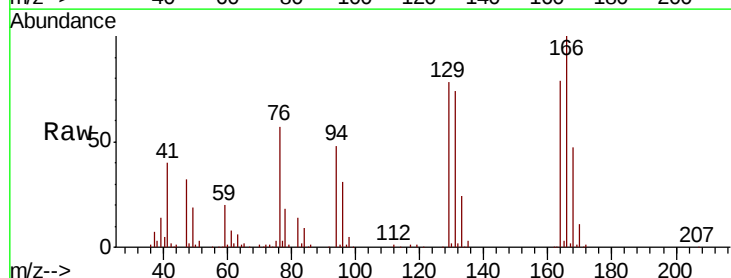
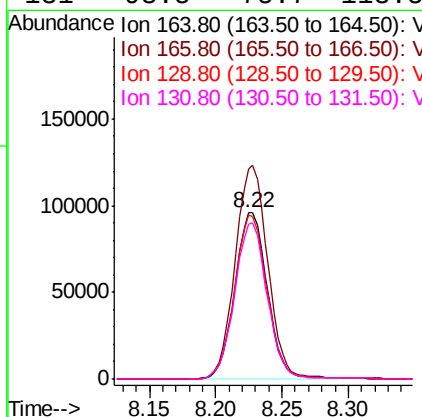
Manual Integrations
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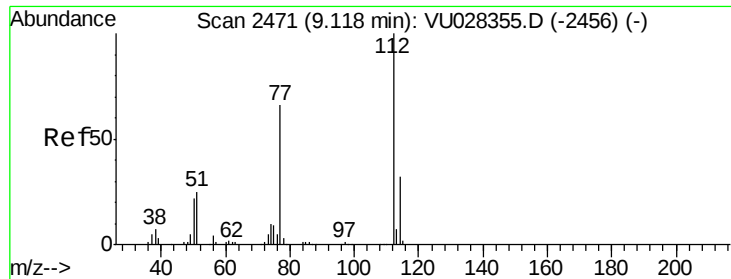
MMDadoda
12/4/2018 11:18:24 AM



#64
Tetrachloroethene
Concen: 49.585 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.0	156.0
129	98.9	79.2	118.8
131	93.5	75.7	113.5





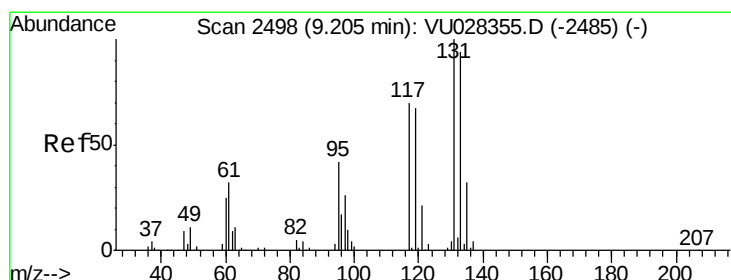
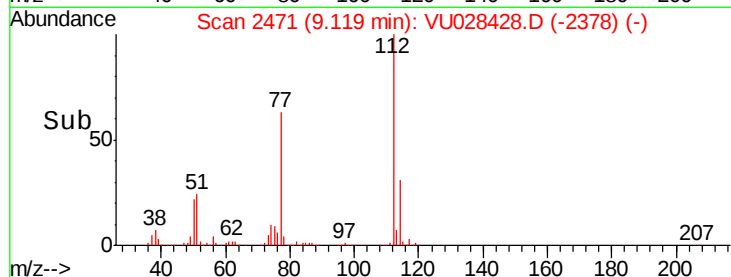
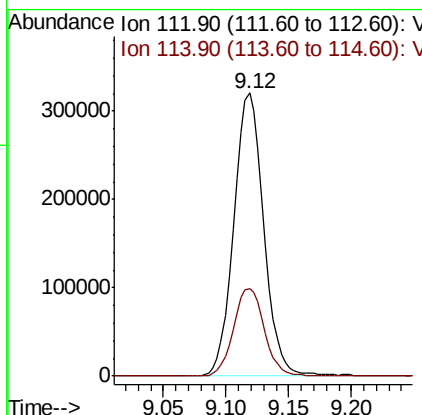
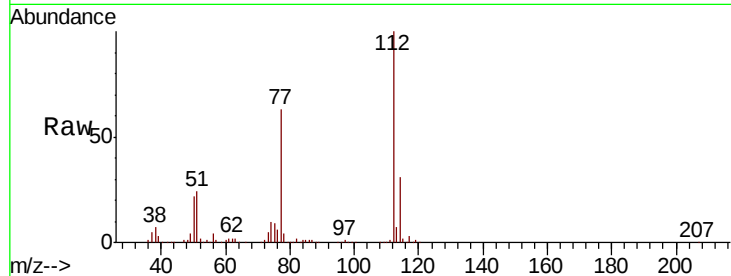
#65
Chlorobenzene
Concen: 50.910 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.7	38.5

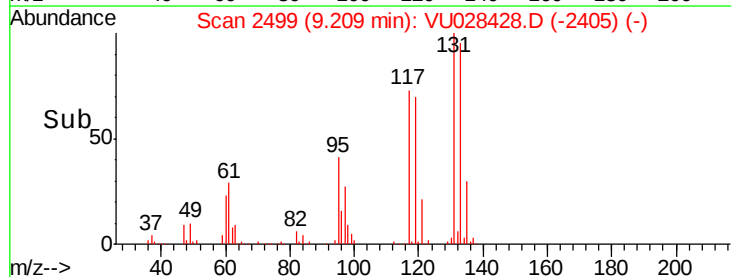
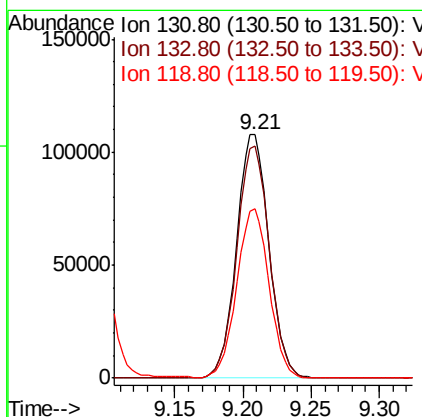
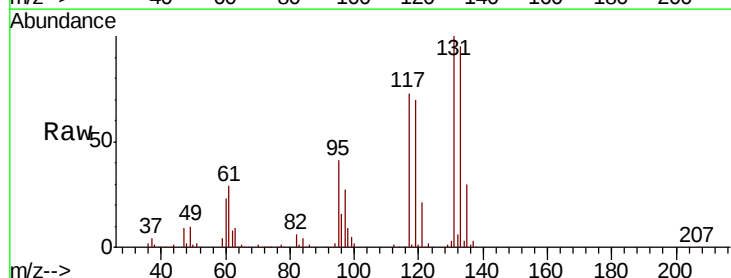
Manual Integrations
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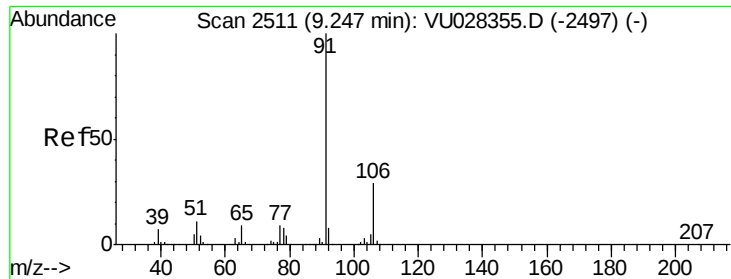
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.637 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.8
119	69.0	34.1	102.2





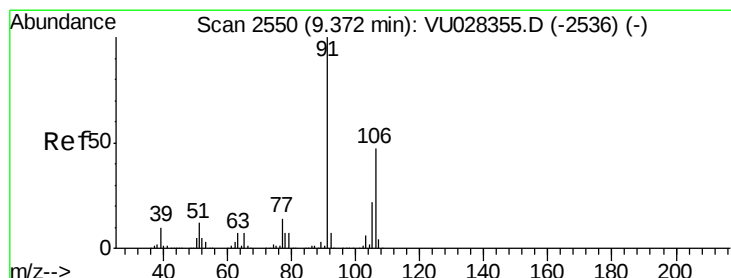
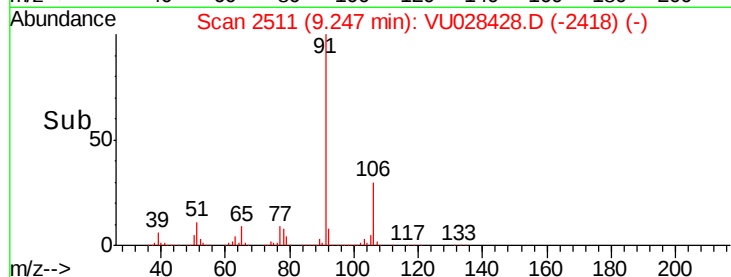
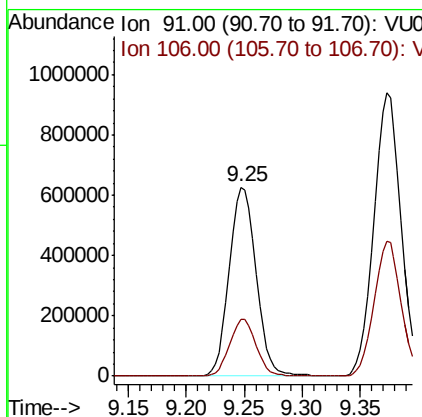
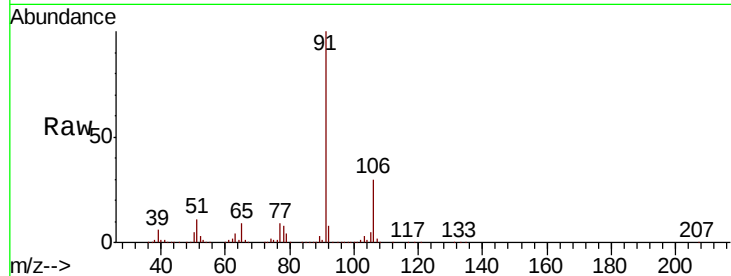
#67
Ethyl Benzene
Concen: 51.135 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1005585
Ion Ratio Lower Upper
91 100
106 29.9 23.3 34.9

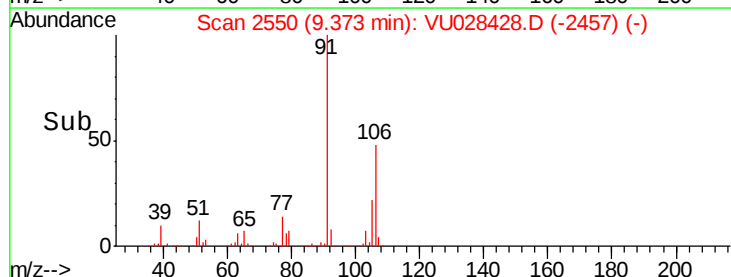
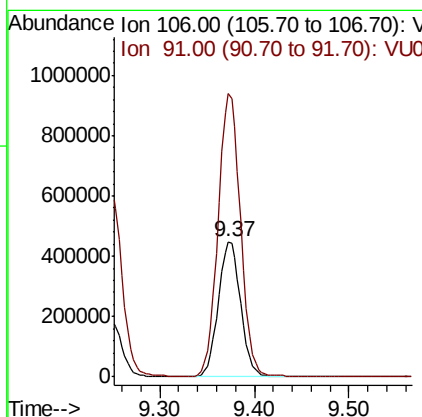
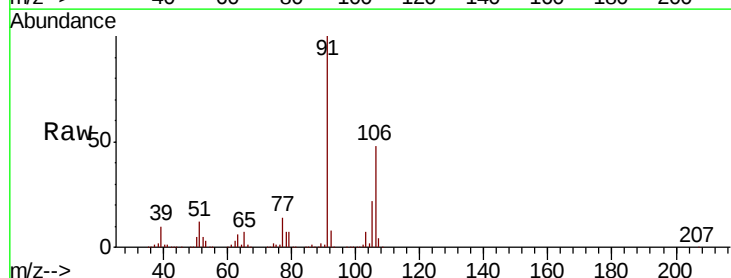
Manual Integrations
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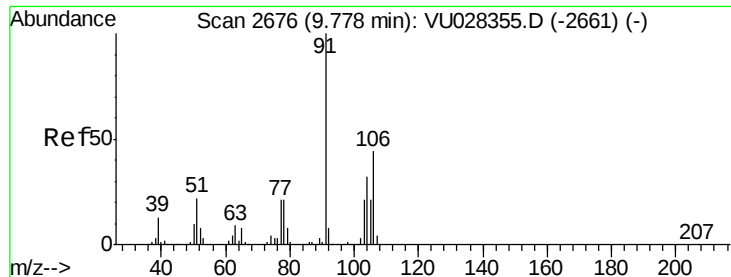
MMDadoda
12/4/2018 11:18:24 AM



#68
m/p-Xylenes
Concen: 103.626 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 106 Resp: 733491
Ion Ratio Lower Upper
106 100
91 210.8 171.0 256.6





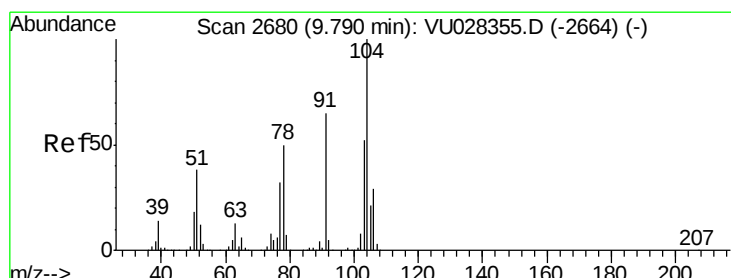
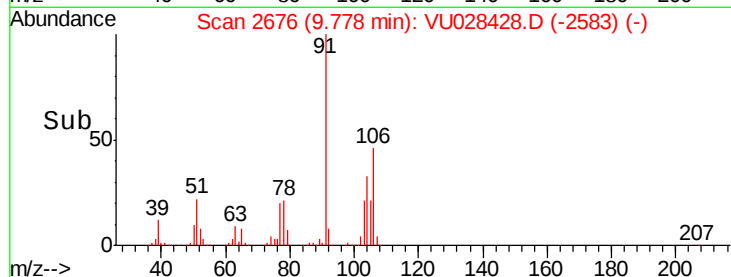
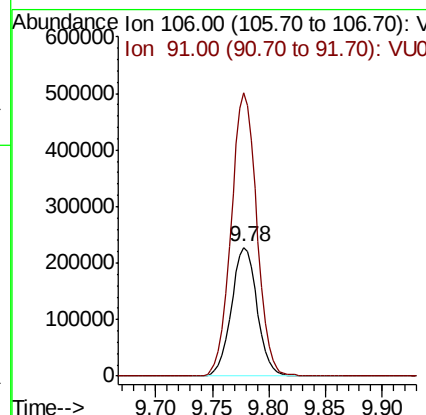
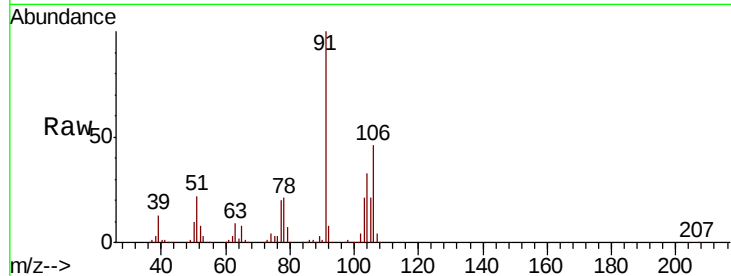
#69
o-Xylene
Concen: 50.960 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.4	112.7	358579		338.0

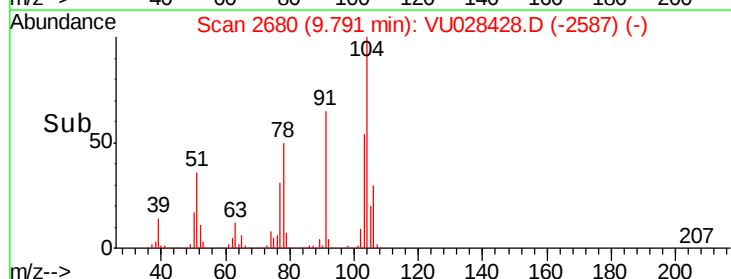
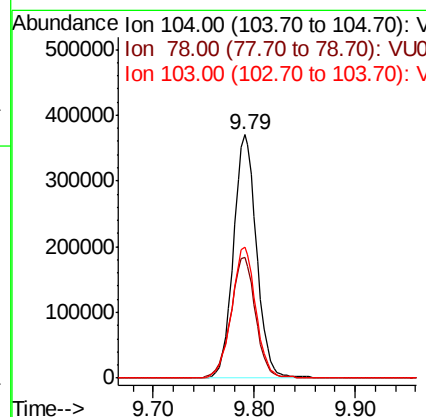
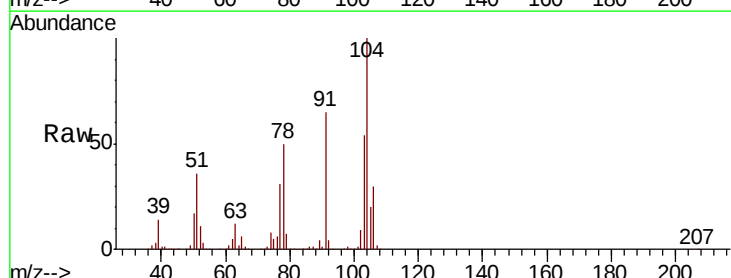
Manual Integrations
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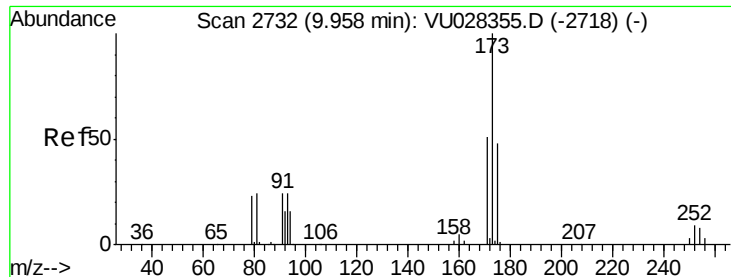
MMDadoda
12/4/2018 11:18:24 AM



#70
Styrene
Concen: 52.264 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.3	43.3	593104		64.9
103	56.5	44.8			67.2





#71

Bromoform

Concen: 50.896 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 153107

Ion Ratio Lower Upper

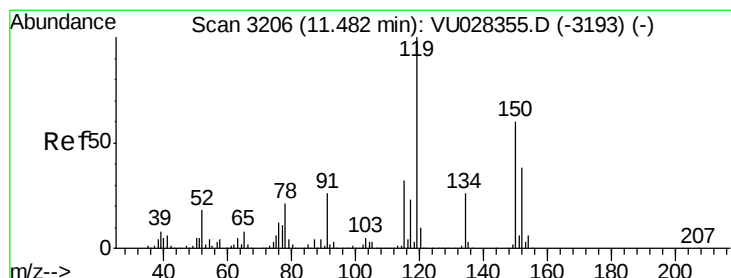
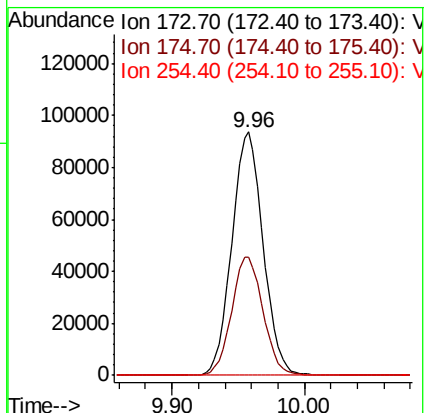
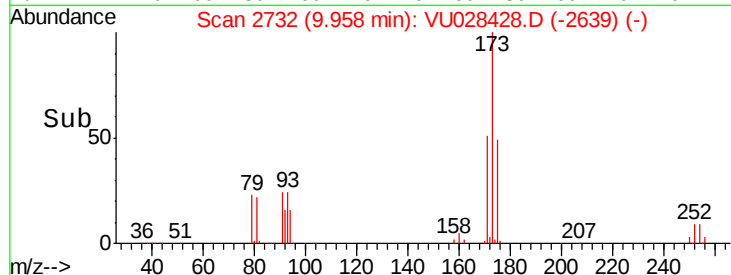
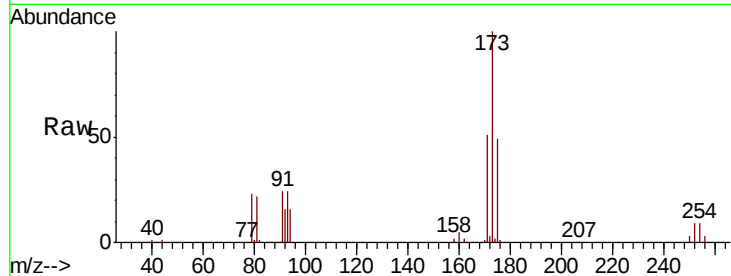
173 100

175 48.8 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: VU028428.D

Acq: 03 Dec 2018 09:50

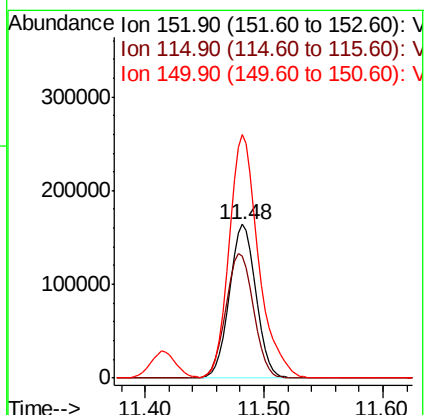
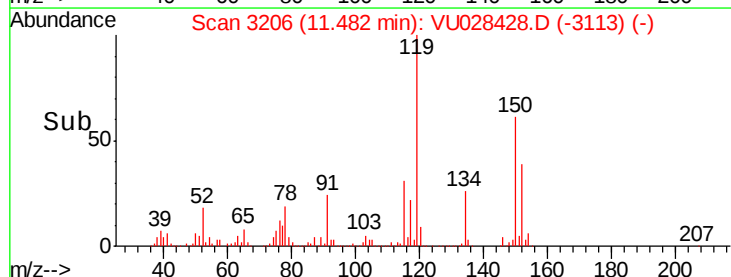
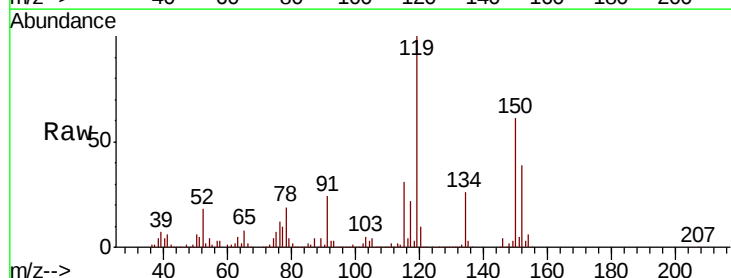
Tgt Ion:152 Resp: 253644

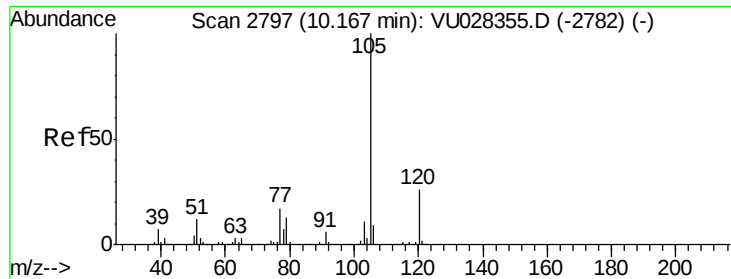
Ion Ratio Lower Upper

152 100

115 84.8 45.0 134.8

150 174.4 0.0 349.2





#73

Isopropylbenzene

Concen: 47.730 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 941575

Ion Ratio Lower Upper

105 100

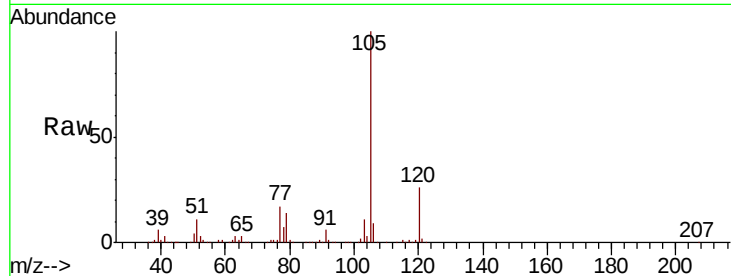
120 25.9 12.8 38.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

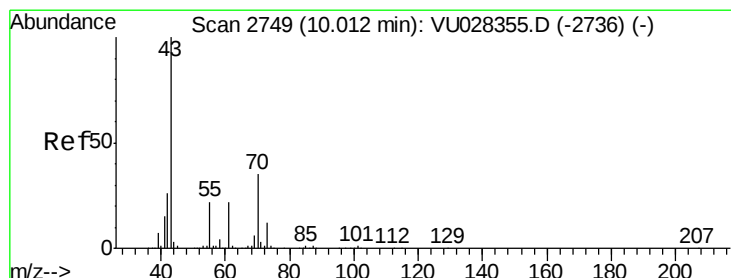
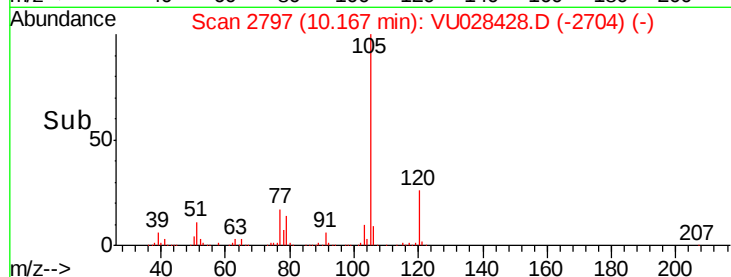
10.17

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 43.541 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion: 43 Resp: 538158

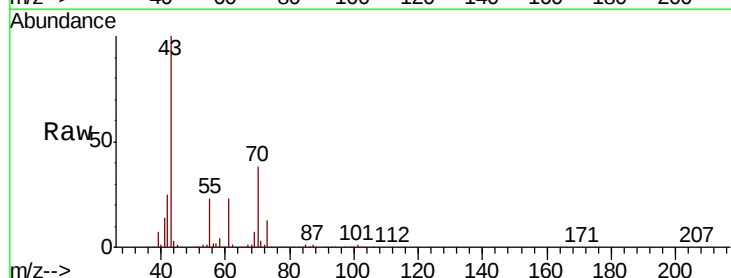
Ion Ratio Lower Upper

43 100

70 37.7 28.4 42.6

55 22.8 18.0 27.0

61 23.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

500000

400000

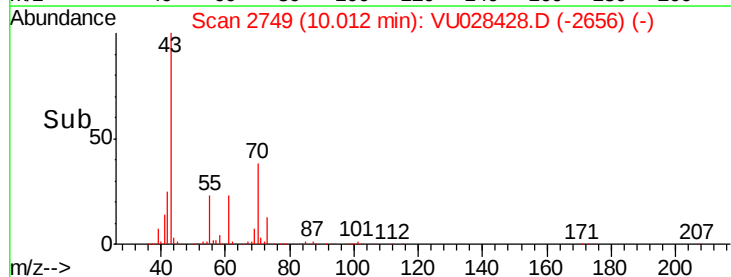
300000

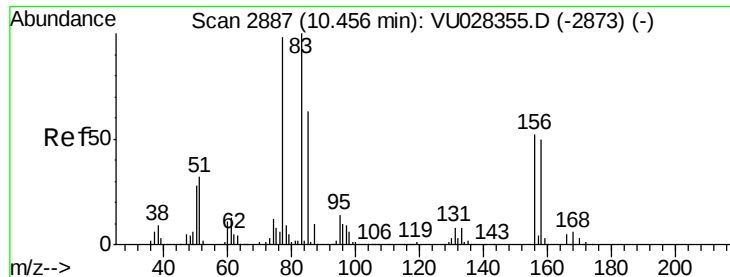
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.792 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 371481

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.2

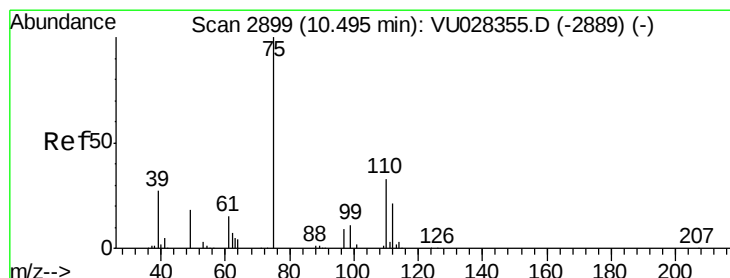
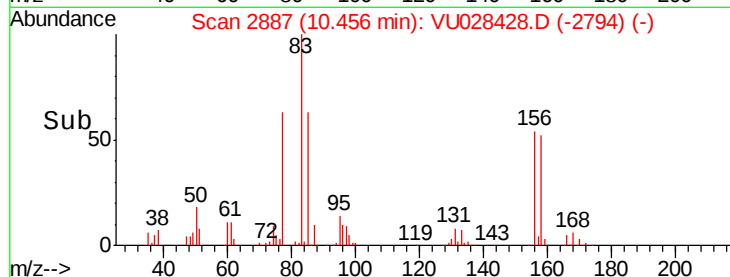
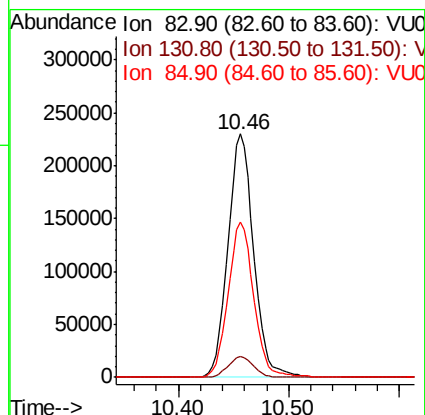
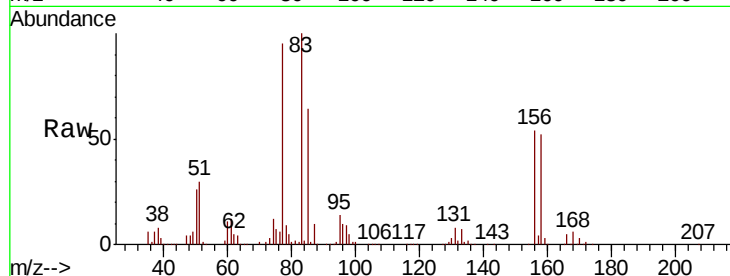
85 63.7 31.8 95.4

Manual Integrations

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12/4/2018 11:18:24 AM



#76

1,2,3-Trichloropropane

Concen: 46.634 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028428.D

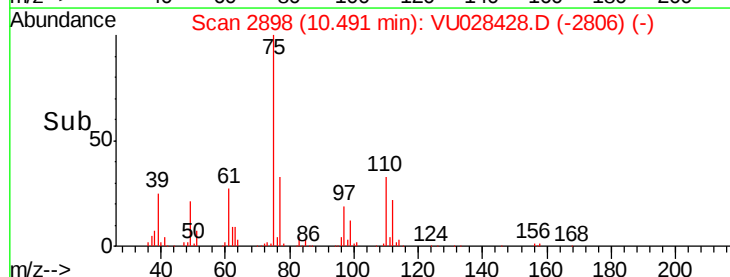
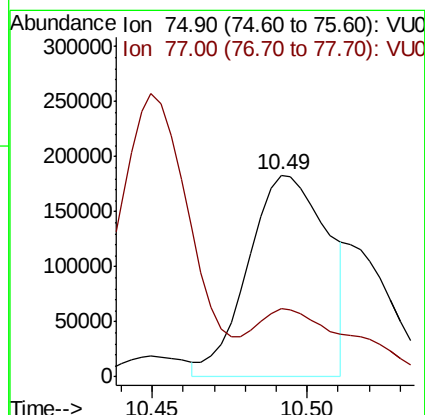
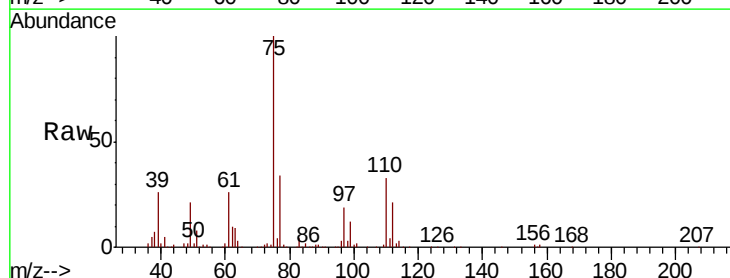
Acq: 03 Dec 2018 09:50

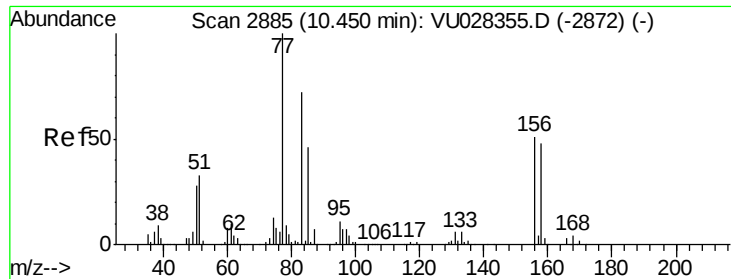
Tgt Ion: 75 Resp: 328015

Ion Ratio Lower Upper

75 100

77 42.0 22.4 67.0





#77

Bromobenzene

Concen: 47.643 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

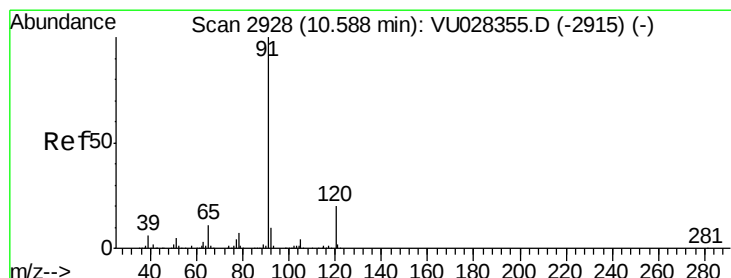
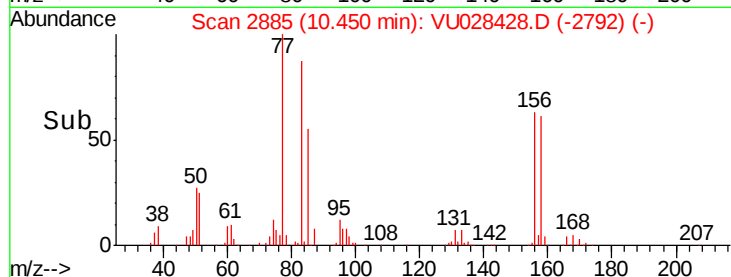
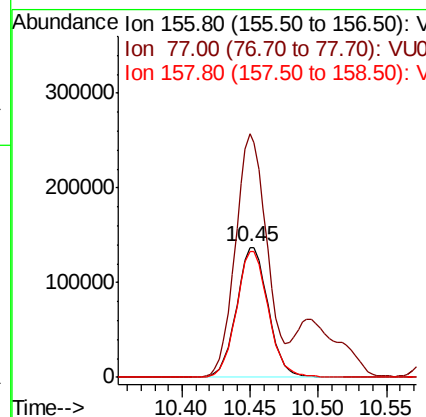
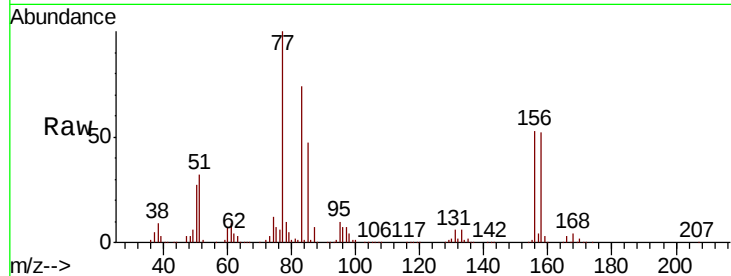
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
221461	156	100			
	77	185.4	97.0	290.9	
	158	97.4	46.8	140.4	

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#78

n-propylbenzene

Concen: 49.156 ug/l

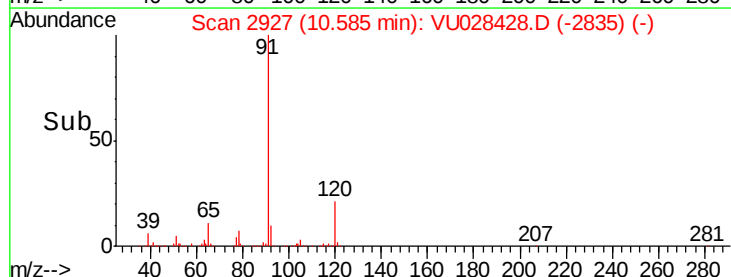
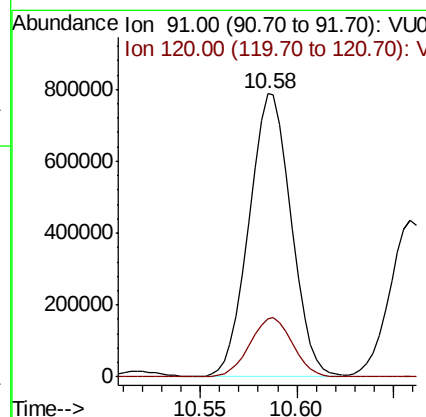
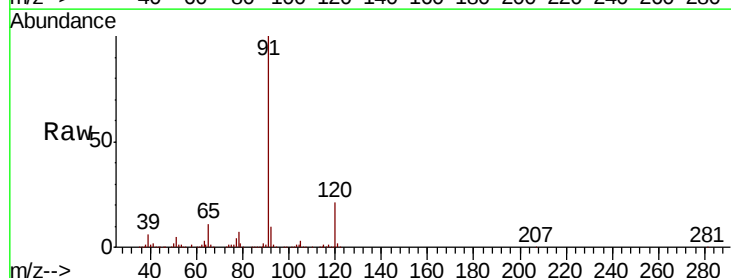
RT: 10.58 min Scan# 2927

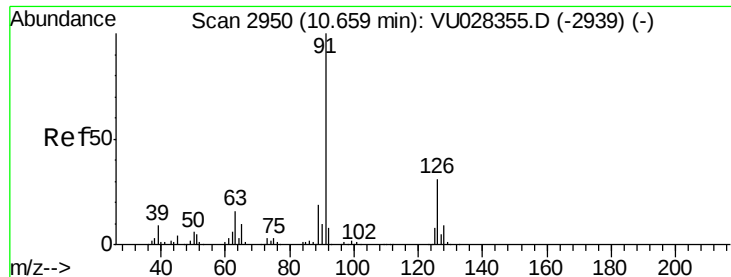
Delta R.T. -0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1196260	91	100			
	120	21.3	10.3	30.8	





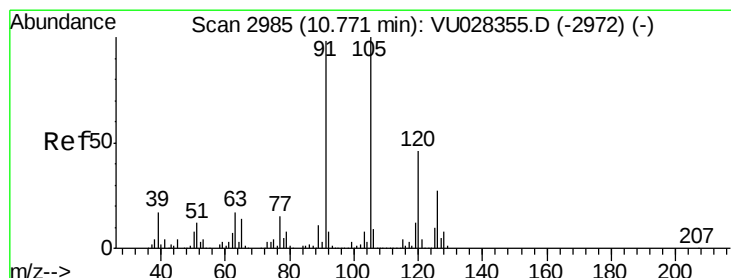
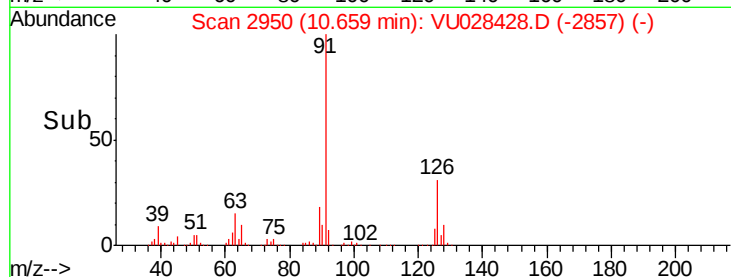
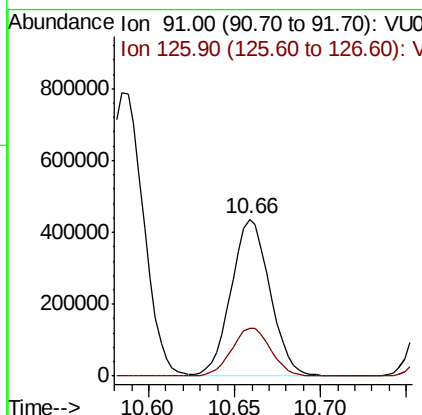
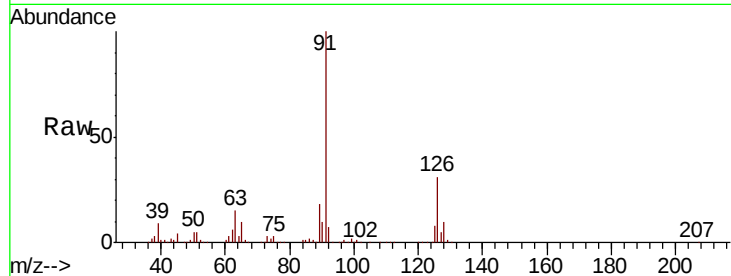
#79
 2-Chlorotoluene
 Concen: 47.373 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 679617
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.4 46.1

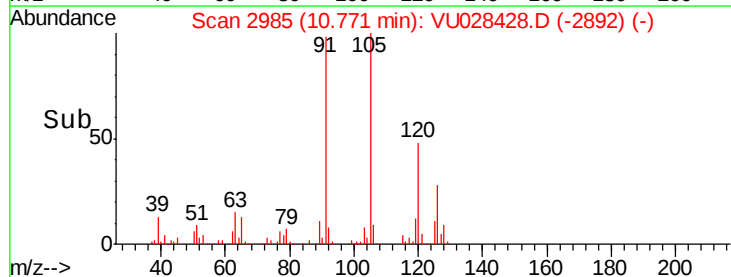
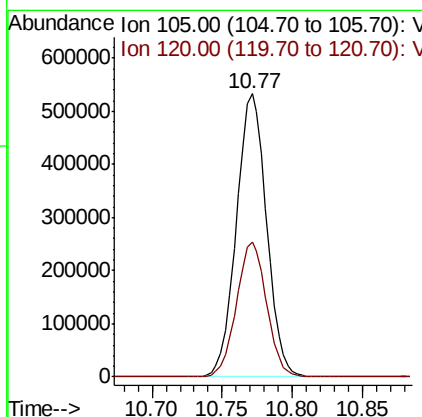
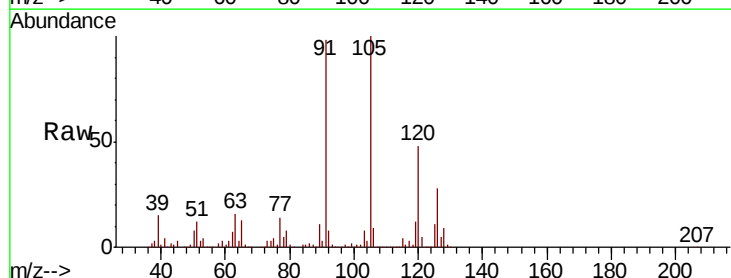
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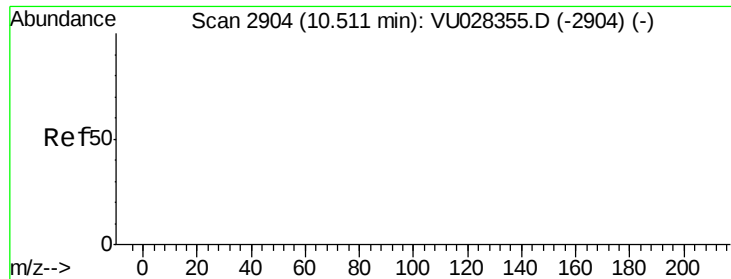
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.034 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion: 105 Resp: 798527
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0





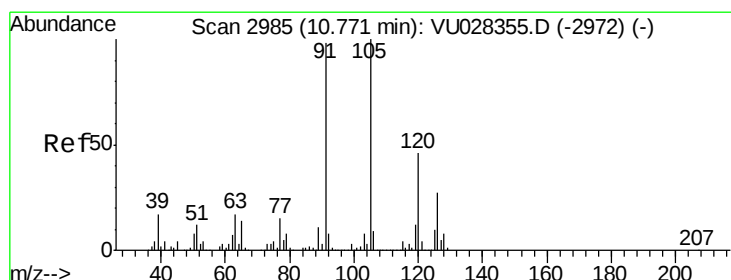
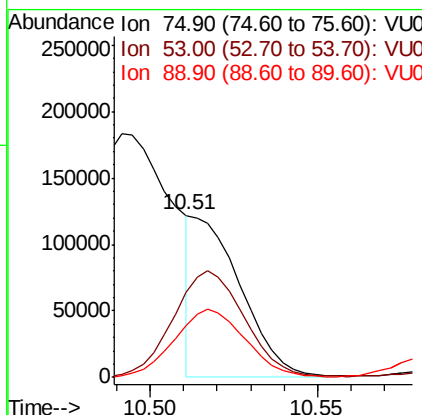
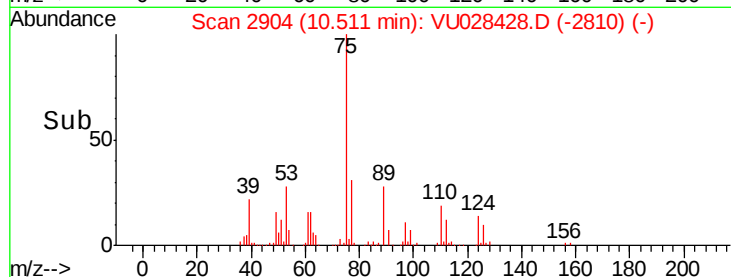
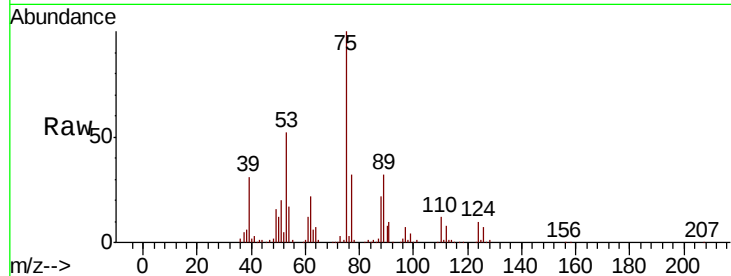
#81
trans-1,4-Dichloro-2-butene
Concen: 45.812 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

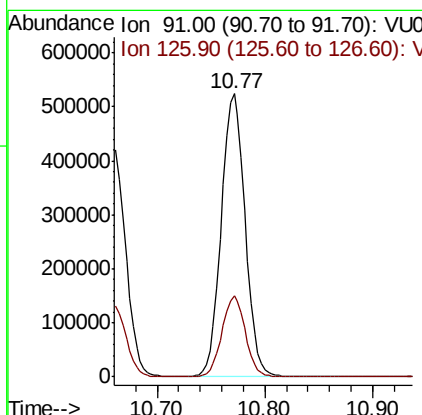
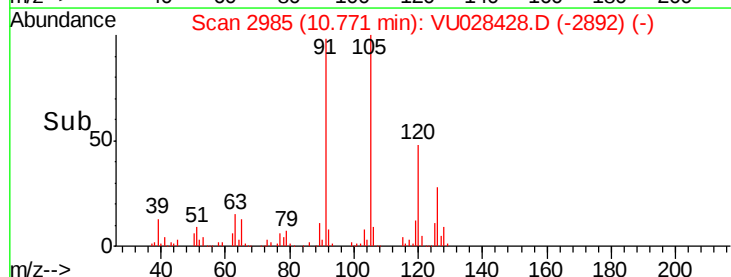
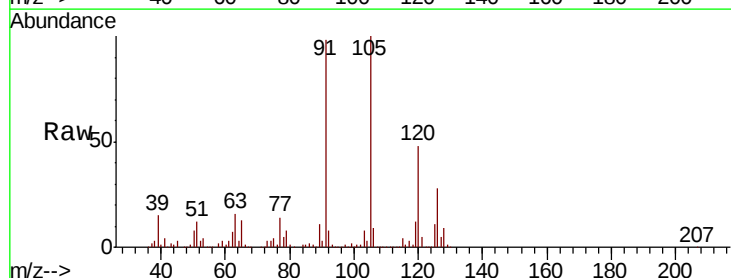
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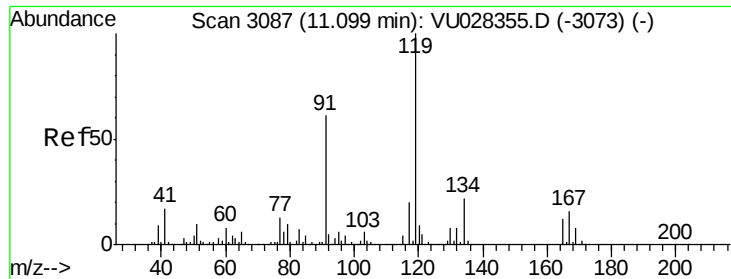
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#82
4-Chlorotoluene
Concen: 48.601 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.9	41.6





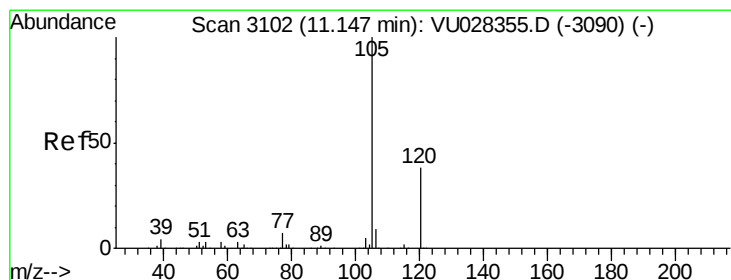
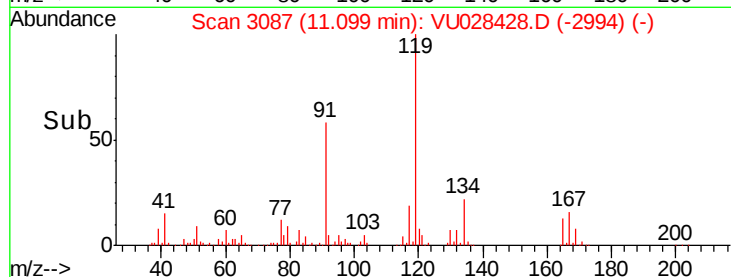
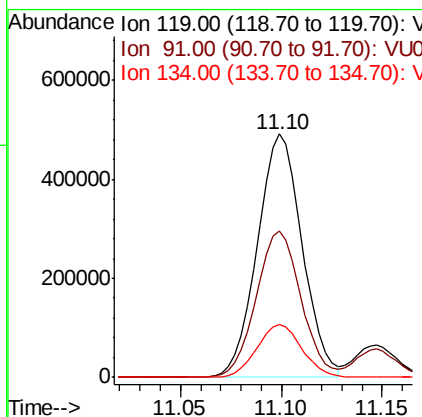
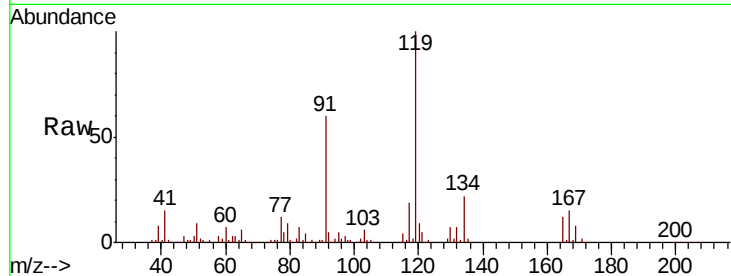
#83
tert-Butylbenzene
Concen: 49.173 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.8	92.4
134	21.9	11.1	33.1

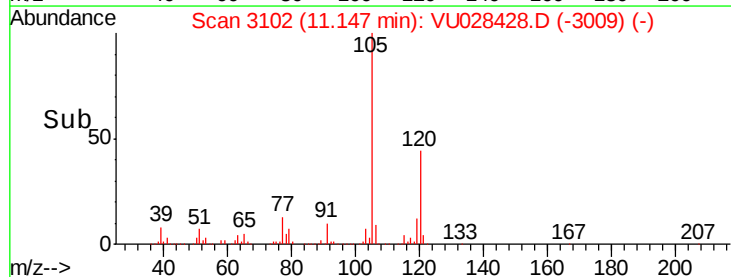
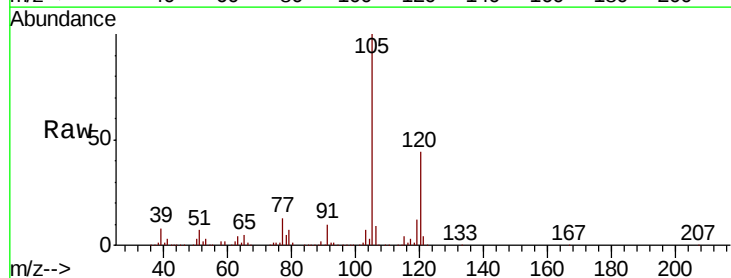
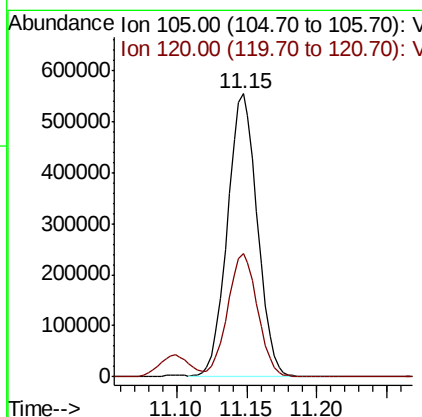
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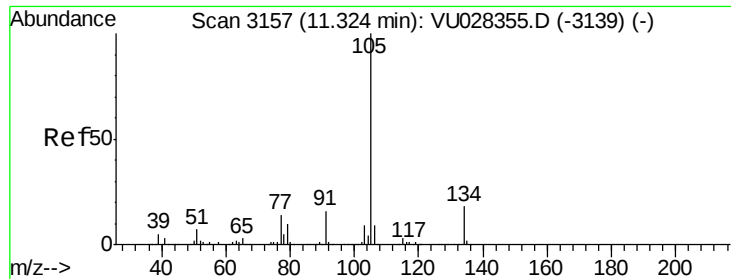
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#84
1,2,4-Trimethylbenzene
Concen: 48.637 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.4	64.3





#85

sec-Butylbenzene

Concen: 49.115 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 988587

Ion Ratio Lower Upper

105 100

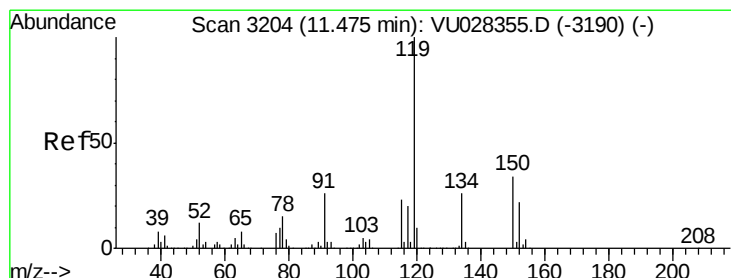
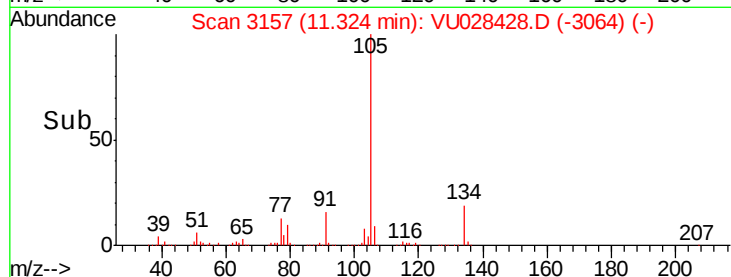
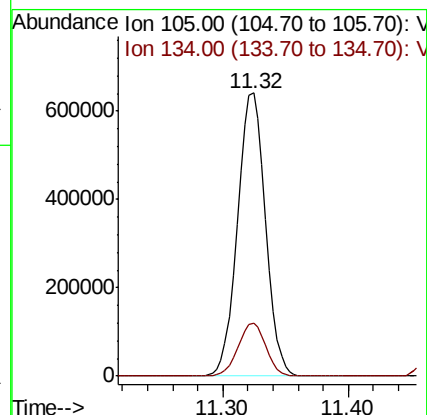
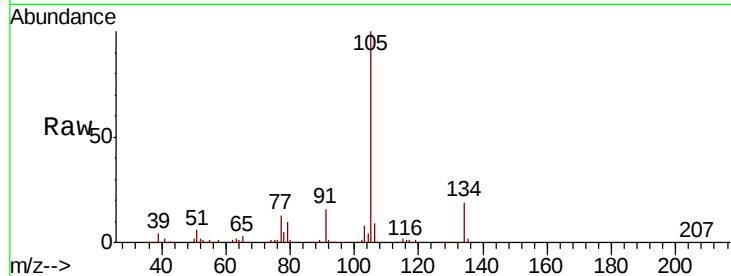
134 18.8 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 50.776 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

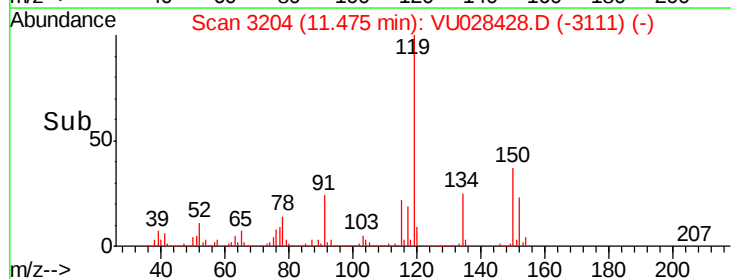
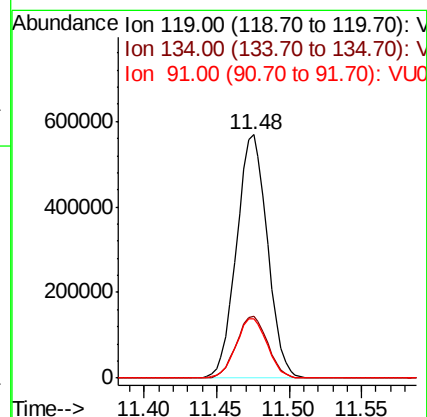
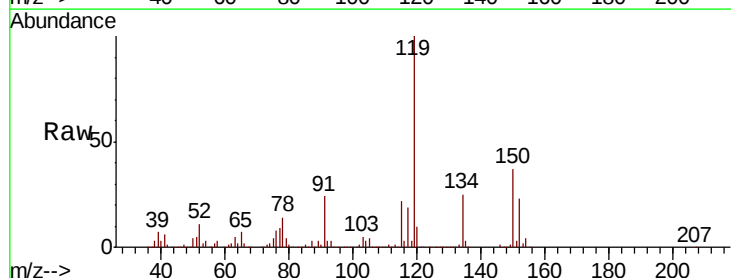
Tgt Ion:119 Resp: 840365

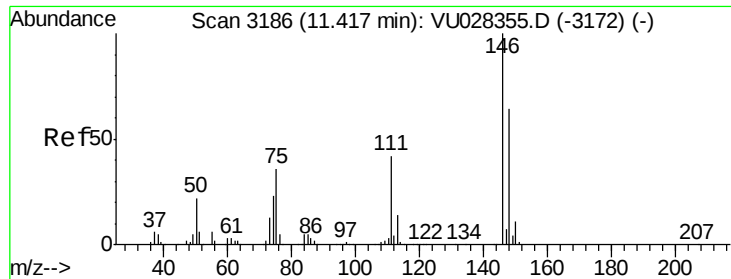
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 24.9 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 49.299 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

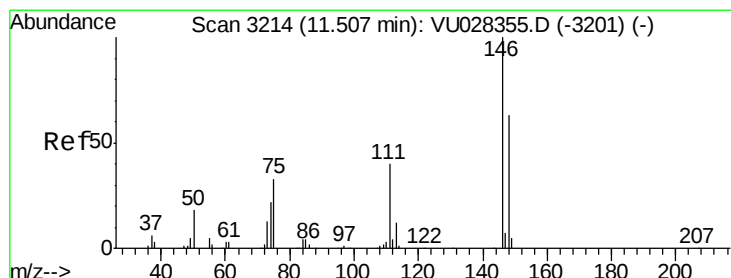
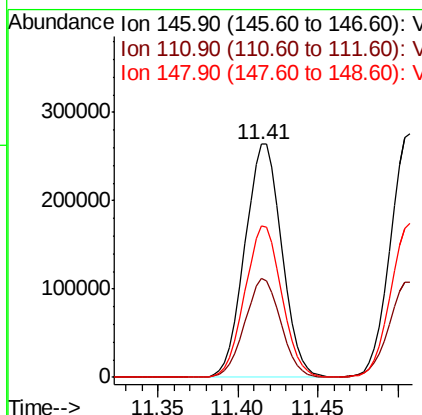
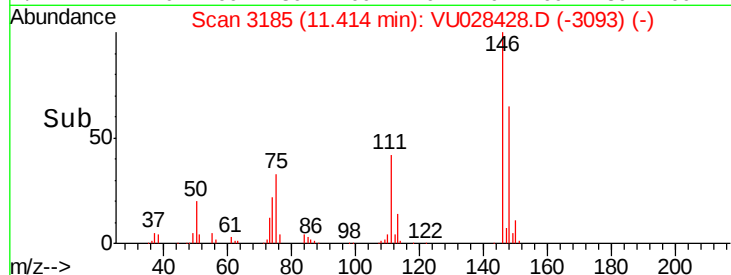
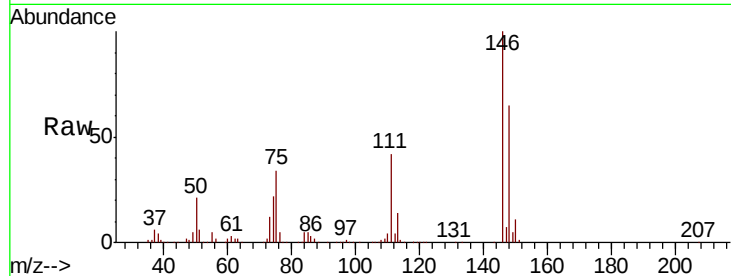
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	417956
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.8	62.4
148	64.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 50.001 ug/l

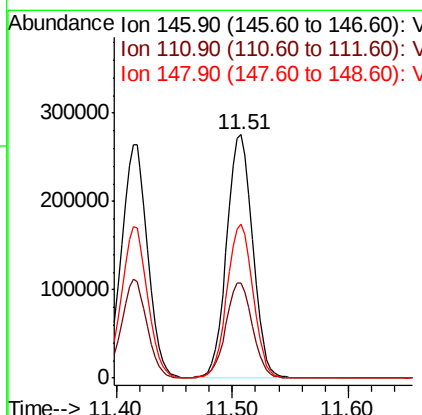
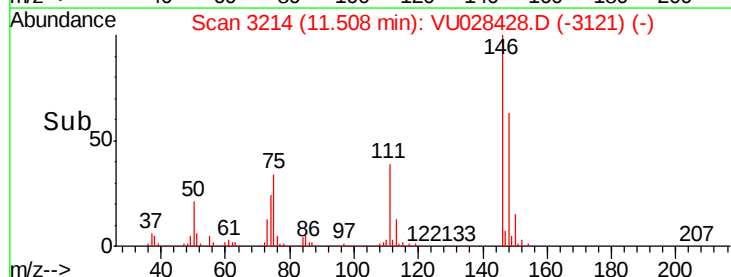
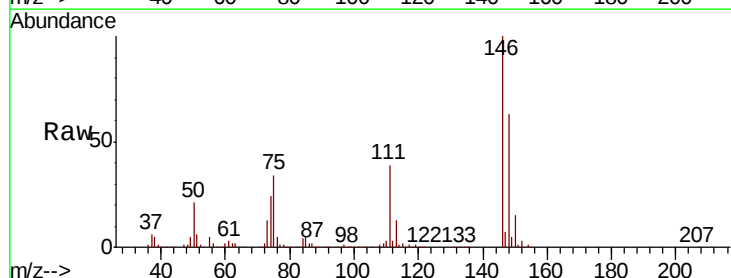
RT: 11.51 min Scan# 3214

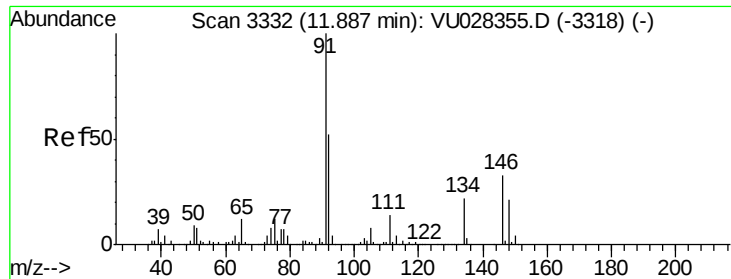
Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion:	146	Resp:	426626
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.6	61.9
148	63.5	31.1	93.5





#89

n-Butylbenzene

Concen: 53.529 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

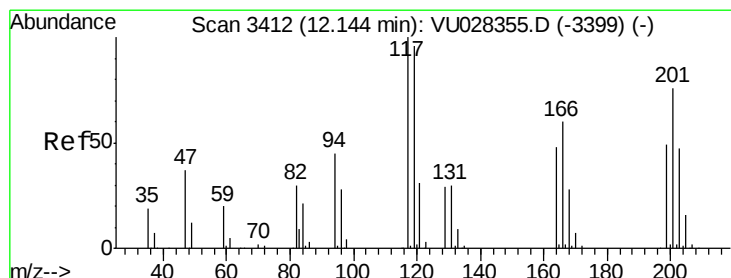
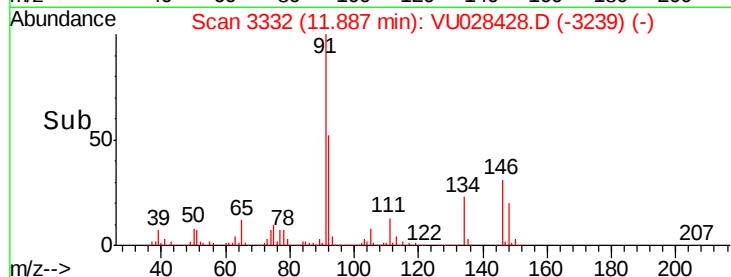
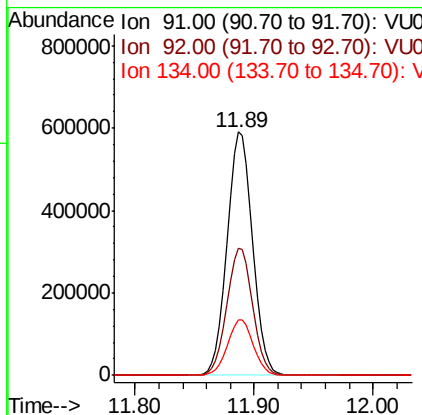
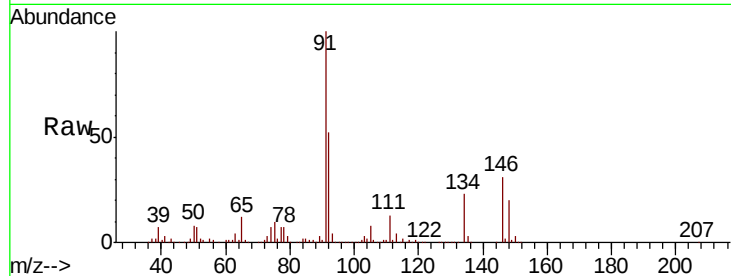
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	874351
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.2	78.5
134	23.0	11.1	33.1

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#90

Hexachloroethane

Concen: 49.389 ug/l

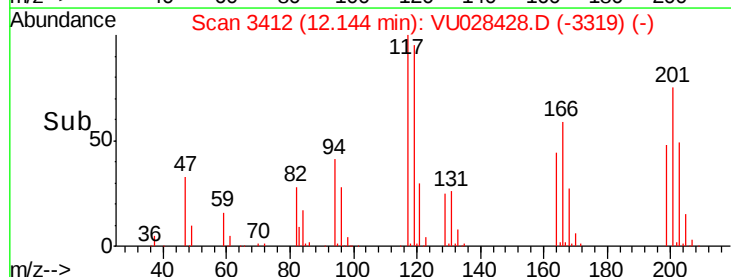
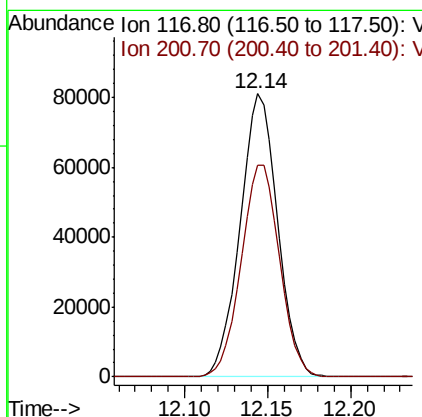
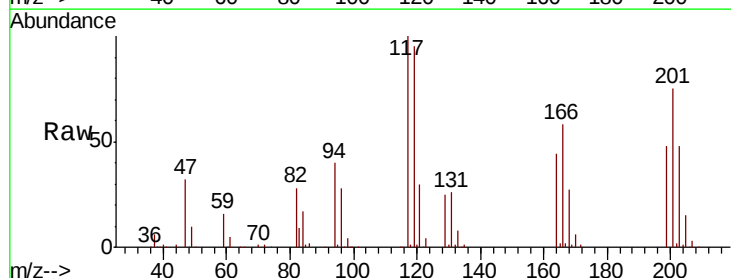
RT: 12.14 min Scan# 3412

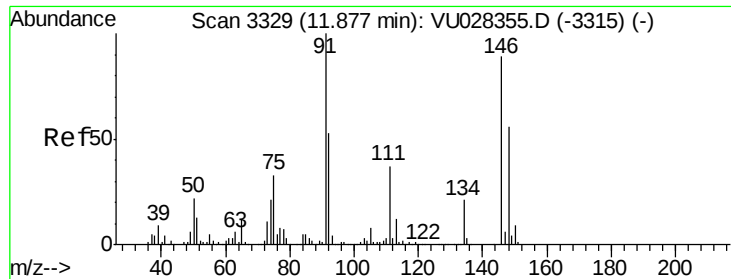
Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion:	117	Resp:	127615
Ion Ratio	Lower	Upper	
117	100		
201	76.6	37.7	113.1





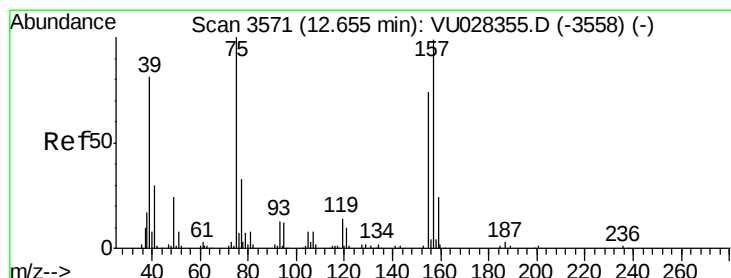
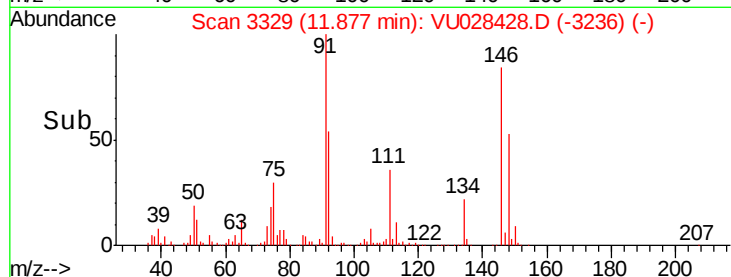
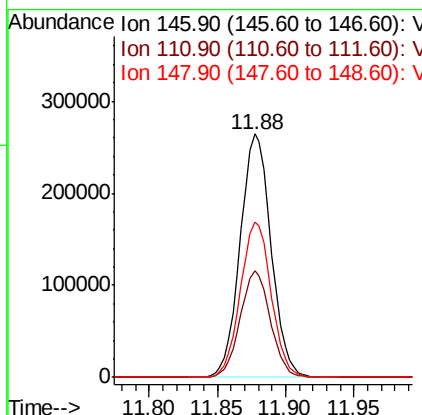
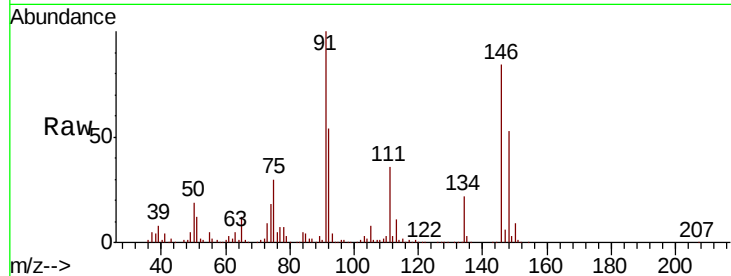
#91
 1,2-Dichlorobenzene
 Concen: 49.107 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	63.7	32.2	96.6

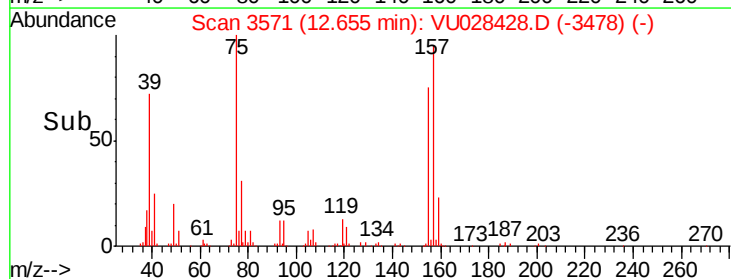
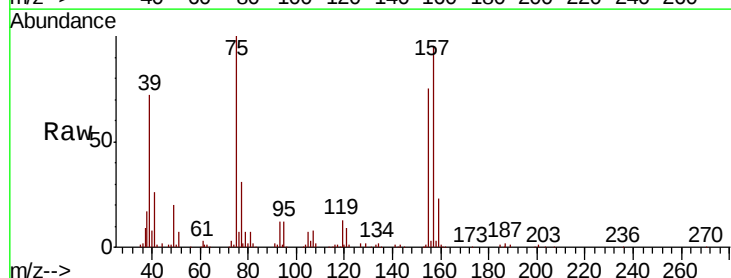
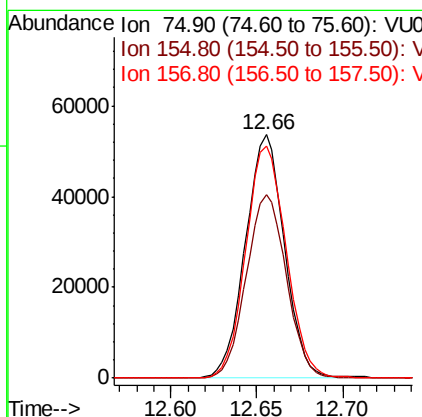
Manual Integrations
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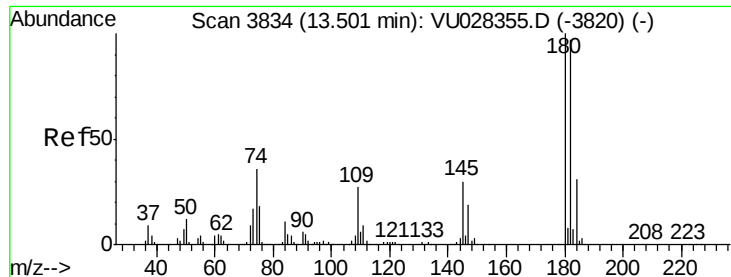
MMDadoda
 12/4/2018 11:18:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.681 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	36.9	110.7
157	98.7	47.5	142.5





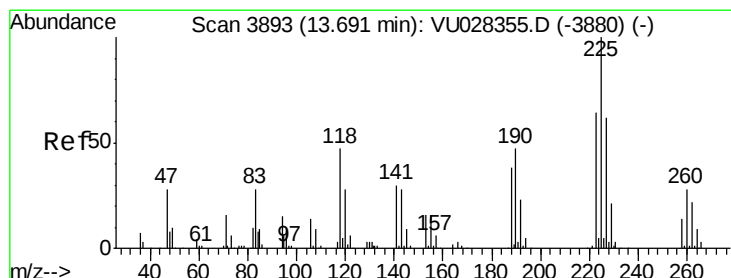
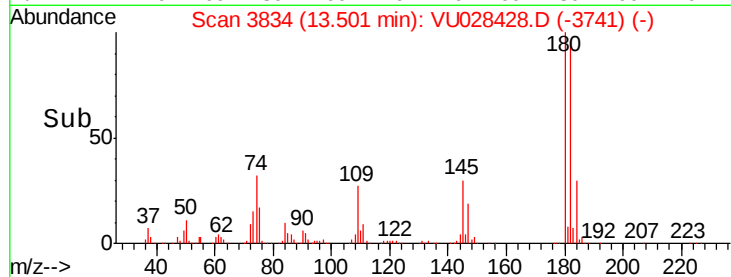
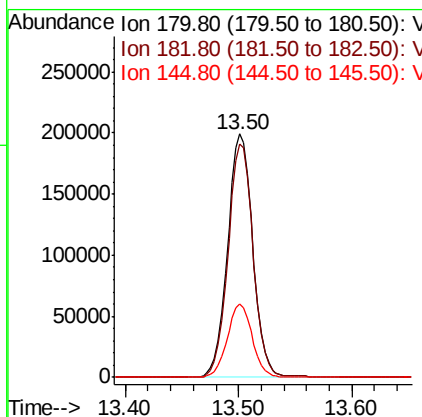
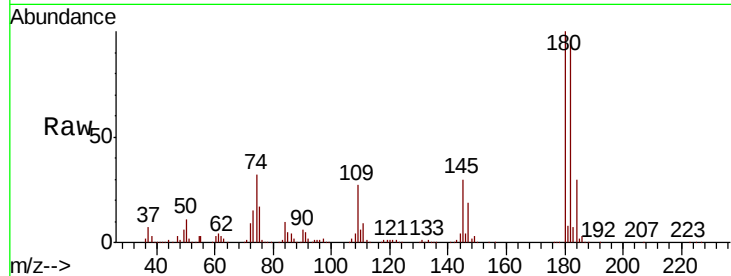
#93
 1,2,4-Trichlorobenzene
 Concen: 55.758 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	308719		
182	95.4	48.3	144.9	
145	29.8	15.2	45.5	

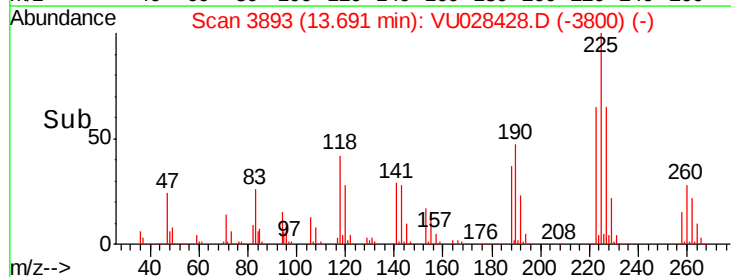
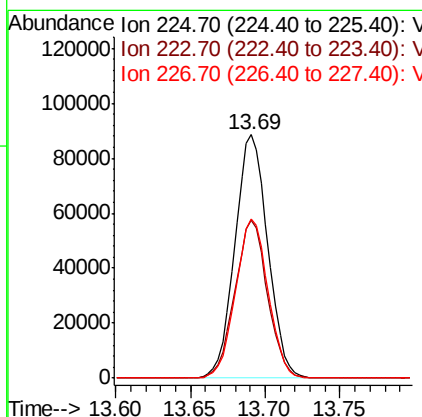
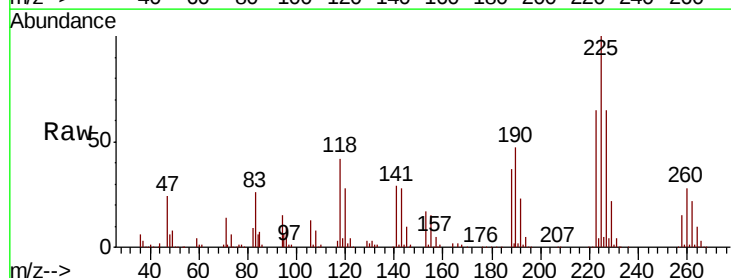
Manual Integrations
 APPROVED

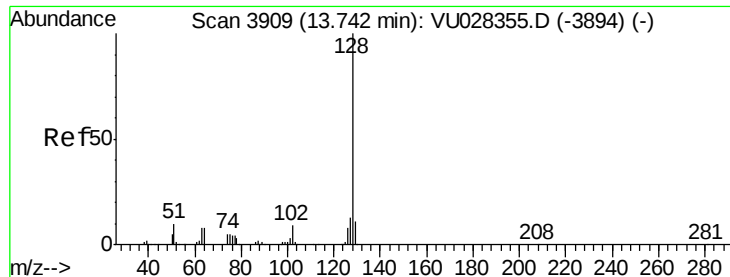
MMDadoda
 12/4/2018 11:18:24 AM



#94
 Hexachlorobutadiene
 Concen: 51.675 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135101		
223	64.5	31.6	94.7	
227	64.7	30.8	92.4	





#95

Naphthalene

Concen: 48.371 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1030518

Ion Ratio Lower Upper

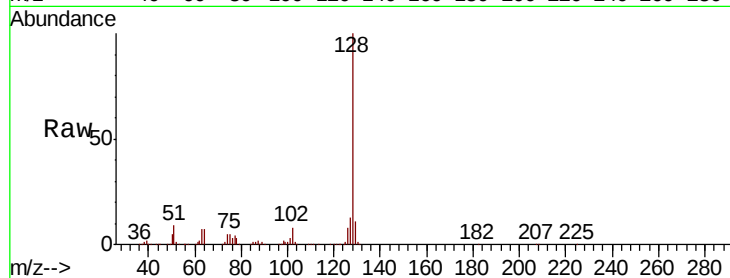
128 100

127 12.9 10.6 15.8

129 10.6 8.6 12.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 11:18:24 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

800000

600000

400000

200000

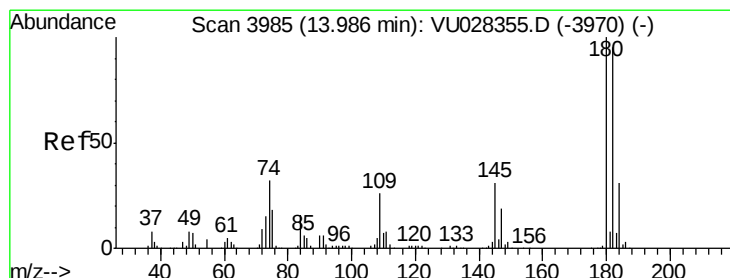
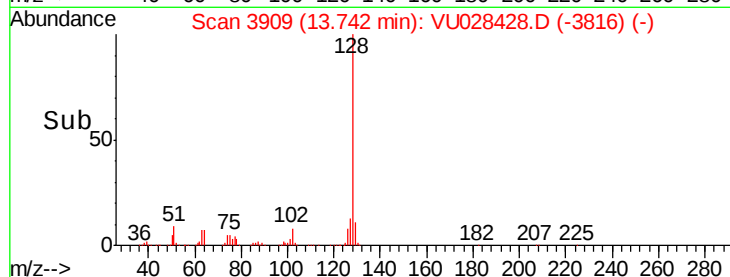
0

13.74

13.70

13.80

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 54.052 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

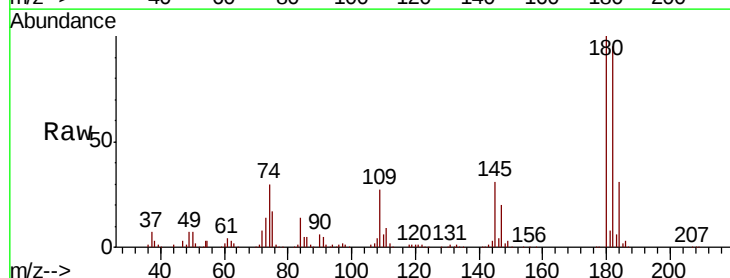
Tgt Ion:180 Resp: 302677

Ion Ratio Lower Upper

180 100

182 95.9 47.7 143.1

145 32.1 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

250000

200000

150000

100000

50000

0

13.99

13.90

14.00

14.10

Time-->

