

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025457.D
 Acq On : 17 Jul 2018 13:07
 Operator : MD/SY
 Sample : VSTD20045
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

Quant Time: Jul 18 05:26:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 18 05:25:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	363017	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	349131	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	197238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	337474	197.13	ug/L	0.00
7) Chloroethane-d5	1.66	69	282475	193.68	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	742168	197.44	ug/L	0.00
21) 2-Butanone-d5	4.18	46	698070	383.21	ug/L	0.00
24) Chloroform-d	4.65	84	861119	193.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	571926	189.24	ug/L	0.00
32) Benzene-d6	5.35	84	1608563	190.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	529726	189.59	ug/L	0.00
41) Toluene-d8	7.57	98	1591357	194.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	292043	200.79	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	590253	407.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	847132	204.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	750488	189.87	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	553687	185.391	ug/L	100
3) Chloromethane	1.33	50	501685	189.819	ug/L	99
5) Vinyl chloride	1.40	62	501215	188.610	ug/L	100
6) Bromomethane	1.61	94	258775	178.668	ug/L	99
8) Chloroethane	1.69	64	294348	185.091	ug/L	99
9) Trichlorofluoromethane	1.88	101	711299	182.071	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	415338	195.811	ug/L	99
12) 1,1-Dichloroethene	2.28	96	381656	193.970	ug/L	92
13) Acetone	2.32	43	520383	324.436	ug/L	100
14) Carbon disulfide	2.47	76	1199662	188.687	ug/L	100
15) Methyl Acetate	2.62	43	530002	180.283	ug/L	98
16) Methylene chloride	2.70	84	473528	184.027	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	433414	186.227	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	1536519	186.327	ug/L	99
19) 1,1-Dichloroethane	3.45	63	853131	183.247	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	516446	181.242	ug/L	99
22) 2-Butanone	4.26	43	790246	360.911	ug/L	99
23) Bromochloromethane	4.55	128	271869	190.356	ug/L	99
25) Chloroform	4.68	83	898412	183.646	ug/L	96
27) 1,2-Dichloroethane	5.41	62	735992	181.162	ug/L	99
29) Cyclohexane	5.00	56	749486	186.421	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	819882	176.467	ug/L	100
31) Carbon tetrachloride	5.14	117	750807	183.949	ug/L	100
33) Benzene	5.39	78	1849627	179.075	ug/L	100
34) Trichloroethene	6.19	95	497605	181.992	ug/L	99
35) Methylcyclohexane	6.42	83	799798	192.664	ug/L	98
37) 1,2-Dichloropropane	6.44	63	510354	179.117	ug/L	100
38) Bromodichloromethane	6.76	83	705915	183.491	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	854186	193.488	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1526959	369.513	ug/L	100

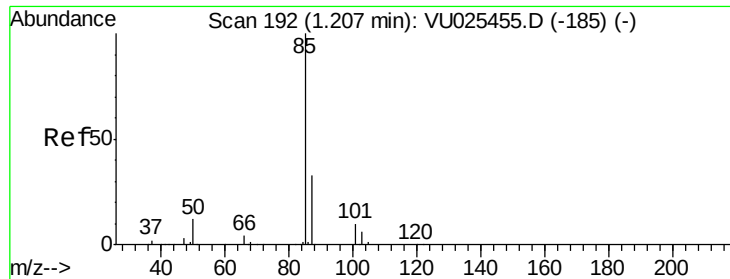
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2056425	186.724	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	821084	193.741	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	497183	184.043	ug/L	98
46) Tetrachloroethene	8.23	164	434192	190.358	ug/L	98
48) 2-Hexanone	8.36	43	1222361	370.238	ug/L	98
49) Dibromochloromethane	8.48	129	635661	194.377	ug/L	97
50) 1,2-Dibromoethane	8.59	107	553522	185.636	ug/L	98
51) Chlorobenzene	9.12	112	1400457	189.516	ug/L	99
52) Ethylbenzene	9.25	91	2369835	192.768	ug/L	99
53) m,p-Xylene	9.38	106	918779	194.987	ug/L	98
54) o-xylene	9.78	106	921556	193.863	ug/L	97
55) Styrene	9.80	104	1591083	202.654	ug/L	99
56) Isopropylbenzene	10.17	105	2434077	197.725	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	882797	189.808	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	706053	186.341	ug/L	99
61) Bromoform	9.96	173	514790	185.027	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1215322	185.911	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	1228217	185.919	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1244952	180.357	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	223427	172.959	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	957998	190.658	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	867713	193.664	ug/L	100
69) Naphthalene	13.75	128	2847494	183.675	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	892441	184.684	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 185.391 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

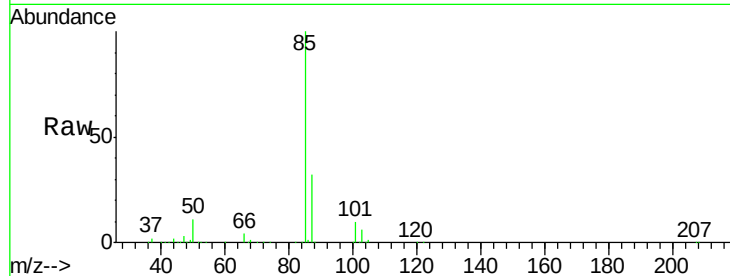
VSTD20045

Tgt Ion: 85 Resp: 553687

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

500000

400000

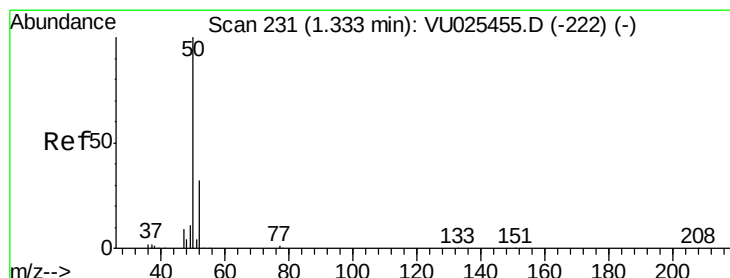
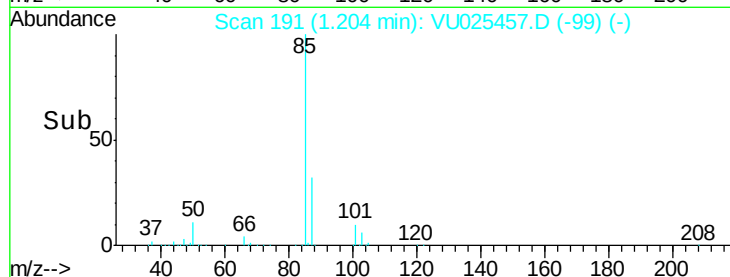
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 189.819 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025457.D

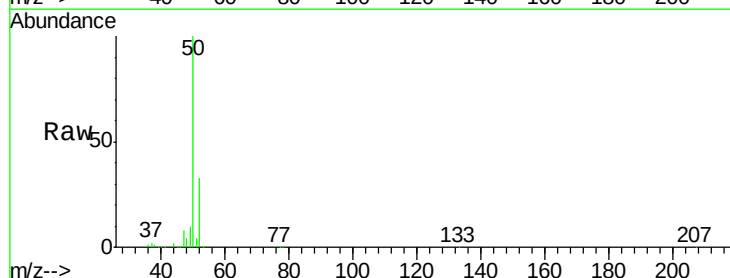
Acq: 17 Jul 2018 13:07

Tgt Ion: 50 Resp: 501685

Ion Ratio Lower Upper

50 100

52 32.7 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

500000

400000

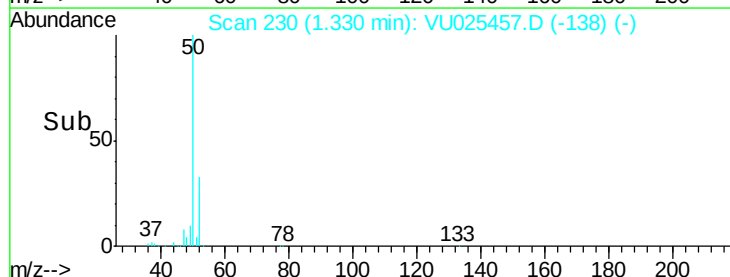
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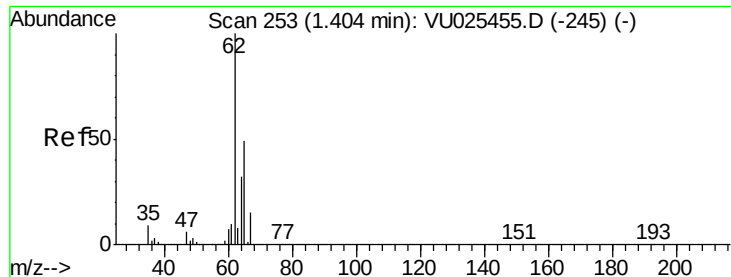
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 188.610 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

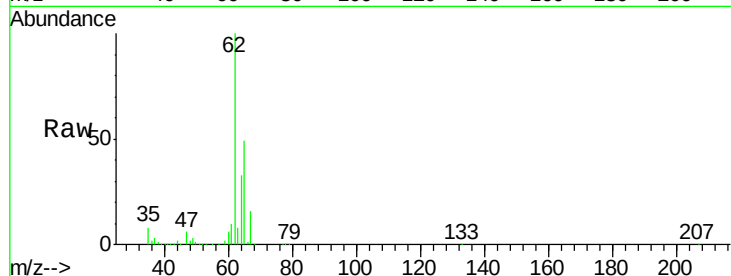
VSTD20045

Tgt Ion: 62 Resp: 501215

Ion Ratio Lower Upper

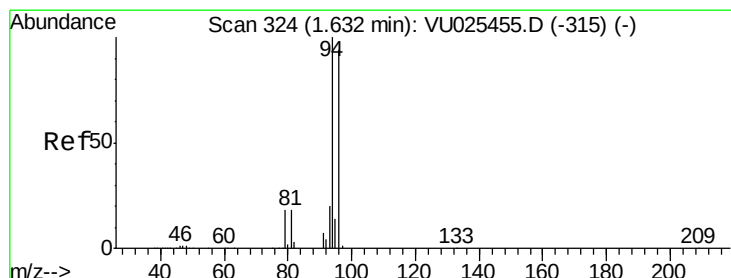
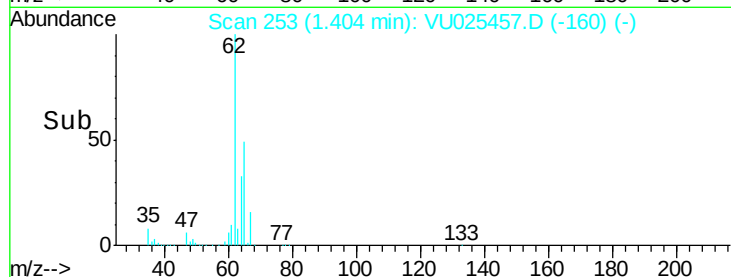
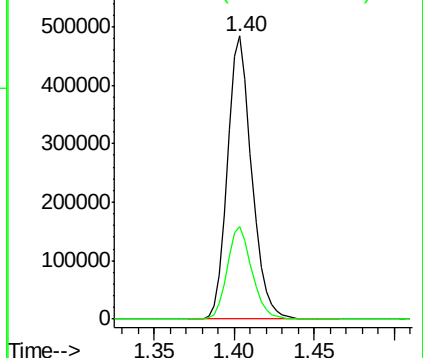
62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 178.668 ug/L

RT: 1.61 min Scan# 316

Delta R.T. -0.03 min

Lab File: VU025457.D

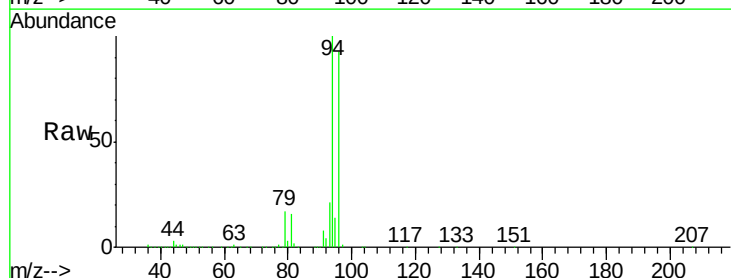
Acq: 17 Jul 2018 13:07

Tgt Ion: 94 Resp: 258775

Ion Ratio Lower Upper

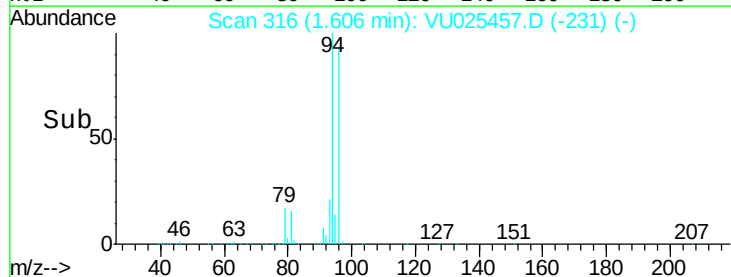
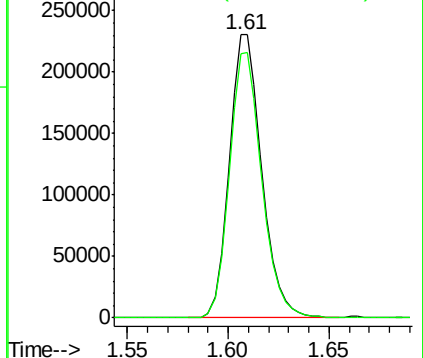
94 100

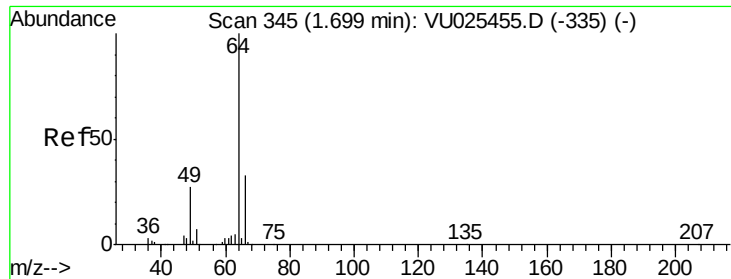
96 93.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 185.091 ug/L

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

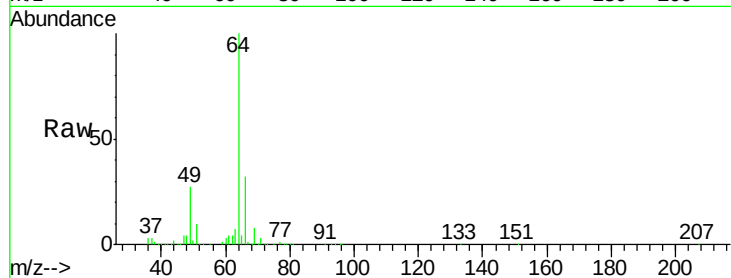
VSTD20045

Tgt Ion: 64 Resp: 294348

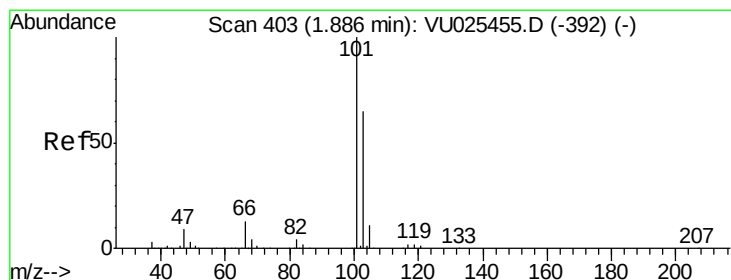
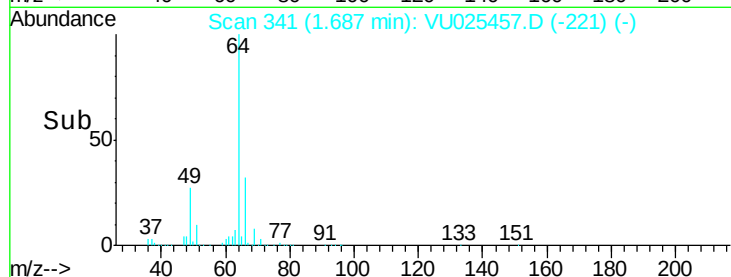
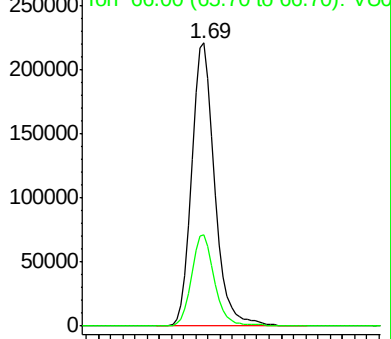
Ion Ratio Lower Upper

64 100

66 32.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU025457.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 182.071 ug/L

RT: 1.88 min Scan# 401

Delta R.T. -0.01 min

Lab File: VU025457.D

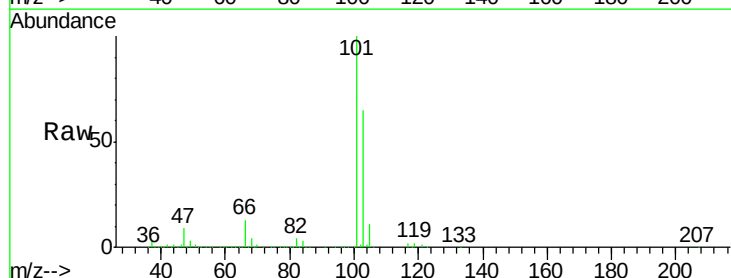
Acq: 17 Jul 2018 13:07

Tgt Ion: 101 Resp: 711299

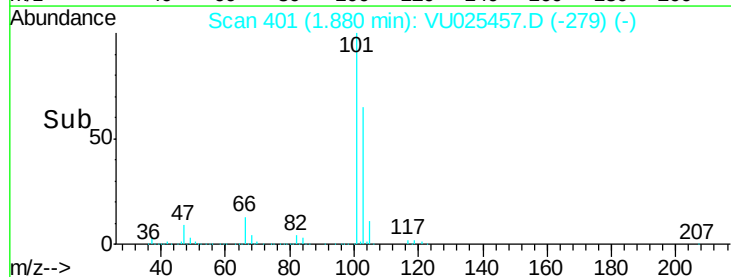
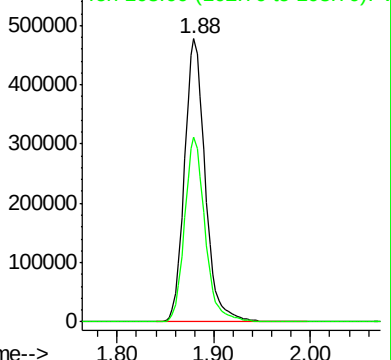
Ion Ratio Lower Upper

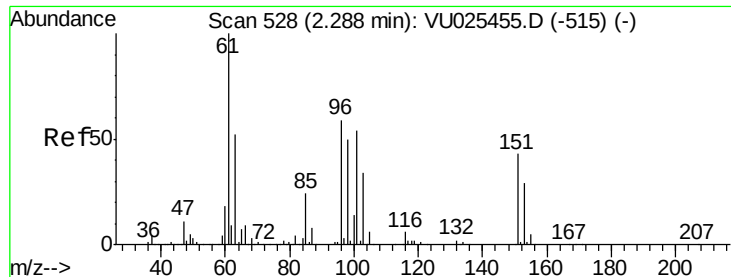
101 100

103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025457.D (-279) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 195.811 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

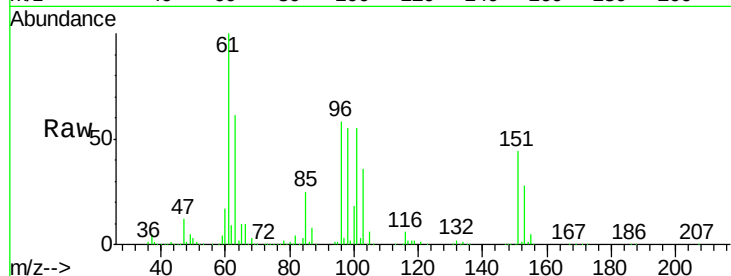
Tgt Ion:101 Resp: 415338

Ion Ratio Lower Upper

101 100

85 44.1 35.4 53.2

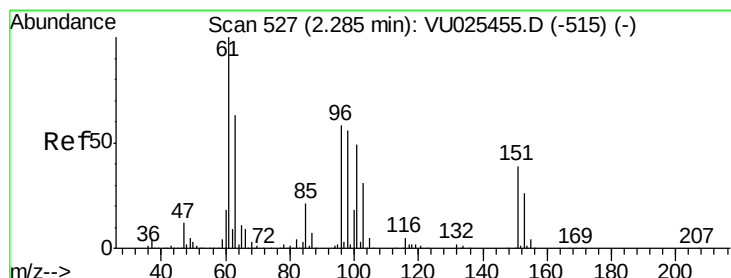
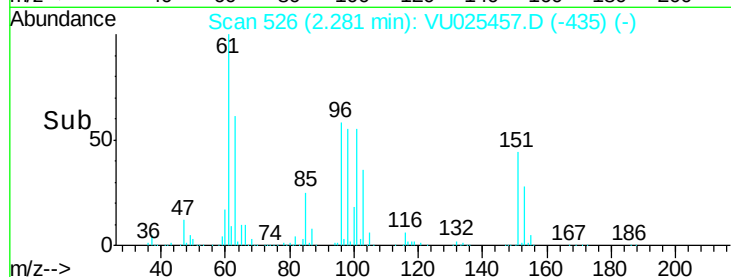
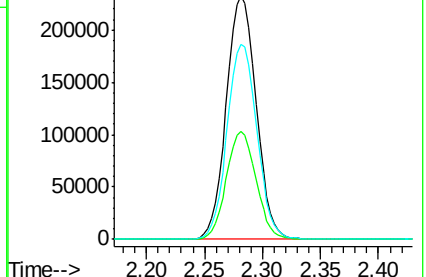
151 80.4 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VU025455.D (-515) (-)

Ion 85.00 (84.70 to 85.70): VU025455.D (-515) (-)

Ion 151.00 (150.70 to 151.70): VU025455.D (-515) (-)



#12

1,1-Dichloroethene

Concen: 193.970 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

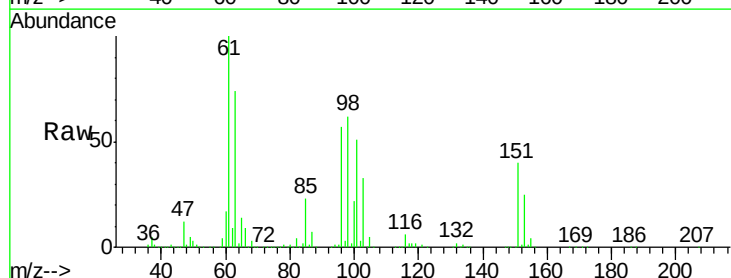
Tgt Ion: 96 Resp: 381656

Ion Ratio Lower Upper

96 100

61 176.0 120.6 224.0

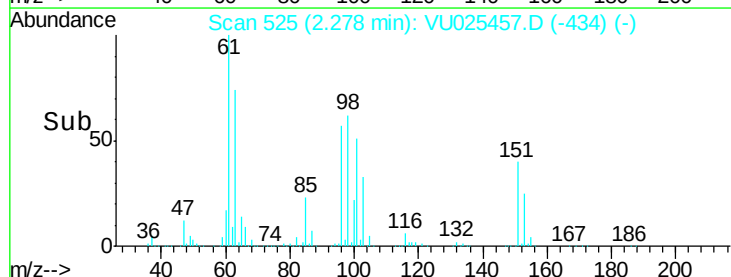
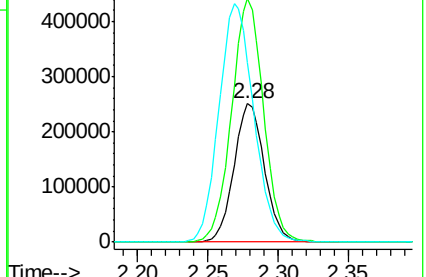
63 129.5 79.3 147.3

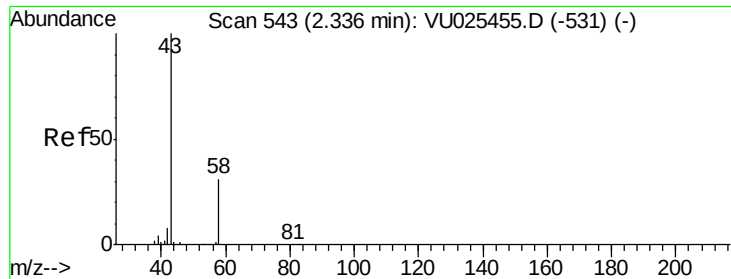


Abundance Ion 96.00 (95.70 to 96.70): VU025455.D (-515) (-)

Ion 61.00 (60.70 to 61.70): VU025455.D (-515) (-)

Ion 63.00 (62.70 to 63.70): VU025455.D (-515) (-)





#13

Acetone

Concen: 324.436 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

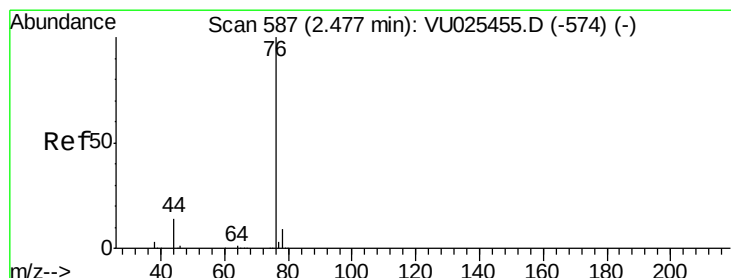
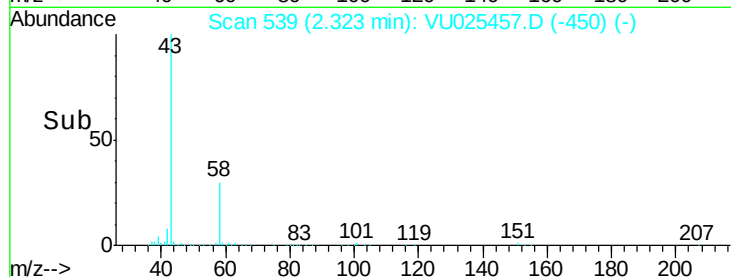
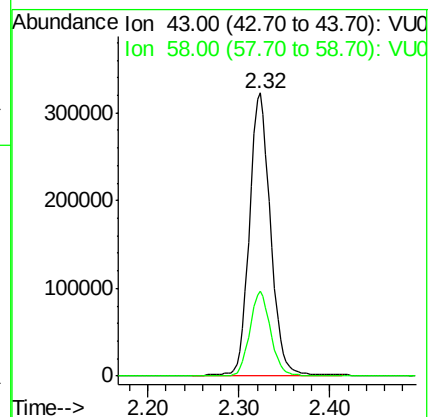
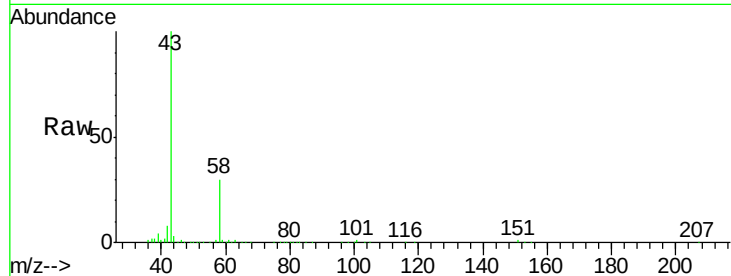
VSTD20045

Tgt Ion: 43 Resp: 520383

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.0



#14

Carbon disulfide

Concen: 188.687 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025457.D

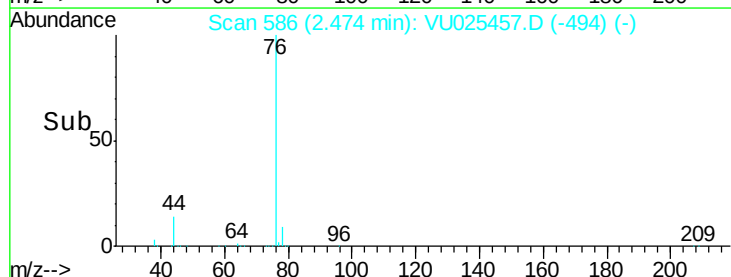
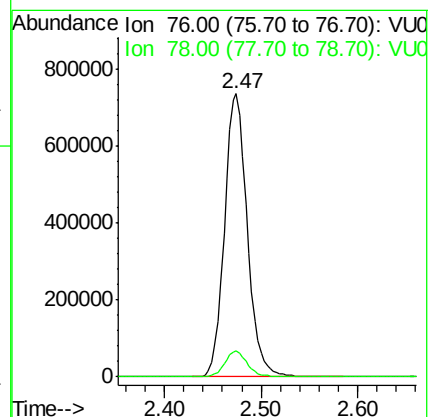
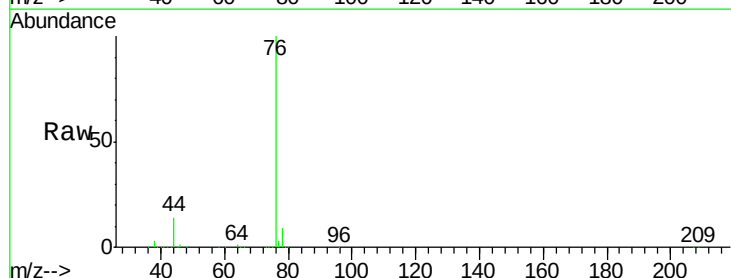
Acq: 17 Jul 2018 13:07

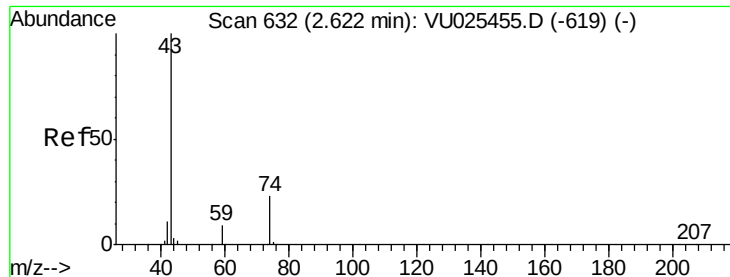
Tgt Ion: 76 Resp: 1199662

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 180.283 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

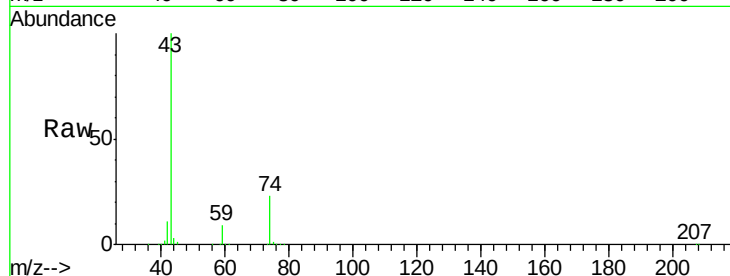
VSTD20045

Tgt Ion: 43 Resp: 530002

Ion Ratio Lower Upper

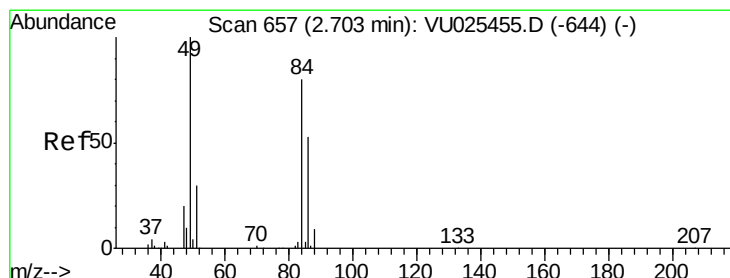
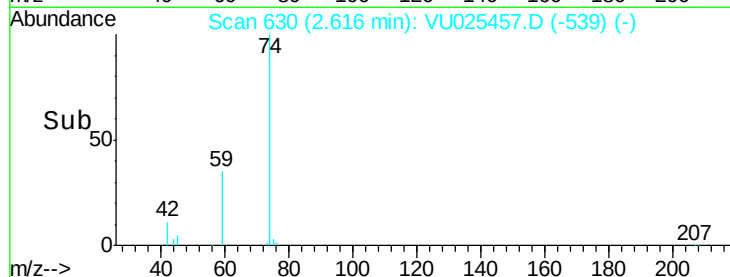
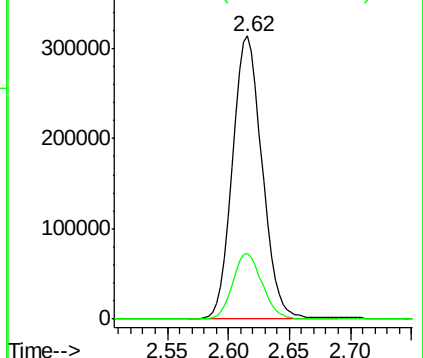
43 100

74 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 184.027 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

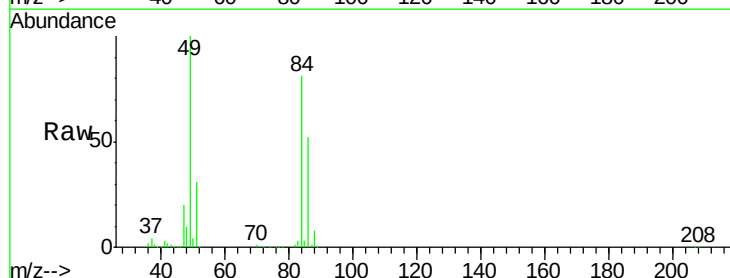
Tgt Ion: 84 Resp: 473528

Ion Ratio Lower Upper

84 100

86 64.9 46.3 85.9

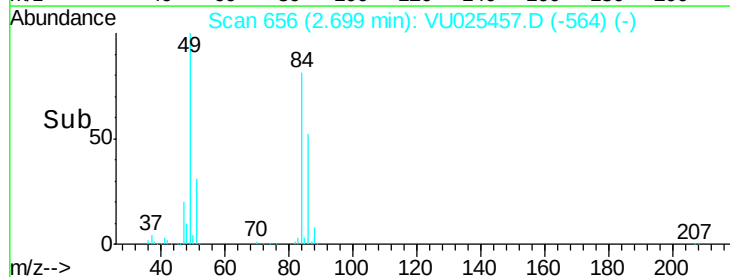
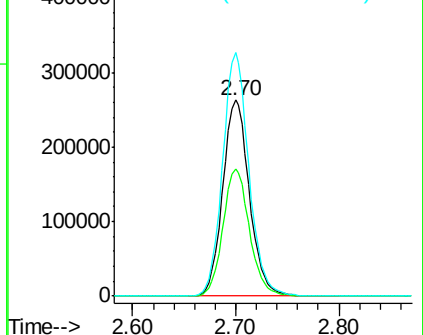
49 124.1 87.9 163.3

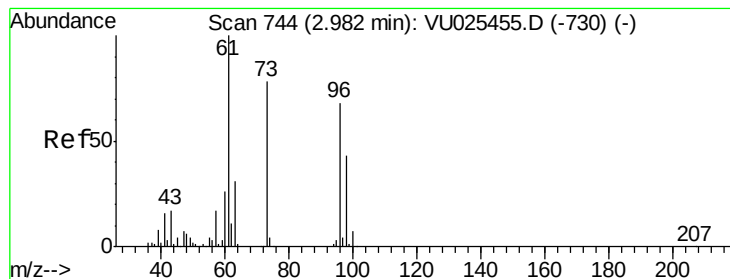


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 186.227 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

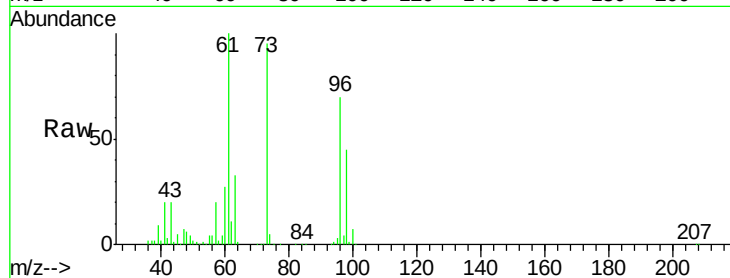
Tgt Ion: 96 Resp: 433414

Ion Ratio Lower Upper

96 100

61 142.6 103.6 192.4

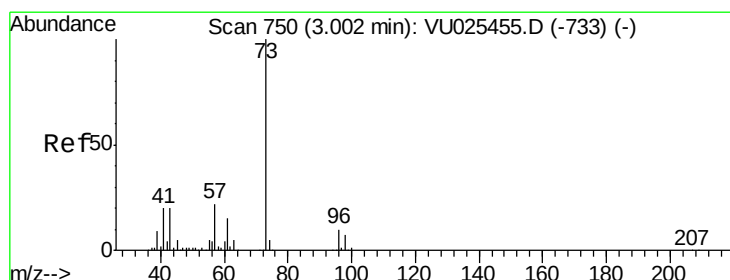
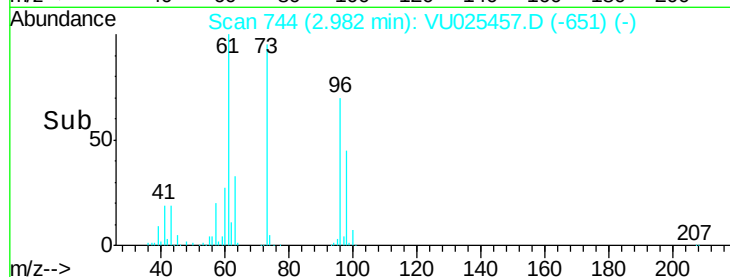
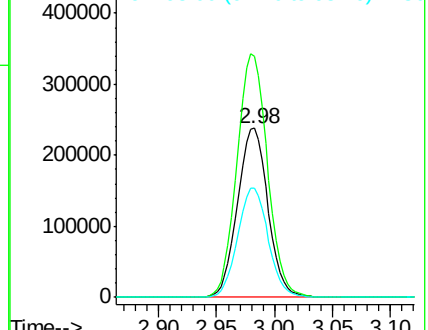
98 64.5 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 186.327 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

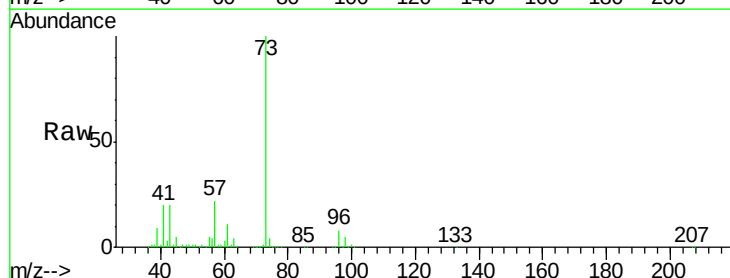
Tgt Ion: 73 Resp: 1536519

Ion Ratio Lower Upper

73 100

43 20.5 16.6 24.8

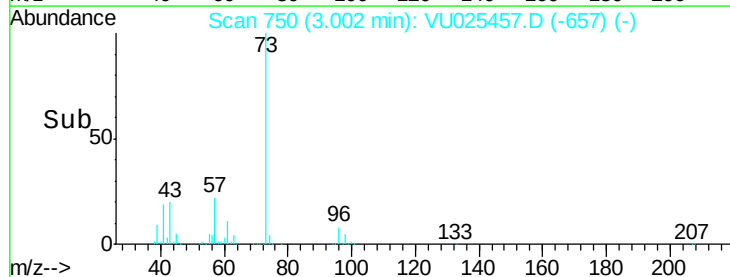
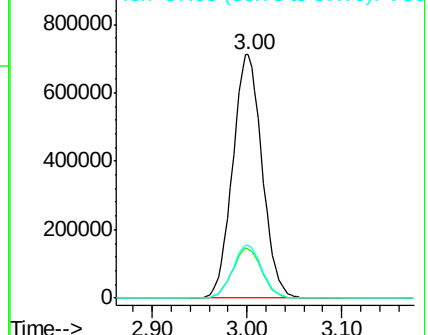
57 21.6 17.0 25.6

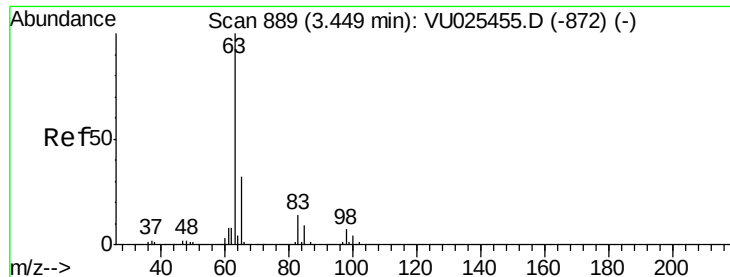


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

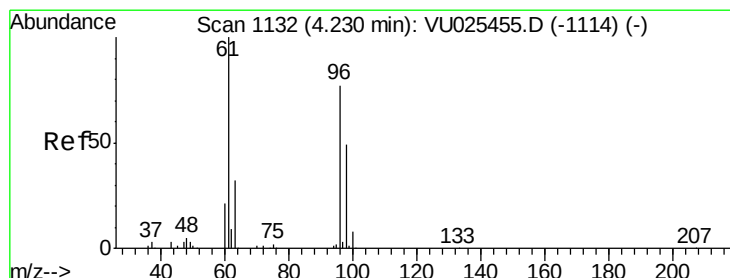
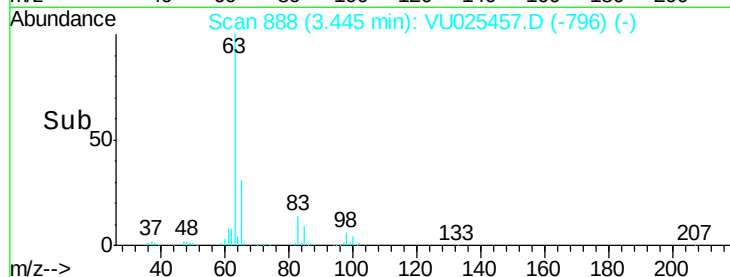
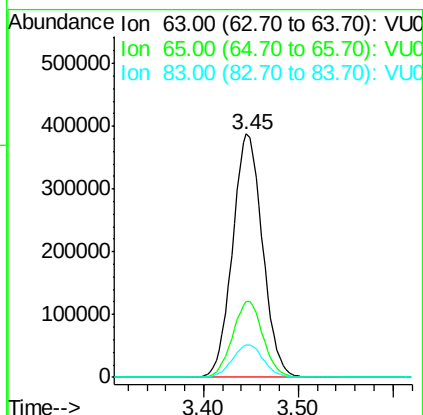
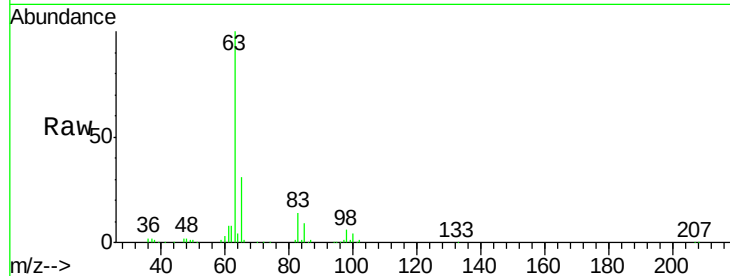




#19
 1,1-Dichloroethane
 Concen: 183.247 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

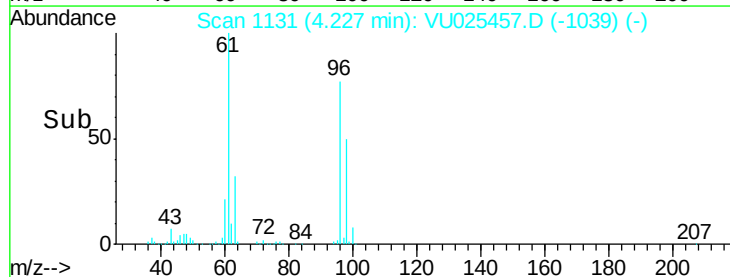
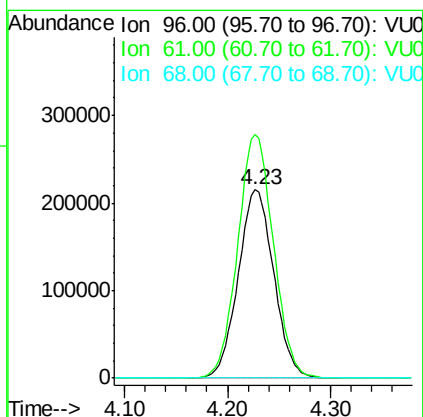
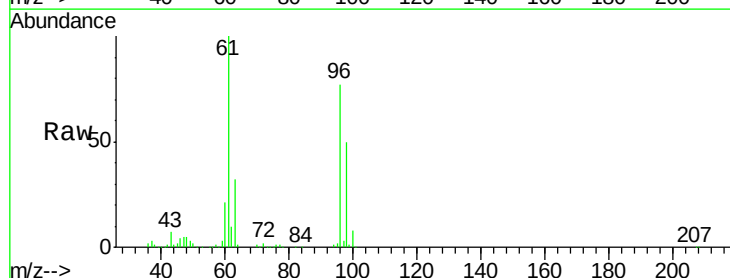
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

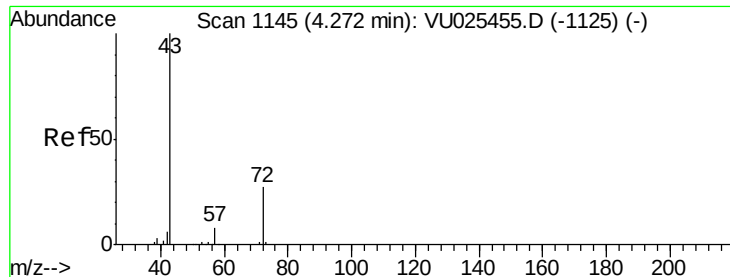
Tgt Ion: 63 Resp: 853131
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.7 42.1
 83 13.5 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 181.242 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Tgt Ion: 96 Resp: 516446
 Ion Ratio Lower Upper
 96 100
 61 129.4 91.7 170.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 360.911 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

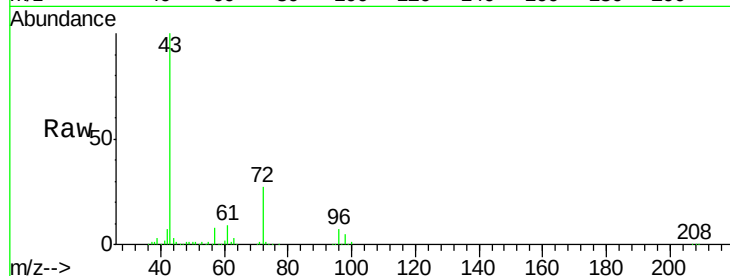
VSTD20045

Tgt Ion: 43 Resp: 790246

Ion Ratio Lower Upper

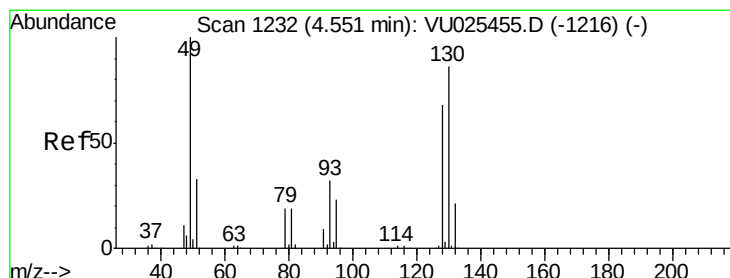
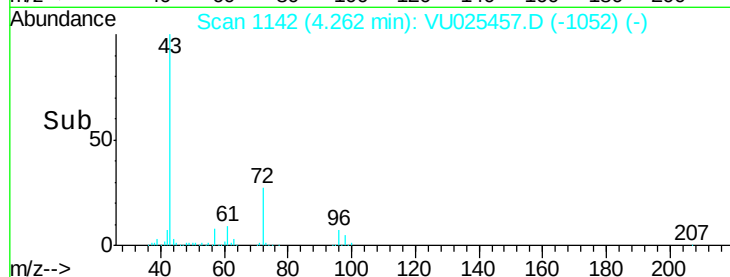
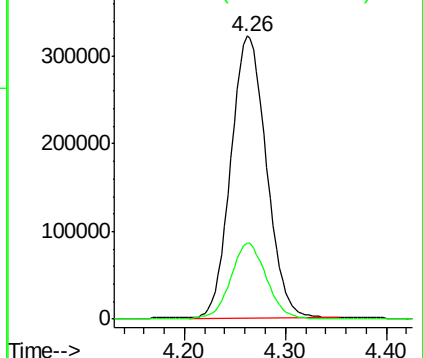
43 100

72 27.2 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 190.356 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Tgt Ion: 128 Resp: 271869

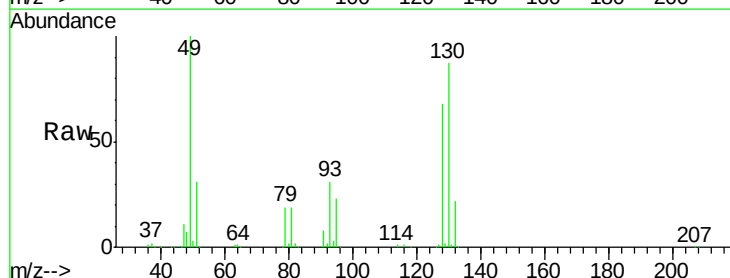
Ion Ratio Lower Upper

128 100

49 146.2 103.0 191.2

130 127.7 88.5 164.3

51 46.0 38.7 58.1

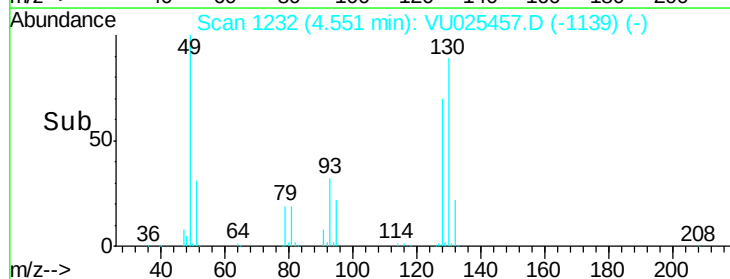
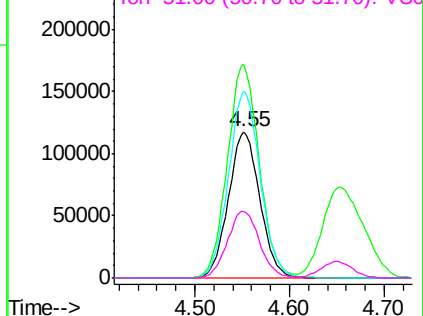


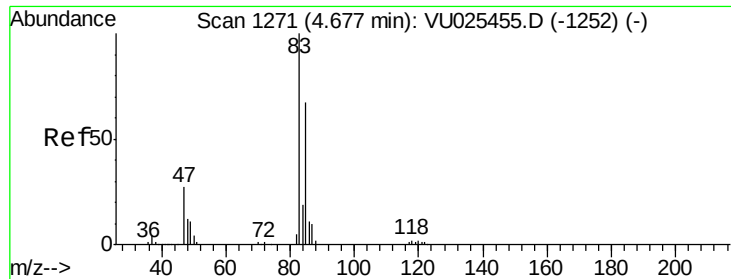
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

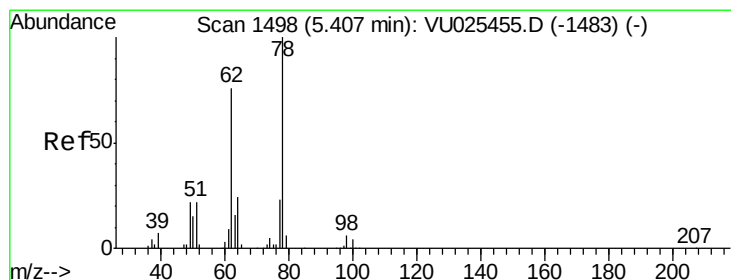
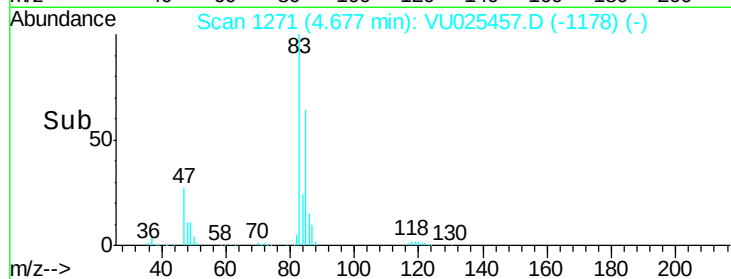
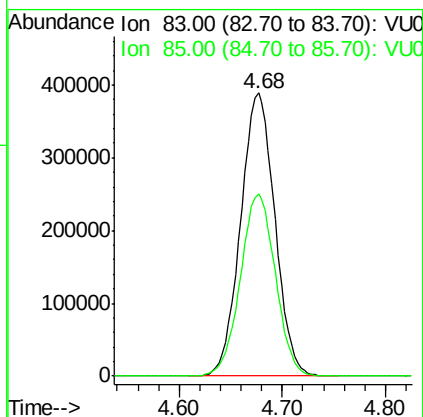
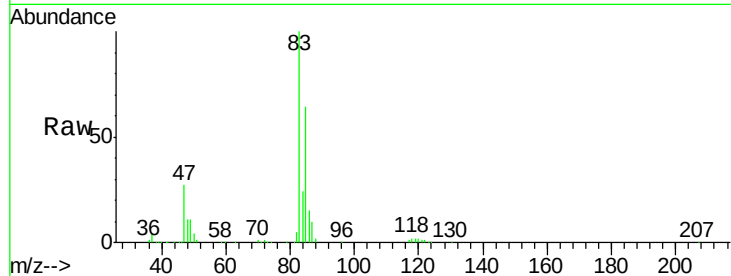




#25
Chloroform
Concen: 183.646 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

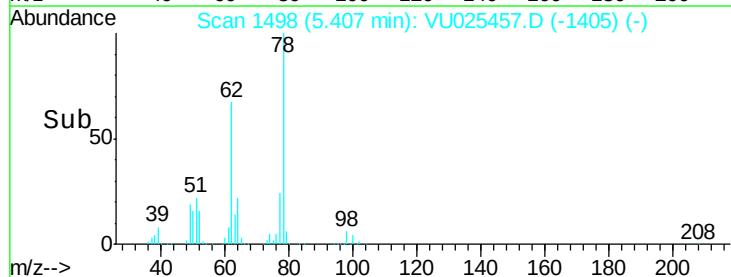
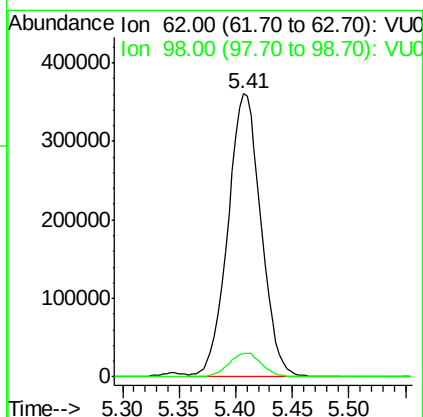
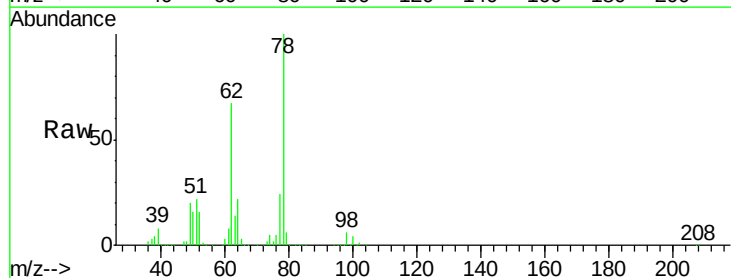
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

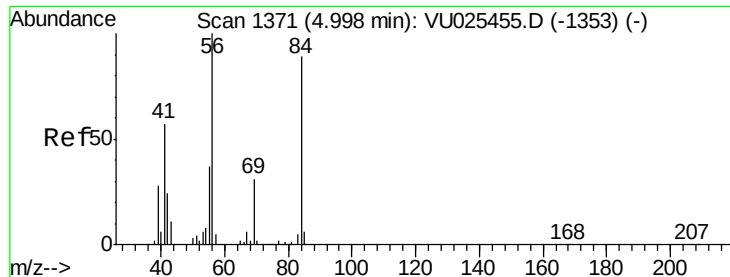
Tgt Ion: 83 Resp: 898412
Ion Ratio Lower Upper
83 100
85 64.2 47.2 87.6



#27
1,2-Dichloroethane
Concen: 181.162 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion: 62 Resp: 735992
Ion Ratio Lower Upper
62 100
98 8.3 6.5 9.7

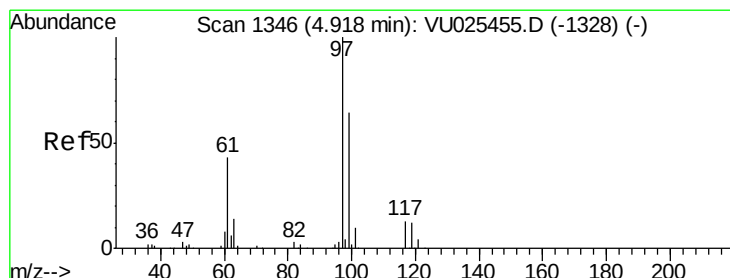
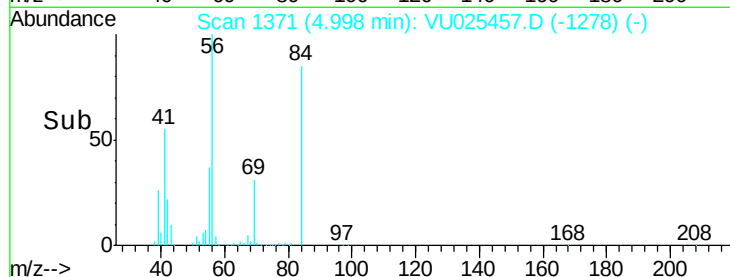
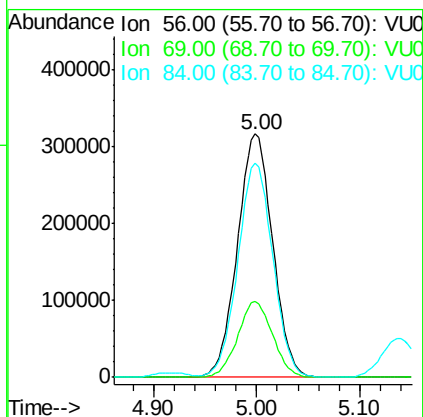
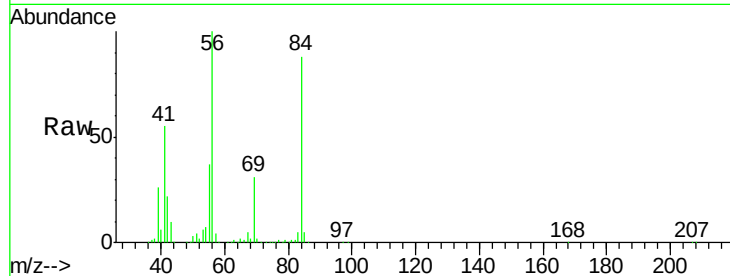




#29
Cyclohexane
Concen: 186.421 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

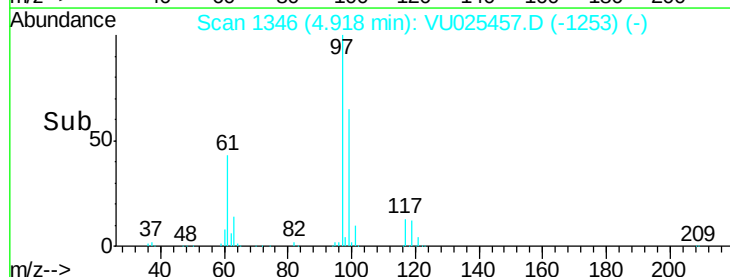
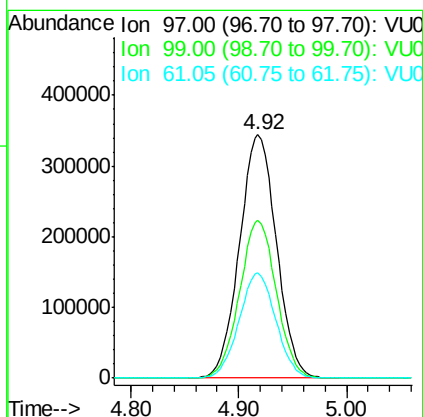
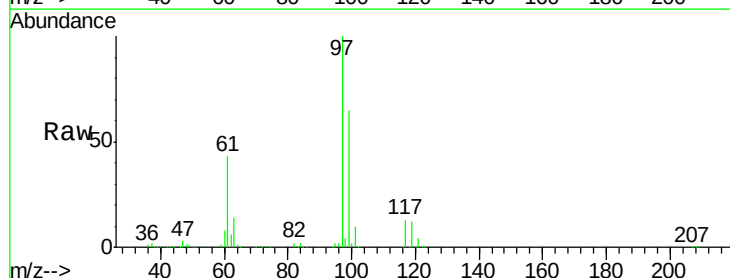
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

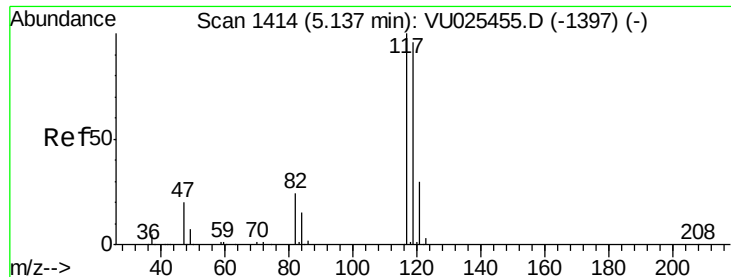
Tgt Ion: 56 Resp: 749486
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.4
84 87.8 70.3 105.5



#30
1,1,1-Trichloroethane
Concen: 176.467 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion: 97 Resp: 819882
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 42.9 34.1 51.1

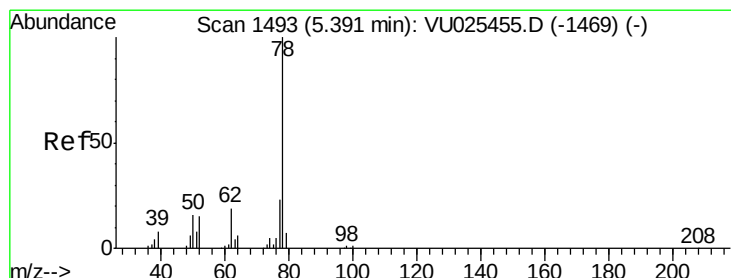
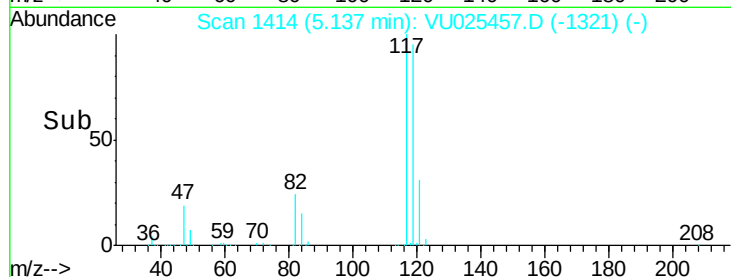
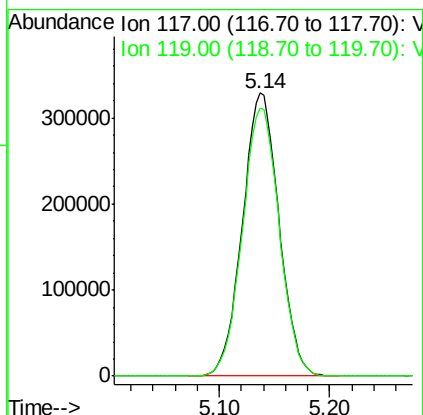
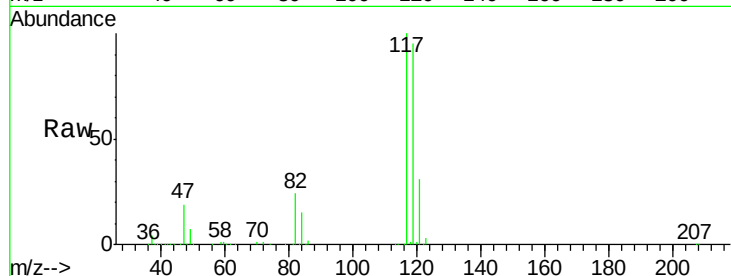




#31
Carbon tetrachloride
Concen: 183.949 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

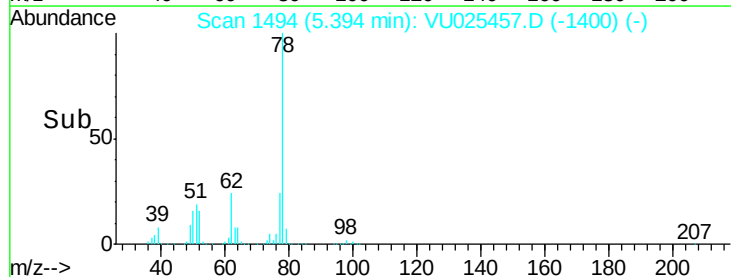
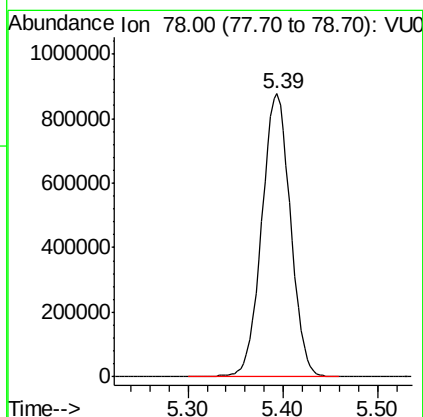
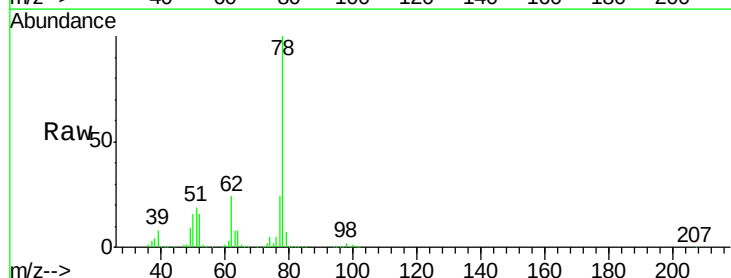
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

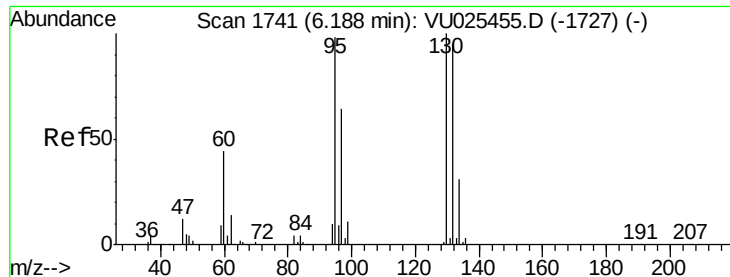
Tgt Ion:117 Resp: 750807
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7



#33
Benzene
Concen: 179.075 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion: 78 Resp: 1849627





#34

Trichloroethene

Concen: 181.992 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

Tgt Ion: 95 Resp: 497605

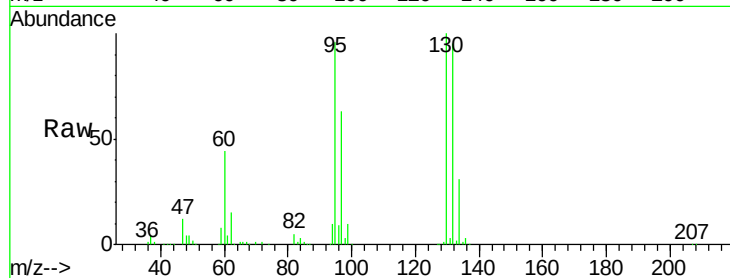
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 98.9 68.2 126.6

130 104.0 71.8 133.4

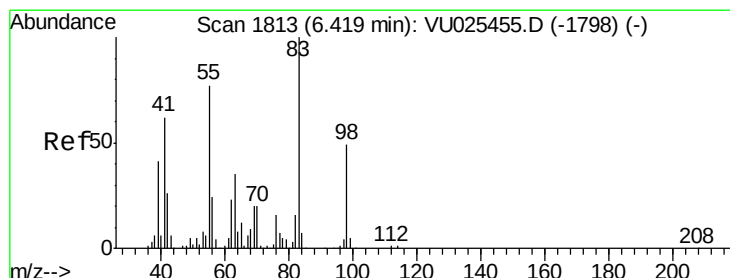
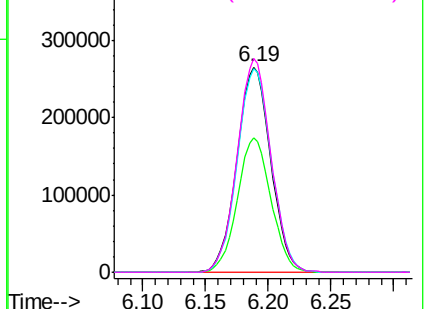
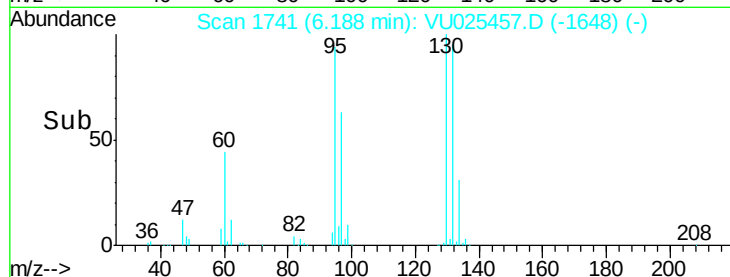


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 192.664 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

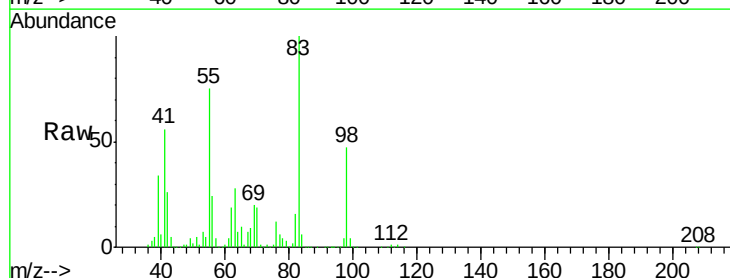
Tgt Ion: 83 Resp: 799798

Ion Ratio Lower Upper

83 100

55 76.3 61.8 92.8

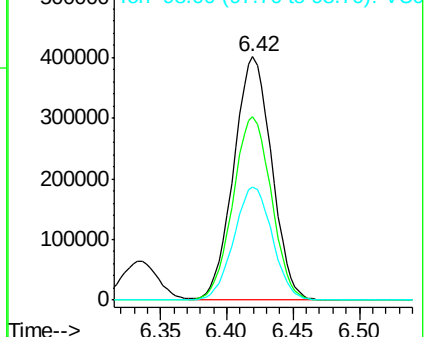
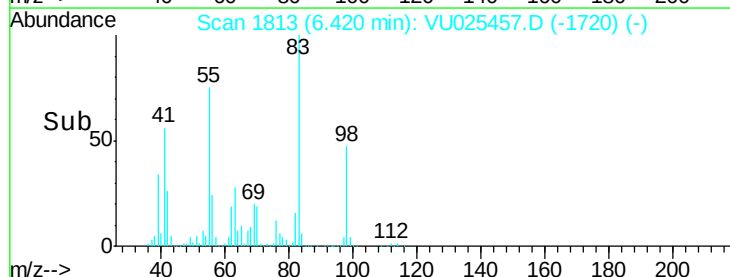
98 47.0 38.7 58.1

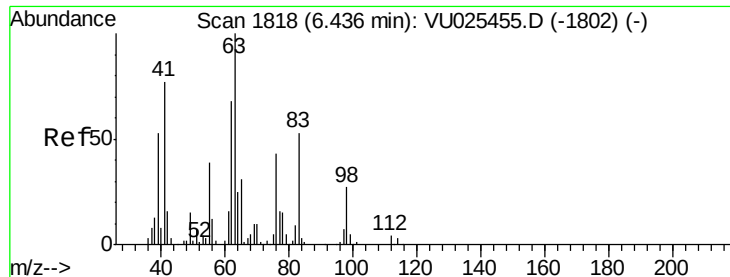


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 179.117 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

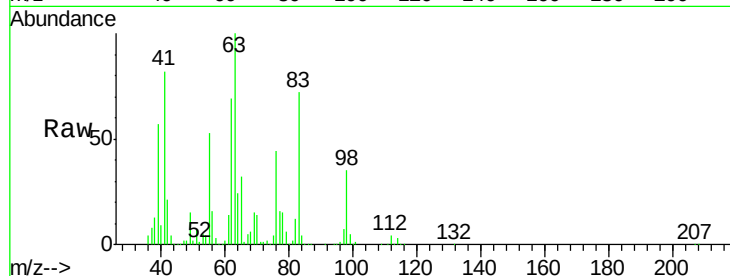
VSTD20045

Tgt Ion: 63 Resp: 510354

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.44

300000

250000

200000

150000

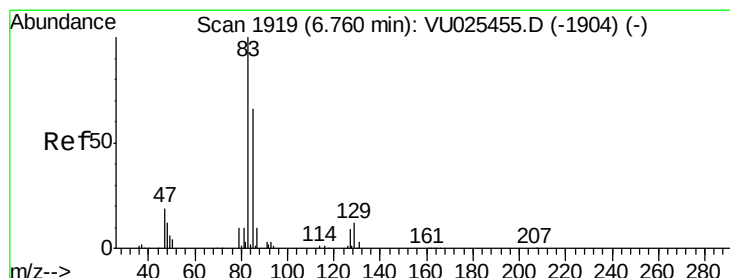
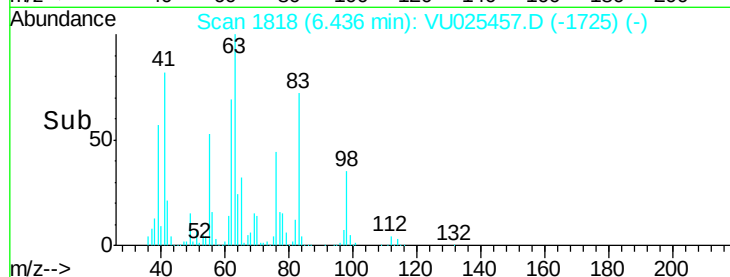
100000

50000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 183.491 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

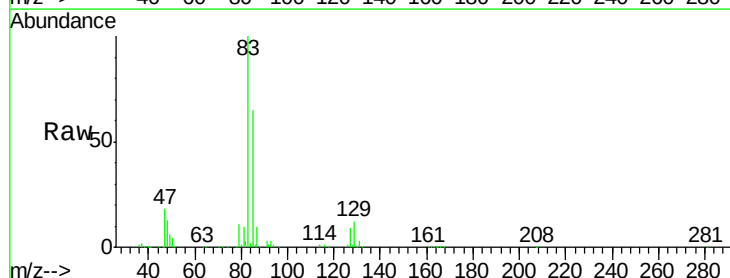
Tgt Ion: 83 Resp: 705915

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

6.76

500000

400000

300000

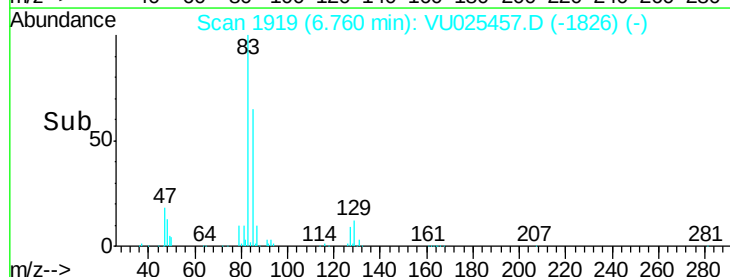
200000

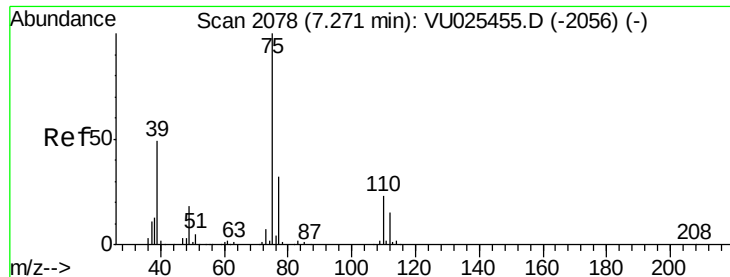
100000

0

6.70 6.80 6.90

Time-->

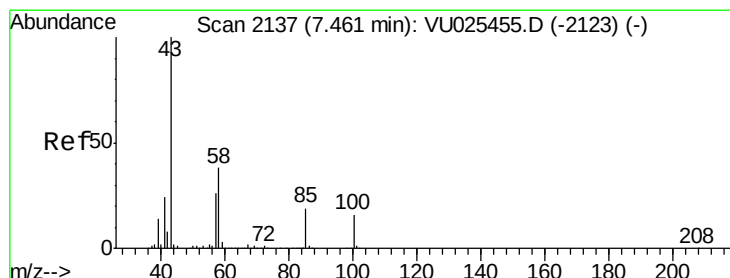
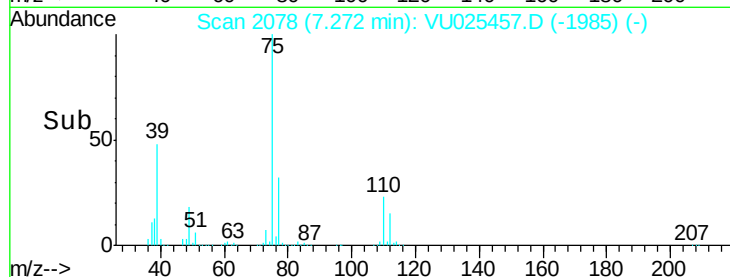
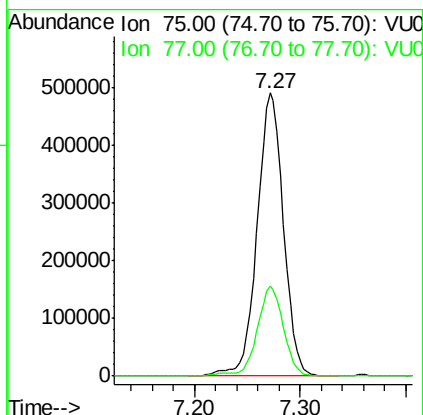
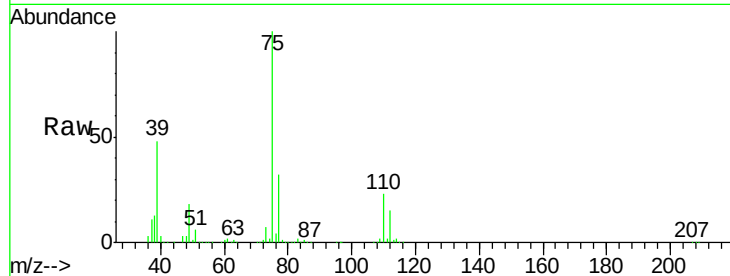




#39
 cis-1,3-Dichloropropene
 Concen: 193.488 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

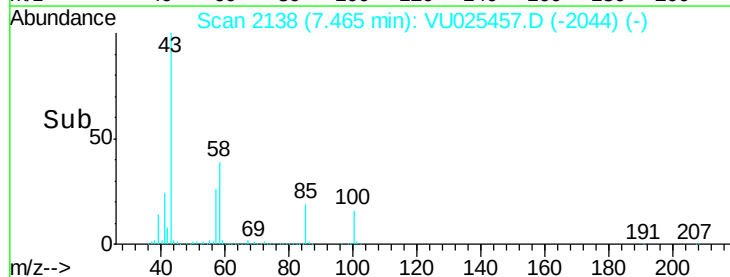
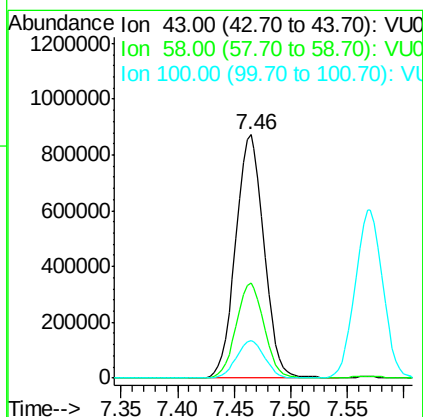
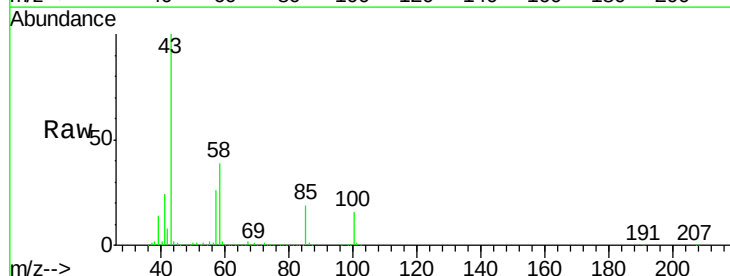
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20045

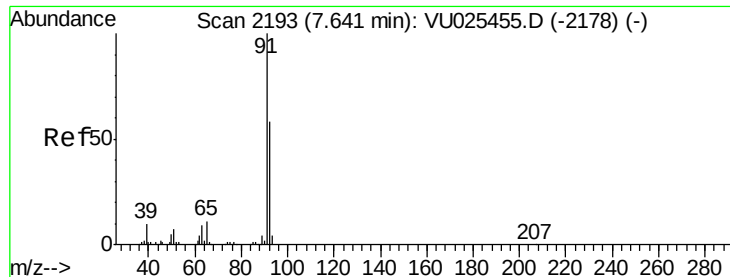
Tgt Ion: 75 Resp: 854186
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 369.513 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Tgt Ion: 43 Resp: 1526959
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 15.5 12.4 18.6





#42

Toluene

Concen: 186.724 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

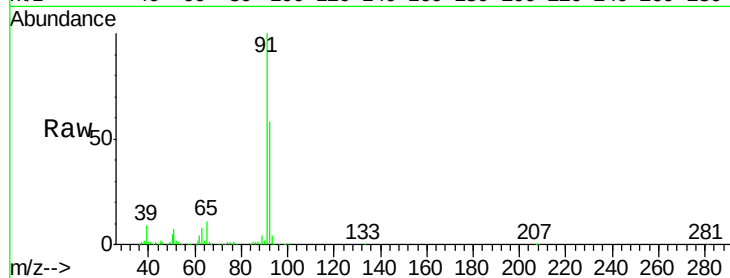
VSTD20045

Tgt Ion: 91 Resp: 2056425

Ion Ratio Lower Upper

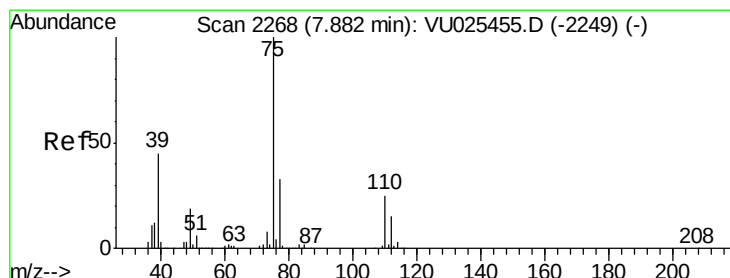
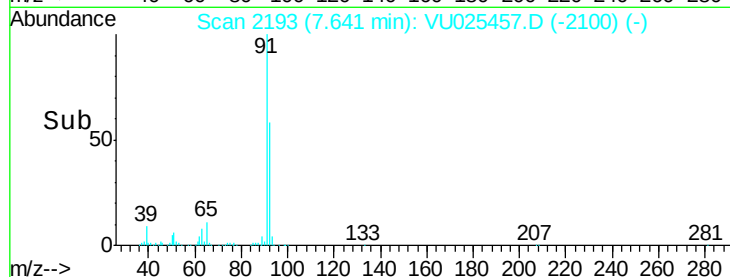
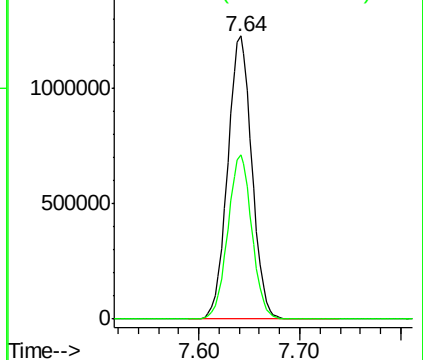
91 100

92 57.9 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 193.741 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025457.D

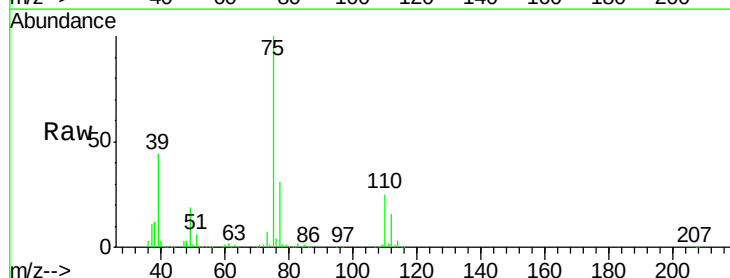
Acq: 17 Jul 2018 13:07

Tgt Ion: 75 Resp: 821084

Ion Ratio Lower Upper

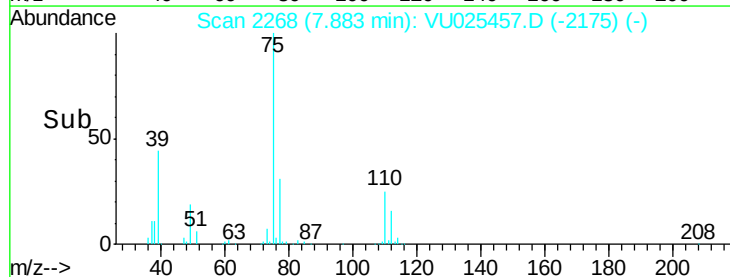
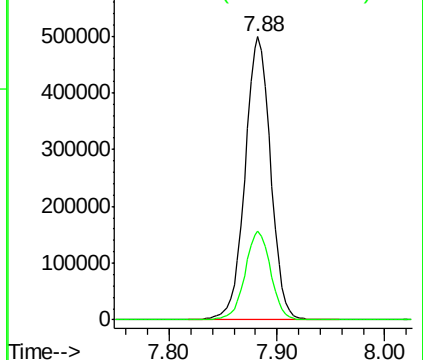
75 100

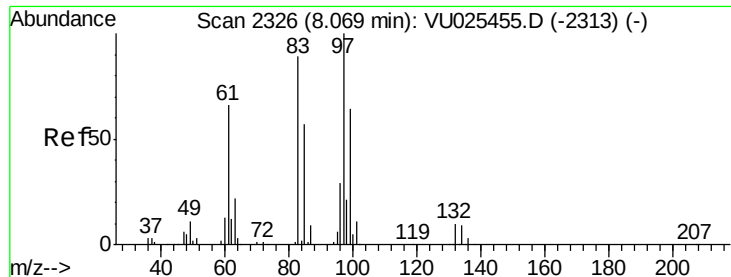
77 31.3 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

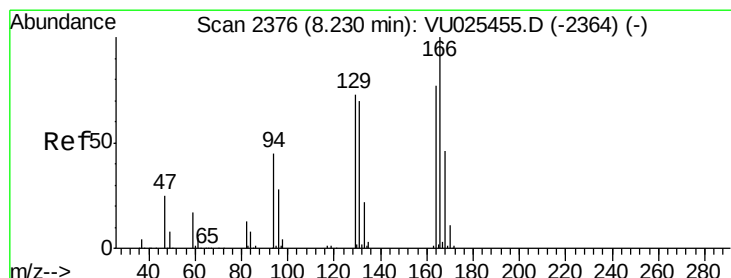
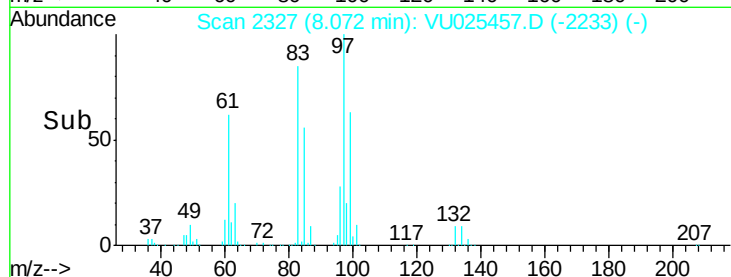
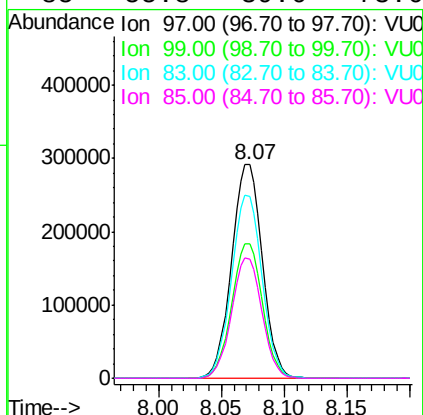
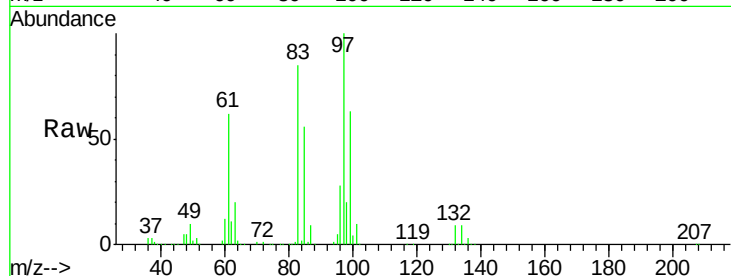




#45
 1,1,2-Trichloroethane
 Concen: 184.043 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

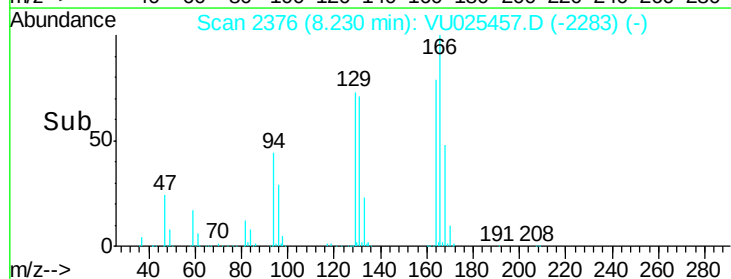
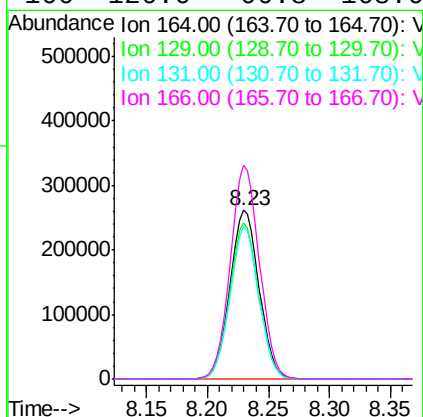
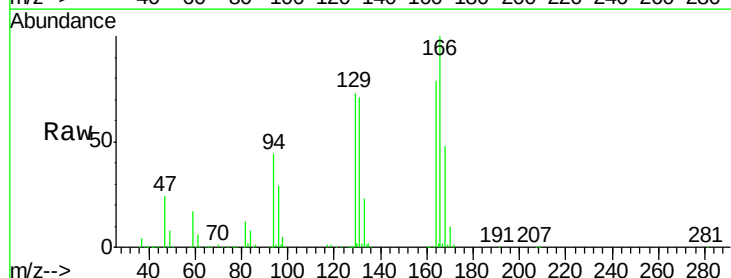
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

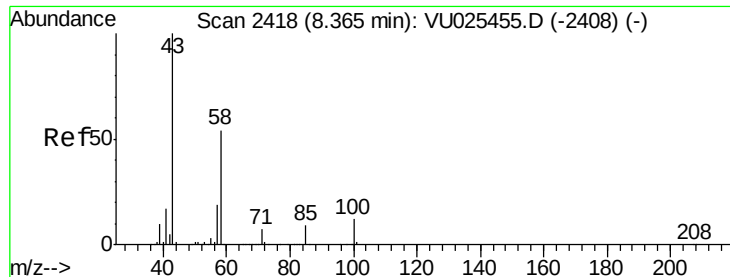
Tgt Ion:	97	Resp:	497183
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.7	83.1
83	84.9	62.0	115.2
85	55.8	39.6	73.6



#46
 Tetrachloroethene
 Concen: 190.358 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Tgt Ion:	164	Resp:	434192
Ion	Ratio	Lower	Upper
164	100		
129	92.8	66.5	123.5
131	90.0	63.7	118.3
166	126.6	90.8	168.6

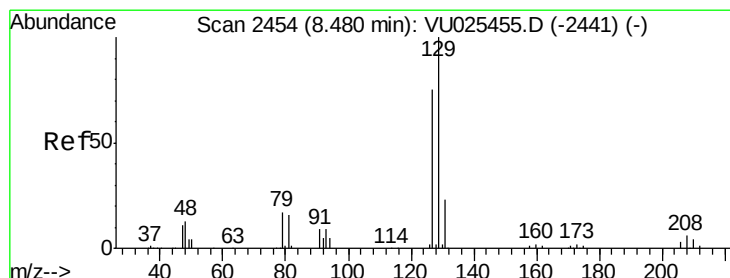
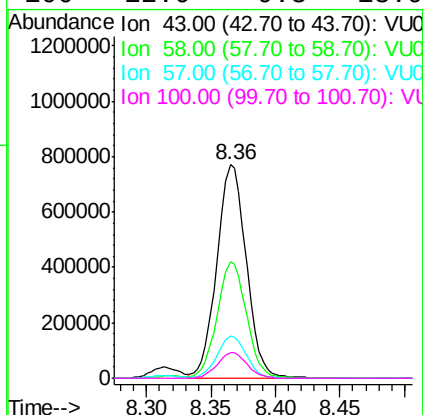
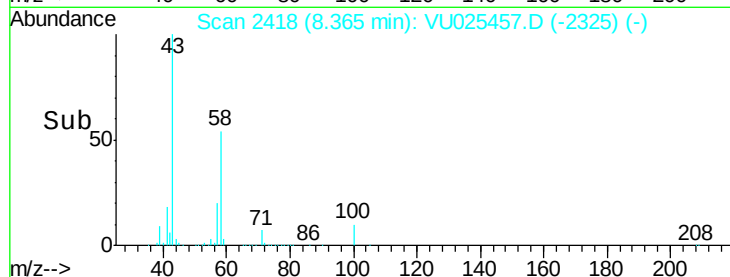
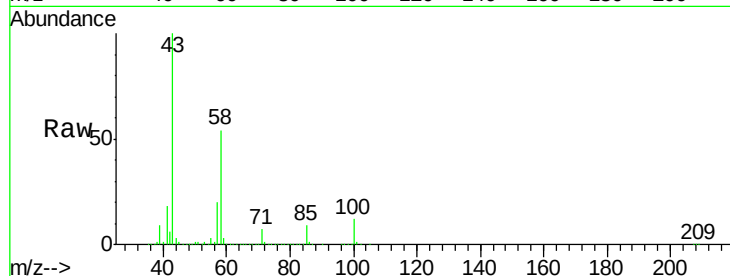




#48
2-Hexanone
Concen: 370.238 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

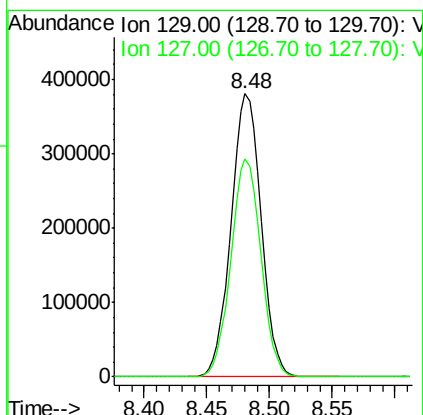
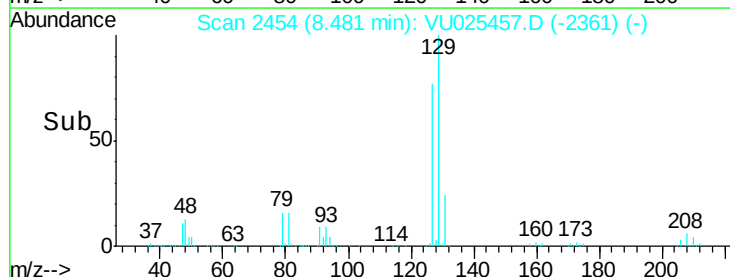
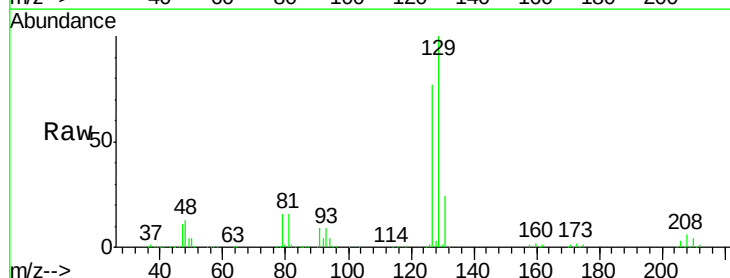
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

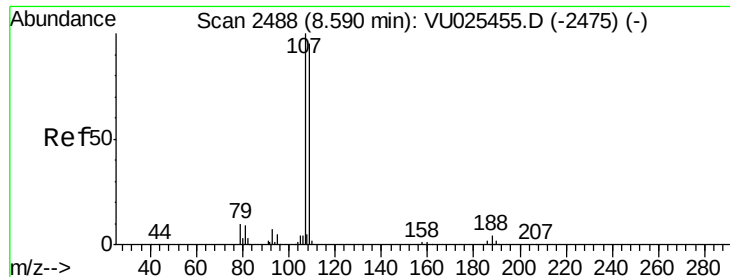
Tgt Ion: 43 Resp: 1222361
Ion Ratio Lower Upper
43 100
58 54.5 42.3 63.5
57 19.7 15.6 23.4
100 12.0 9.3 13.9



#49
Dibromochloromethane
Concen: 194.377 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion: 129 Resp: 635661
Ion Ratio Lower Upper
129 100
127 76.9 52.4 97.2

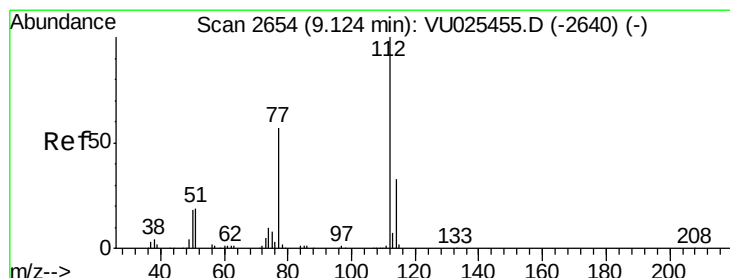
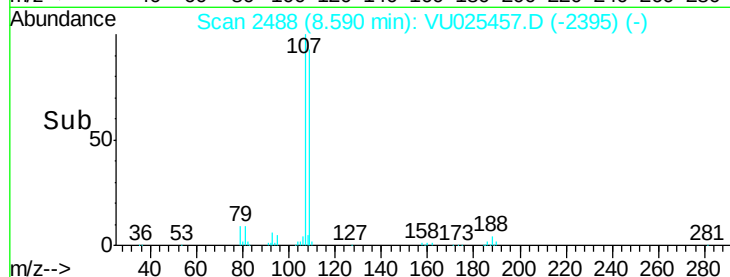
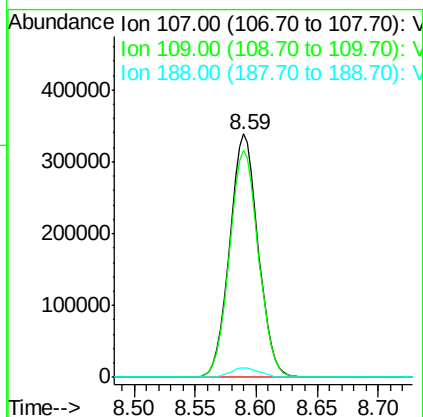
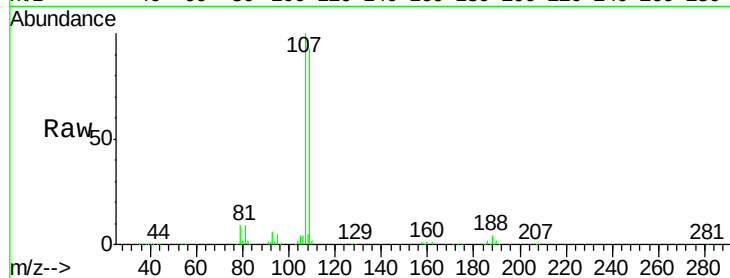




#50
1,2-Dibromoethane
Concen: 185.636 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

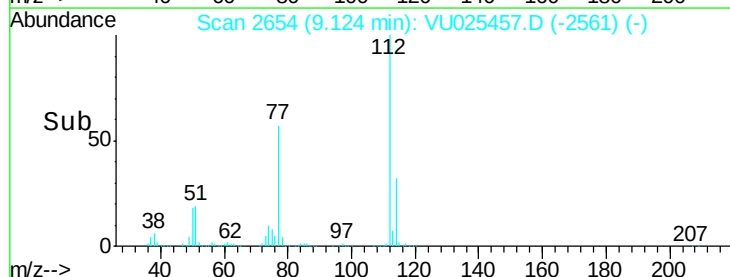
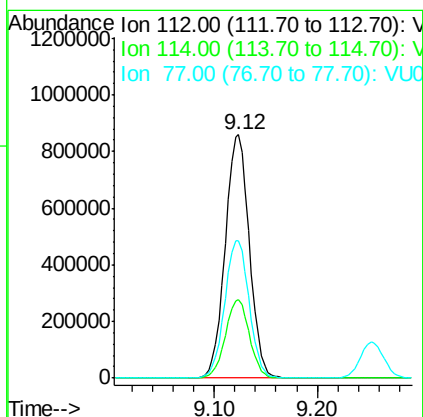
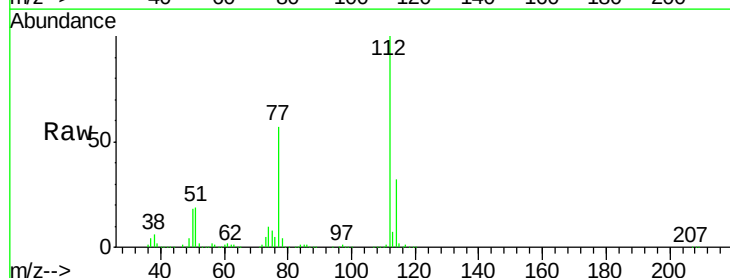
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

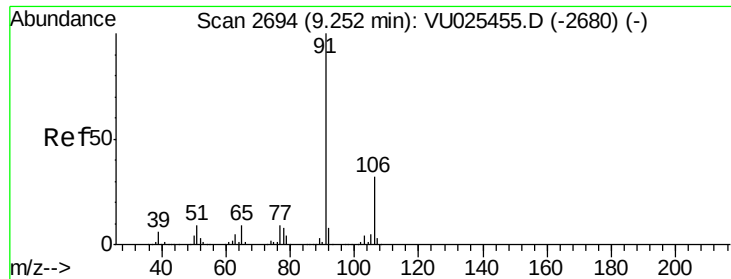
Tgt Ion:107 Resp: 553522
Ion Ratio Lower Upper
107 100
109 93.4 66.5 123.5
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 189.516 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion:112 Resp: 1400457
Ion Ratio Lower Upper
112 100
114 32.3 22.8 42.4
77 56.6 45.8 68.8





#52

Ethylbenzene

Concen: 192.768 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

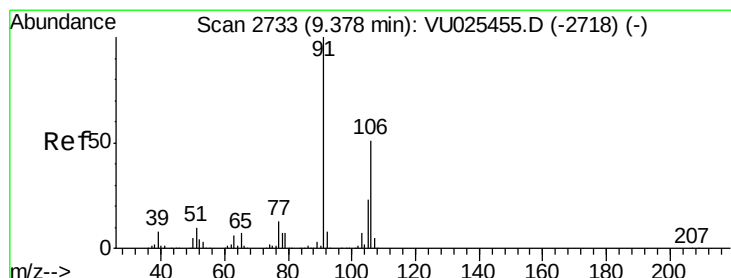
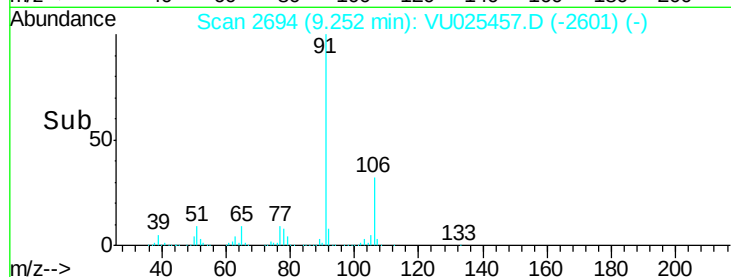
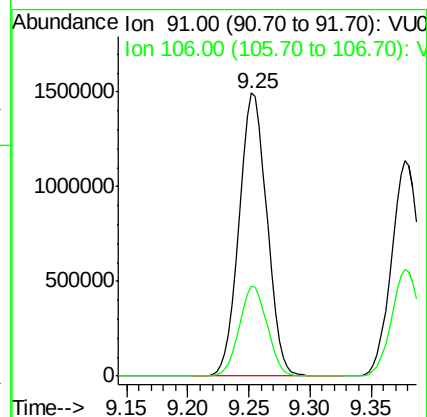
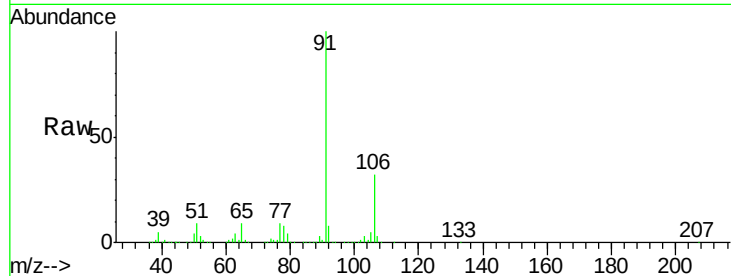
VSTD20045

Tgt Ion: 91 Resp: 2369835

Ion Ratio Lower Upper

91 100

106 31.6 22.4 41.6



#53

m,p-Xylene

Concen: 194.987 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025457.D

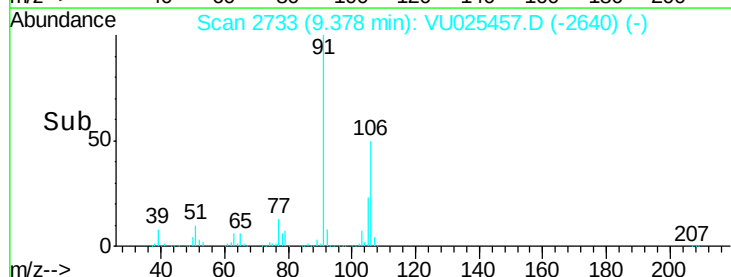
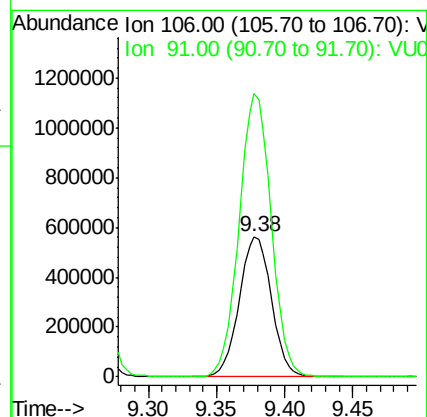
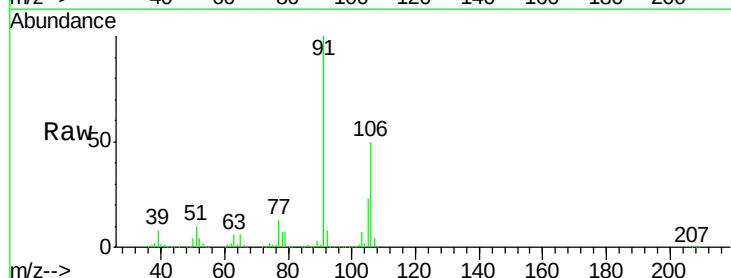
Acq: 17 Jul 2018 13:07

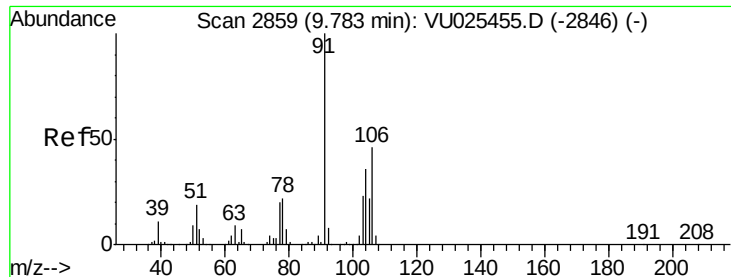
Tgt Ion: 106 Resp: 918779

Ion Ratio Lower Upper

106 100

91 201.7 138.6 257.4





#54

o-xylene

Concen: 193.863 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

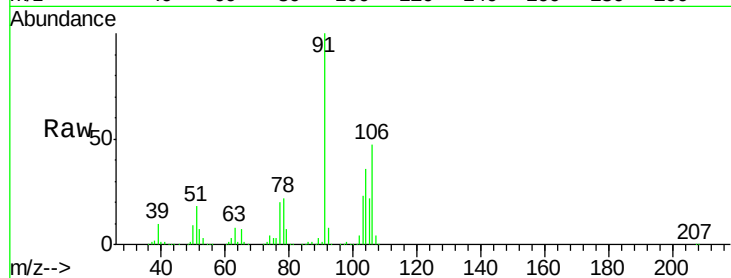
VSTD20045

Tgt Ion:106 Resp: 921556

Ion Ratio Lower Upper

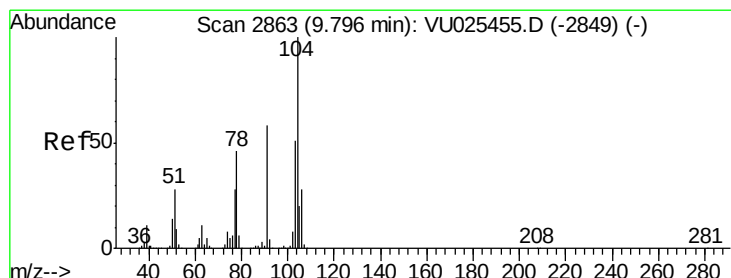
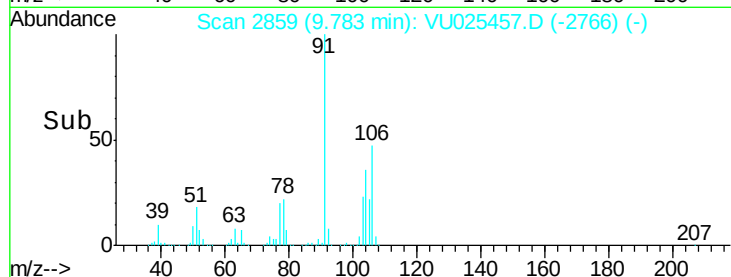
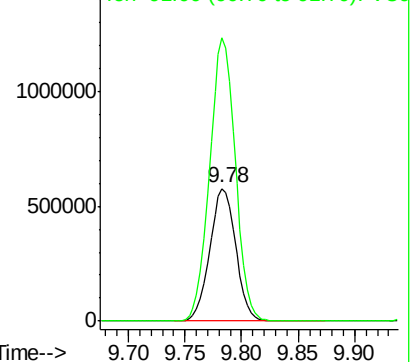
106 100

91 213.4 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 202.654 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025457.D

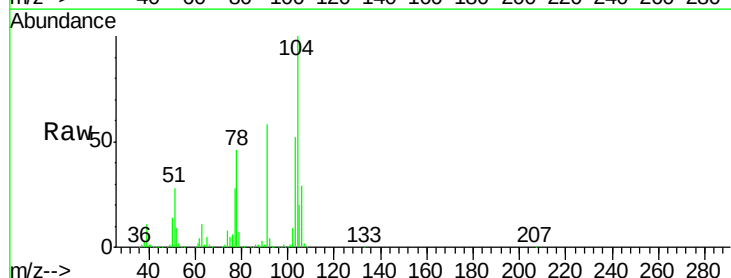
Acq: 17 Jul 2018 13:07

Tgt Ion:104 Resp: 1591083

Ion Ratio Lower Upper

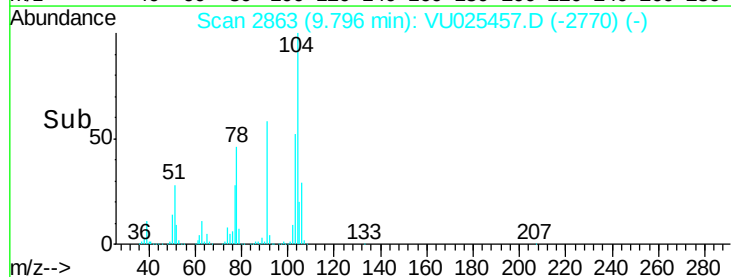
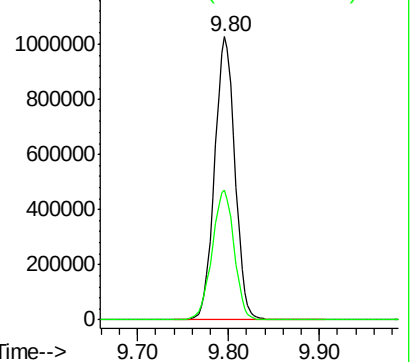
104 100

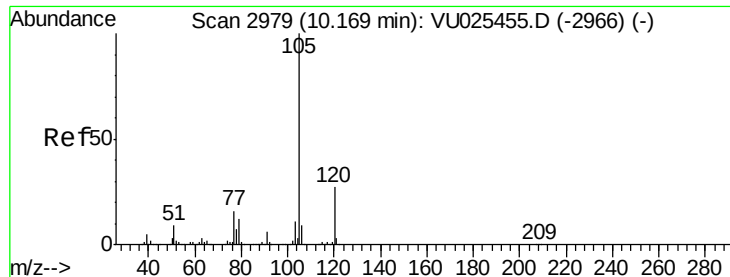
78 45.7 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 197.725 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

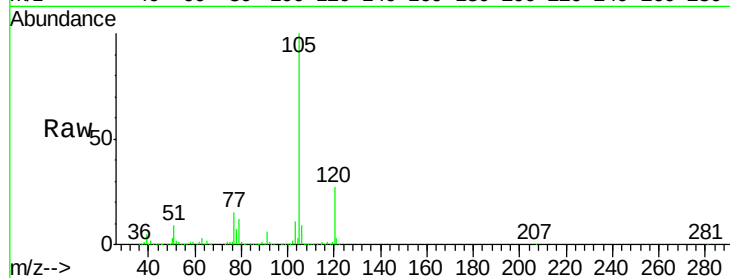
Tgt Ion:105 Resp: 2434077

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

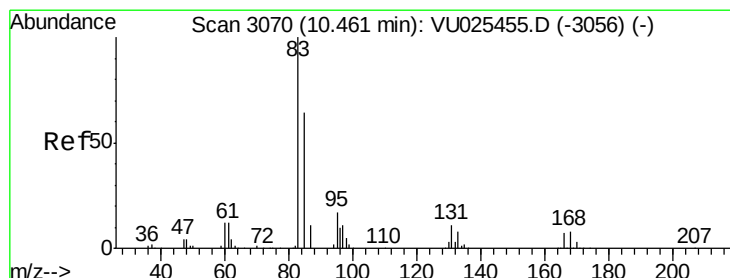
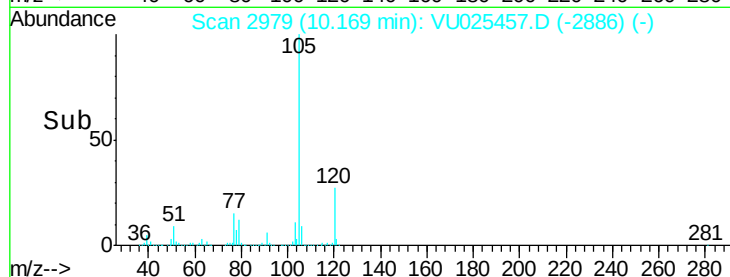
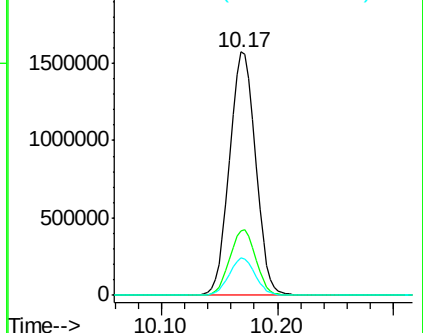
77 15.3 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 189.808 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

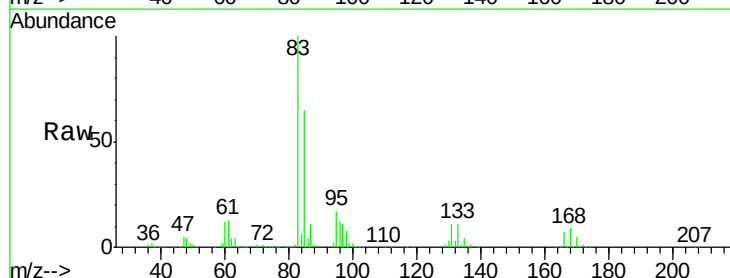
Tgt Ion: 83 Resp: 882797

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

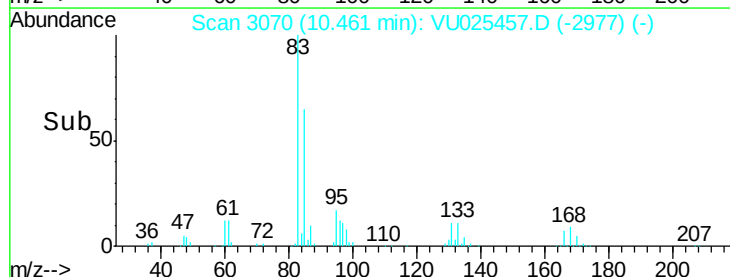
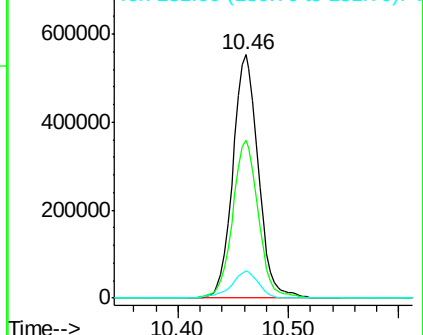
131 11.0 8.9 13.3

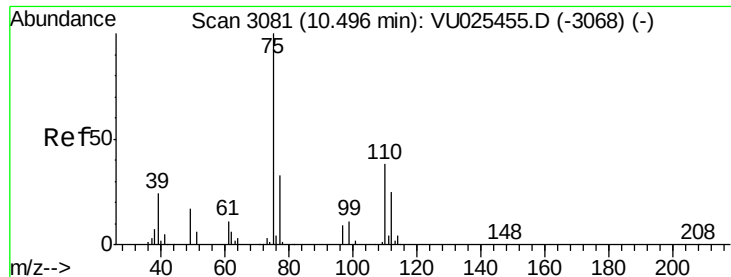


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

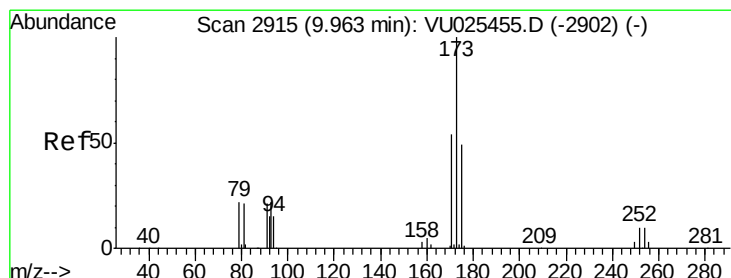
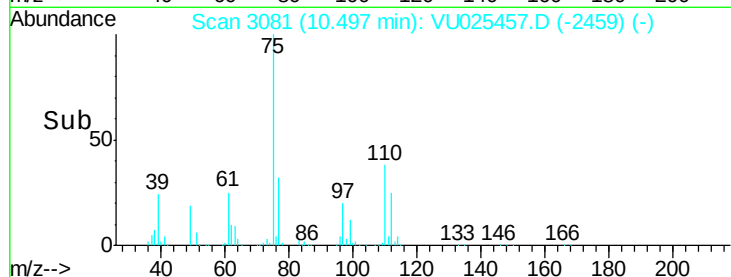
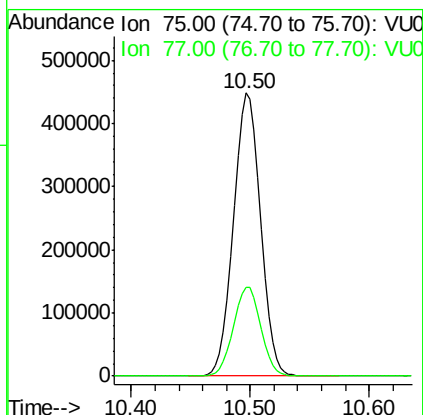
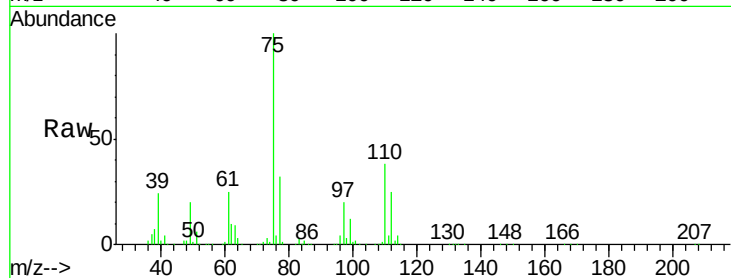




#59
1,2,3-Trichloropropane
Concen: 186.341 ug/L
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

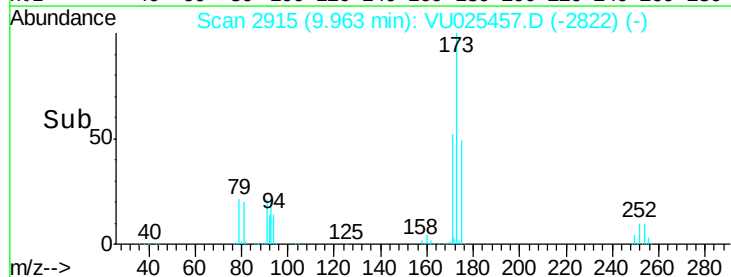
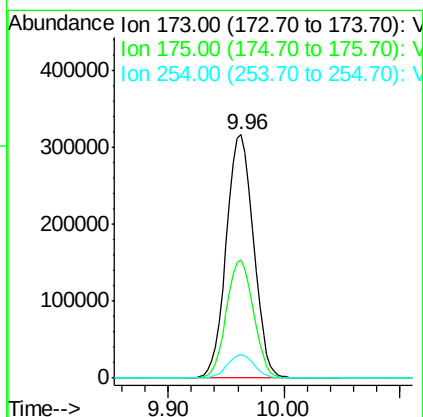
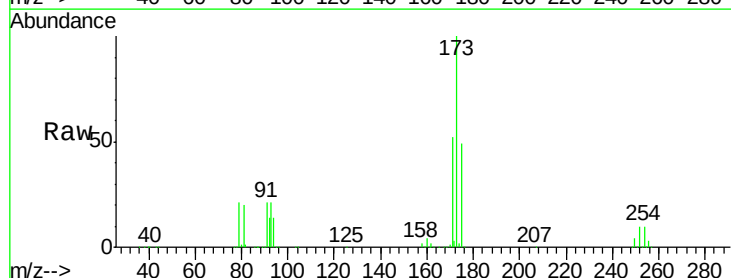
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

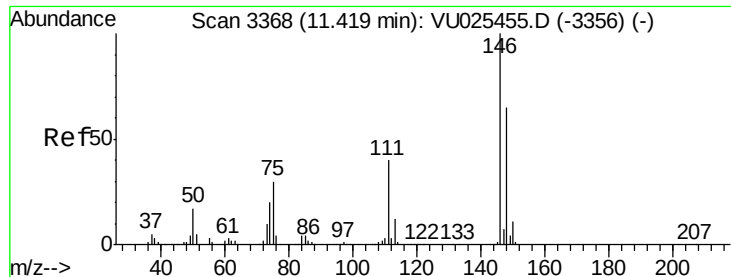
Tgt Ion: 75 Resp: 706053
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2



#61
Bromoform
Concen: 185.027 ug/L
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025457.D
Acq: 17 Jul 2018 13:07

Tgt Ion: 173 Resp: 514790
Ion Ratio Lower Upper
173 100
175 48.4 39.1 58.7
254 9.5 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 185.911 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

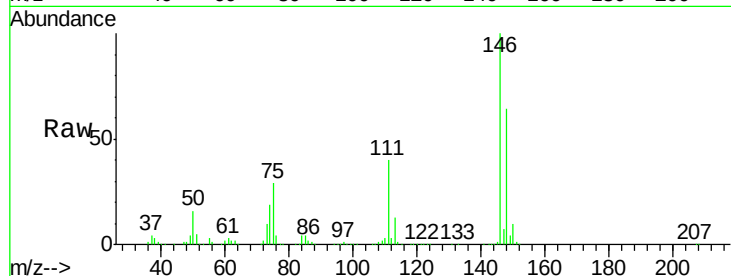
Tgt Ion:146 Resp: 1215322

Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.3

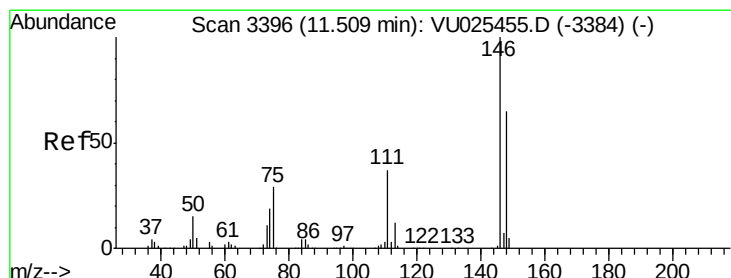
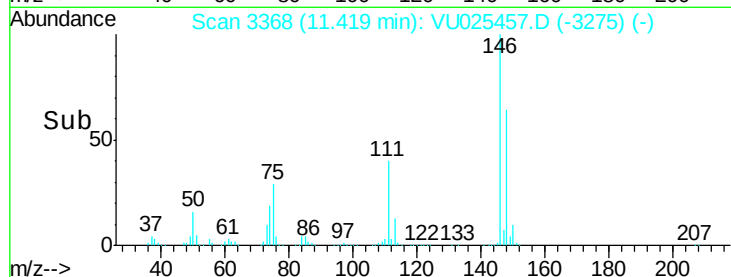
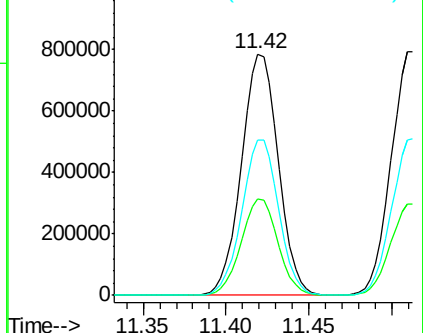
148 64.4 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 185.919 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

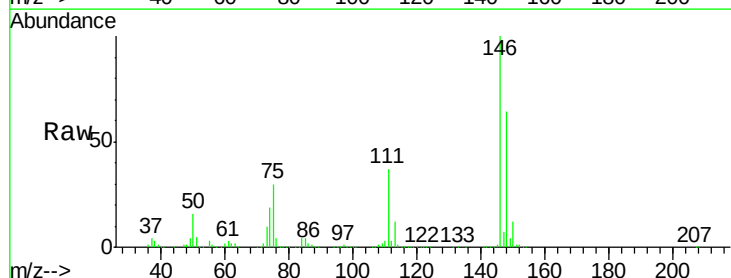
Tgt Ion:146 Resp: 1228217

Ion Ratio Lower Upper

146 100

111 37.3 26.4 49.0

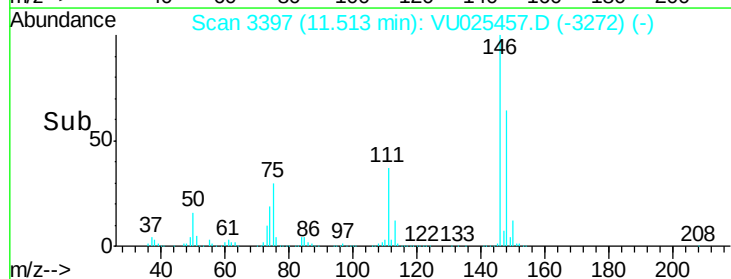
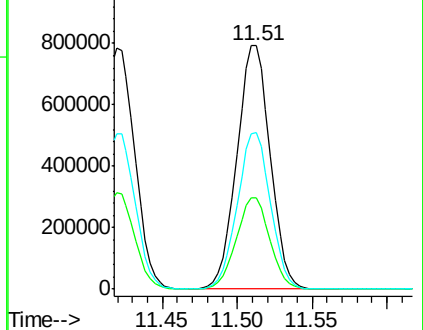
148 64.2 45.6 84.8

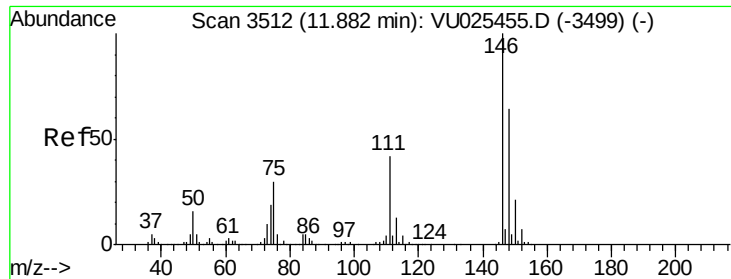


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

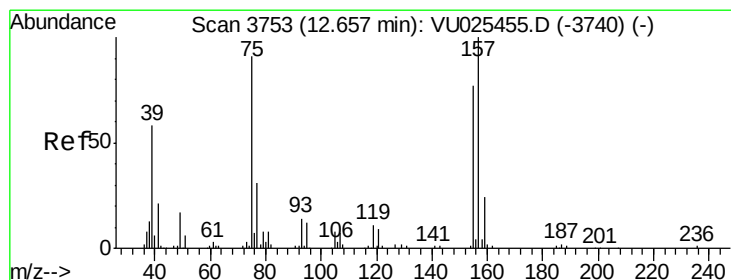
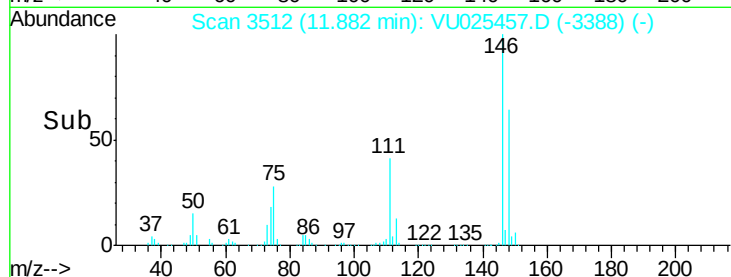
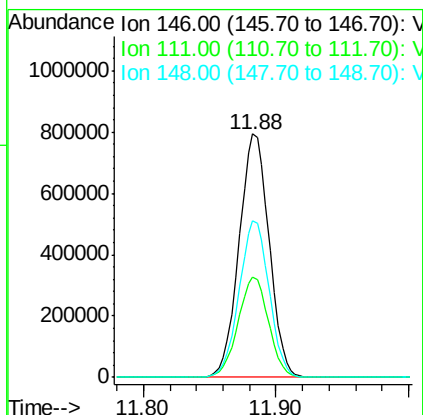
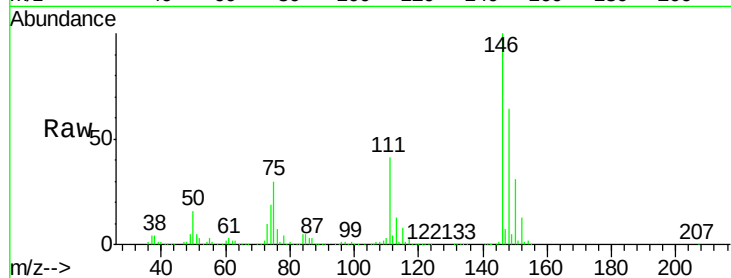




#65
 1,2-Dichlorobenzene
 Concen: 180.357 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

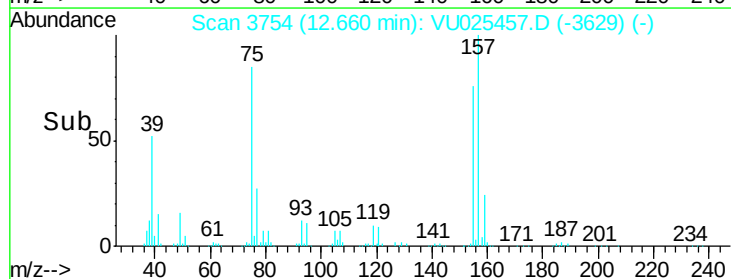
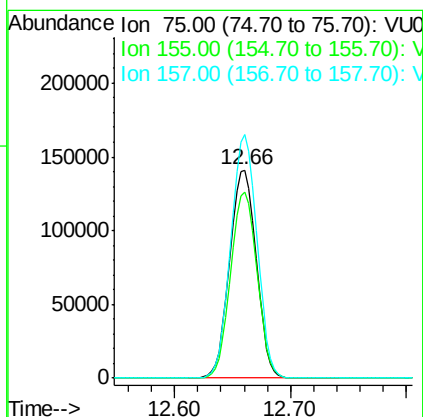
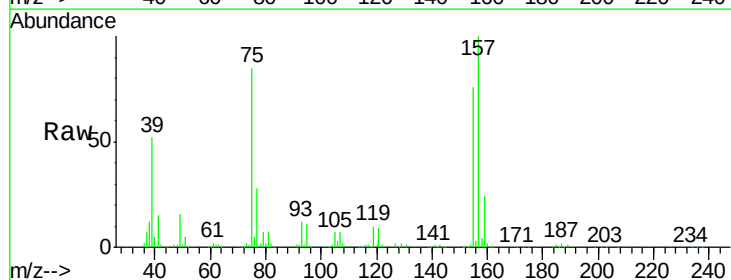
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

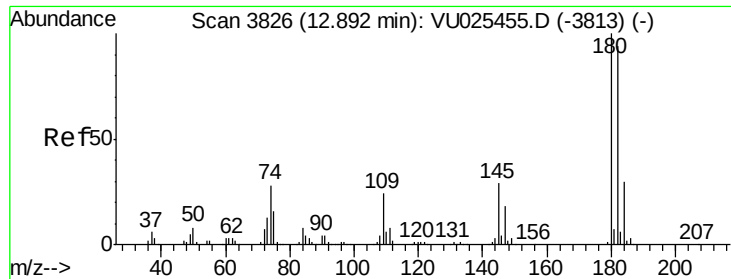
Tgt Ion:146 Resp: 1244952
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.8 50.6
 148 64.1 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 172.959 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Tgt Ion: 75 Resp: 223427
 Ion Ratio Lower Upper
 75 100
 155 89.5 67.4 101.0
 157 117.1 87.9 131.9

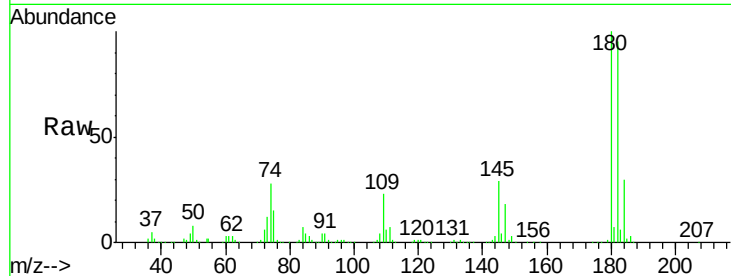




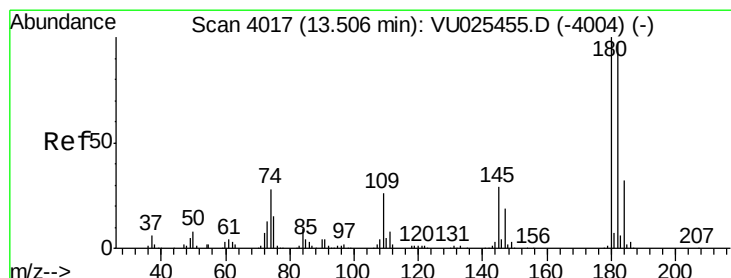
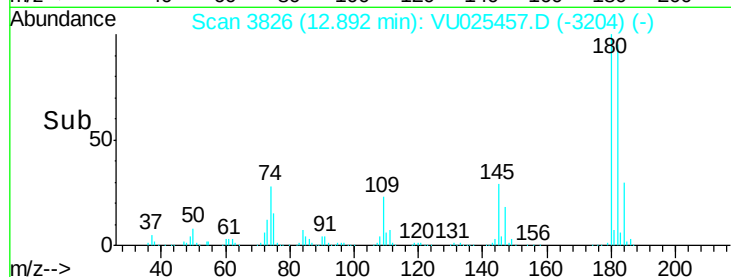
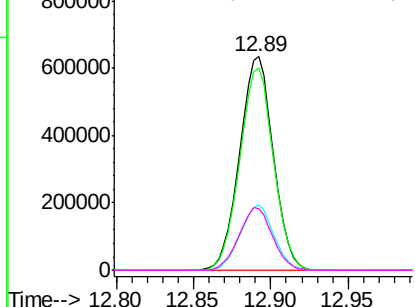
#67
 1,3,5-Trichlorobenzene
 Concen: 190.658 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

Tgt Ion:180 Resp: 957998
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.1 112.7
 184 30.3 24.6 36.8
 145 29.2 23.1 34.7

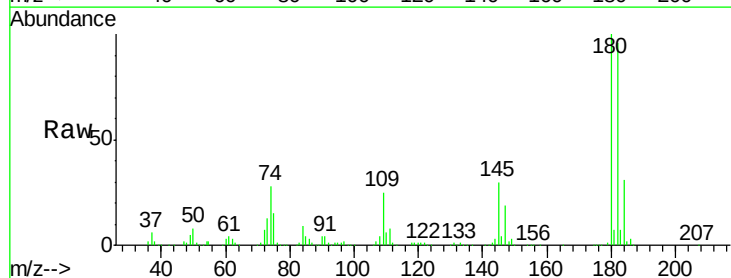


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

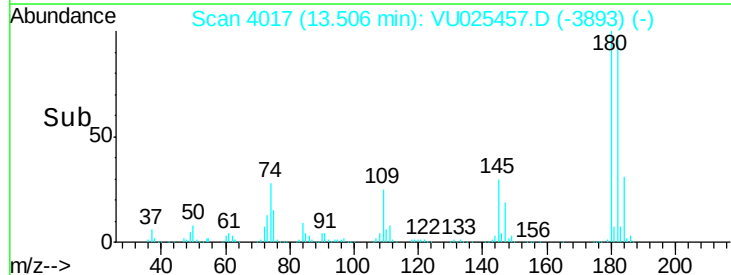
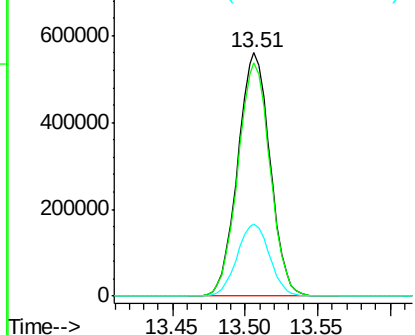


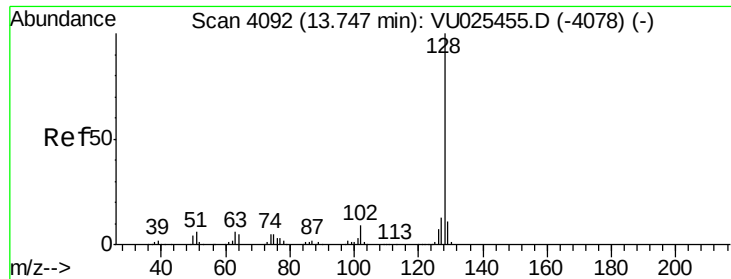
#68
 1,2,4-trichlorobenzene
 Concen: 193.664 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025457.D
 Acq: 17 Jul 2018 13:07

Tgt Ion:180 Resp: 867713
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 115.0
 145 29.8 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 183.675 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

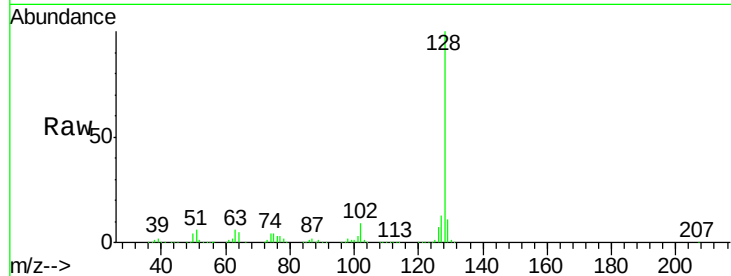
Tgt Ion:128 Resp: 2847494

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

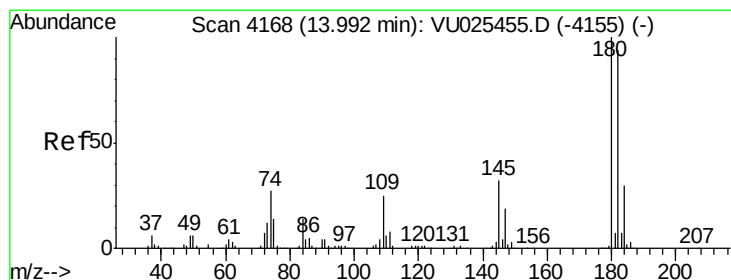
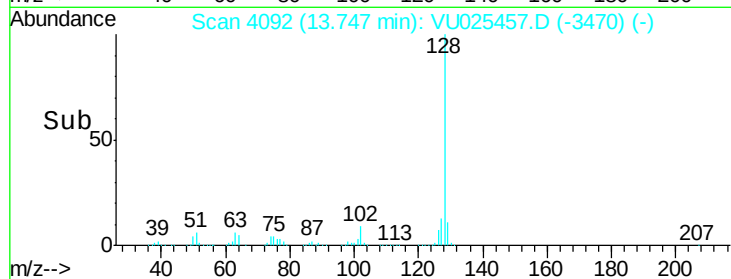
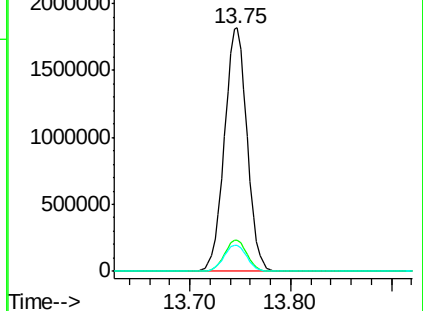
129 11.0 8.9 13.3



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



#70

1,2,3-Trichlorobenzene

Concen: 184.684 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025457.D

Acq: 17 Jul 2018 13:07

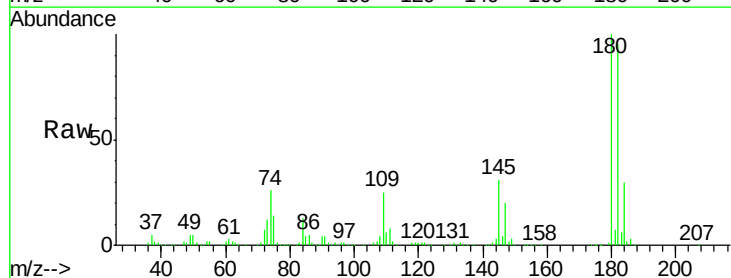
Tgt Ion:180 Resp: 892441

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.8

145 31.5 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

