

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035735.D
 Acq On : 18 Nov 2019 10:01
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:31:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 16 01:36:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	206212	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	226371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	132539	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95398	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	87014	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.60	63	169184	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.71	46	246645	52.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.26%
24) Chloroform-d	5.11	84	183692	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.75	65	88895	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.77	84	341577	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.73	67	110170	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.93	98	323637	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	8.21	79	44680	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.68	63	181454	50.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	101315	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	118954	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	118859	5.357 ug/L	98
3) Chloromethane	1.53	50	134793	5.267 ug/L	99
5) Vinyl chloride	1.62	62	142051	5.418 ug/L	99
6) Bromomethane	1.88	94	82473	5.518 ug/L	100
8) Chloroethane	1.95	64	84055	5.588 ug/L	99
9) Trichlorofluoromethane	2.16	101	174945	5.469 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	103954	5.502 ug/L	98
12) 1,1-Dichloroethene	2.61	96	98671	5.442 ug/L	85
13) Acetone	2.69	43	178913	52.952 ug/L	92
14) Carbon disulfide	2.82	76	311723	5.301 ug/L	99
15) Methyl Acetate	3.00	43	38990	4.968 ug/L	100
16) Methylene chloride	3.08	84	112618	5.238 ug/L	97
17) Methyl tert-butyl Ether	3.42	73	216786	5.101 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	99718	5.340 ug/L	98
19) 1,1-Dichloroethane	3.92	63	191676	5.529 ug/L	97
21) 2-Butanone	4.79	43	265218	52.864 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	105584	5.121 ug/L	100

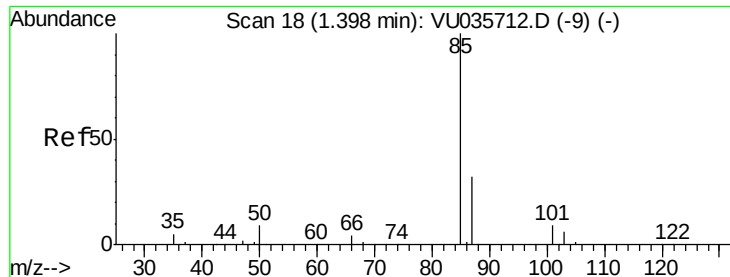
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035735.D
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 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:31:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 16 01:36:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	53521	5.480	ug/L	94
25) Chloroform	5.14	83	214332	5.685	ug/L	99
27) 1,2-Dichloroethane	5.84	62	118681	5.656	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	161923	5.434	ug/L	99
30) Cyclohexane	5.43	56	142628	4.787	ug/L	100
31) Carbon tetrachloride	5.57	117	146889	5.469	ug/L	98
33) Benzene	5.82	78	424309	5.326	ug/L	100
34) Trichloroethene	6.58	95	107162	5.256	ug/L	98
35) Methylcyclohexane	6.80	83	148701	4.788	ug/L	99
37) 1,2-Dichloropropane	6.83	63	111614	5.317	ug/L	98
38) Bromodichloromethane	7.14	83	140412	5.529	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	150768	5.033	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	597770	49.525	ug/L	99
42) Toluene	8.00	91	462339	5.516	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	124382	5.193	ug/L	95
45) 1,1,2-Trichloroethane	8.44	97	82585	5.494	ug/L	97
47) Tetrachloroethene	8.58	164	98415	5.539	ug/L	95
48) 2-Hexanone	8.73	43	424075	49.437	ug/L	95
49) Dibromochloromethane	8.84	129	102229	5.513	ug/L	99
50) 1,2-Dibromoethane	8.96	107	77576	5.439	ug/L	100
51) Chlorobenzene	9.48	112	295101	5.362	ug/L	99
52) Ethylbenzene	9.60	91	456832	5.179	ug/L	100
53) m,p-Xylene	9.72	106	179409	5.371	ug/L	97
54) o-Xylene	10.13	106	169264	5.244	ug/L	98
55) Styrene	10.14	104	291678	5.465	ug/L	99
56) Isopropylbenzene	10.51	105	443272	5.204	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	102545	5.221	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	71975	5.185	ug/L	98
61) Bromoform	10.32	173	60794	5.047	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	227780	5.111	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	220887	5.147	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	214415	5.127	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	12867	4.835	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	142546	4.963	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	71674	4.141	ug/L	99
69) Naphthalene	14.11	128	70990	3.331	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	72624	4.340	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.357 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

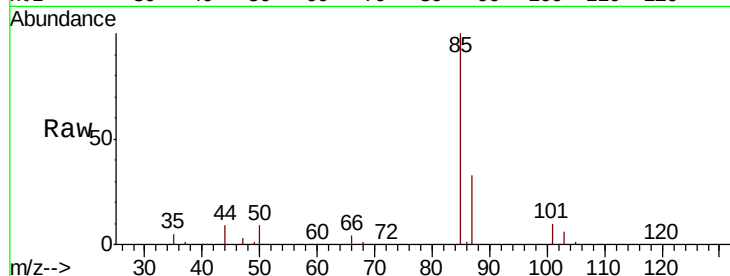
ClientSampleId :

Tot Ion: 85 Resp: 118859

Ion Ratio Lower Upper

85 100

87 32.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU035712.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035712.D (-9) (-)

1.40

120000

100000

80000

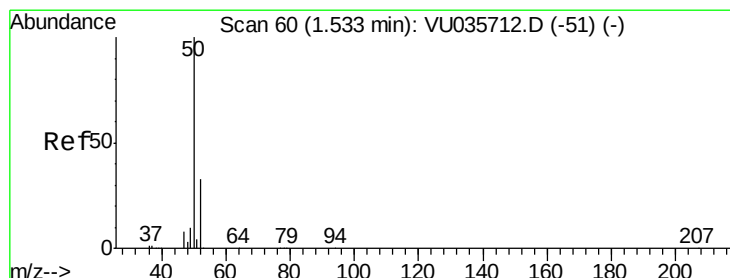
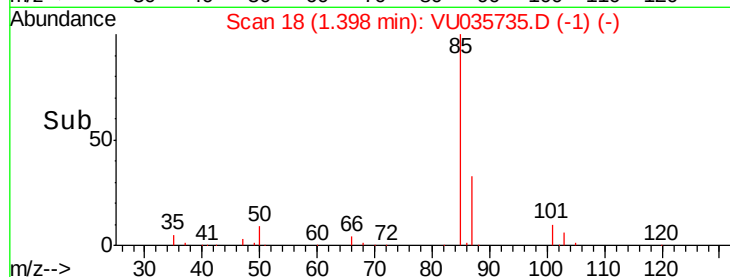
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.267 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035735.D

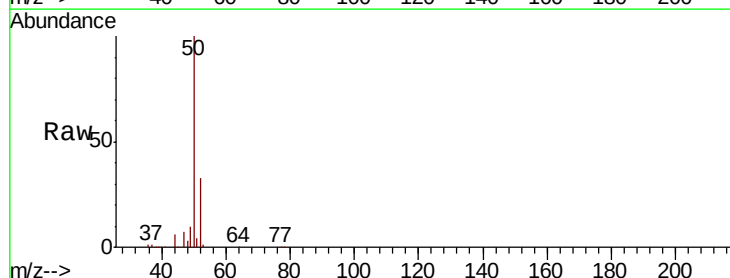
Acq: 18 Nov 2019 10:01

Tgt Ion: 50 Resp: 134793

Ion Ratio Lower Upper

50 100

52 32.9 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035712.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035712.D (-51) (-)

1.53

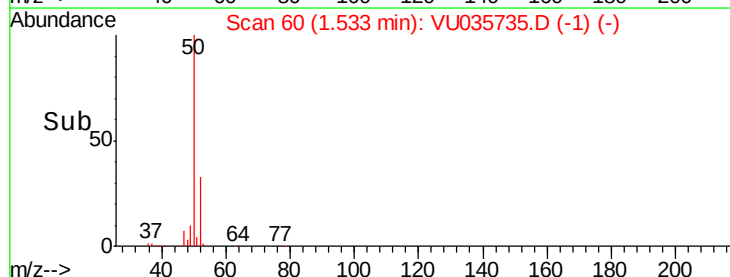
150000

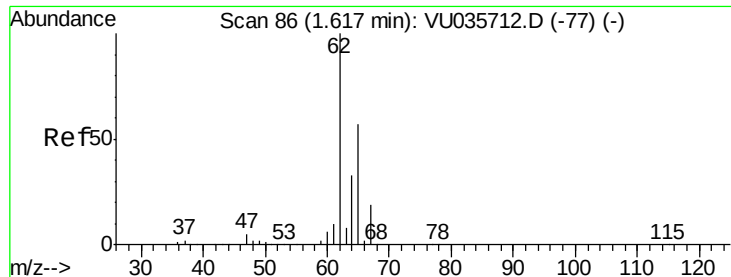
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.418 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

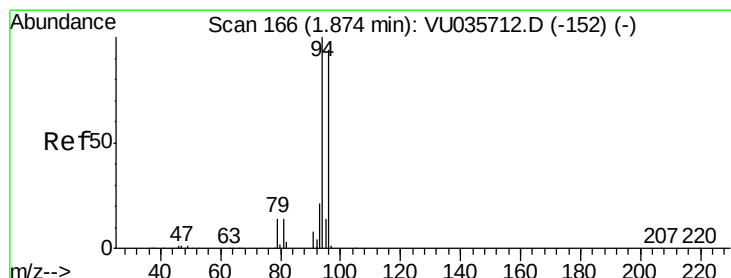
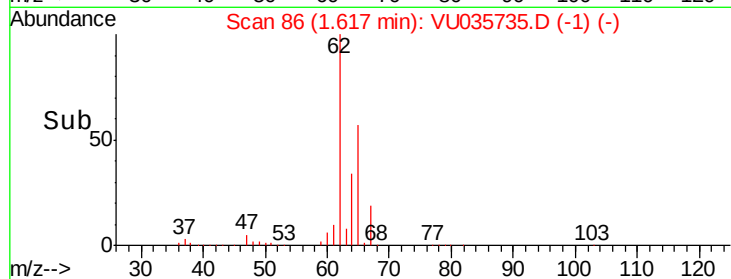
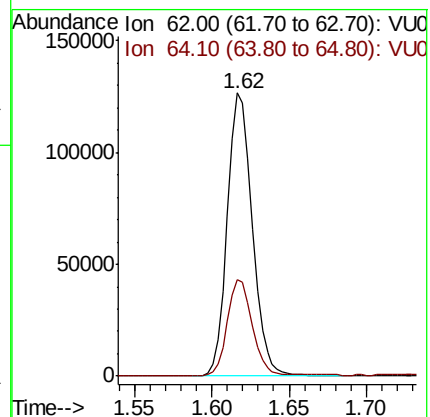
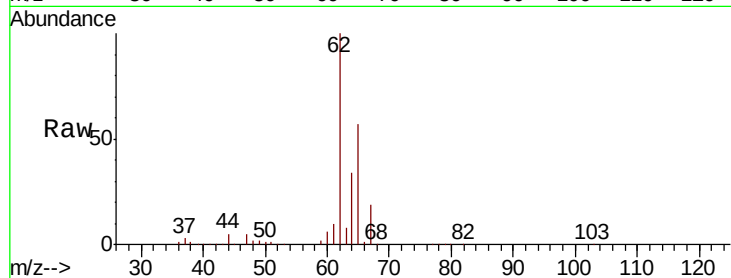
ClientSampleId :

Tot Ion: 62 Resp: 142051

Ion Ratio Lower Upper

62 100

64 34.2 23.5 43.7



#6

Bromomethane

Concen: 5.518 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035735.D

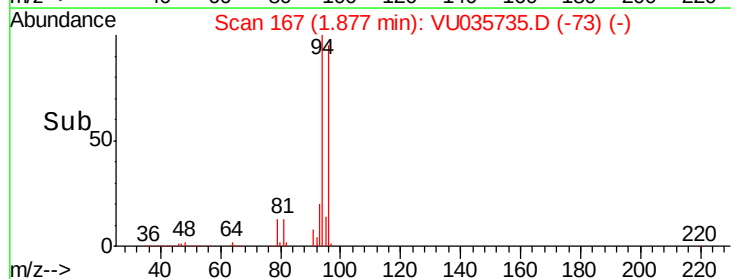
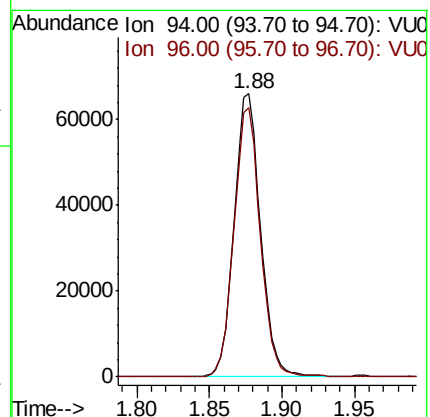
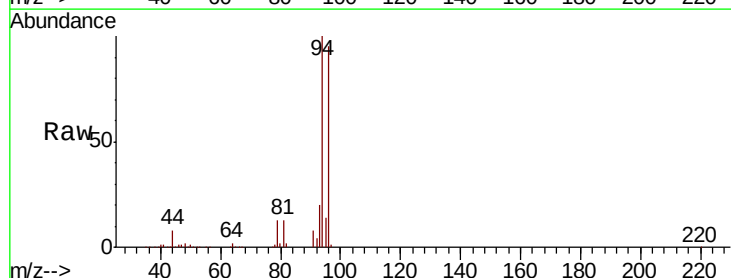
Acq: 18 Nov 2019 10:01

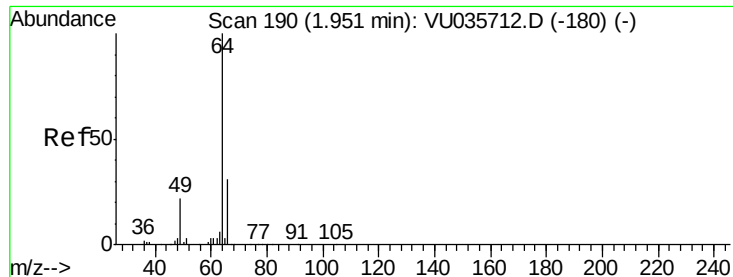
Tgt Ion: 94 Resp: 82473

Ion Ratio Lower Upper

94 100

96 95.3 66.8 124.2

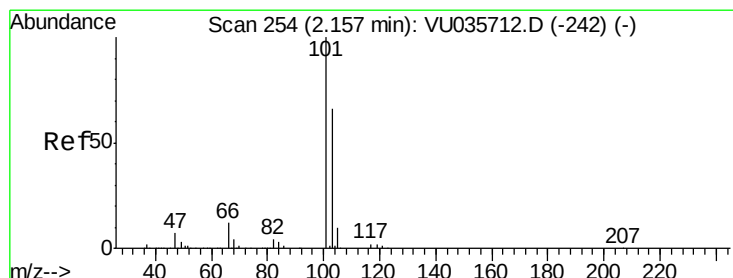
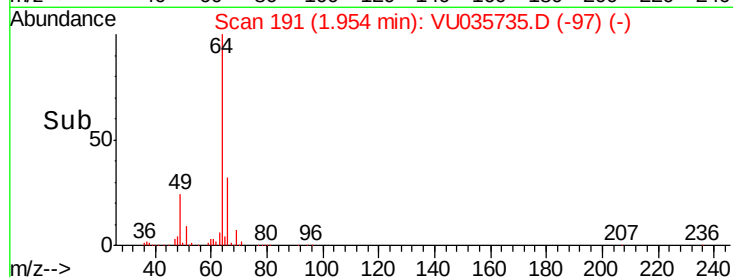
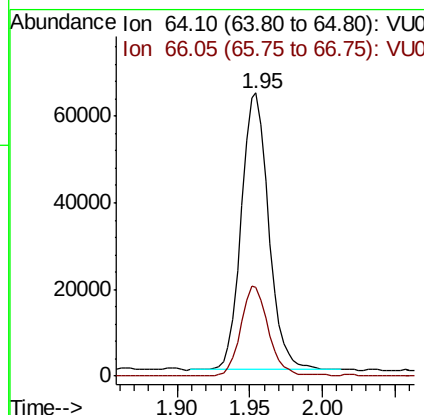
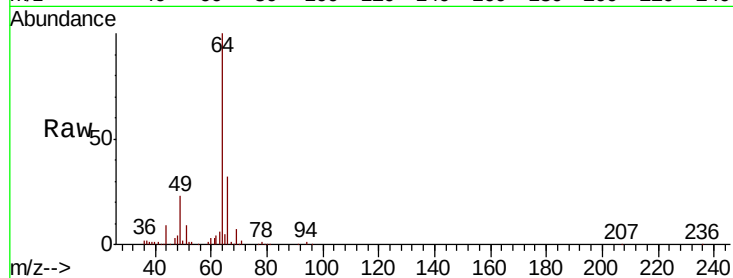




#8
Chloroethane
Concen: 5.588 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

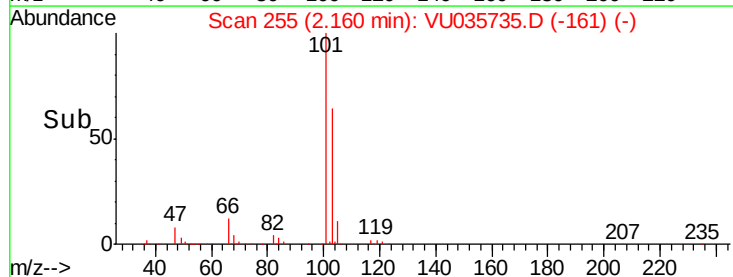
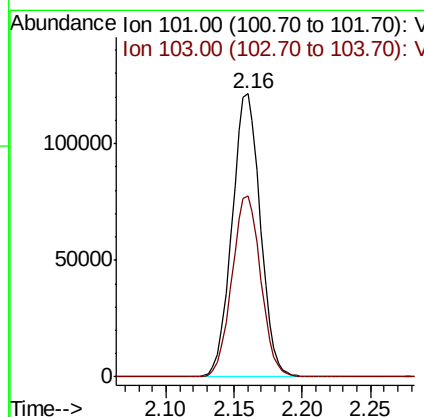
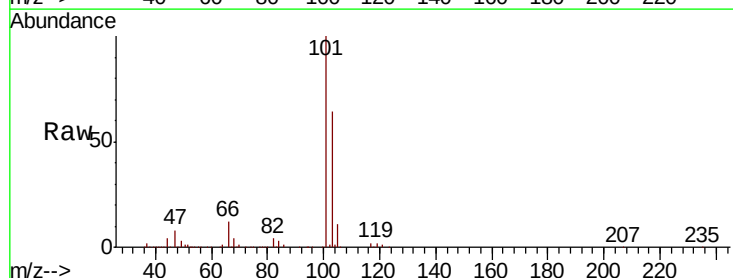
Instrument :
MSVOA_U
ClientSampleId :

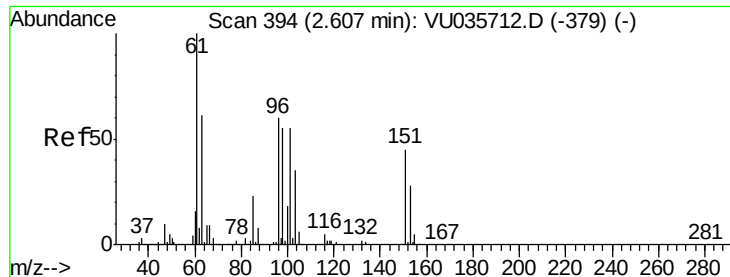
Tot Ion: 64 Resp: 84055
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 5.469 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

Tgt Ion:101 Resp: 174945
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6





#10

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

Concen: 5.502 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

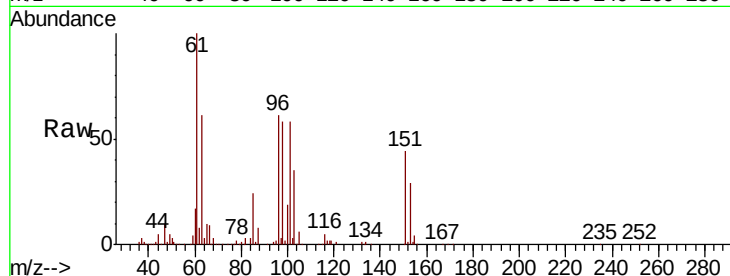
Tot Ion:101 Resp: 103954

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.6

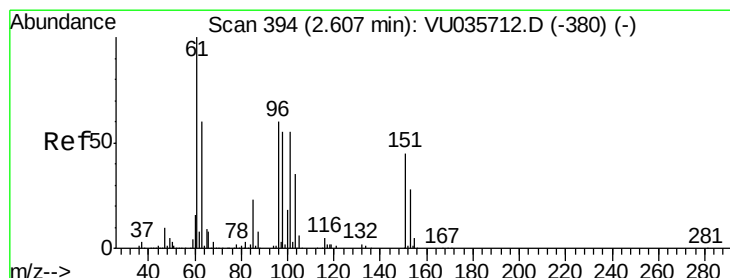
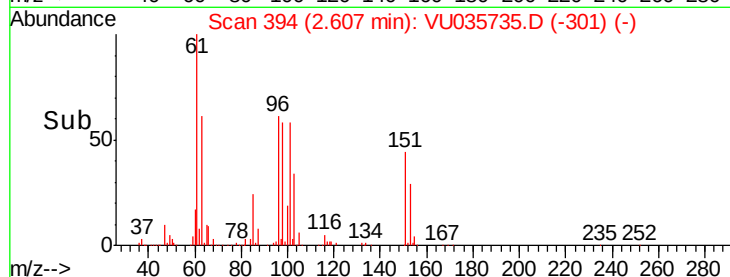
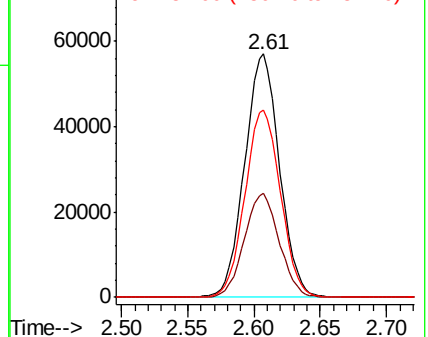
151 78.4 64.0 96.0



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: 5.442 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

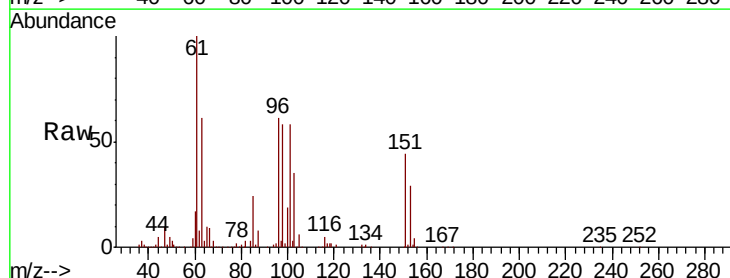
Tgt Ion: 96 Resp: 98671

Ion Ratio Lower Upper

96 100

61 162.9 123.1 228.5

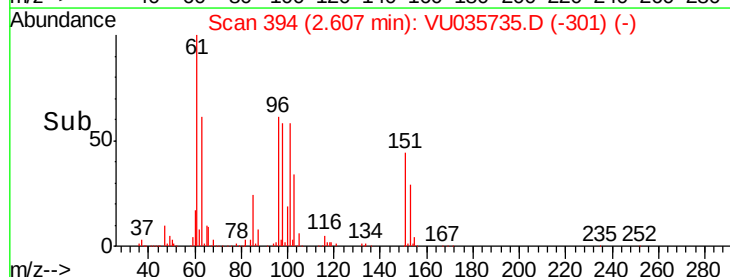
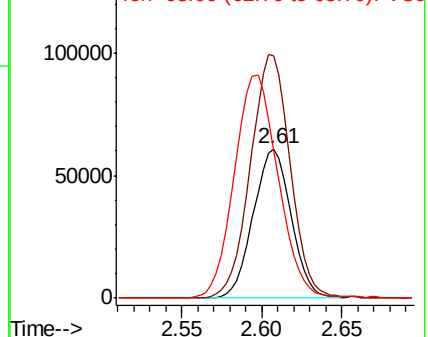
63 99.1 87.8 163.0

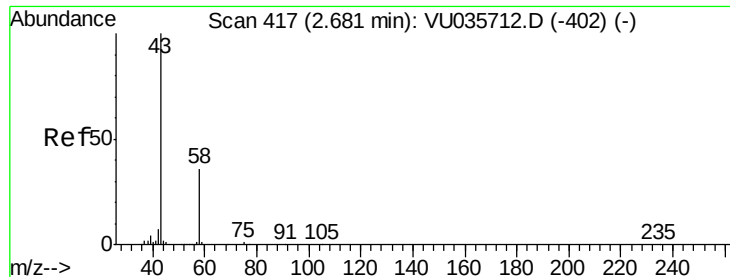


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.952 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

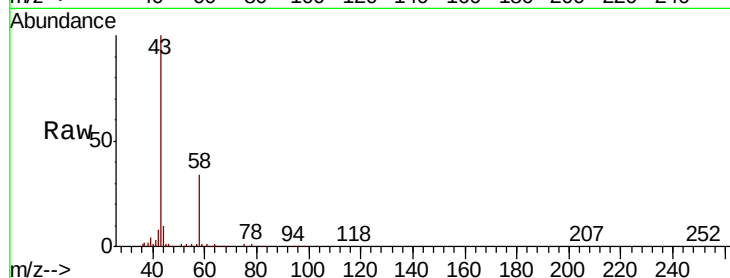
ClientSampleId :

Tot Ion: 43 Resp: 178913

Ion Ratio Lower Upper

43 100

58 30.4 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035712.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035712.D (-402) (-)

60000

50000

40000

30000

20000

10000

0

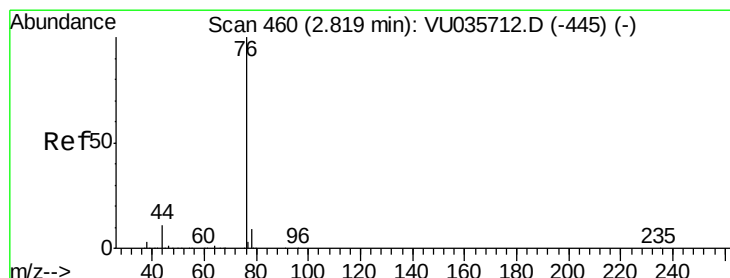
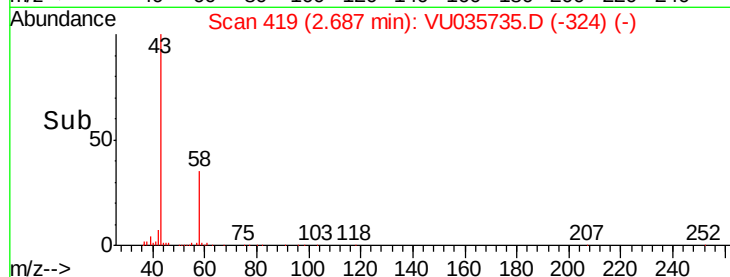
2.69

2.60

2.70

2.80

Time-->



#14

Carbon disulfide

Concen: 5.301 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035735.D

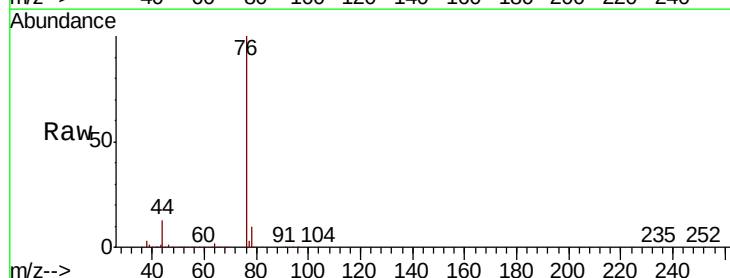
Acq: 18 Nov 2019 10:01

Tgt Ion: 76 Resp: 311723

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035712.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035712.D (-445) (-)

200000

150000

100000

50000

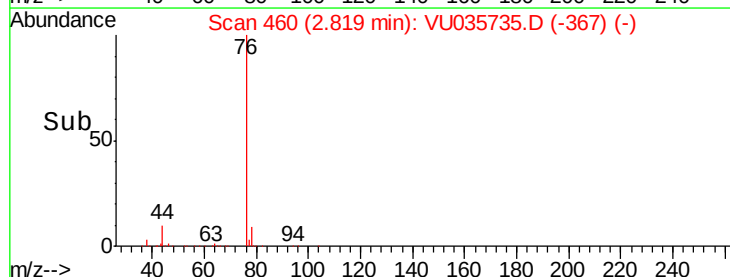
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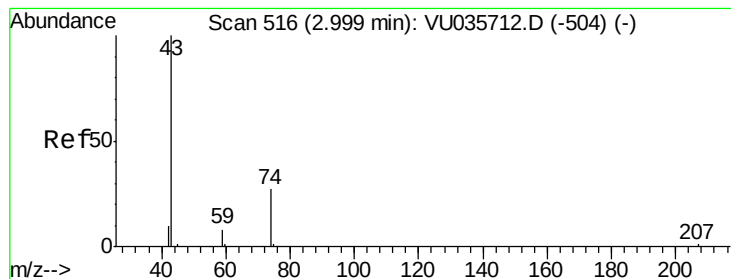
2.82

2.80

2.90

Time-->





#15

Methvl Acetate

Concen: 4.968 ug/L

RT: 3.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

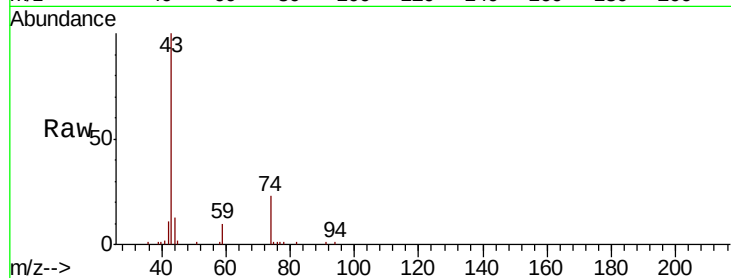
ClientSampleId :

Tot Ion: 43 Resp: 38990

Ion Ratio Lower Upper

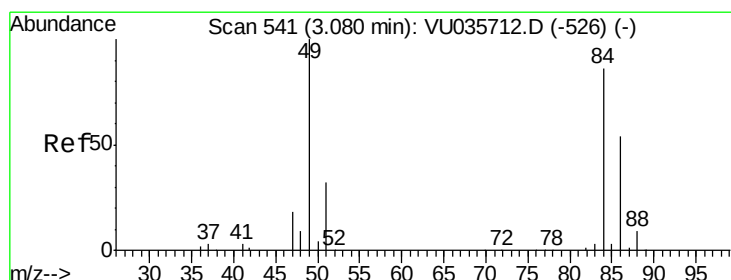
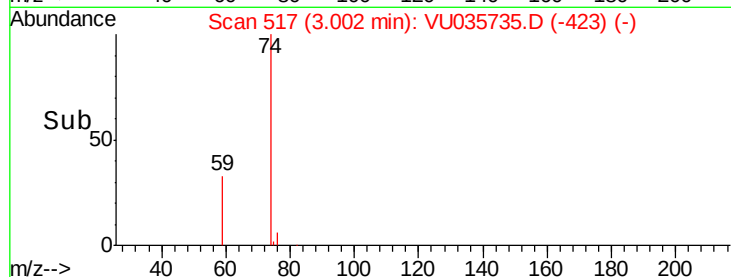
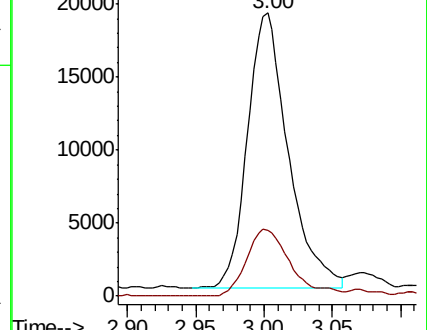
43 100

74 26.4 21.0 31.6



Abundance Ion 43.05 (42.75 to 43.75): VU035712.D (-504) (-)

Ion 74.05 (73.75 to 74.75): VU035712.D (-504) (-)



#16

Methylene chloride

Concen: 5.238 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

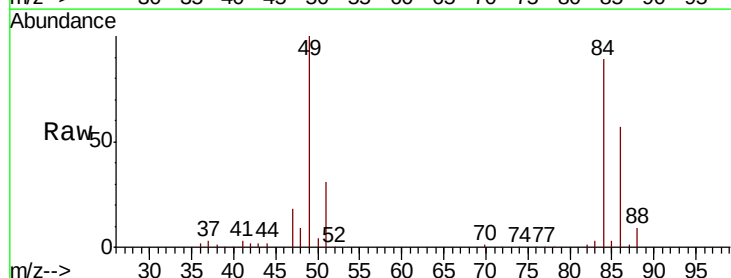
Tgt Ion: 84 Resp: 112618

Ion Ratio Lower Upper

84 100

86 64.7 45.8 85.2

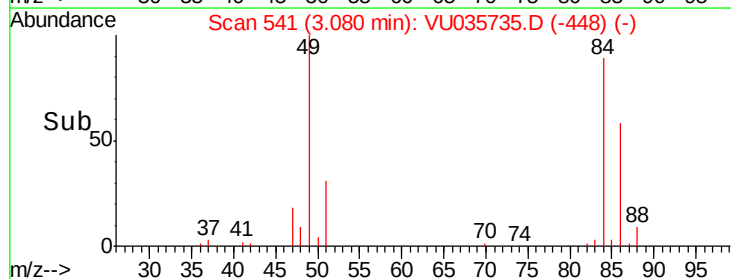
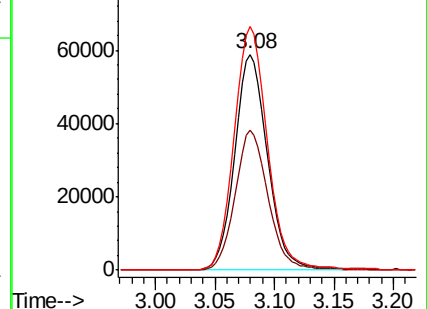
49 112.7 81.9 152.1

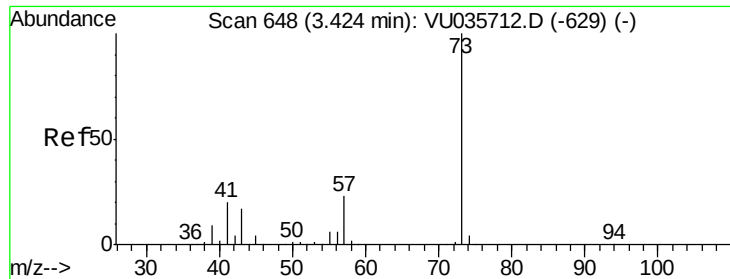


Abundance Ion 84.05 (83.75 to 84.75): VU035712.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035712.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035712.D (-526) (-)

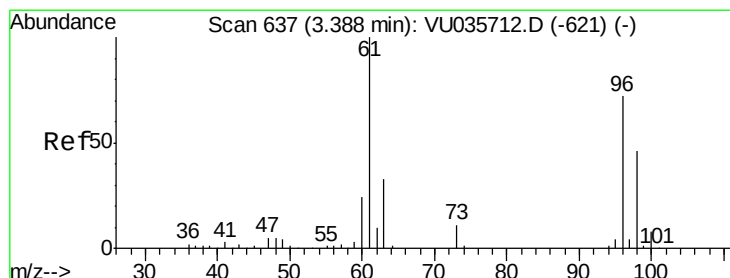
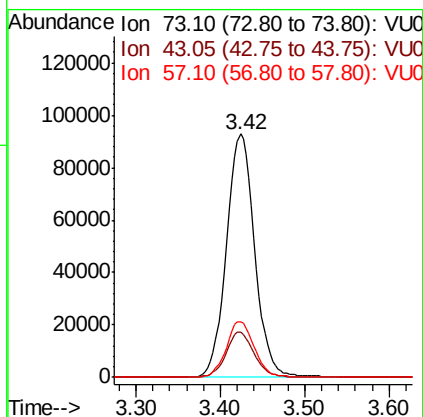
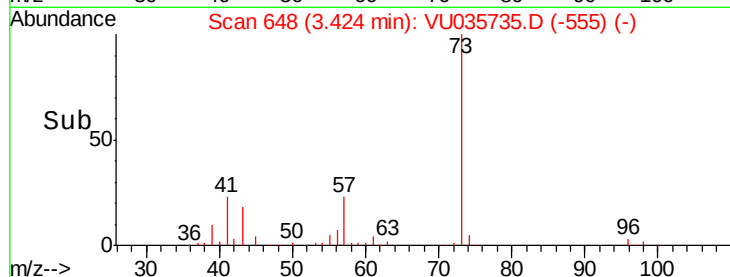
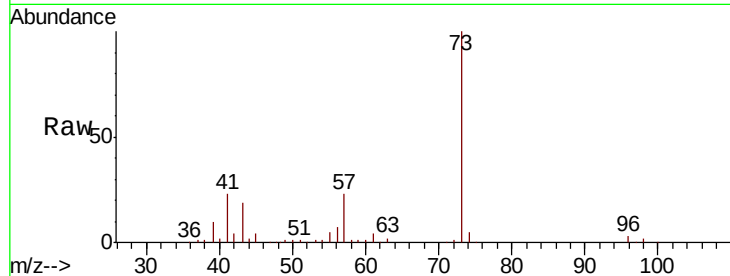




#17
Methyl tert-butyl Ether
Concen: 5.101 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

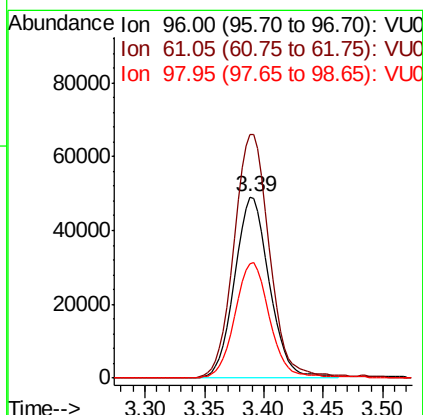
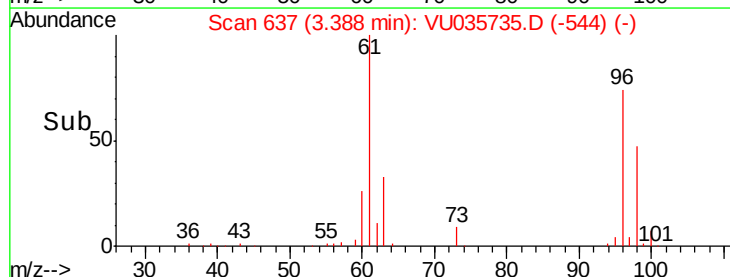
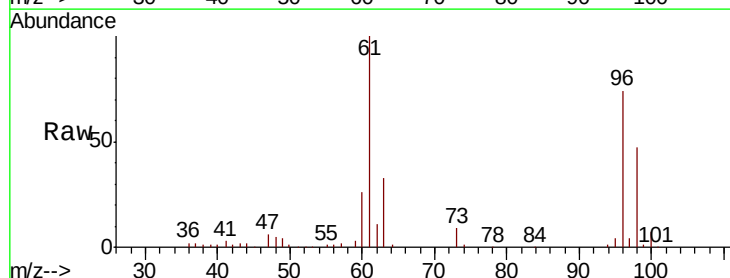
Instrument :
MSVOA_U
ClientSampleId :

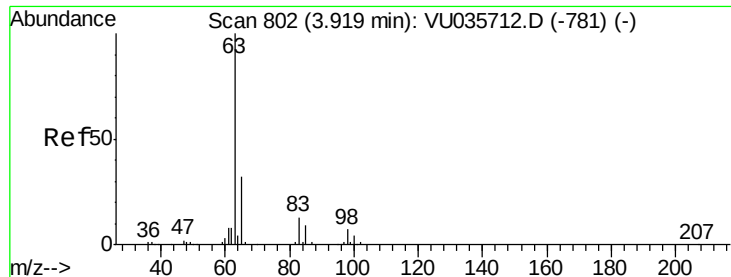
Tot Ion: 73 Resp: 216786
Ion Ratio Lower Upper
73 100
43 18.2 14.4 21.6
57 22.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.340 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

Tgt Ion: 96 Resp: 99718
Ion Ratio Lower Upper
96 100
61 134.5 95.0 176.4
98 63.4 42.5 78.9

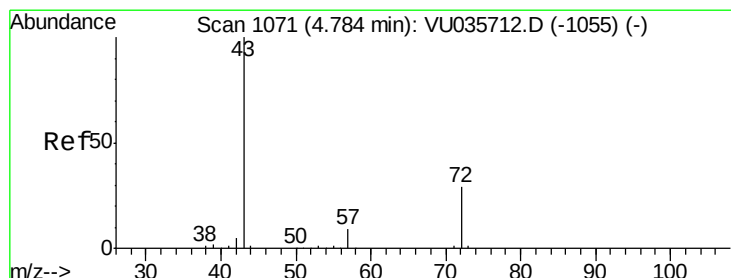
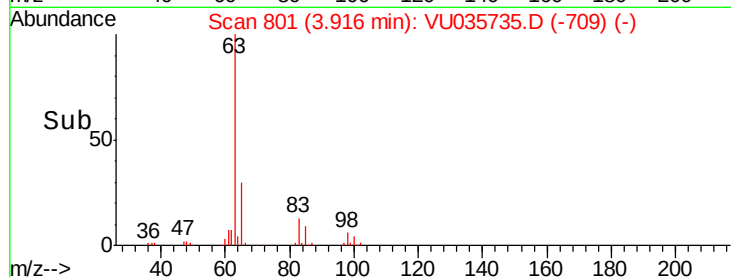
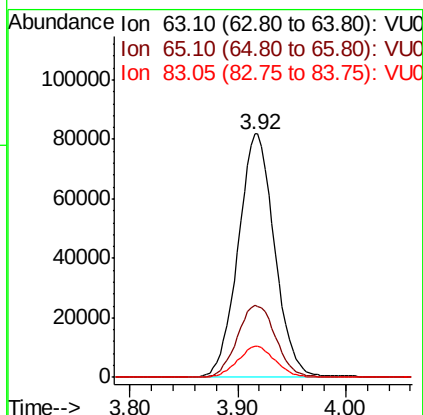
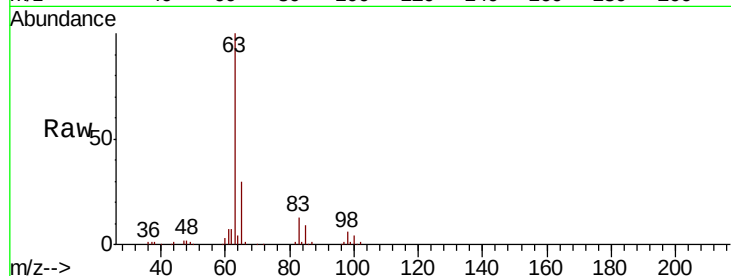




#19
 1,1-Dichloroethane
 Concen: 5.529 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

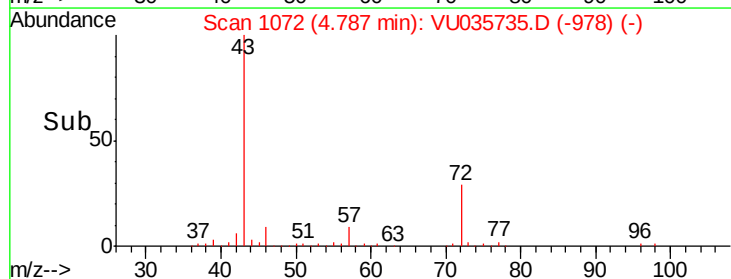
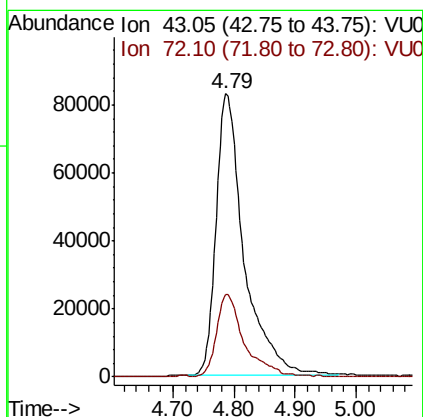
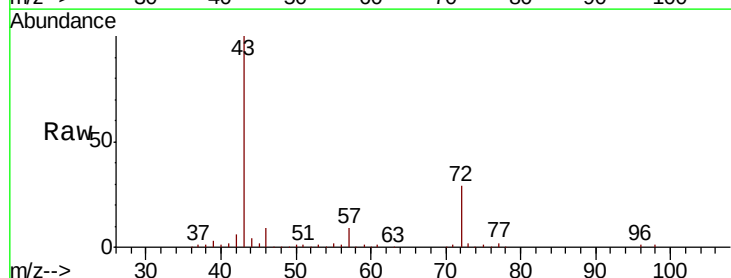
Instrument :
 MSVOA_U
 ClientSampled :

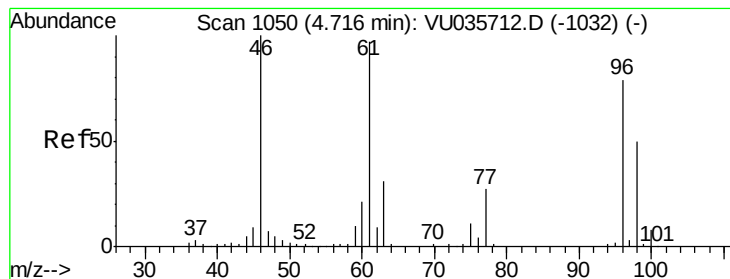
Tot Ion: 63 Resp: 191676
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.0 40.8
 83 12.8 9.3 17.3



#21
 2-Butanone
 Concen: 52.864 ug/L
 RT: 4.79 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion: 43 Resp: 265218
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 5.121 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :
MSVOA_U
ClientSampleId :

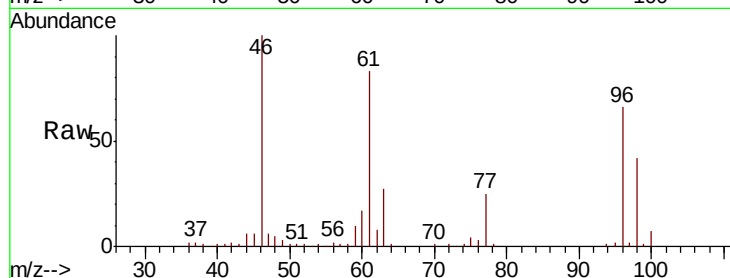
Tot Ion: 96 Resp: 105584

Ion Ratio Lower Upper

96 100

61 124.8 87.0 161.6

68 0.0 0.0 0.0

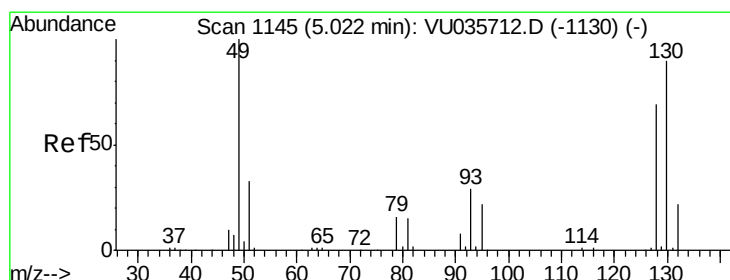
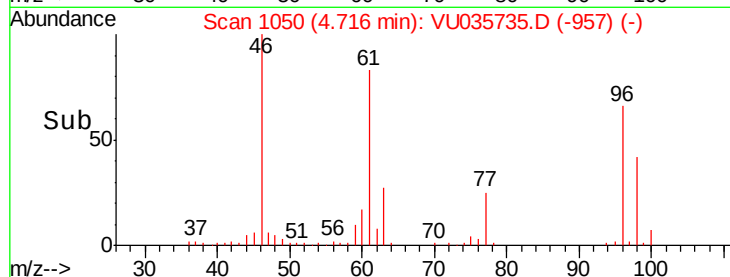
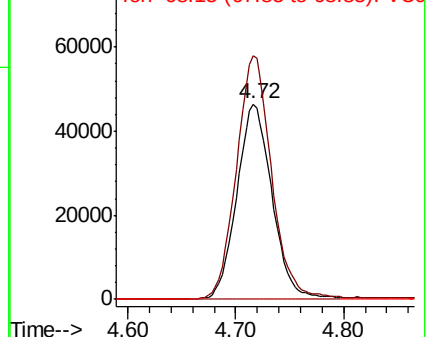


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.480 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Tgt Ion:128 Resp: 53521

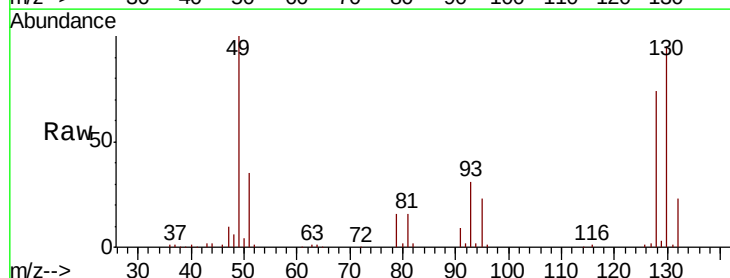
Ion Ratio Lower Upper

128 100

49 135.6 104.1 193.3

130 128.5 88.4 164.2

51 46.9 37.7 56.5



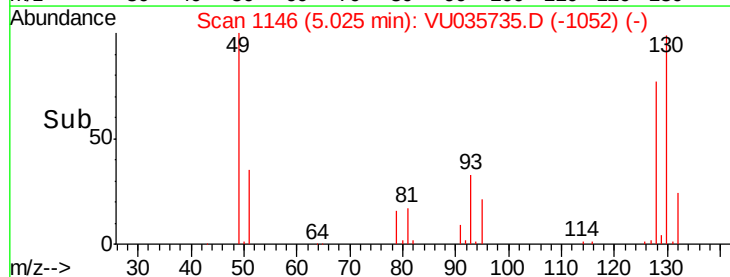
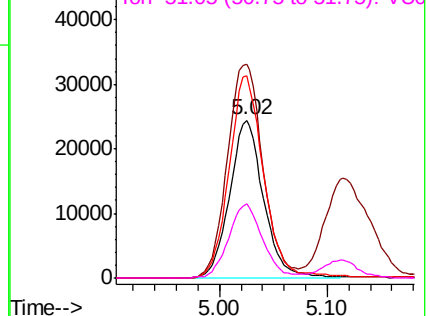
Abundance

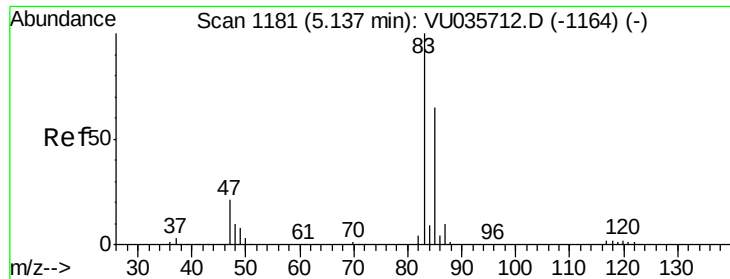
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

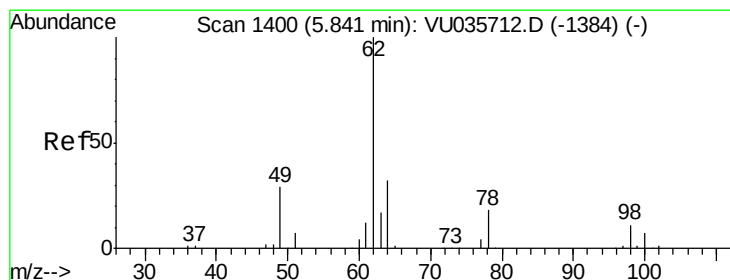
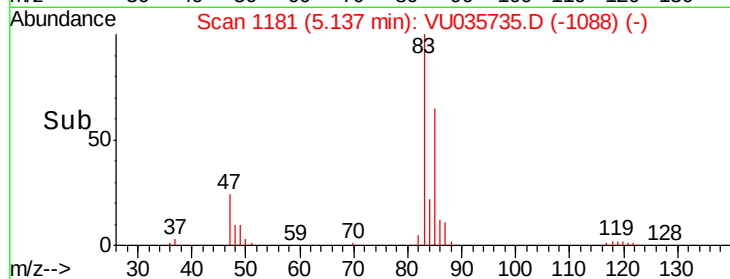
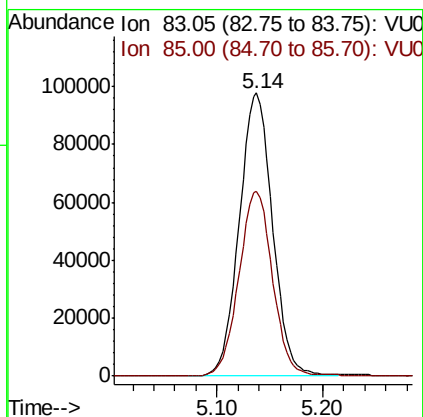
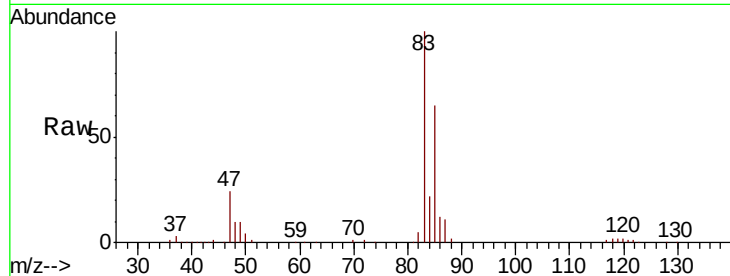




#25
Chloroform
Concen: 5.685 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

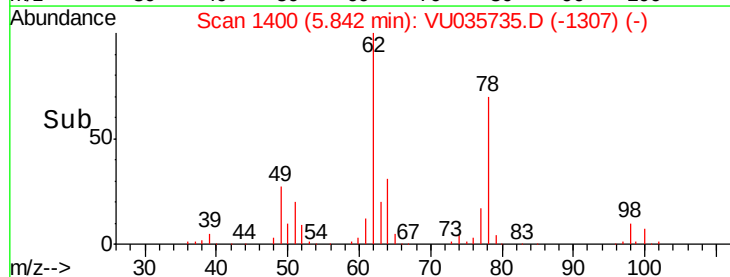
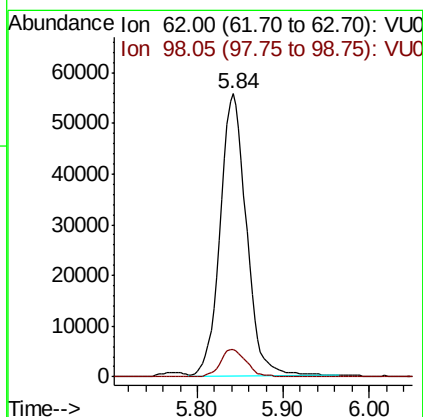
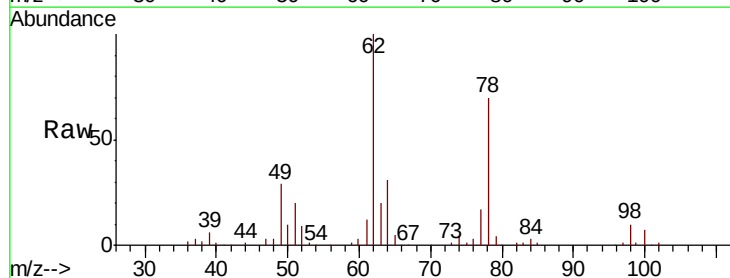
Instrument :
MSVOA_U
ClientSampled :

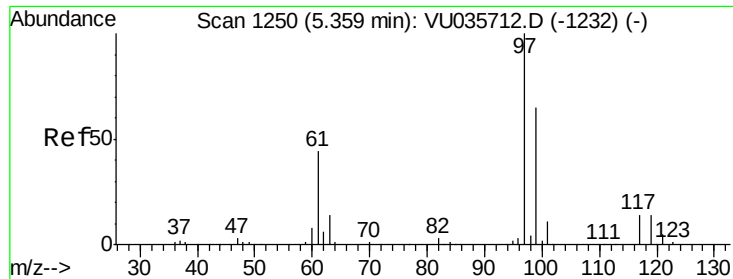
Tot Ion: 83 Resp: 214332
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.656 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

Tgt Ion: 62 Resp: 118681
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0

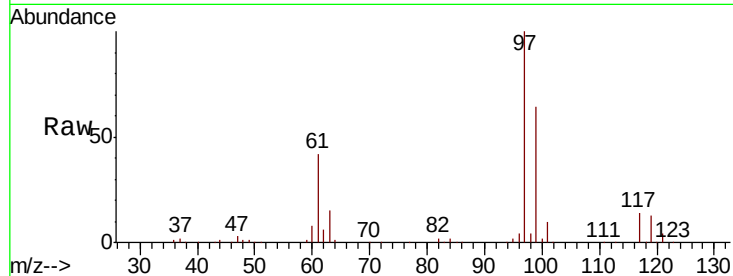




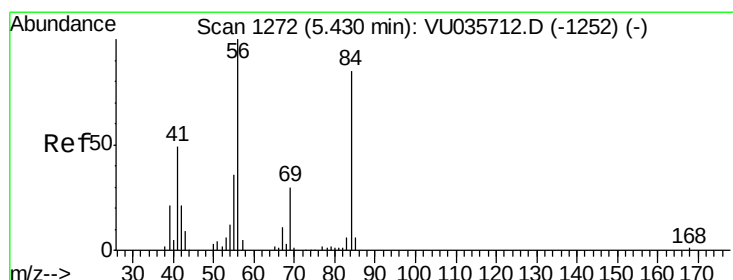
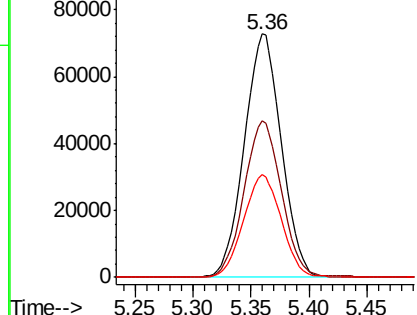
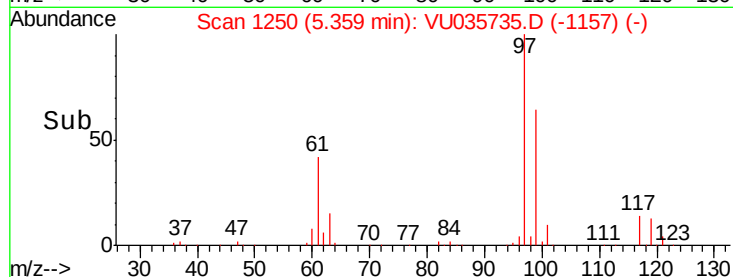
#29
 1,1,1-Trichloroethane
 Concen: 5.434 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 161923
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.3 76.9
 61 43.1 34.4 51.6

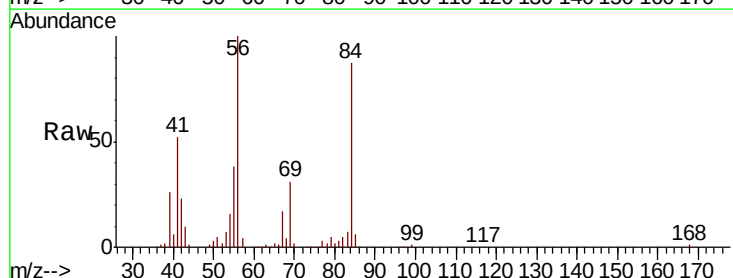


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

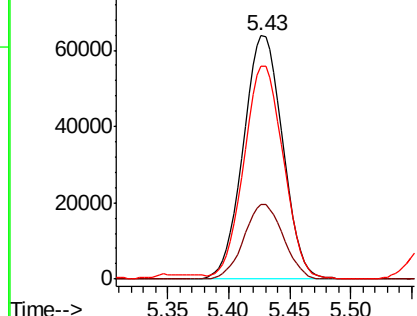
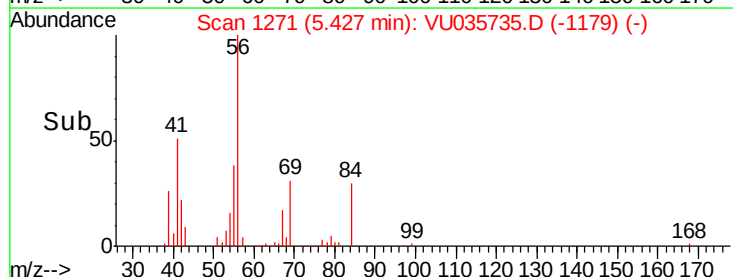


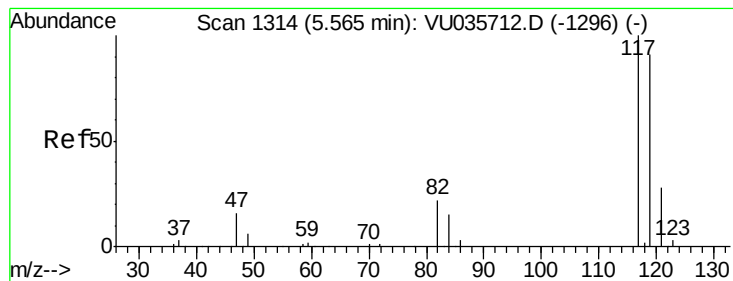
#30
 Cyclohexane
 Concen: 4.787 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion: 56 Resp: 142628
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.6 37.0
 84 86.8 69.7 104.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.469 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

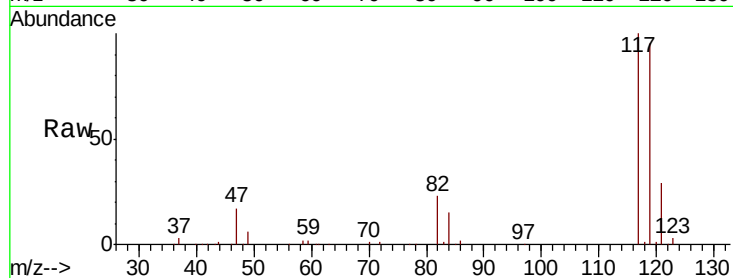
ClientSampleId :

Tot Ion:117 Resp: 146889

Ion Ratio Lower Upper

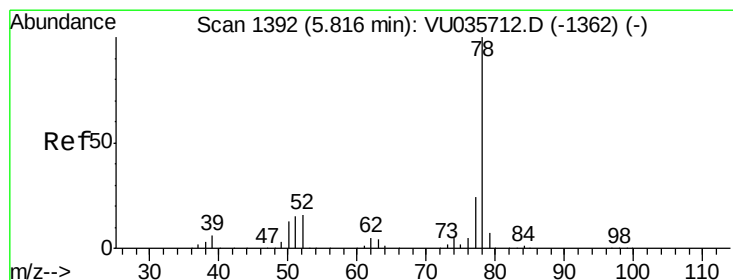
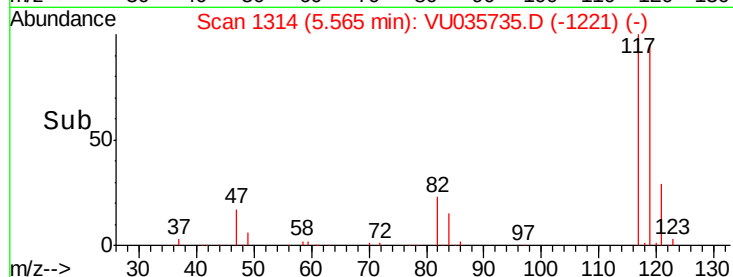
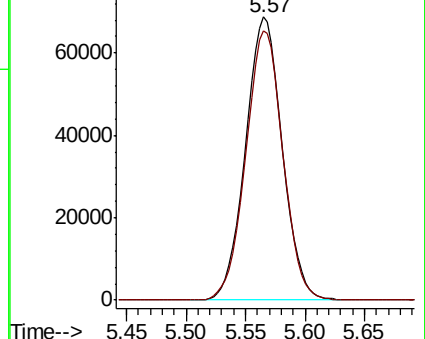
117 100

119 96.1 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.326 ug/L

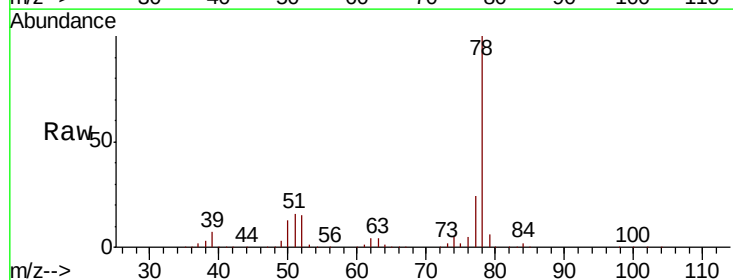
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

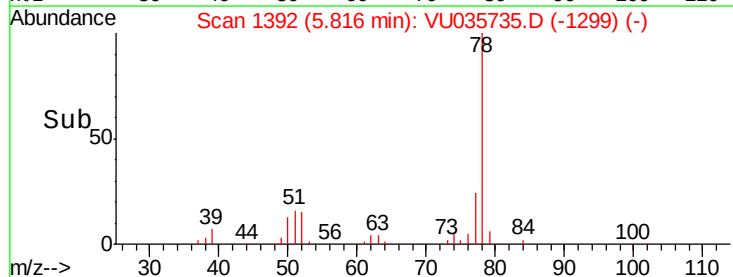
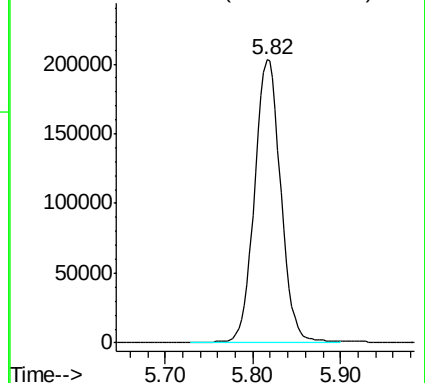
Lab File: VU035735.D

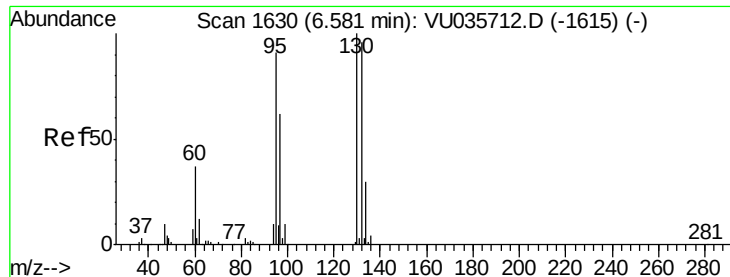
Acq: 18 Nov 2019 10:01

Tgt Ion: 78 Resp: 424309



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.256 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 107162

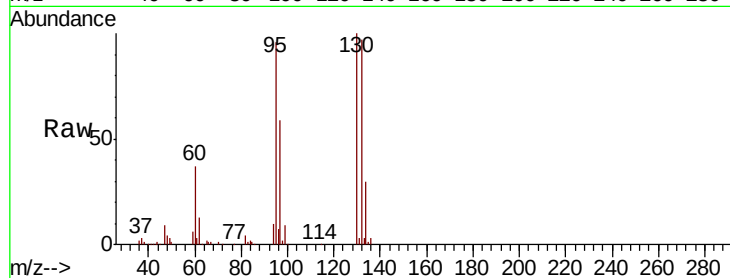
Ion Ratio Lower Upper

95 100

97 61.7 44.5 82.7

132 101.1 69.9 129.7

130 104.0 74.1 137.7

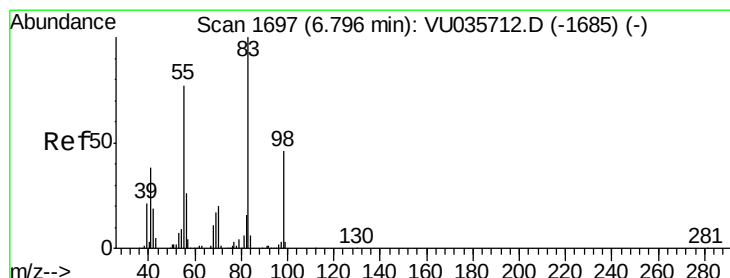
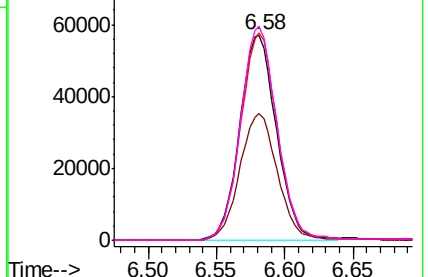
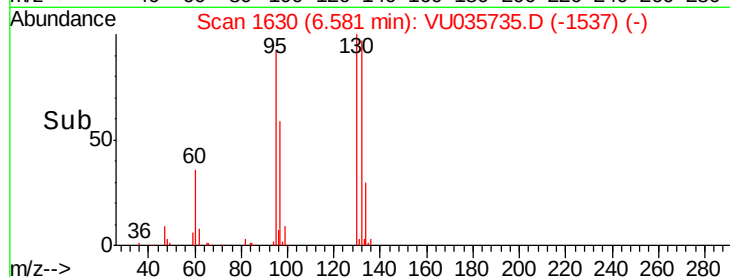


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.788 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

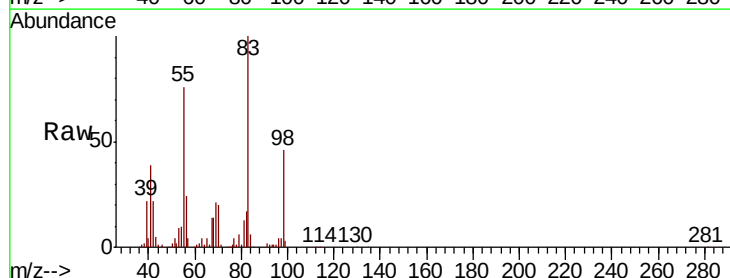
Tgt Ion: 83 Resp: 148701

Ion Ratio Lower Upper

83 100

55 77.6 62.6 93.8

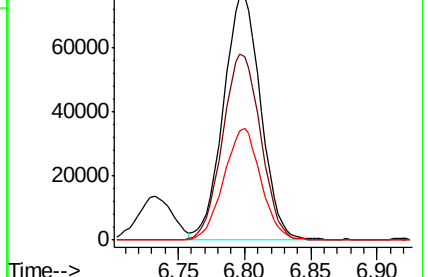
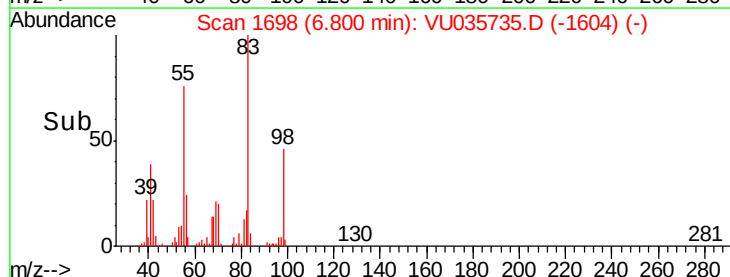
98 45.6 37.2 55.8

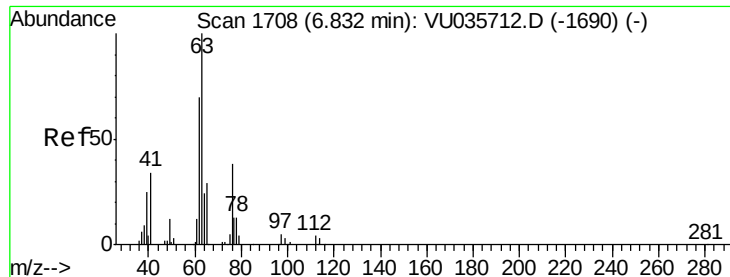


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

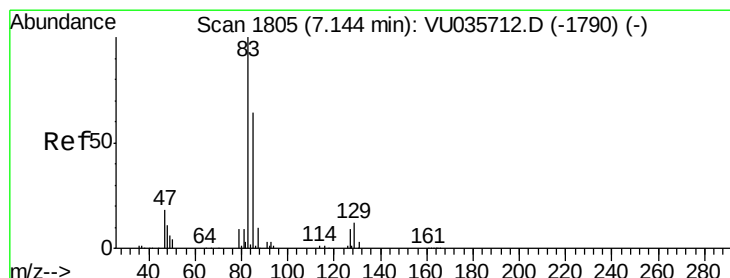
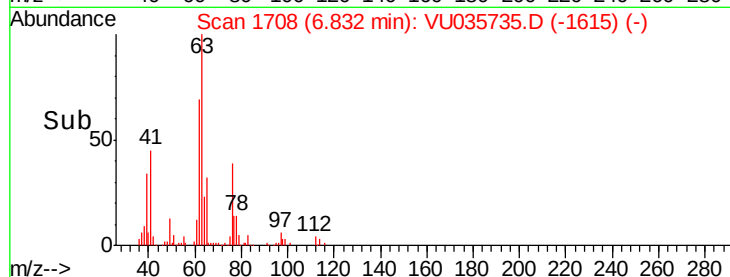
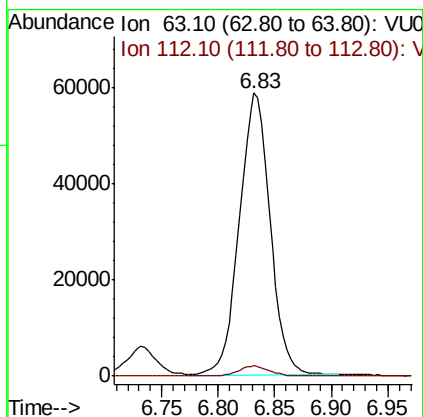
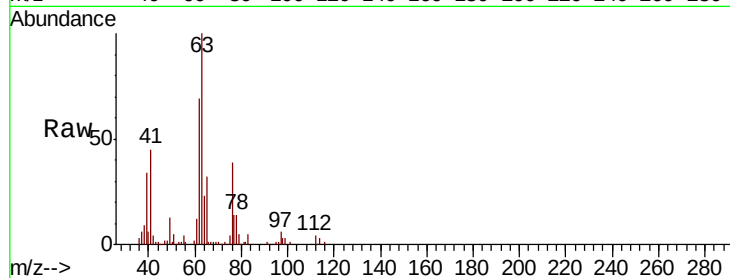




#37
 1,2-Dichloropropane
 Concen: 5.317 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

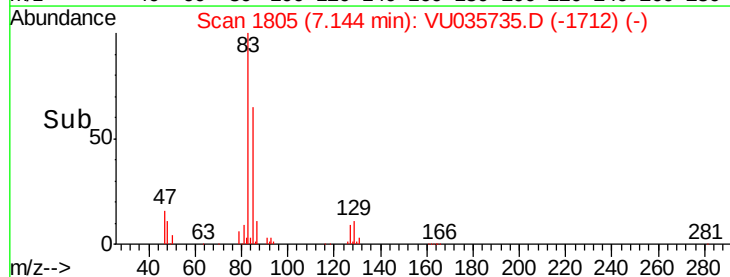
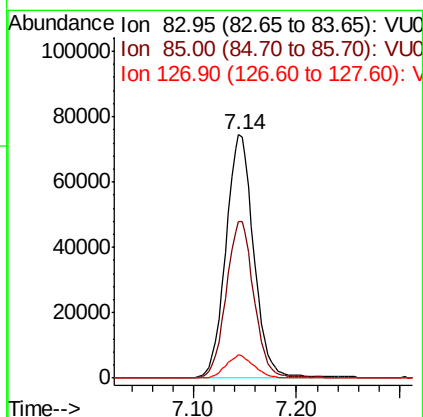
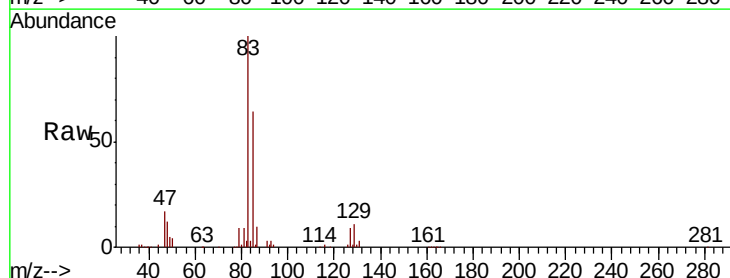
Instrument :
 MSVOA_U
 ClientSampleId :

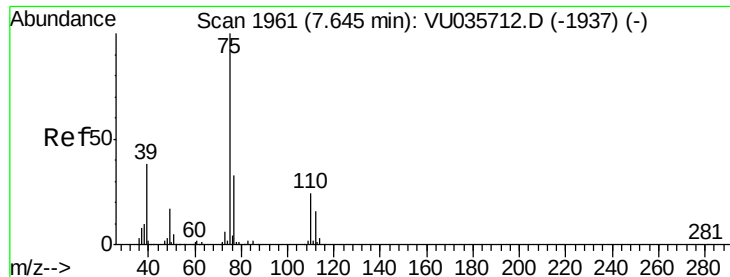
Tot Ion: 63 Resp: 111614
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.529 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion: 83 Resp: 140412
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 82.9
 127 9.4 7.1 10.7

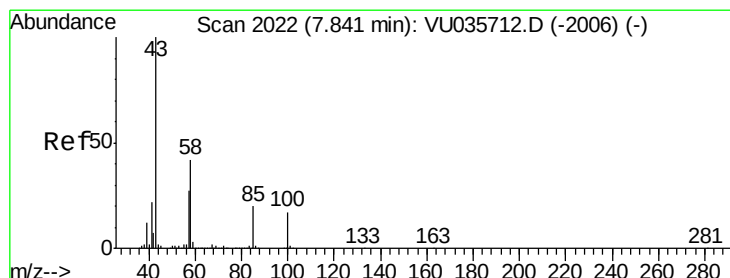
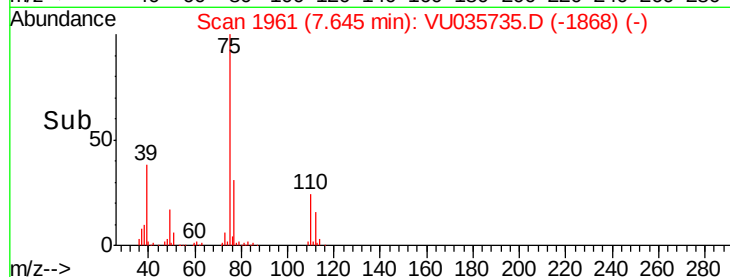
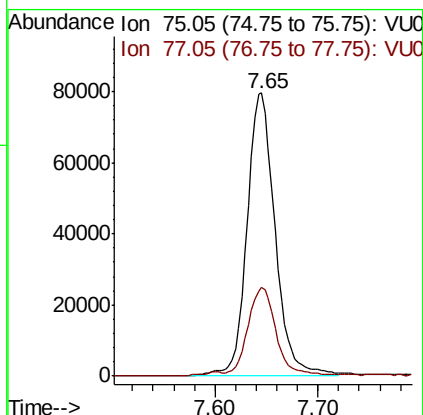
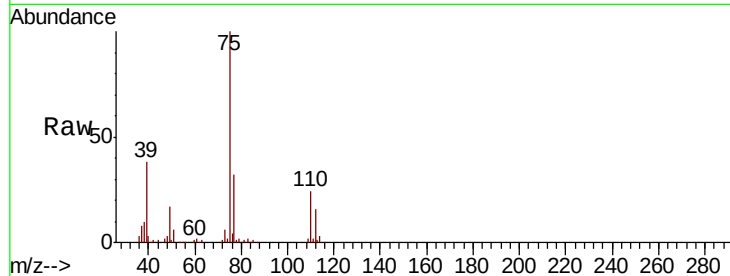




#39
 cis-1,3-Dichloropropene
 Concen: 5.033 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

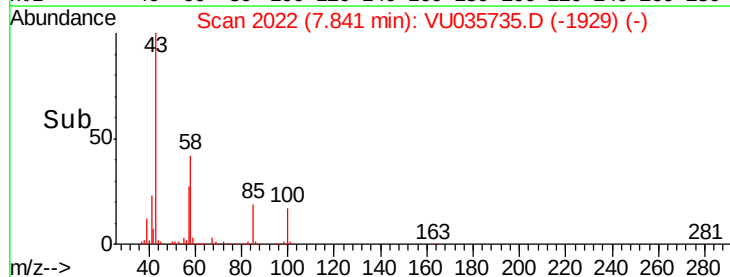
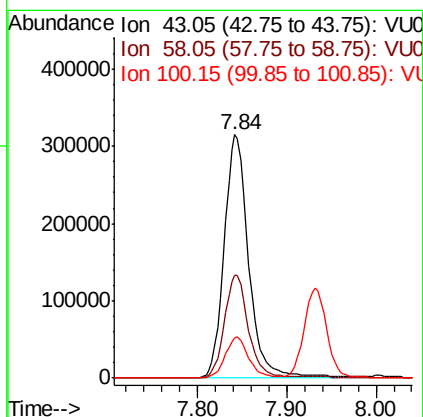
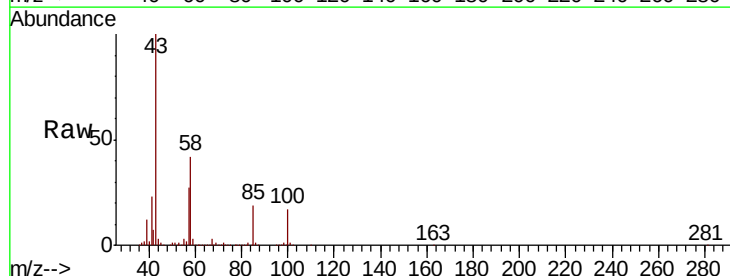
Instrument :
 MSVOA_U
 ClientSampleId :

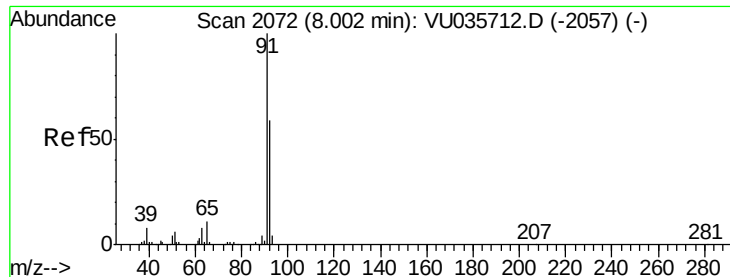
Tot Ion: 75 Resp: 150768
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 49.525 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion: 43 Resp: 597770
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.4 50.2
 100 16.1 12.7 19.1





#42

Toluene

Concen: 5.516 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

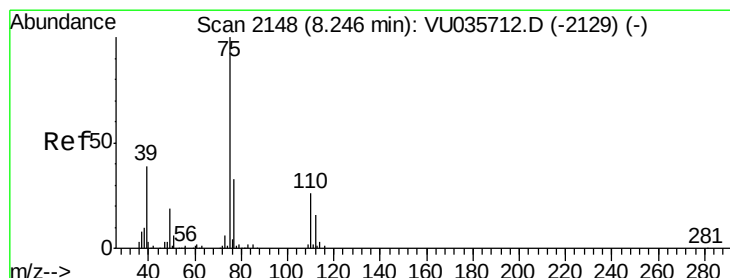
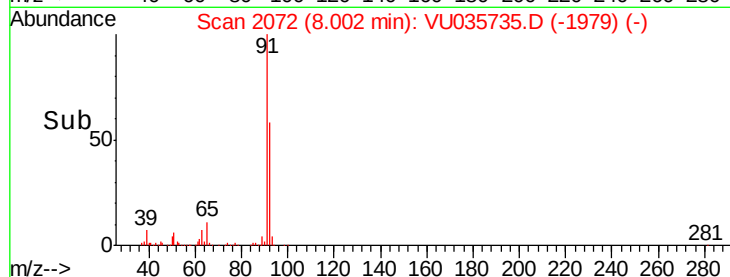
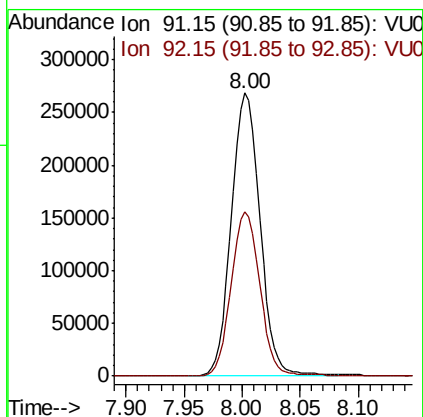
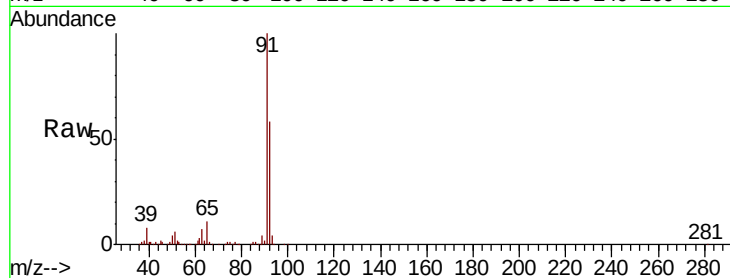
ClientSampleId :

Tot Ion: 91 Resp: 462339

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.193 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035735.D

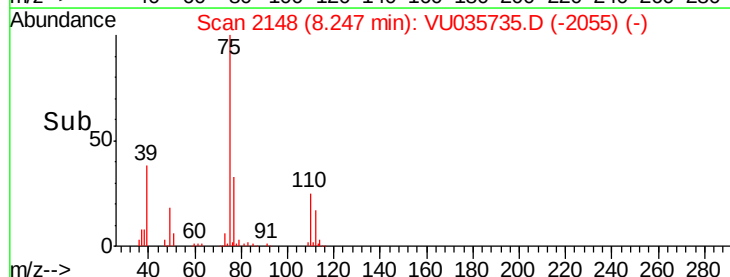
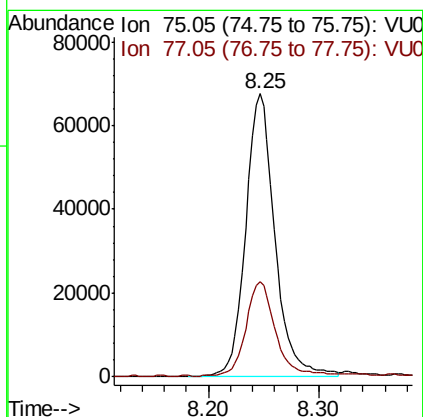
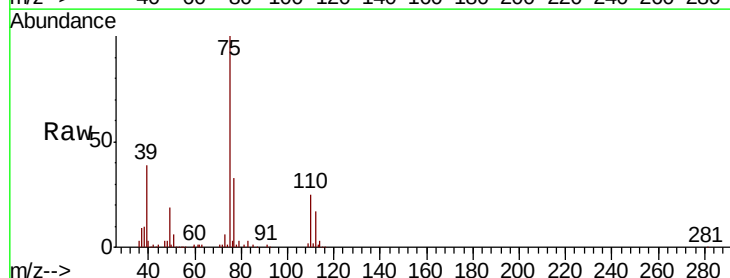
Acq: 18 Nov 2019 10:01

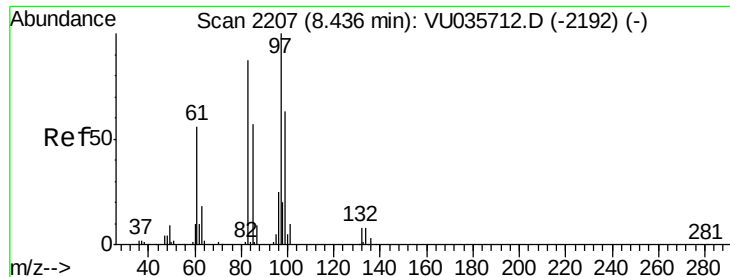
Tgt Ion: 75 Resp: 124382

Ion Ratio Lower Upper

75 100

77 33.4 21.6 40.2

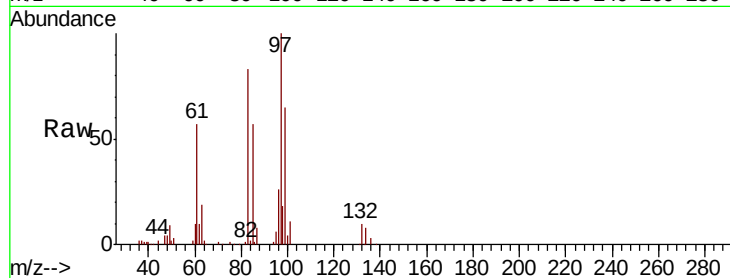




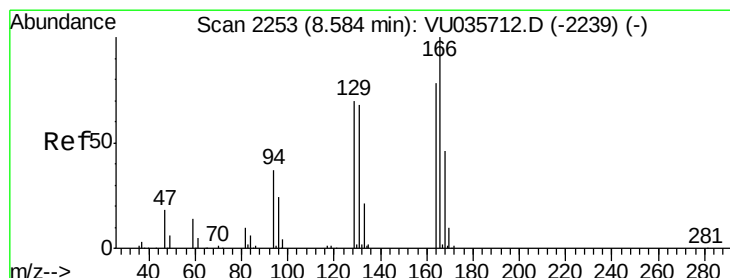
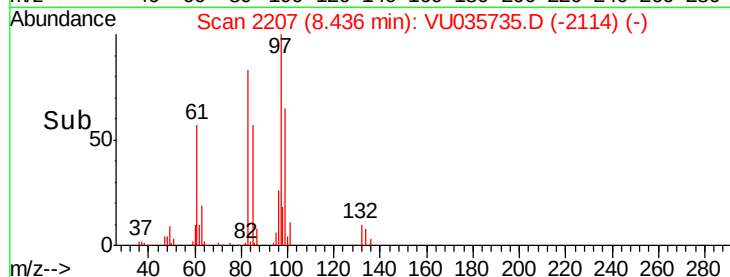
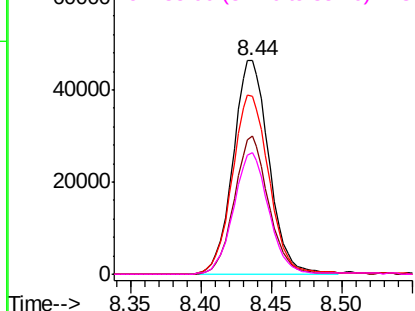
#45
 1,1,2-Trichloroethane
 Concen: 5.494 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	82585
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.8	81.4
83	83.4	61.6	114.4
85	56.9	40.0	74.4

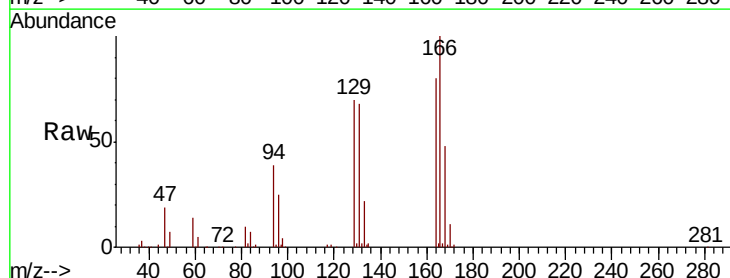


Abundance Ion 96.95 (96.65 to 97.65): VU035712.D (-2192) (-)
 Ion 99.05 (98.75 to 99.75): VU035712.D (-2192) (-)
 Ion 82.95 (82.65 to 83.65): VU035712.D (-2192) (-)
 Ion 85.00 (84.70 to 85.70): VU035712.D (-2192) (-)

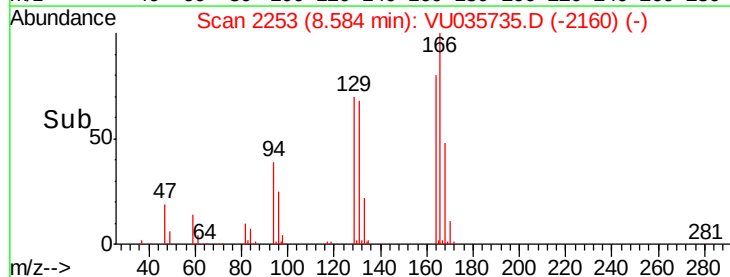
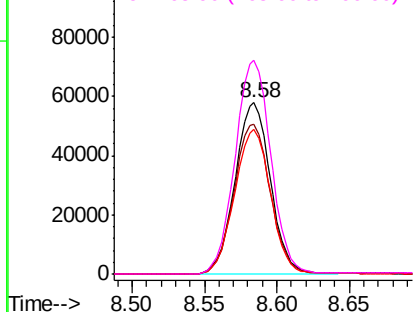


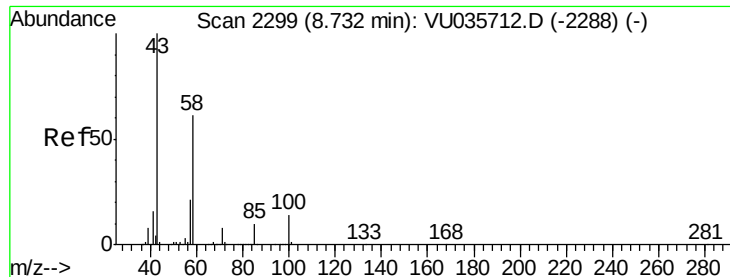
#47
 Tetrachloroethene
 Concen: 5.539 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion:	164	Resp:	98415
Ion	Ratio	Lower	Upper
164	100		
129	87.7	64.7	120.1
131	84.7	61.6	114.4
166	124.9	91.8	170.4



Abundance Ion 163.90 (163.60 to 164.60): VU035712.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035712.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035712.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035712.D (-2239) (-)

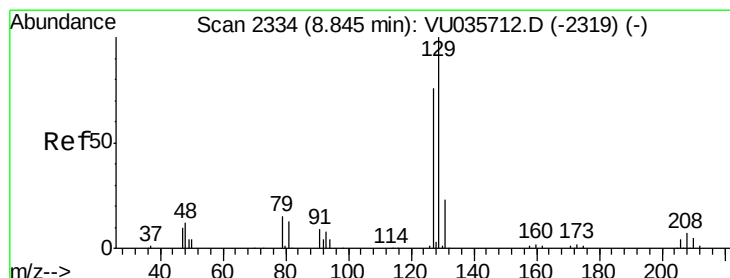
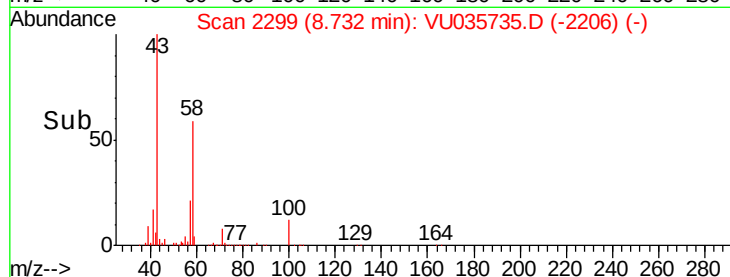
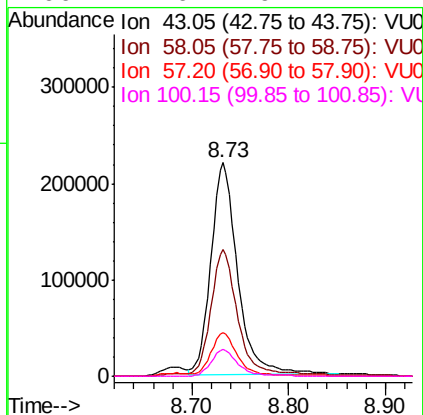
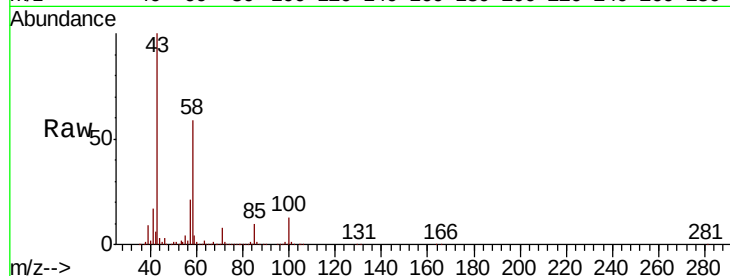




#48
2-Hexanone
Concen: 49.437 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

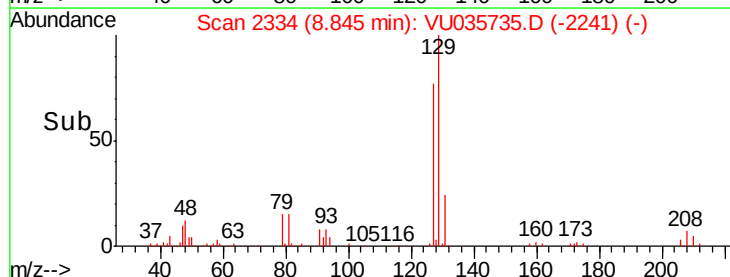
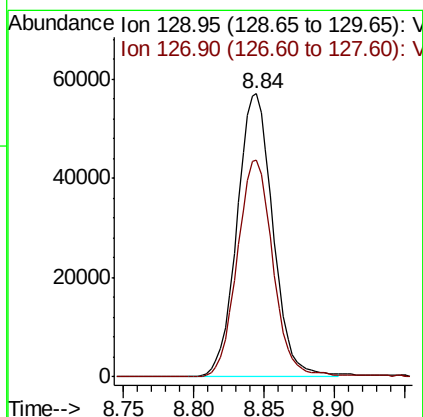
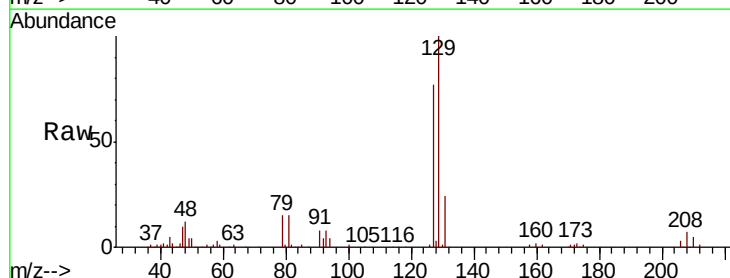
Instrument :
MSVOA_U
ClientSampleId :

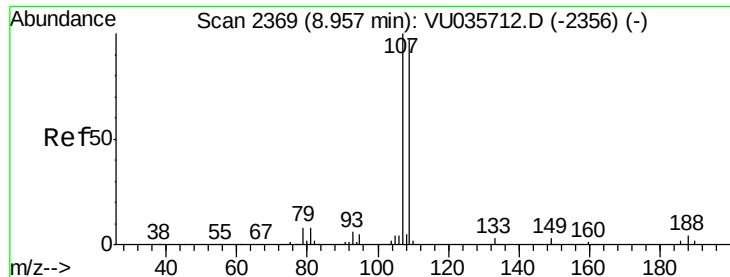
Tot Ion:	43	Resp:	424075
Ion	Ratio	Lower	Upper
43	100		
58	59.5	44.1	66.1
57	20.6	15.1	22.7
100	12.6	9.4	14.2



#49
Dibromochloromethane
Concen: 5.513 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035735.D
Acq: 18 Nov 2019 10:01

Tgt Ion:	129	Resp:	102229
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.1	98.5

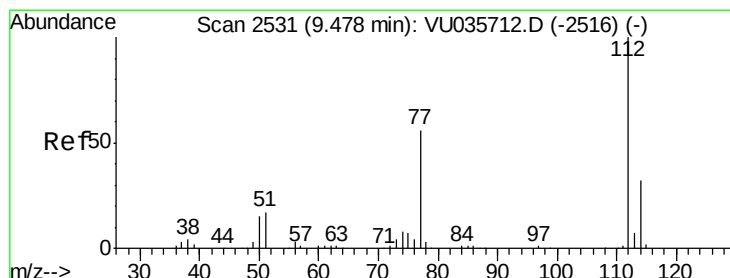
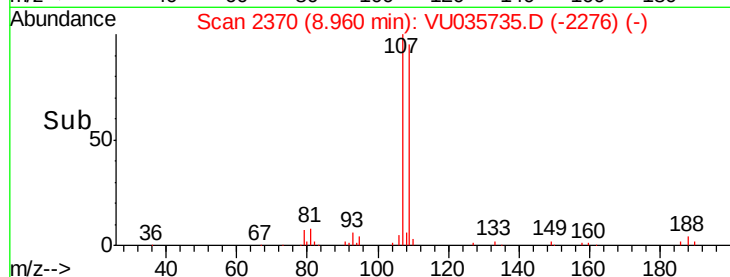
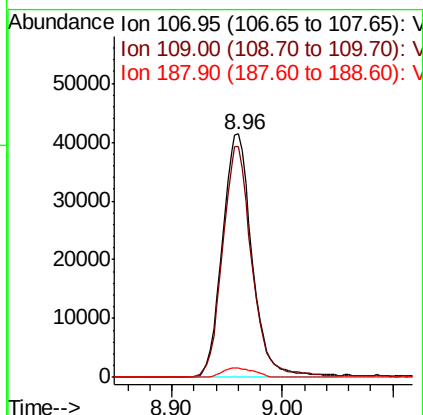
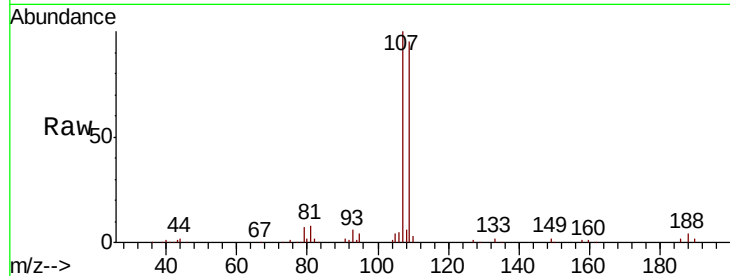




#50
 1,2-Dibromoethane
 Concen: 5.439 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

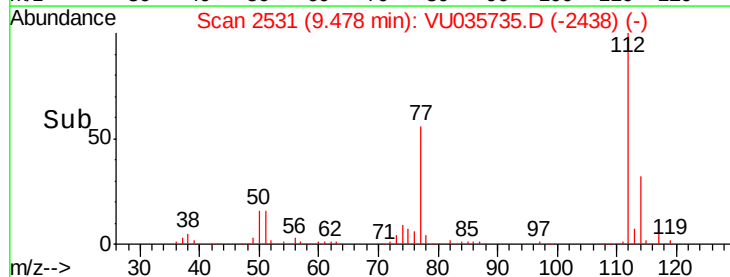
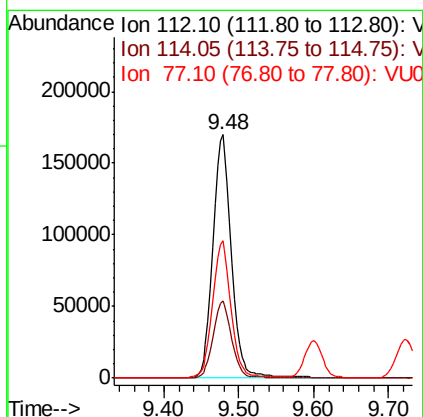
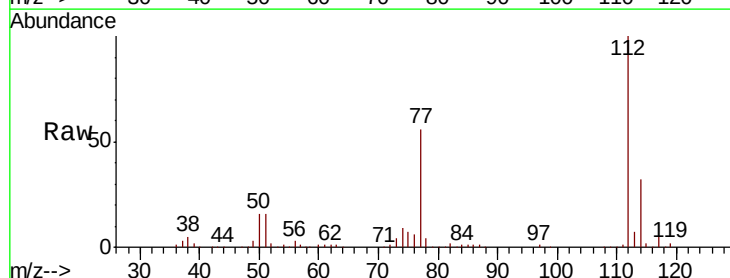
Instrument :
 MSVOA_U
 ClientSampleId :

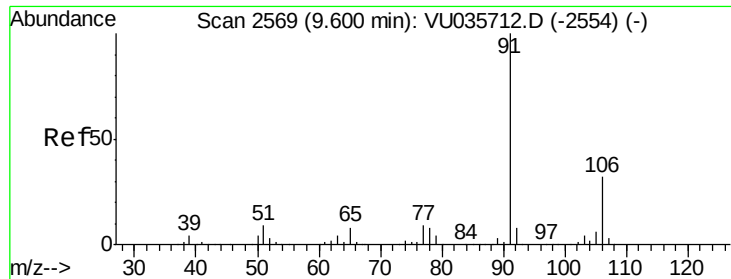
Tot Ion:107 Resp: 77576
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.5 123.5
 188 3.9 3.1 4.7



#51
 Chlorobenzene
 Concen: 5.362 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion:112 Resp: 295101
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.3 41.5
 77 56.5 44.3 66.5





#52

Ethylbenzene

Concen: 5.179 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

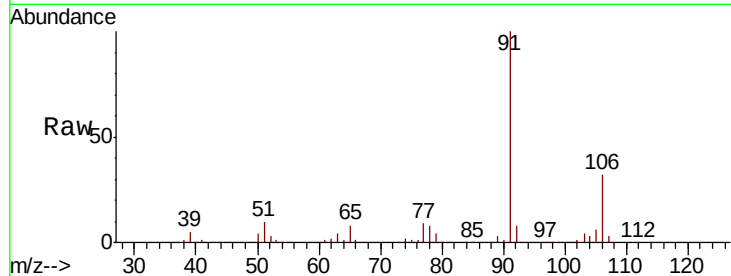
ClientSampleId :

Tot Ion: 91 Resp: 456832

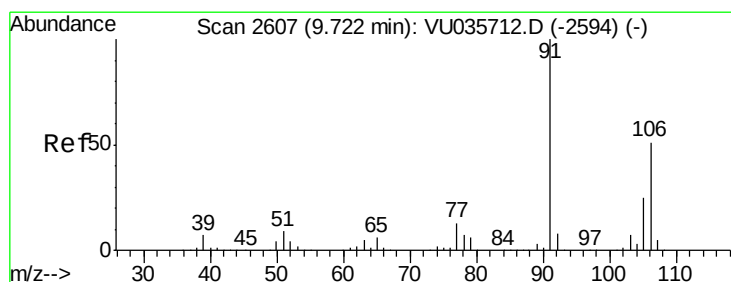
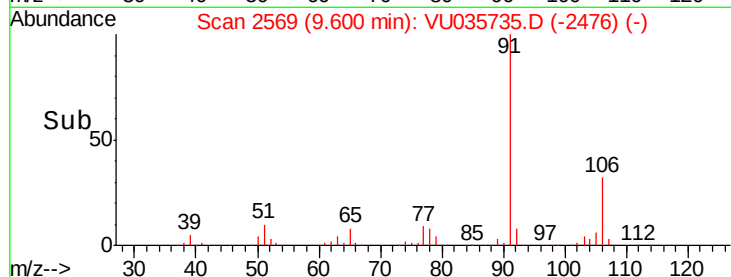
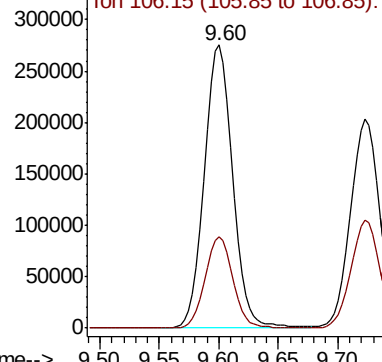
Ion Ratio Lower Upper

91 100

106 32.2 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VU035712.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.371 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035735.D

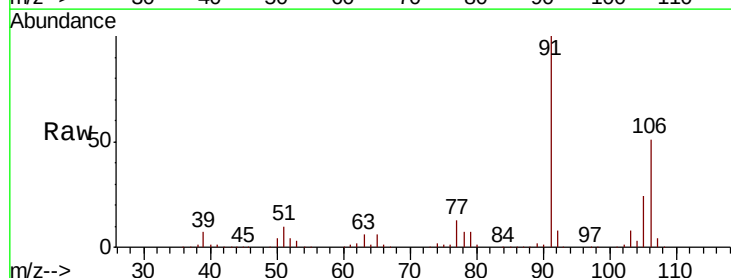
Acq: 18 Nov 2019 10:01

Tgt Ion: 106 Resp: 179409

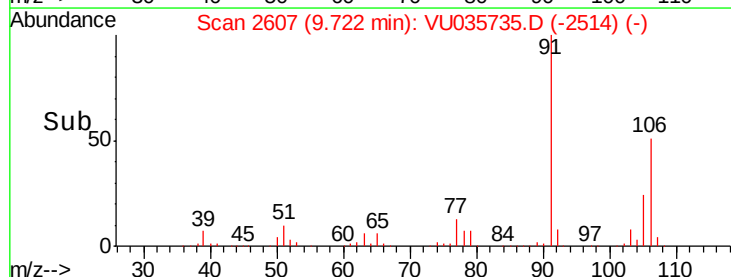
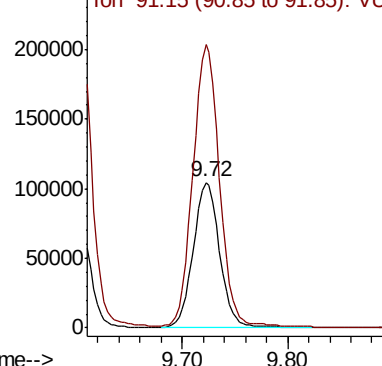
Ion Ratio Lower Upper

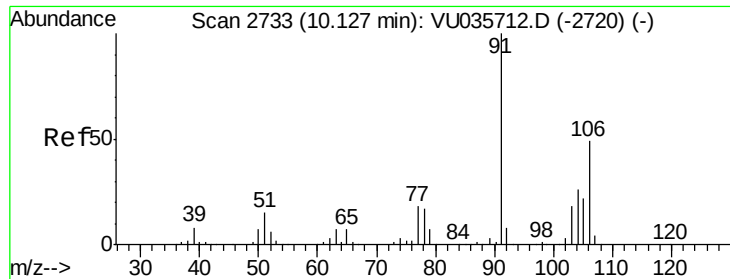
106 100

91 194.4 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): VU035712.D (-2594) (-)





#54

o-Xylene

Concen: 5.244 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

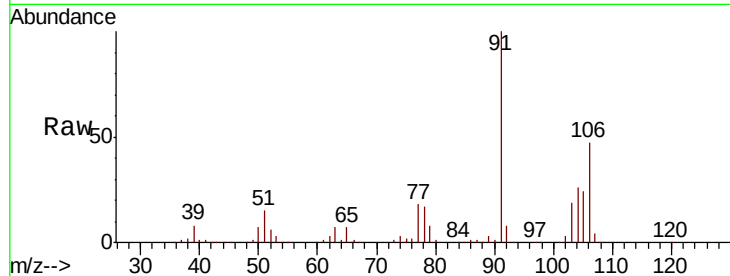
ClientSampleId :

Tot Ion:106 Resp: 169264

Ion Ratio Lower Upper

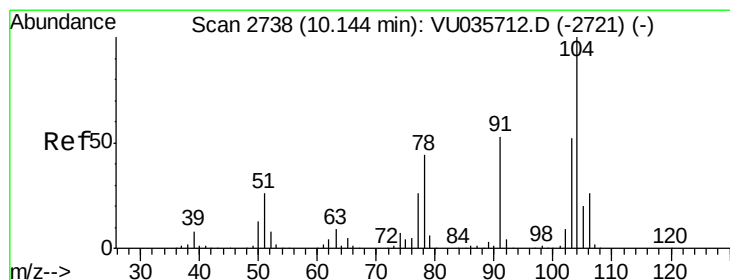
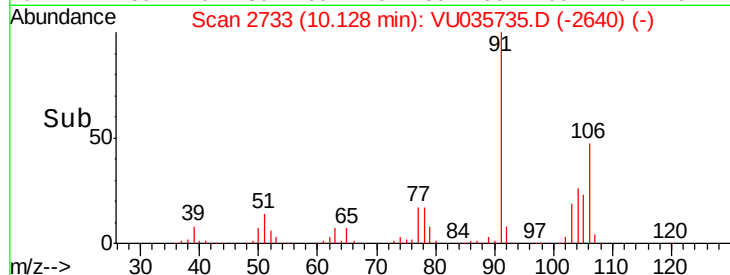
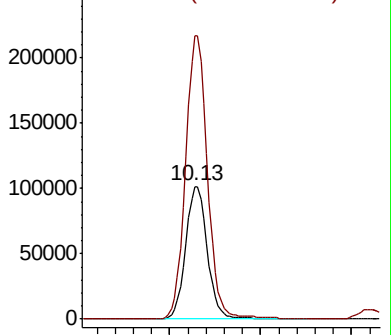
106 100

91 213.6 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.465 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035735.D

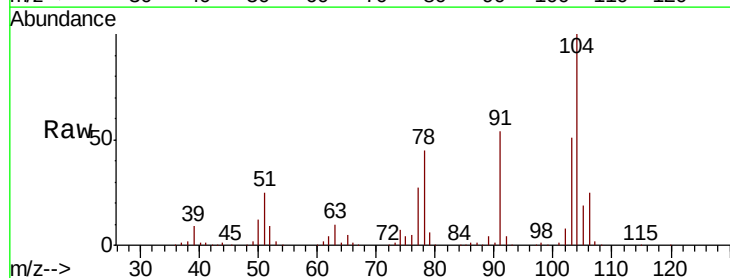
Acq: 18 Nov 2019 10:01

Tgt Ion:104 Resp: 291678

Ion Ratio Lower Upper

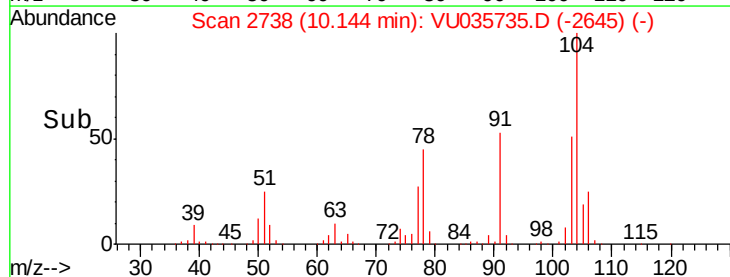
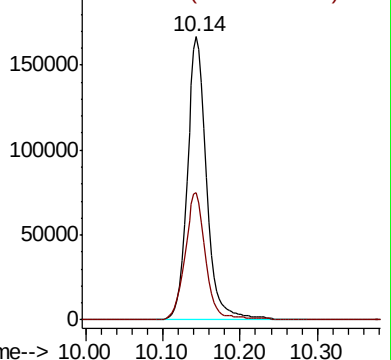
104 100

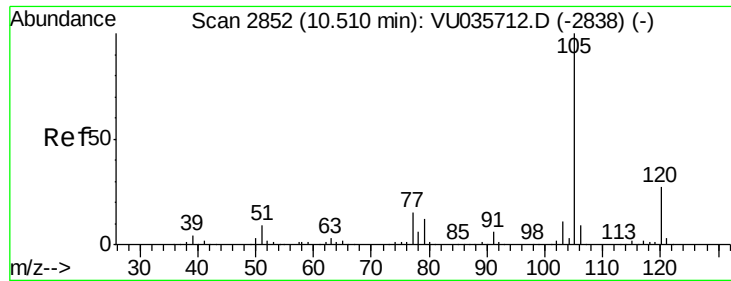
78 44.8 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.204 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

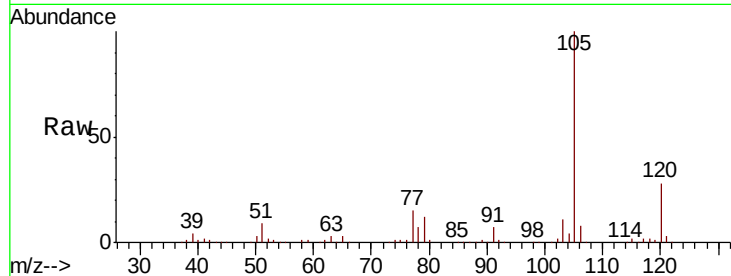
Tot Ion:105 Resp: 443272

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

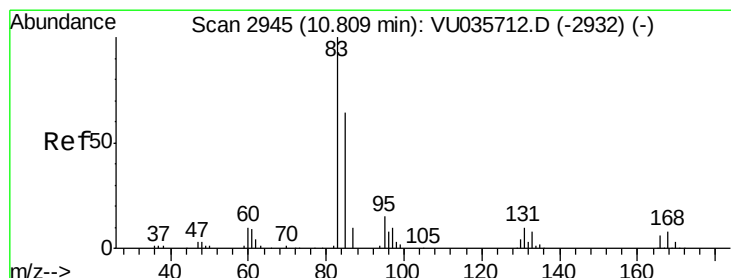
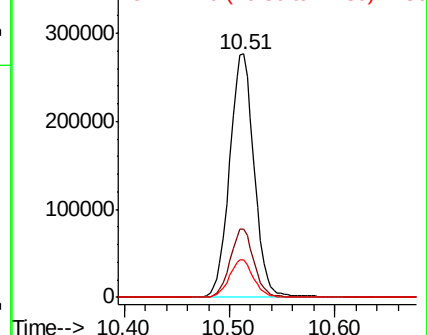
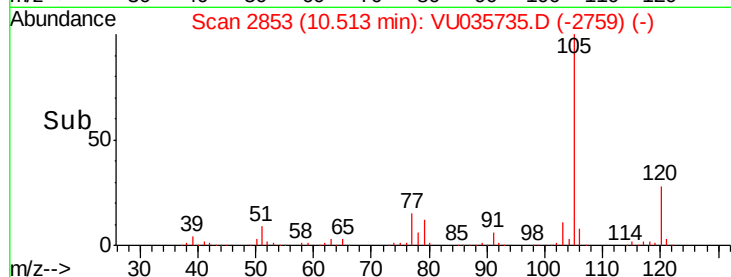
77 15.4 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.221 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

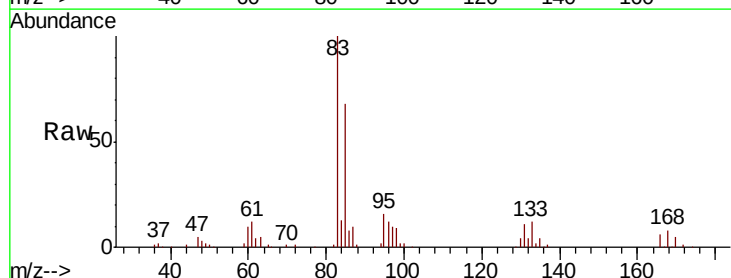
Tgt Ion: 83 Resp: 102545

Ion Ratio Lower Upper

83 100

85 67.7 45.2 84.0

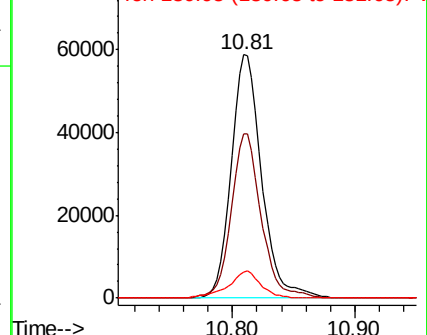
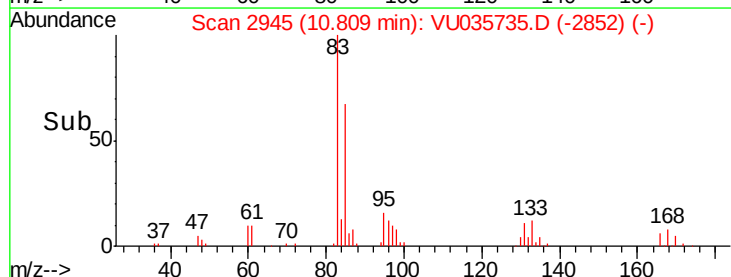
131 10.8 8.2 12.4

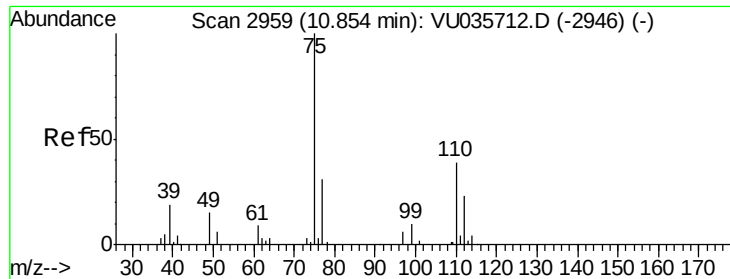


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.185 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

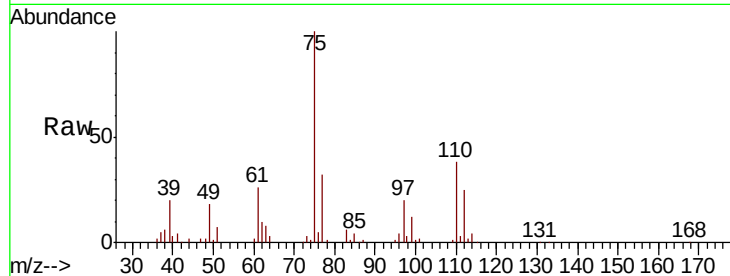
ClientSampleId :

Tot Ion: 75 Resp: 71975

Ion Ratio Lower Upper

75 100

77 32.6 26.8 40.2

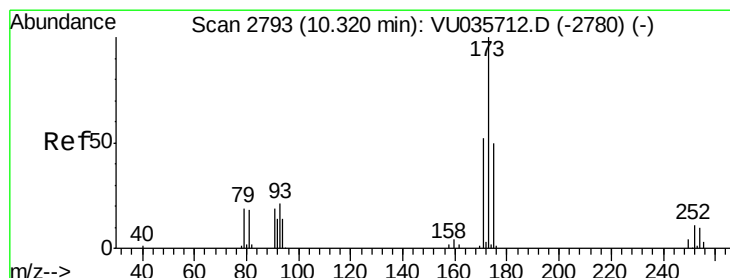
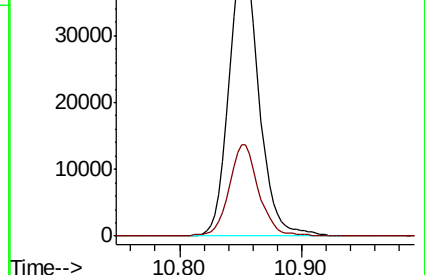
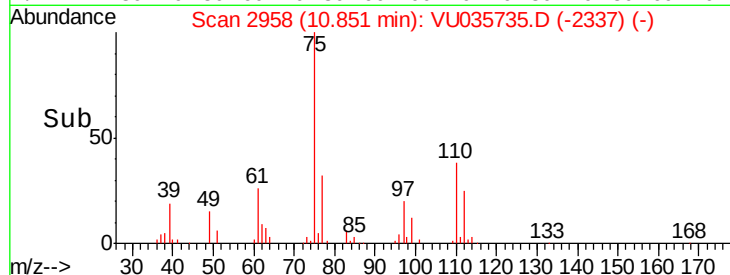


Abundance Ion 75.00 (74.70 to 75.70): VU035712.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU035712.D (-2946) (-)

10.85

Time-->



#61

Bromoform

Concen: 5.047 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

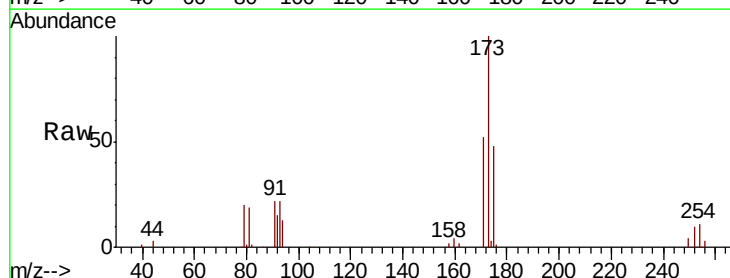
Tgt Ion: 173 Resp: 60794

Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.4

254 10.2 8.5 12.7



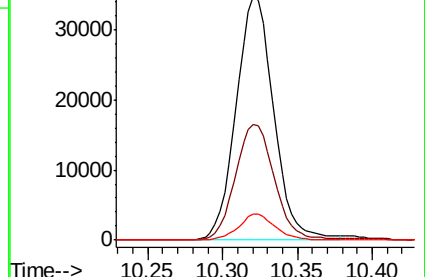
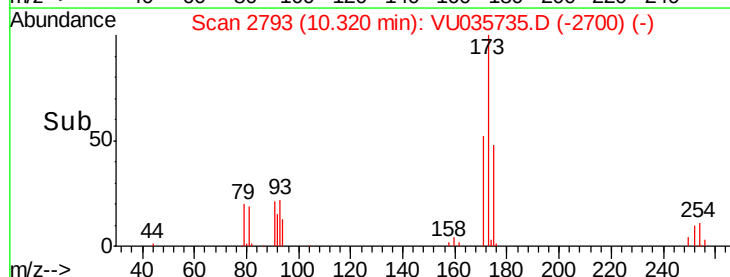
Abundance Ion 172.90 (172.60 to 173.60): VU035712.D (-2780) (-)

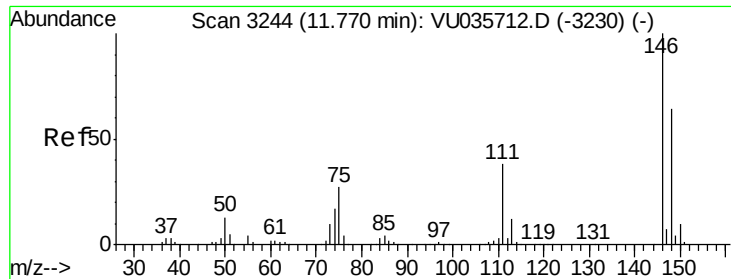
Ion 174.90 (174.60 to 175.60): VU035712.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035712.D (-2780) (-)

10.32

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.111 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

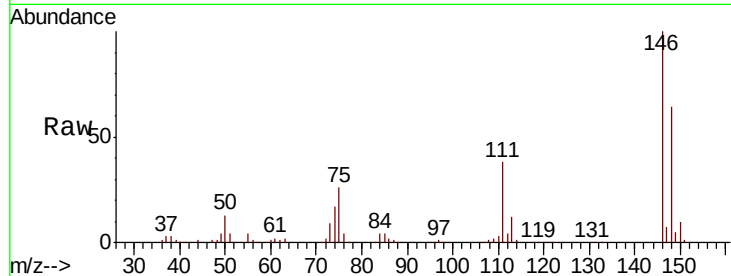
Tot Ion:146 Resp: 227780

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

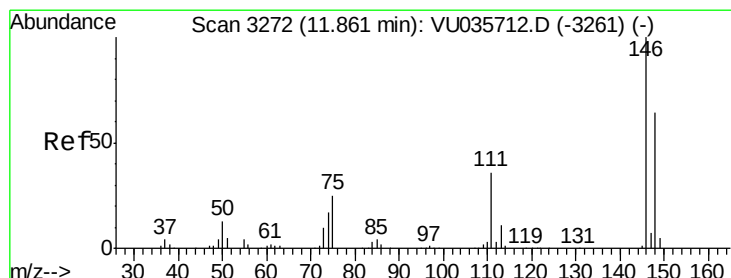
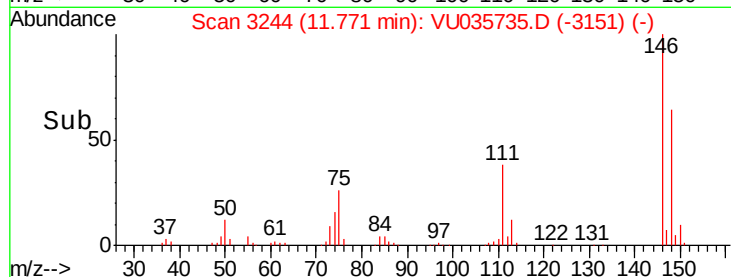
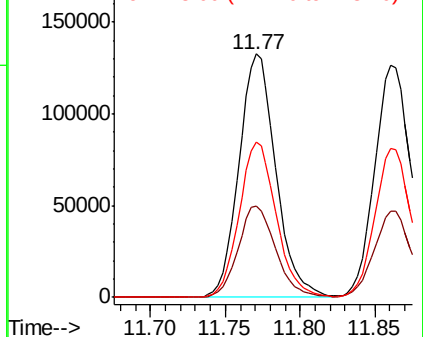
148 64.0 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.147 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

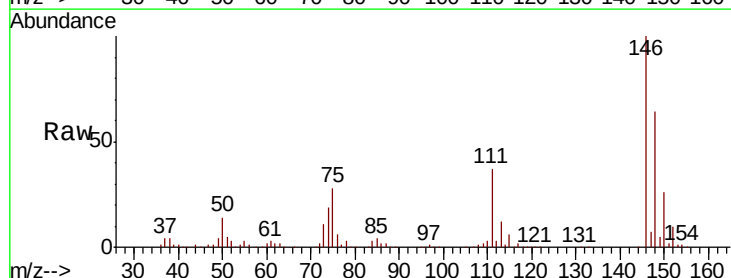
Tgt Ion:146 Resp: 220887

Ion Ratio Lower Upper

146 100

111 37.2 25.9 48.1

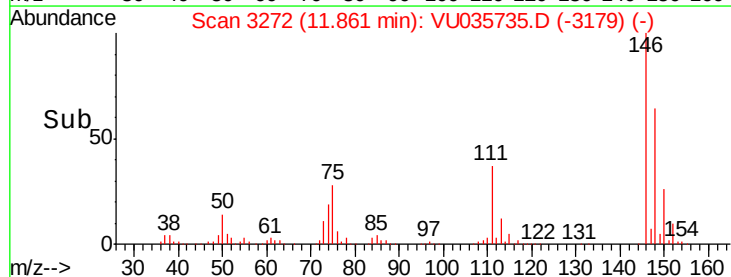
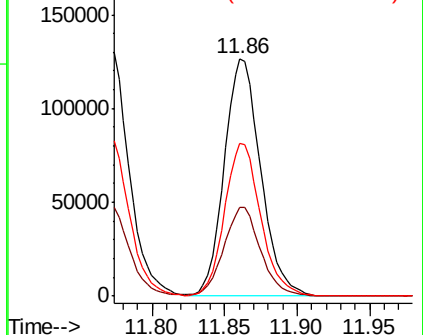
148 64.3 44.1 81.9

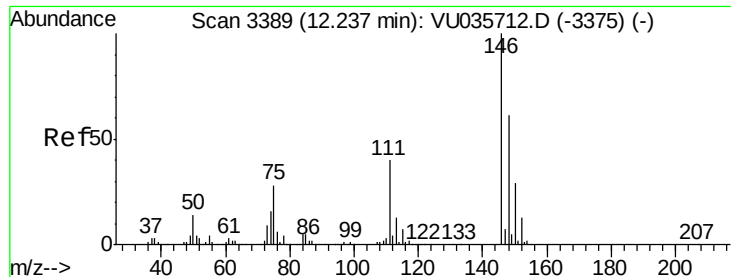


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.127 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

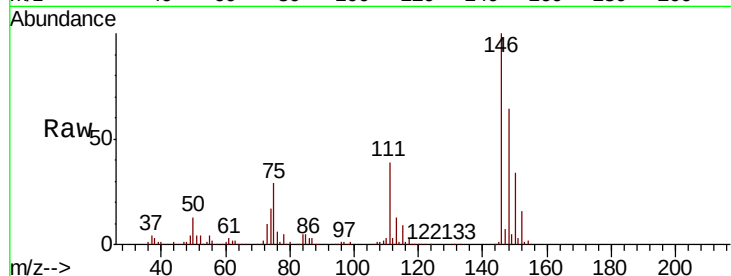
Tot Ion:146 Resp: 214415

Ion Ratio Lower Upper

146 100

111 39.2 32.2 48.4

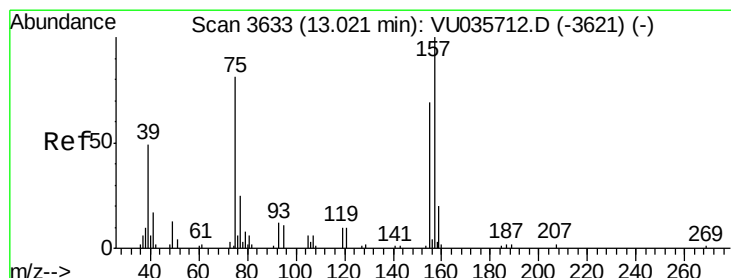
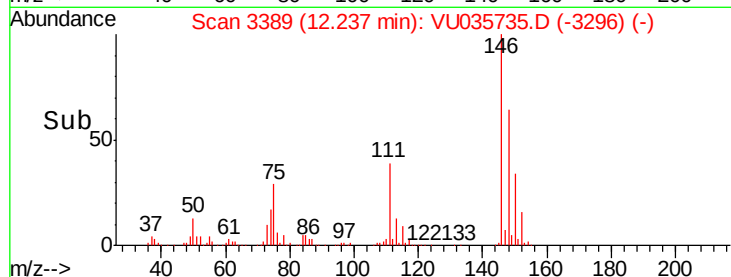
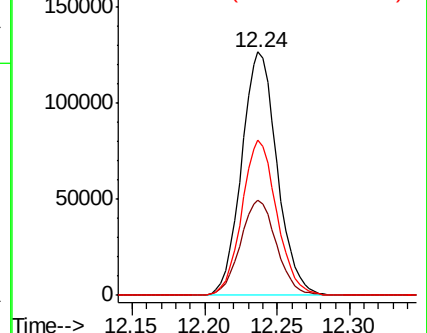
148 63.6 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.835 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

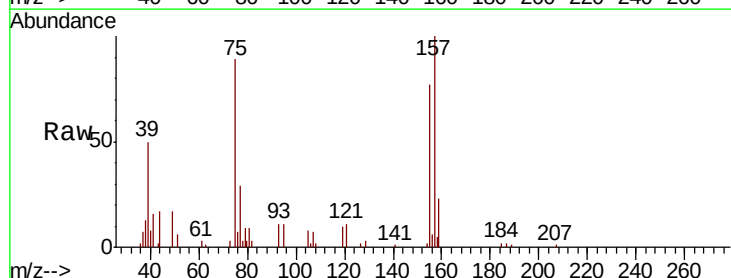
Tgt Ion: 75 Resp: 12867

Ion Ratio Lower Upper

75 100

155 87.2 73.3 109.9

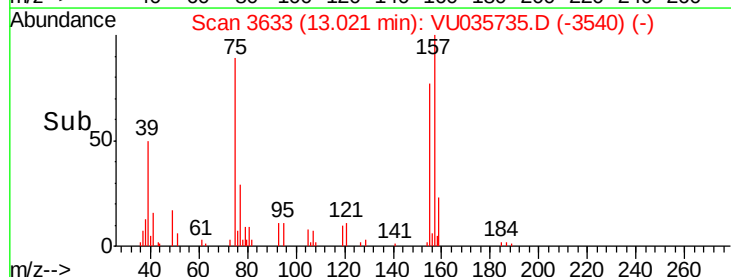
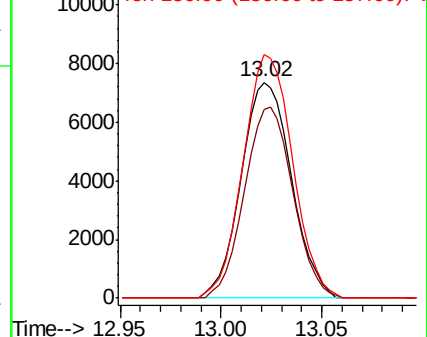
157 112.7 102.2 153.4

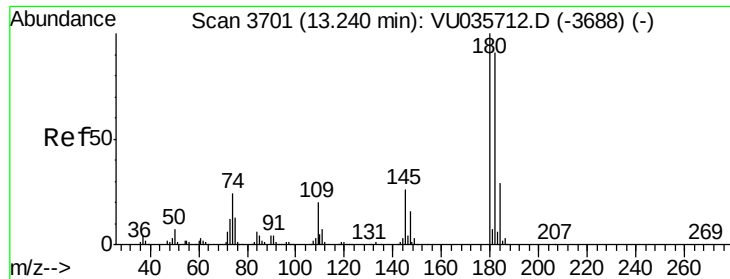


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

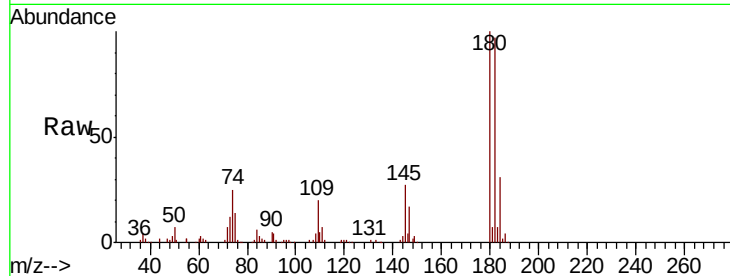




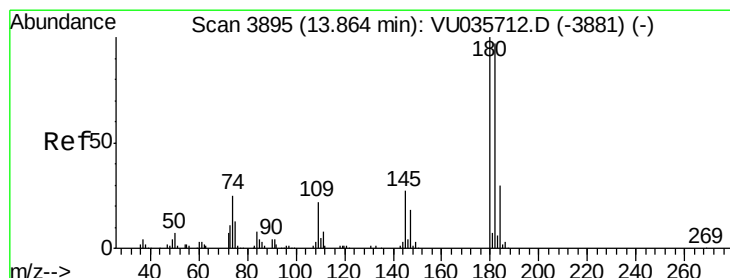
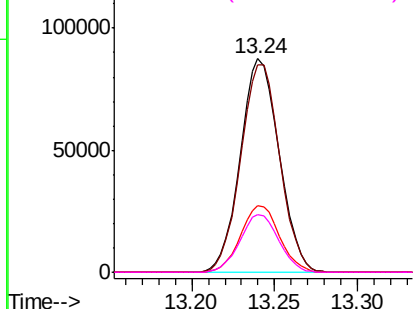
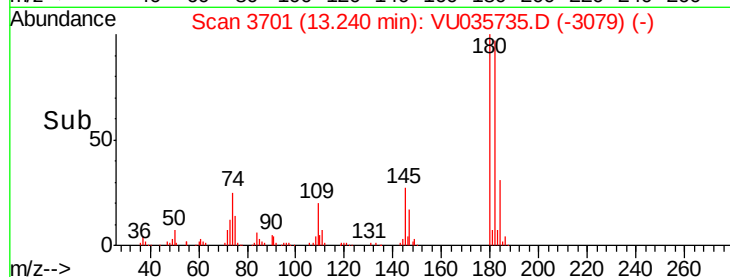
#67
 1,3,5-Trichlorobenzene
 Concen: 4.963 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180	Resp:	142546
Ion Ratio	Lower	Upper
180	100	
182	97.7	75.9 113.9
184	31.1	24.1 36.1
145	26.9	21.5 32.3

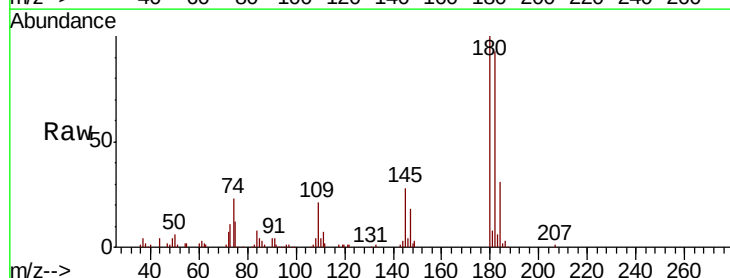


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

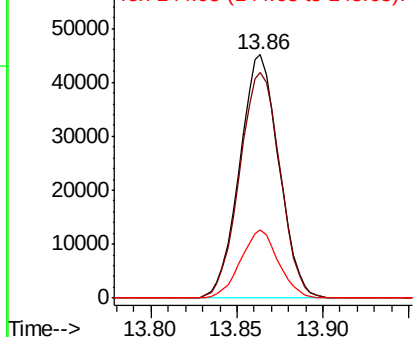
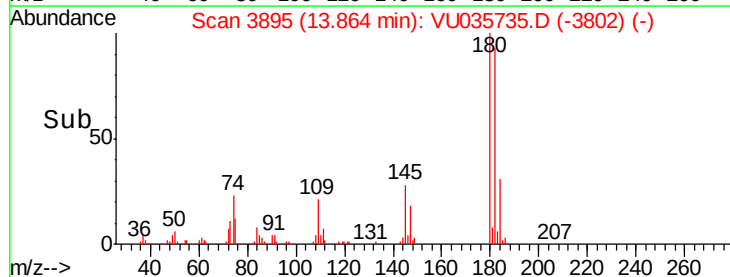


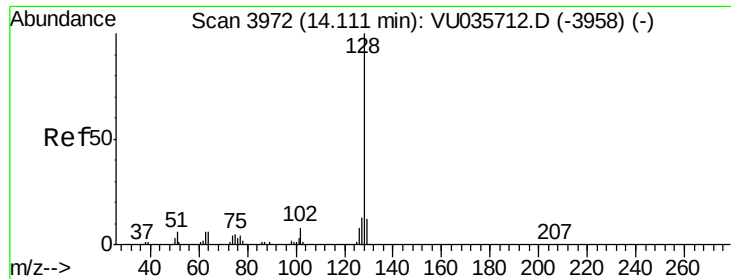
#68
 1,2,4-trichlorobenzene
 Concen: 4.141 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035735.D
 Acq: 18 Nov 2019 10:01

Tgt Ion:180	Resp:	71674
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.4 116.2
145	26.9	22.2 33.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.331 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

Instrument :

MSVOA_U

ClientSampled :

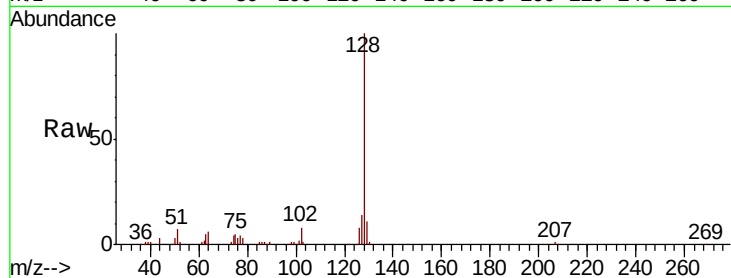
Tot Ion:128 Resp: 70990

Ion Ratio Lower Upper

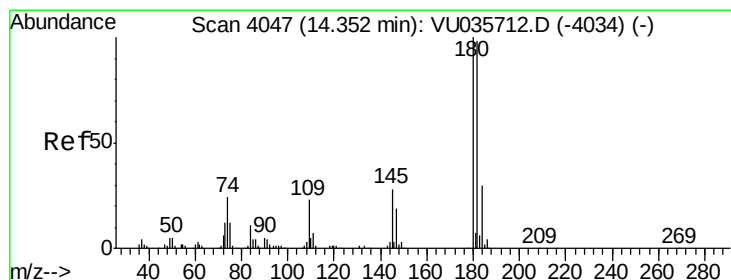
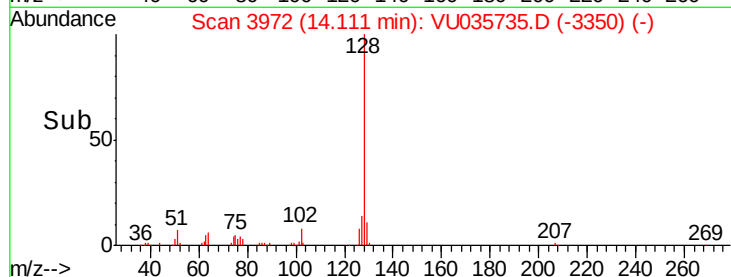
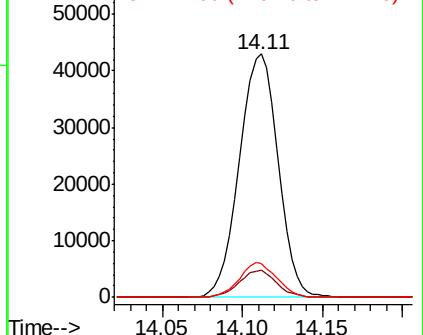
128 100

129 10.6 8.1 12.1

127 13.6 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.340 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035735.D

Acq: 18 Nov 2019 10:01

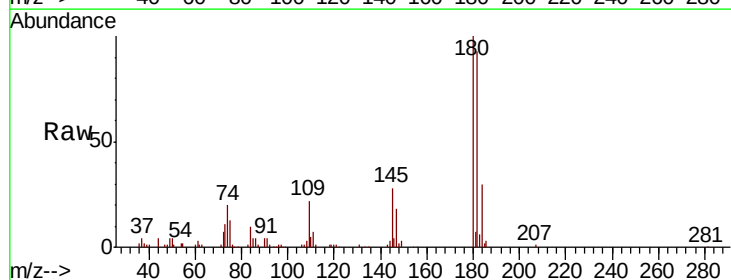
Tgt Ion:180 Resp: 72624

Ion Ratio Lower Upper

180 100

182 91.9 74.8 112.2

145 28.3 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

