

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025419.D
 Acq On : 16 Jul 2018 12:03
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

Quant Time: Jul 17 02:27:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:25:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	347521	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	323845	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	160283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88339	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.54%
7) Chloroethane-d5	1.67	69	74392	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.98%
11) 1,1-Dichloroethene-d2	2.28	63	184424	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
21) 2-Butanone-d5	4.18	46	211217	111.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.87%
24) Chloroform-d	4.65	84	223948	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
26) 1,2-Dichloroethane-d4	5.31	65	155551	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.35	84	412676	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.34	67	137284	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	7.57	98	401147	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%
43) trans-1,3-Dichloropropene-	7.85	79	68591	51.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.74%
47) 2-Hexanone-d5	8.31	63	152558	108.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.67%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	216628	53.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	174810	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	136073	44.699	ug/L 99
3) Chloromethane	1.33	50	150468	46.243	ug/L 97
5) Vinyl chloride	1.40	62	122152	46.035	ug/L 99
6) Bromomethane	1.62	94	36533	51.720	ug/L 95
8) Chloroethane	1.69	64	73844	47.356	ug/L 99
9) Trichlorofluoromethane	1.89	101	159593	43.724	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	99689	44.355	ug/L 99
12) 1,1-Dichloroethene	2.28	96	92065	45.137	ug/L 98
13) Acetone	2.32	43	157102	79.041	ug/L 98
14) Carbon disulfide	2.48	76	297442	46.383	ug/L 99
15) Methyl Acetate	2.62	43	156597	53.001	ug/L 99
16) Methylene chloride	2.70	84	130209	49.345	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	108013	47.532	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	403300	50.461	ug/L 99
19) 1,1-Dichloroethane	3.45	63	210380	47.597	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	131244	49.217	ug/L 95
22) 2-Butanone	4.27	43	234135	97.810	ug/L 100

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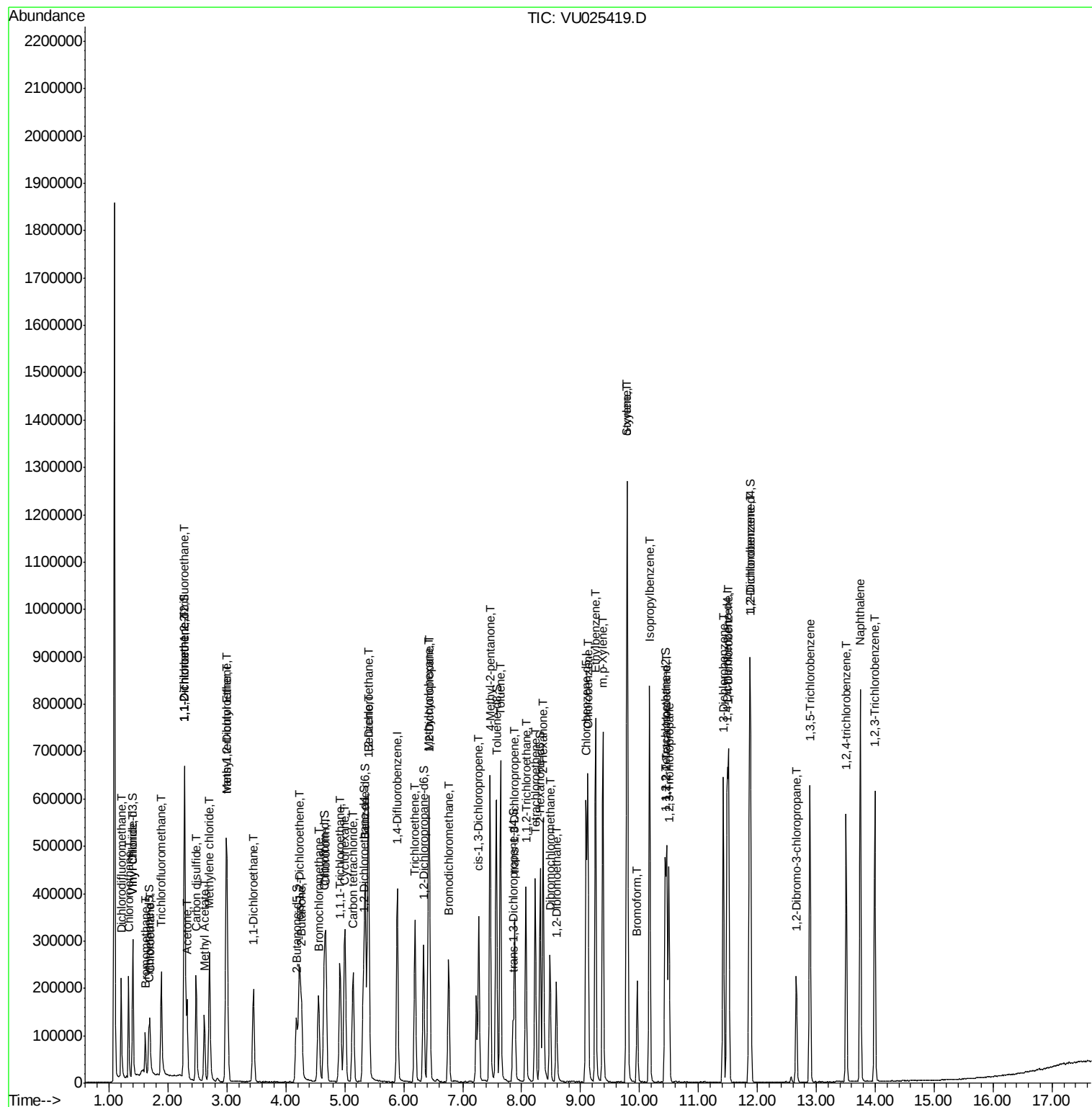
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65192	52.124	ug/L	96
25) Chloroform	4.68	83	228746	48.927	ug/L	100
27) 1,2-Dichloroethane	5.41	62	192036	49.962	ug/L	100
29) Cyclohexane	5.00	56	176232	46.308	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	197140	47.055	ug/L	99
31) Carbon tetrachloride	5.14	117	170882	46.411	ug/L	100
33) Benzene	5.39	78	459590	48.964	ug/L	100
34) Trichloroethene	6.19	95	119416	47.339	ug/L	98
35) Methylcyclohexane	6.42	83	180885	44.834	ug/L	100
37) 1,2-Dichloropropane	6.44	63	128336	49.610	ug/L	100
38) Bromodichloromethane	6.76	83	164811	49.346	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	201169	50.808	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	432415	107.116	ug/L	100
42) Toluene	7.64	91	490081	48.281	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184654	50.438	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	125830	50.591	ug/L	99
46) Tetrachloroethene	8.23	164	96873	46.339	ug/L	100
48) 2-Hexanone	8.36	43	352506	101.238	ug/L	99
49) Dibromochloromethane	8.48	129	136964	51.129	ug/L	96
50) 1,2-Dibromoethane	8.59	107	140087	51.883	ug/L	100
51) Chlorobenzene	9.12	112	334917	48.197	ug/L	99
52) Ethylbenzene	9.25	91	545146	47.194	ug/L	98
53) m,p-Xylene	9.38	106	212430	47.946	ug/L	100
54) o-xylene	9.78	106	218093	48.579	ug/L	99
55) Styrene	9.80	104	363656	49.502	ug/L	99
56) Isopropylbenzene	10.17	105	544317	46.897	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	225290	51.121	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	184670	50.767	ug/L	100
61) Bromoform	9.96	173	95482	51.532	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	259606	48.807	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261220	48.953	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	279451	49.825	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	53081	54.439	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	192531	48.404	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	174855	50.828	ug/L	99
69) Naphthalene	13.75	128	650249	54.251	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	189036	51.129	ug/L	100

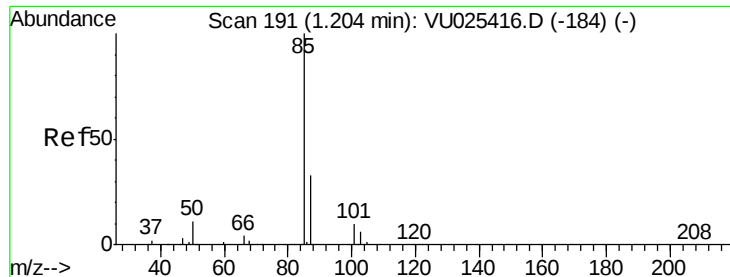
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.699 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

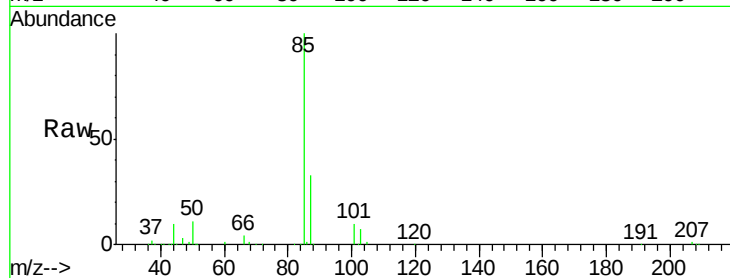
VICV56

Tgt Ion: 85 Resp: 136073

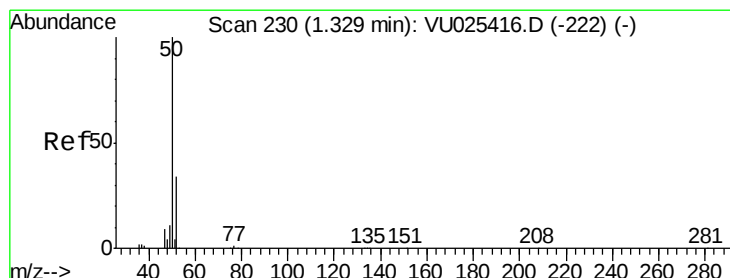
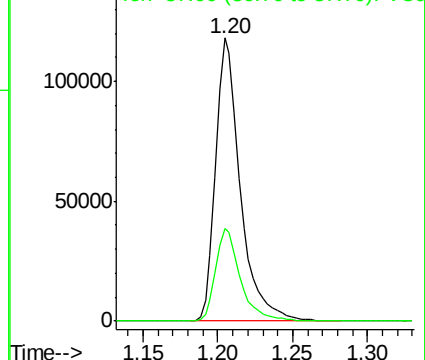
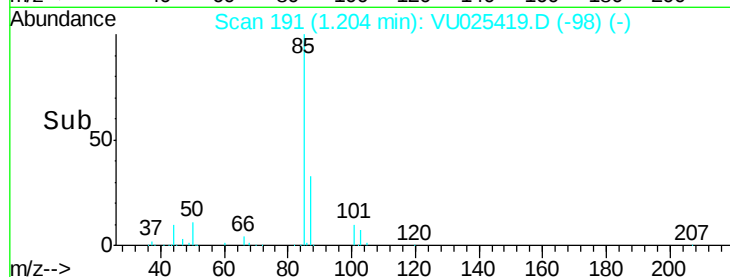
Ion Ratio Lower Upper

85 100

87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU025419.D (-98) (-)



#3

Chloromethane

Concen: 46.243 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025419.D

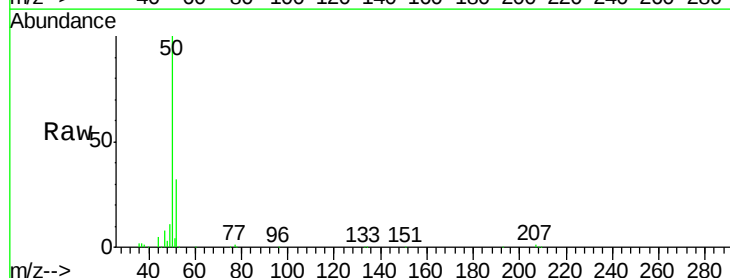
Acq: 16 Jul 2018 12:03

Tgt Ion: 50 Resp: 150468

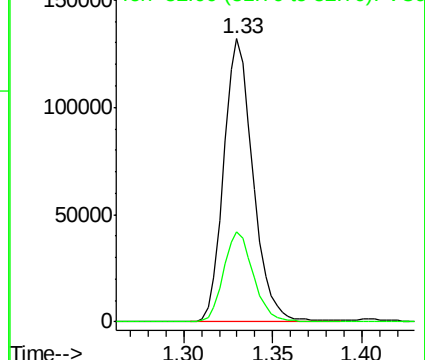
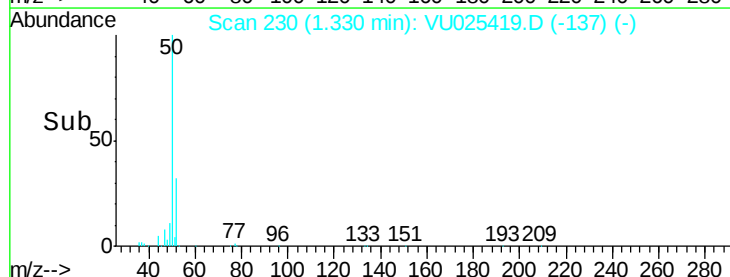
Ion Ratio Lower Upper

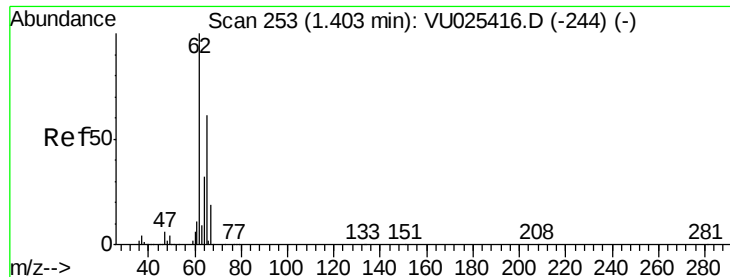
50 100

52 31.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU025419.D (-137) (-)





#5

Vinyl chloride

Concen: 46.035 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

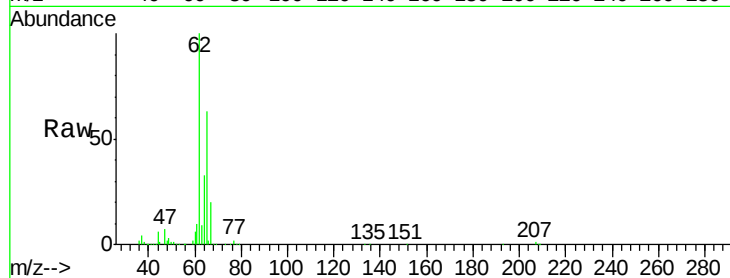
VICV56

Tgt Ion: 62 Resp: 122152

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

120000

100000

80000

60000

40000

20000

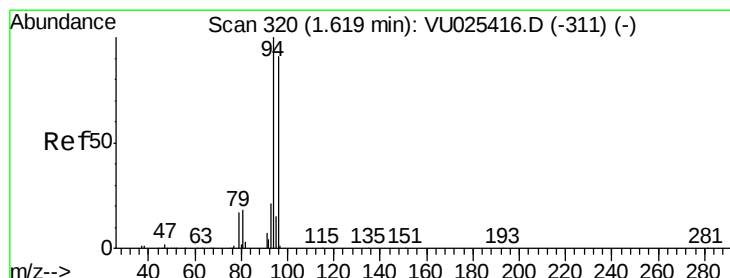
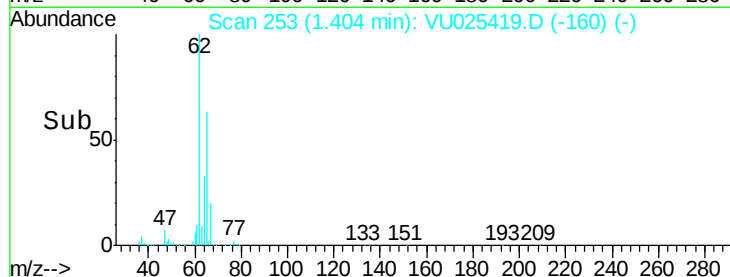
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 51.720 ug/L

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025419.D

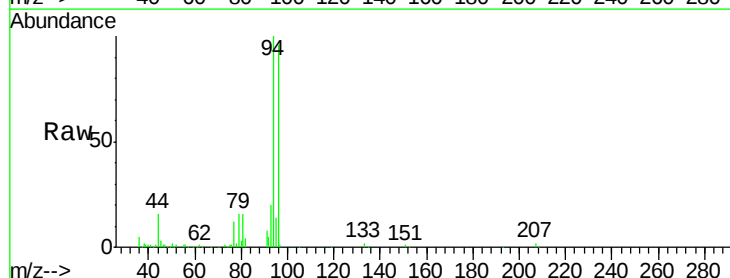
Acq: 16 Jul 2018 12:03

Tgt Ion: 94 Resp: 36533

Ion Ratio Lower Upper

94 100

96 96.1 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

30000

20000

10000

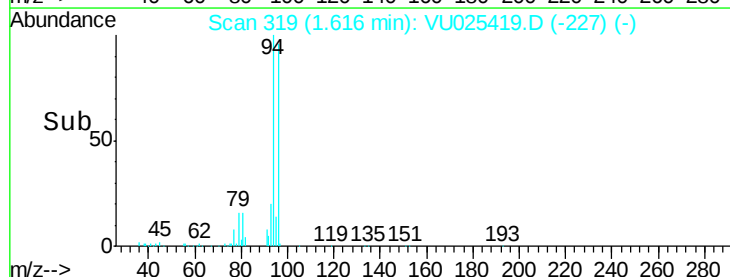
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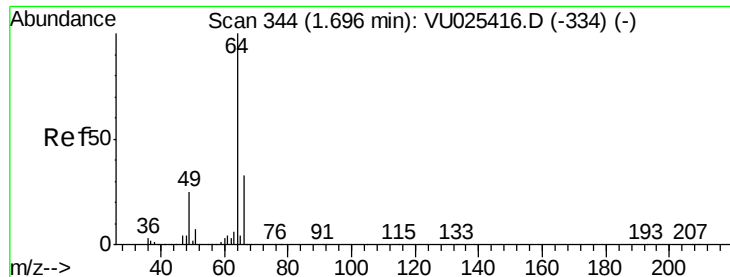
1.60

1.62

1.65

Time-->





#8

Chloroethane

Concen: 47.356 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

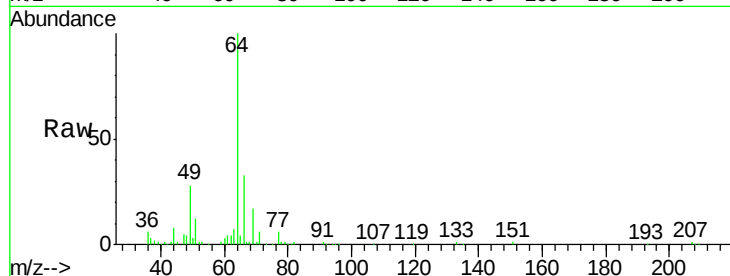
VICV56

Tgt Ion: 64 Resp: 73844

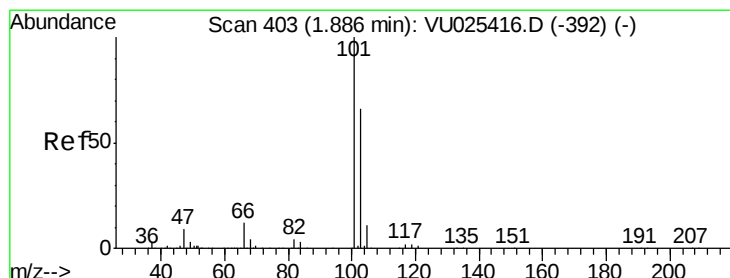
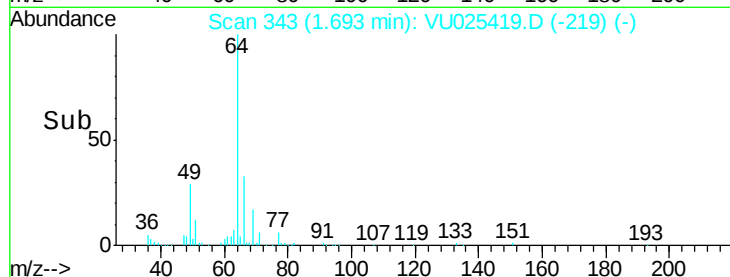
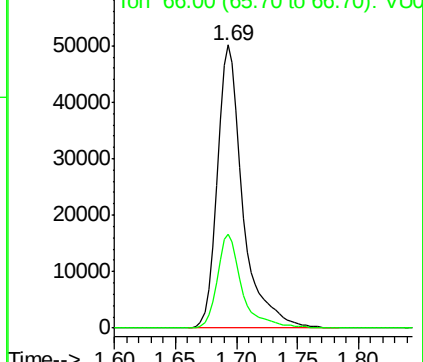
Ion Ratio Lower Upper

64 100

66 33.4 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU025419.D (-219) (-)



#9

Trichlorofluoromethane

Concen: 43.724 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025419.D

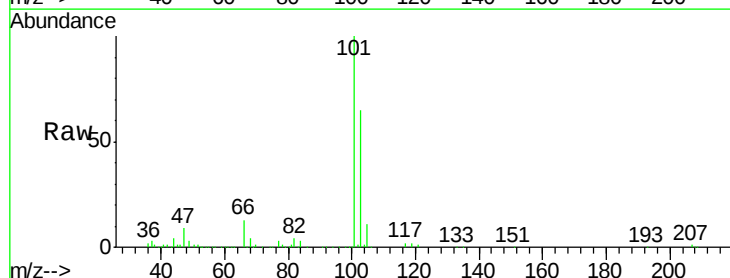
Acq: 16 Jul 2018 12:03

Tgt Ion: 101 Resp: 159593

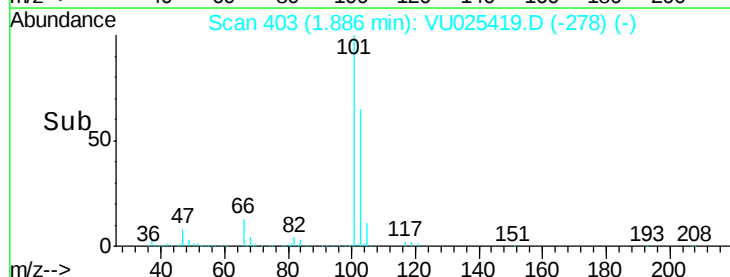
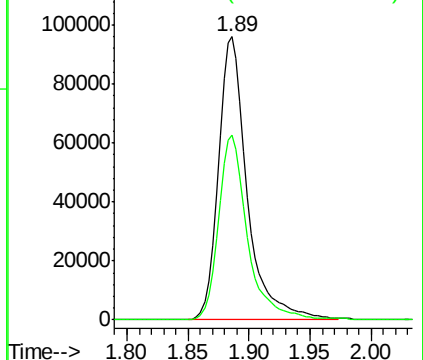
Ion Ratio Lower Upper

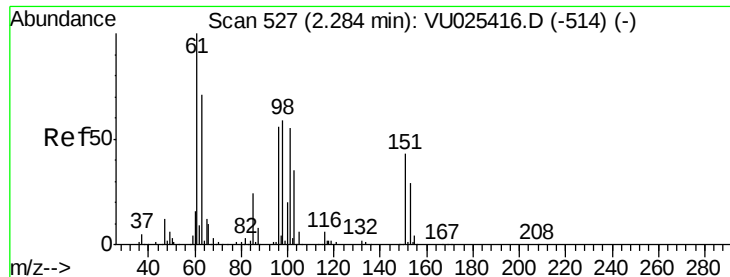
101 100

103 66.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025419.D (-278) (-)





#10

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

Concen: 44.355 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

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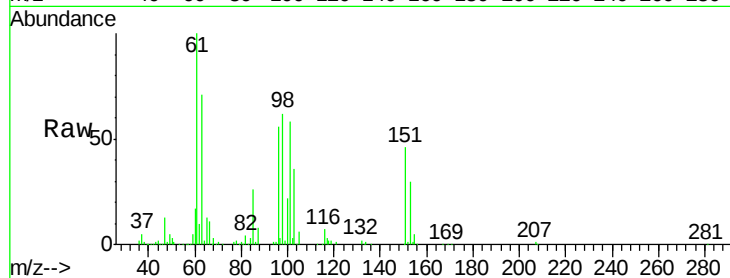
Tgt Ion:101 Resp: 99689

Ion Ratio Lower Upper

101 100

85 44.0 34.7 52.1

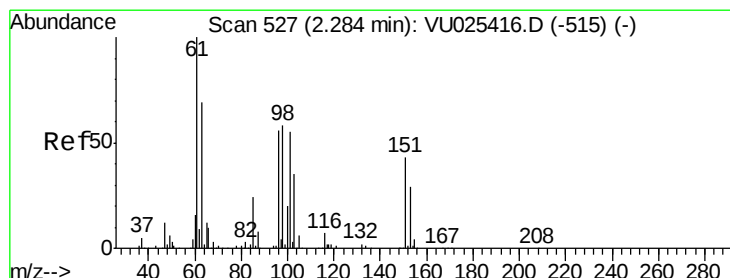
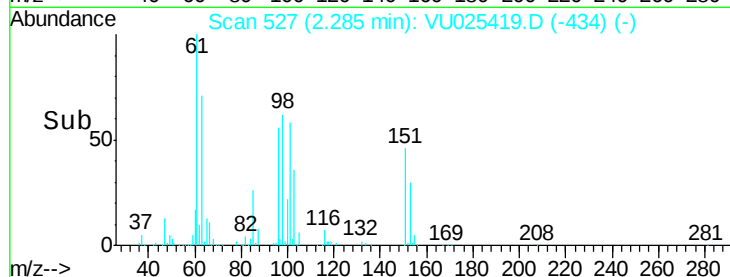
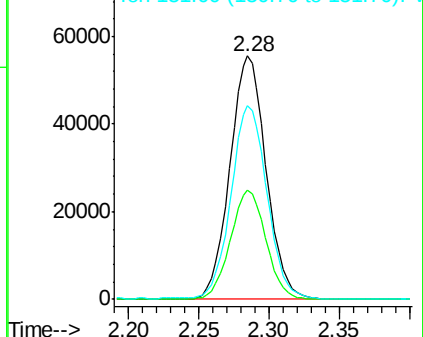
151 79.0 64.4 96.6



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: 45.137 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

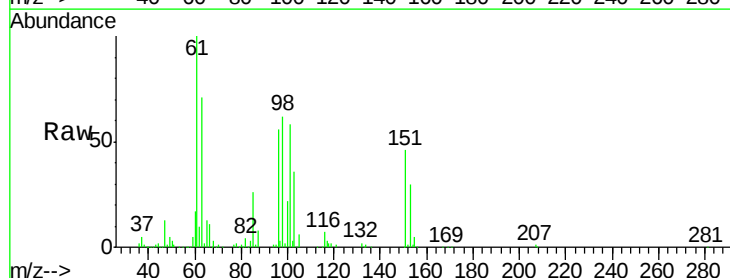
Tgt Ion: 96 Resp: 92065

Ion Ratio Lower Upper

96 100

61 177.4 125.9 233.9

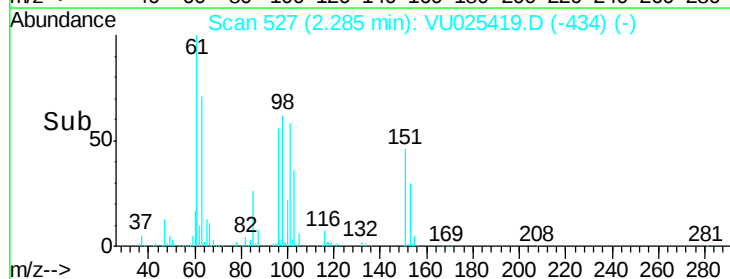
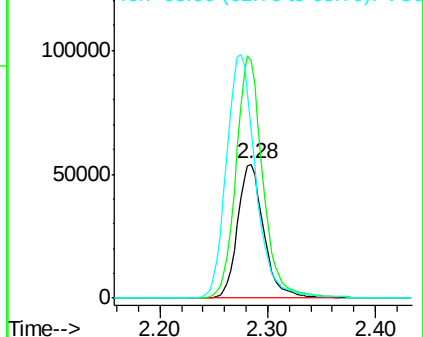
63 125.7 90.4 167.8

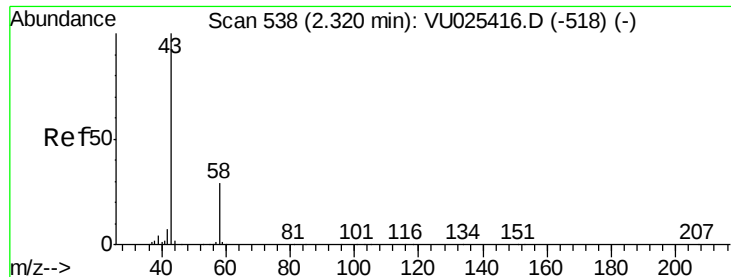


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 79.041 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

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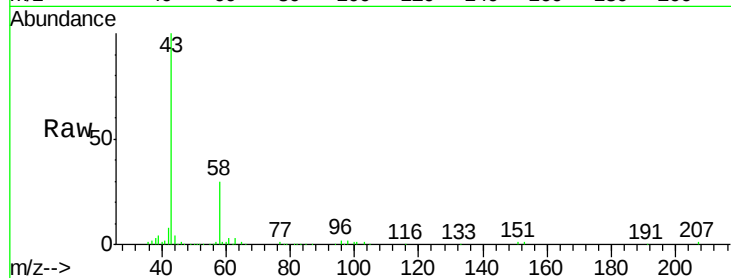
VICV56

Tgt Ion: 43 Resp: 157102

Ion Ratio Lower Upper

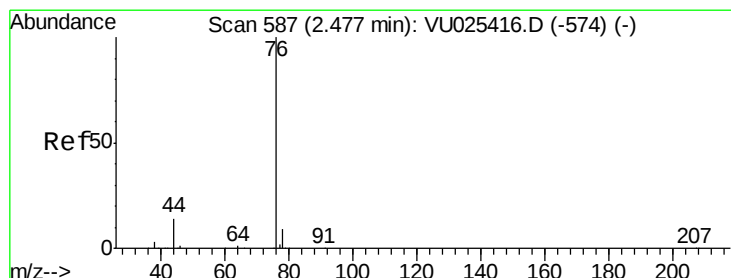
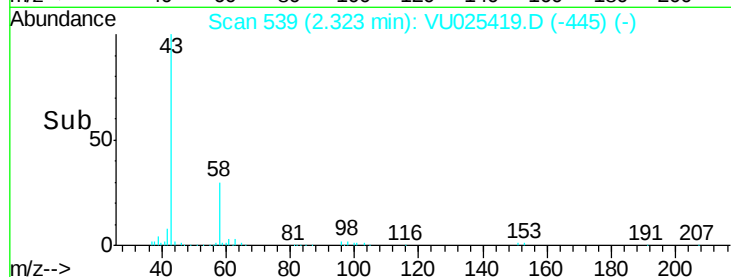
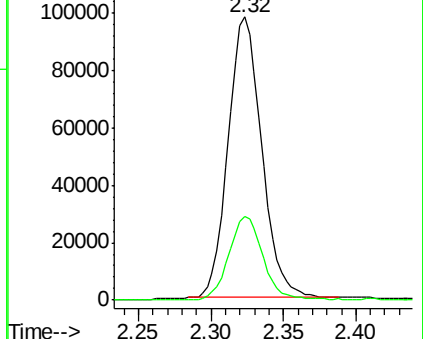
43 100

58 30.2 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 46.383 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025419.D

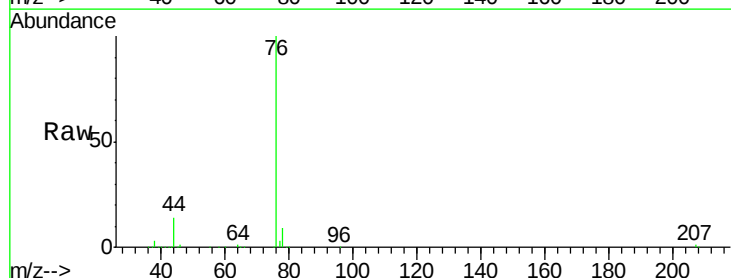
Acq: 16 Jul 2018 12:03

Tgt Ion: 76 Resp: 297442

Ion Ratio Lower Upper

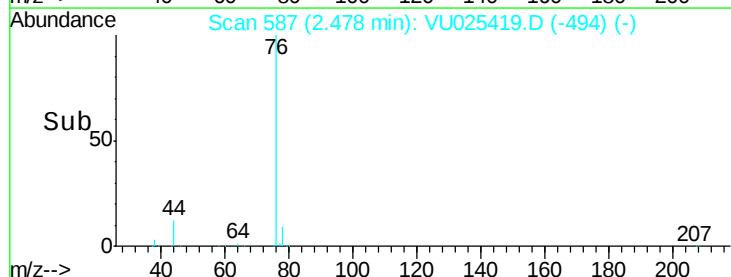
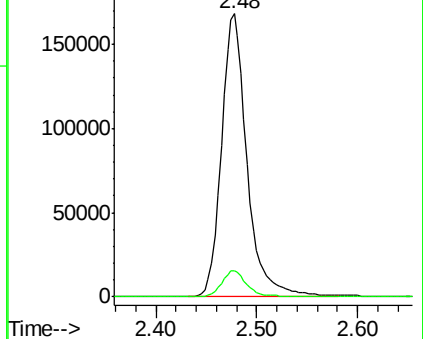
76 100

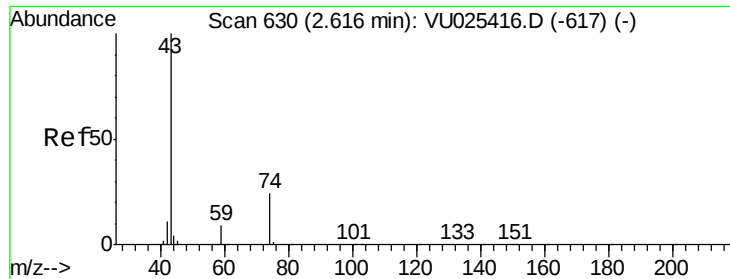
78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

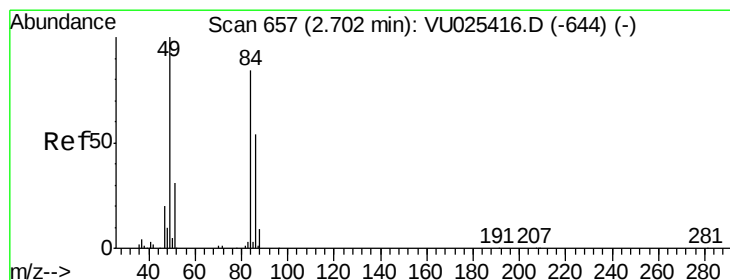
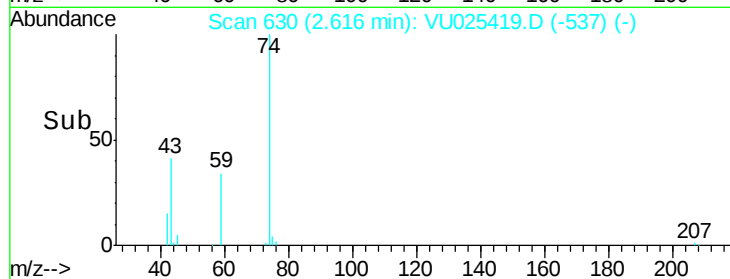
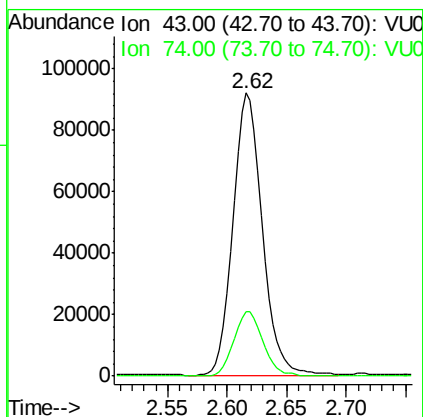
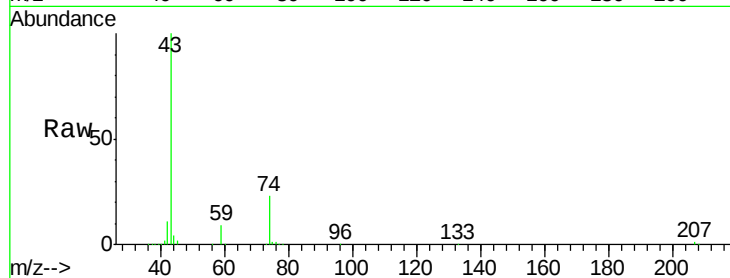




#15
Methyl Acetate
Concen: 53.001 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

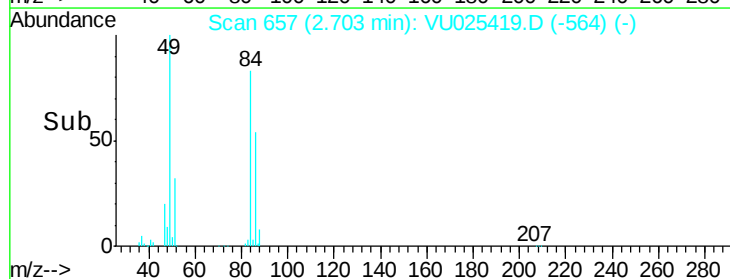
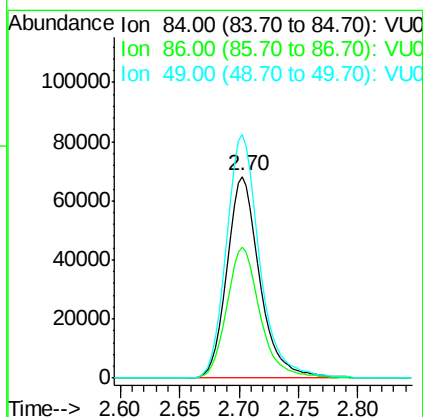
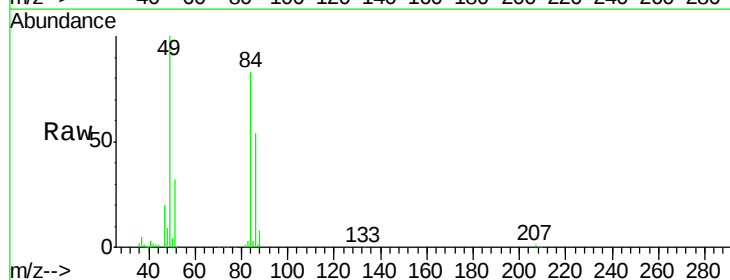
Instrument :
MSVOA_U
ClientSampleId :
VICV56

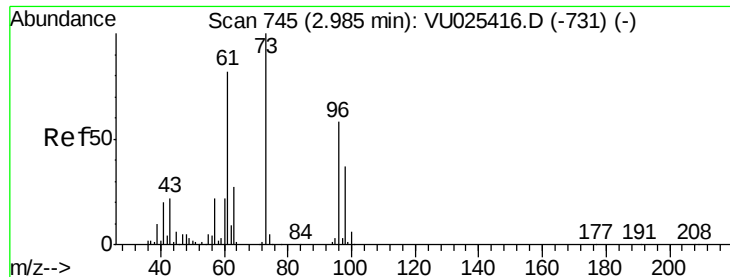
Tgt Ion: 43 Resp: 156597
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2



#16
Methylene chloride
Concen: 49.345 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Tgt Ion: 84 Resp: 130209
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 120.6 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 47.532 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

VICV56

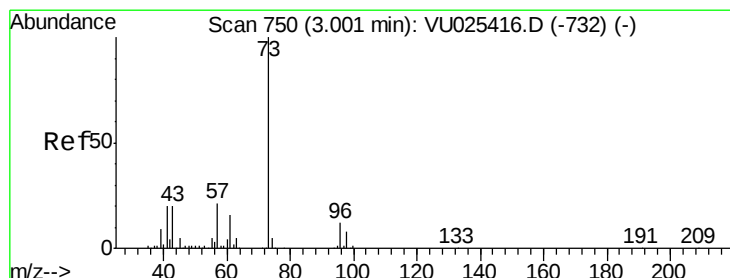
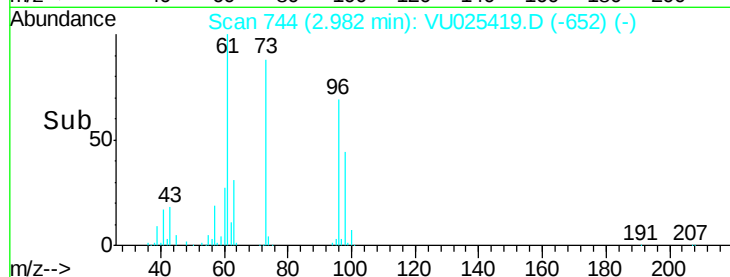
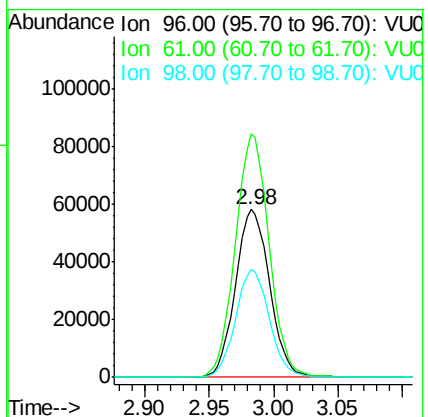
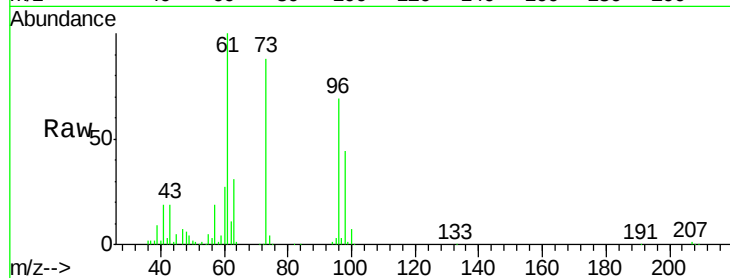
Tgt Ion: 96 Resp: 108013

Ion Ratio Lower Upper

96 100

61 145.1 98.2 182.4

98 64.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 50.461 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

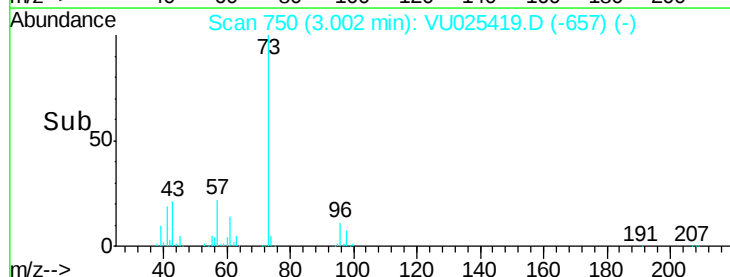
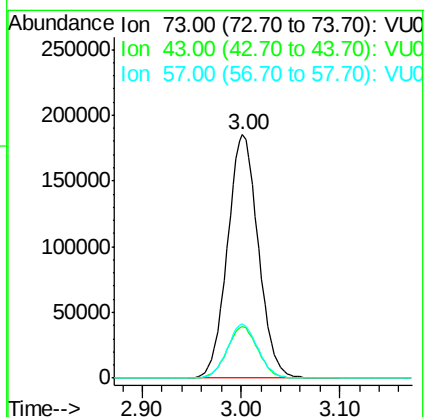
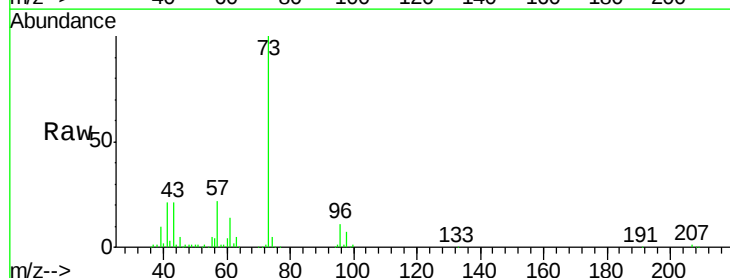
Tgt Ion: 73 Resp: 403300

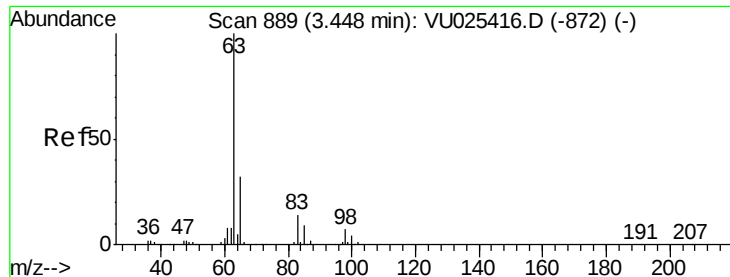
Ion Ratio Lower Upper

73 100

43 21.0 16.7 25.1

57 21.9 17.3 25.9

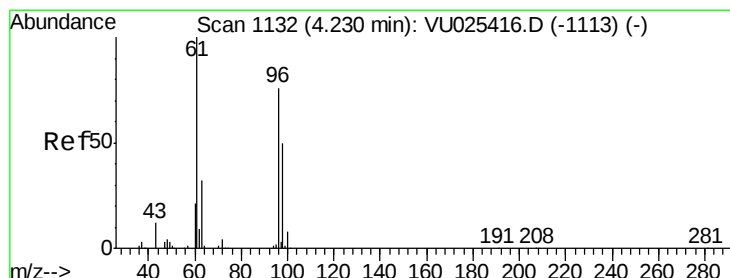
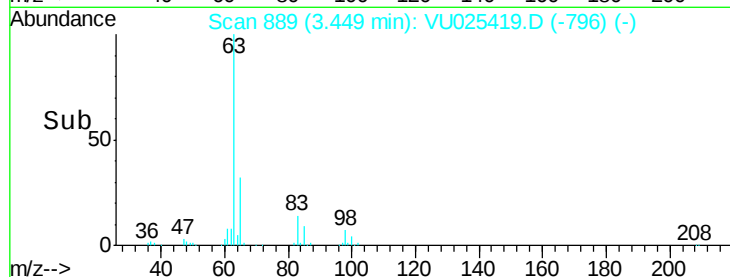
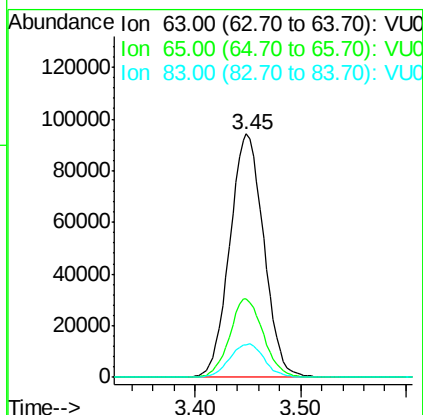
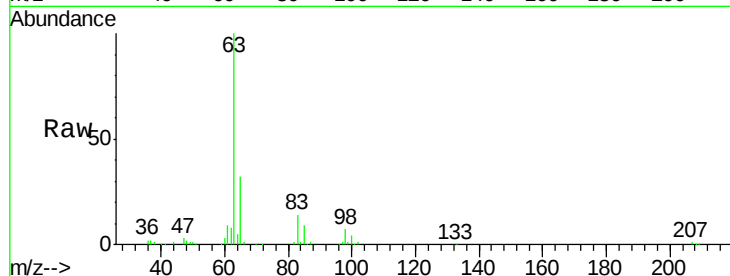




#19
 1,1-Dichloroethane
 Concen: 47.597 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

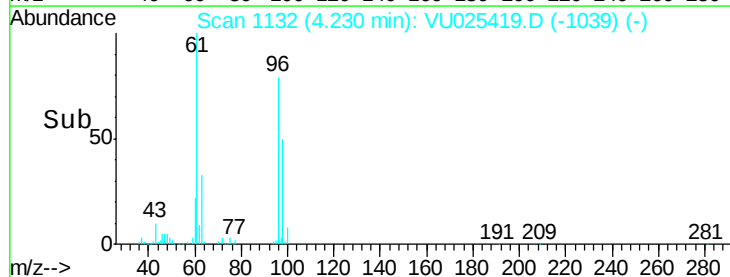
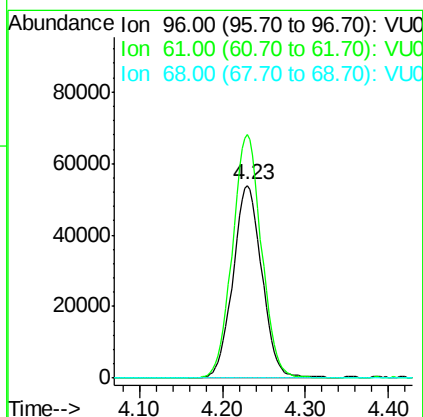
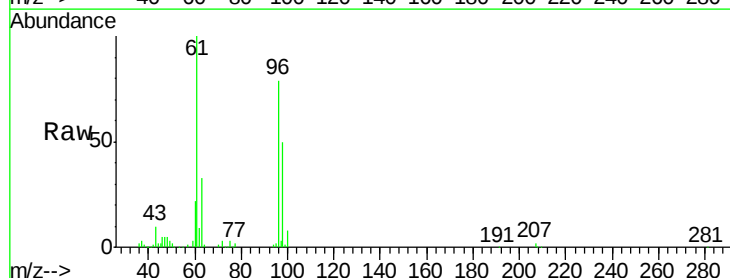
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

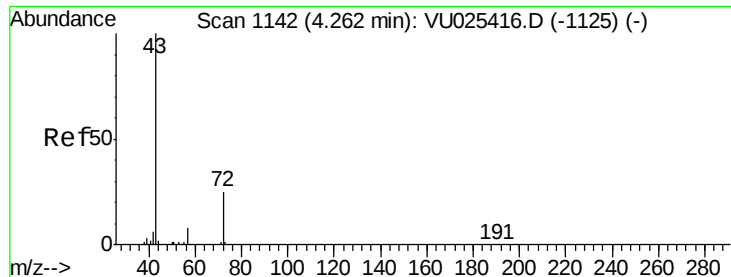
Tgt Ion: 63 Resp: 210380
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.6 42.0
 83 13.6 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.217 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion: 96 Resp: 131244
 Ion Ratio Lower Upper
 96 100
 61 126.1 92.0 170.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.810 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampled :

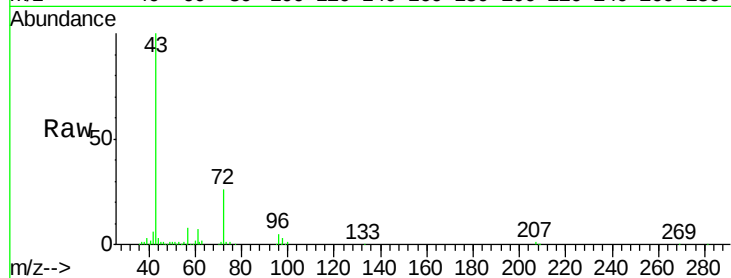
VICV56

Tgt Ion: 43 Resp: 234135

Ion Ratio Lower Upper

43 100

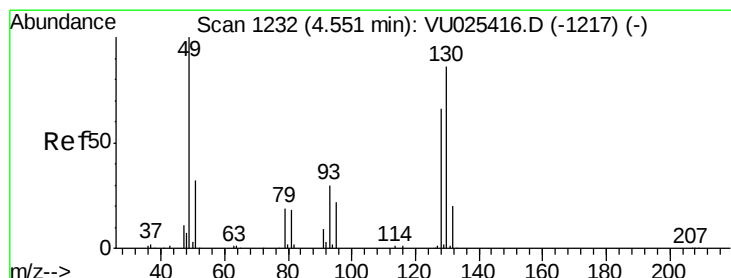
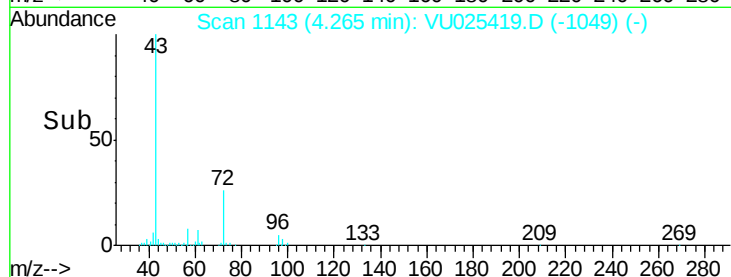
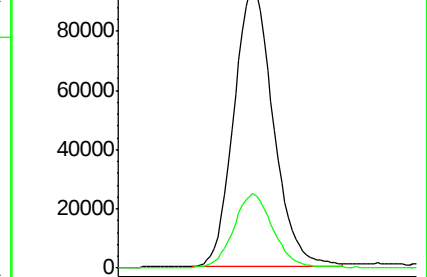
72 26.7 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU025419.D (-1143) (-)

Ion 72.00 (71.70 to 72.70): VU025419.D (-1143) (-)

4.27



#23

Bromochloromethane

Concen: 52.124 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Tgt Ion: 128 Resp: 65192

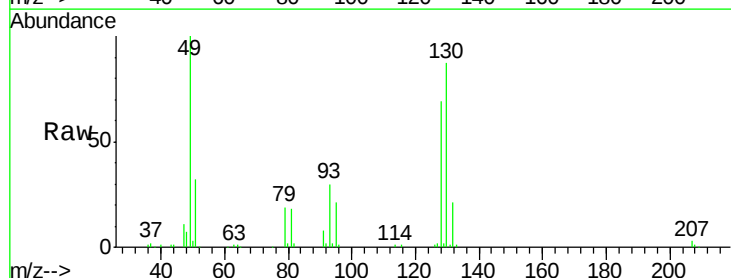
Ion Ratio Lower Upper

128 100

49 145.9 106.5 197.7

130 126.7 91.4 169.8

51 46.2 38.6 58.0

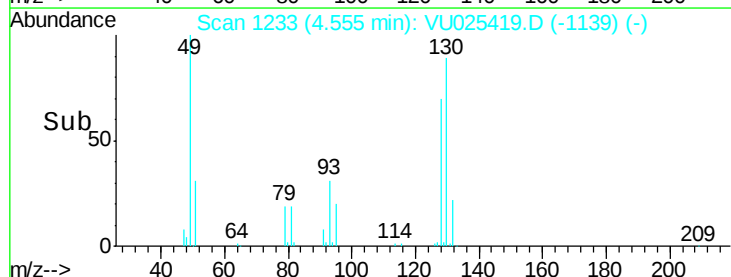
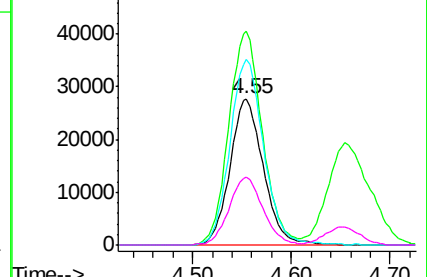


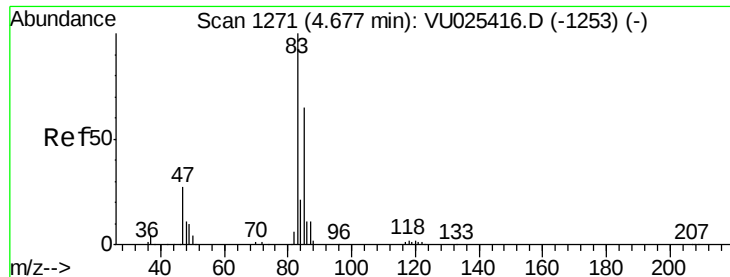
Abundance Ion 128.00 (127.70 to 128.70): VU025419.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU025419.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU025419.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU025419.D (-1233) (-)





#25

Chloroform

Concen: 48.927 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampled :

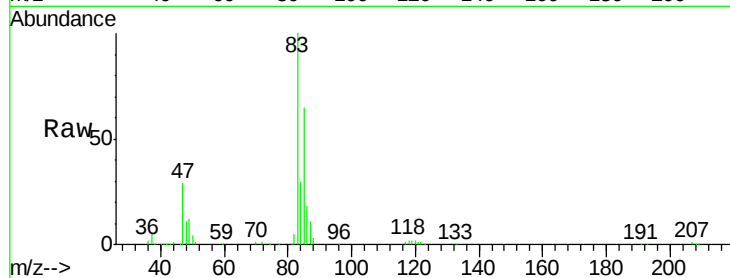
VICV56

Tgt Ion: 83 Resp: 228746

Ion Ratio Lower Upper

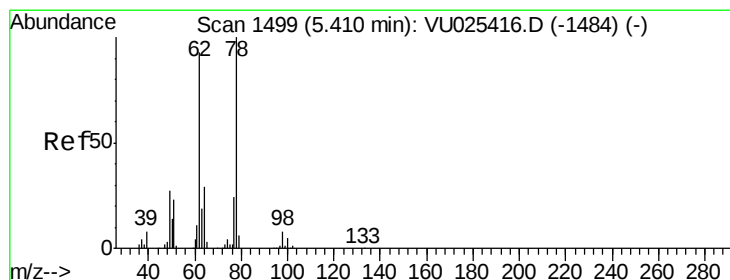
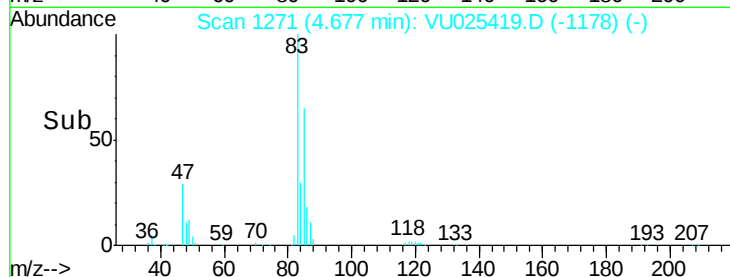
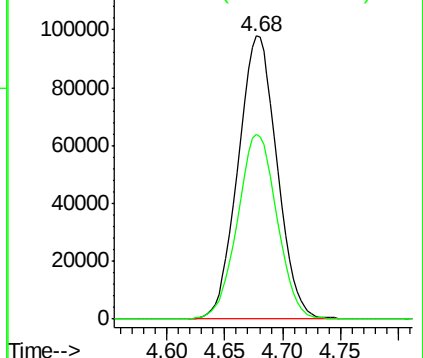
83 100

85 65.5 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 49.962 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025419.D

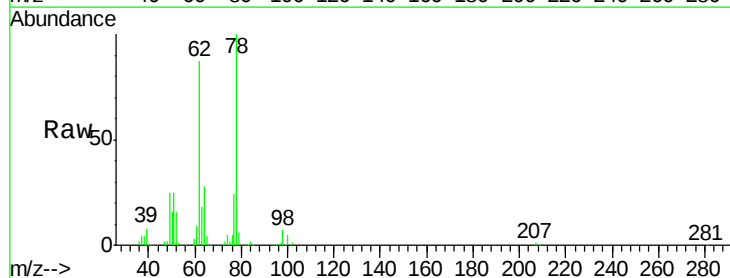
Acq: 16 Jul 2018 12:03

Tgt Ion: 62 Resp: 192036

Ion Ratio Lower Upper

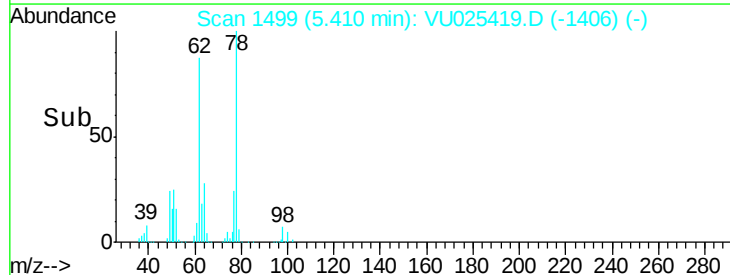
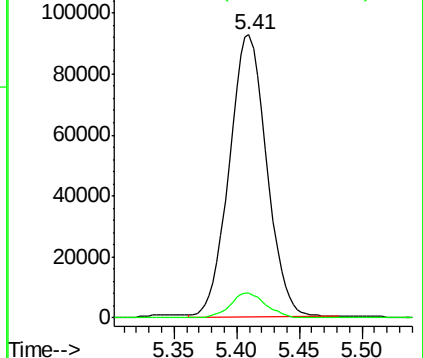
62 100

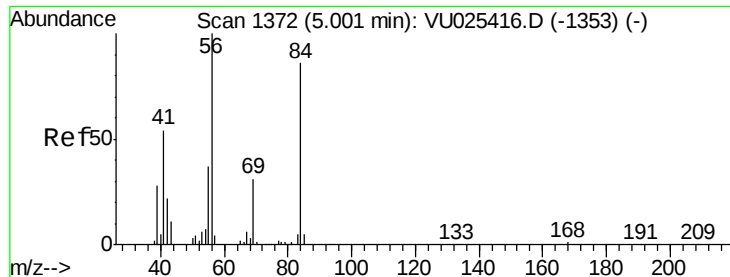
98 8.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

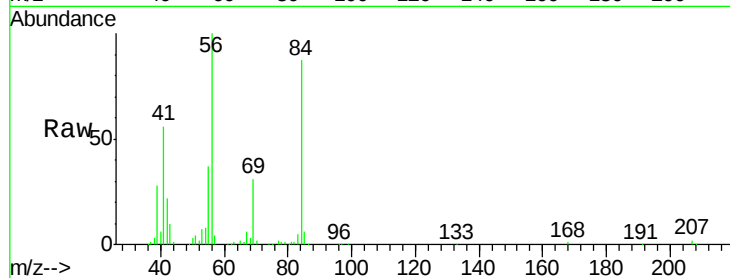




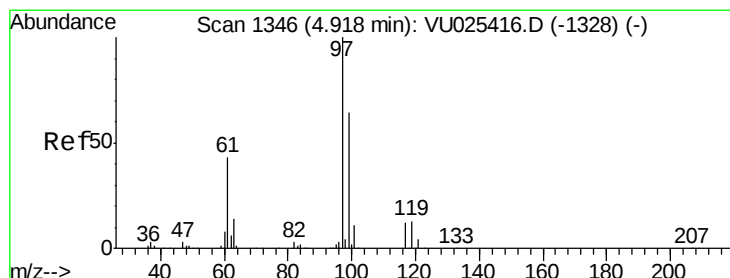
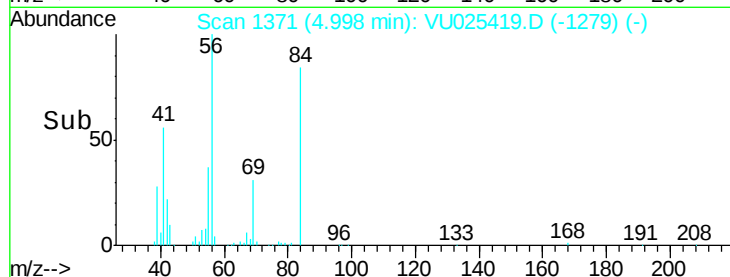
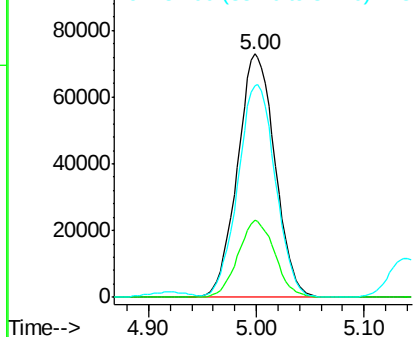
#29
Cyclohexane
Concen: 46.308 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Instrument :
MSVOA_U
ClientSampleId :
VICV56

Tgt Ion: 56 Resp: 176232
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 87.5 70.0 105.0

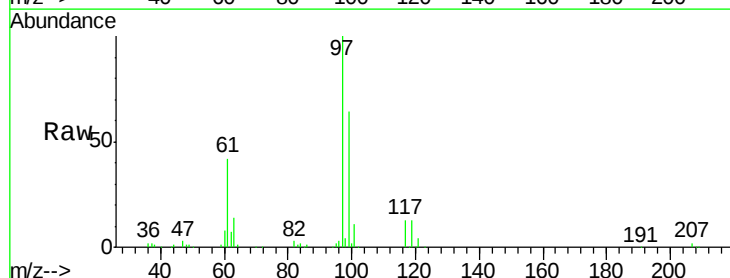


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

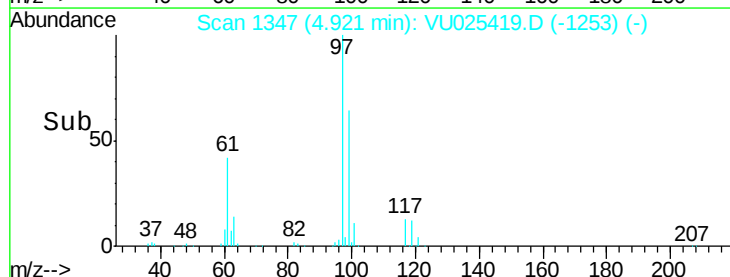
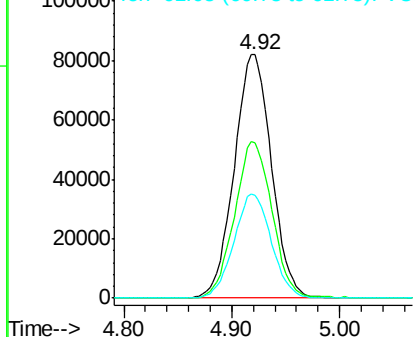


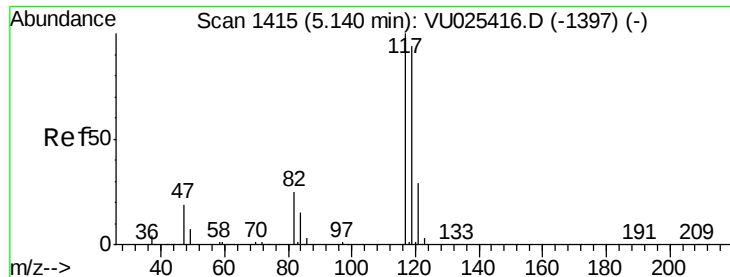
#30
1,1,1-Trichloroethane
Concen: 47.055 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Tgt Ion: 97 Resp: 197140
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 42.9 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

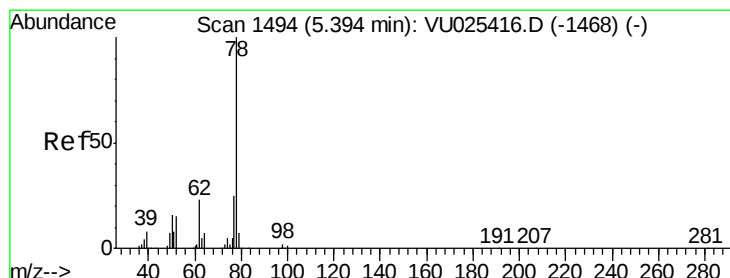
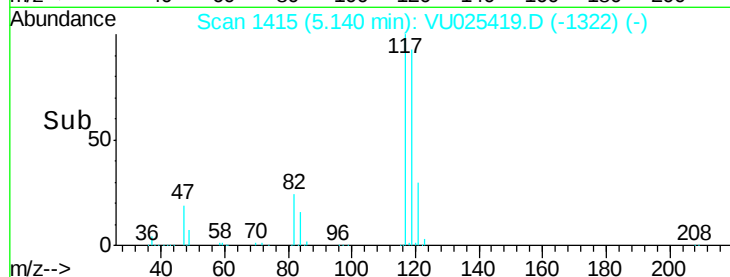
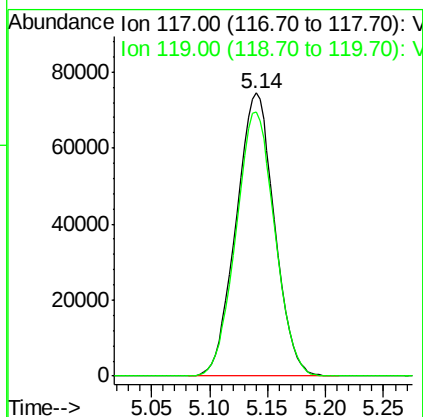
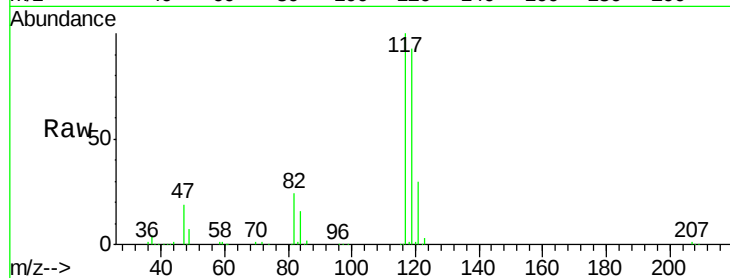




#31
Carbon tetrachloride
Concen: 46.411 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

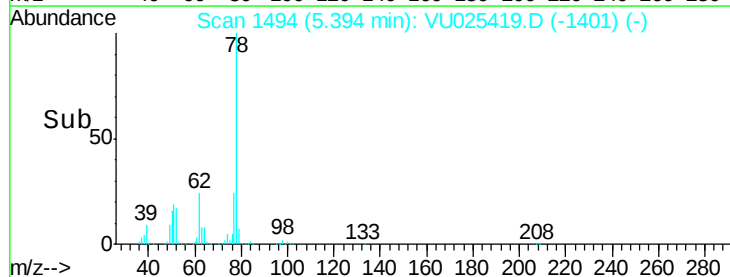
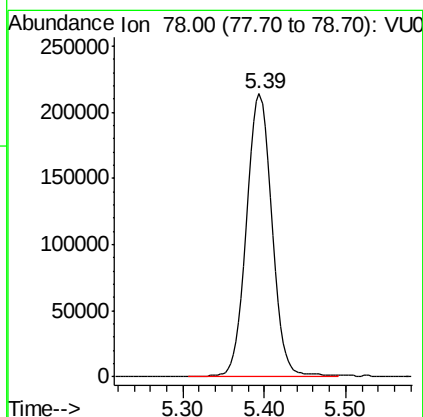
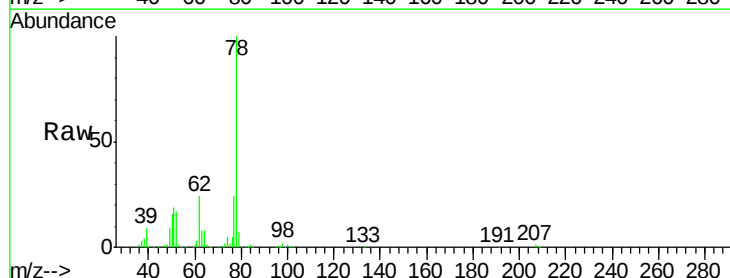
Instrument :
MSVOA_U
ClientSampleId :
VICV56

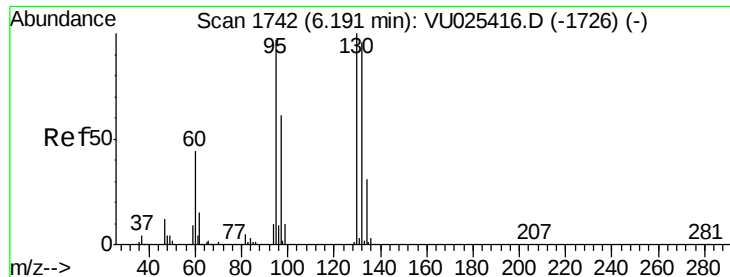
Tgt Ion:117 Resp: 170882
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8



#33
Benzene
Concen: 48.964 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Tgt Ion: 78 Resp: 459590

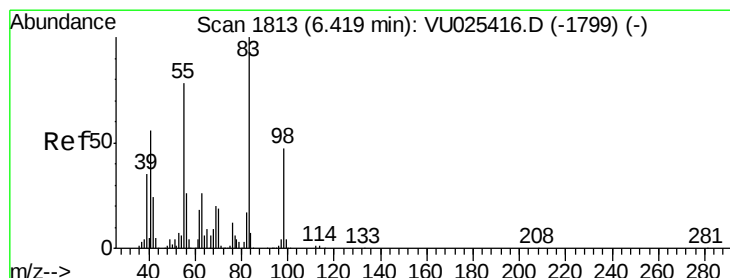
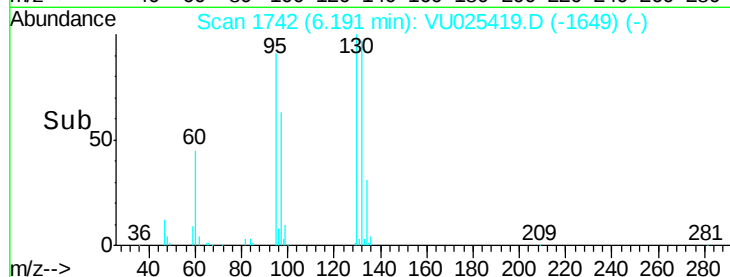
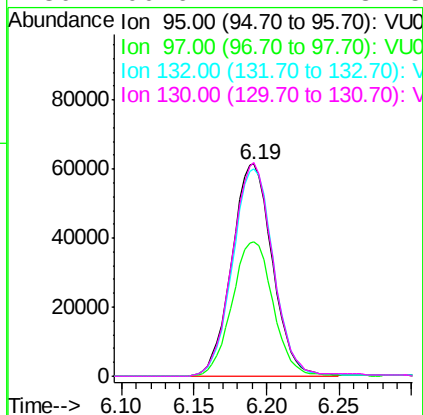
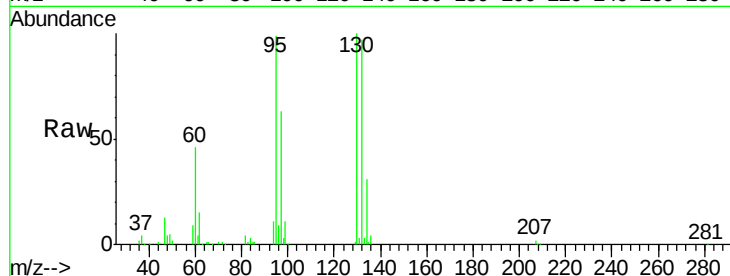




#34
 Trichloroethene
 Concen: 47.339 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

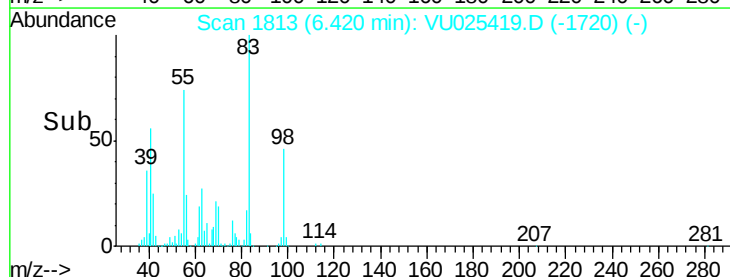
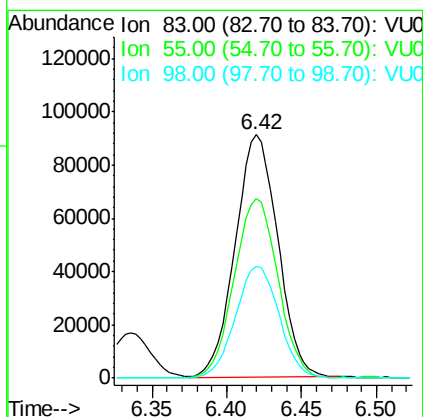
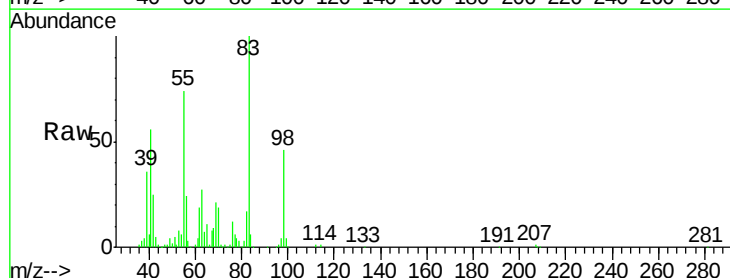
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

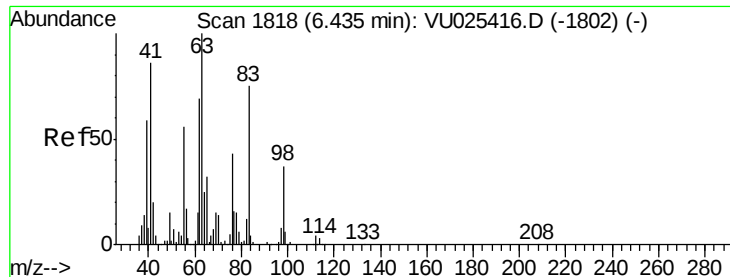
Tgt Ion:	95	Resp:	119416
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.3	82.3
132	97.8	69.6	129.2
130	100.6	72.4	134.5



#35
 Methylcyclohexane
 Concen: 44.834 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion:	83	Resp:	180885
Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	90.8
98	47.5	37.6	56.4

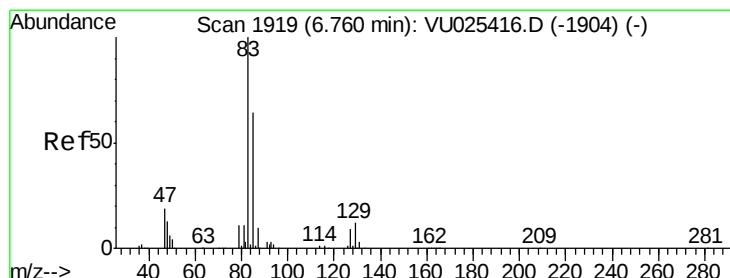
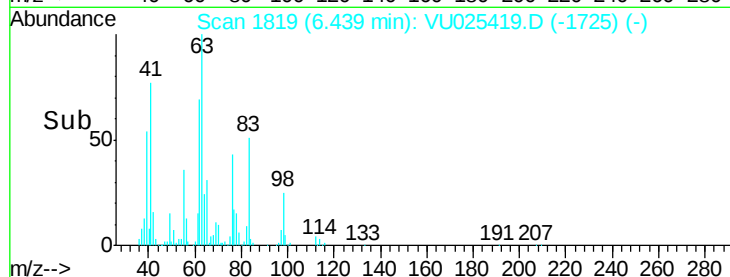
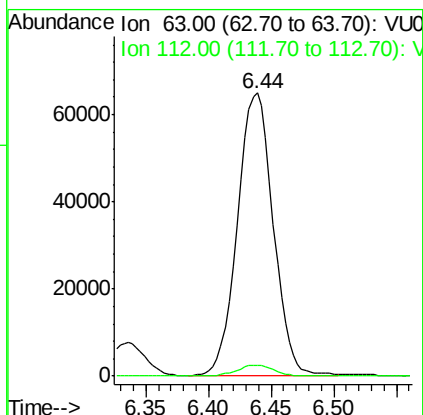
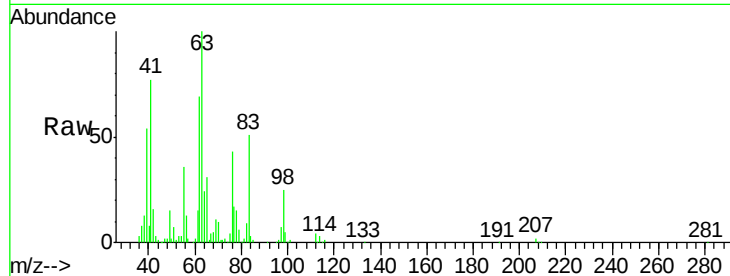




#37
 1,2-Dichloropropane
 Concen: 49.610 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

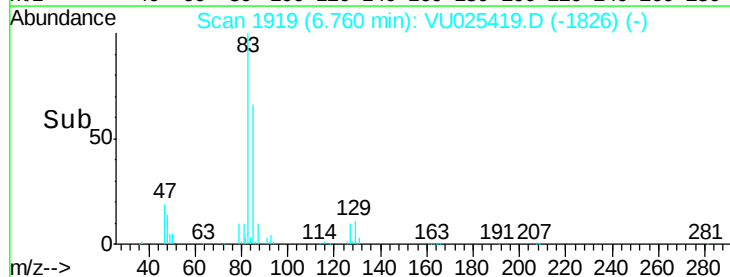
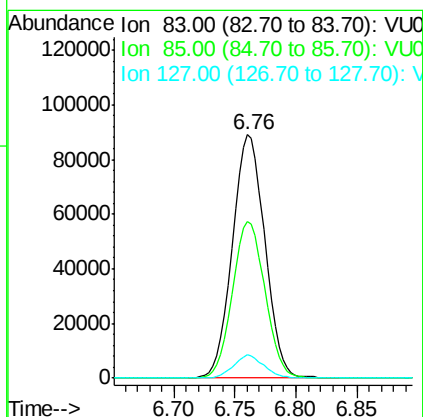
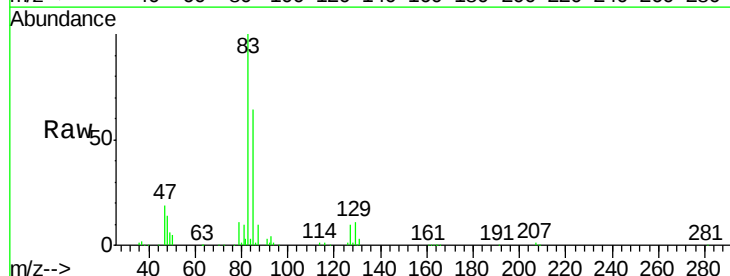
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

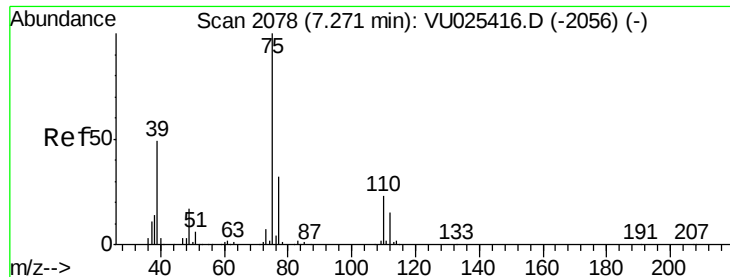
Tgt Ion: 63 Resp: 128336
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.346 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion: 83 Resp: 164811
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.0 83.6
 127 9.5 7.4 11.0

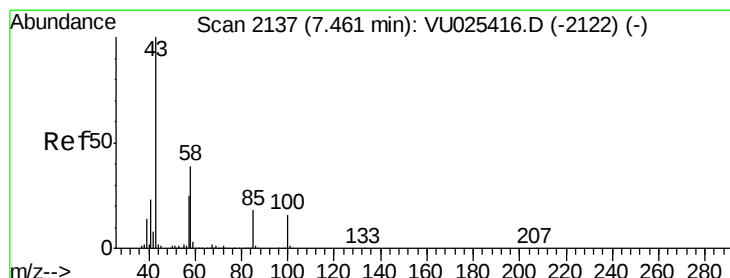
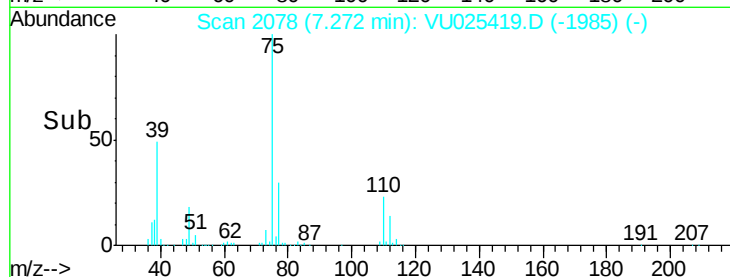
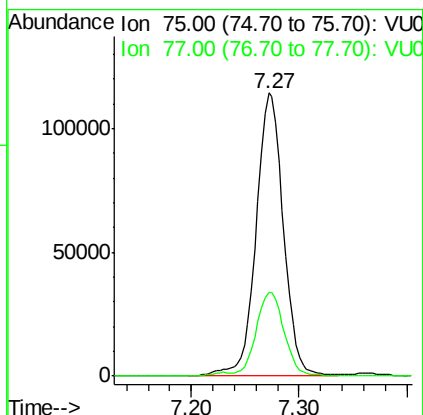
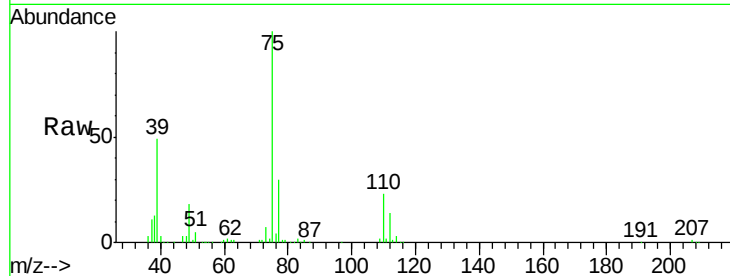




#39
 cis-1,3-Dichloropropene
 Concen: 50.808 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

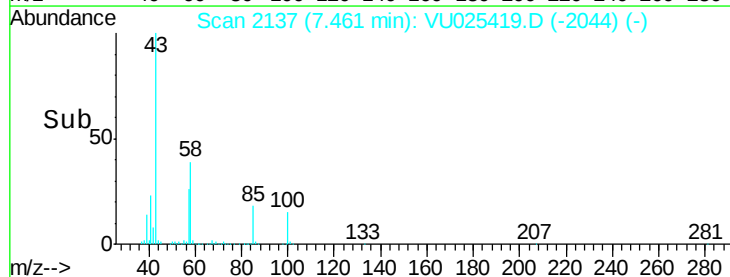
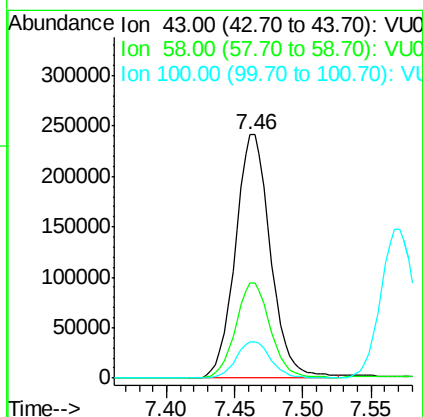
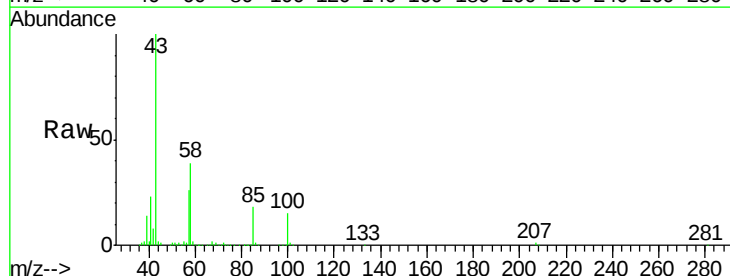
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

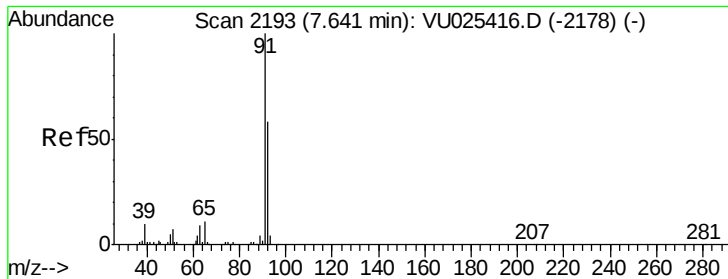
Tgt Ion: 75 Resp: 201169
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 107.116 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion: 43 Resp: 432415
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 15.0 12.5 18.7





#42

Toluene

Concen: 48.281 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

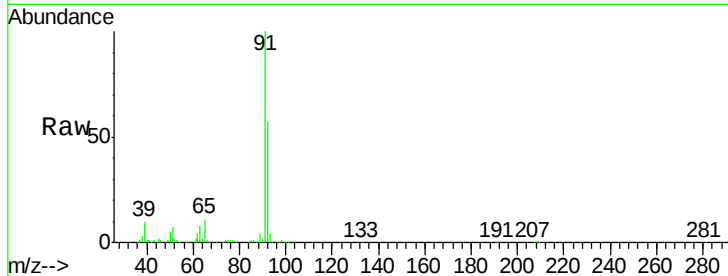
VICV56

Tgt Ion: 91 Resp: 490081

Ion Ratio Lower Upper

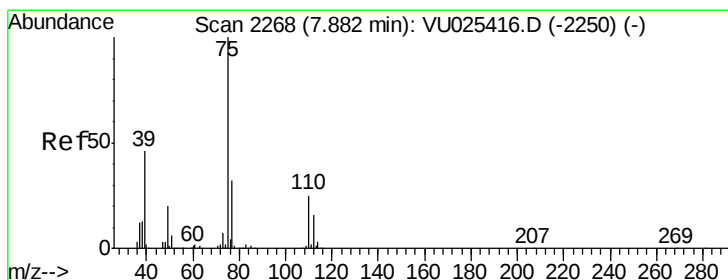
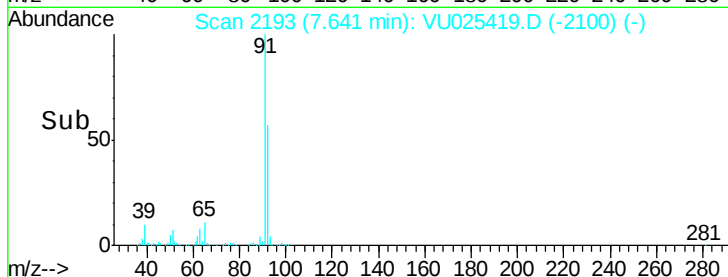
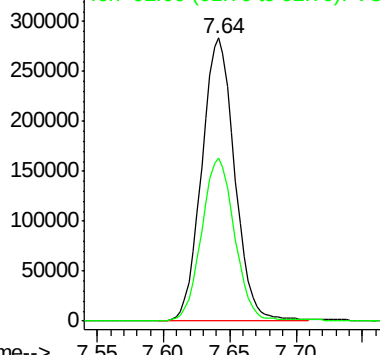
91 100

92 57.4 40.7 75.5



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: 50.438 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025419.D

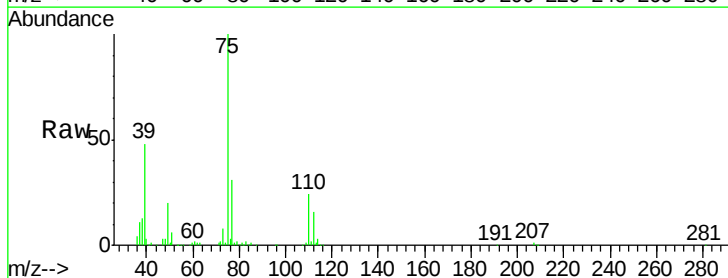
Acq: 16 Jul 2018 12:03

Tgt Ion: 75 Resp: 184654

Ion Ratio Lower Upper

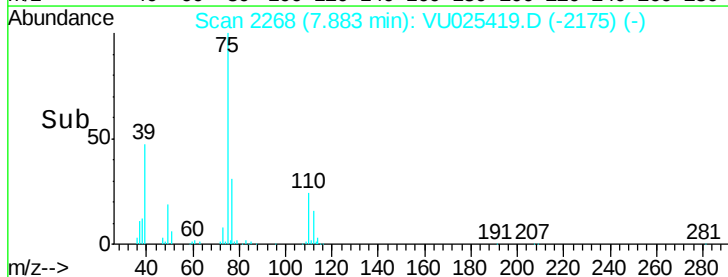
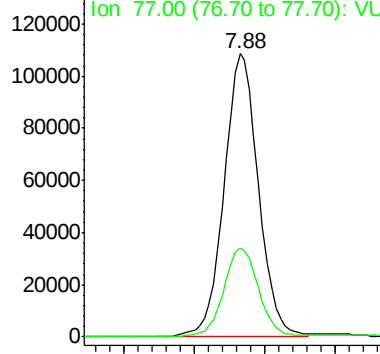
75 100

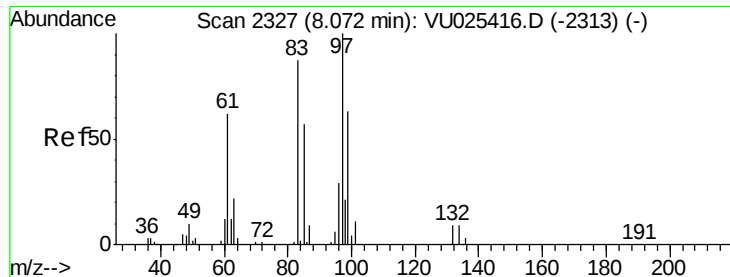
77 31.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

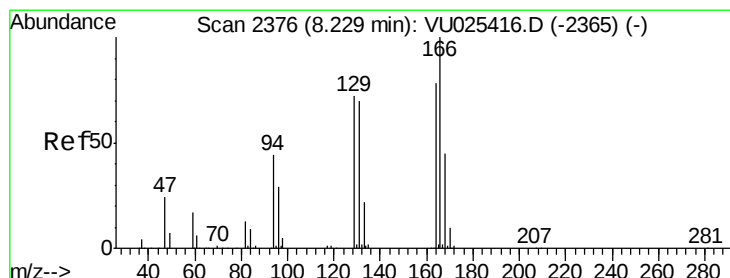
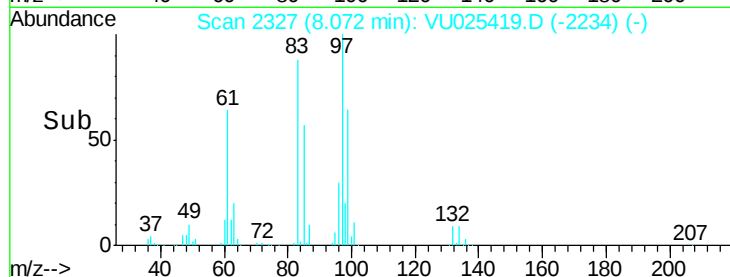
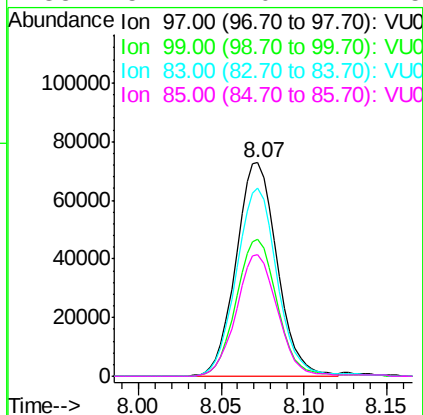
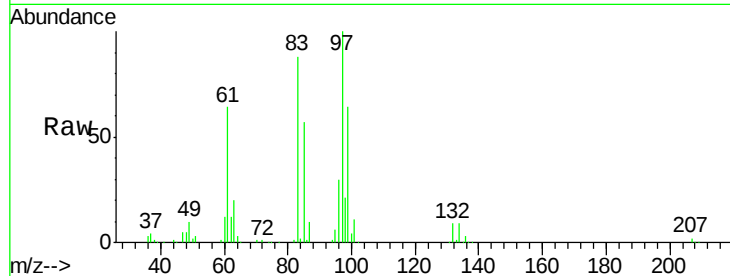




#45
 1,1,2-Trichloroethane
 Concen: 50.591 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

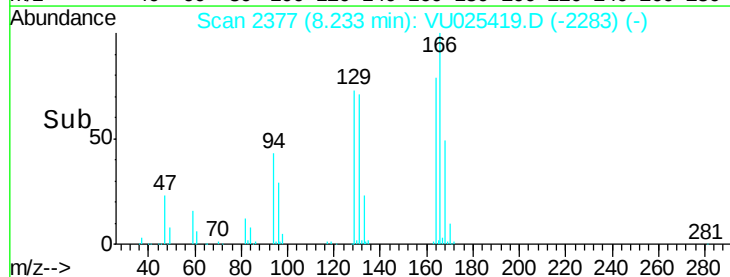
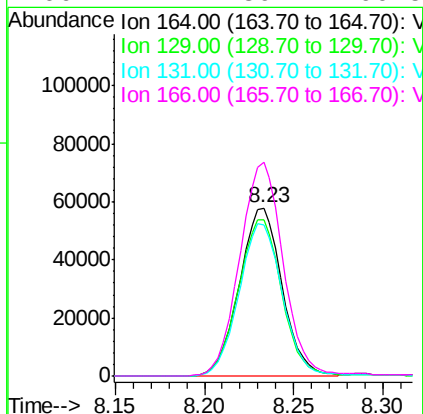
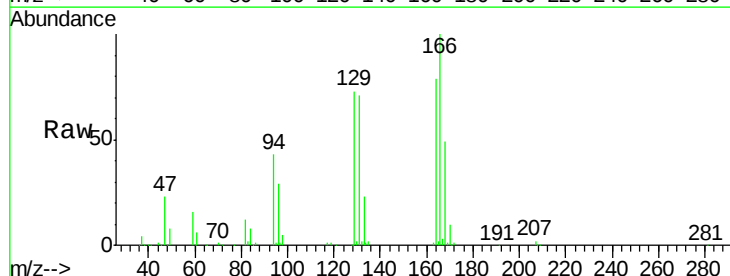
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

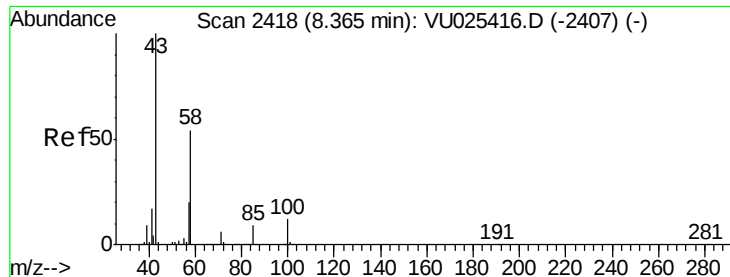
Tgt Ion:	97	Resp:	125830
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.2	82.2
83	88.2	61.0	113.2
85	57.2	40.1	74.5



#46
 Tetrachloroethene
 Concen: 46.339 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion:	164	Resp:	96873
Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.7	120.1
131	90.1	63.1	117.3
166	127.1	89.7	166.5

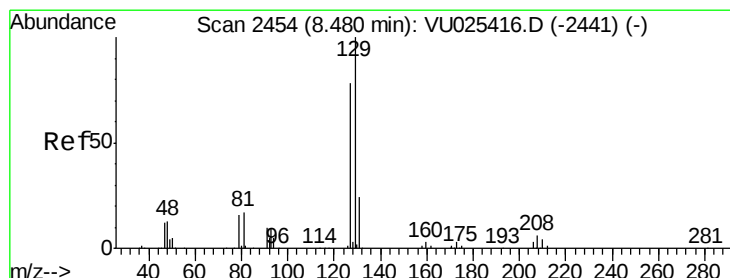
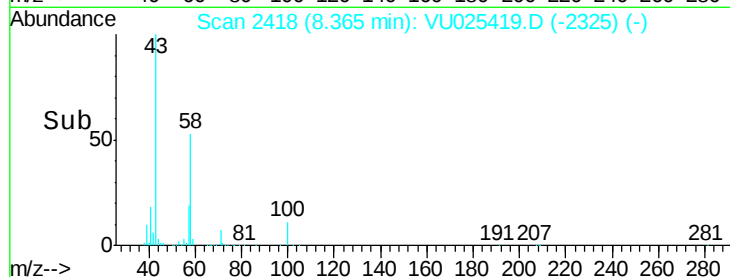
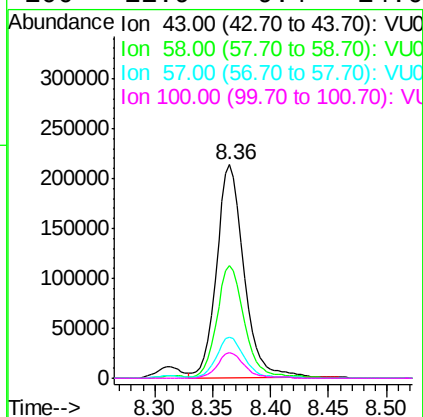
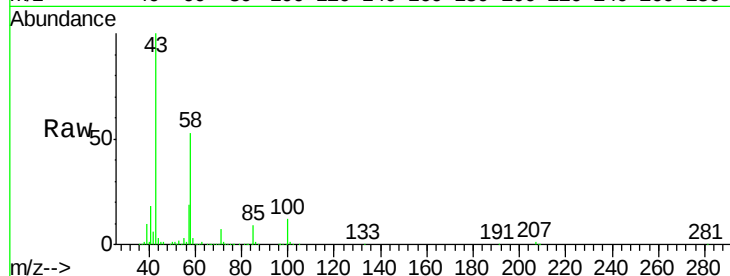




#48
2-Hexanone
Concen: 101.238 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

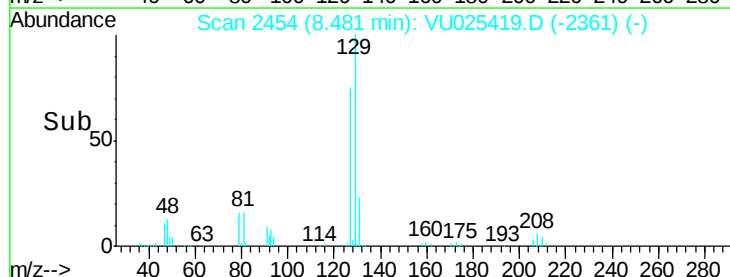
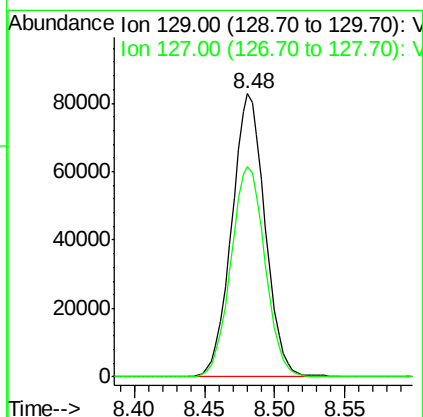
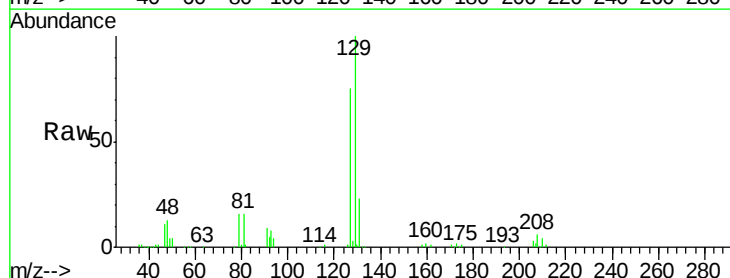
Instrument :
MSVOA_U
ClientSampleId :
VICV56

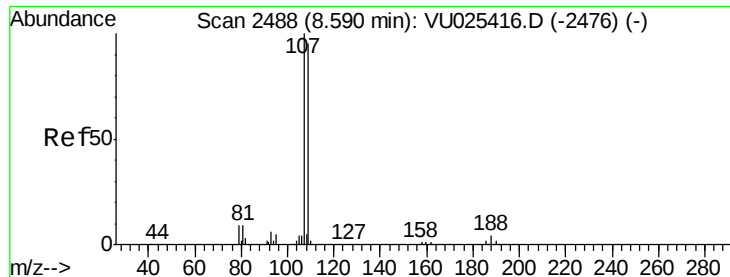
Tgt Ion:	43	Resp:	352506
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.0	64.4
57	18.7	15.8	23.6
100	11.9	9.4	14.0



#49
Dibromochloromethane
Concen: 51.129 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Tgt Ion:	129	Resp:	136964
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.4	101.0

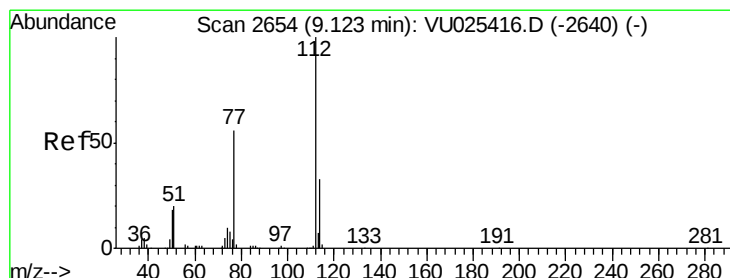
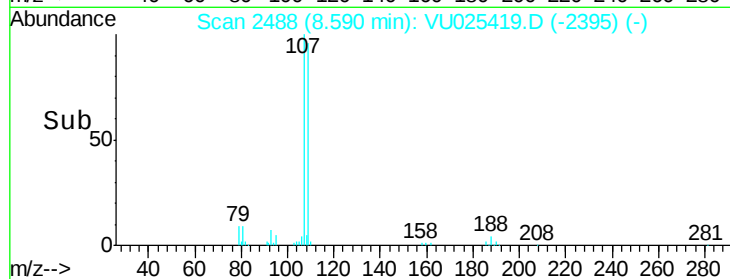
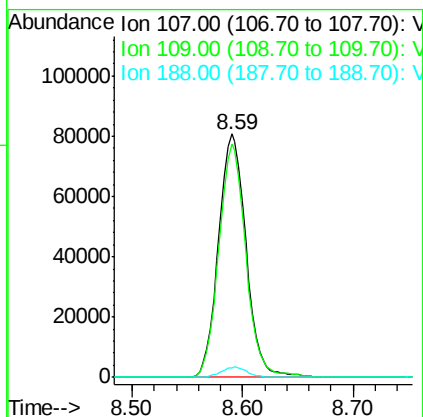
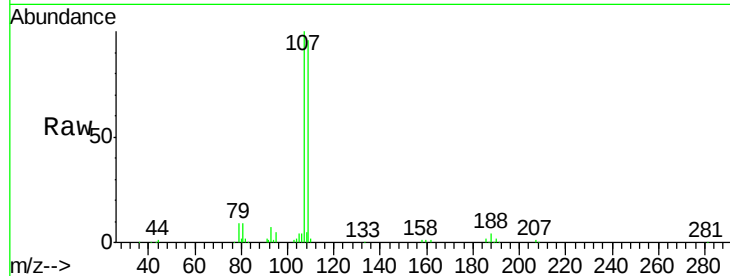




#50
1,2-Dibromoethane
Concen: 51.883 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

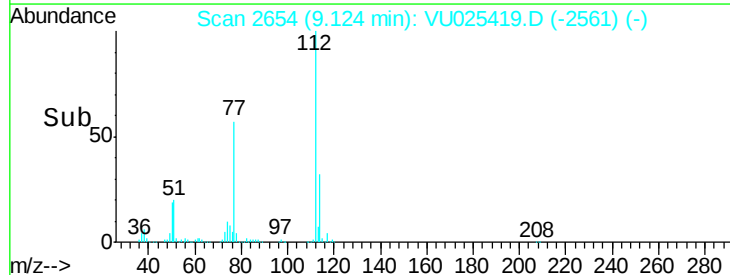
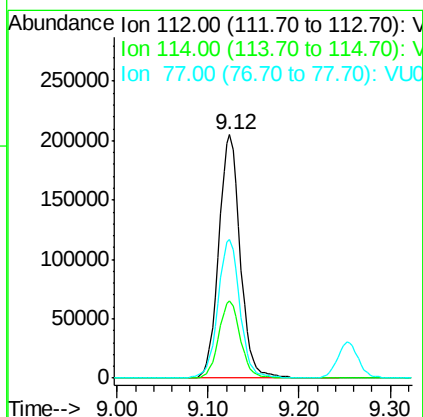
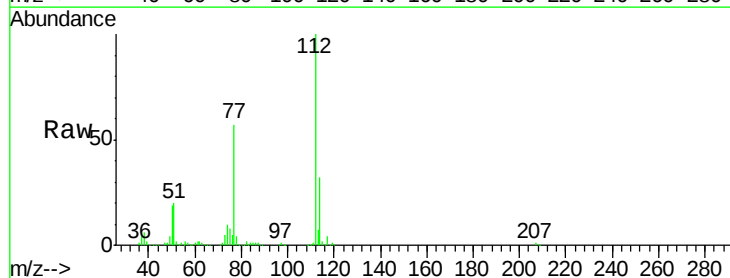
Instrument :
MSVOA_U
ClientSampleId :
VICV56

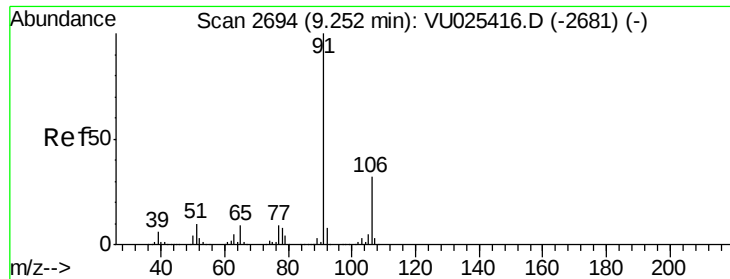
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	66.8	124.2
188	4.1	3.6	5.4



#51
Chlorobenzene
Concen: 48.197 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025419.D
Acq: 16 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.8	42.4
77	56.9	45.5	68.3





#52

Ethylbenzene

Concen: 47.194 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

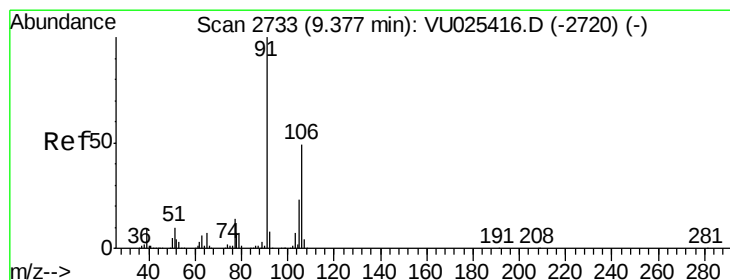
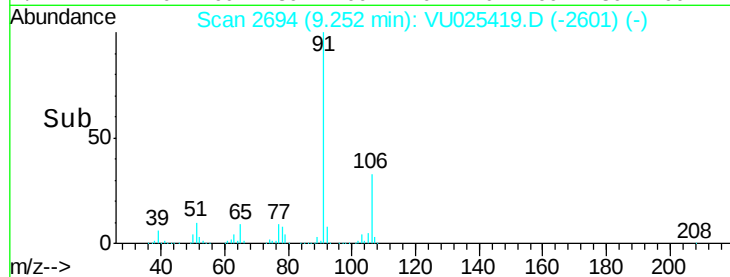
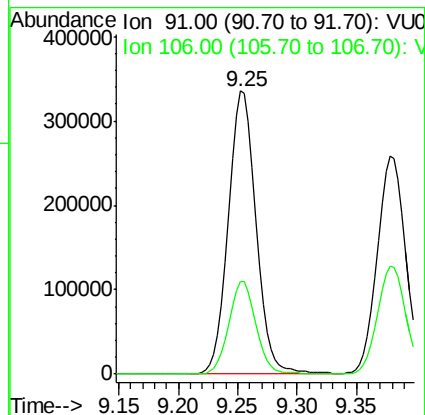
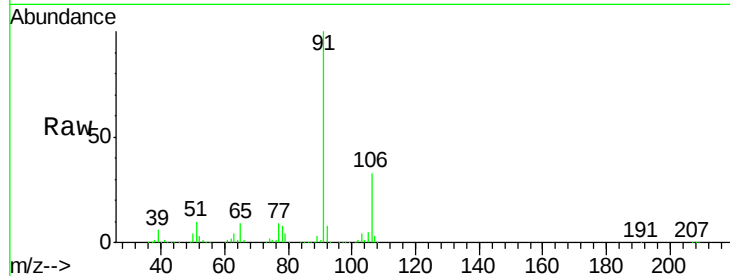
VICV56

Tgt Ion: 91 Resp: 545146

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1



#53

m,p-Xylene

Concen: 47.946 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025419.D

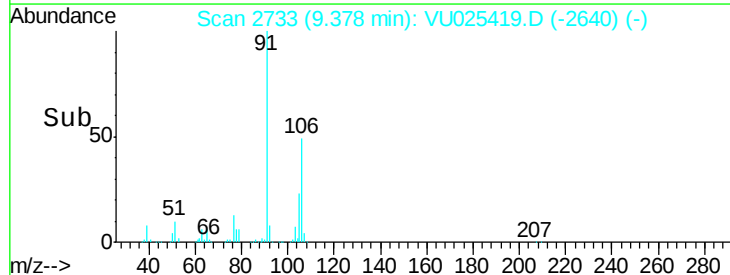
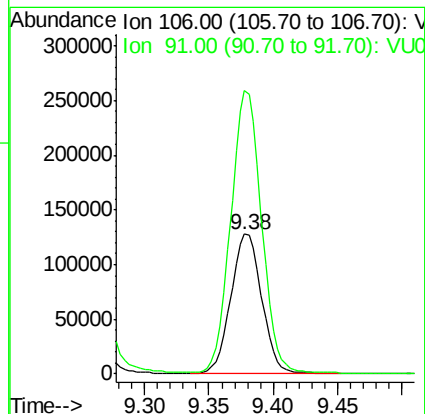
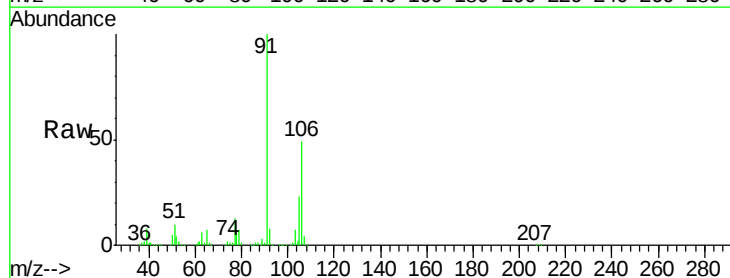
Acq: 16 Jul 2018 12:03

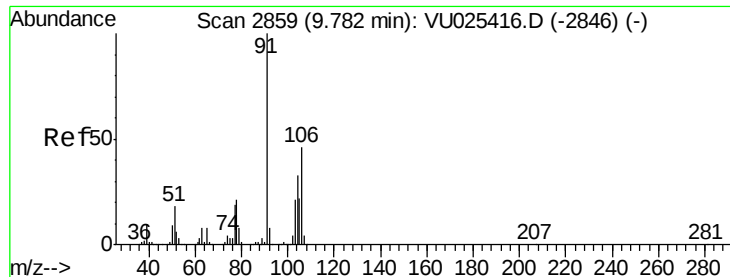
Tgt Ion: 106 Resp: 212430

Ion Ratio Lower Upper

106 100

91 203.0 141.8 263.4





#54

o-xylene

Concen: 48.579 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

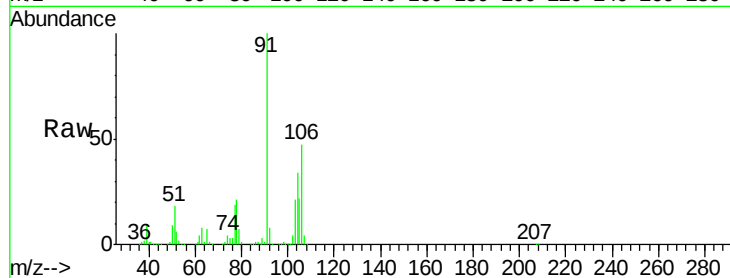
VICV56

Tgt Ion:106 Resp: 218093

Ion Ratio Lower Upper

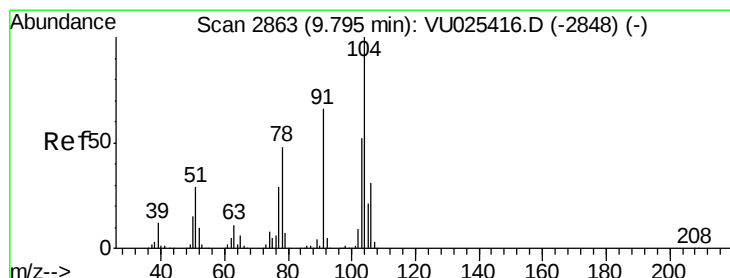
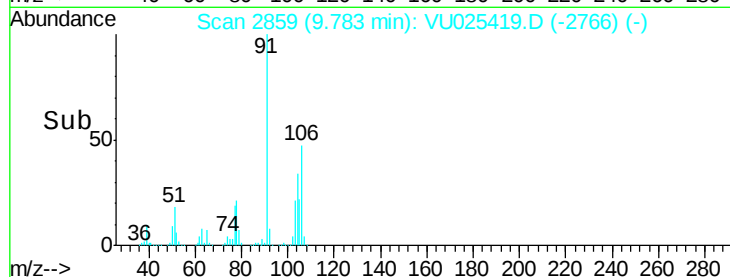
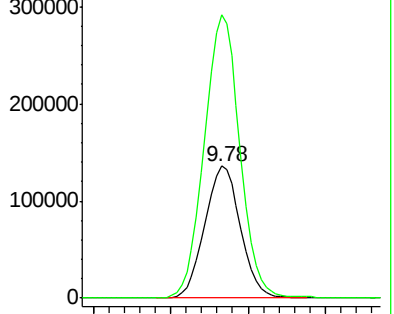
106 100

91 214.6 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.502 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025419.D

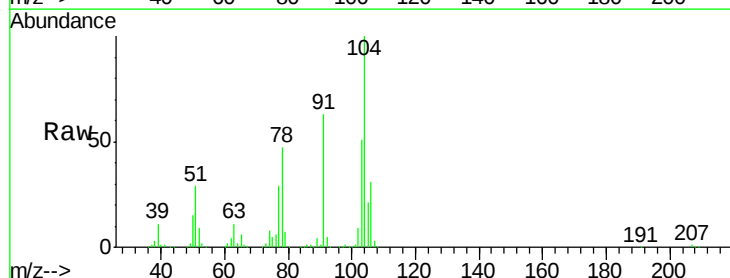
Acq: 16 Jul 2018 12:03

Tgt Ion:104 Resp: 363656

Ion Ratio Lower Upper

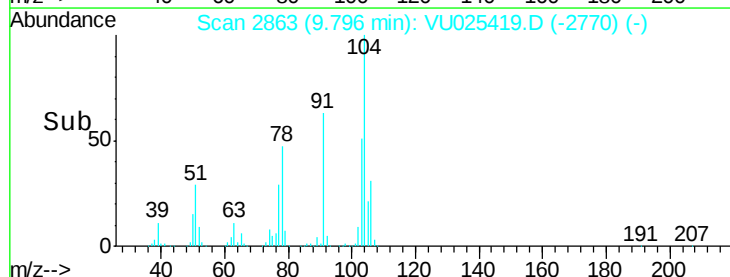
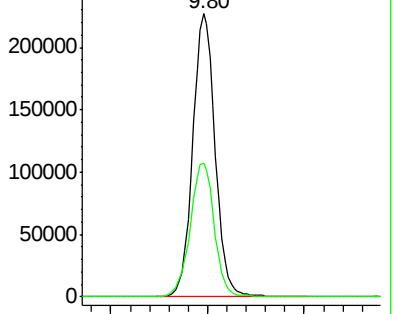
104 100

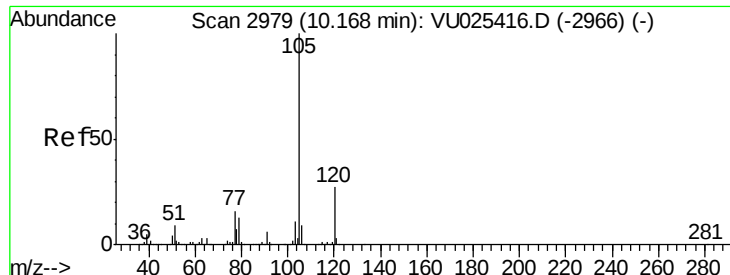
78 47.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.897 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

VICV56

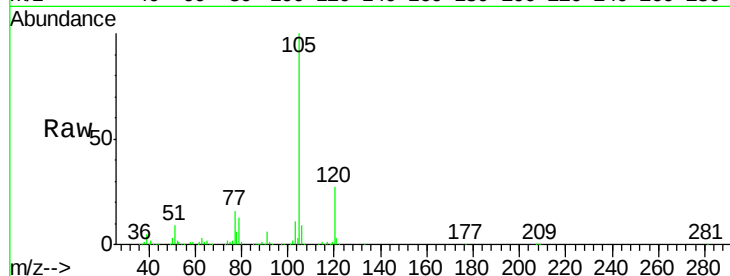
Tgt Ion: 105 Resp: 544317

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

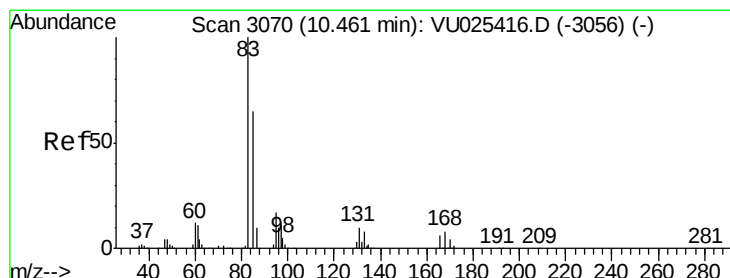
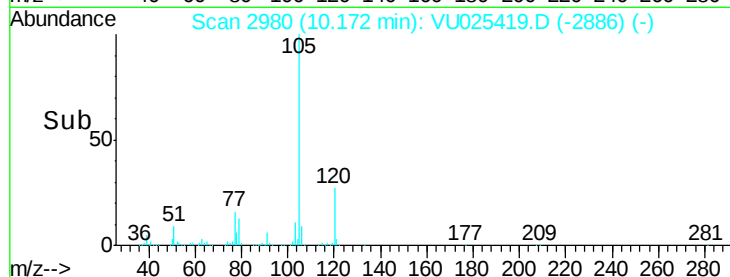
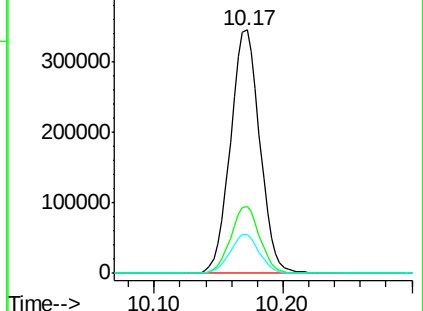
77 16.0 12.6 19.0



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: 51.121 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

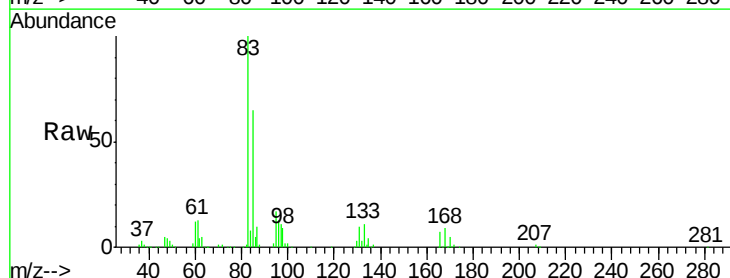
Tgt Ion: 83 Resp: 225290

Ion Ratio Lower Upper

83 100

85 64.9 45.9 85.3

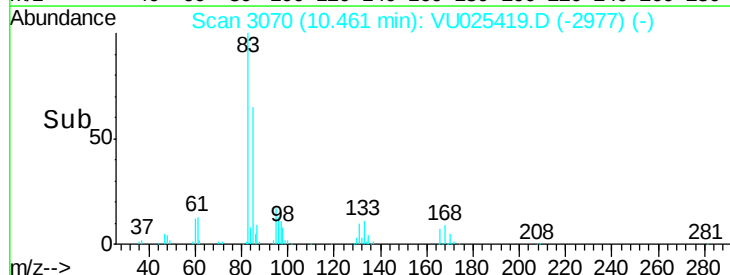
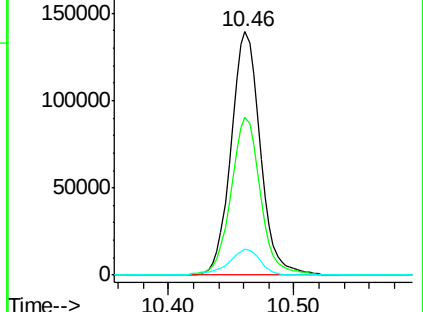
131 10.5 8.6 13.0

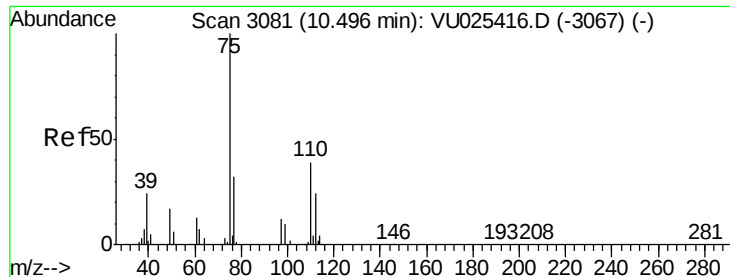


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.767 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

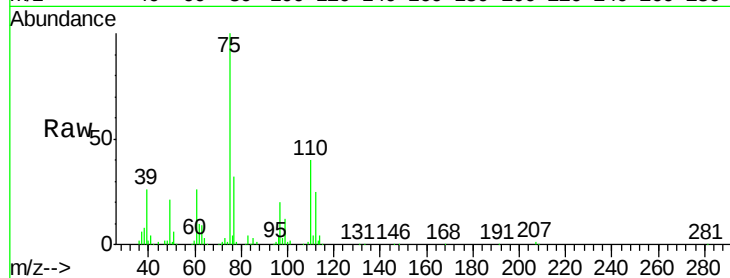
VICV56

Tgt Ion: 75 Resp: 184670

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU025419.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU025419.D (-2459) (-)

10.50

120000

100000

80000

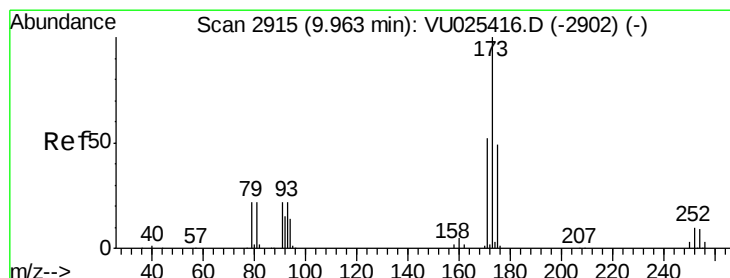
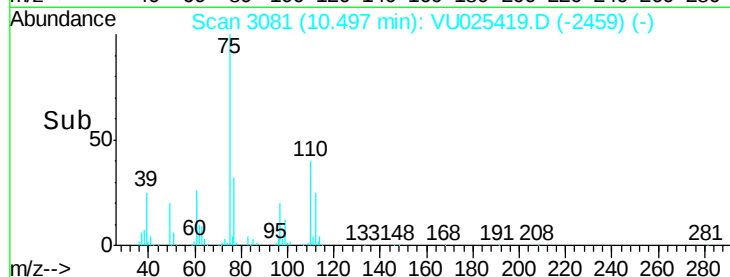
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 51.532 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

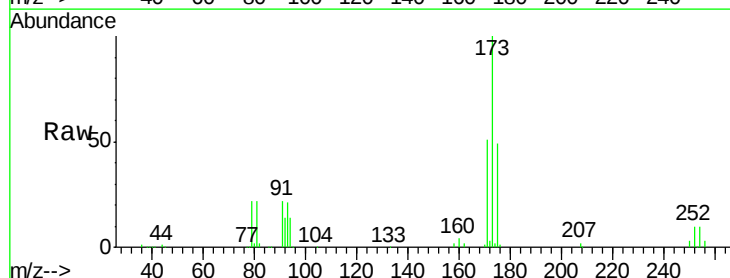
Tgt Ion: 173 Resp: 95482

Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 9.6 7.4 11.0



Abundance Ion 173.00 (172.70 to 173.70): VU025419.D (-2822) (-)

Ion 175.00 (174.70 to 175.70): VU025419.D (-2822) (-)

Ion 254.00 (253.70 to 254.70): VU025419.D (-2822) (-)

9.96

80000

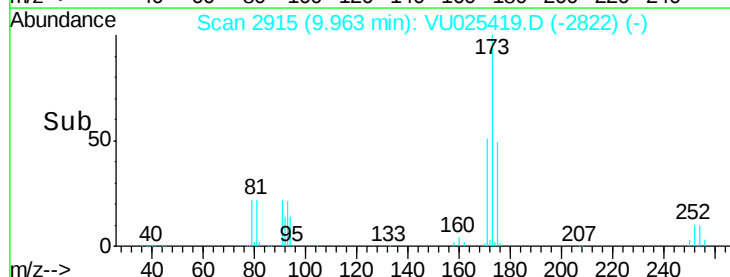
60000

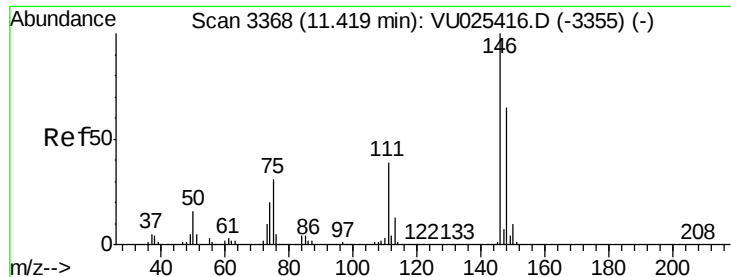
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.807 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

VICV56

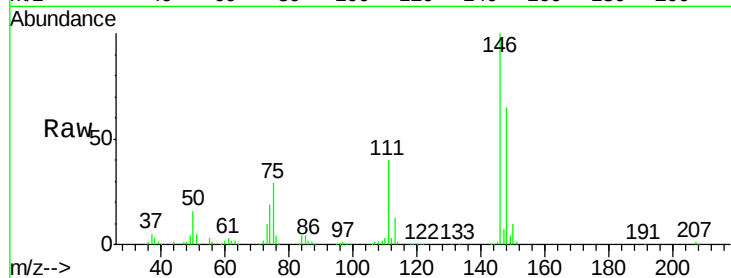
Tgt Ion:146 Resp: 259606

Ion Ratio Lower Upper

146 100

111 40.0 27.4 51.0

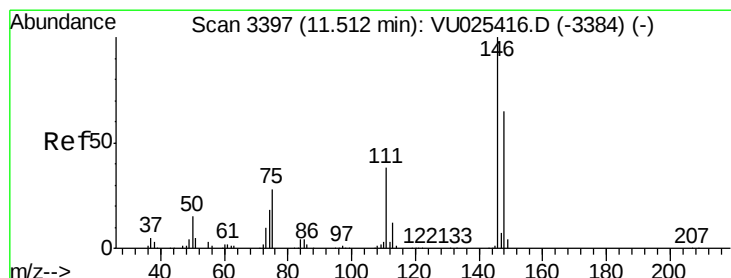
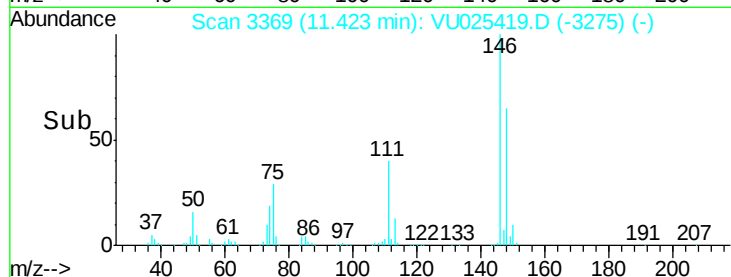
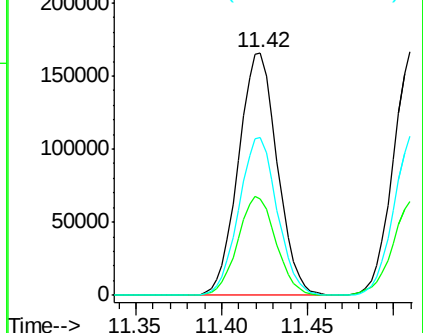
148 65.2 45.1 83.9



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: 48.953 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

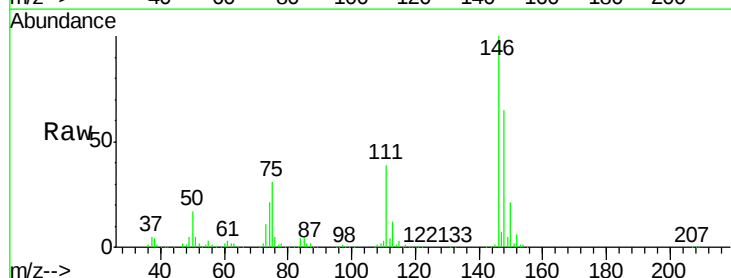
Tgt Ion:146 Resp: 261220

Ion Ratio Lower Upper

146 100

111 38.8 26.6 49.4

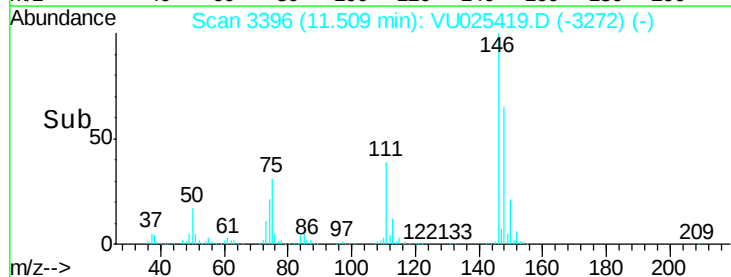
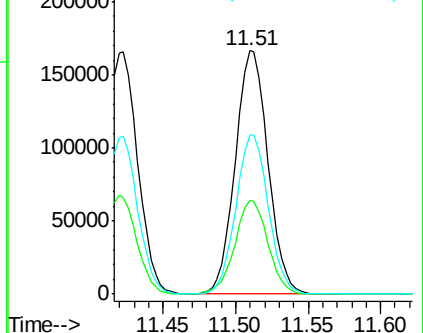
148 65.3 45.6 84.6

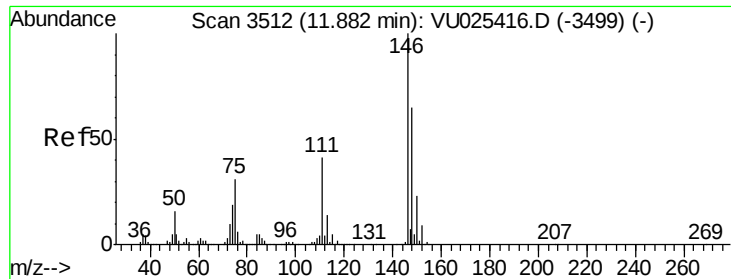


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

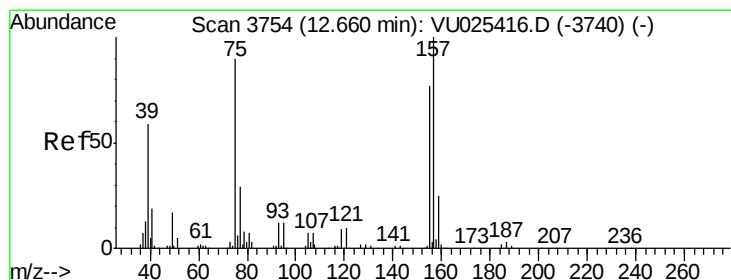
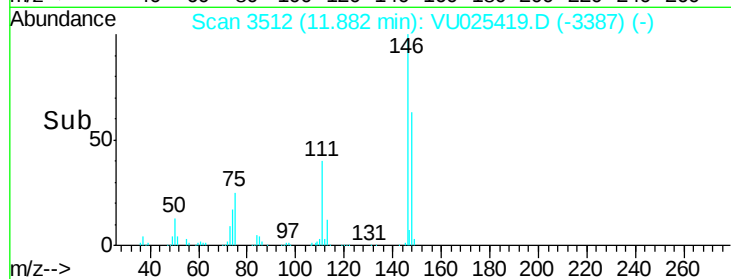
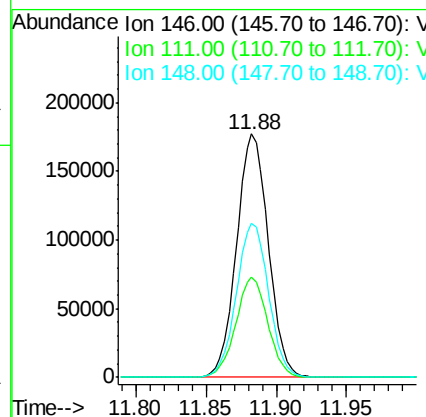
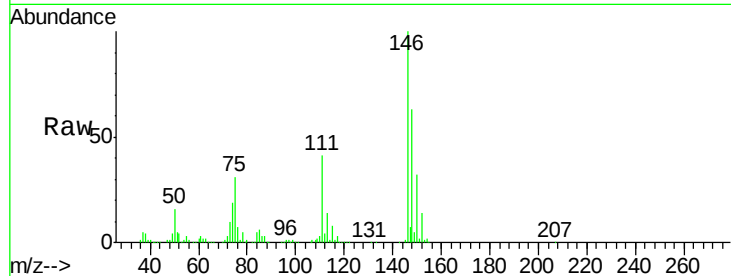




#65
 1,2-Dichlorobenzene
 Concen: 49.825 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

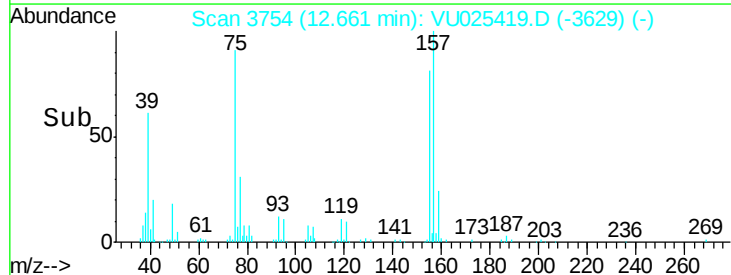
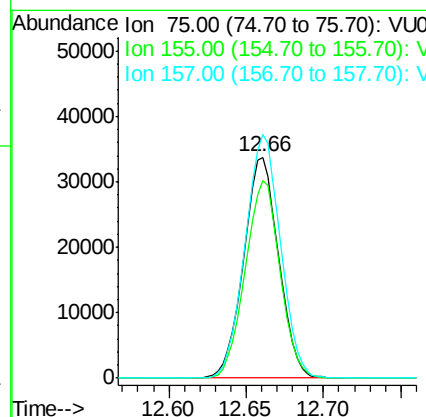
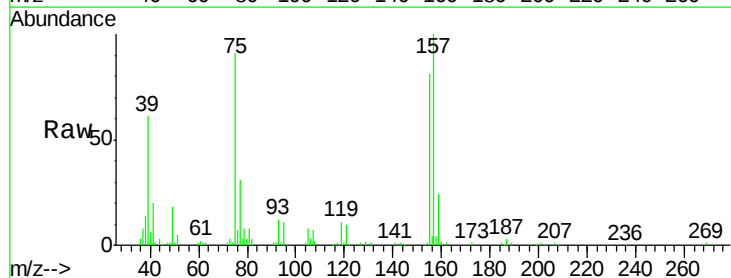
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

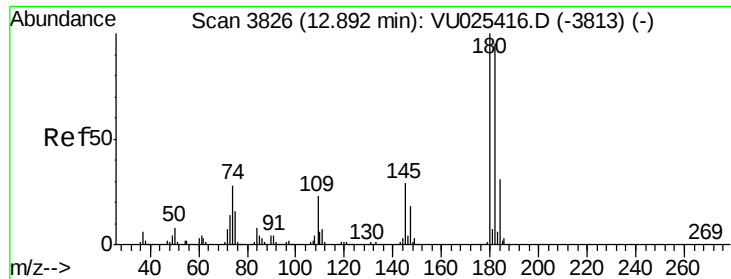
Tgt Ion: 146 Resp: 279451
 Ion Ratio Lower Upper
 146 100
 111 41.1 33.0 49.4
 148 63.4 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.439 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025419.D
 Acq: 16 Jul 2018 12:03

Tgt Ion: 75 Resp: 53081
 Ion Ratio Lower Upper
 75 100
 155 89.3 68.7 103.1
 157 110.2 89.0 133.4





#67

1,3,5-Trichlorobenzene

Concen: 48.404 ug/L

RT: 12.89 min Scan# 3826

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

VICV56

Tgt Ion:180 Resp: 192531

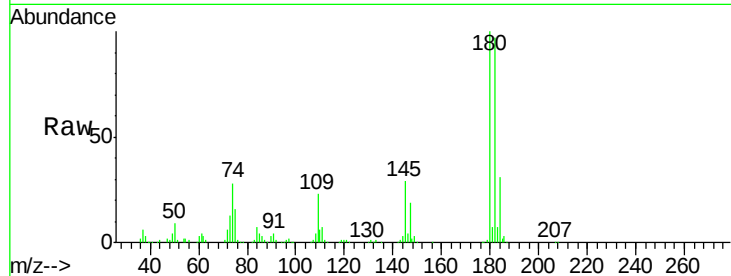
Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

184 31.0 24.6 36.8

145 29.7 23.3 34.9

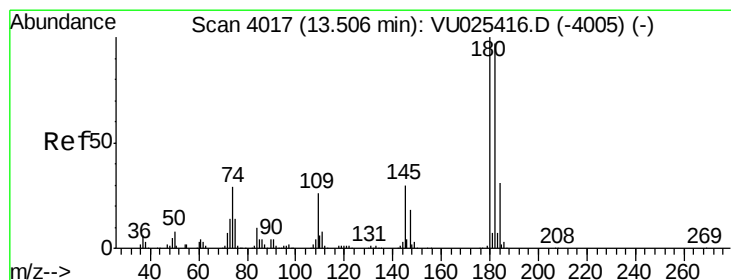
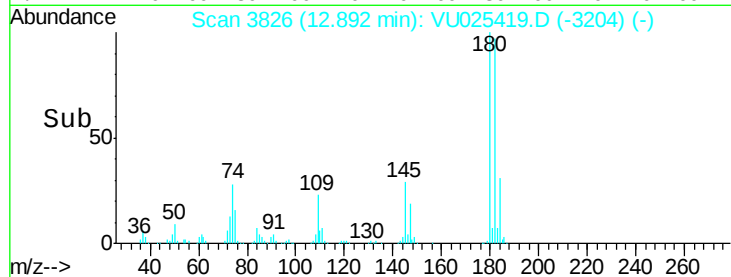
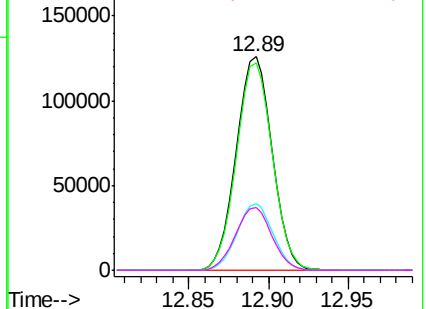


Abundance Ion 180.00 (179.70 to 180.70): V

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: 50.828 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

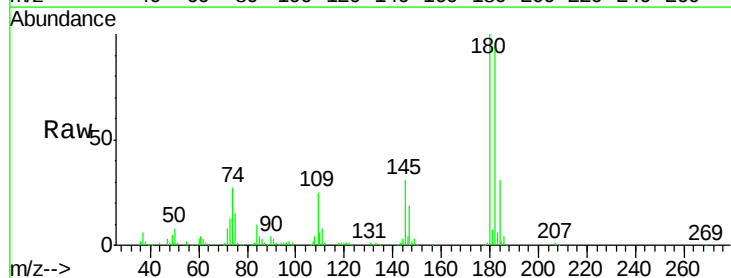
Tgt Ion:180 Resp: 174855

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

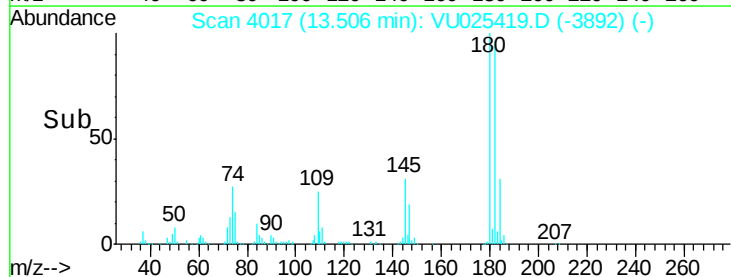
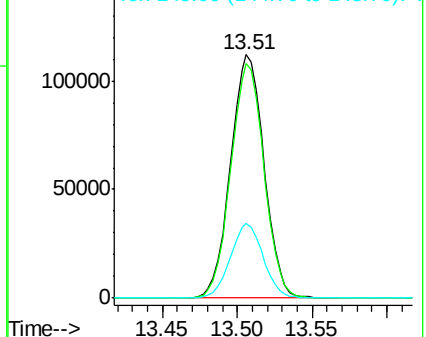
145 30.0 24.2 36.2

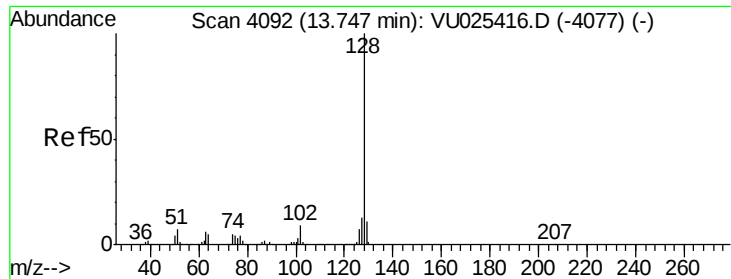


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.251 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

VICV56

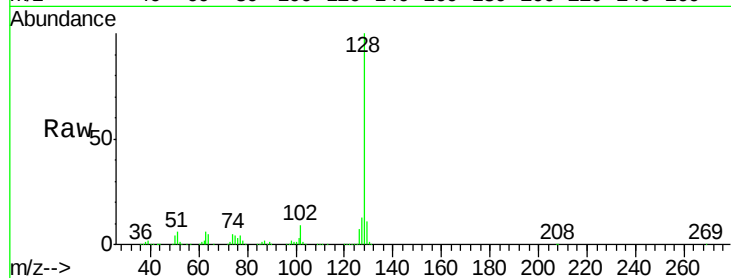
Tgt Ion:128 Resp: 650249

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

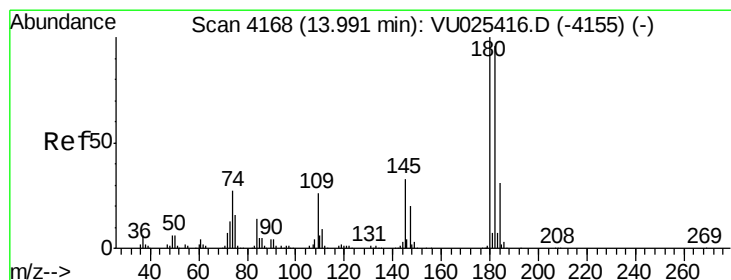
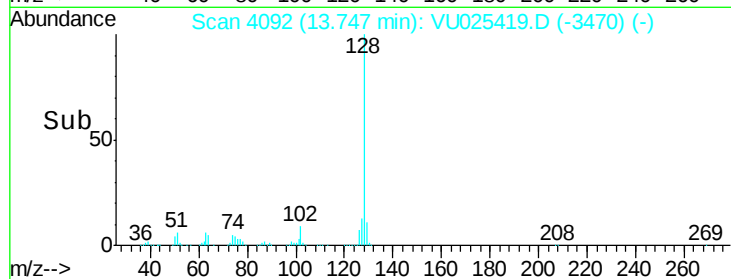
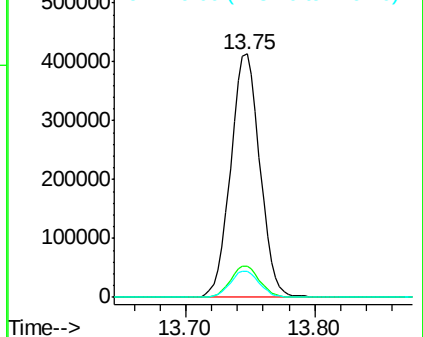
129 10.9 8.6 13.0



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: 51.129 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025419.D

Acq: 16 Jul 2018 12:03

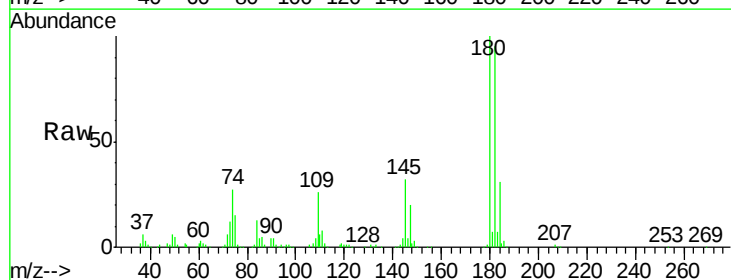
Tgt Ion:180 Resp: 189036

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

145 31.9 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

