

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071918\
 Data File : VU025512.D
 Acq On : 19 Jul 2018 09:46
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Quant Time: Jul 20 02:35:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325827	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	308320	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161125	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66913	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.10%
7) Chloroethane-d5	1.68	69	60986	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.18%
11) 1,1-Dichloroethene-d2	2.28	63	160908	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
21) 2-Butanone-d5	4.17	46	140963	86.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.21%
24) Chloroform-d	4.65	84	193571	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	5.31	65	126707	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.35	84	345636	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
36) 1,2-Dichloropropane-d6	6.33	67	117686	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.57	98	337392	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.85	79	60187	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	104109	81.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.39%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173239	47.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	151427	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	134632	50.224	ug/L 99
3) Chloromethane	1.33	50	118257	49.851	ug/L 100
5) Vinyl chloride	1.41	62	118027	49.484	ug/L 98
6) Bromomethane	1.63	94	76301	58.694	ug/L 95
8) Chloroethane	1.70	64	72477	50.777	ug/L 100
9) Trichlorofluoromethane	1.89	101	180950	51.604	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	103444	54.335	ug/L 99
12) 1,1-Dichloroethene	2.29	96	89319	50.576	ug/L 93
13) Acetone	2.32	43	169504	118.718	ug/L 98
14) Carbon disulfide	2.48	76	275063	48.201	ug/L 100
15) Methyl Acetate	2.62	43	112028	42.456	ug/L 99
16) Methylene chloride	2.71	84	119537	51.758	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	105892	50.692	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	359796	48.611	ug/L 100
19) 1,1-Dichloroethane	3.45	63	207762	49.719	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	124036	48.498	ug/L 97
22) 2-Butanone	4.26	43	193302	98.359	ug/L 100

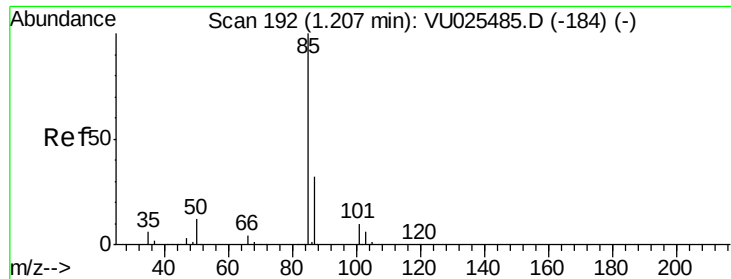
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071918\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65920	51.424	ug/L	96
25) Chloroform	4.68	83	218152	49.683	ug/L	97
27) 1,2-Dichloroethane	5.41	62	176499	48.404	ug/L	98
29) Cyclohexane	5.00	56	178918	50.393	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	201007	48.990	ug/L	100
31) Carbon tetrachloride	5.14	117	180441	50.060	ug/L	100
33) Benzene	5.39	78	447738	49.087	ug/L	100
34) Trichloroethene	6.19	95	118117	48.918	ug/L	97
35) Methylcyclohexane	6.42	83	194594	53.081	ug/L	97
37) 1,2-Dichloropropane	6.44	63	123416	49.048	ug/L	99
38) Bromodichloromethane	6.76	83	167460	49.290	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	198662	50.957	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	309115	84.705	ug/L	100
42) Toluene	7.64	91	492440	50.632	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	187390	50.069	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	119174	49.954	ug/L	97
46) Tetrachloroethene	8.23	164	103089	51.179	ug/L	99
48) 2-Hexanone	8.36	43	263392	90.338	ug/L	99
49) Dibromochloromethane	8.48	129	143666	49.746	ug/L	97
50) 1,2-Dibromoethane	8.59	107	126242	47.942	ug/L	99
51) Chlorobenzene	9.12	112	332615	50.969	ug/L	98
52) Ethylbenzene	9.25	91	551635	50.811	ug/L	100
53) m,p-Xylene	9.38	106	214597	51.571	ug/L	100
54) o-xylene	9.78	106	215238	51.272	ug/L	94
55) Styrene	9.80	104	361389	52.122	ug/L	98
56) Isopropylbenzene	10.17	105	562780	51.767	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	190281	46.327	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	150239	44.899	ug/L	99
61) Bromoform	9.96	173	105997	46.636	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	268474	50.274	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	270927	50.203	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	281818	49.978	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	41764	39.577	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	214931	52.362	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	182393	49.832	ug/L	100
69) Naphthalene	13.74	128	544699	43.010	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	191255	48.450	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.224 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

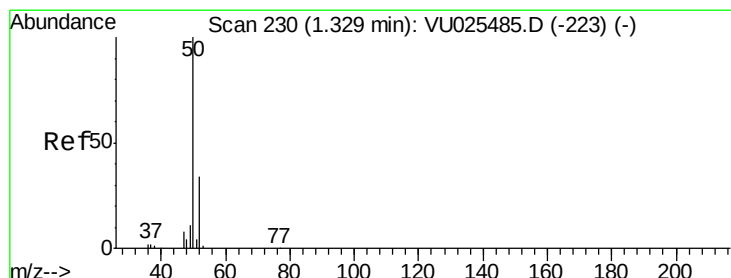
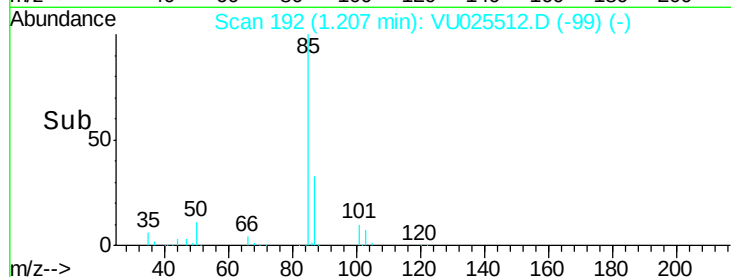
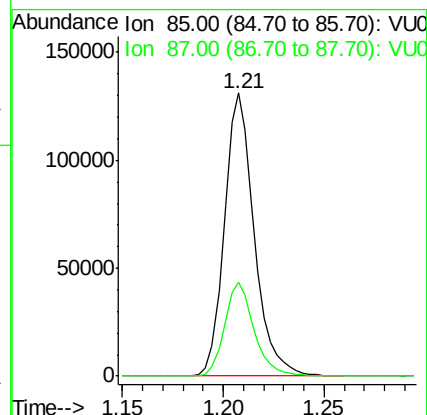
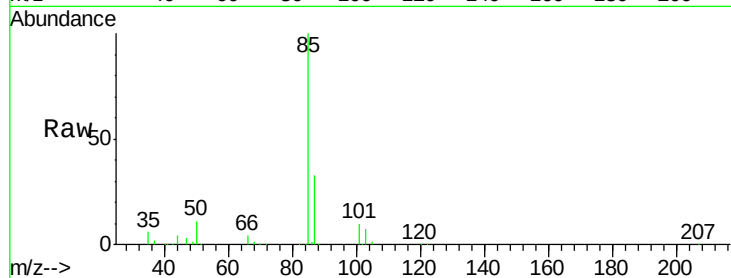
BFB45

Tgt Ion: 85 Resp: 134632

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



#3

Chloromethane

Concen: 49.851 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025512.D

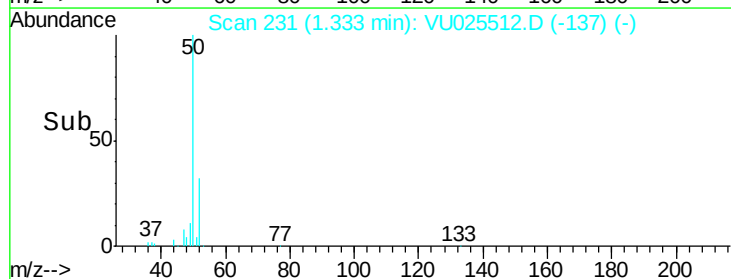
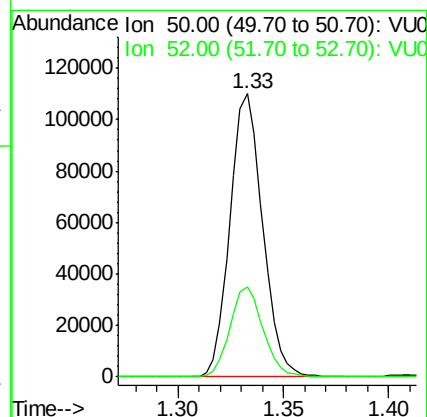
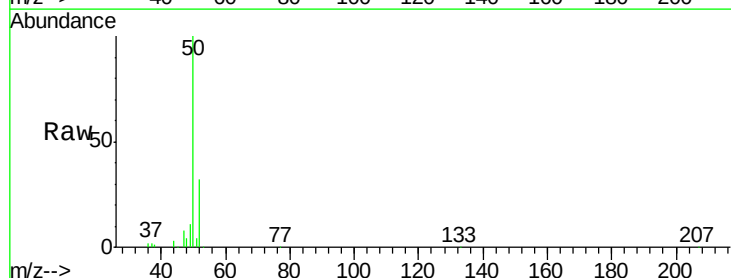
Acq: 19 Jul 2018 09:46

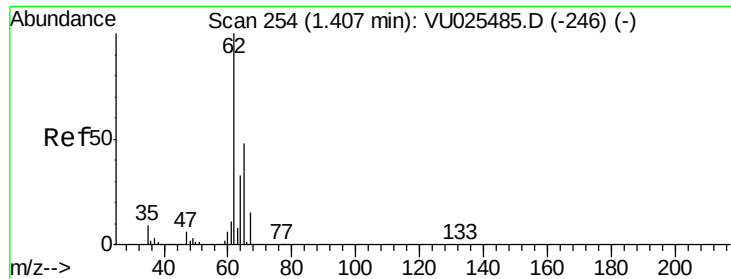
Tgt Ion: 50 Resp: 118257

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6





#5

Vinyl chloride

Concen: 49.484 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

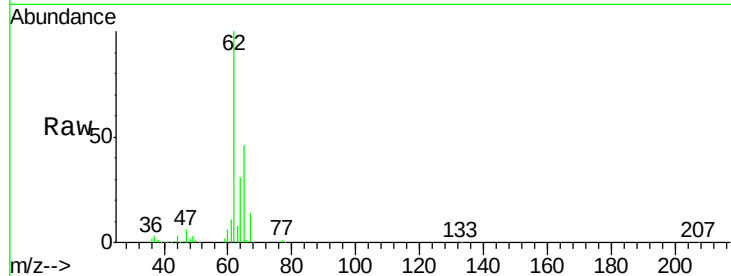
BFB45

Tgt Ion: 62 Resp: 118027

Ion Ratio Lower Upper

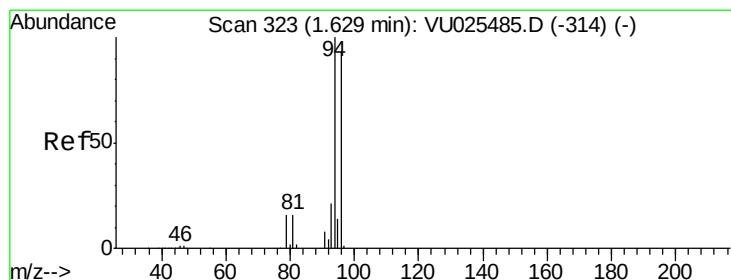
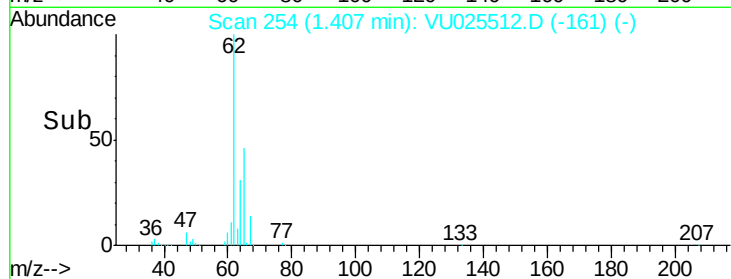
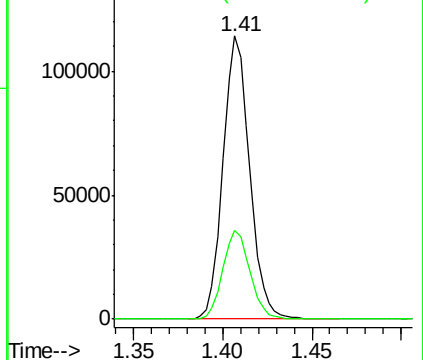
62 100

64 31.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 58.694 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025512.D

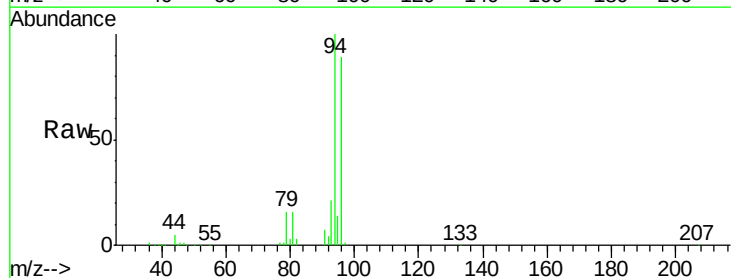
Acq: 19 Jul 2018 09:46

Tgt Ion: 94 Resp: 76301

Ion Ratio Lower Upper

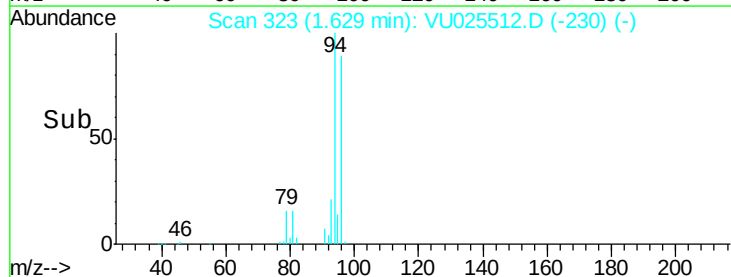
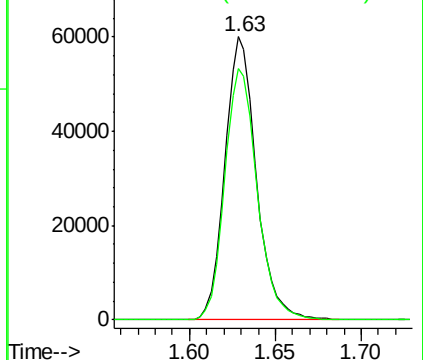
94 100

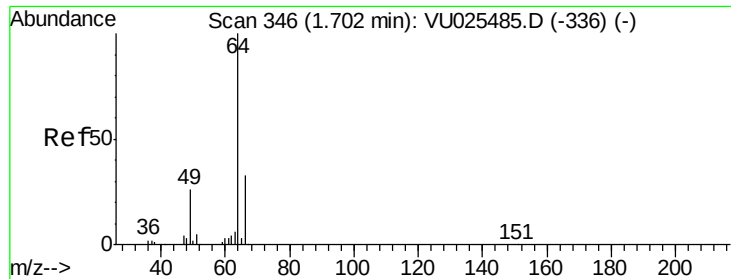
96 89.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 50.777 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

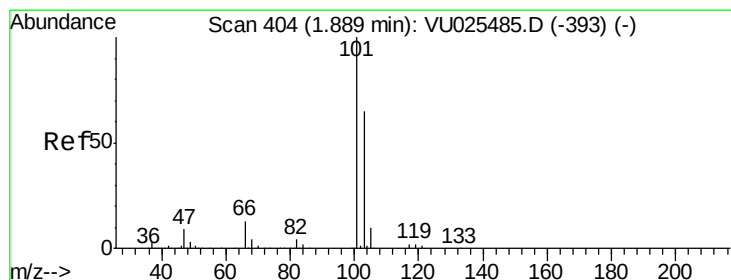
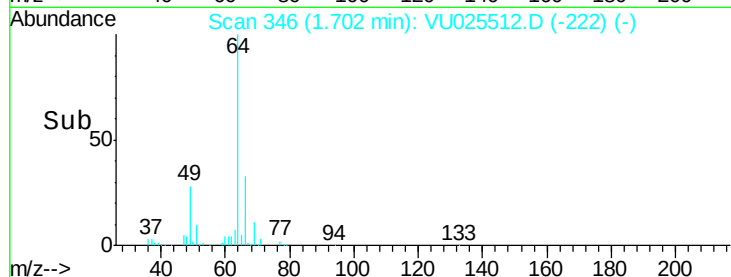
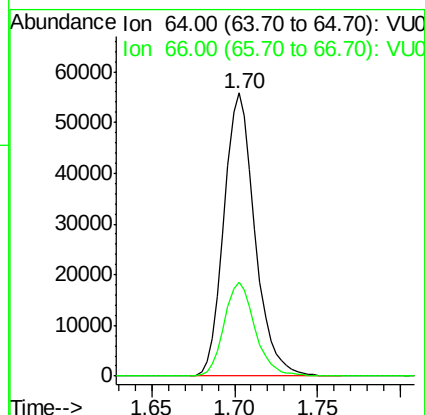
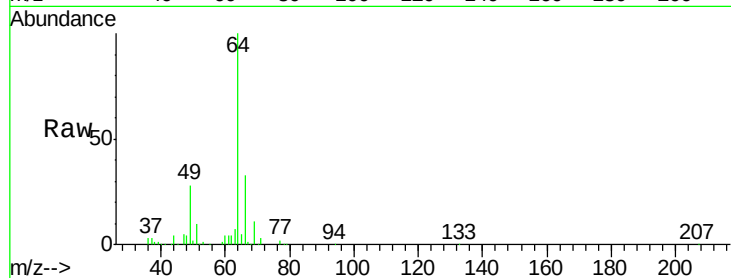
BFB45

Tgt Ion: 64 Resp: 72477

Ion Ratio Lower Upper

64 100

66 33.1 23.0 42.8



#9

Trichlorofluoromethane

Concen: 51.604 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025512.D

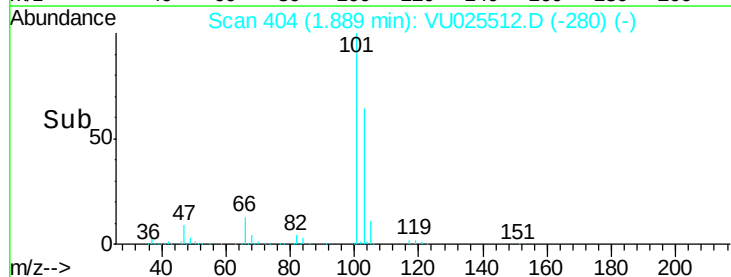
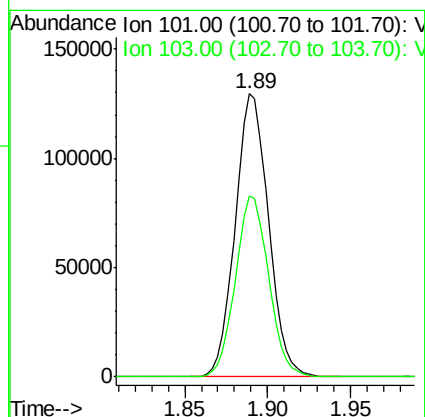
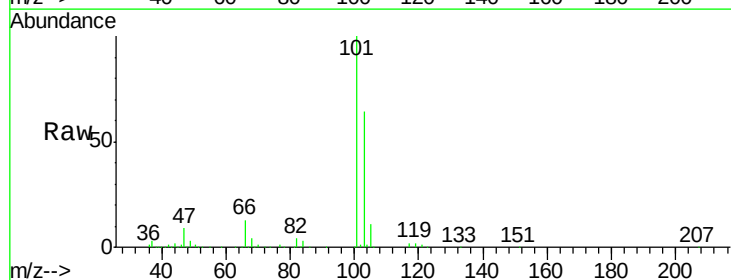
Acq: 19 Jul 2018 09:46

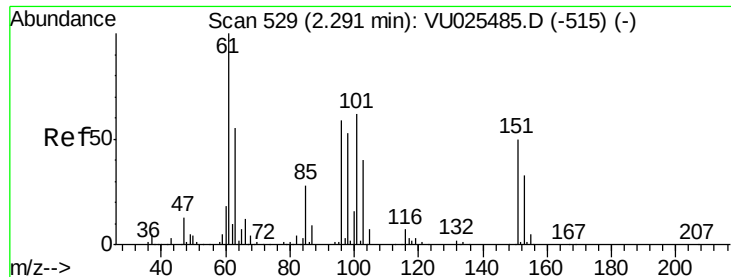
Tgt Ion: 101 Resp: 180950

Ion Ratio Lower Upper

101 100

103 64.0 52.3 78.5





#10

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

Concen: 54.335 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampled :

BFB45

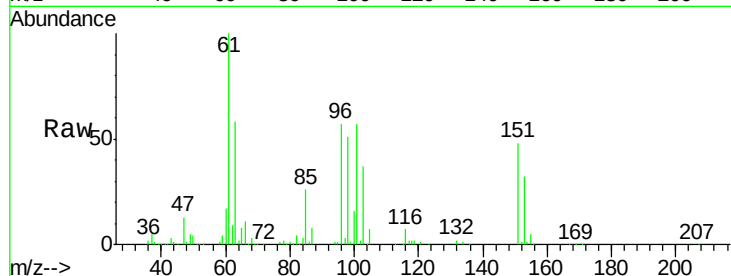
Tgt Ion:101 Resp: 103444

Ion Ratio Lower Upper

101 100

85 44.9 35.4 53.2

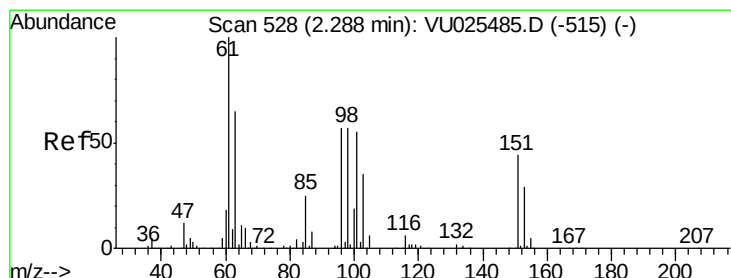
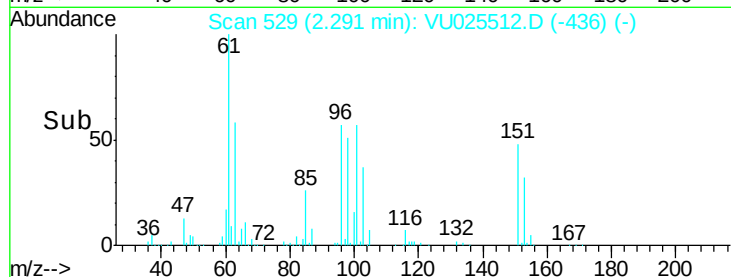
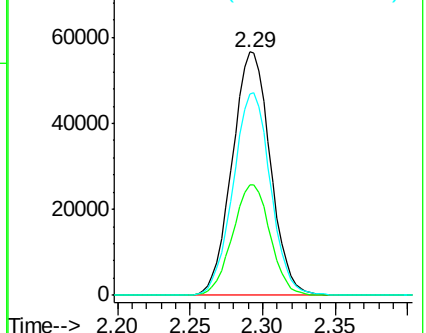
151 82.0 65.0 97.4



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: 50.576 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

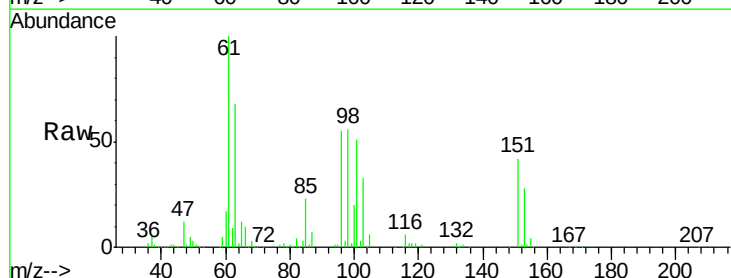
Tgt Ion: 96 Resp: 89319

Ion Ratio Lower Upper

96 100

61 180.7 120.6 224.0

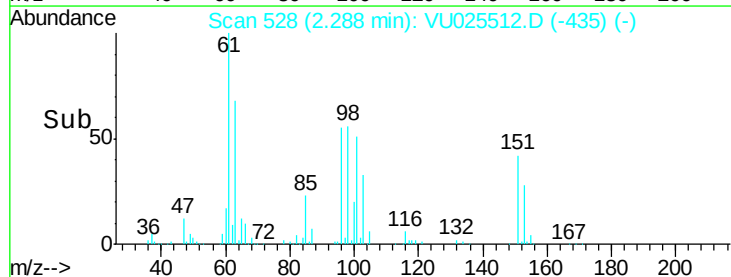
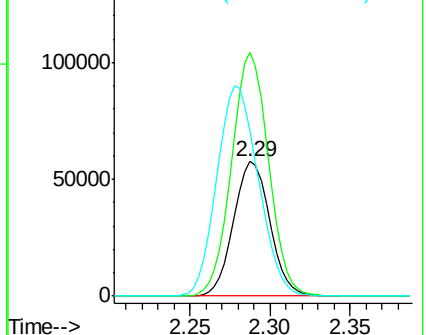
63 122.6 79.3 147.3

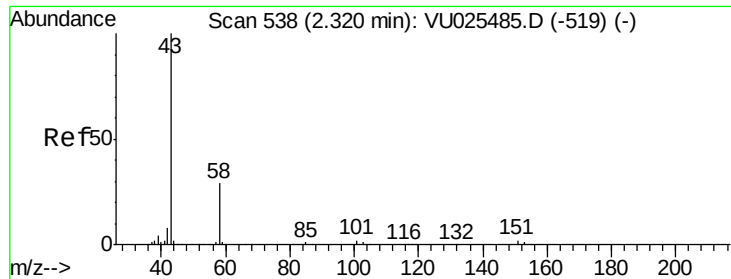


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 118.718 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

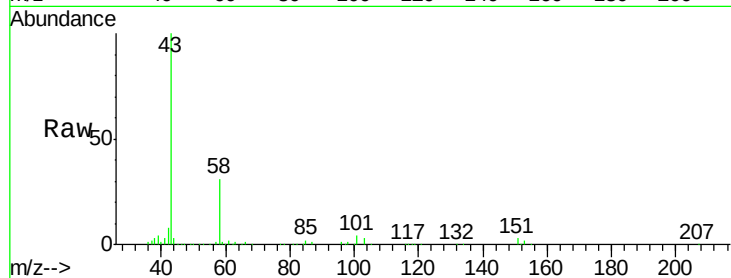
BFB45

Tgt Ion: 43 Resp: 169504

Ion Ratio Lower Upper

43 100

58 30.8 0.0 59.0



Abundance Ion 43.00 (42.70 to 43.70): VU025512.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025512.D (-445) (-)

2.32

120000

100000

80000

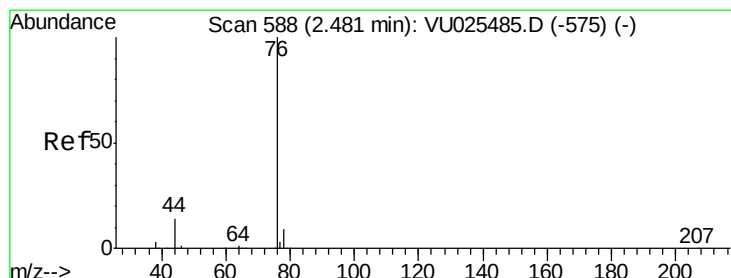
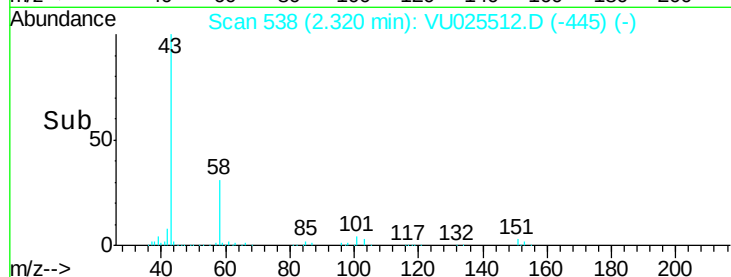
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 48.201 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025512.D

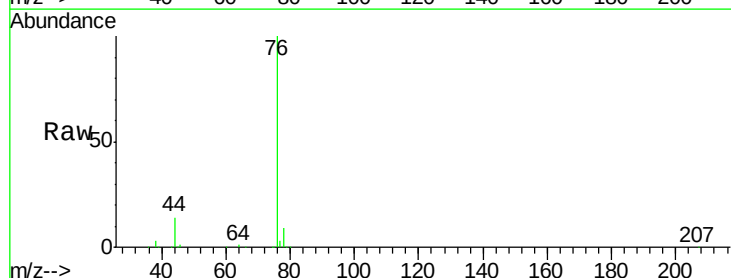
Acq: 19 Jul 2018 09:46

Tgt Ion: 76 Resp: 275063

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025512.D (-495) (-)

Ion 78.00 (77.70 to 78.70): VU025512.D (-495) (-)

2.48

200000

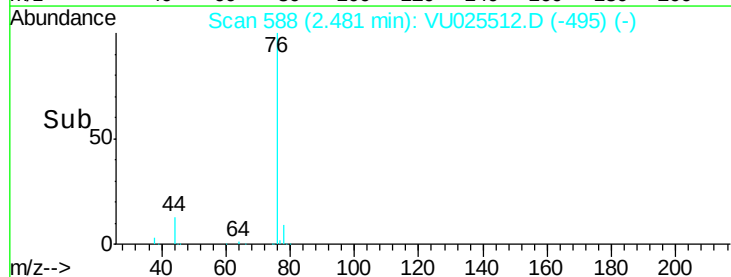
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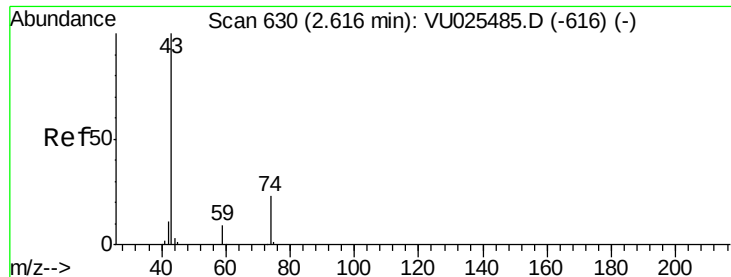
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 42.456 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampled :

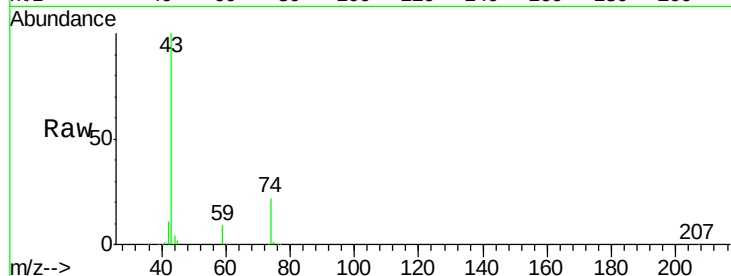
BFB45

Tgt Ion: 43 Resp: 112028

Ion Ratio Lower Upper

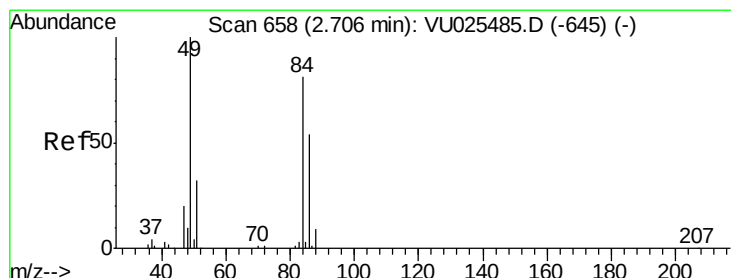
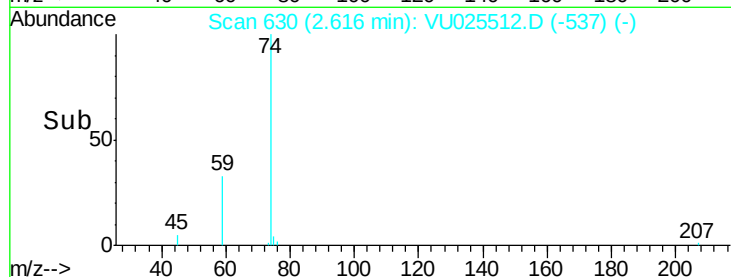
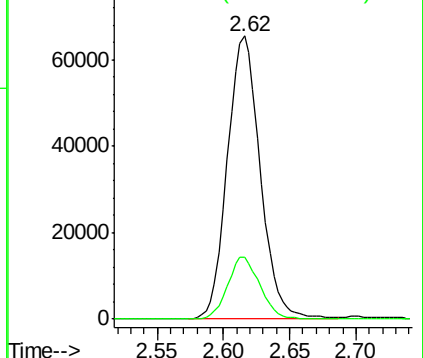
43 100

74 21.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 51.758 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

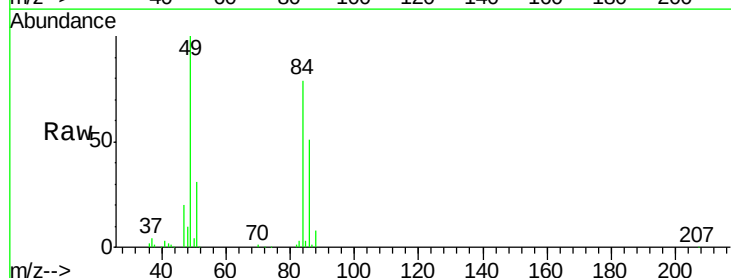
Tgt Ion: 84 Resp: 119537

Ion Ratio Lower Upper

84 100

86 64.3 46.3 85.9

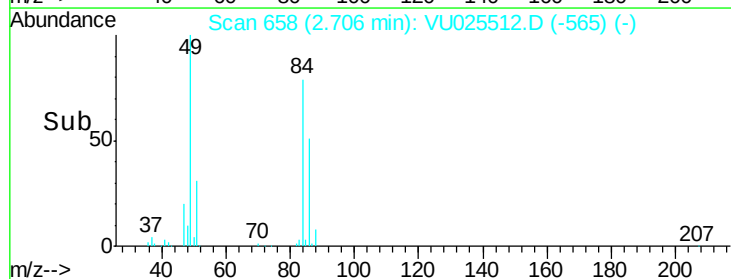
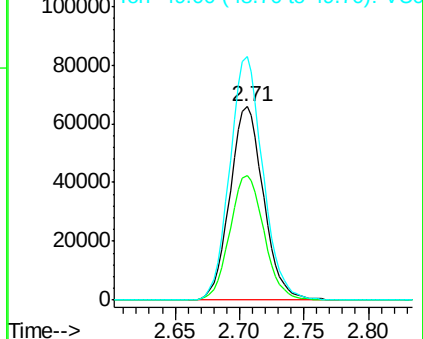
49 126.0 87.9 163.3

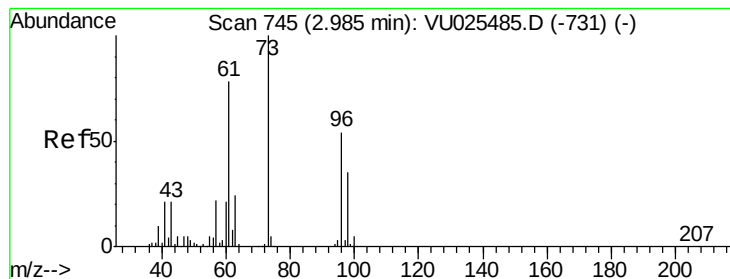


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 50.692 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

BFB45

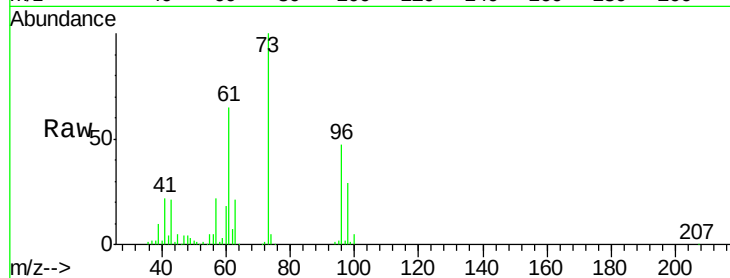
Tgt Ion: 96 Resp: 105892

Ion Ratio Lower Upper

96 100

61 138.5 103.6 192.4

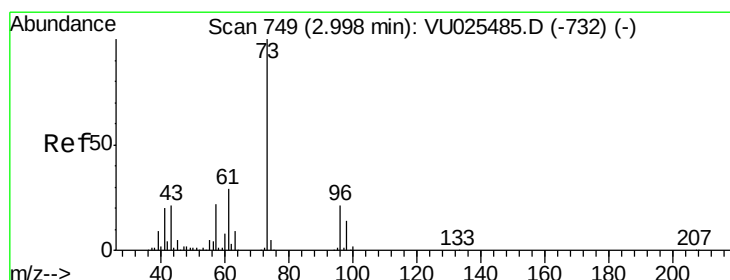
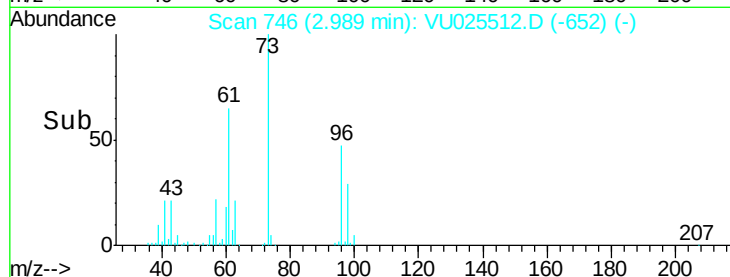
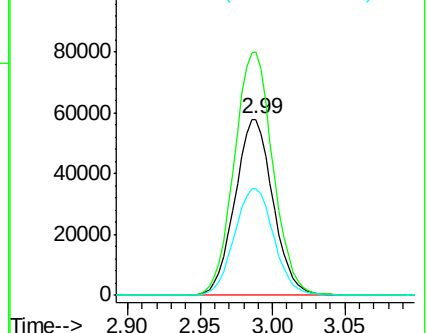
98 60.9 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU025512.D (-652) (-)

Ion 61.00 (60.70 to 61.70): VU025512.D (-652) (-)

Ion 98.00 (97.70 to 98.70): VU025512.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 48.611 ug/L

RT: 3.00 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

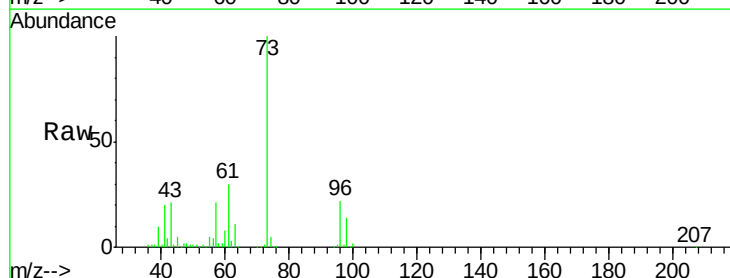
Tgt Ion: 73 Resp: 359796

Ion Ratio Lower Upper

73 100

43 20.7 16.6 24.8

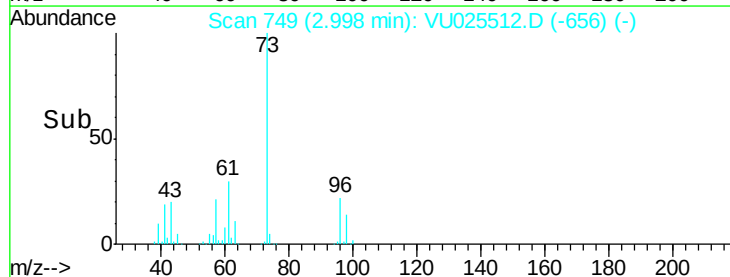
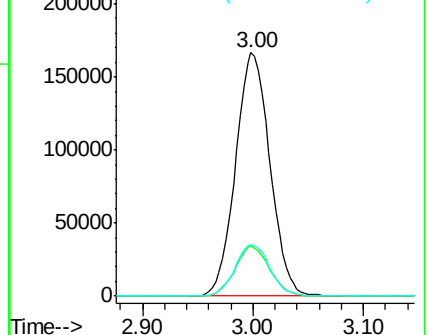
57 21.5 17.0 25.6

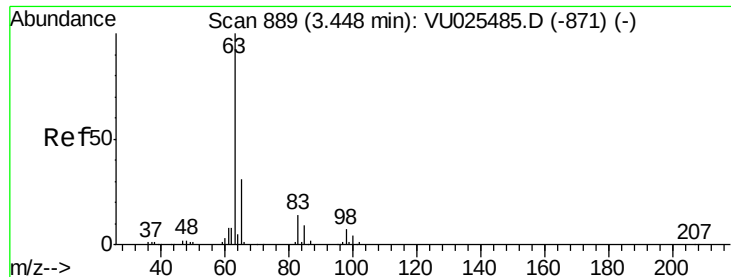


Abundance Ion 73.00 (72.70 to 73.70): VU025512.D (-656) (-)

Ion 43.00 (42.70 to 43.70): VU025512.D (-656) (-)

Ion 57.00 (56.70 to 57.70): VU025512.D (-656) (-)

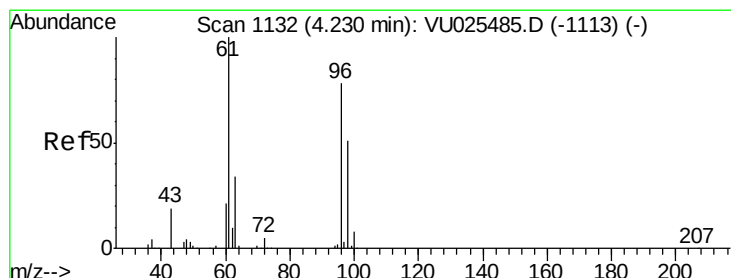
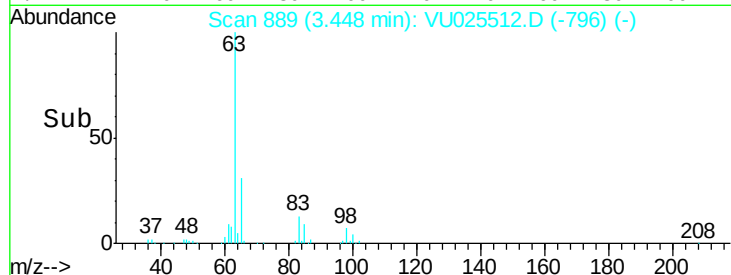
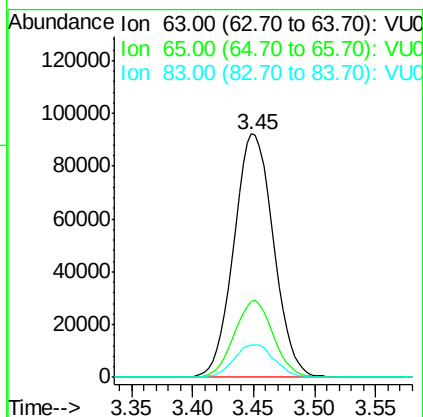
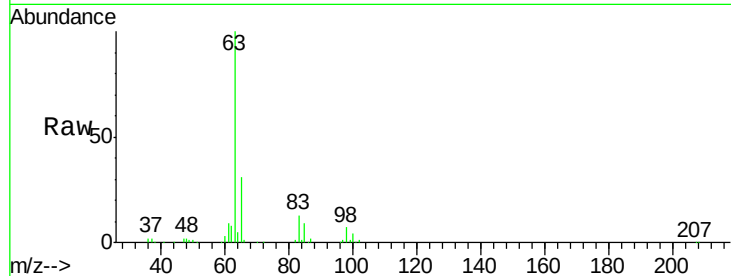




#19
 1,1-Dichloroethane
 Concen: 49.719 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

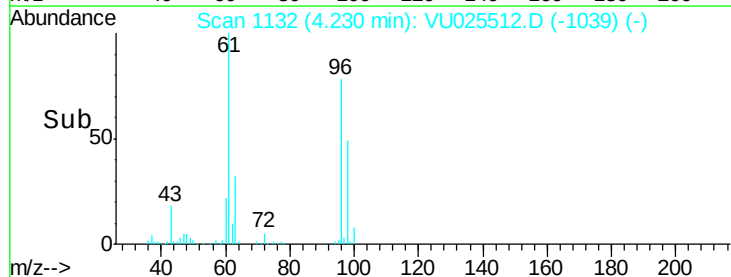
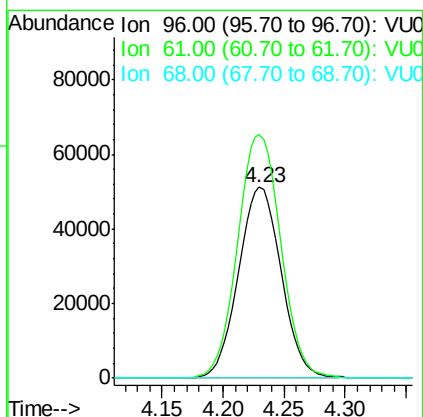
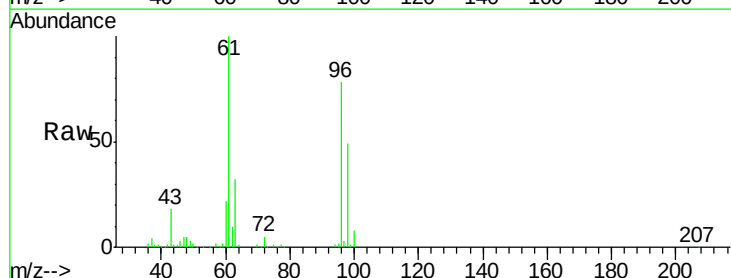
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

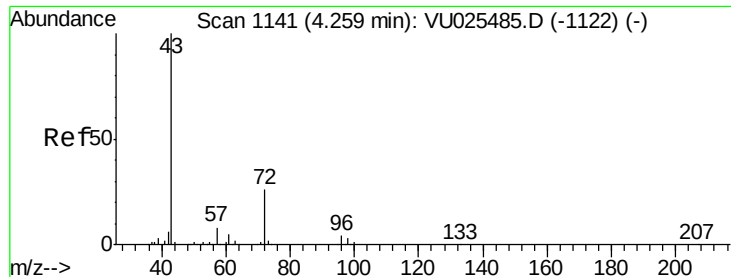
Tgt Ion: 63 Resp: 207762
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.7 42.1
 83 13.4 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.498 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Tgt Ion: 96 Resp: 124036
 Ion Ratio Lower Upper
 96 100
 61 127.5 91.7 170.3
 68 0.0 0.0 0.0

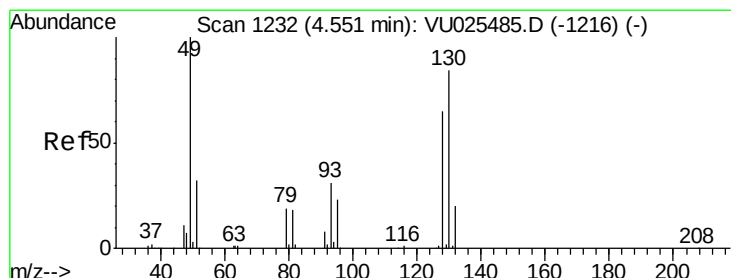
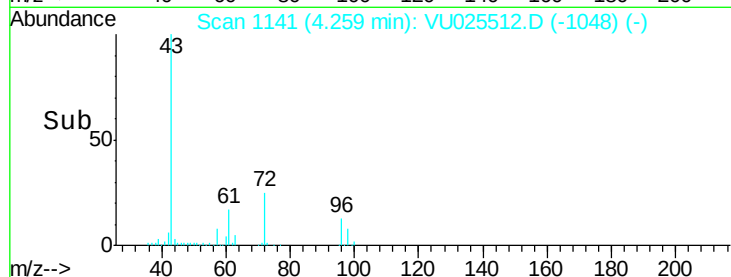
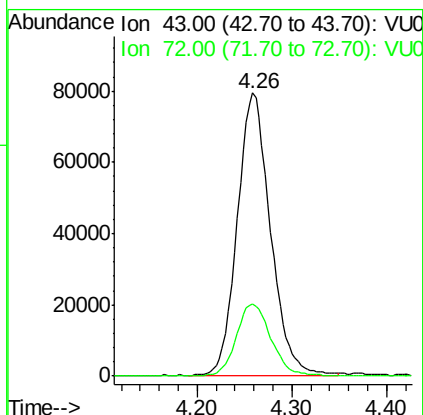
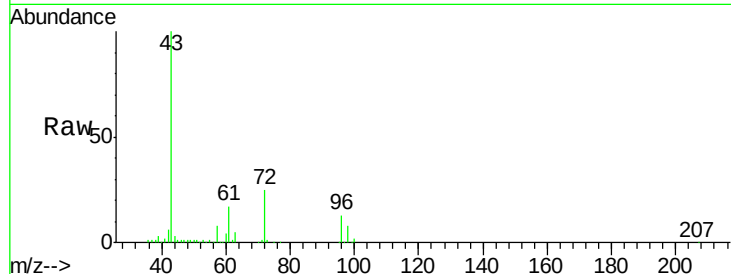




#22
2-Butanone
Concen: 98.359 ug/L
RT: 4.26 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

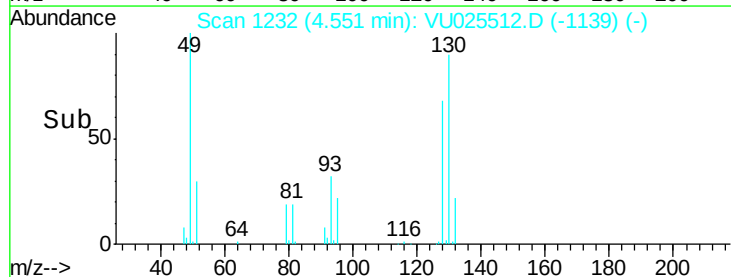
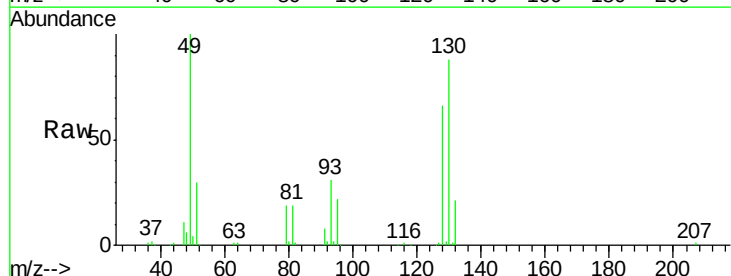
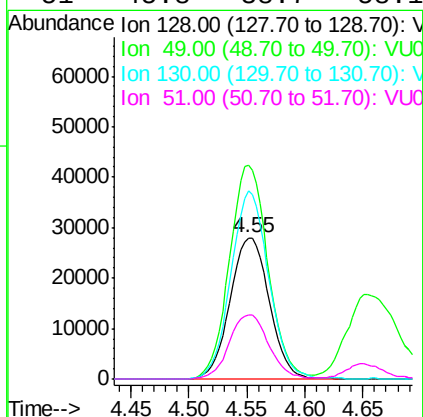
Instrument :
MSVOA_U
ClientSampleId :
BFB45

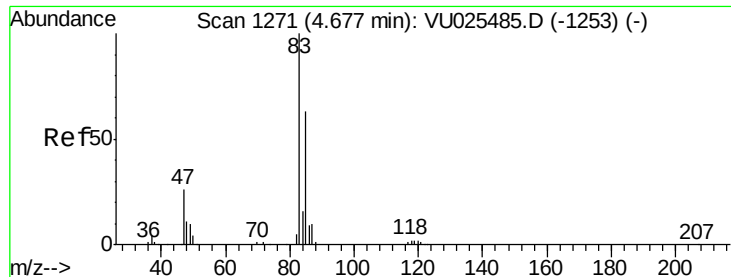
Tgt Ion: 43 Resp: 193302
Ion Ratio Lower Upper
43 100
72 27.1 13.4 40.2



#23
Bromochloromethane
Concen: 51.424 ug/L
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion: 128 Resp: 65920
Ion Ratio Lower Upper
128 100
49 151.3 103.0 191.2
130 133.0 88.5 164.3
51 45.8 38.7 58.1





#25

Chloroform

Concen: 49.683 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

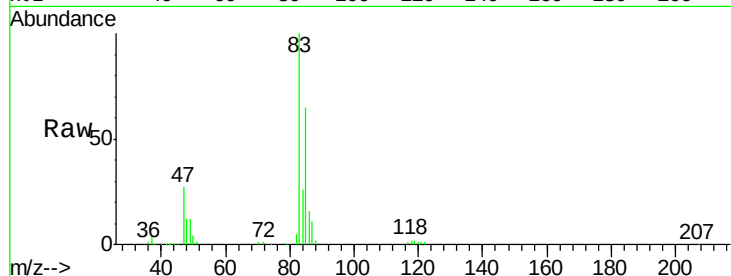
BFB45

Tgt Ion: 83 Resp: 218152

Ion Ratio Lower Upper

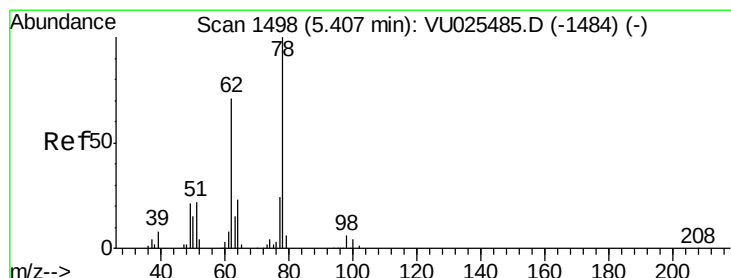
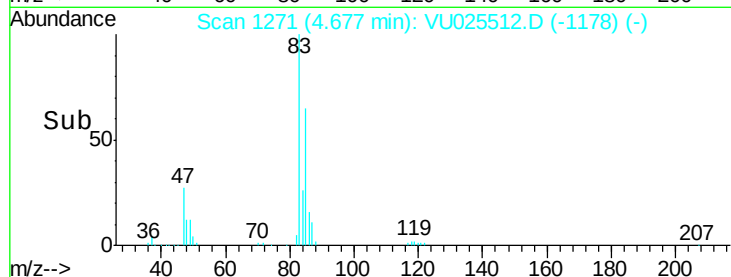
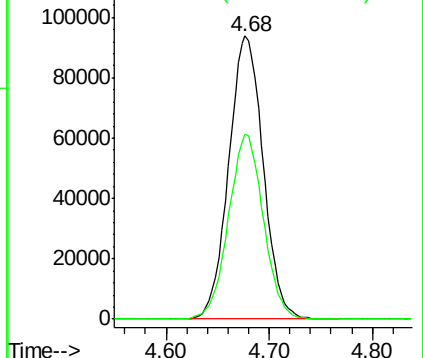
83 100

85 65.2 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 48.404 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU025512.D

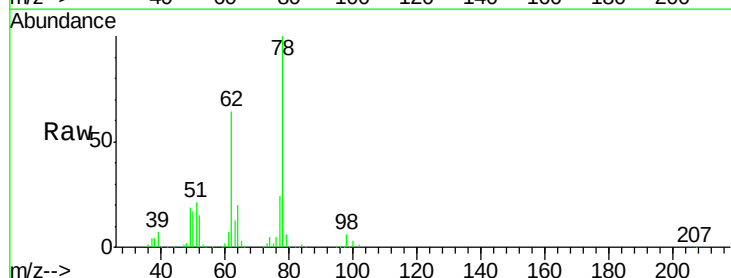
Acq: 19 Jul 2018 09:46

Tgt Ion: 62 Resp: 176499

Ion Ratio Lower Upper

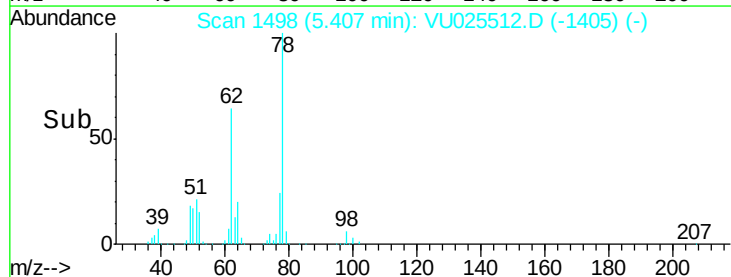
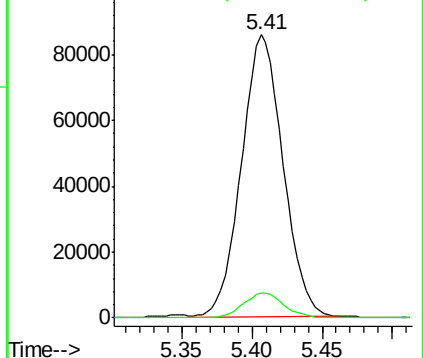
62 100

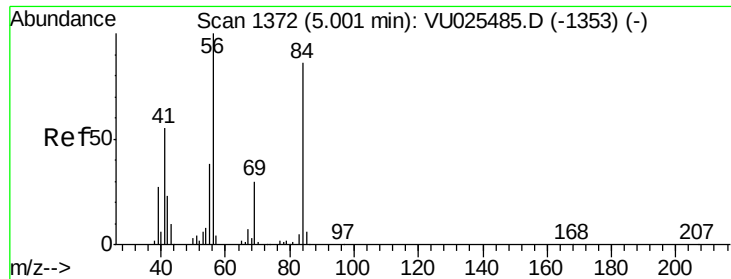
98 8.8 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

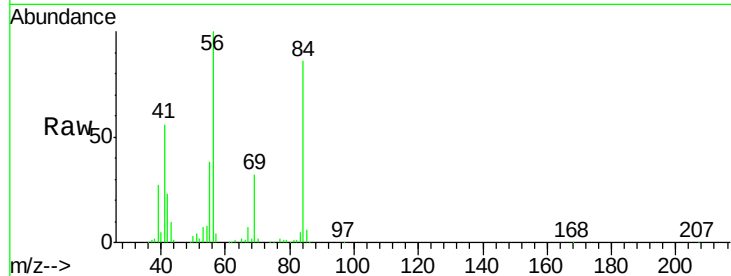




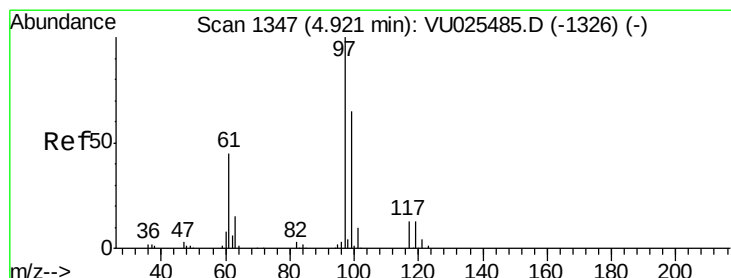
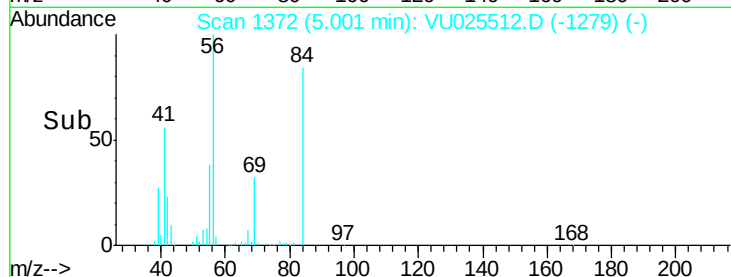
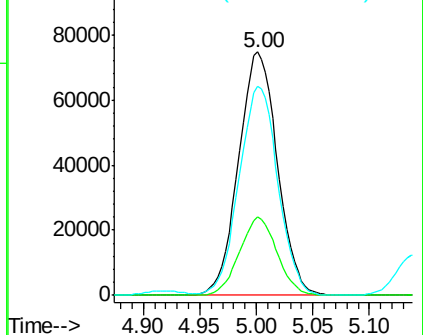
#29
Cyclohexane
Concen: 50.393 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion: 56 Resp: 178918
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 85.9 70.3 105.5

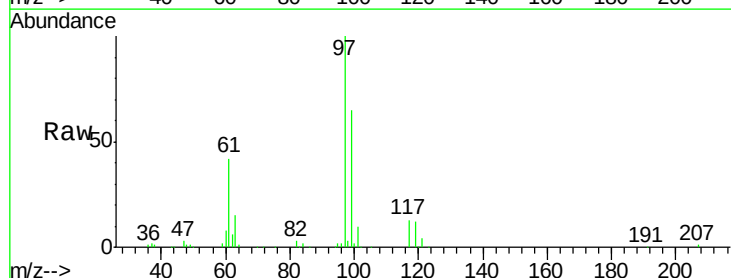


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

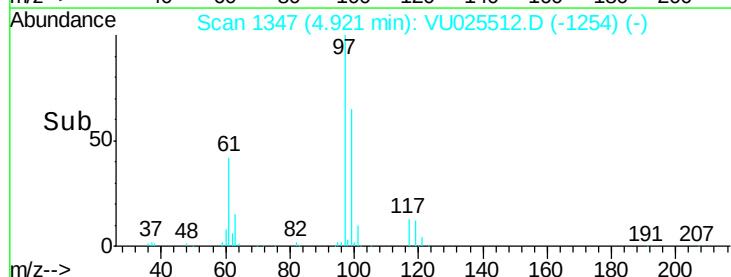
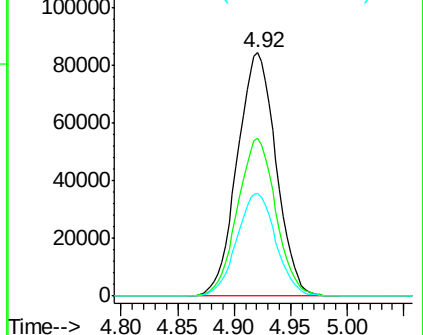


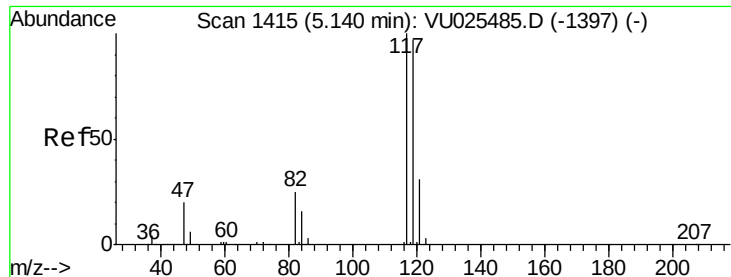
#30
1,1,1-Trichloroethane
Concen: 48.990 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion: 97 Resp: 201007
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 42.4 34.1 51.1



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

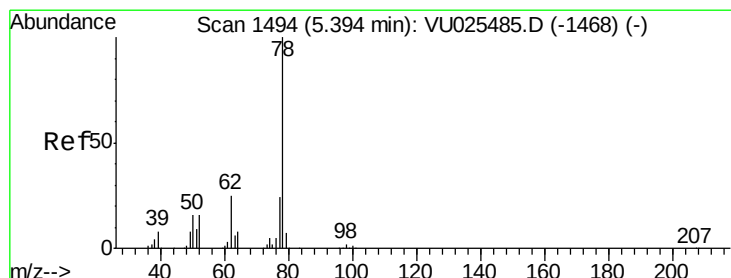
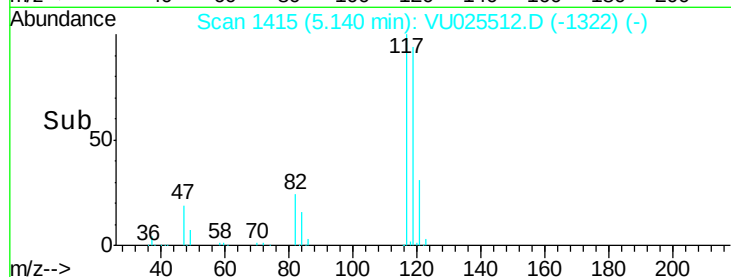
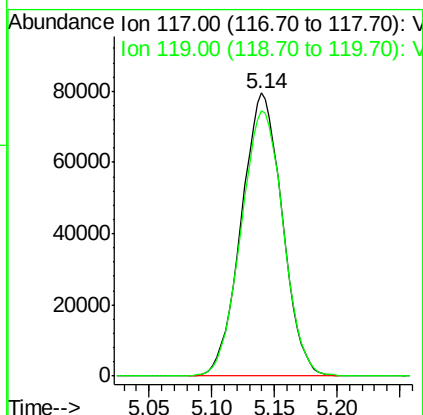
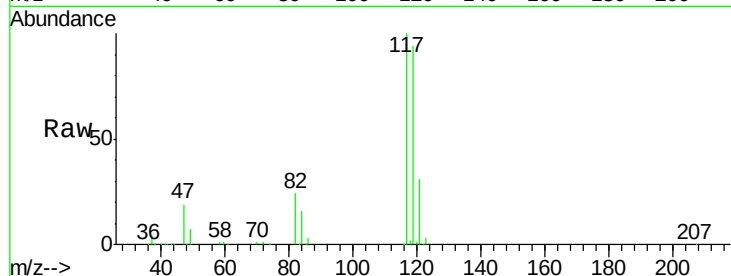




#31
Carbon tetrachloride
Concen: 50.060 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

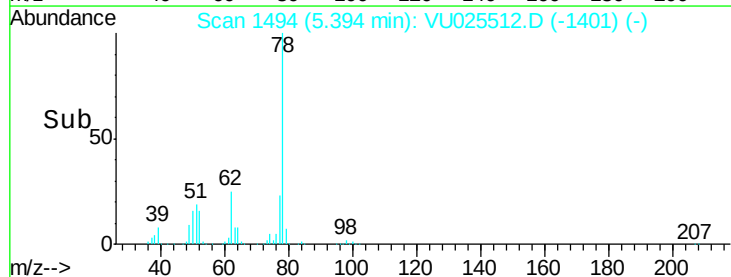
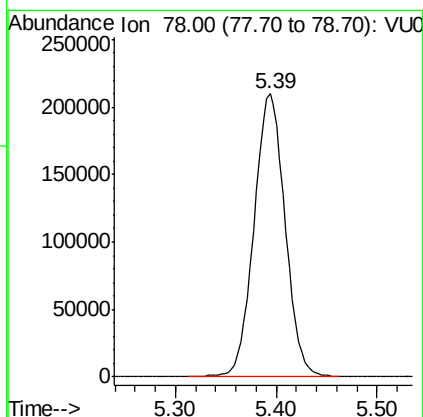
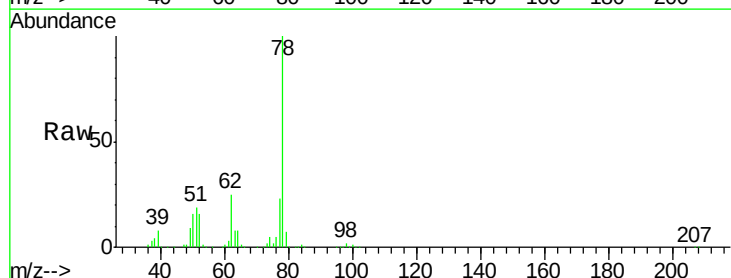
Instrument :
MSVOA_U
ClientSampleId :
BFB45

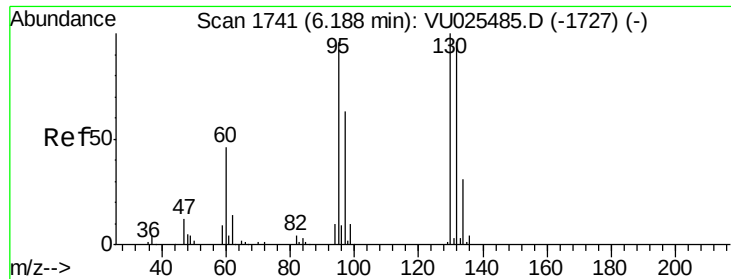
Tgt Ion:117 Resp: 180441
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7



#33
Benzene
Concen: 49.087 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion: 78 Resp: 447738





#34

Trichloroethene

Concen: 48.918 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

BFB45

Tgt Ion: 95 Resp: 118117

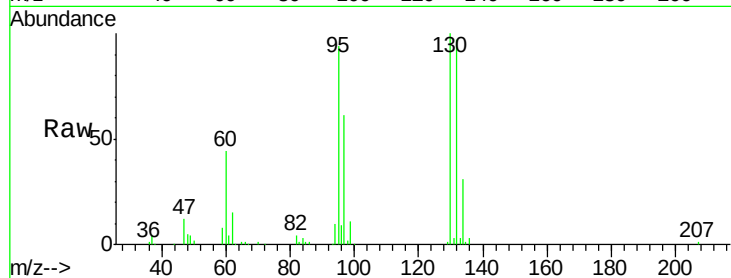
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 102.5 68.2 126.6

130 106.0 71.8 133.4

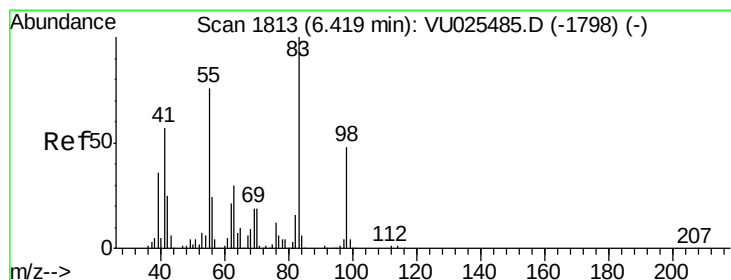
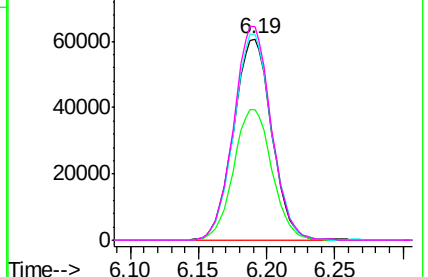
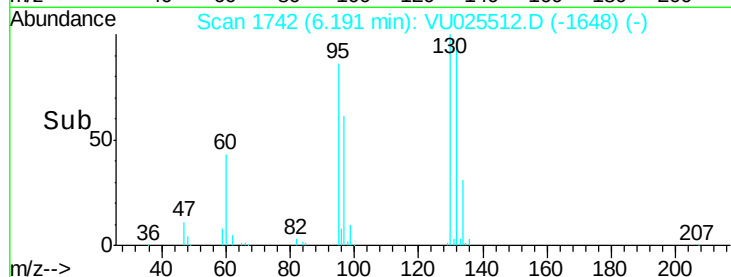


Abundance Ion 95.00 (94.70 to 95.70): VU025512.D (-1648) (-)

Ion 97.00 (96.70 to 97.70): VU025512.D (-1648) (-)

Ion 132.00 (131.70 to 132.70): VU025512.D (-1648) (-)

Ion 130.00 (129.70 to 130.70): VU025512.D (-1648) (-)



#35

Methylcyclohexane

Concen: 53.081 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

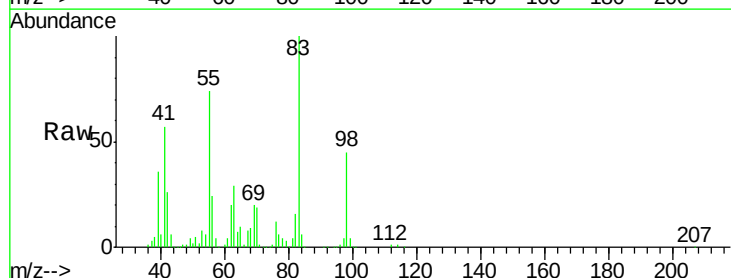
Tgt Ion: 83 Resp: 194594

Ion Ratio Lower Upper

83 100

55 75.1 61.8 92.8

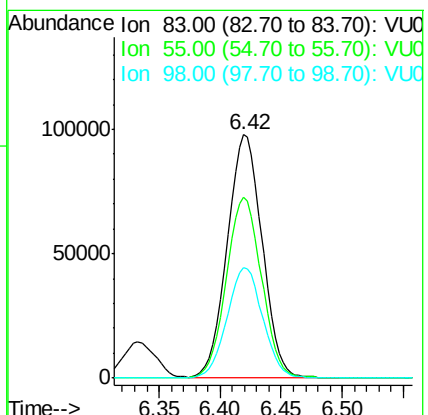
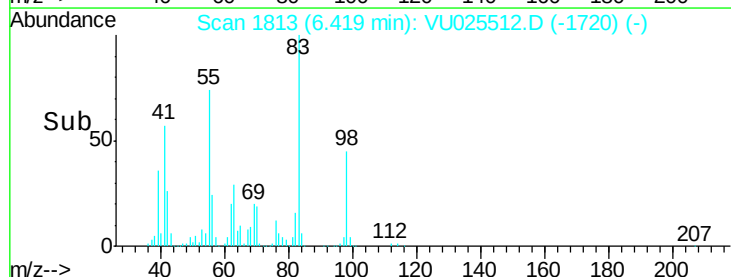
98 46.7 38.7 58.1

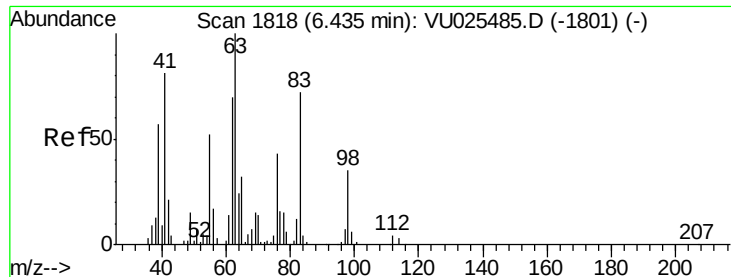


Abundance Ion 83.00 (82.70 to 83.70): VU025512.D (-1720) (-)

Ion 55.00 (54.70 to 55.70): VU025512.D (-1720) (-)

Ion 98.00 (97.70 to 98.70): VU025512.D (-1720) (-)

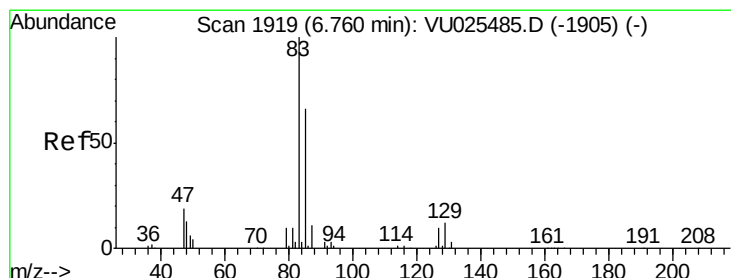
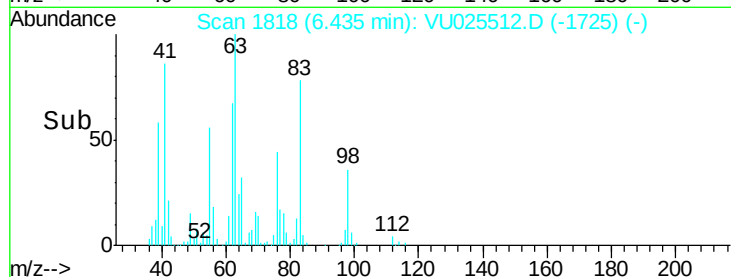
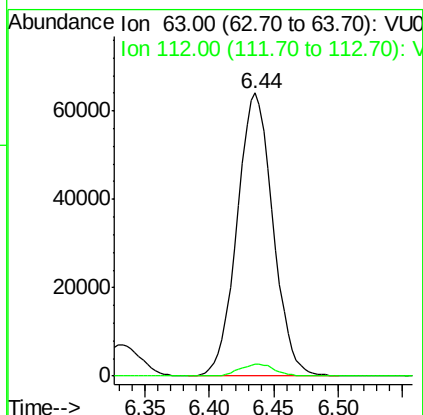
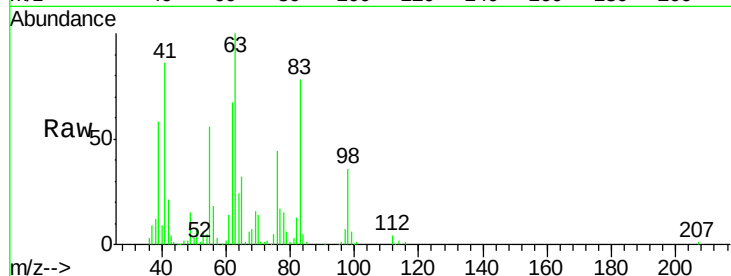




#37
 1,2-Dichloropropane
 Concen: 49.048 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

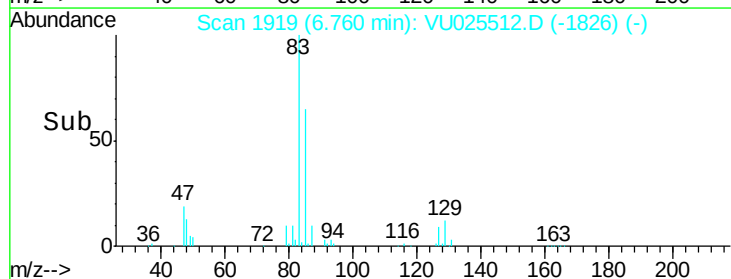
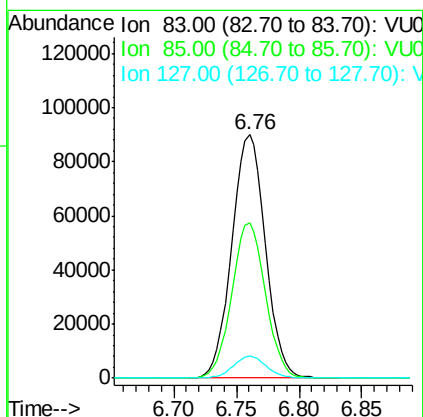
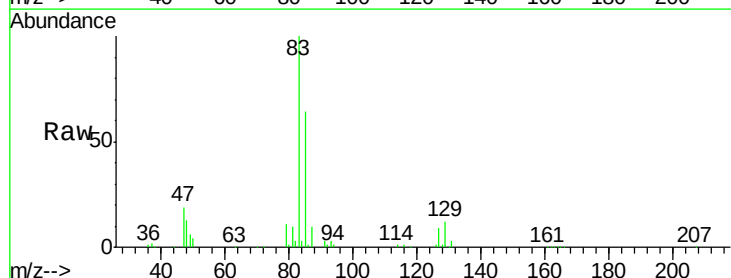
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

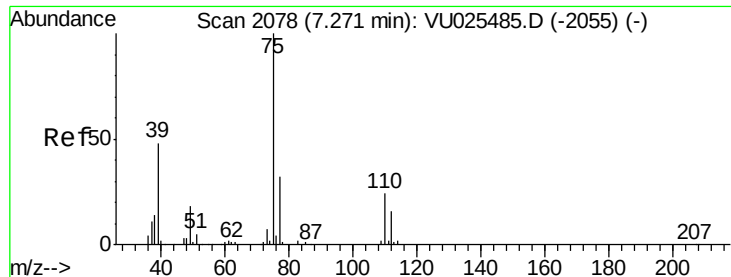
Tgt Ion: 63 Resp: 123416
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.290 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Tgt Ion: 83 Resp: 167460
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.8 85.2
 127 8.9 7.3 10.9



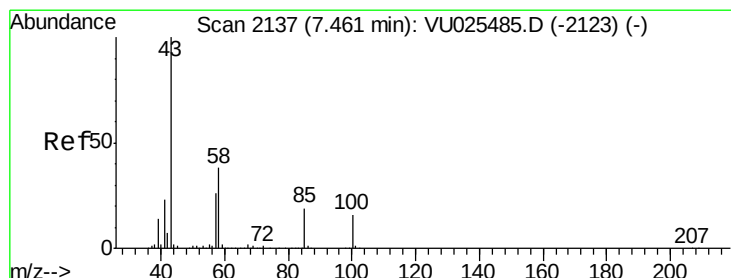
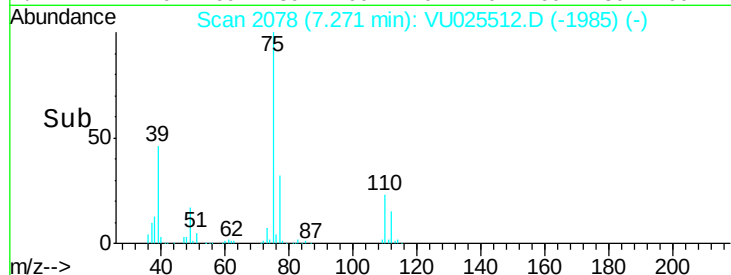
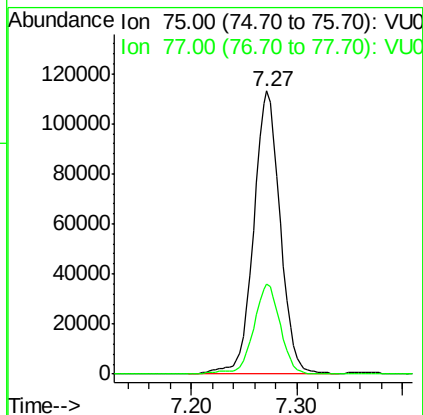
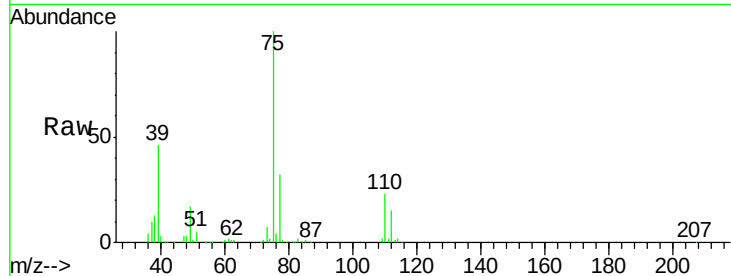


#39

cis-1,3-Dichloropropene
Concen: 50.957 ug/L
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Instrument :
MSVOA_U
ClientSampled :
BFB45

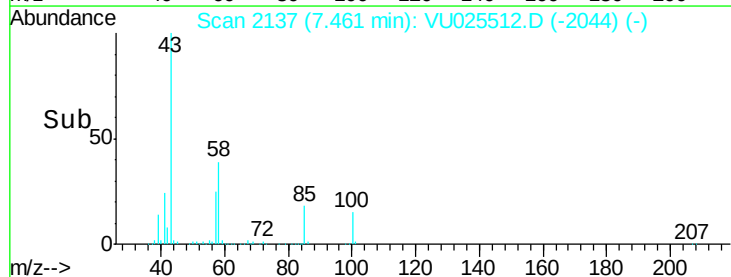
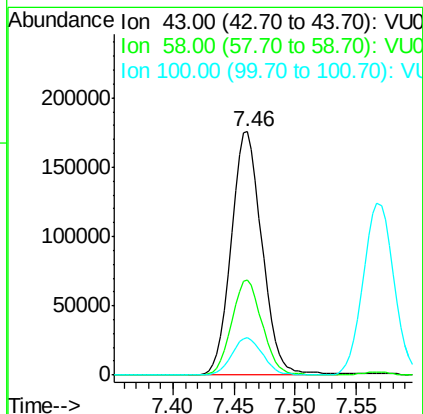
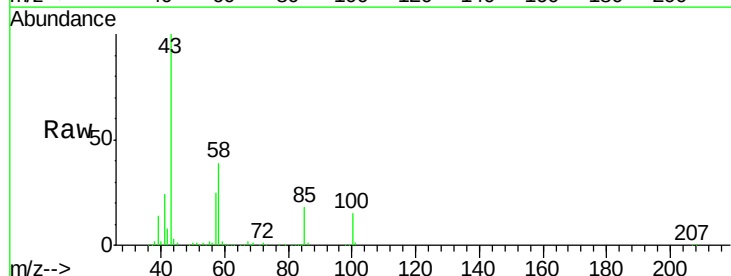
Tgt Ion: 75 Resp: 198662
Ion Ratio Lower Upper
75 100
77 32.0 22.1 41.1

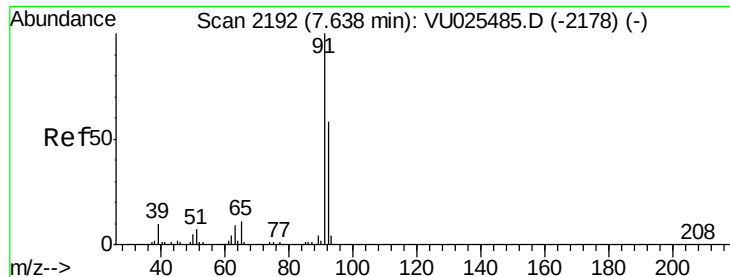


#40

4-Methyl-2-pentanone
Concen: 84.705 ug/L
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion: 43 Resp: 309115
Ion Ratio Lower Upper
43 100
58 38.7 30.9 46.3
100 15.2 12.4 18.6





#42

Toluene

Concen: 50.632 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

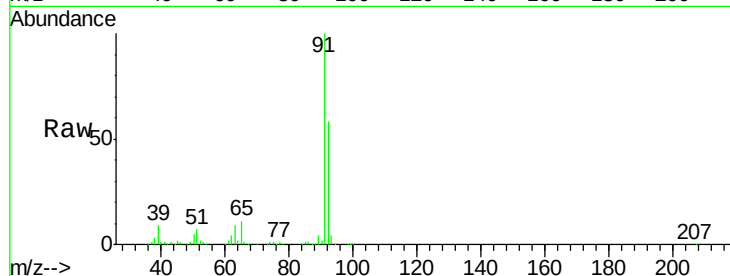
BFB45

Tgt Ion: 91 Resp: 492440

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

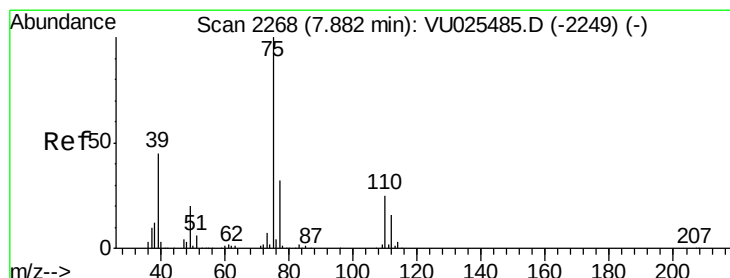
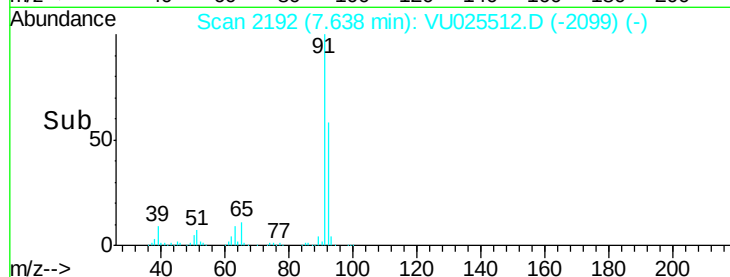
200000

100000

0

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.069 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025512.D

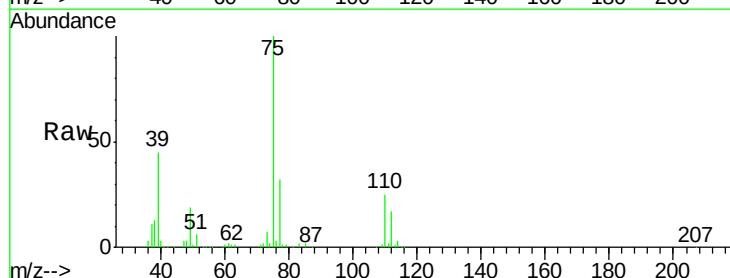
Acq: 19 Jul 2018 09:46

Tgt Ion: 75 Resp: 187390

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

60000

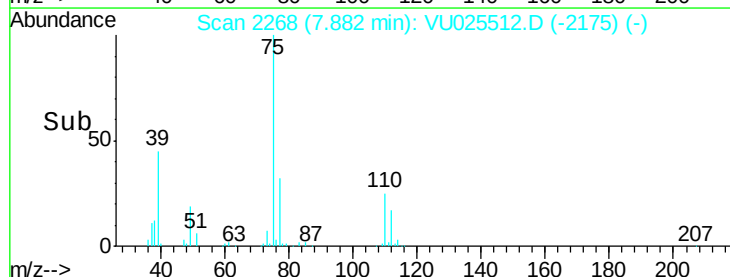
40000

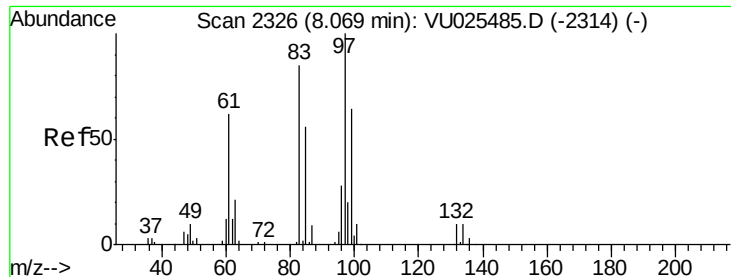
20000

0

7.80 7.90 8.00

Time-->

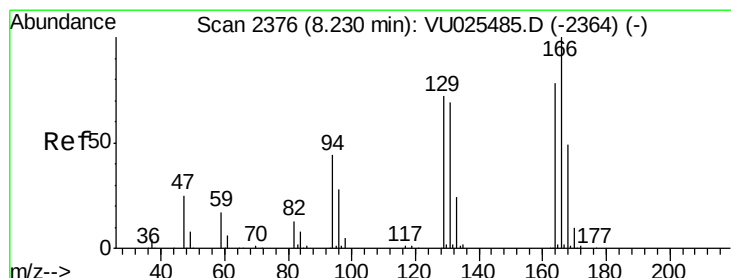
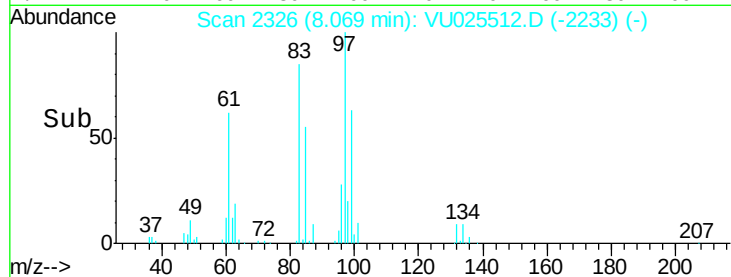
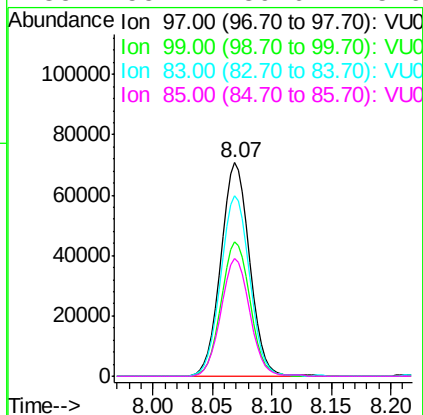
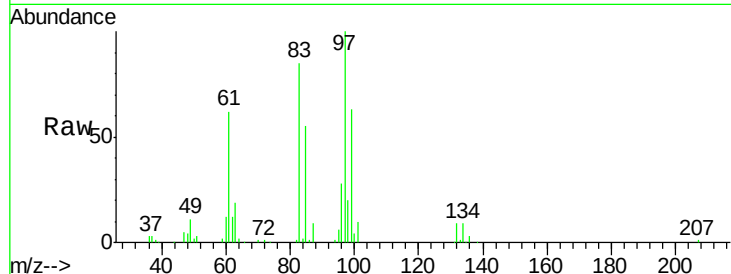




#45
 1,1,2-Trichloroethane
 Concen: 49.954 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

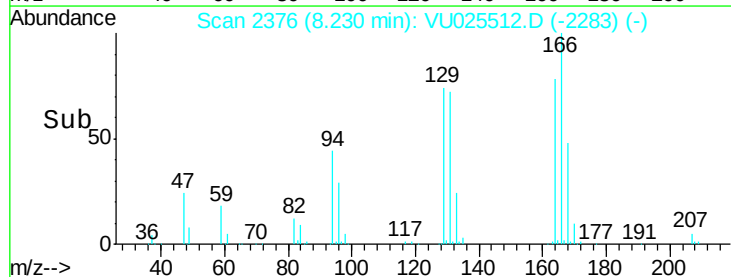
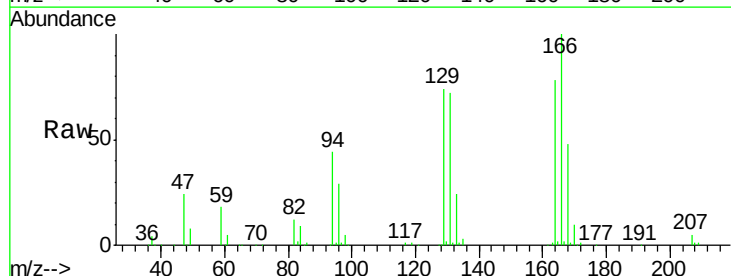
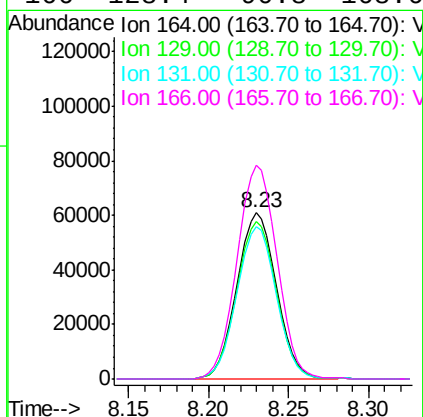
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

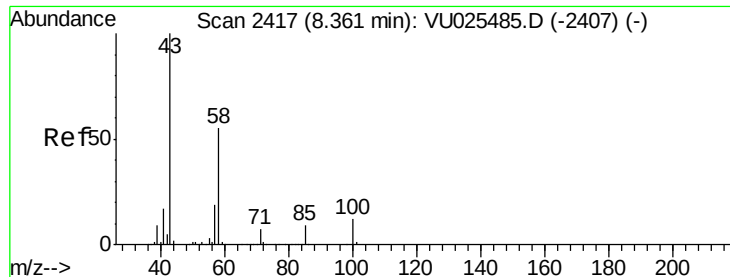
Tgt Ion: 97 Resp: 119174
 Ion Ratio Lower Upper
 97 100
 99 62.7 44.7 83.1
 83 84.6 62.0 115.2
 85 55.2 39.6 73.6



#46
 Tetrachloroethene
 Concen: 51.179 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Tgt Ion: 164 Resp: 103089
 Ion Ratio Lower Upper
 164 100
 129 94.7 66.5 123.5
 131 91.9 63.7 118.3
 166 128.4 90.8 168.6

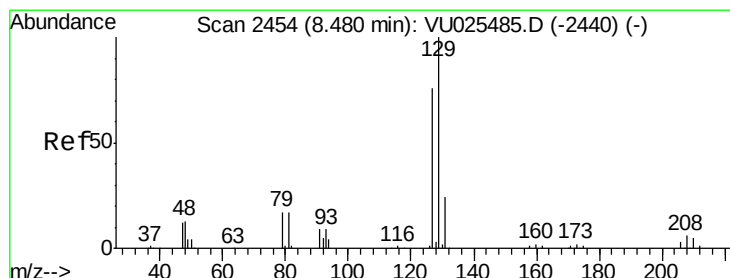
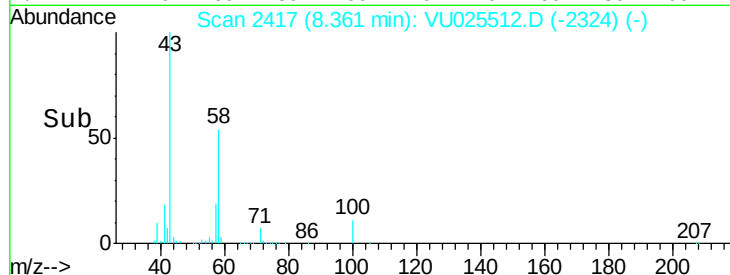
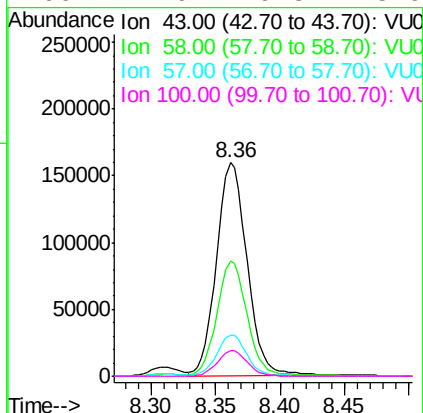
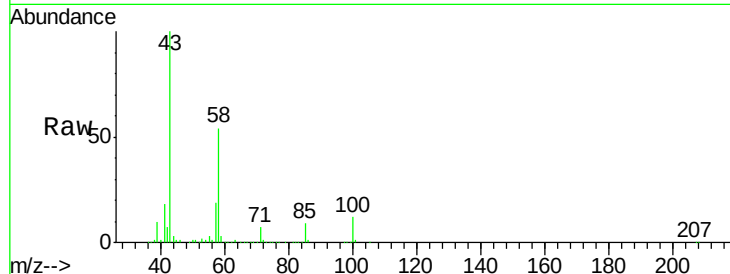




#48
2-Hexanone
Concen: 90.338 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

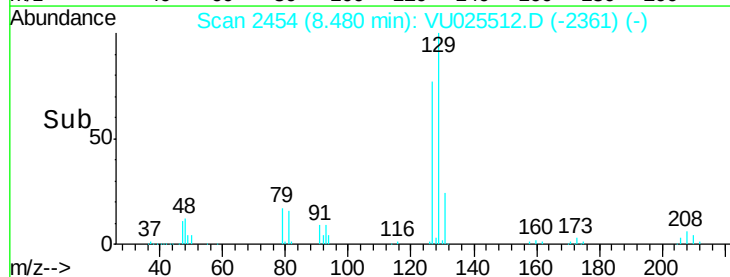
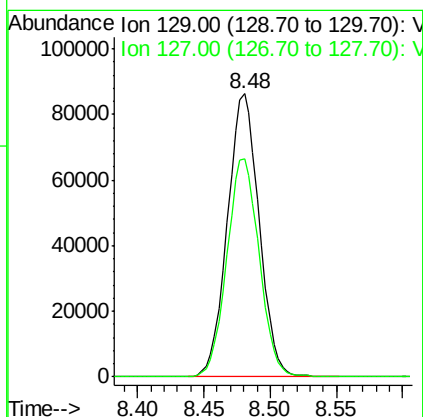
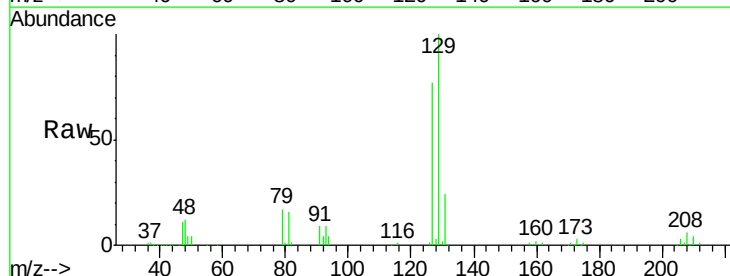
Instrument :
MSVOA_U
ClientSampleId :
BFB45

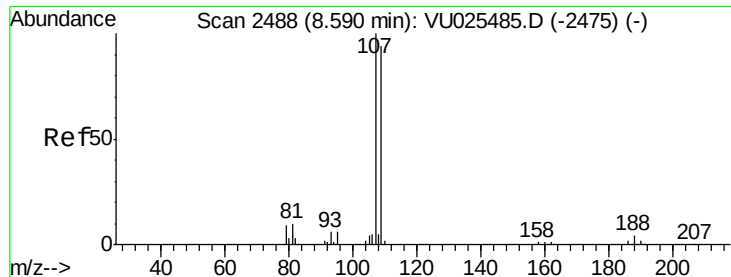
Tgt Ion:	43	Resp:	263392
Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.3	63.5
57	18.8	15.6	23.4
100	11.9	9.3	13.9



#49
Dibromochloromethane
Concen: 49.746 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion:	129	Resp:	143666
Ion	Ratio	Lower	Upper
129	100		
127	77.0	52.4	97.2

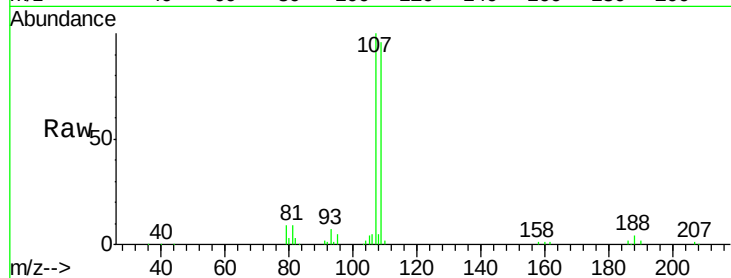




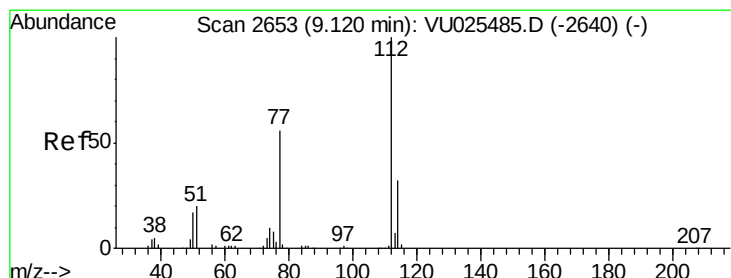
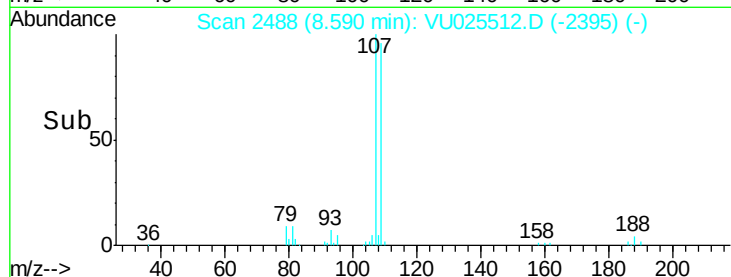
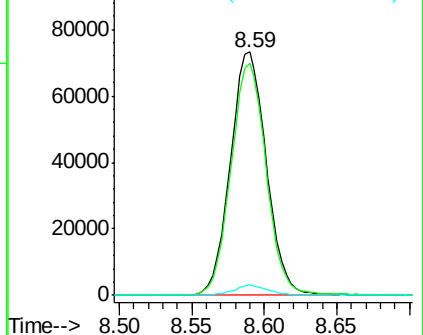
#50
1,2-Dibromoethane
Concen: 47.942 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion:107 Resp: 126242
Ion Ratio Lower Upper
107 100
109 95.6 66.5 123.5
188 4.2 3.4 5.0

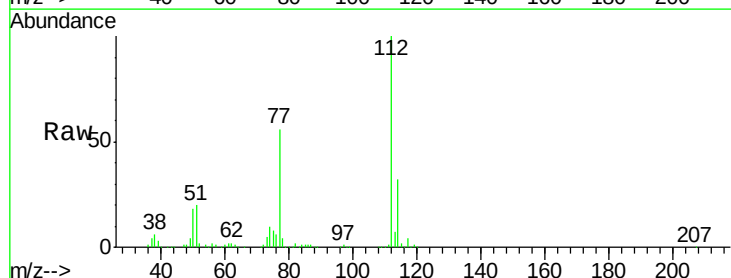


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

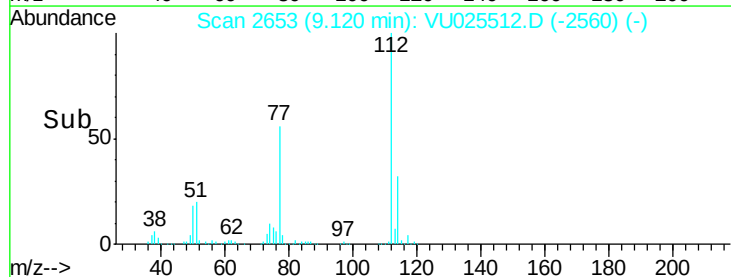
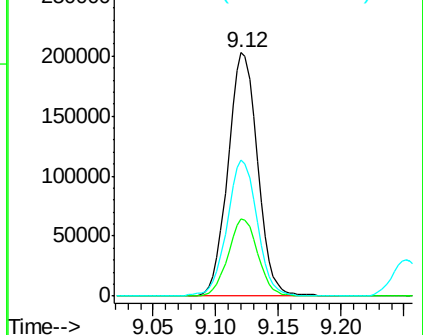


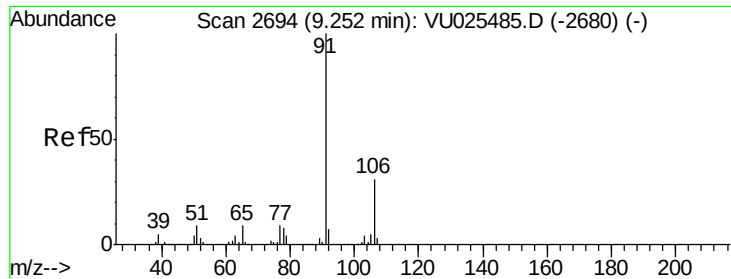
#51
Chlorobenzene
Concen: 50.969 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion:112 Resp: 332615
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 56.0 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.811 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

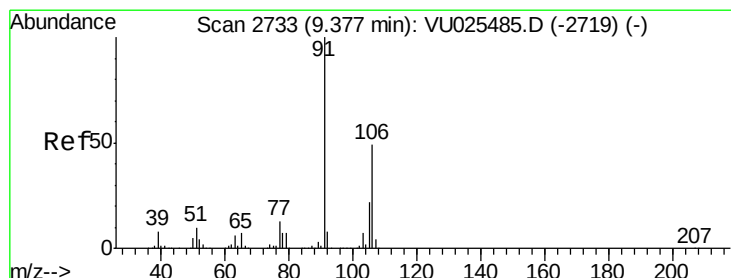
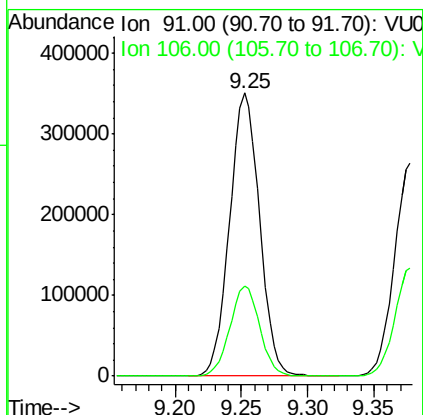
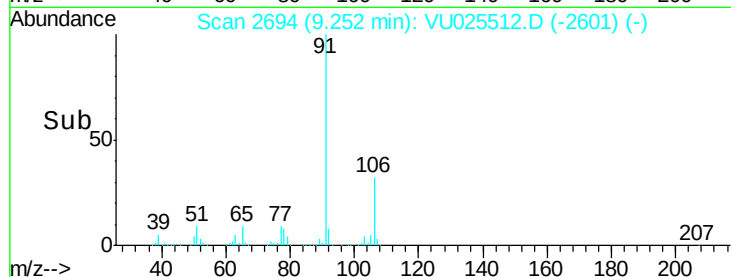
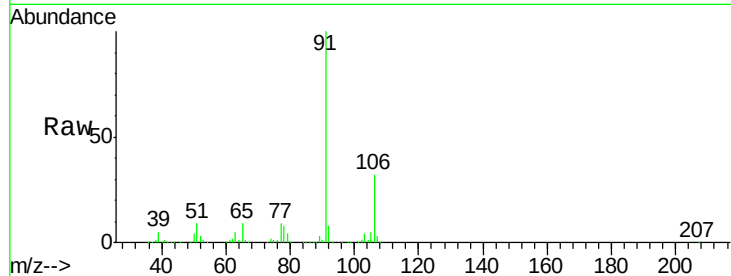
BFB45

Tgt Ion: 91 Resp: 551635

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



#53

m,p-Xylene

Concen: 51.571 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025512.D

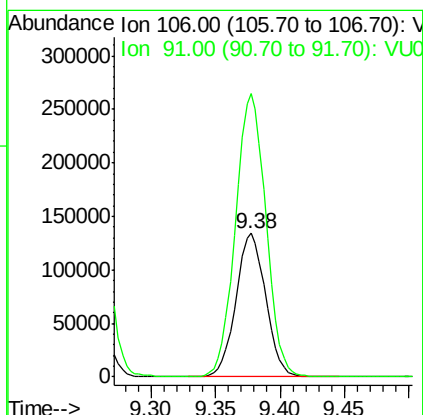
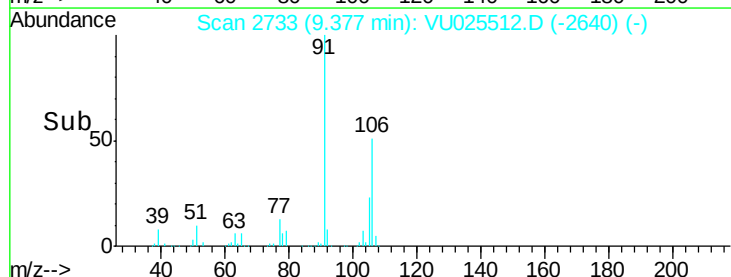
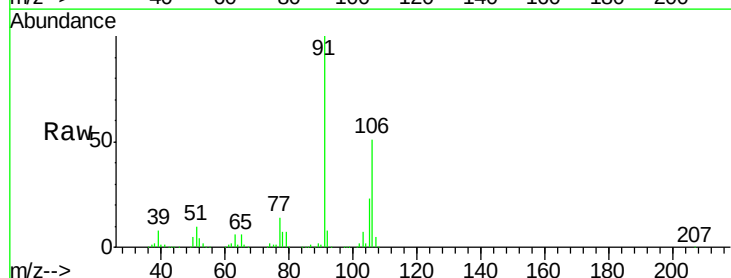
Acq: 19 Jul 2018 09:46

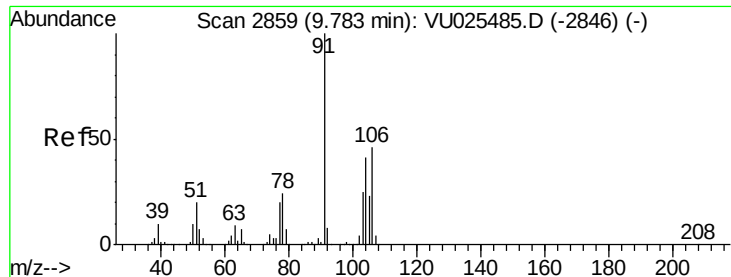
Tgt Ion: 106 Resp: 214597

Ion Ratio Lower Upper

106 100

91 197.6 138.6 257.4





#54

o-xylene

Concen: 51.272 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

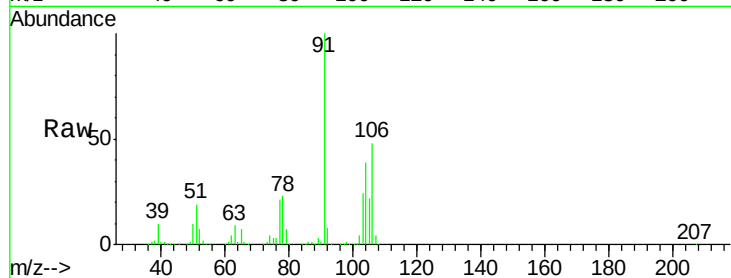
BFB45

Tgt Ion:106 Resp: 215238

Ion Ratio Lower Upper

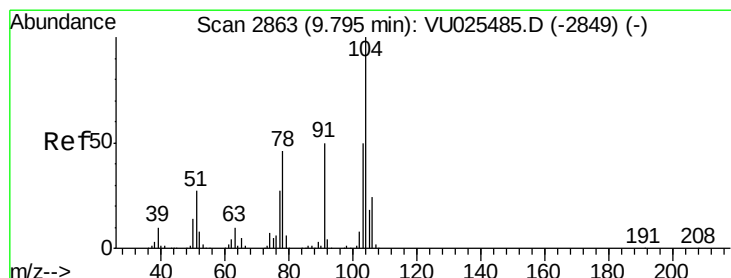
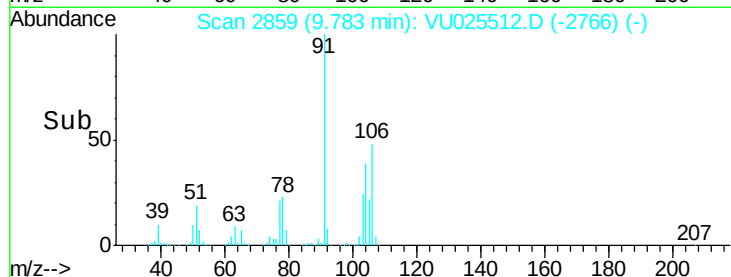
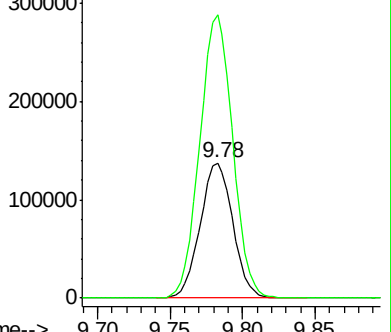
106 100

91 209.0 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.122 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025512.D

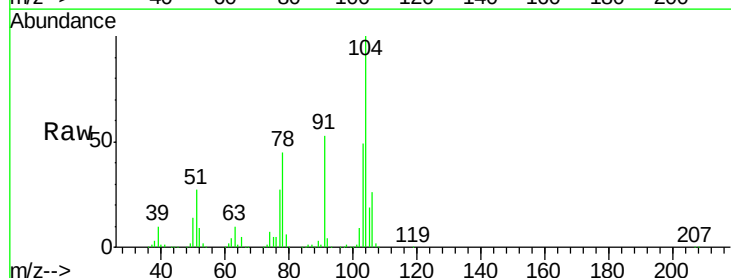
Acq: 19 Jul 2018 09:46

Tgt Ion:104 Resp: 361389

Ion Ratio Lower Upper

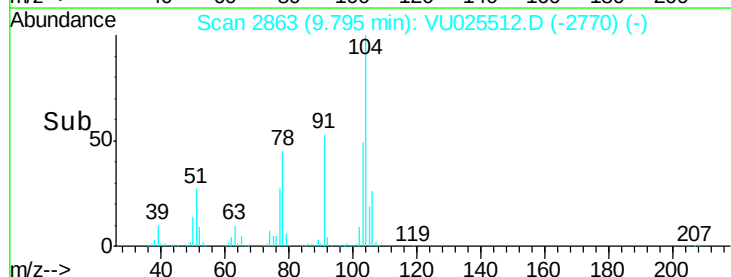
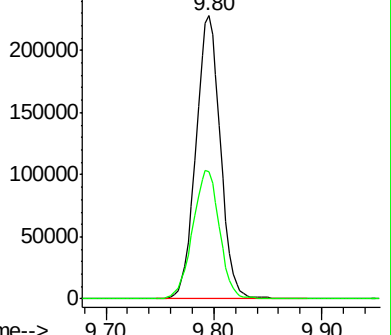
104 100

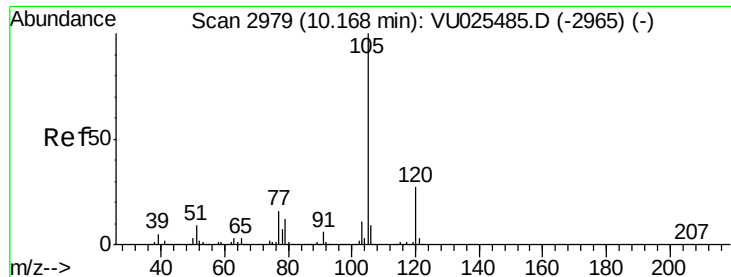
78 44.8 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.767 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

BFB45

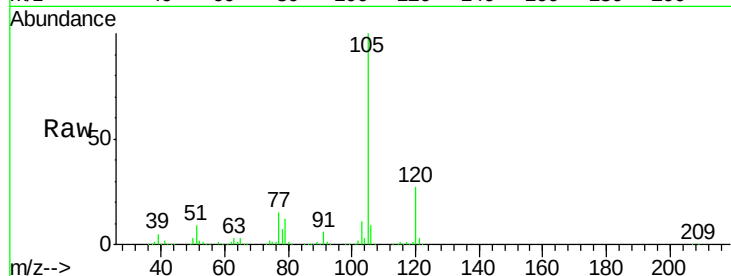
Tgt Ion: 105 Resp: 562780

Ion Ratio Lower Upper

105 100

120 27.1 21.6 32.4

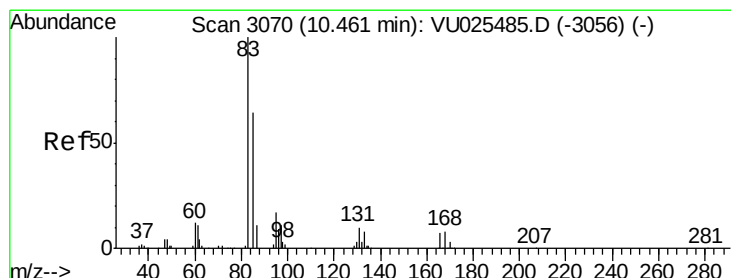
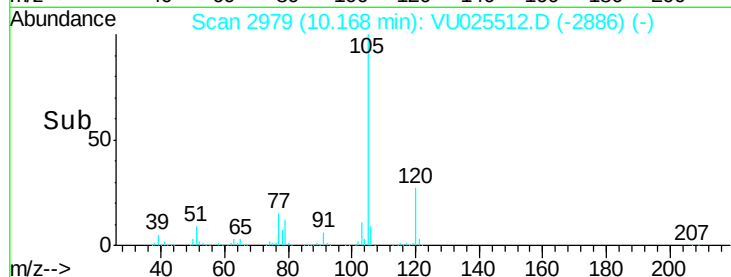
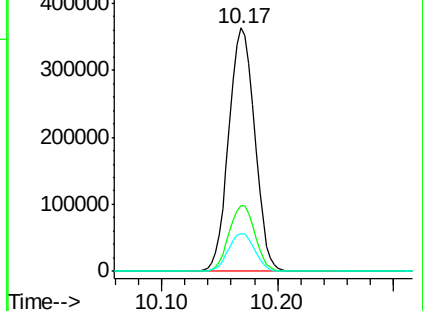
77 15.7 12.6 19.0



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: 46.327 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

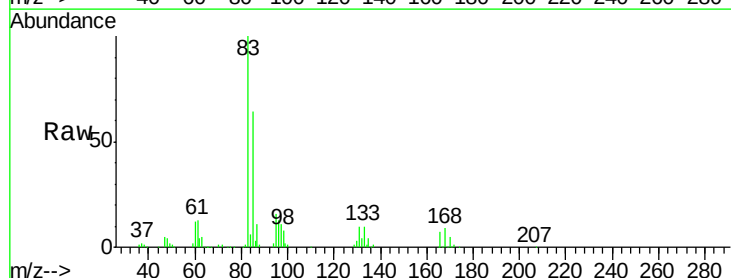
Tgt Ion: 83 Resp: 190281

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

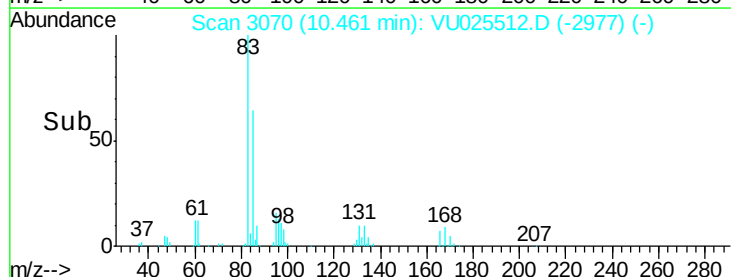
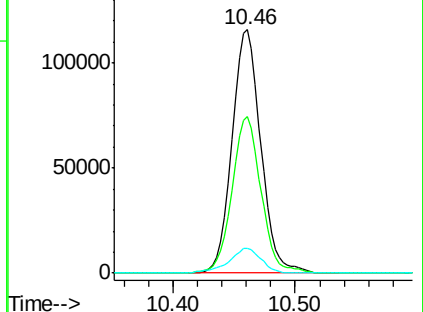
131 10.4 8.9 13.3

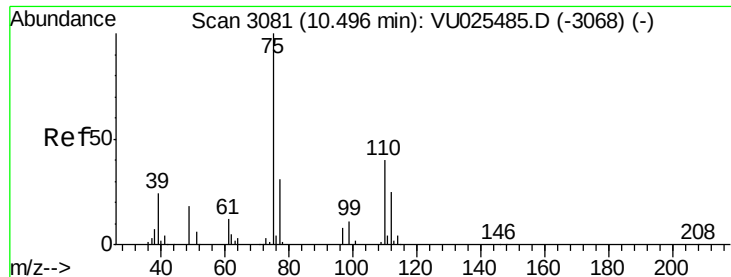


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

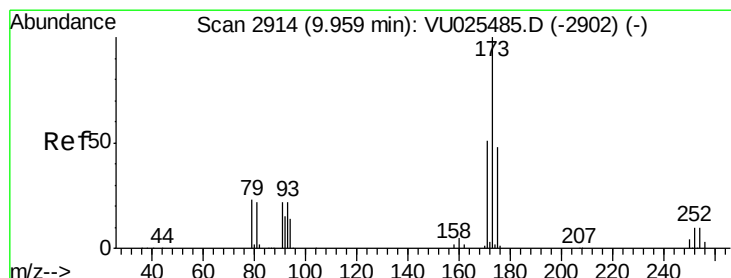
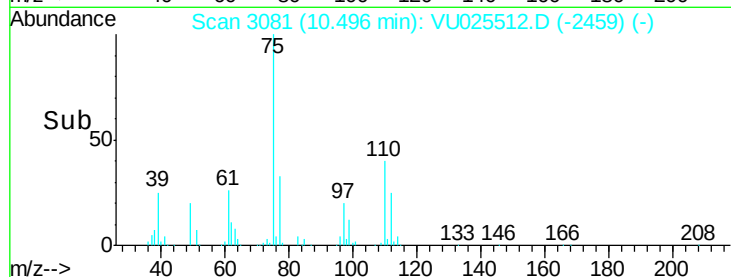
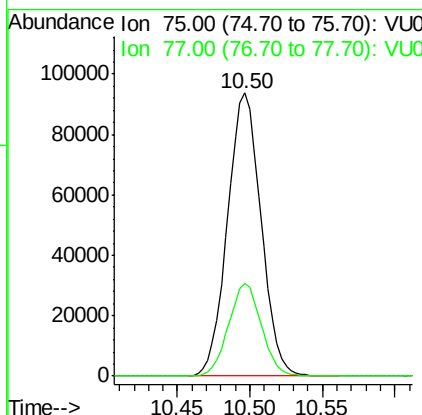
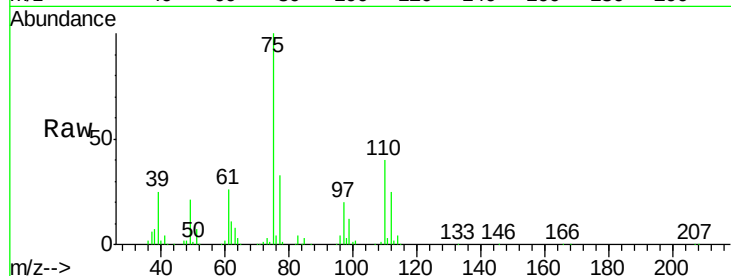




#59
 1,2,3-Trichloropropane
 Concen: 44.899 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

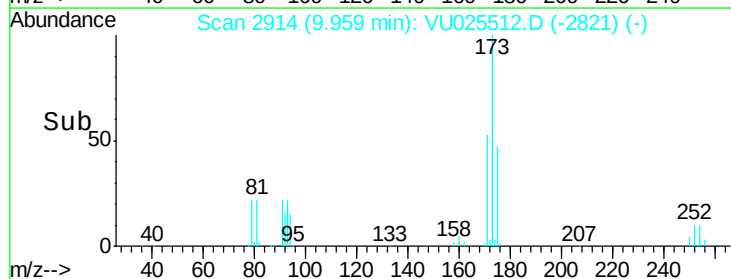
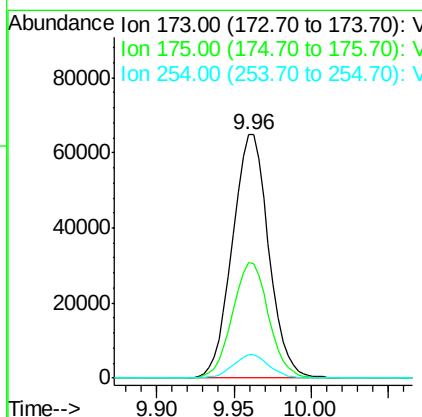
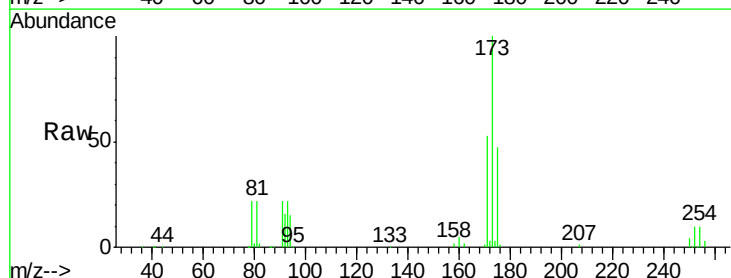
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

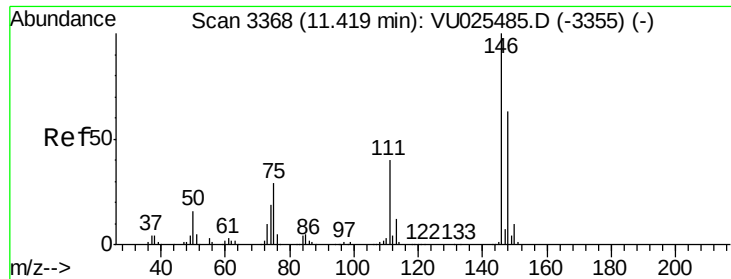
Tgt Ion: 75 Resp: 150239
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#61
 Bromoform
 Concen: 46.636 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Tgt Ion: 173 Resp: 105997
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.1 58.7
 254 9.5 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 50.274 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

BFB45

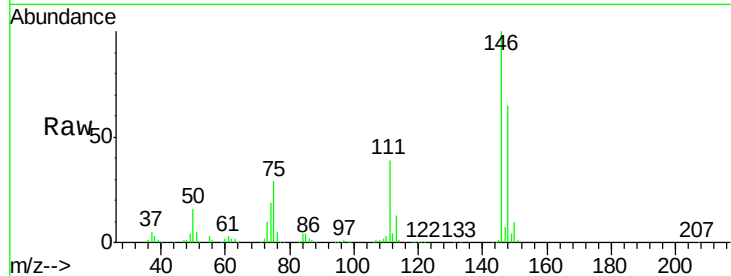
Tgt Ion:146 Resp: 268474

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.3

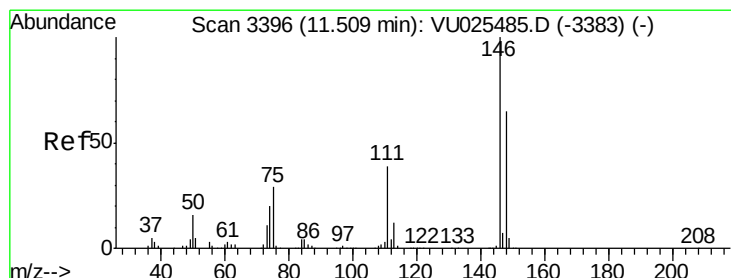
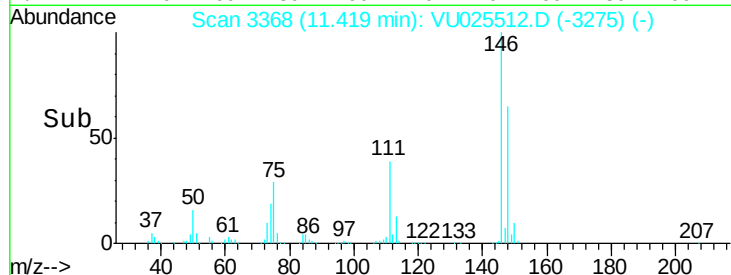
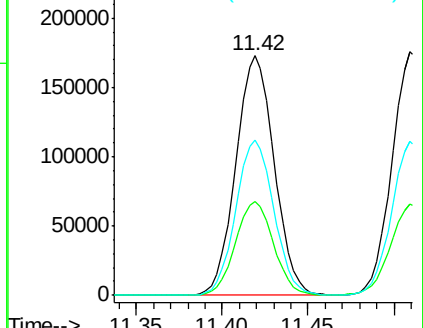
148 65.0 45.1 83.9



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: 50.203 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

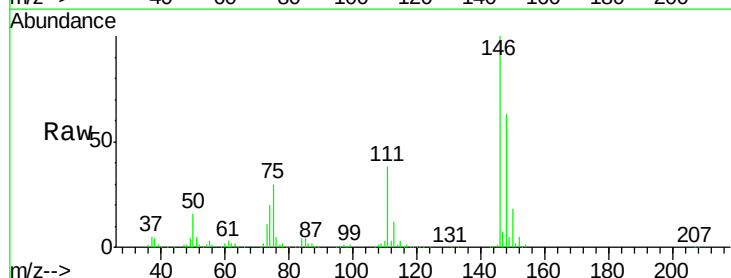
Tgt Ion:146 Resp: 270927

Ion Ratio Lower Upper

146 100

111 37.6 26.4 49.0

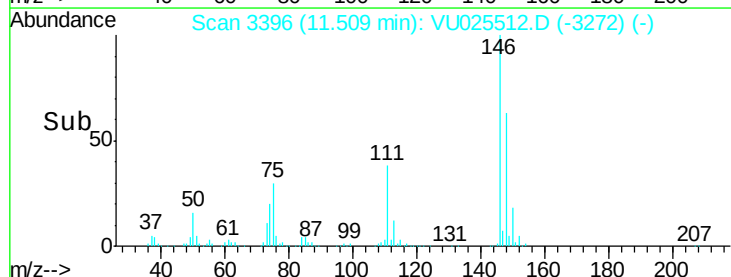
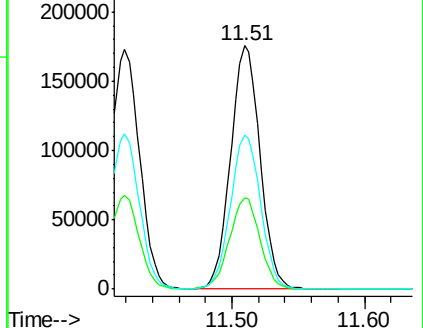
148 63.1 45.6 84.8

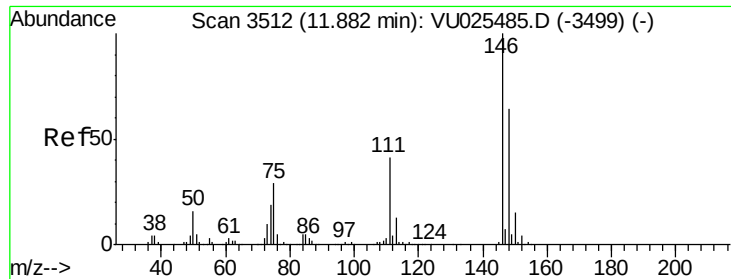


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.978 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

BFB45

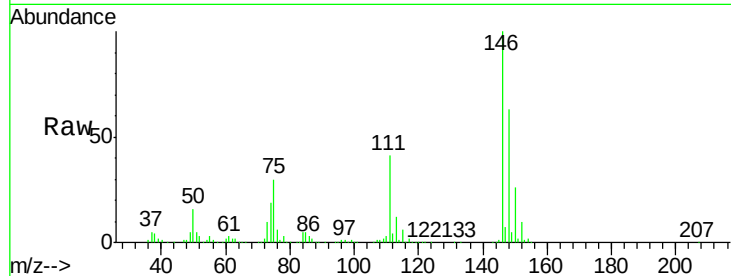
Tgt Ion:146 Resp: 281818

Ion Ratio Lower Upper

146 100

111 41.4 33.8 50.6

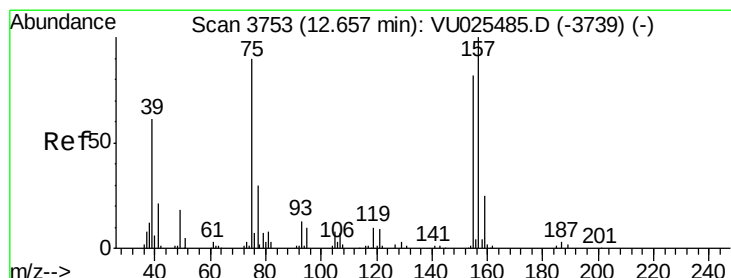
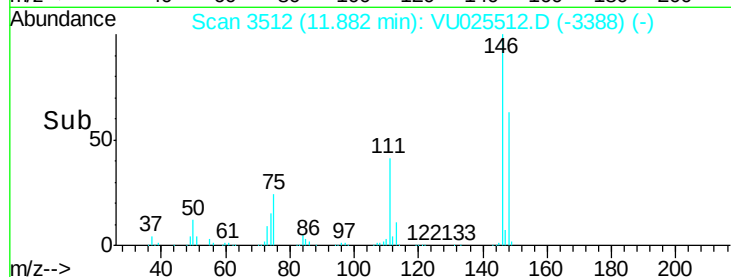
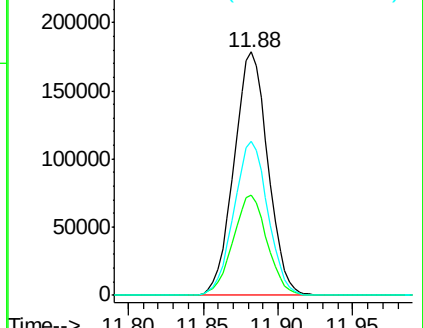
148 63.1 51.5 77.3



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: 39.577 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025512.D

Acq: 19 Jul 2018 09:46

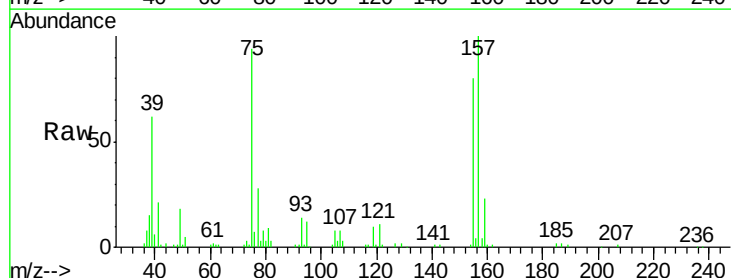
Tgt Ion: 75 Resp: 41764

Ion Ratio Lower Upper

75 100

155 85.1 67.4 101.0

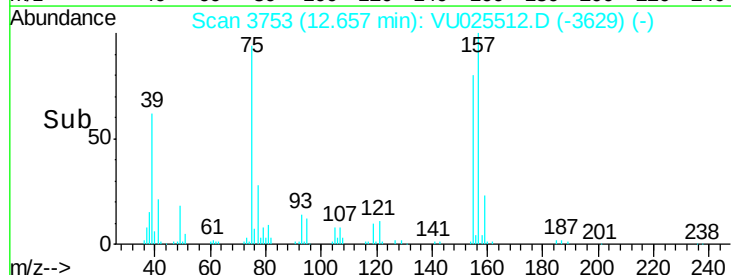
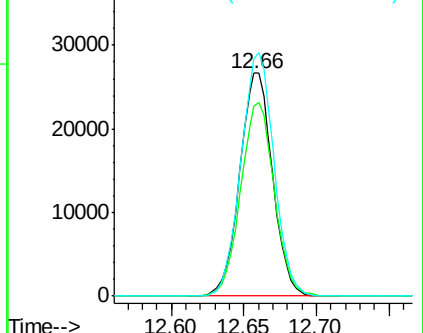
157 106.4 87.9 131.9

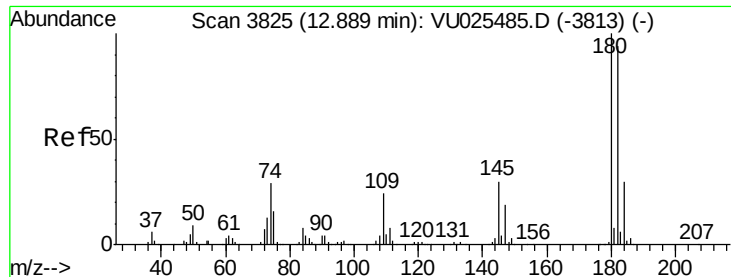


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

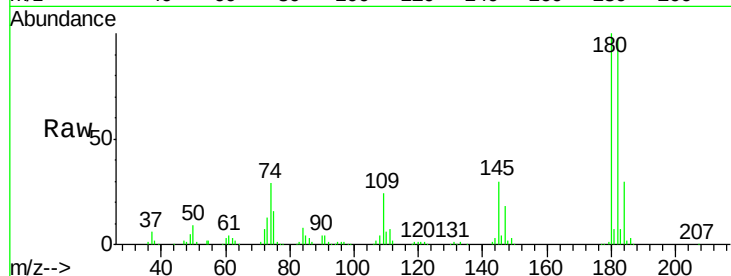




#67
 1,3,5-Trichlorobenzene
 Concen: 52.362 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.1	112.7
184	30.2	24.6	36.8
145	29.3	23.1	34.7



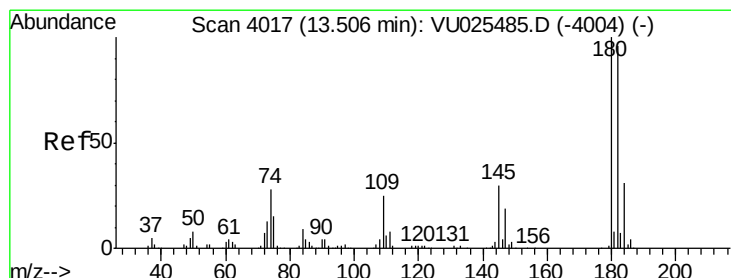
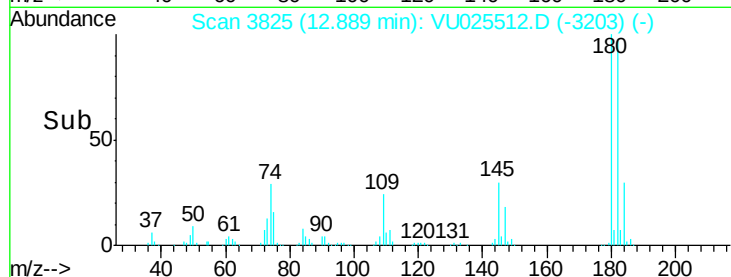
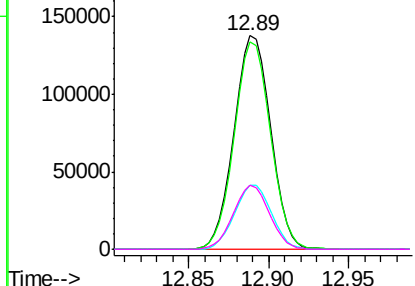
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

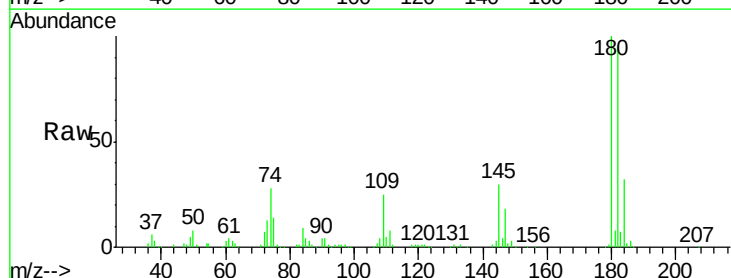
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.832 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025512.D
 Acq: 19 Jul 2018 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	30.0	23.4	35.2

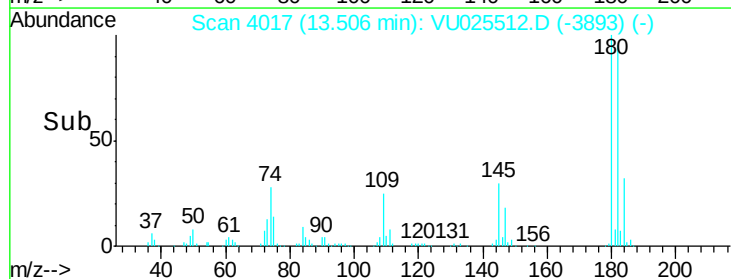
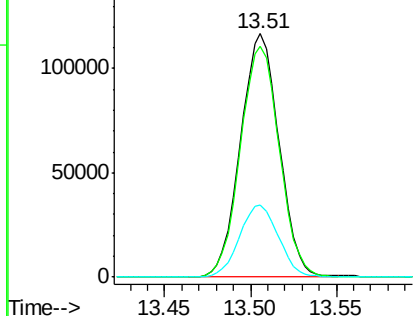


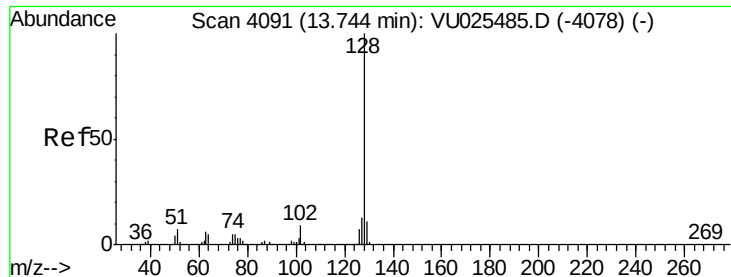
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

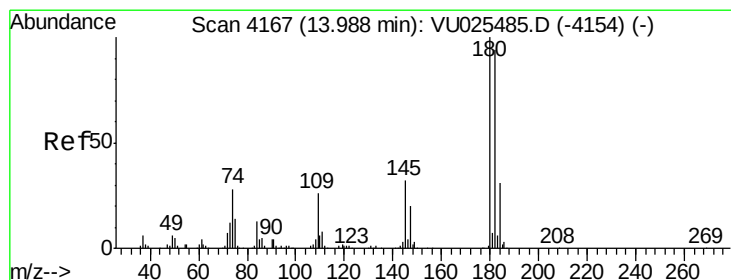
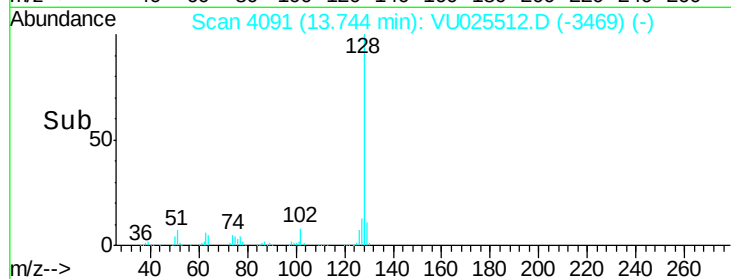
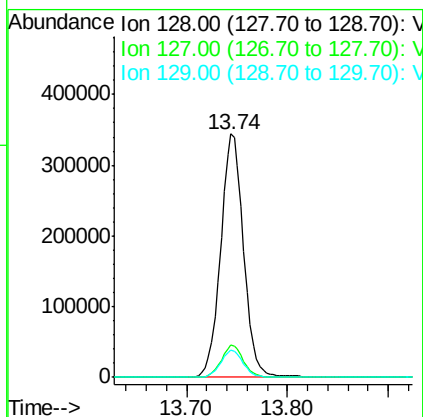
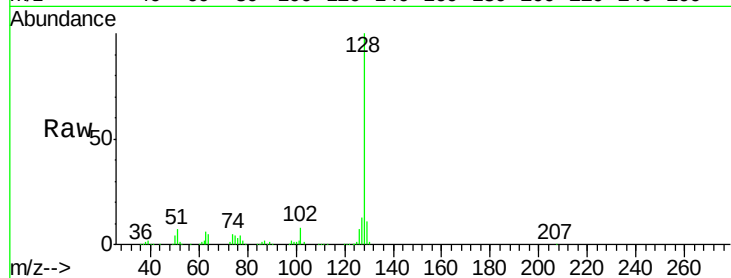




#69
Naphthalene
Concen: 43.010 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion:128 Resp: 544699
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.9 13.3



#70
1,2,3-Trichlorobenzene
Concen: 48.450 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU025512.D
Acq: 19 Jul 2018 09:46

Tgt Ion:180 Resp: 191255
Ion Ratio Lower Upper
180 100
182 95.3 75.8 113.8
145 31.7 25.3 37.9

