

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025417.D
 Acq On : 16 Jul 2018 11:13
 Operator : MD/SY
 Sample : VSTD10054
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Quant Time: Jul 17 02:08:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	369270	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	355682	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	189932	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	191341	89.33	ug/L	0.00
7) Chloroethane-d5	1.67	69	151938	85.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	417198	88.98	ug/L	0.00
21) 2-Butanone-d5	4.18	46	416336	222.92	ug/L	0.00
24) Chloroform-d	4.65	84	465637	99.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	312357	94.82	ug/L	0.00
32) Benzene-d6	5.35	84	873470	90.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	286127	93.35	ug/L	0.00
41) Toluene-d8	7.57	98	874872	93.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	147656	96.10	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	322145	223.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	454494	103.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	391497	95.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	301777	91.330 ug/L	99
3) Chloromethane	1.33	50	303965	106.694 ug/L	98
5) Vinyl chloride	1.40	62	257835	91.290 ug/L	99
6) Bromomethane	1.61	94	71046	51.863 ug/L	93
8) Chloroethane	1.69	64	145857	85.628 ug/L	99
9) Trichlorofluoromethane	1.88	101	351626	86.171 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	216893	88.736 ug/L	98
12) 1,1-Dichloroethene	2.28	96	201920	90.900 ug/L	98
13) Acetone	2.32	43	358806	186.775 ug/L	99
14) Carbon disulfide	2.47	76	629236	93.144 ug/L	99
15) Methyl Acetate	2.62	43	295448	100.683 ug/L	100
16) Methylene chloride	2.70	84	257168	96.832 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	223923	92.300 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	794179	94.036 ug/L	100
19) 1,1-Dichloroethane	3.45	63	442069	95.532 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	265959	94.824 ug/L	98
22) 2-Butanone	4.26	43	472806	207.040 ug/L	99
23) Bromochloromethane	4.55	128	126510	88.843 ug/L	99
25) Chloroform	4.68	83	462765	93.670 ug/L	99
27) 1,2-Dichloroethane	5.41	62	380913	92.782 ug/L	99
29) Cyclohexane	5.00	56	387086	85.979 ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	420767	89.658 ug/L	100
31) Carbon tetrachloride	5.14	117	372373	90.883 ug/L	98
33) Benzene	5.39	78	951555	89.299 ug/L	100
34) Trichloroethene	6.19	95	250072	88.550 ug/L	99
35) Methylcyclohexane	6.42	83	407022	86.672 ug/L	99
37) 1,2-Dichloropropane	6.44	63	260058	91.070 ug/L	99
38) Bromodichloromethane	6.76	83	344770	91.593 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	418313	93.148 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	842980	201.753 ug/L	100

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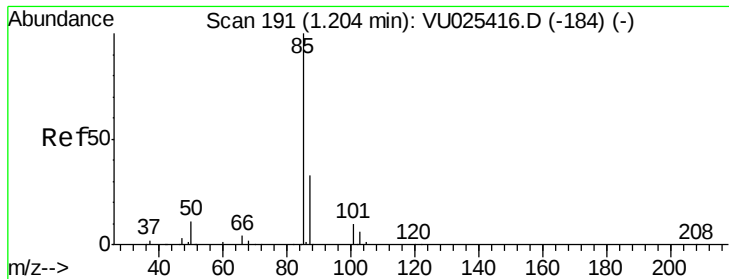
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	1051858	91.021	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	391968	94.183	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	255666	94.000	ug/L	99
46) Tetrachloroethene	8.23	164	217997	91.332	ug/L	99
48) 2-Hexanone	8.36	43	713310	212.049	ug/L	99
49) Dibromochloromethane	8.48	129	289403	91.881	ug/L	99
50) 1,2-Dibromoethane	8.59	107	276907	91.580	ug/L	100
51) Chlorobenzene	9.12	112	709898	91.887	ug/L	100
52) Ethylbenzene	9.25	91	1200794	92.528	ug/L	100
53) m,p-Xylene	9.38	106	467147	92.982	ug/L	100
54) o-xylene	9.78	106	467128	92.766	ug/L	99
55) Styrene	9.80	104	789412	95.674	ug/L	98
56) Isopropylbenzene	10.17	105	1226348	92.863	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	459228	99.826	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	373279	99.617	ug/L	100
61) Bromoform	9.96	173	212980	88.216	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	583843	92.618	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	586871	92.734	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	609743	91.862	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	110188	99.008	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	443739	94.796	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	390386	99.492	ug/L	99
69) Naphthalene	13.75	128	1378855	104.061	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	414197	97.693	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 91.330 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

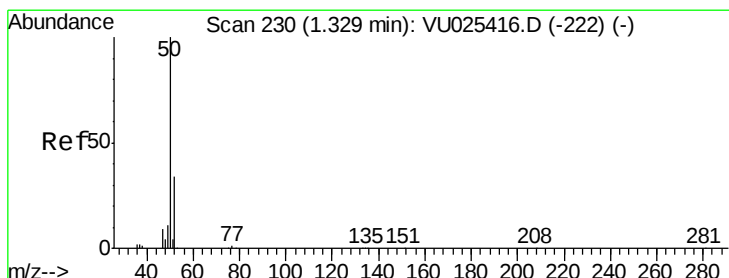
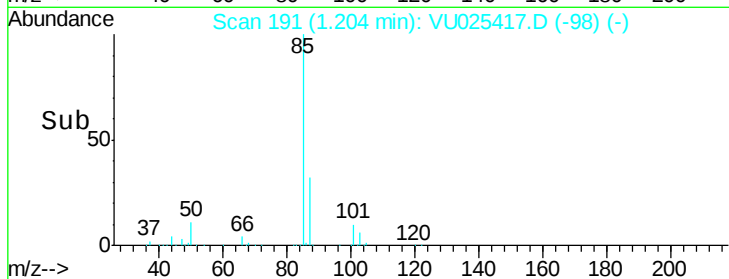
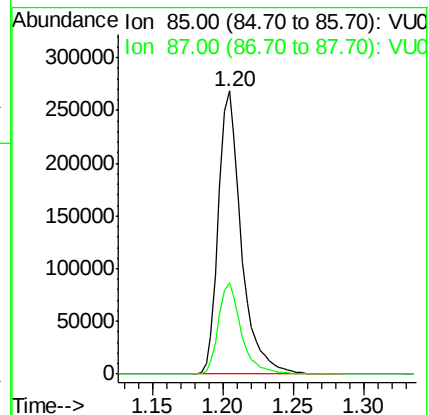
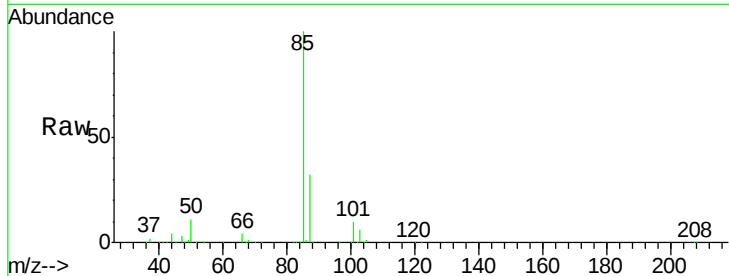
VSTD10054

Tgt Ion: 85 Resp: 301777

Ion Ratio Lower Upper

85 100

87 31.9 26.0 39.0



#3

Chloromethane

Concen: 106.694 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025417.D

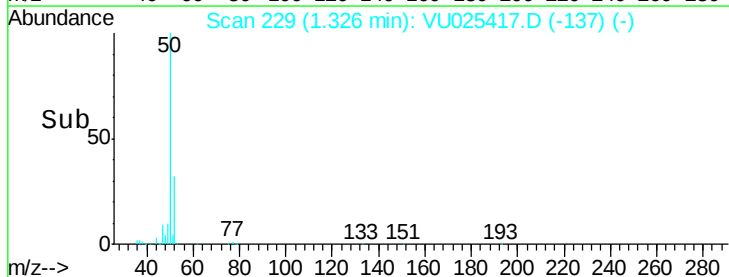
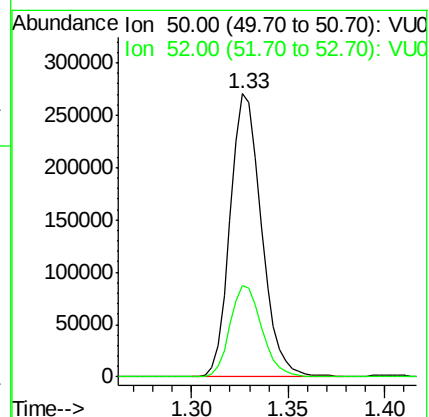
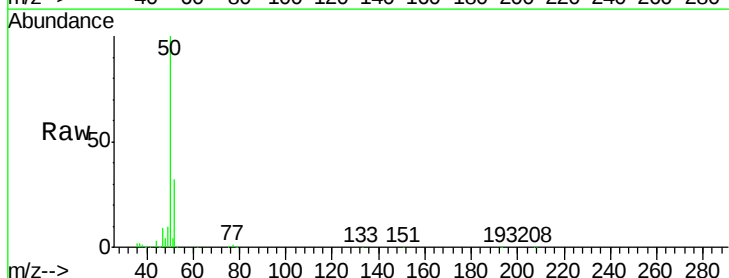
Acq: 16 Jul 2018 11:13

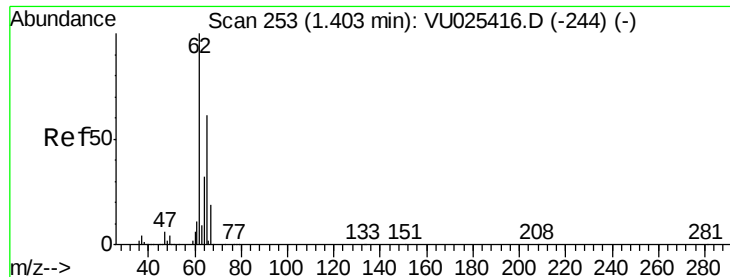
Tgt Ion: 50 Resp: 303965

Ion Ratio Lower Upper

50 100

52 32.3 23.5 43.7





#5

Vinyl chloride

Concen: 91.290 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

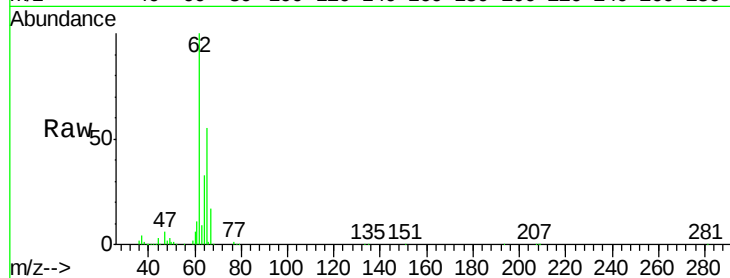
VSTD10054

Tgt Ion: 62 Resp: 257835

Ion Ratio Lower Upper

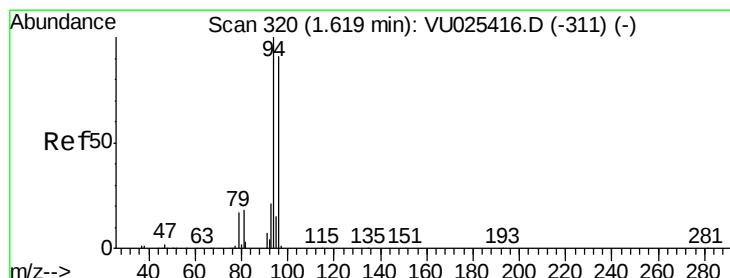
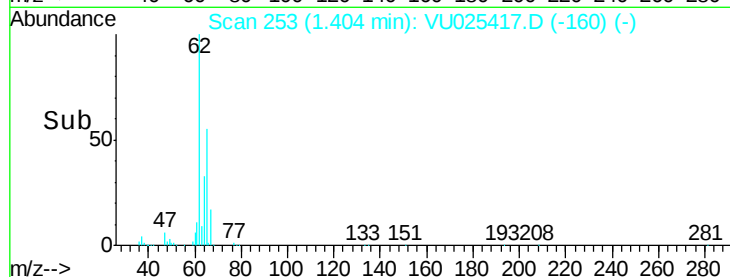
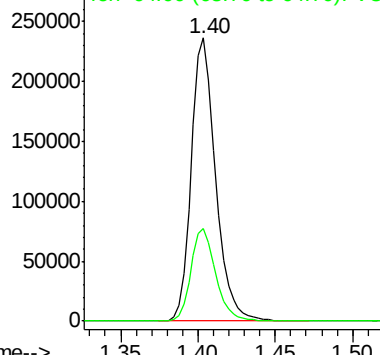
62 100

64 32.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 51.863 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025417.D

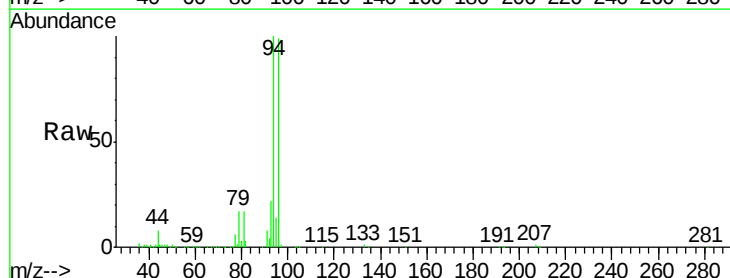
Acq: 16 Jul 2018 11:13

Tgt Ion: 94 Resp: 71046

Ion Ratio Lower Upper

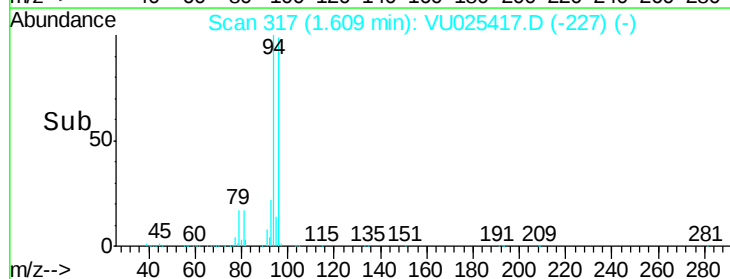
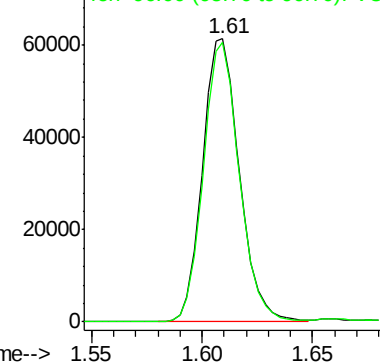
94 100

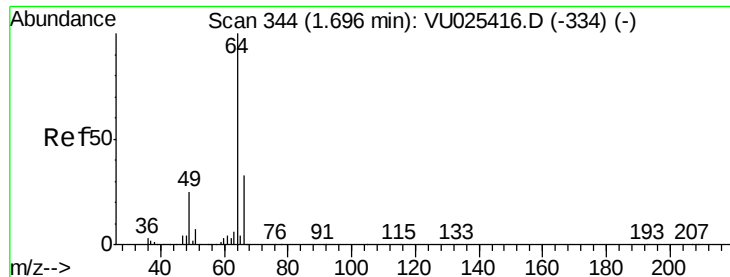
96 98.7 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

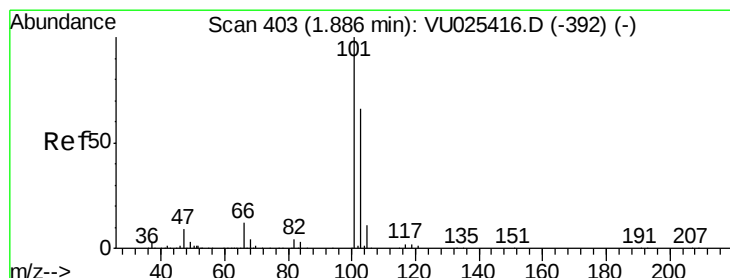
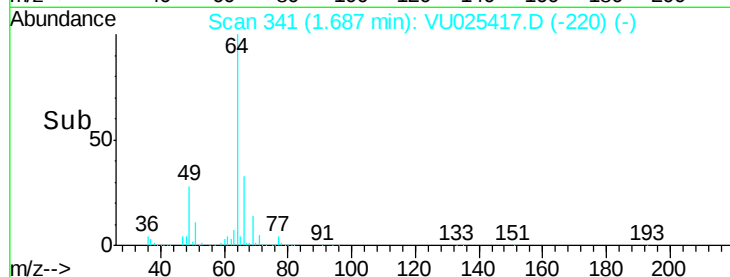
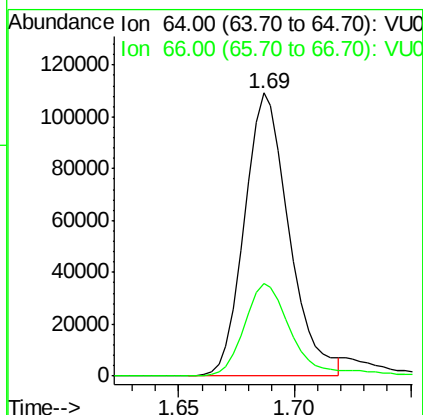
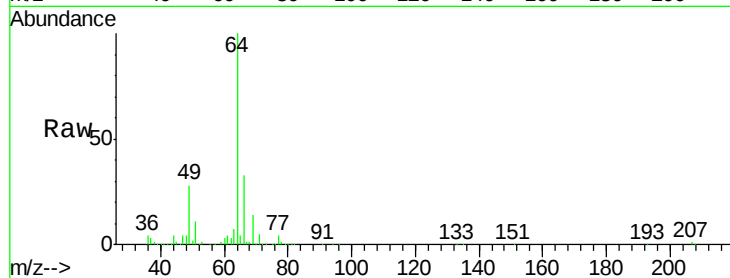




#8
 Chloroethane
 Concen: 85.628 ug/L
 RT: 1.69 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

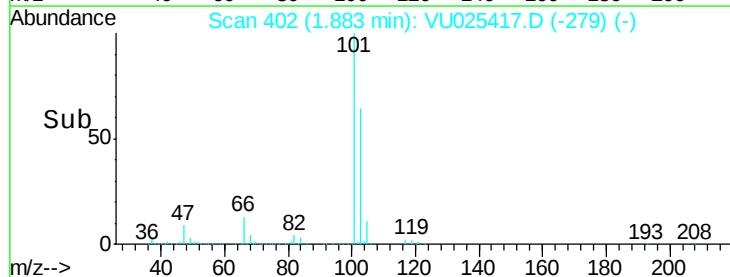
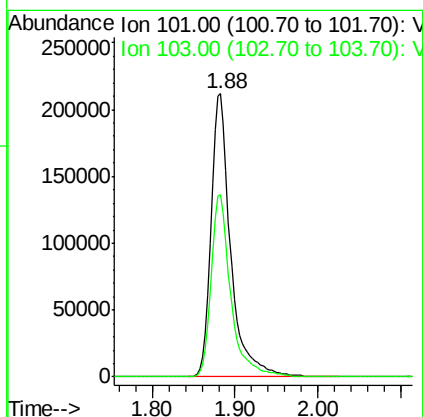
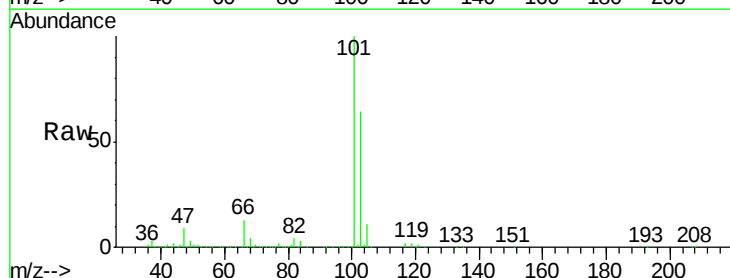
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

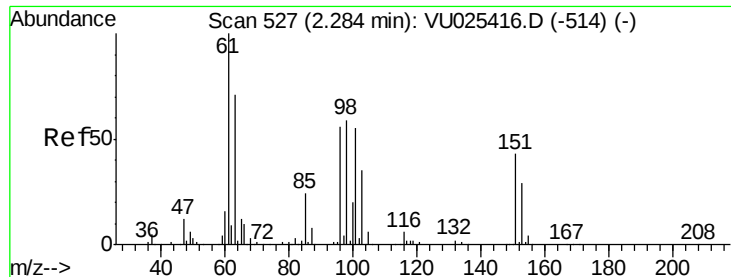
Tgt Ion: 64 Resp: 145857
 Ion Ratio Lower Upper
 64 100
 66 32.7 23.2 43.0



#9
 Trichlorofluoromethane
 Concen: 86.171 ug/L
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion: 101 Resp: 351626
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5





#10

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

Concen: 88.736 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

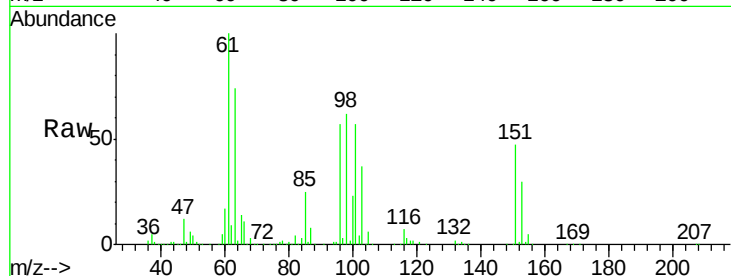
Tgt Ion: 101 Resp: 216893

Ion Ratio Lower Upper

101 100

85 43.8 34.7 52.1

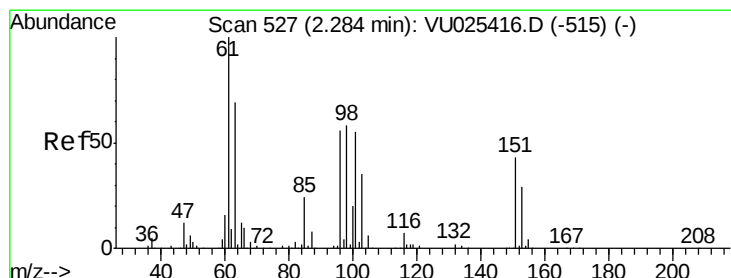
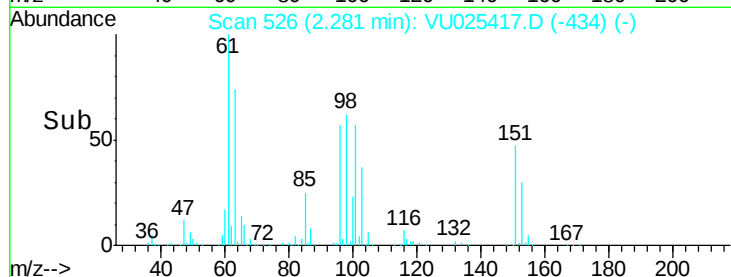
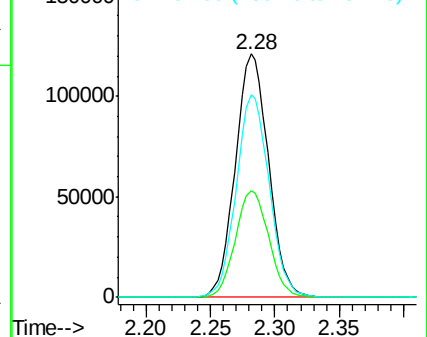
151 82.5 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 90.900 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

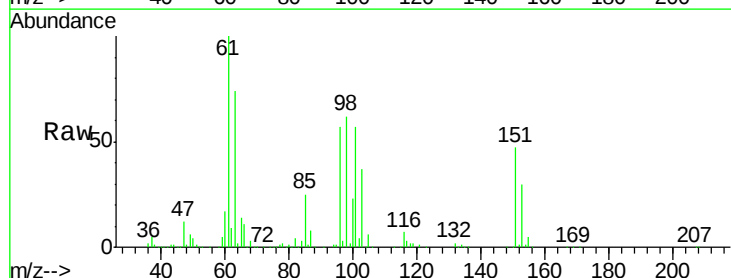
Tgt Ion: 96 Resp: 201920

Ion Ratio Lower Upper

96 100

61 176.4 125.9 233.9

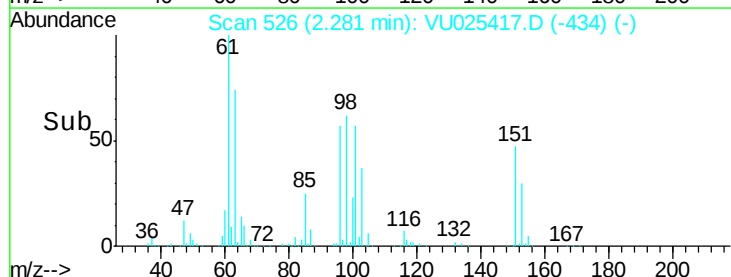
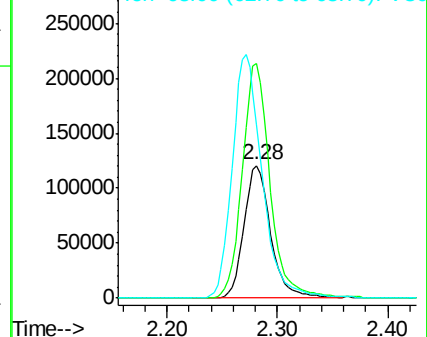
63 131.0 90.4 167.8

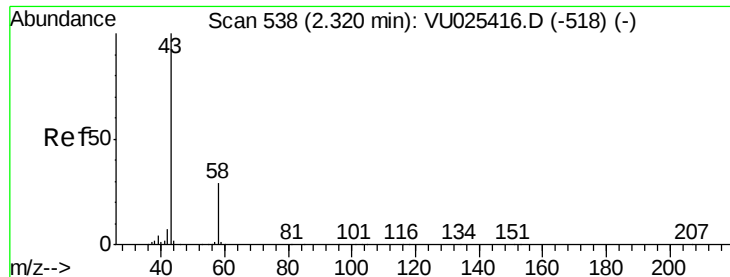


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 186.775 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

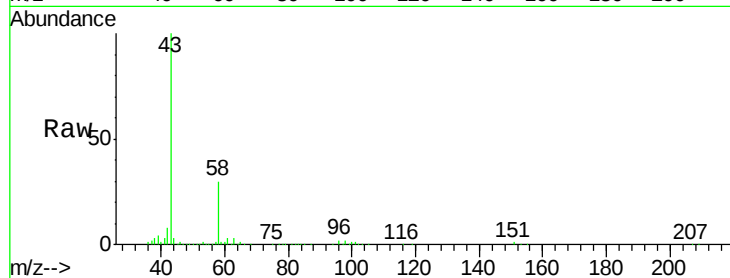
VSTD10054

Tgt Ion: 43 Resp: 358806

Ion Ratio Lower Upper

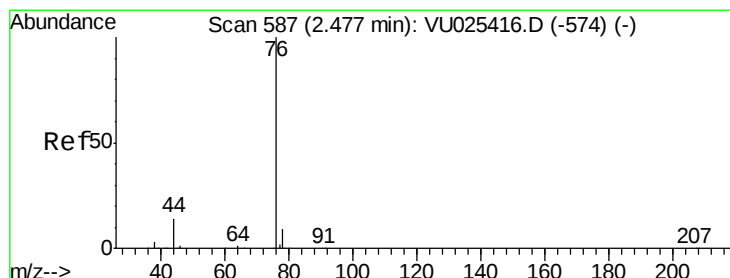
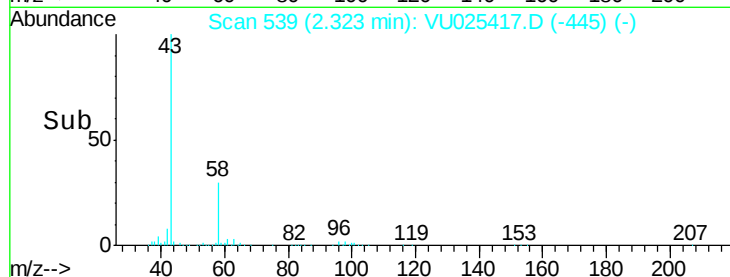
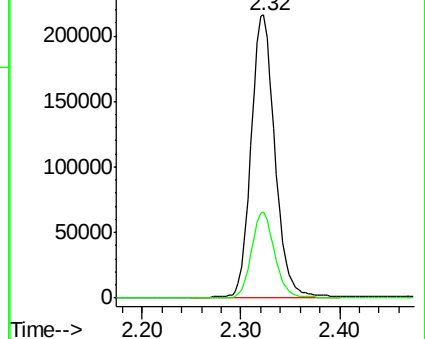
43 100

58 29.5 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU025417.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025417.D (-445) (-)



#14

Carbon disulfide

Concen: 93.144 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025417.D

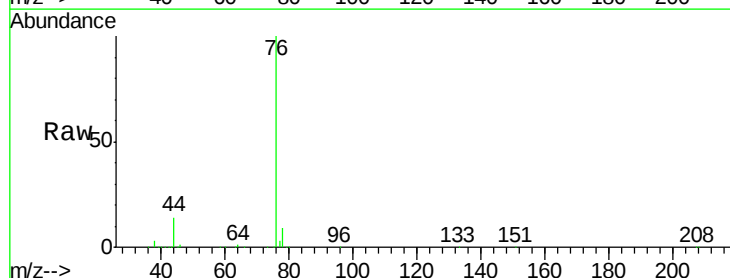
Acq: 16 Jul 2018 11:13

Tgt Ion: 76 Resp: 629236

Ion Ratio Lower Upper

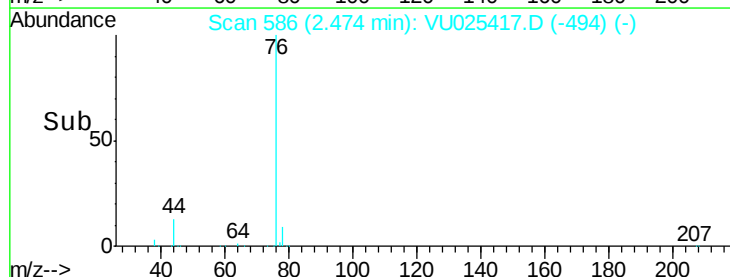
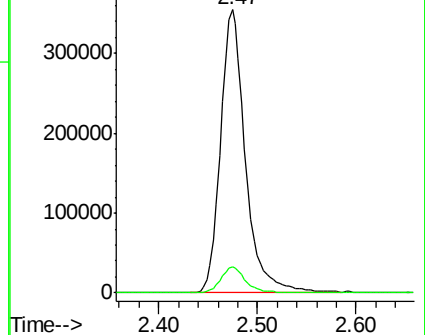
76 100

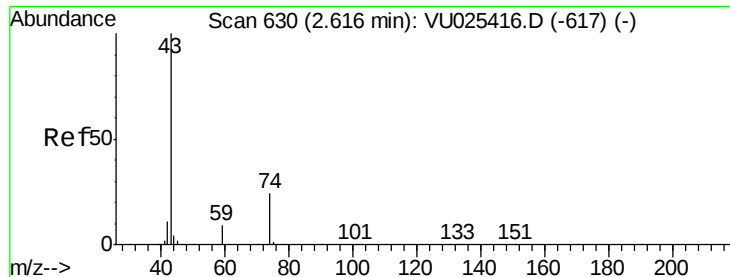
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025417.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU025417.D (-494) (-)

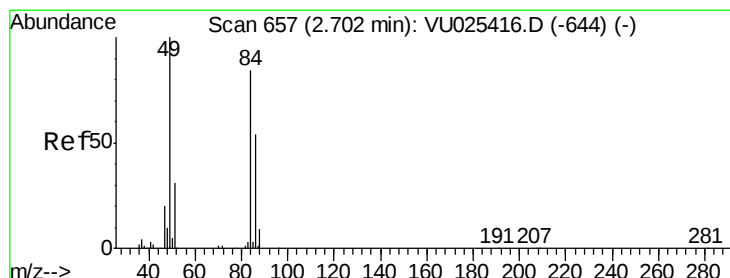
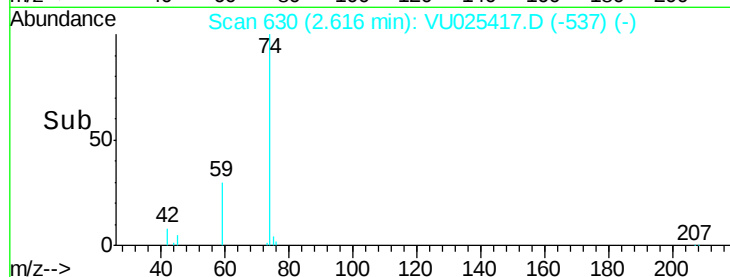
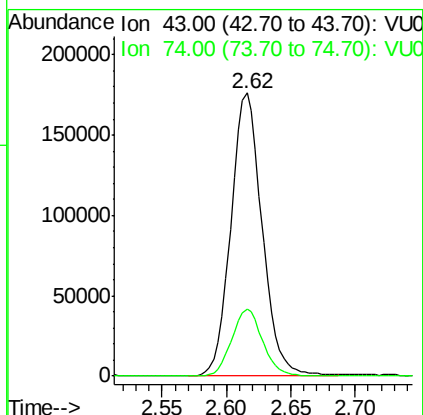
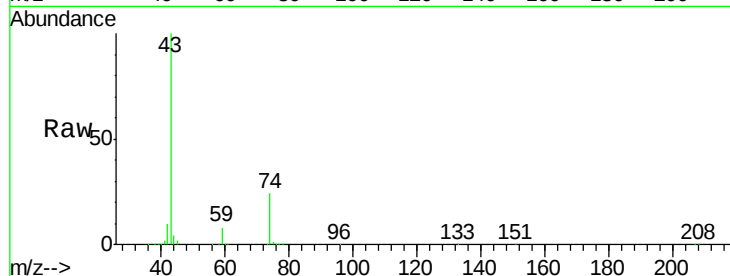




#15
Methyl Acetate
Concen: 100.683 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

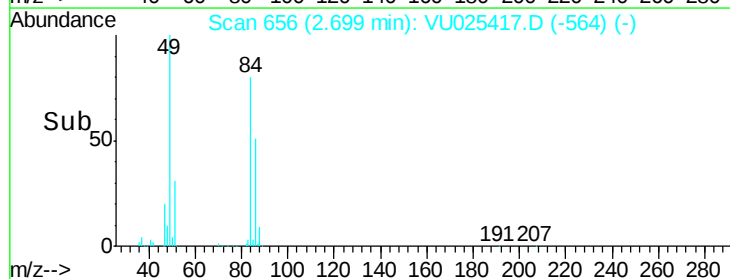
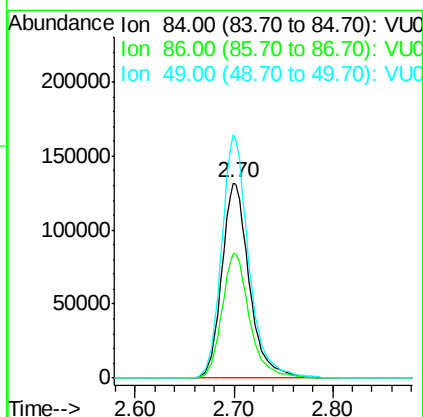
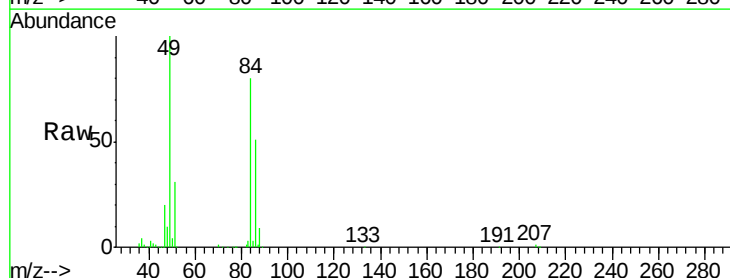
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

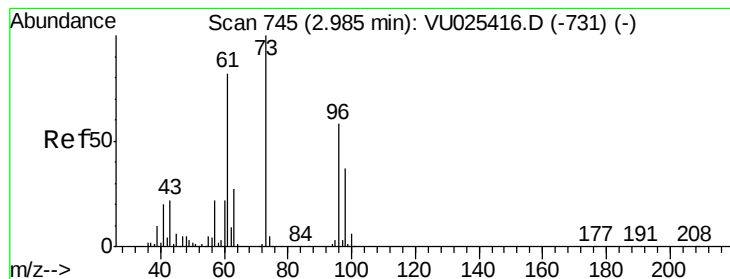
Tgt Ion: 43 Resp: 295448
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2



#16
Methylene chloride
Concen: 96.832 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion: 84 Resp: 257168
Ion Ratio Lower Upper
84 100
86 63.9 45.2 84.0
49 124.5 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 92.300 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

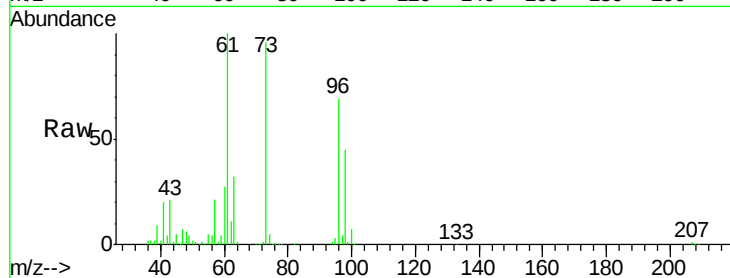
Tgt Ion: 96 Resp: 223923

Ion Ratio Lower Upper

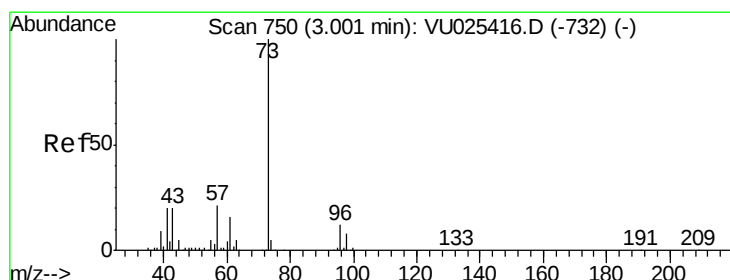
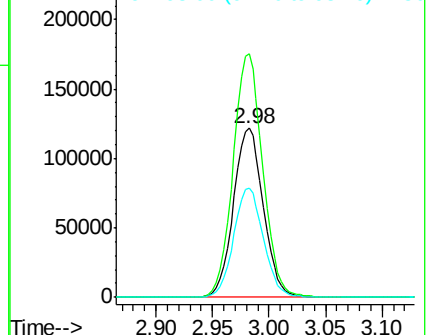
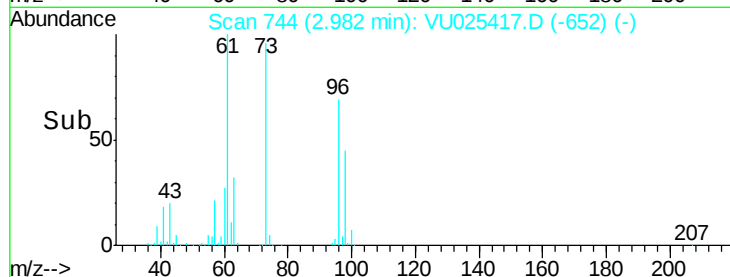
96 100

61 144.0 98.2 182.4

98 64.7 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU025417.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 94.036 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

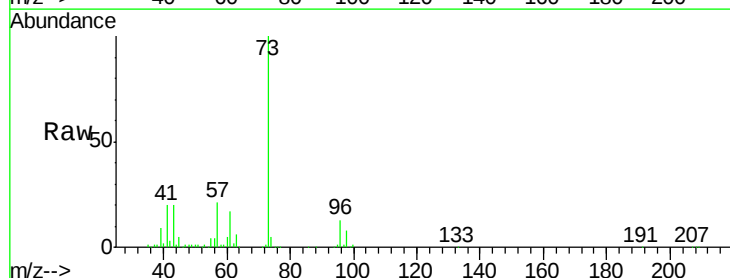
Tgt Ion: 73 Resp: 794179

Ion Ratio Lower Upper

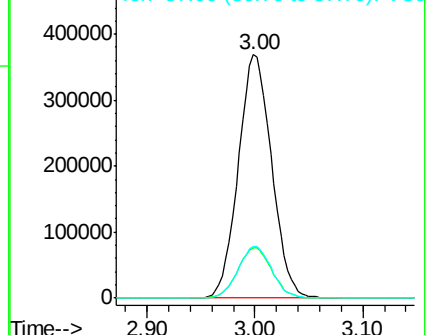
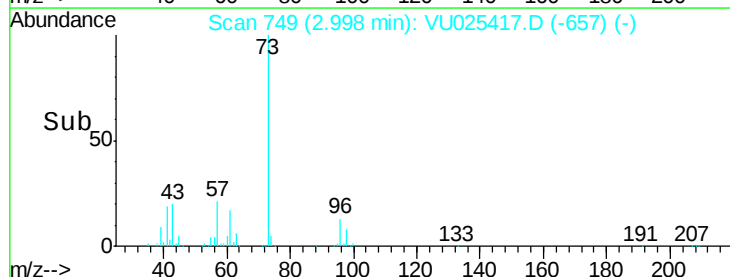
73 100

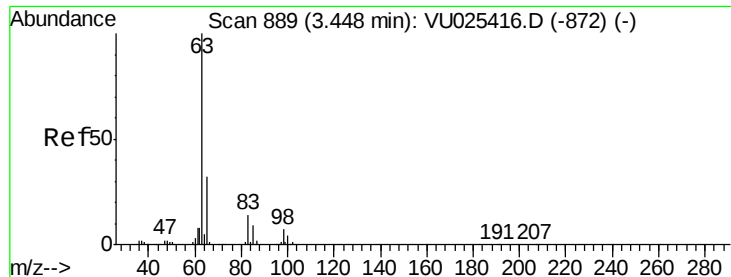
43 20.8 16.7 25.1

57 21.5 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU025417.D (-657) (-)

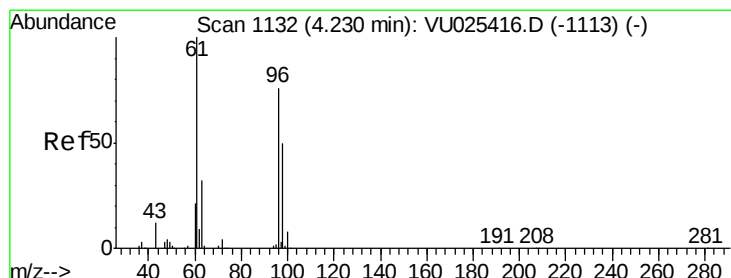
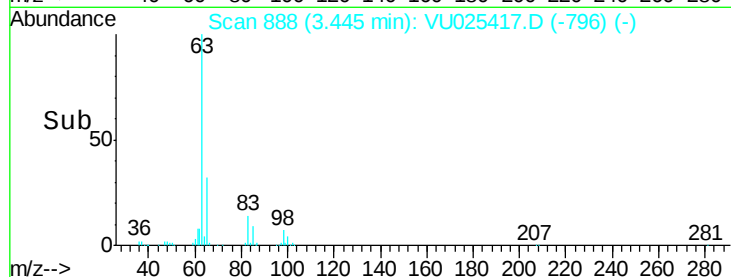
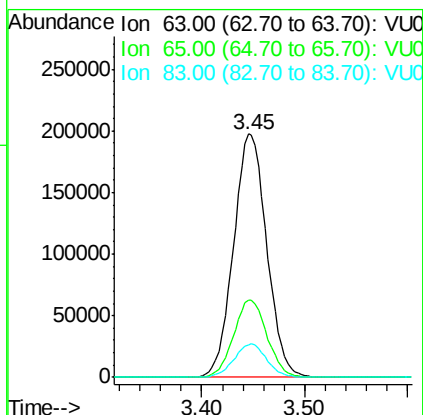
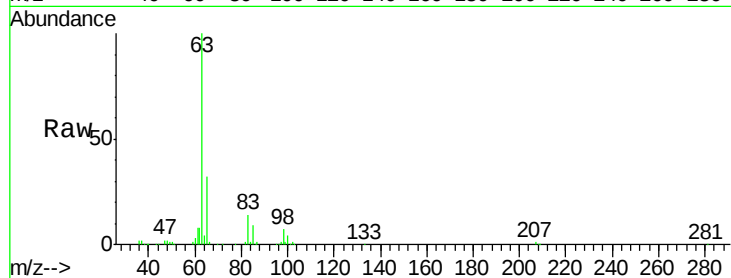




#19
 1,1-Dichloroethane
 Concen: 95.532 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

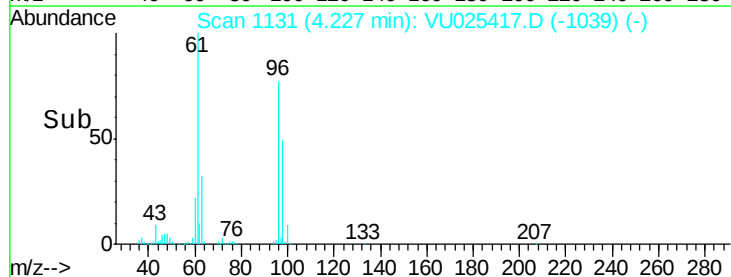
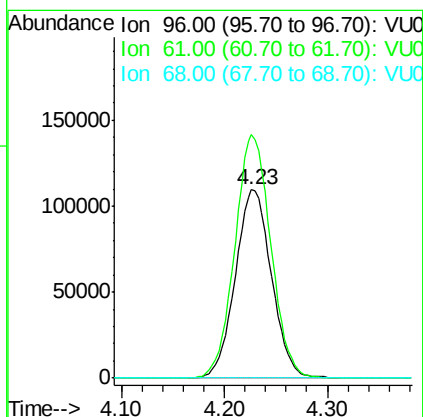
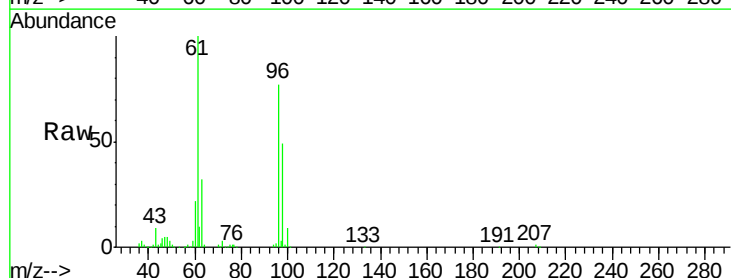
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

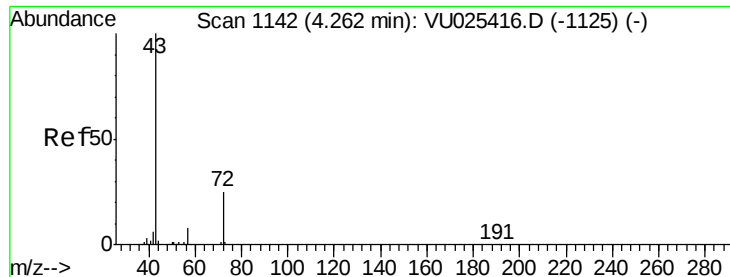
Tgt Ion: 63 Resp: 442069
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.6 42.0
 83 13.6 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 94.824 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion: 96 Resp: 265959
 Ion Ratio Lower Upper
 96 100
 61 129.5 92.0 170.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 207.040 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

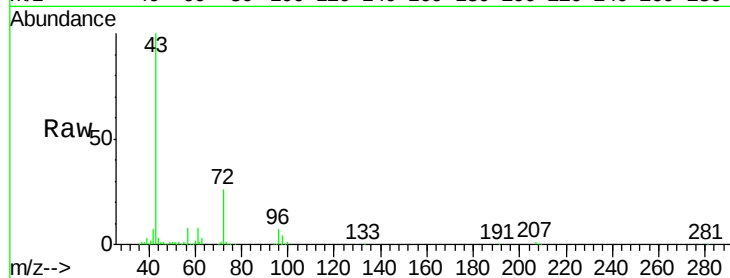
VSTD10054

Tgt Ion: 43 Resp: 472806

Ion Ratio Lower Upper

43 100

72 26.9 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU025417.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU025417.D (-1049) (-)

4.26

200000

150000

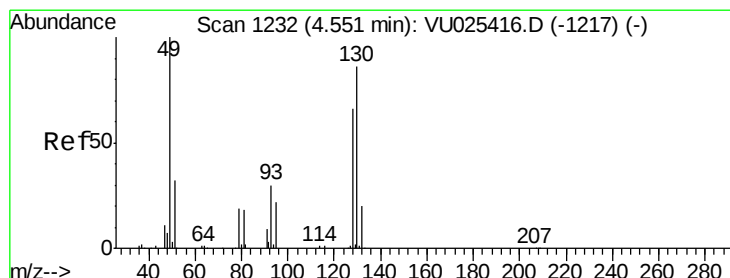
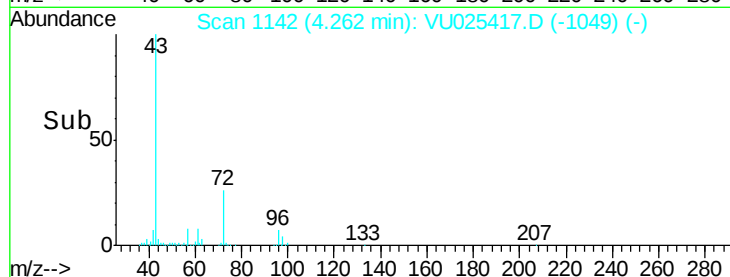
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#23

Bromochloromethane

Concen: 88.843 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Tgt Ion: 128 Resp: 126510

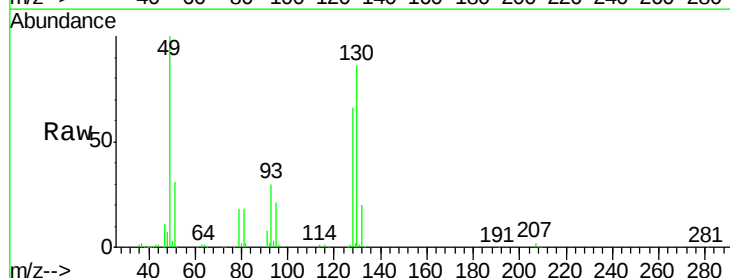
Ion Ratio Lower Upper

128 100

49 150.5 106.5 197.7

130 129.6 91.4 169.8

51 46.7 38.6 58.0



Abundance Ion 128.00 (127.70 to 128.70): VU025417.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025417.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025417.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025417.D (-1139) (-)

120000

100000

80000

60000

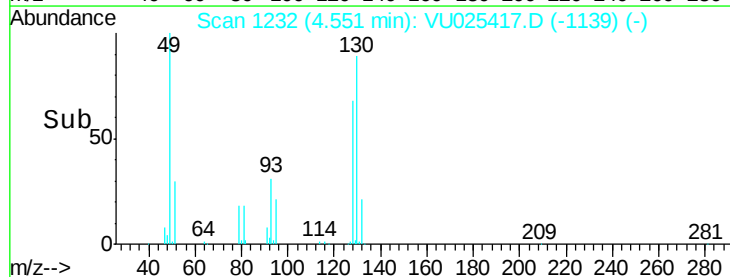
40000

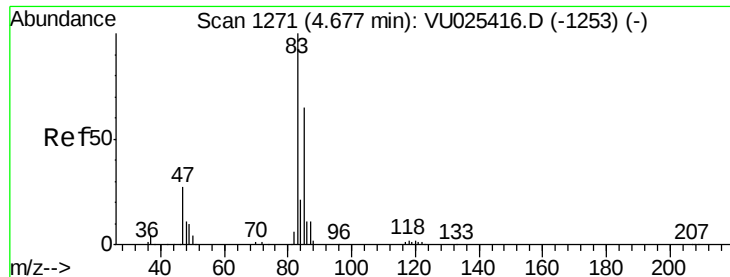
20000

0

4.50 4.55 4.60 4.70

Time-->





#25

Chloroform

Concen: 93.670 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

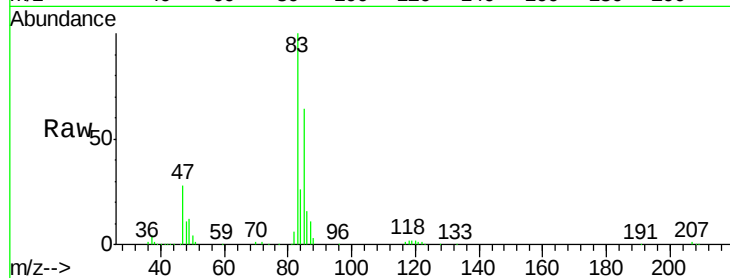
VSTD10054

Tgt Ion: 83 Resp: 462765

Ion Ratio Lower Upper

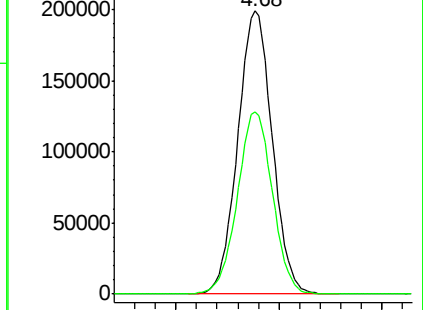
83 100

85 64.5 45.6 84.6

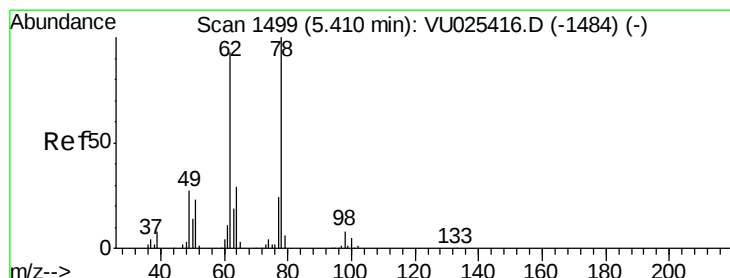
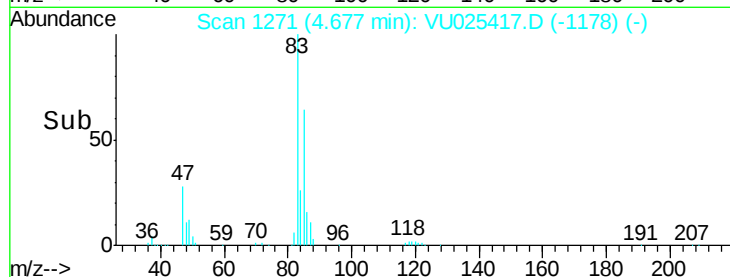


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#27

1,2-Dichloroethane

Concen: 92.782 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025417.D

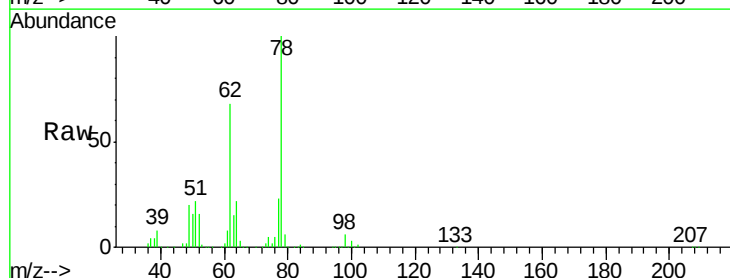
Acq: 16 Jul 2018 11:13

Tgt Ion: 62 Resp: 380913

Ion Ratio Lower Upper

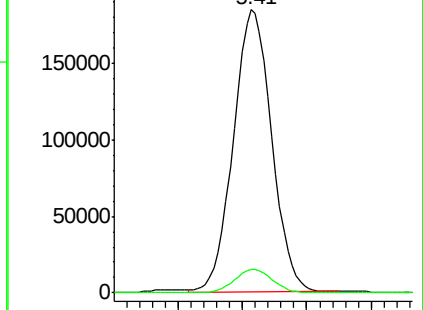
62 100

98 8.2 7.0 10.4

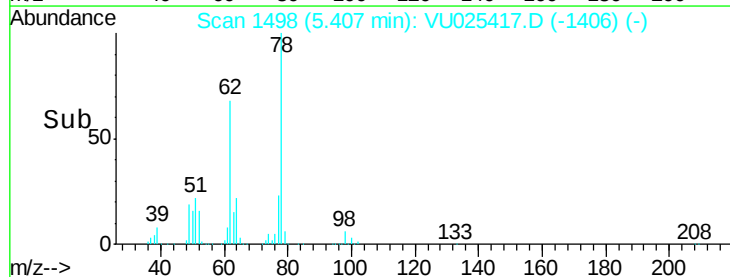


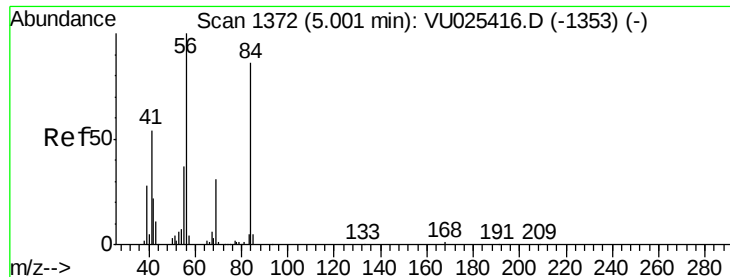
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->

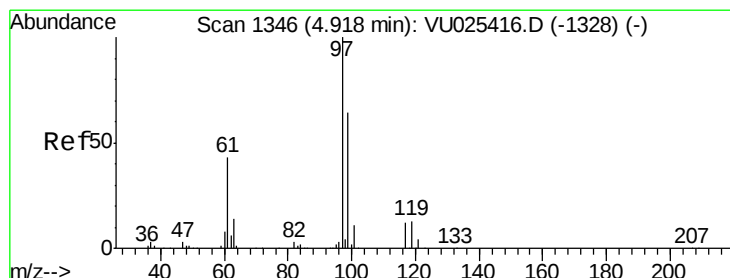
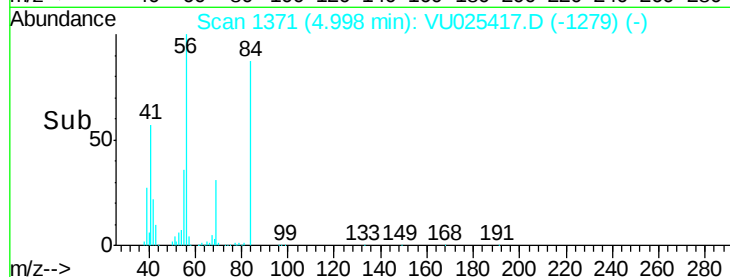
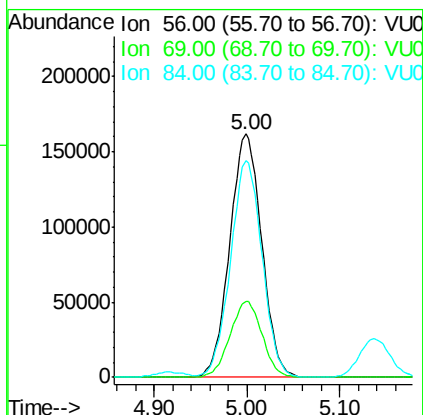
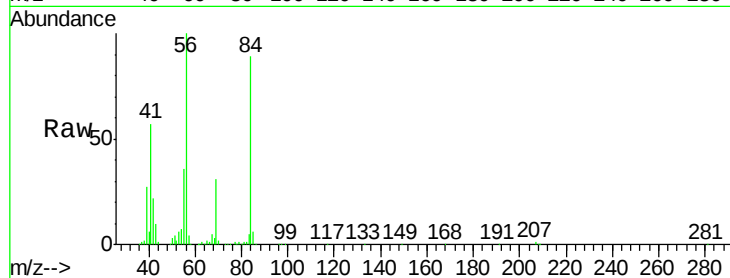




#29
Cyclohexane
Concen: 85.979 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

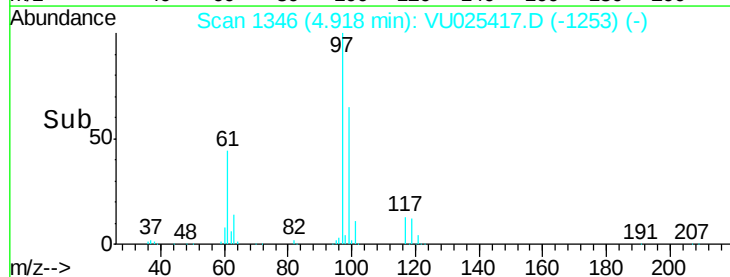
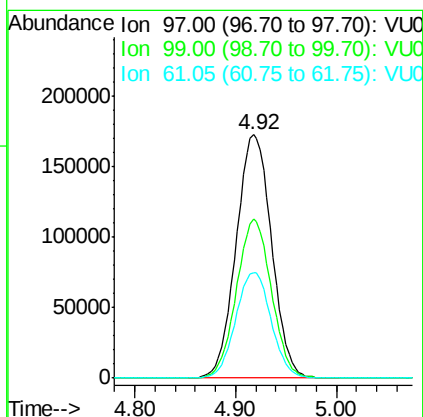
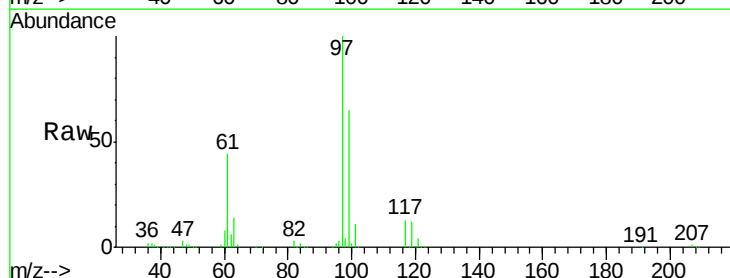
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

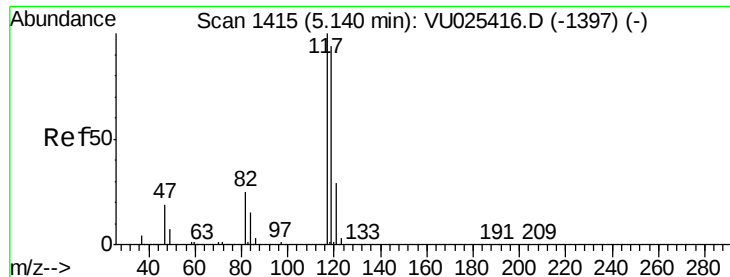
Tgt Ion: 56 Resp: 387086
Ion Ratio Lower Upper
56 100
69 31.2 24.8 37.2
84 88.0 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 89.658 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion: 97 Resp: 420767
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 43.5 34.8 52.2

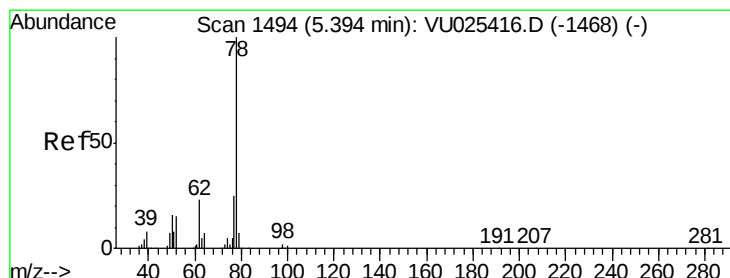
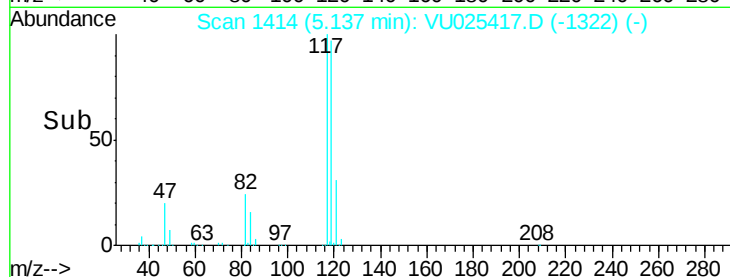
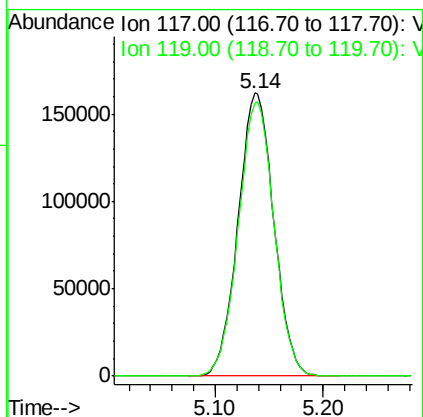
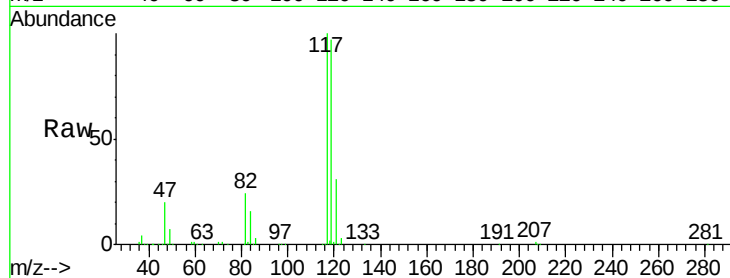




#31
Carbon tetrachloride
Concen: 90.883 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

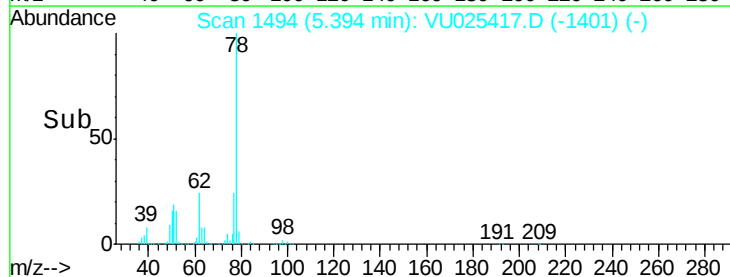
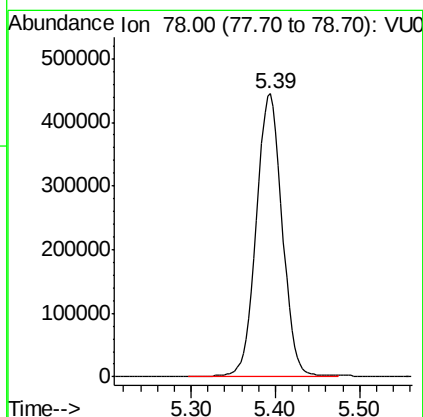
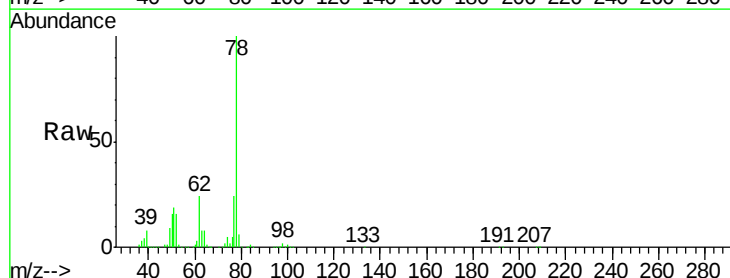
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

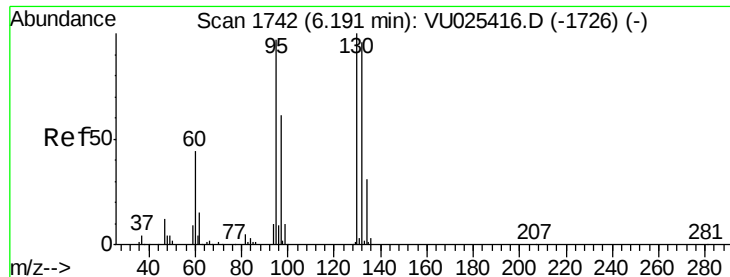
Tgt Ion:117 Resp: 372373
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8



#33
Benzene
Concen: 89.299 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion: 78 Resp: 951555

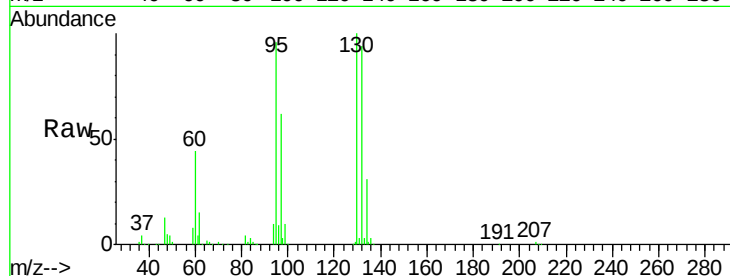




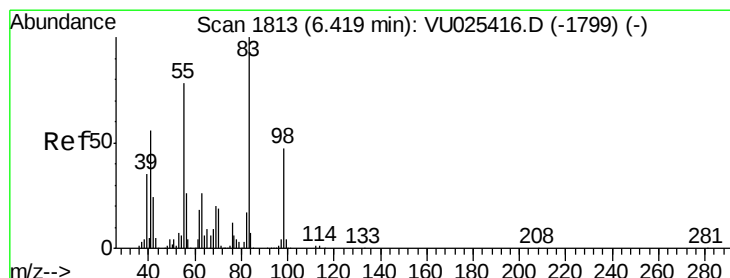
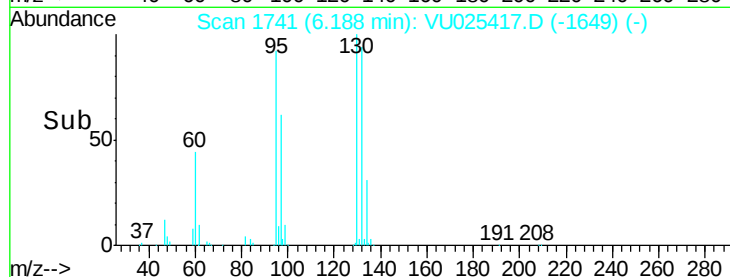
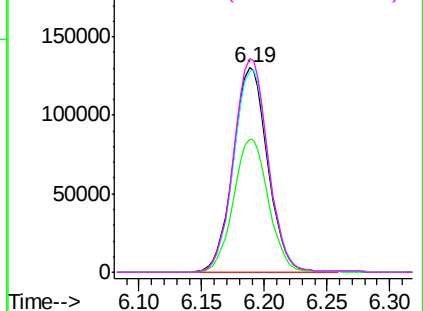
#34
 Trichloroethene
 Concen: 88.550 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Tgt Ion:	95	Resp:	250072
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.3	82.3
132	98.4	69.6	129.2
130	104.3	72.4	134.5

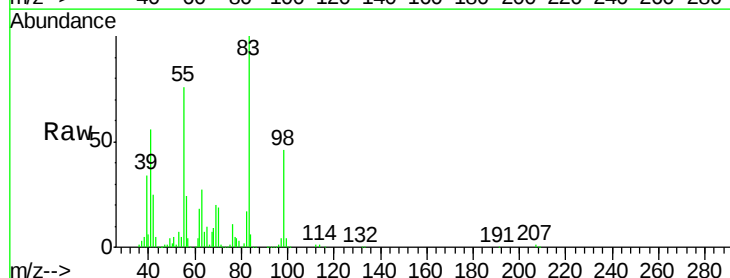


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

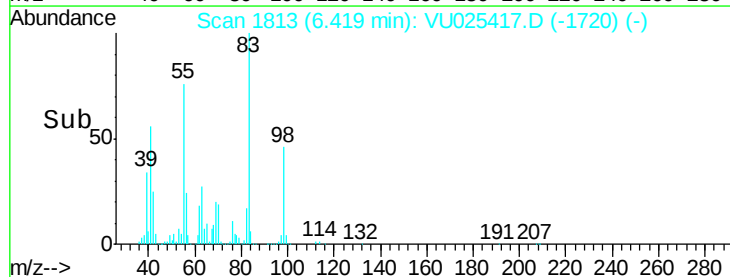
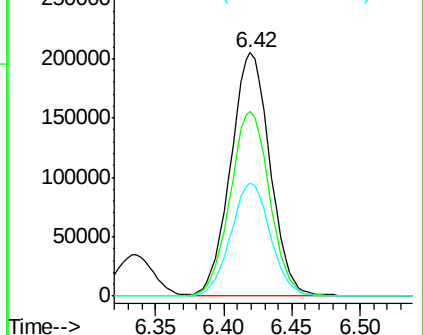


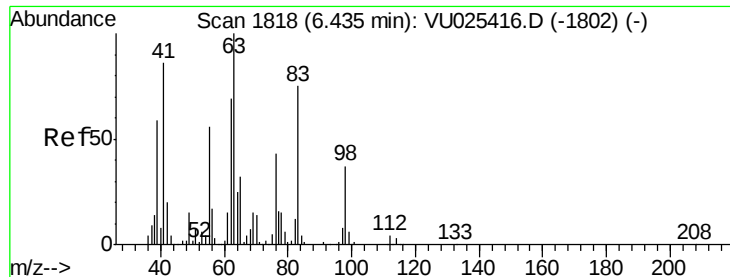
#35
 Methylcyclohexane
 Concen: 86.672 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion:	83	Resp:	407022
Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.6	90.8
98	47.2	37.6	56.4



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

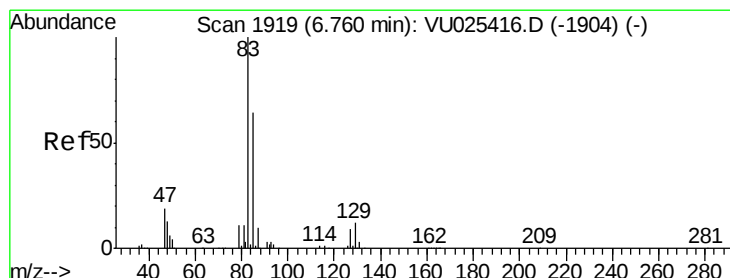
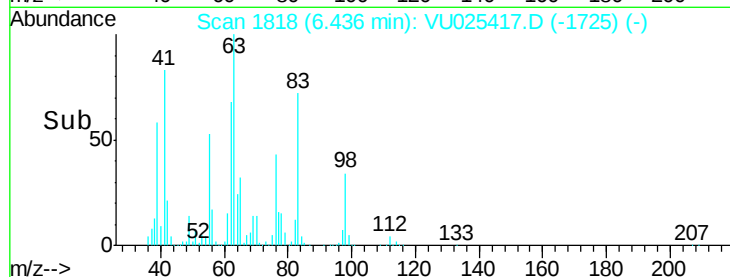
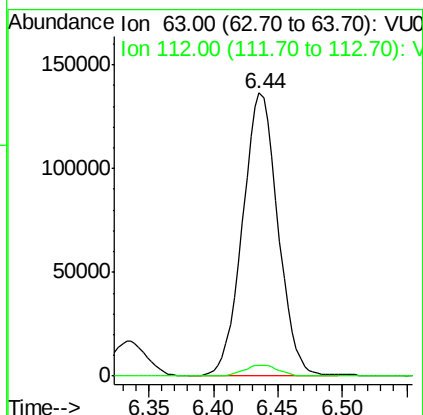
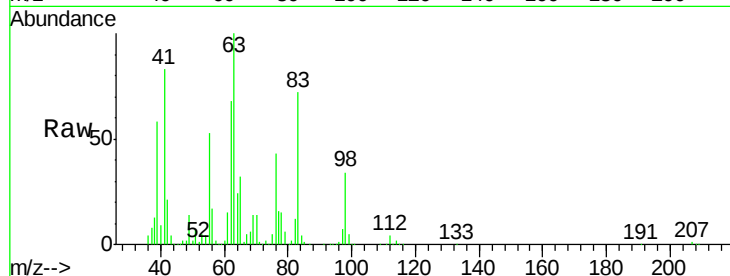




#37
 1,2-Dichloropropane
 Concen: 91.070 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

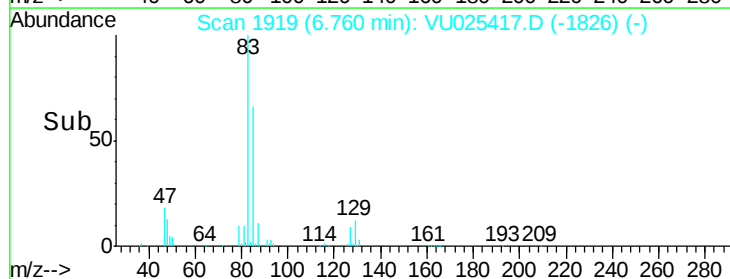
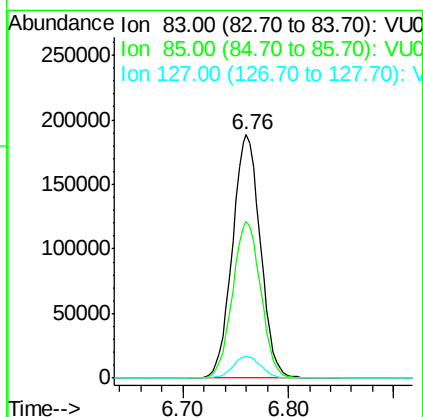
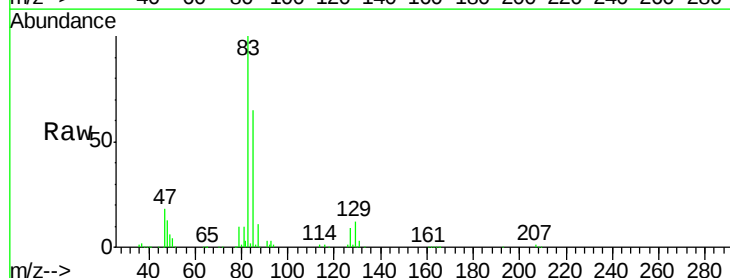
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

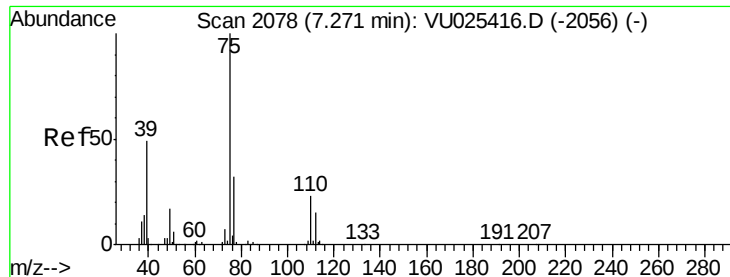
Tgt Ion: 63 Resp: 260058
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#38
 Bromodichloromethane
 Concen: 91.593 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion: 83 Resp: 344770
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.0 83.6
 127 9.1 7.4 11.0

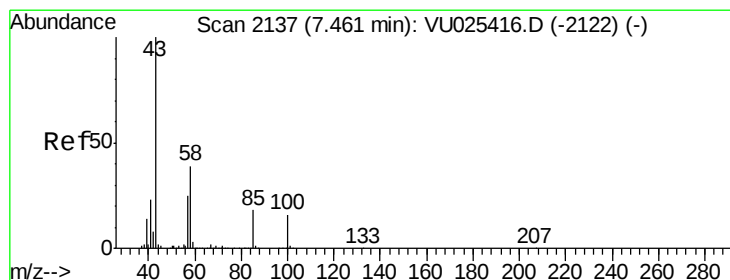
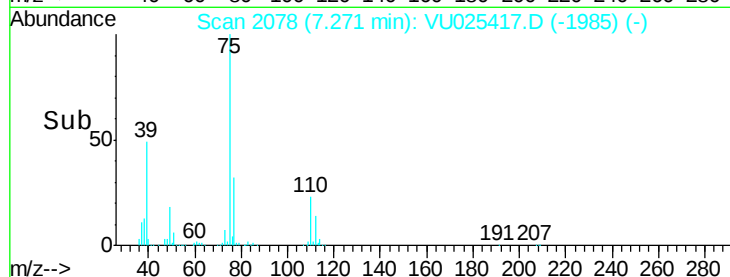
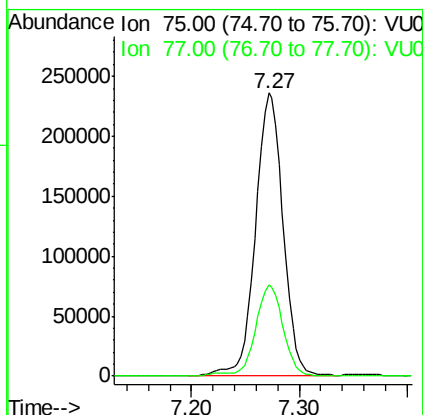
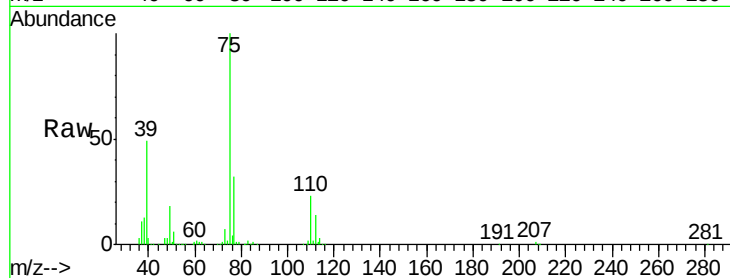




#39
 cis-1,3-Dichloropropene
 Concen: 93.148 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

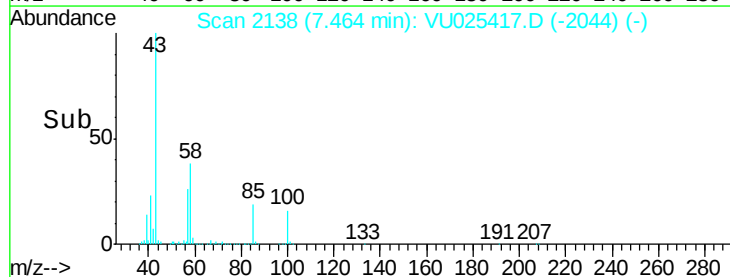
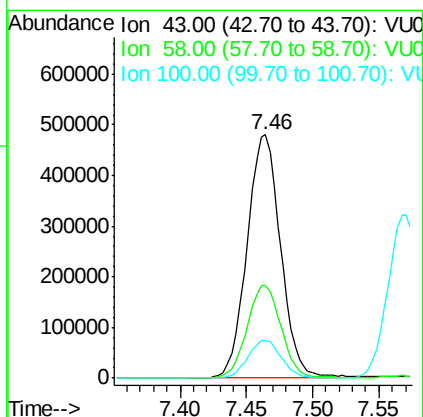
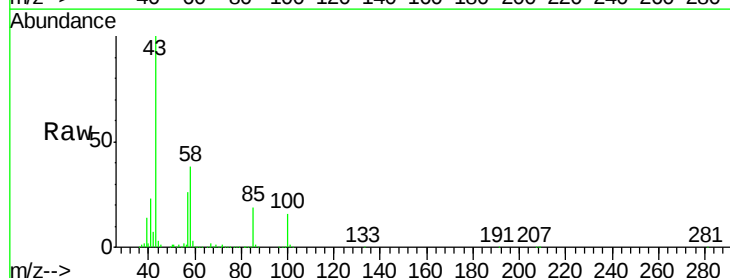
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10054

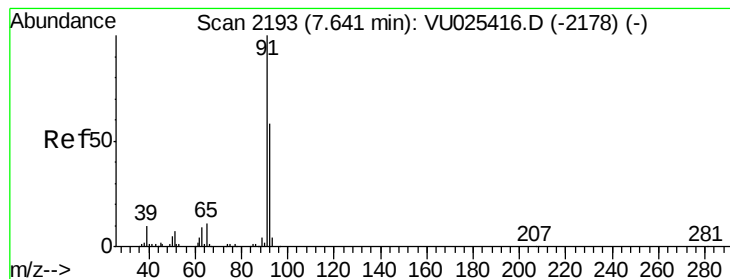
Tgt Ion: 75 Resp: 418313
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 201.753 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion: 43 Resp: 842980
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 15.5 12.5 18.7





#42

Toluene

Concen: 91.021 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

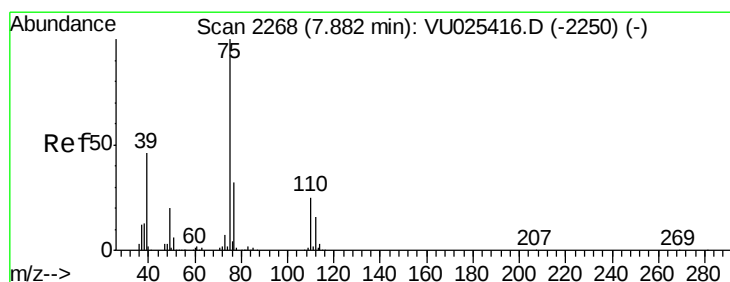
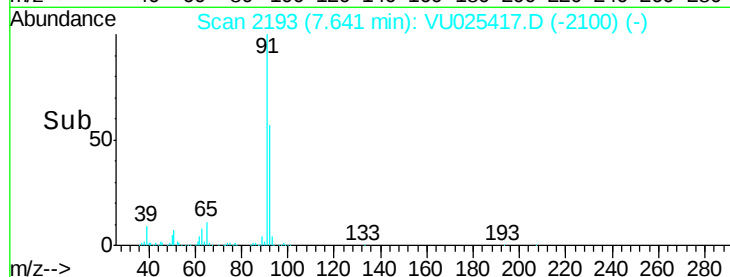
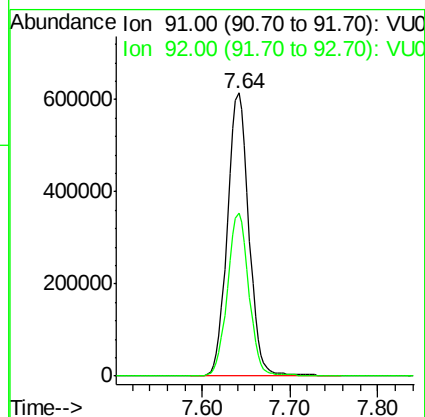
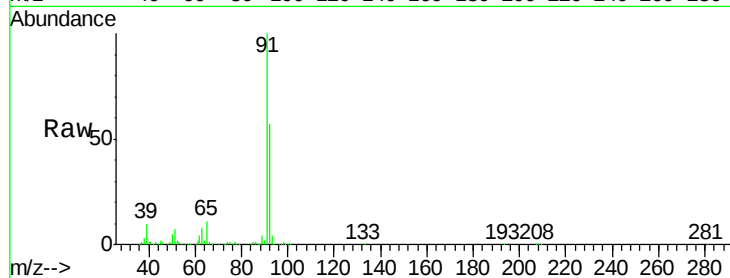
VSTD10054

Tgt Ion: 91 Resp: 1051858

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 94.183 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025417.D

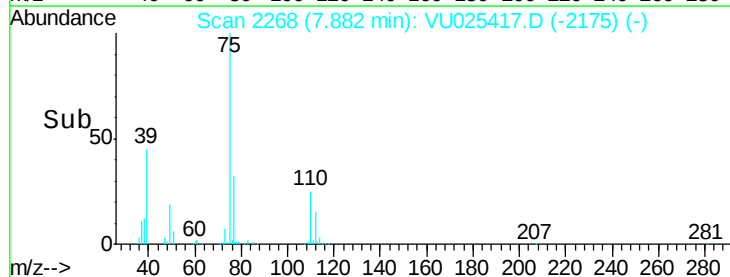
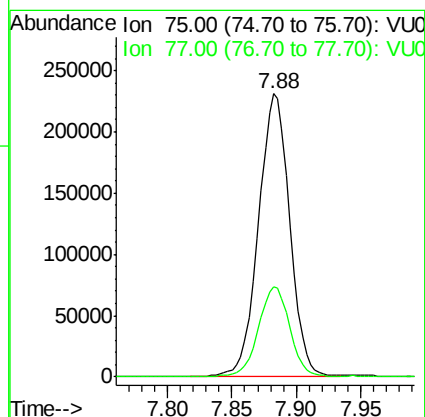
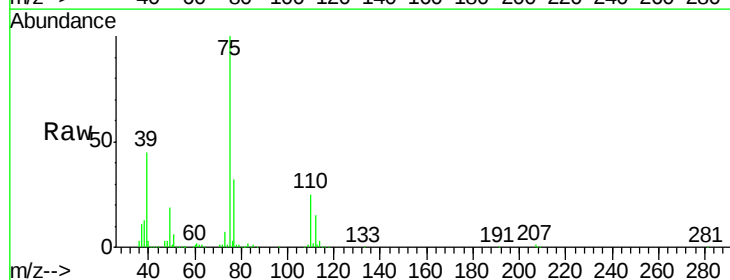
Acq: 16 Jul 2018 11:13

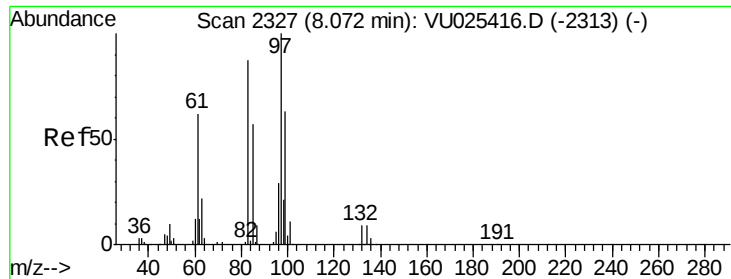
Tgt Ion: 75 Resp: 391968

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6

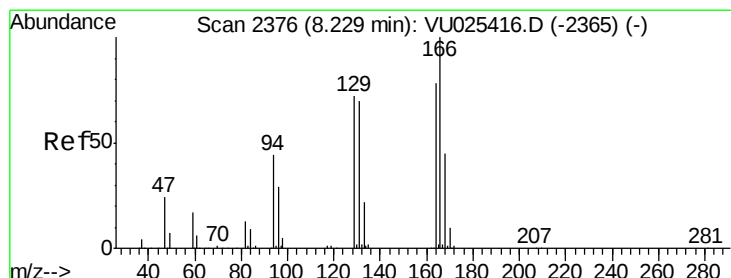
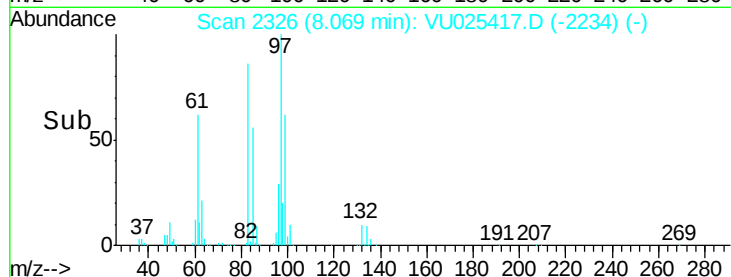
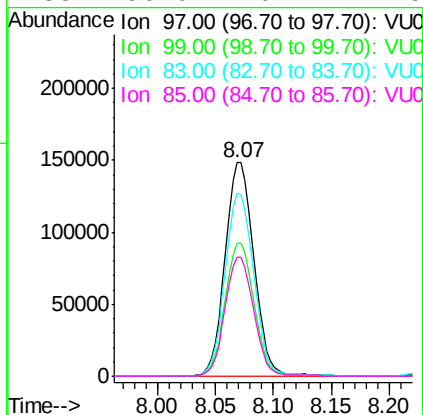
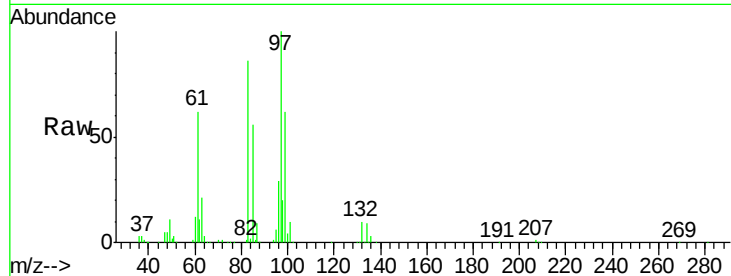




#45
1,1,2-Trichloroethane
Concen: 94.000 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

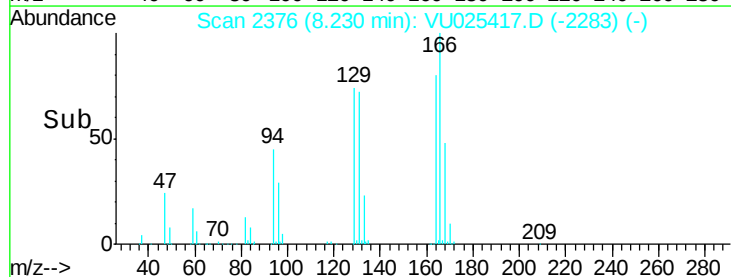
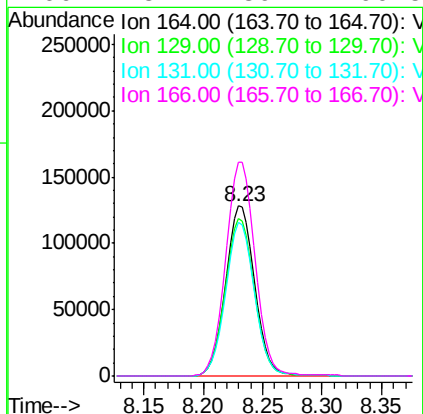
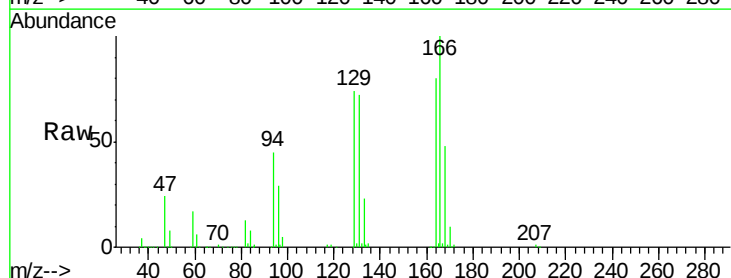
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

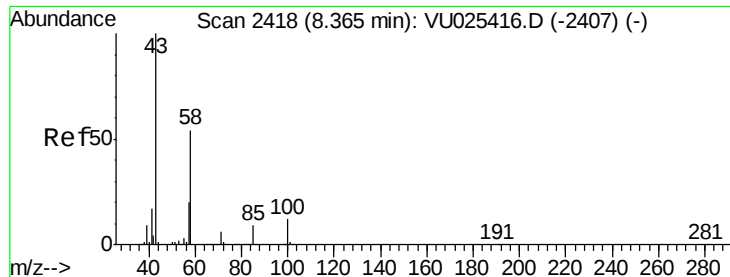
Tgt Ion:	97	Resp:	255666
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	85.9	61.0	113.2
85	56.0	40.1	74.5



#46
Tetrachloroethene
Concen: 91.332 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion:	164	Resp:	217997
Ion	Ratio	Lower	Upper
164	100		
129	92.8	64.7	120.1
131	90.1	63.1	117.3
166	125.2	89.7	166.5

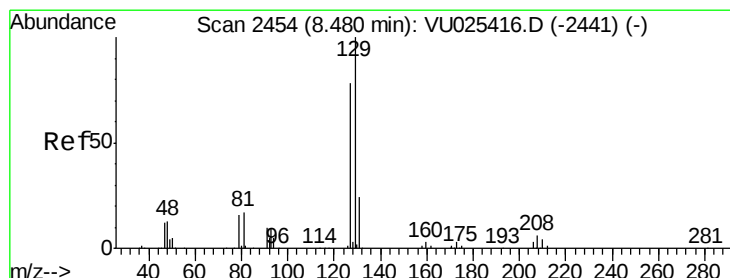
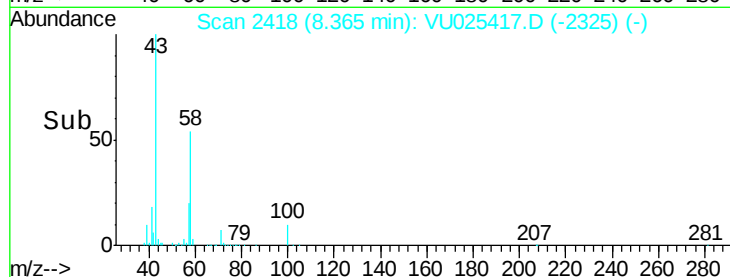
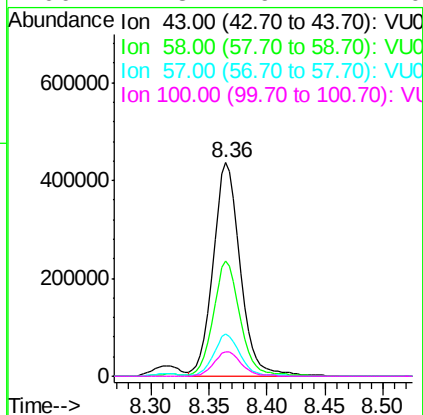
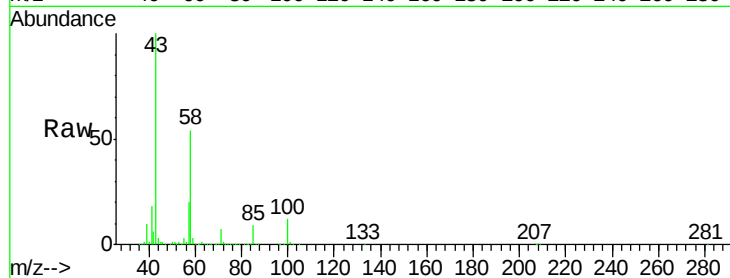




#48
2-Hexanone
Concen: 212.049 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

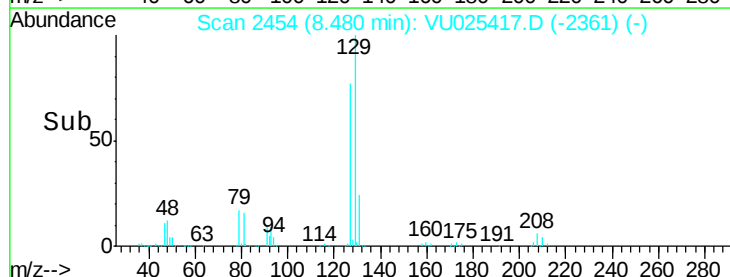
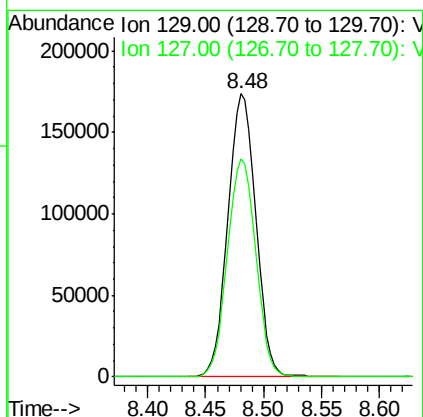
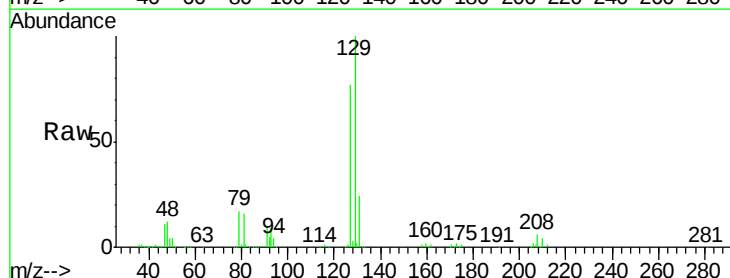
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

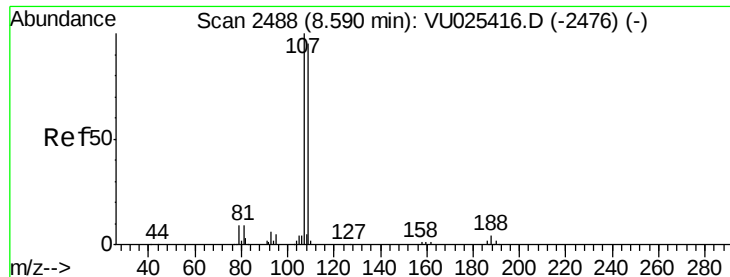
Tgt Ion:	43	Resp:	713310
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.0	64.4
57	19.4	15.8	23.6
100	11.8	9.4	14.0



#49
Dibromochloromethane
Concen: 91.881 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion:	129	Resp:	289403
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.4	101.0

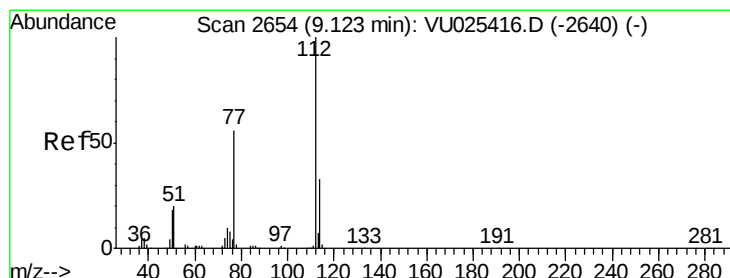
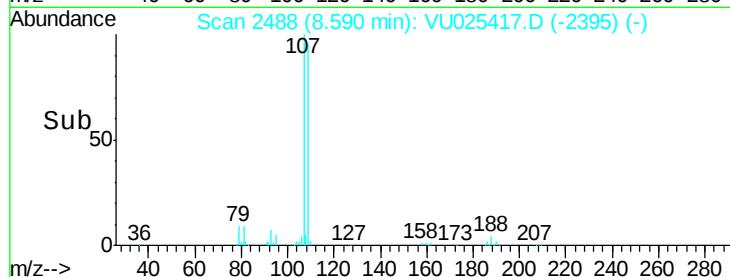
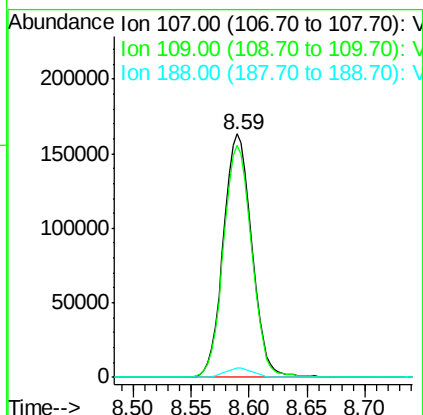
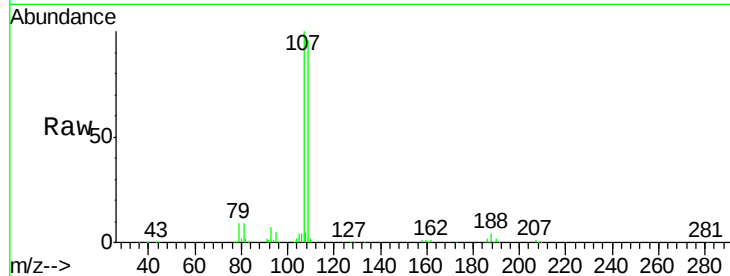




#50
 1,2-Dibromoethane
 Concen: 91.580 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

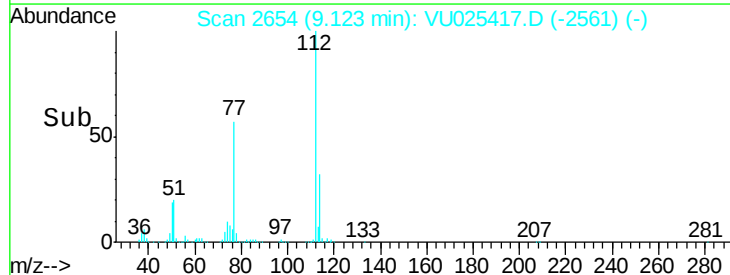
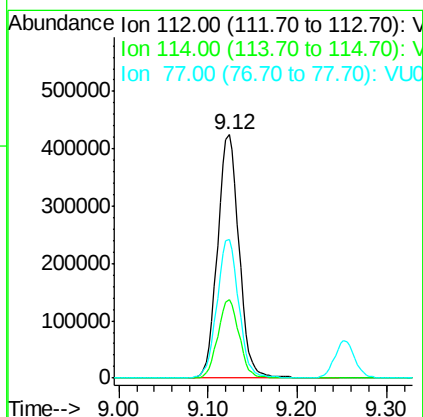
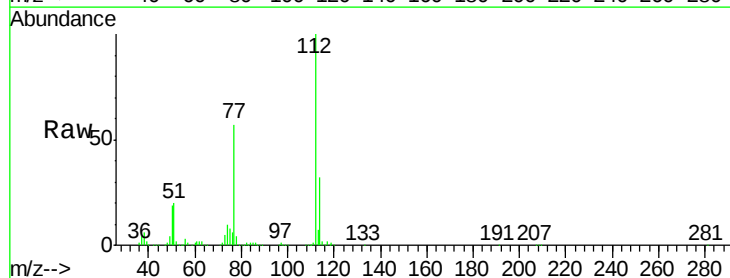
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

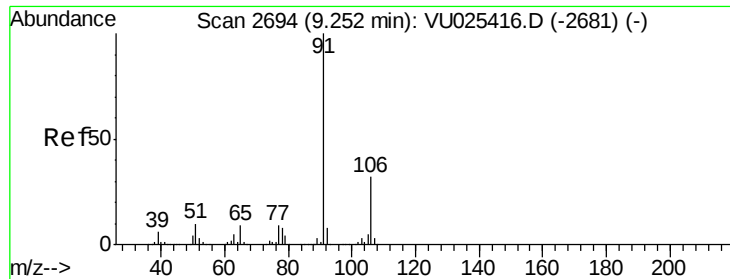
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	66.8	124.2
188	3.9	3.6	5.4



#51
 Chlorobenzene
 Concen: 91.887 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.8	42.4
77	57.0	45.5	68.3





#52

Ethylbenzene

Concen: 92.528 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

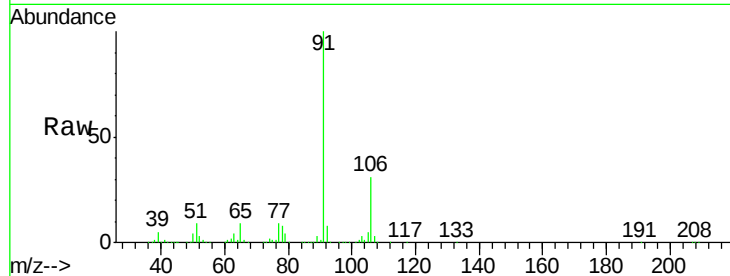
VSTD10054

Tgt Ion: 91 Resp: 1200794

Ion Ratio Lower Upper

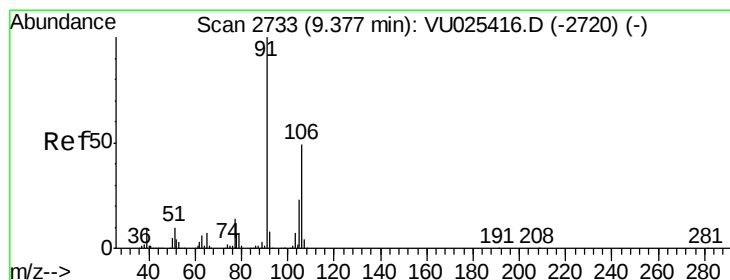
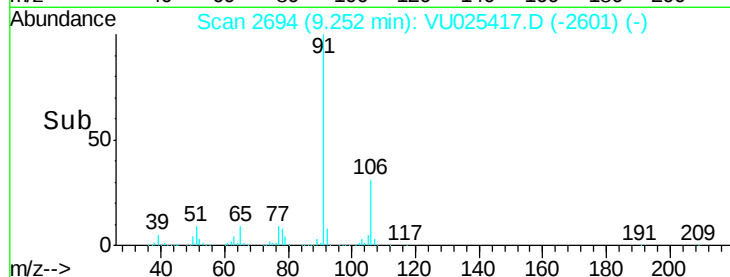
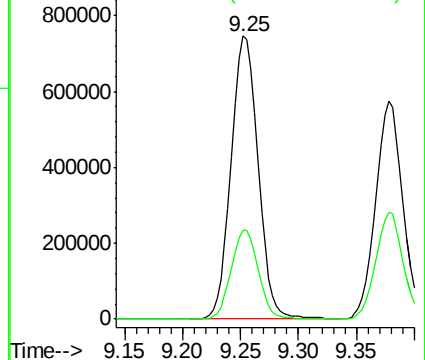
91 100

106 31.4 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 92.982 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025417.D

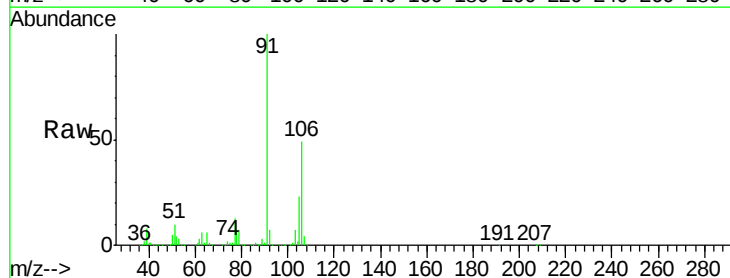
Acq: 16 Jul 2018 11:13

Tgt Ion: 106 Resp: 467147

Ion Ratio Lower Upper

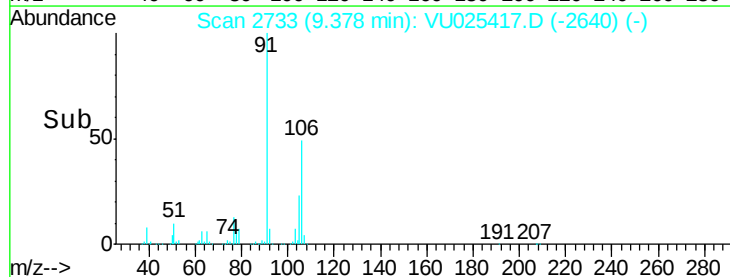
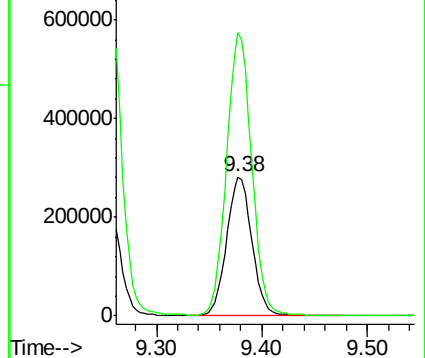
106 100

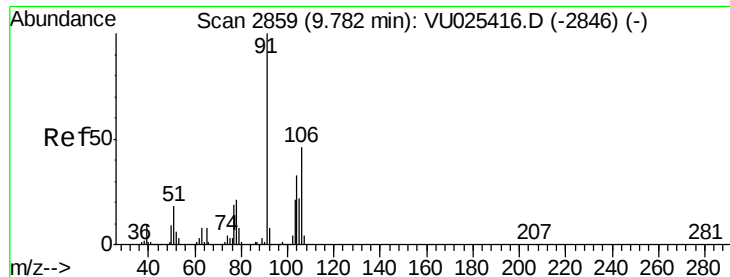
91 203.3 141.8 263.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

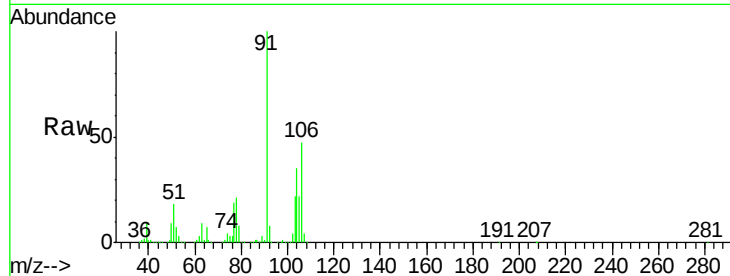




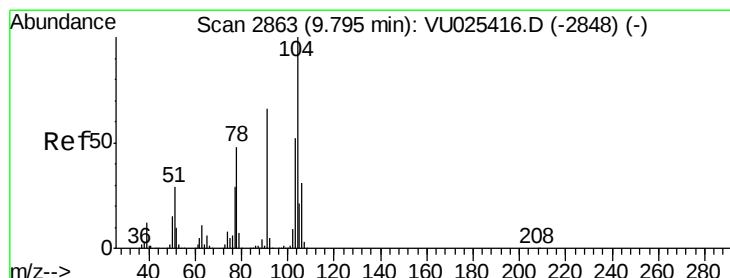
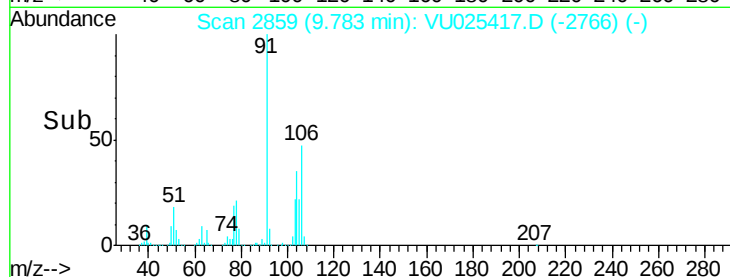
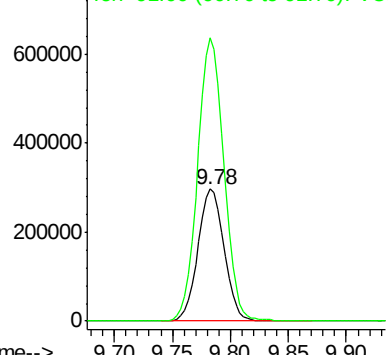
#54
o-xylene
Concen: 92.766 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

Tgt Ion:106 Resp: 467128
Ion Ratio Lower Upper
106 100
91 214.0 151.3 281.1

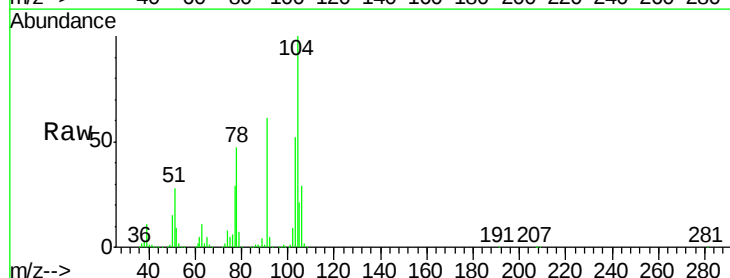


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

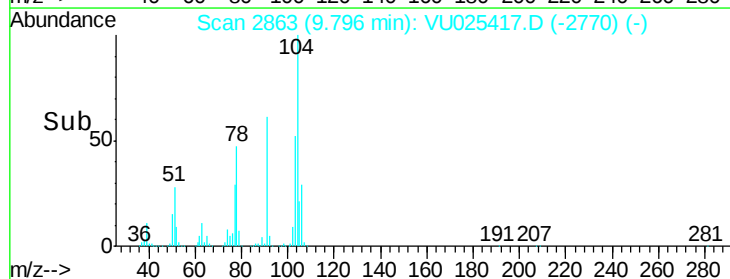
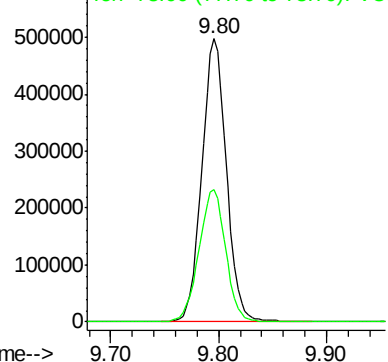


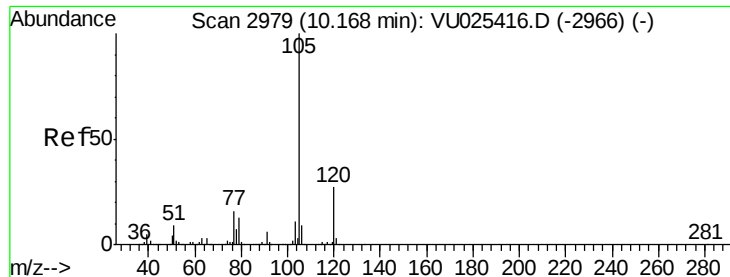
#55
Styrene
Concen: 95.674 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025417.D
Acq: 16 Jul 2018 11:13

Tgt Ion:104 Resp: 789412
Ion Ratio Lower Upper
104 100
78 46.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 92.863 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

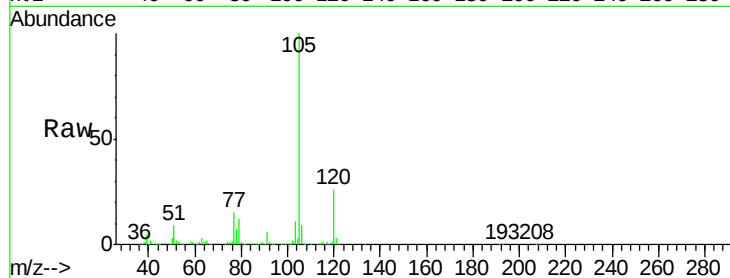
Tgt Ion:105 Resp: 1226348

Ion Ratio Lower Upper

105 100

120 26.7 21.7 32.5

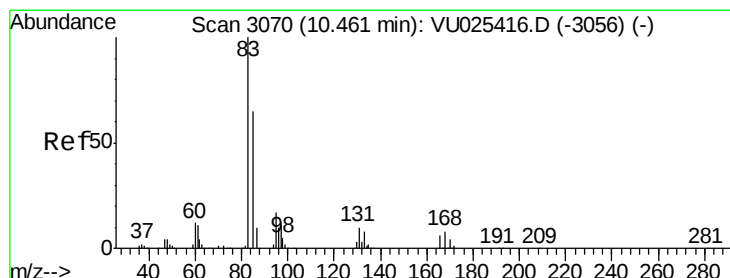
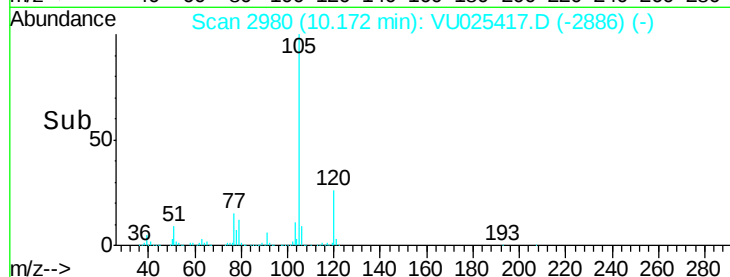
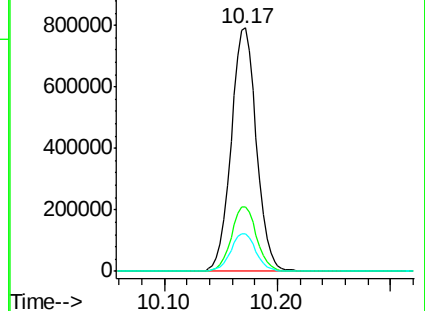
77 15.7 12.6 19.0



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: 99.826 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

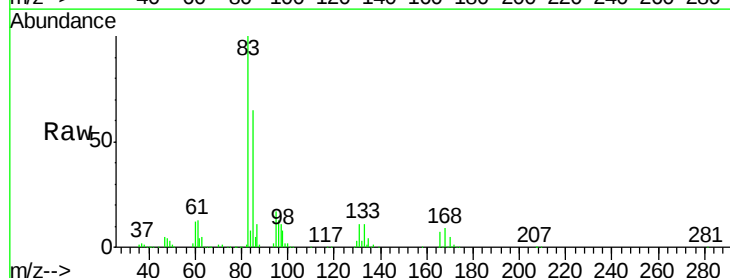
Tgt Ion: 83 Resp: 459228

Ion Ratio Lower Upper

83 100

85 64.5 45.9 85.3

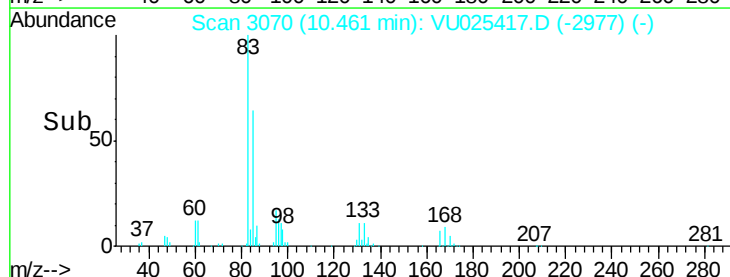
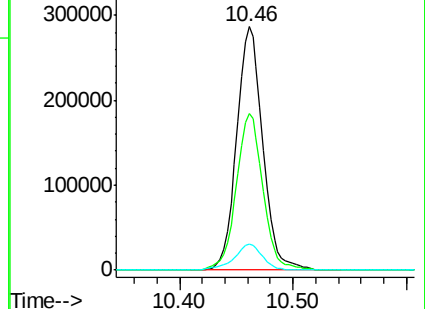
131 10.7 8.6 13.0

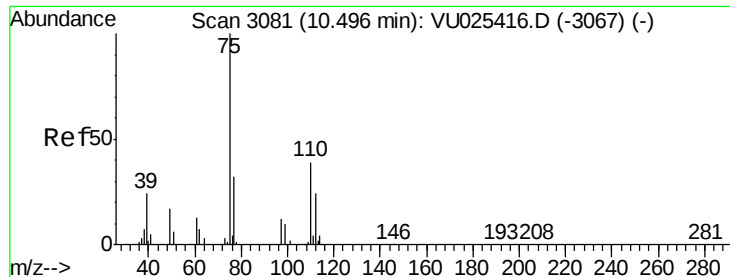


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

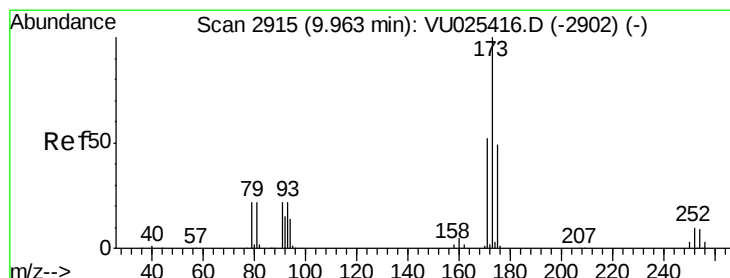
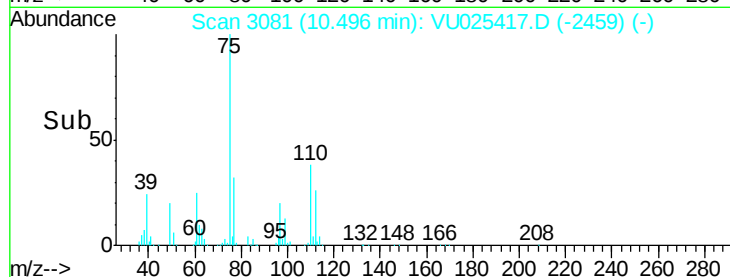
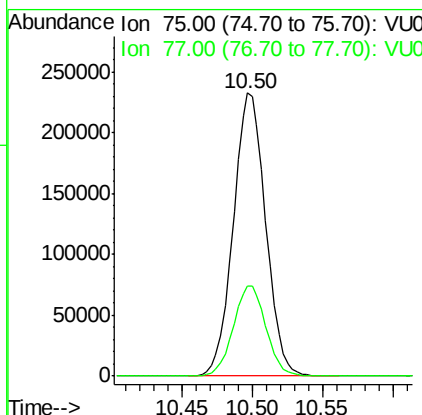
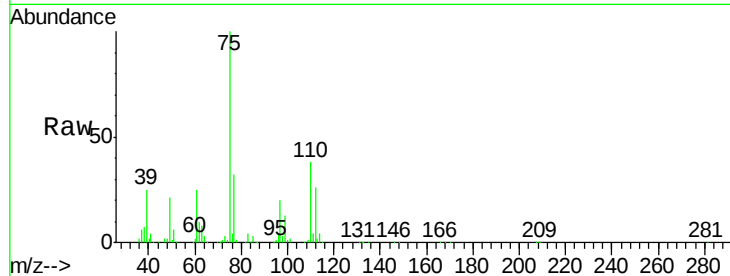




#59
 1,2,3-Trichloropropane
 Concen: 99.617 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

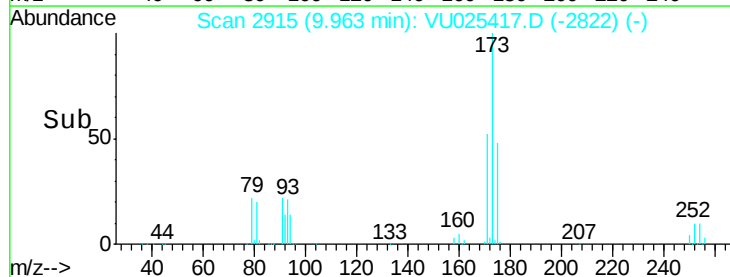
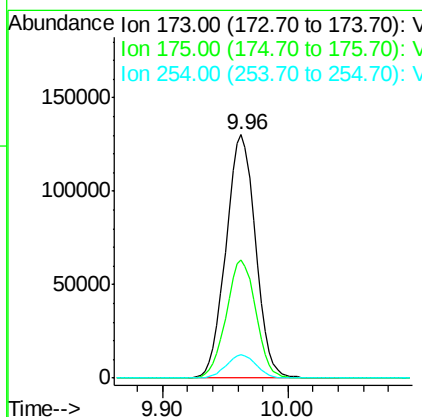
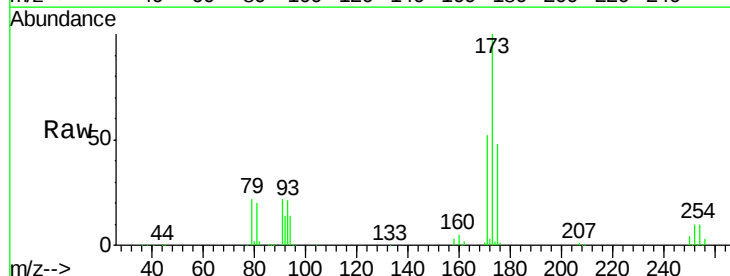
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

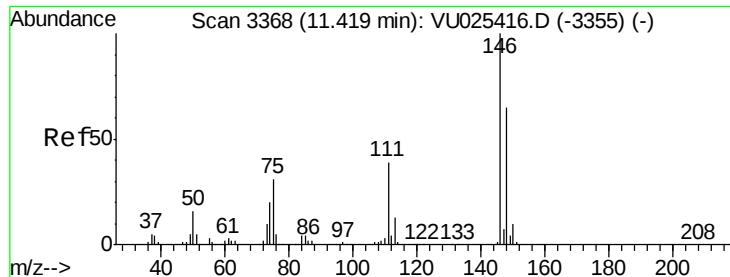
Tgt Ion: 75 Resp: 373279
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 88.216 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025417.D
 Acq: 16 Jul 2018 11:13

Tgt Ion: 173 Resp: 212980
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.2 57.2
 254 9.6 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 92.618 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

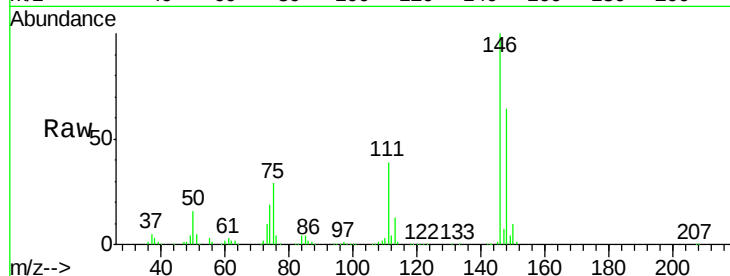
Tgt Ion:146 Resp: 583843

Ion Ratio Lower Upper

146 100

111 39.0 27.4 51.0

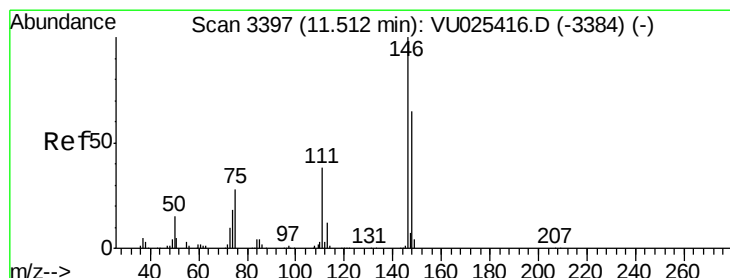
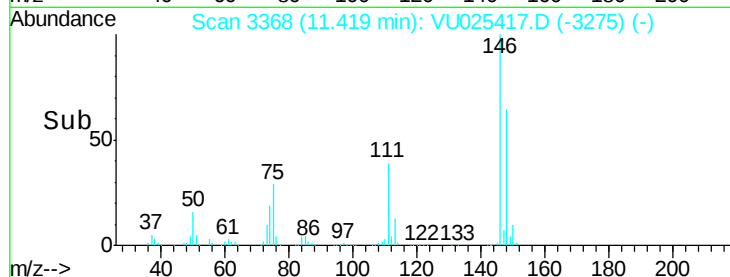
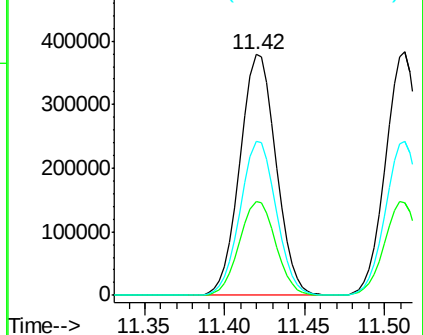
148 63.8 45.1 83.9



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: 92.734 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

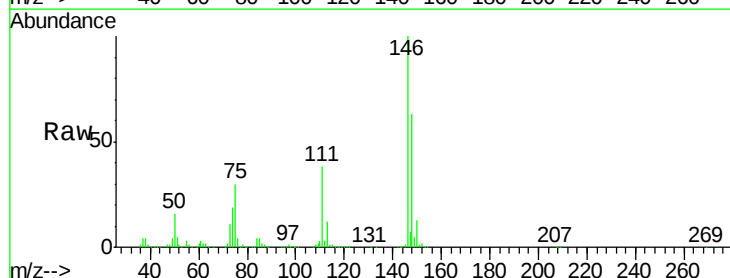
Tgt Ion:146 Resp: 586871

Ion Ratio Lower Upper

146 100

111 38.1 26.6 49.4

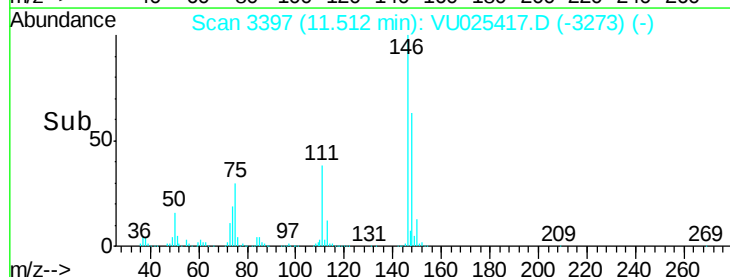
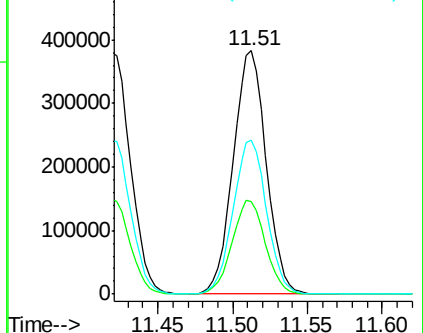
148 63.2 45.6 84.6

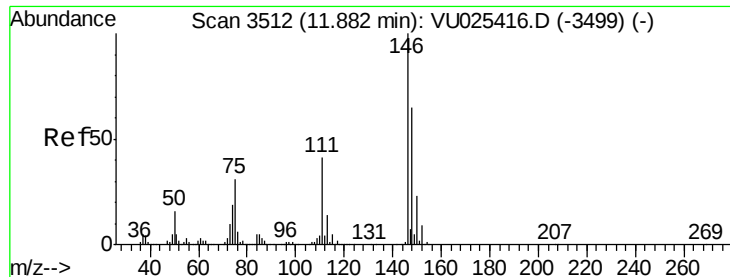


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 91.862 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

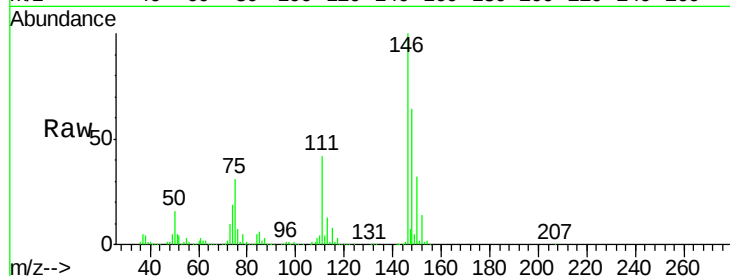
Tgt Ion:146 Resp: 609743

Ion Ratio Lower Upper

146 100

111 41.5 33.0 49.4

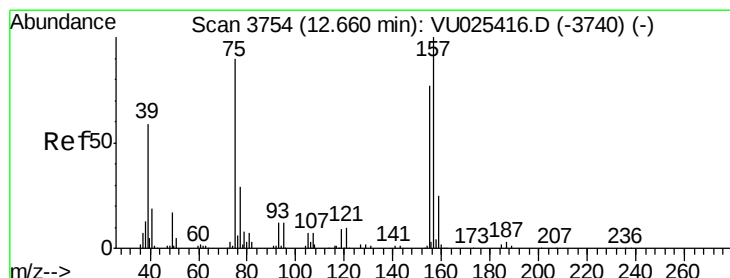
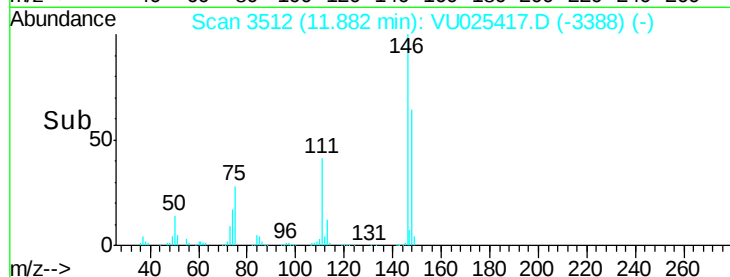
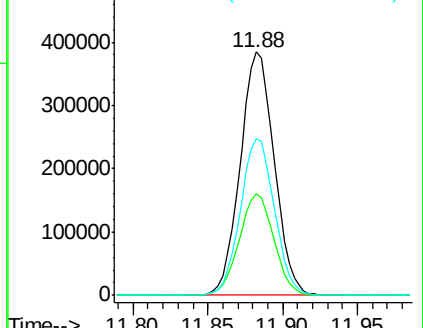
148 64.4 51.8 77.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 99.008 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

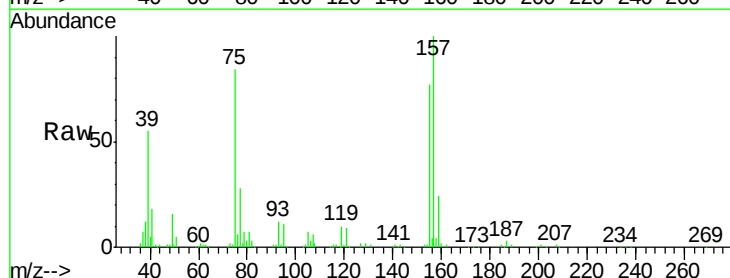
Tgt Ion: 75 Resp: 110188

Ion Ratio Lower Upper

75 100

155 92.1 68.7 103.1

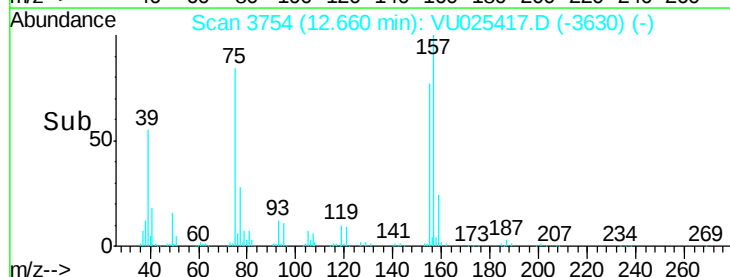
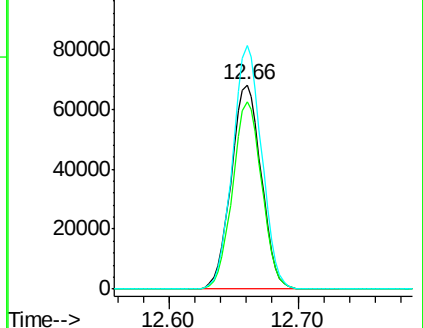
157 119.3 89.0 133.4

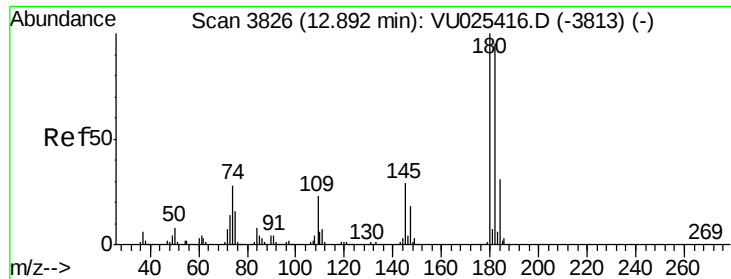


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 94.796 ug/L

RT: 12.89 min Scan# 3826

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

Tgt Ion:180 Resp: 443739

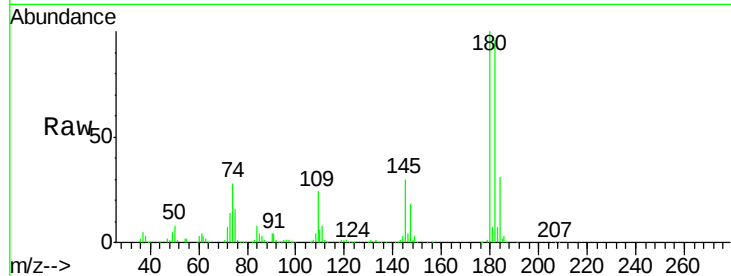
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 30.6 24.6 36.8

145 29.5 23.3 34.9

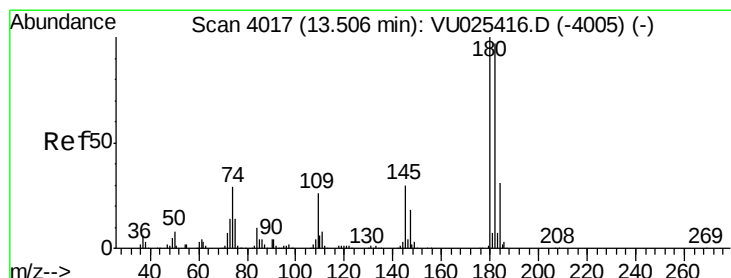
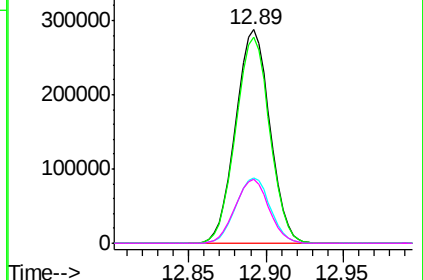
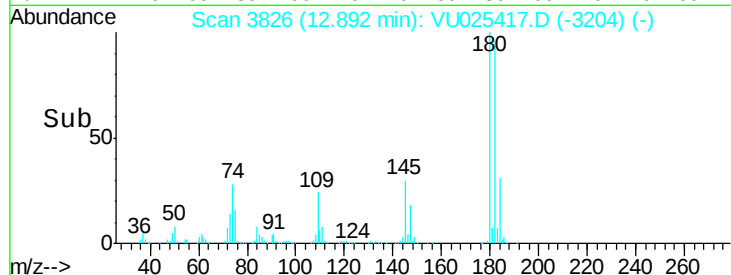


Abundance Ion 180.00 (179.70 to 180.70): V

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: 99.492 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

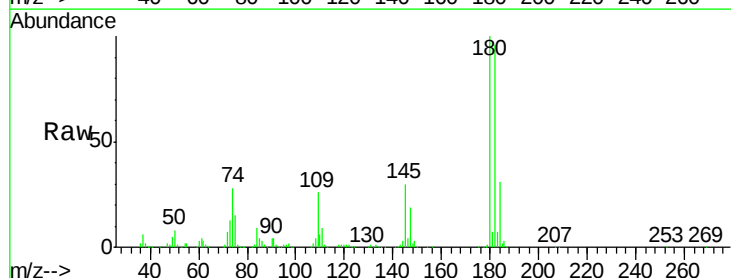
Tgt Ion:180 Resp: 390386

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

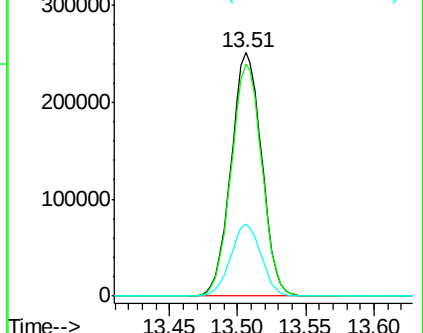
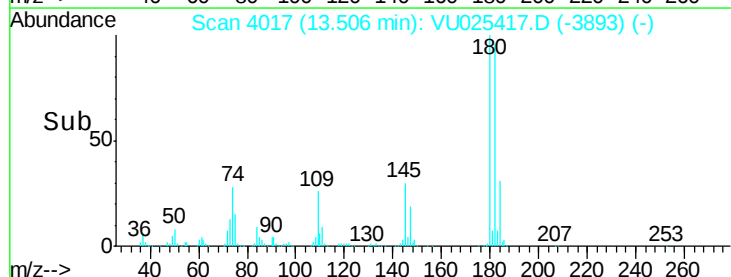
145 29.6 24.2 36.2

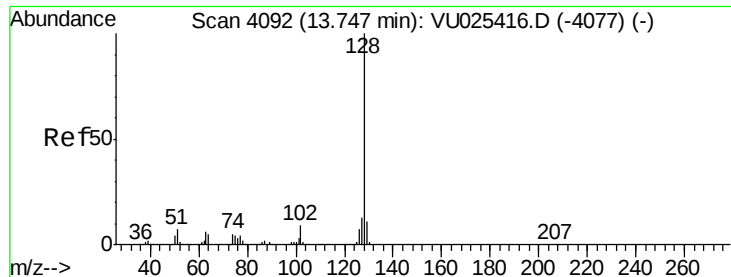


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 104.061 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

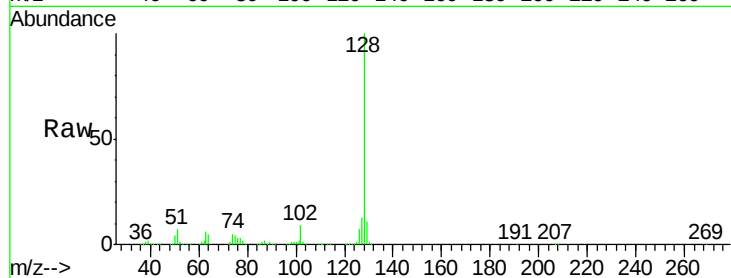
Tgt Ion:128 Resp: 1378855

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

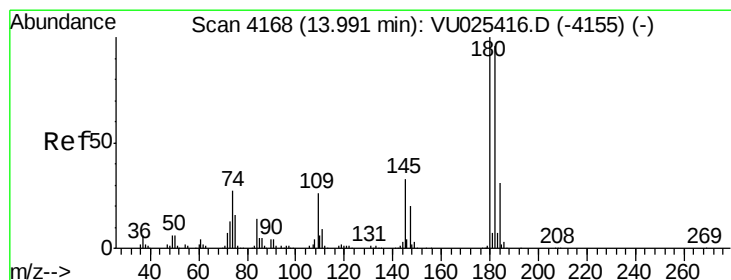
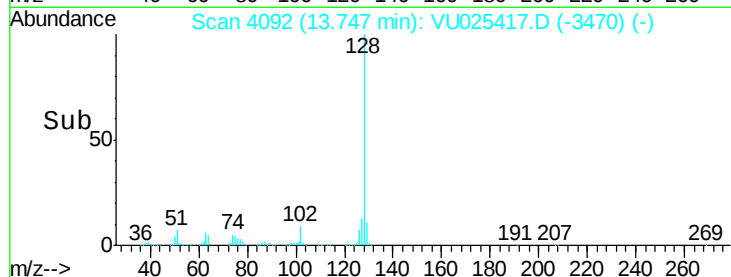
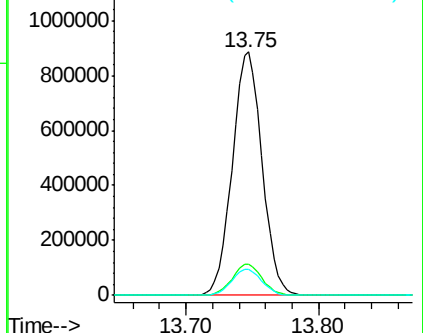
129 10.9 8.6 13.0



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: 97.693 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025417.D

Acq: 16 Jul 2018 11:13

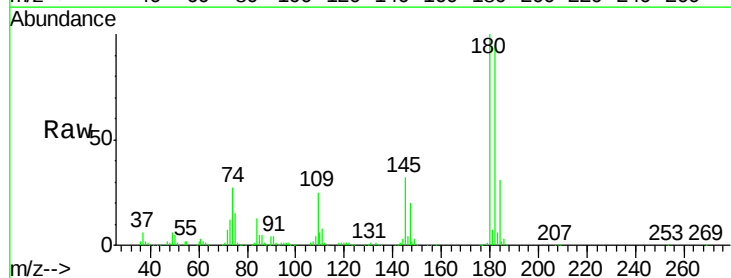
Tgt Ion:180 Resp: 414197

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

145 31.8 25.4 38.2



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

