

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035758.D
 Acq On : 18 Nov 2019 21:16
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 19 00:32:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	278060	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	301665	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	177933	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99875	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.93	69	94967	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.59	63	193080	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.70	46	301692	47.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.48%
24) Chloroform-d	5.11	84	213517	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.75	65	104359	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.77	84	409404	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.73	67	133134	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.93	98	373716	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.21	79	52422	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.68	63	249350	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	119684	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	154206	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	123757	4.136	ug/L 99
3) Chloromethane	1.53	50	139910	4.054	ug/L 99
5) Vinyl chloride	1.62	62	155724	4.405	ug/L # 78
6) Bromomethane	1.87	94	56532	2.805	ug/L 99
8) Chloroethane	1.95	64	93076	4.589	ug/L 97
9) Trichlorofluoromethane	2.16	101	197424	4.577	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	114300	4.486	ug/L 99
12) 1,1-Dichloroethene	2.61	96	116735	4.774	ug/L 84
13) Acetone	2.67	43	186662	40.970	ug/L 99
14) Carbon disulfide	2.82	76	353118	4.454	ug/L 99
15) Methyl Acetate	3.00	43	47617	4.499	ug/L 97
16) Methylene chloride	3.08	84	130069	4.487	ug/L 96
17) Methyl tert-butyl Ether	3.42	73	273954	4.780	ug/L # 89
18) trans-1,2-Dichloroethene	3.39	96	120663	4.792	ug/L 99
19) 1,1-Dichloroethane	3.92	63	219802	4.702	ug/L 99
21) 2-Butanone	4.78	43	298896	44.182	ug/L 100
22) cis-1,2-Dichloroethene	4.72	96	131917	4.745	ug/L 99

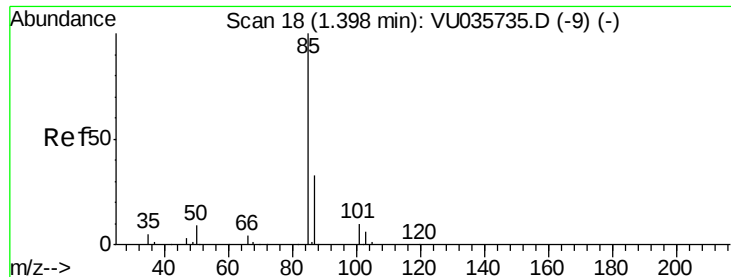
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60973	4.630	ug/L	96
25) Chloroform	5.14	83	246471	4.848	ug/L	99
27) 1,2-Dichloroethane	5.84	62	131249	4.639	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	185309	4.666	ug/L	99
30) Cyclohexane	5.43	56	176931	4.456	ug/L	99
31) Carbon tetrachloride	5.57	117	168564	4.710	ug/L	100
33) Benzene	5.82	78	498954	4.700	ug/L	100
34) Trichloroethene	6.58	95	125749	4.628	ug/L	100
35) Methylcyclohexane	6.80	83	175557	4.241	ug/L	99
37) 1,2-Dichloropropane	6.83	63	127687	4.565	ug/L	99
38) Bromodichloromethane	7.14	83	160502	4.742	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	175070	4.385	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	727012	45.199	ug/L	99
42) Toluene	8.00	91	539991	4.834	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	142725	4.471	ug/L	96
45) 1,1,2-Trichloroethane	8.44	97	94459	4.715	ug/L	96
47) Tetrachloroethene	8.58	164	109590	4.629	ug/L	98
48) 2-Hexanone	8.73	43	527767	46.168	ug/L	95
49) Dibromochloromethane	8.84	129	115971	4.693	ug/L	99
50) 1,2-Dibromoethane	8.96	107	89009	4.683	ug/L	99
51) Chlorobenzene	9.48	112	342882	4.675	ug/L	99
52) Ethylbenzene	9.60	91	554181	4.714	ug/L	98
53) m,p-Xylene	9.72	106	222220	4.993	ug/L	100
54) o-Xylene	10.13	106	211243	4.911	ug/L	96
55) Styrene	10.14	104	347559	4.887	ug/L	99
56) Isopropylbenzene	10.51	105	538880	4.747	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	120343	4.598	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	84709	4.579	ug/L	98
61) Bromoform	10.32	173	71188	4.402	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	276437	4.621	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	268384	4.659	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	262508	4.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17057	4.774	ug/L	87
67) 1,3,5-Trichlorobenzene	13.24	180	196955	5.108	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	128293	5.521	ug/L	99
69) Naphthalene	14.11	128	246925	8.631	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	127856	5.691	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.136 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

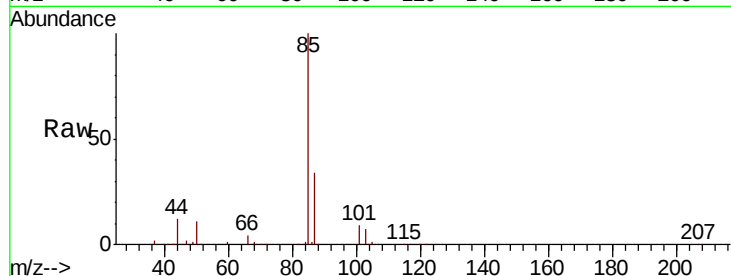
ClientSampled :

Tot Ion: 85 Resp: 123757

Ion Ratio Lower Upper

85 100

87 33.9 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU035735.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035735.D (-9) (-)

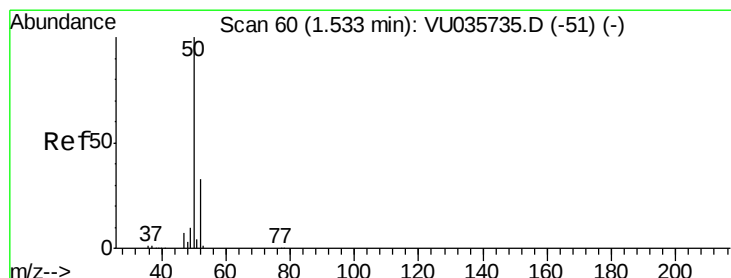
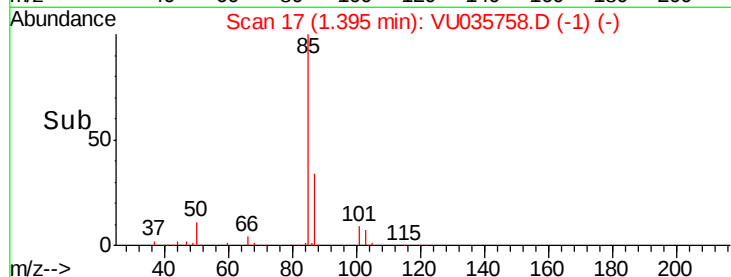
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.054 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035758.D

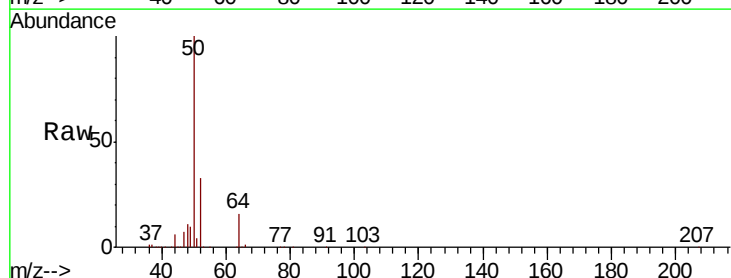
Acq: 18 Nov 2019 21:16

Tgt Ion: 50 Resp: 139910

Ion Ratio Lower Upper

50 100

52 33.0 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035735.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035735.D (-51) (-)

1.53

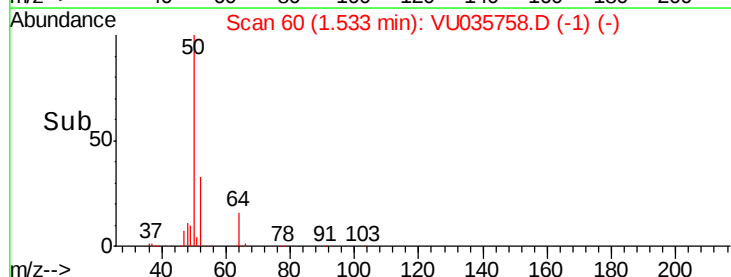
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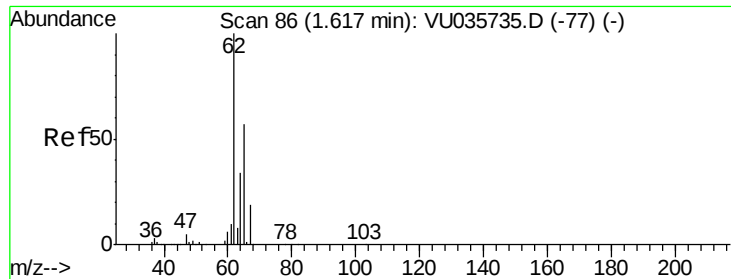
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.405 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

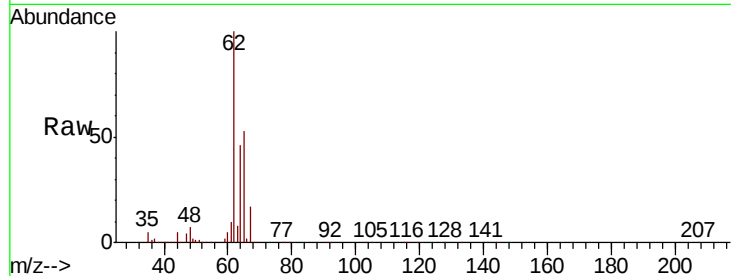
ClientSampleId :

Tot Ion: 62 Resp: 155724

Ion Ratio Lower Upper

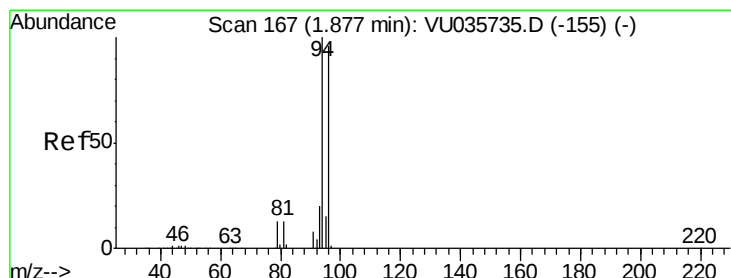
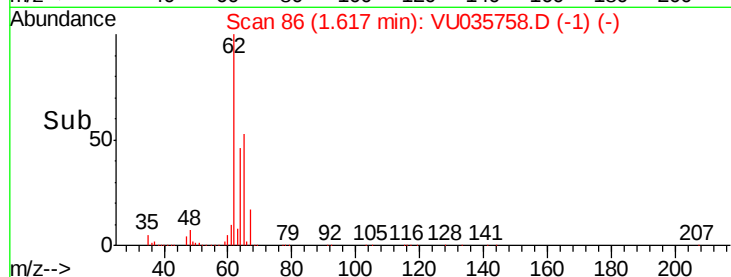
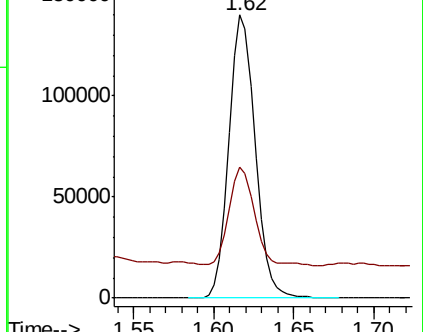
62 100

64 46.2 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VU035735.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035735.D (-77) (-)



#6

Bromomethane

Concen: 2.805 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU035758.D

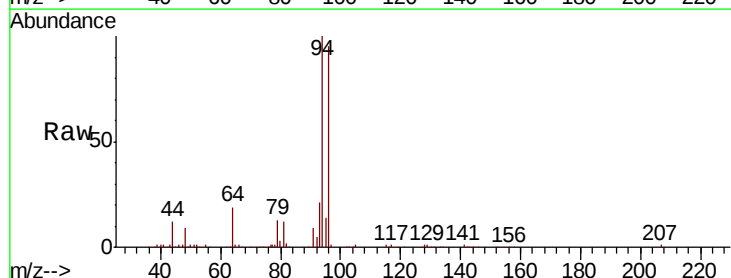
Acq: 18 Nov 2019 21:16

Tgt Ion: 94 Resp: 56532

Ion Ratio Lower Upper

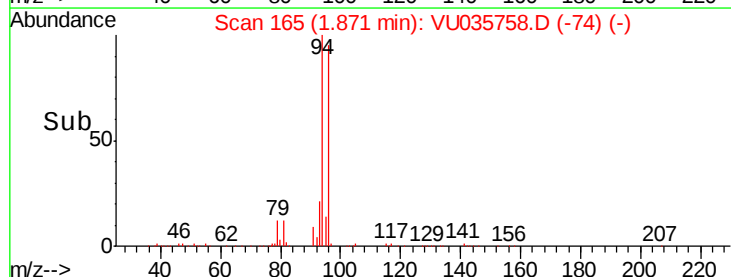
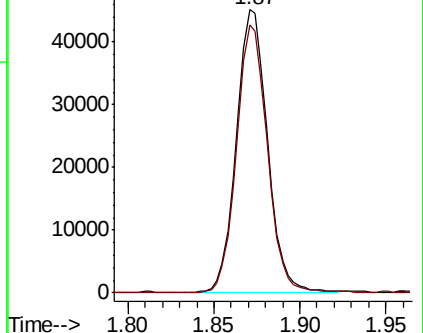
94 100

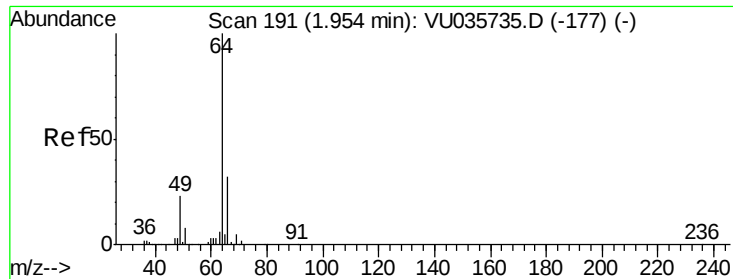
96 94.8 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU035735.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035735.D (-155) (-)

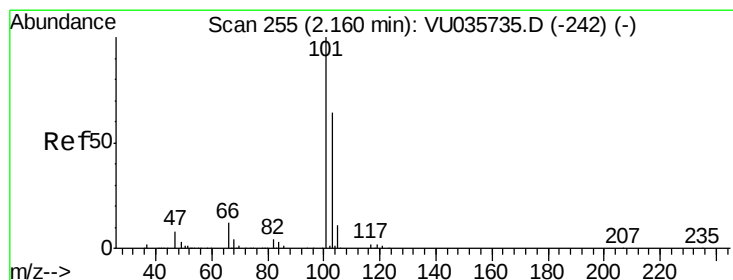
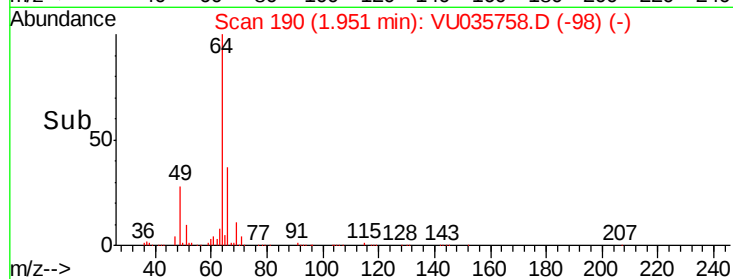
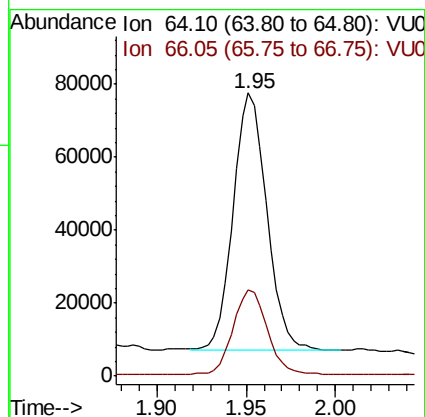
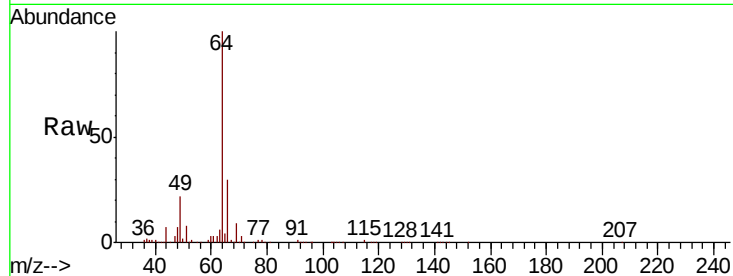




#8
Chloroethane
Concen: 4.589 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

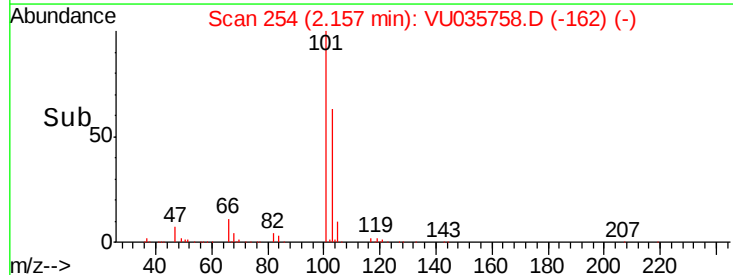
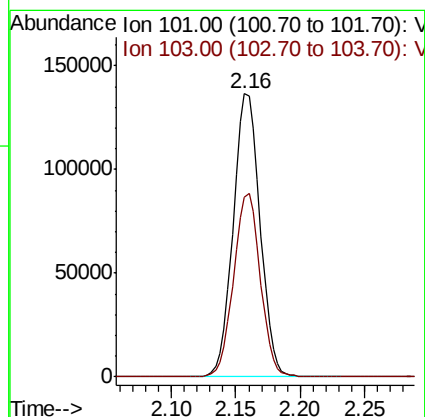
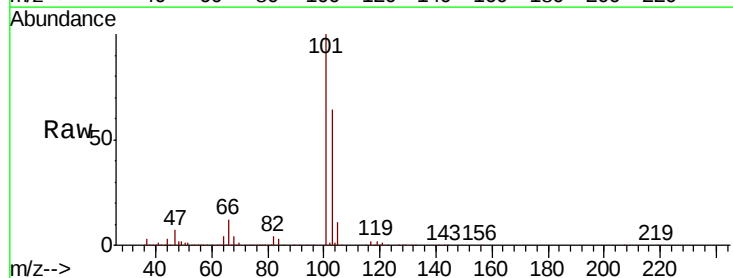
Instrument :
MSVOA_U
ClientSampleId :

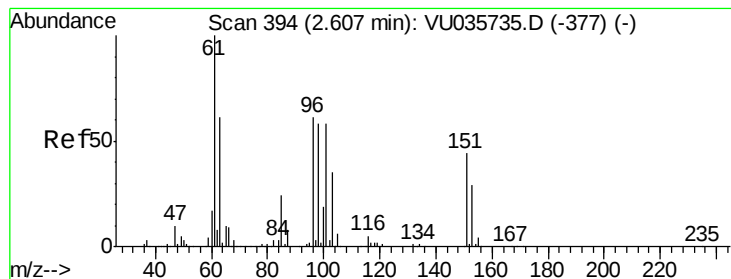
Tot Ion: 64 Resp: 93076
Ion Ratio Lower Upper
64 100
66 30.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.577 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion: 101 Resp: 197424
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 4.486 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

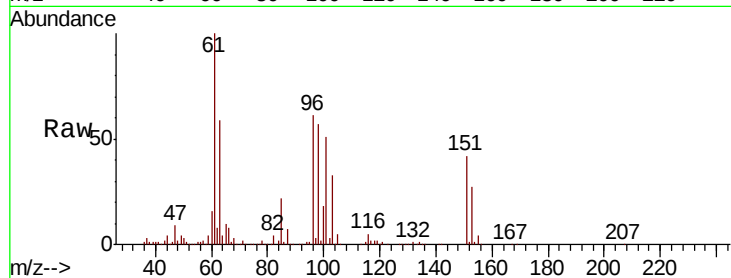
Tot Ion:101 Resp: 114300

Ion Ratio Lower Upper

101 100

85 41.9 35.0 52.6

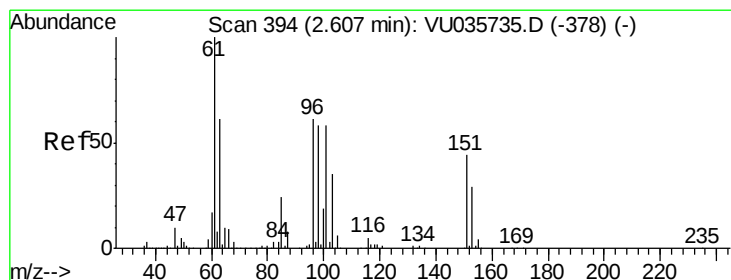
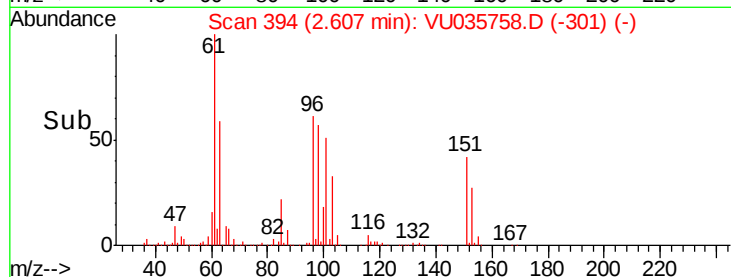
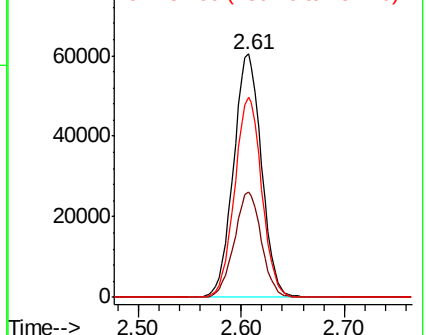
151 79.4 64.0 96.0



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: 4.774 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

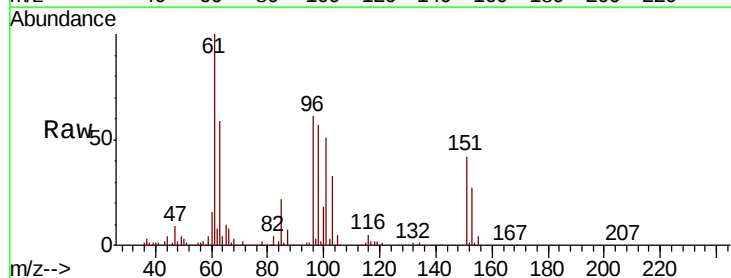
Tgt Ion: 96 Resp: 116735

Ion Ratio Lower Upper

96 100

61 163.6 123.1 228.5

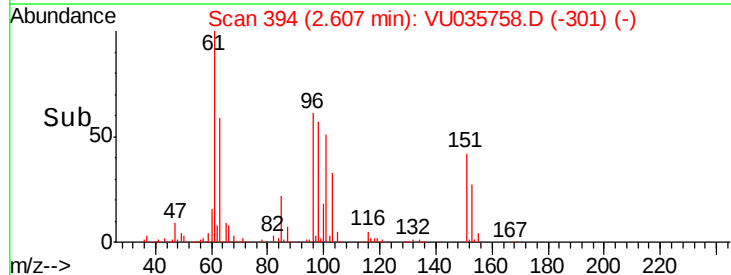
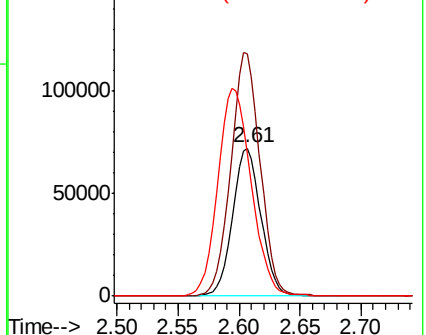
63 96.3 87.8 163.0

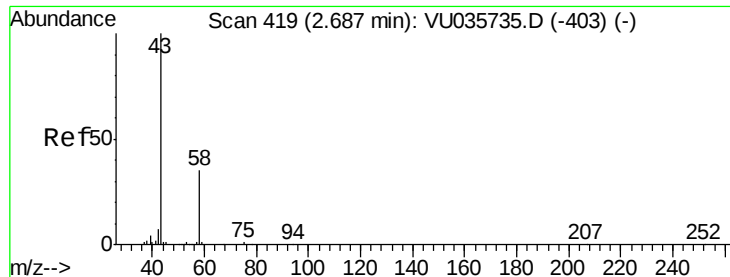


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.970 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

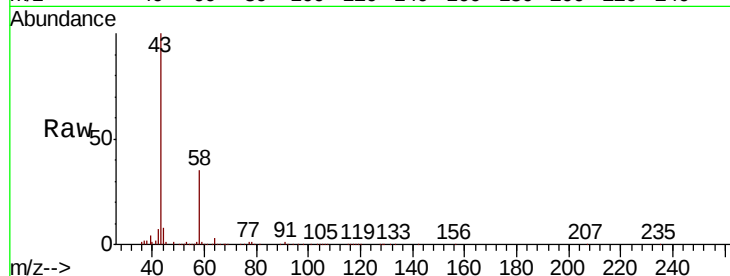
ClientSampled :

Tot Ion: 43 Resp: 186662

Ion Ratio Lower Upper

43 100

58 35.8 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035735.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035735.D (-403) (-)

2.67

120000

100000

80000

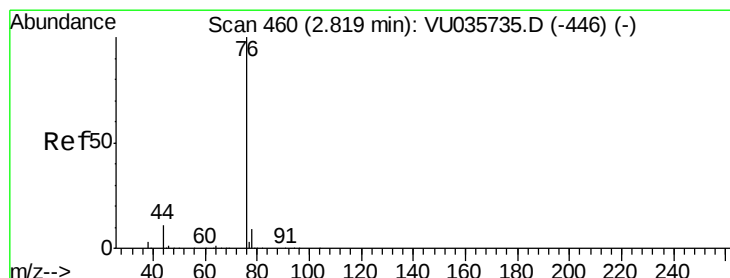
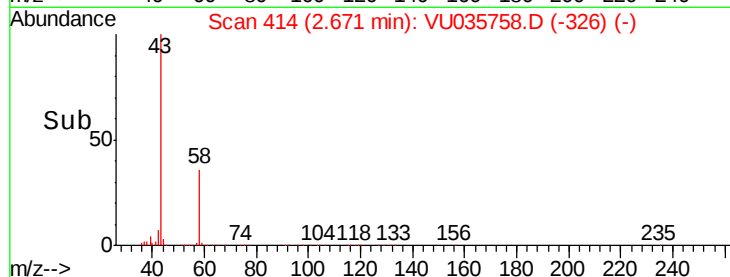
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.454 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035758.D

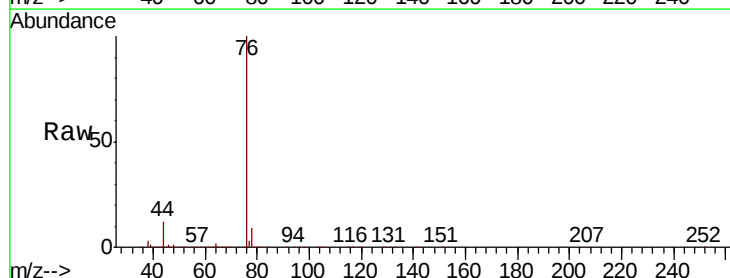
Acq: 18 Nov 2019 21:16

Tgt Ion: 76 Resp: 353118

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035735.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035735.D (-446) (-)

2.82

200000

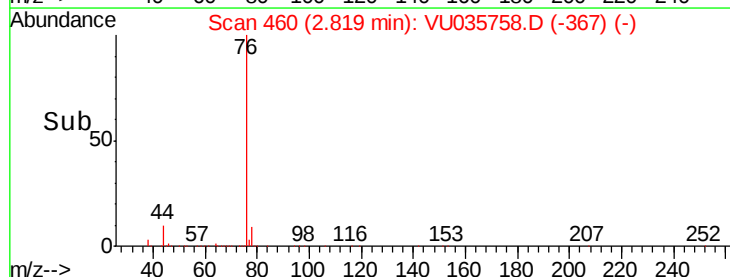
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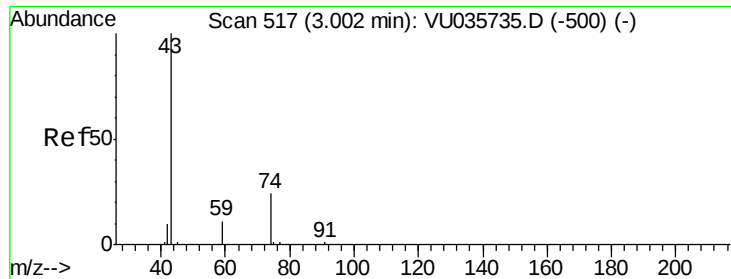
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50000

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Time-->

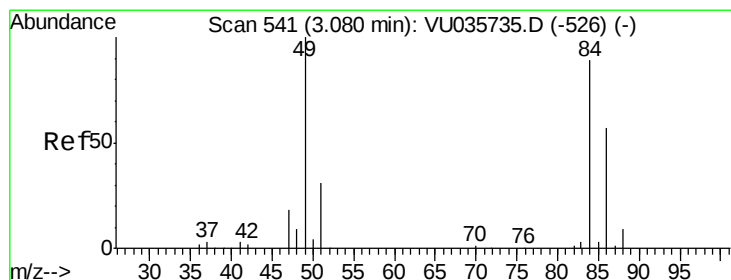
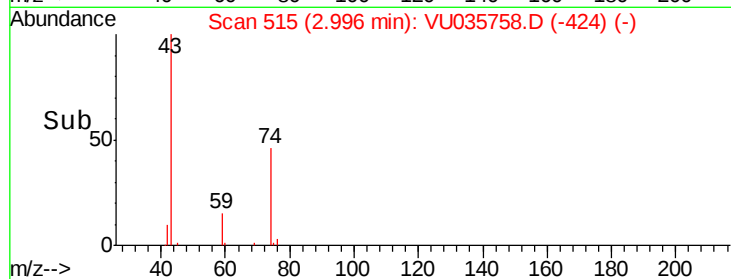
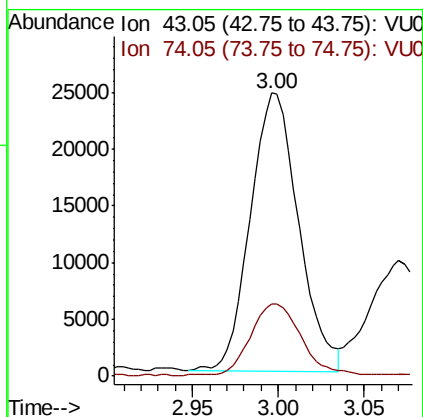
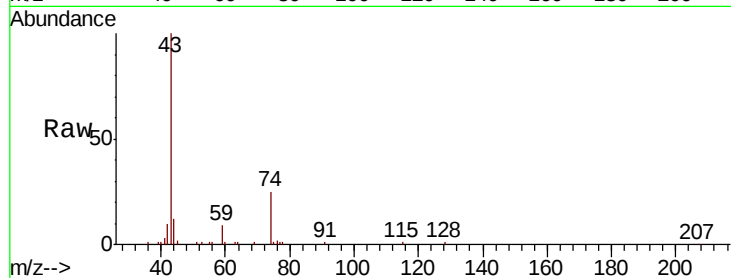




#15
Methvl Acetate
Concen: 4.499 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.01 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

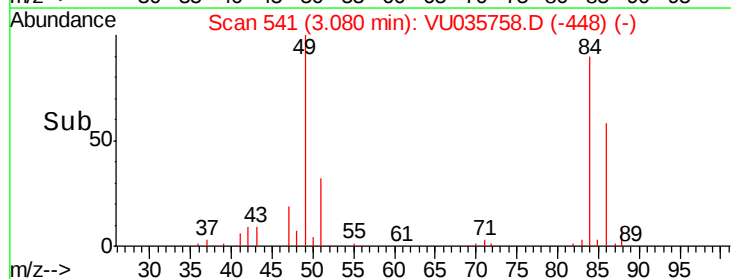
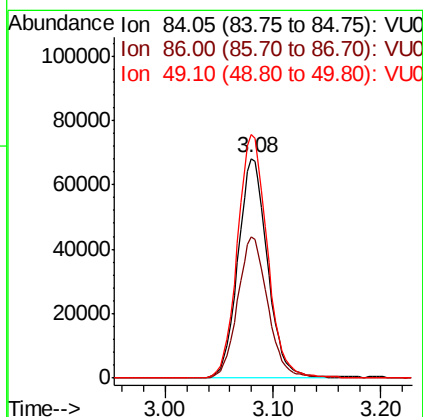
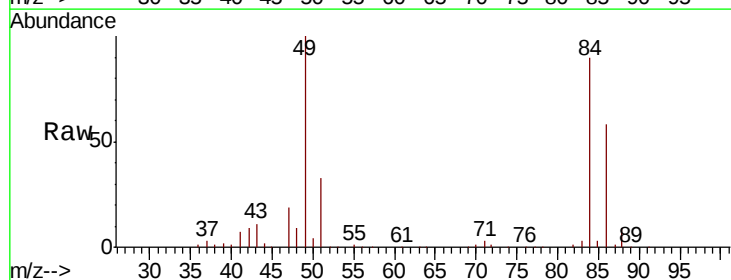
Instrument :
MSVOA_U
ClientSampled :

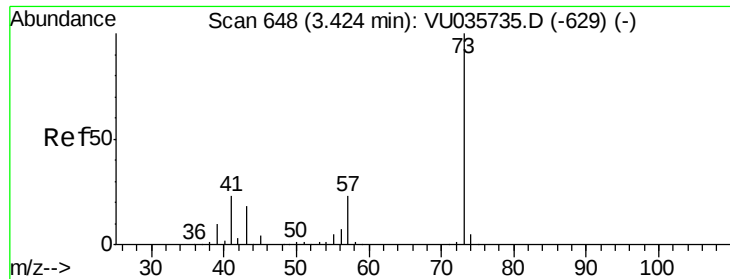
Tot Ion: 43 Resp: 47617
Ion Ratio Lower Upper
43 100
74 27.9 21.0 31.6



#16
Methylene chloride
Concen: 4.487 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion: 84 Resp: 130069
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.2
49 111.0 81.9 152.1

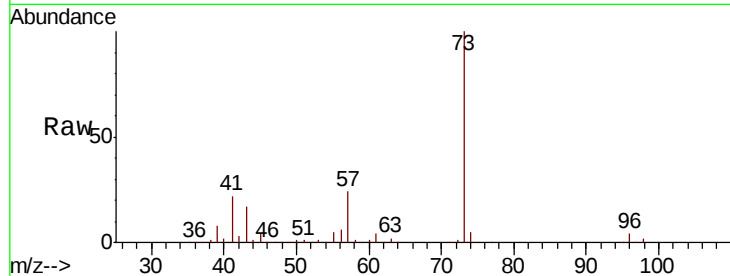




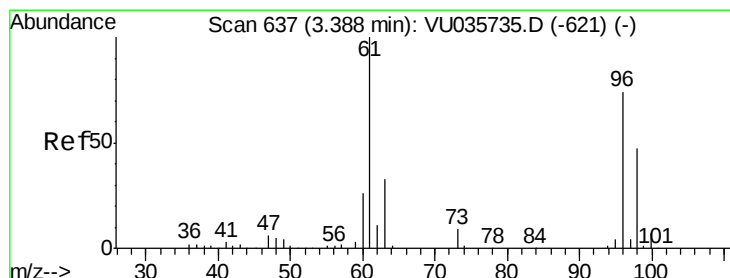
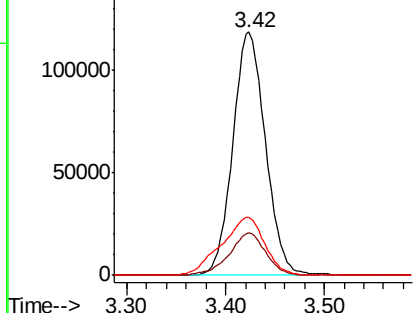
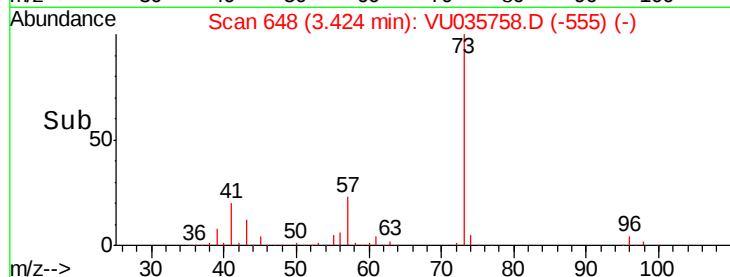
#17
Methvl tert-butvl Ether
Concen: 4.780 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 273954
Ion Ratio Lower Upper
73 100
43 19.2 14.4 21.6
57 31.6 18.2 27.2#

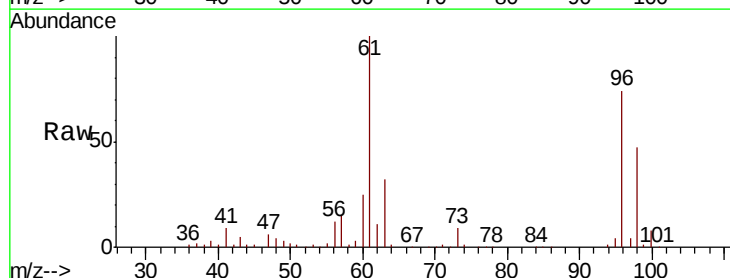


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

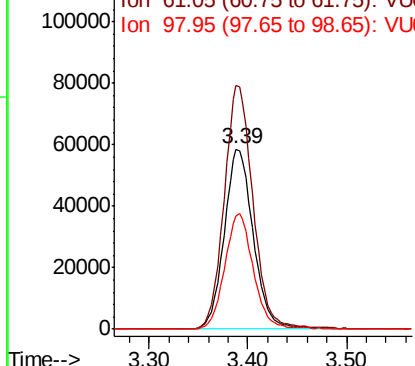
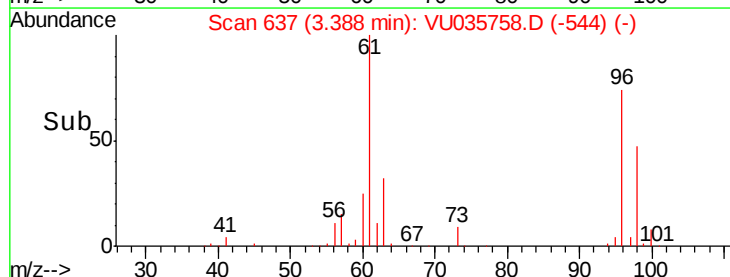


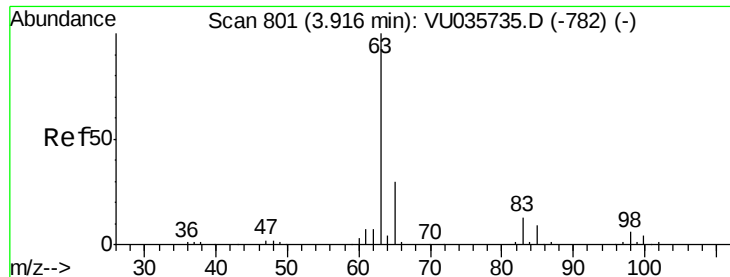
#18
trans-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion: 96 Resp: 120663
Ion Ratio Lower Upper
96 100
61 135.3 95.0 176.4
98 63.0 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

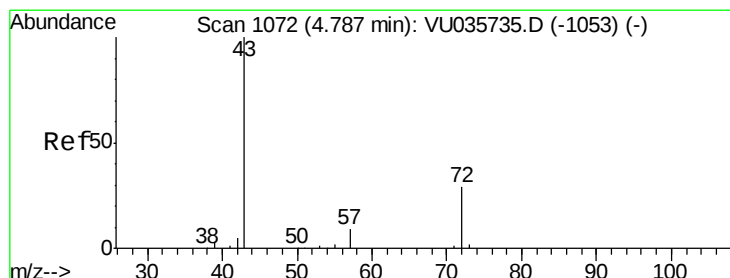
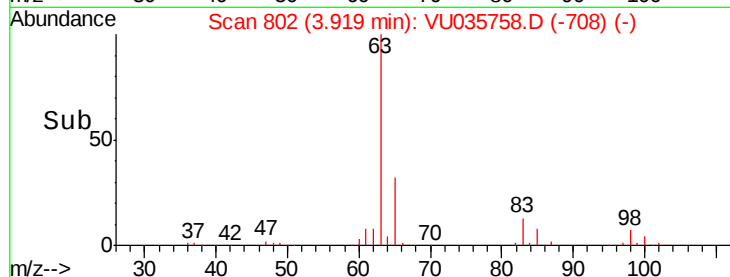
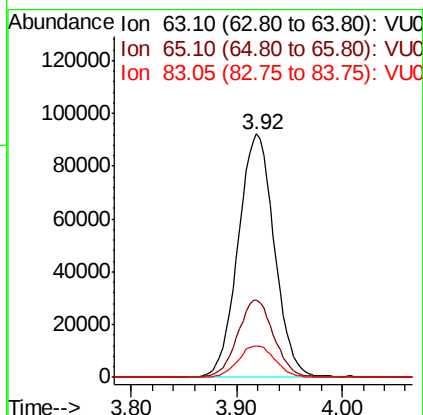
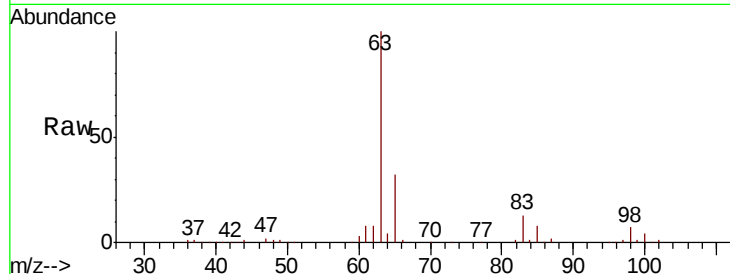




#19
 1,1-Dichloroethane
 Concen: 4.702 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

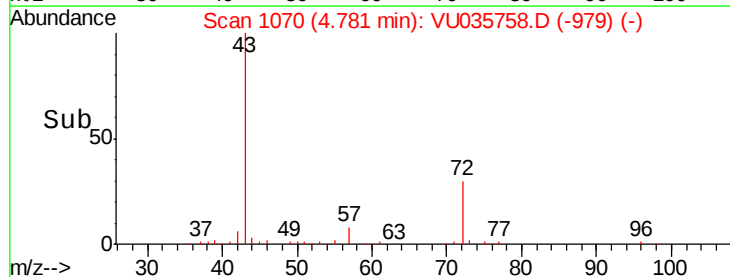
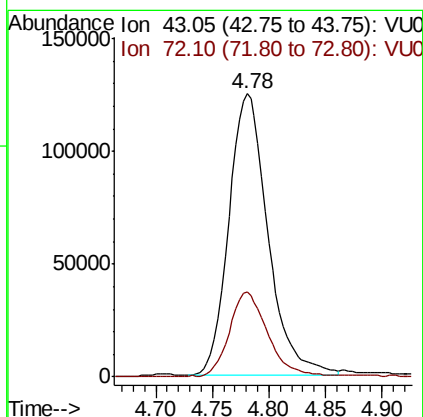
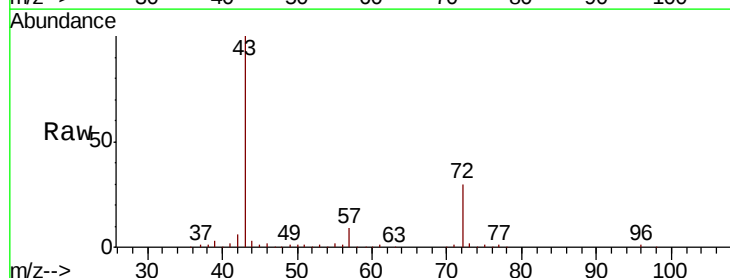
Instrument :
 MSVOA_U
 ClientSampleId :

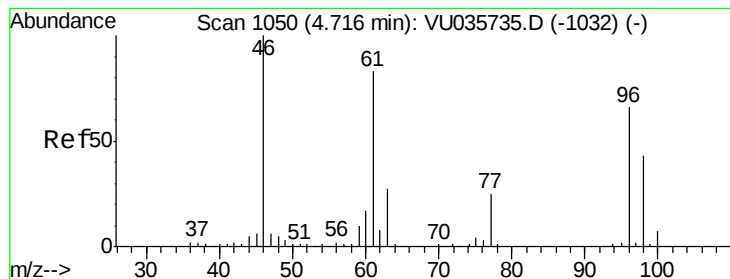
Tot Ion: 63 Resp: 219802
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 40.8
 83 13.0 9.3 17.3



#21
 2-Butanone
 Concen: 44.182 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion: 43 Resp: 298896
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 4.745 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :

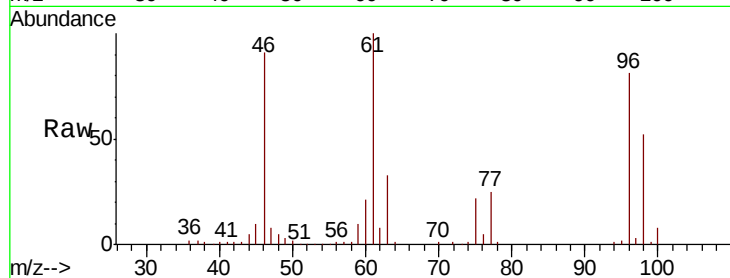
Tot Ion: 96 Resp: 131917

Ion Ratio Lower Upper

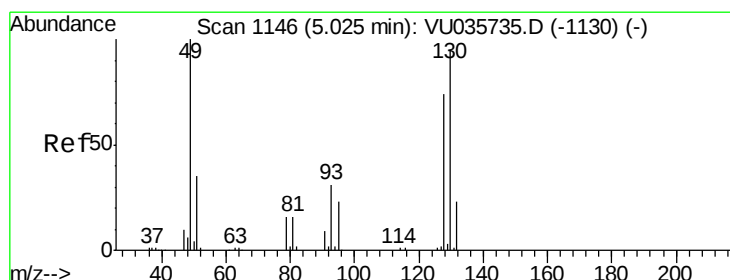
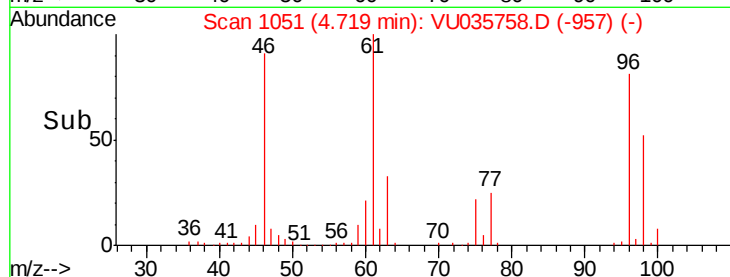
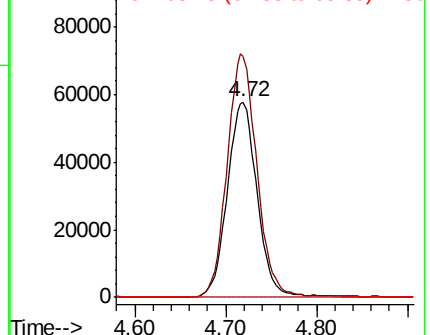
96 100

61 123.6 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: 4.630 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Tgt Ion:128 Resp: 60973

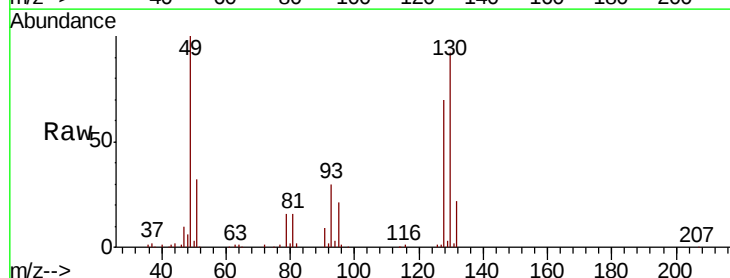
Ion Ratio Lower Upper

128 100

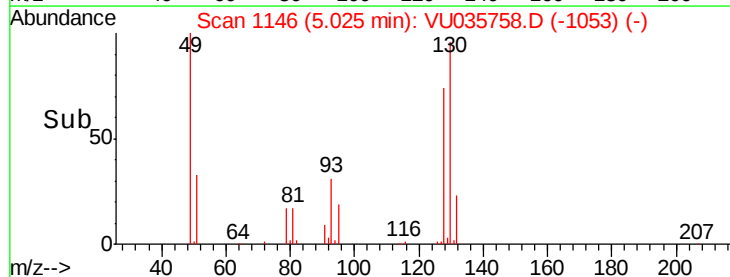
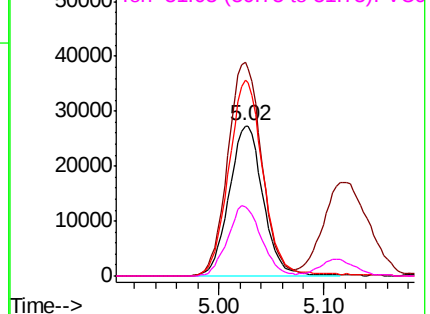
49 142.6 104.1 193.3

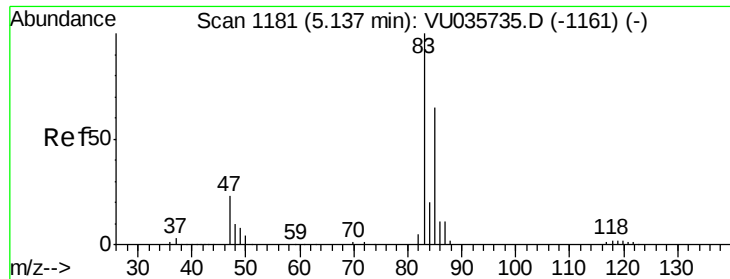
130 130.9 88.4 164.2

51 46.3 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

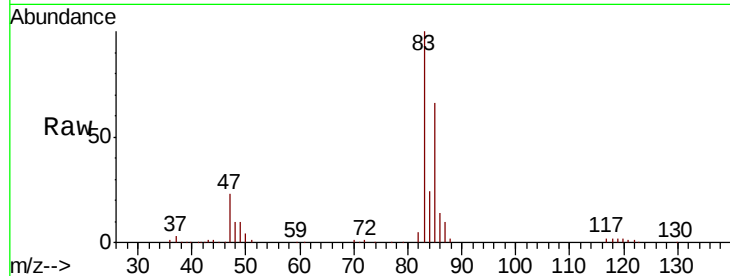




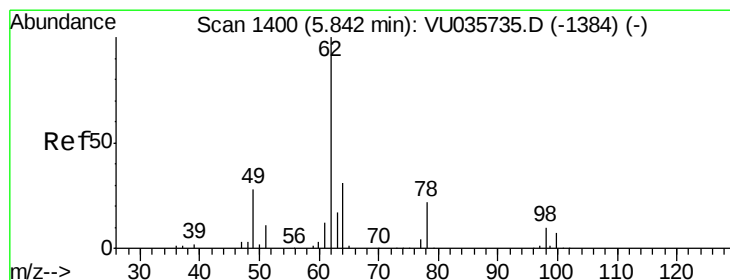
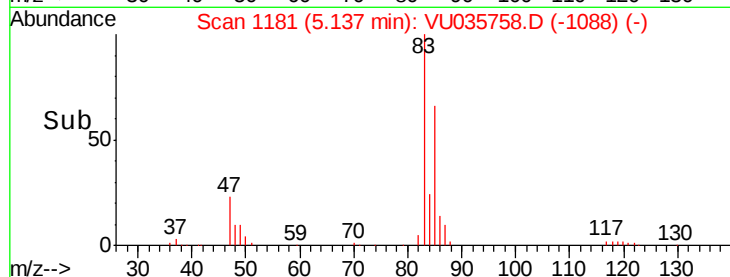
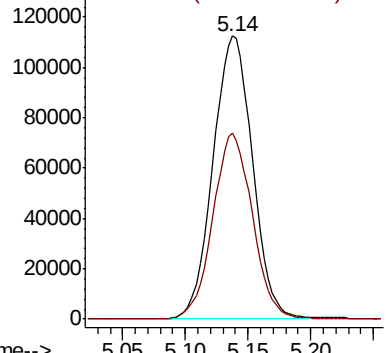
#25
Chloroform
Concen: 4.848 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 246471
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.2

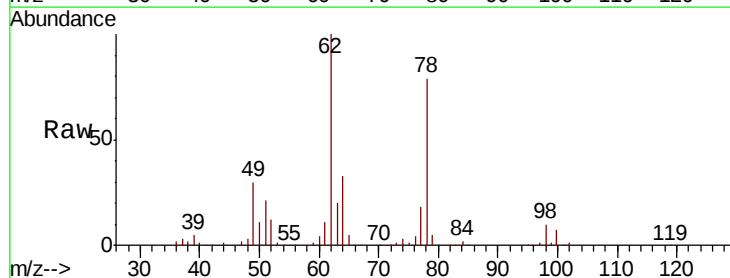


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

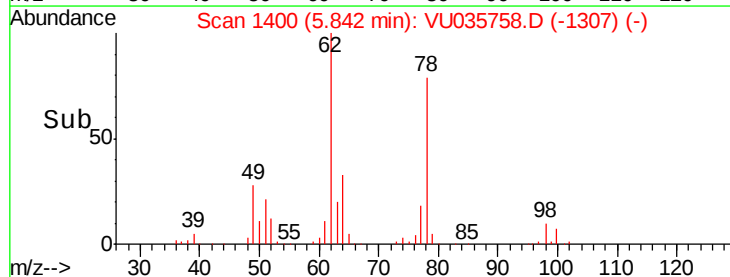
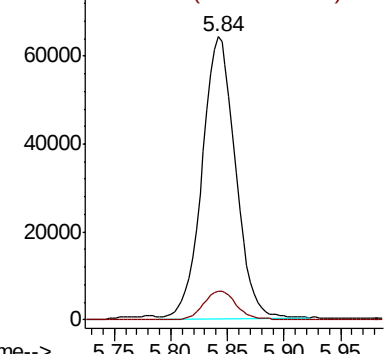


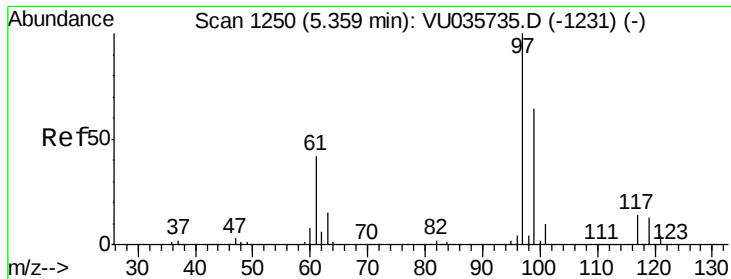
#27
1,2-Dichloroethane
Concen: 4.639 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion: 62 Resp: 131249
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

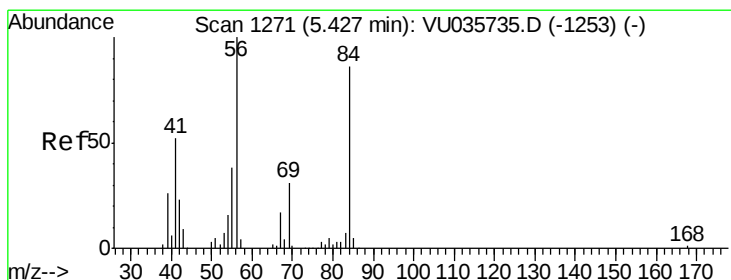
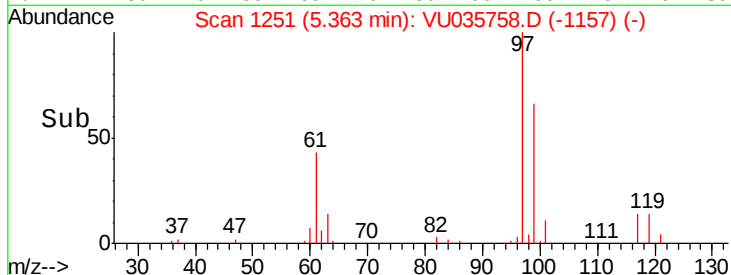
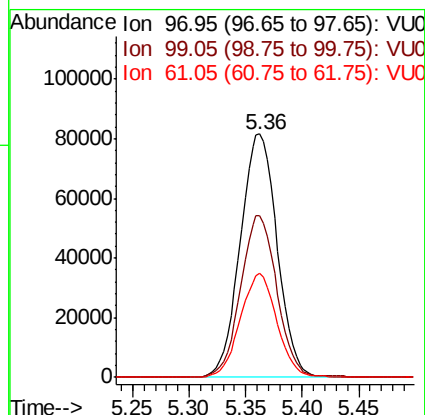
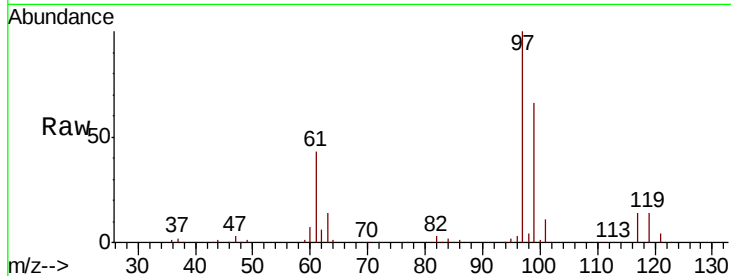




#29
 1,1,1-Trichloroethane
 Concen: 4.666 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

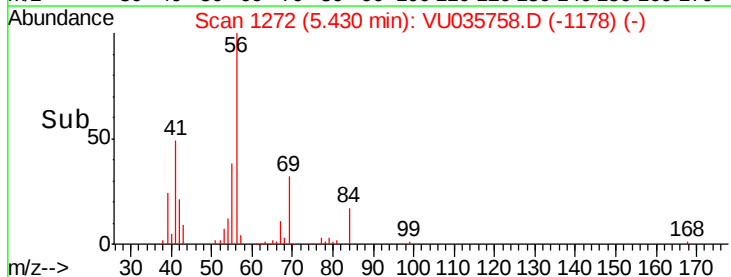
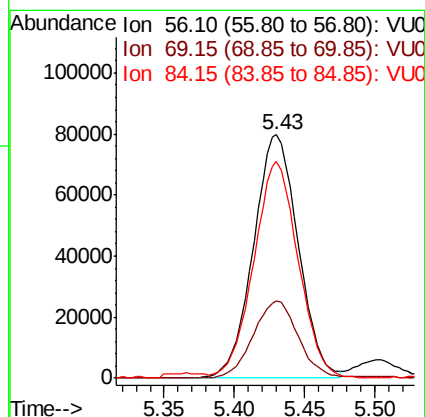
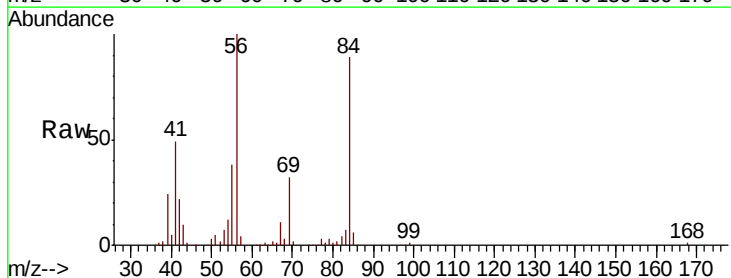
Instrument :
 MSVOA_U
 ClientSampled :

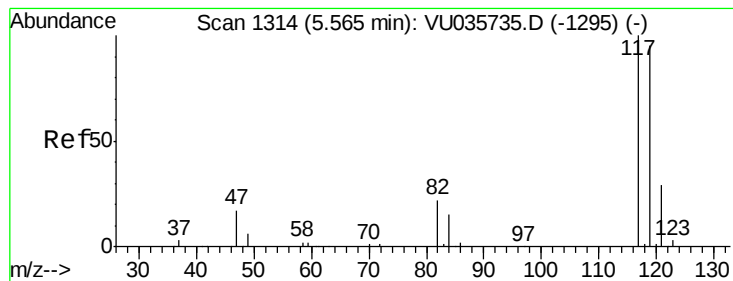
Tot Ion: 97 Resp: 185309
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 42.3 34.4 51.6



#30
 Cyclohexane
 Concen: 4.456 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion: 56 Resp: 176931
 Ion Ratio Lower Upper
 56 100
 69 32.0 24.6 37.0
 84 88.0 69.7 104.5





#31

Carbon tetrachloride

Concen: 4.710 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

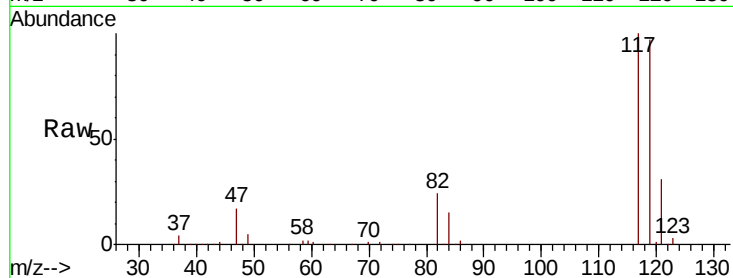
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 168564

Ion Ratio Lower Upper

117 100

119 94.1 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

80000

60000

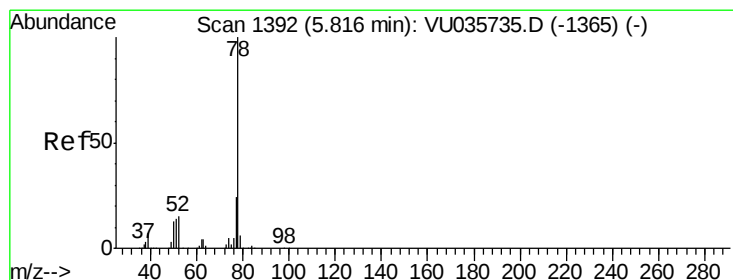
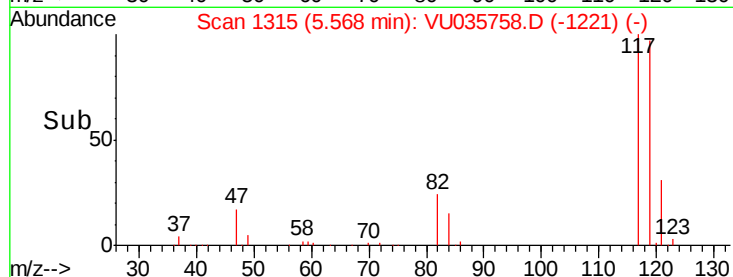
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.700 ug/L

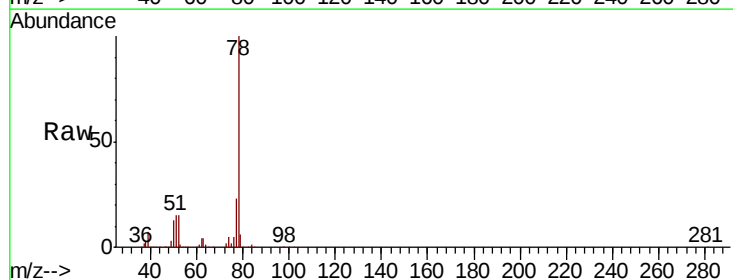
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Tgt Ion: 78 Resp: 498954



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

250000

200000

150000

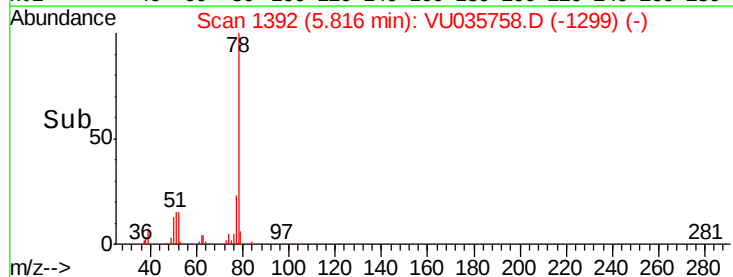
100000

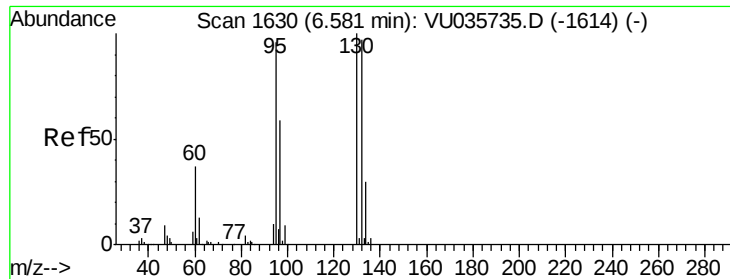
50000

0

Time-->

5.70 5.80 5.90

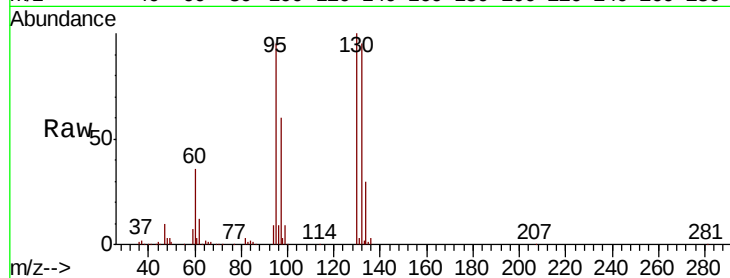




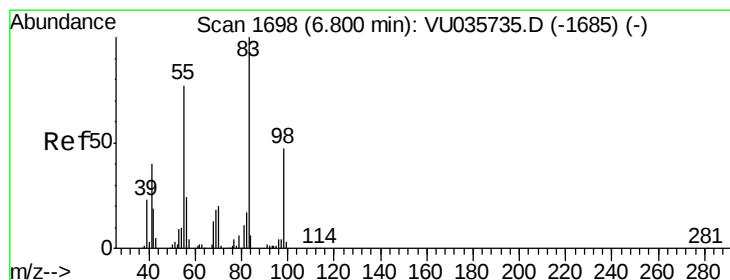
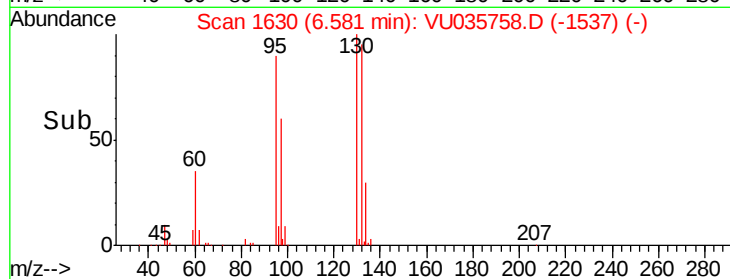
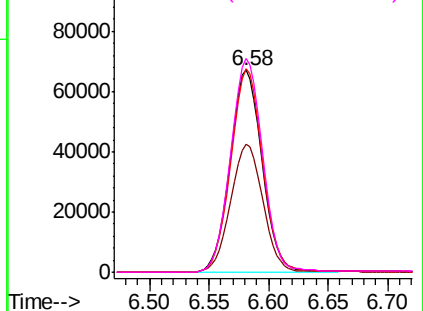
#34
 Trichloroethene
 Concen: 4.628 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 125749
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.5 82.7
 132 100.5 69.9 129.7
 130 105.7 74.1 137.7

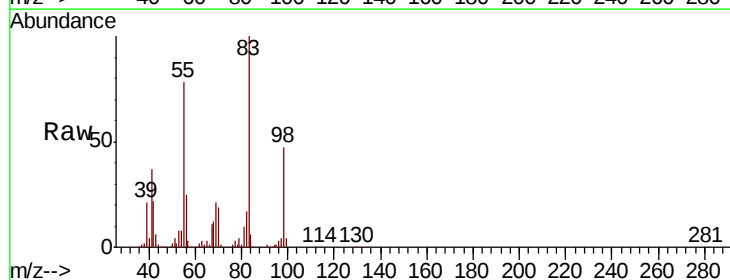


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

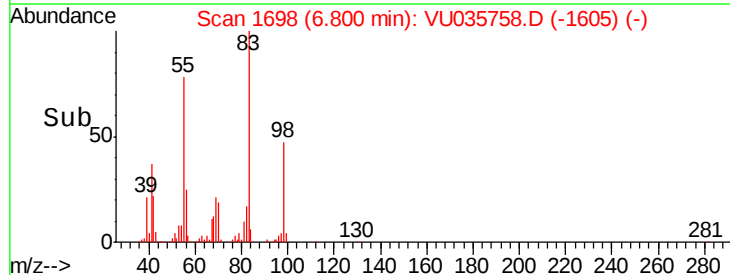
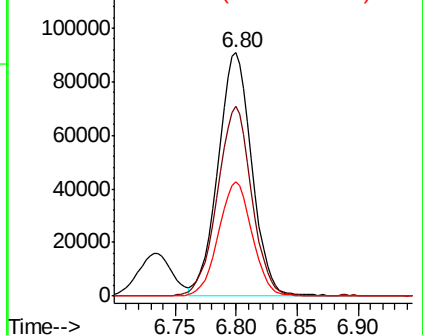


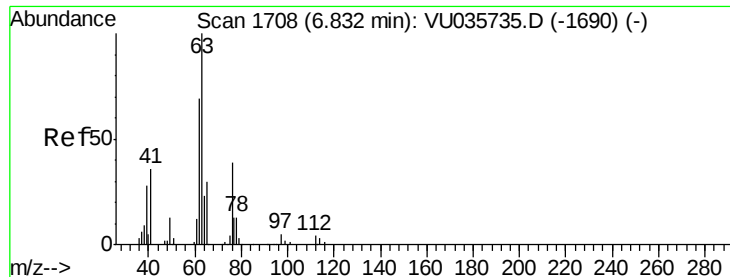
#35
 Methylcyclohexane
 Concen: 4.241 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion: 83 Resp: 175557
 Ion Ratio Lower Upper
 83 100
 55 79.0 62.6 93.8
 98 47.0 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: 4.565 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

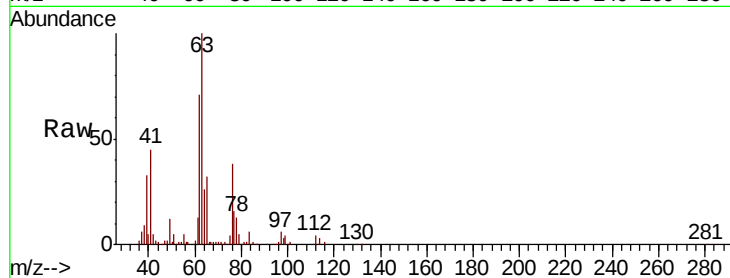
ClientSampleId :

Tot Ion: 63 Resp: 127687

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU035735.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035735.D (-1690) (-)

6.83

60000

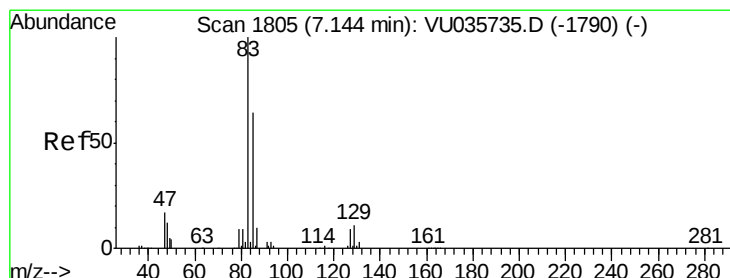
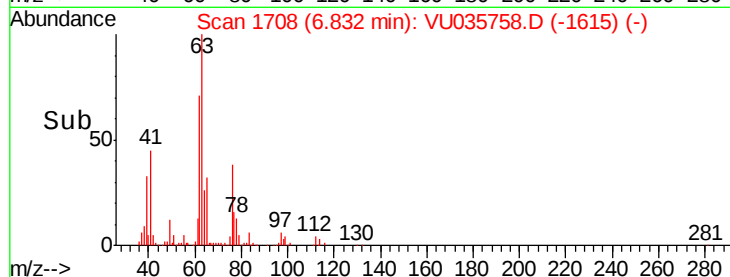
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.742 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

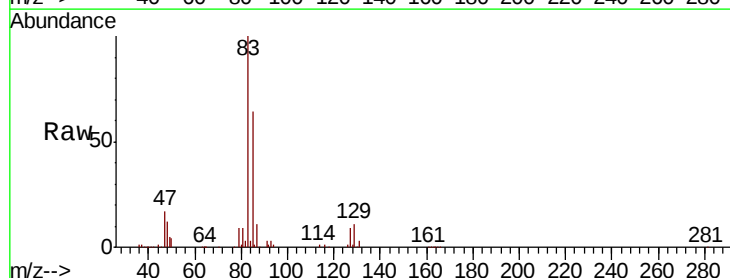
Tgt Ion: 83 Resp: 160502

Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9

127 8.7 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU035735.D (-1790) (-)

Ion 85.00 (84.70 to 85.70): VU035735.D (-1790) (-)

Ion 126.90 (126.60 to 127.60): VU035735.D (-1790) (-)

7.14

120000

100000

80000

60000

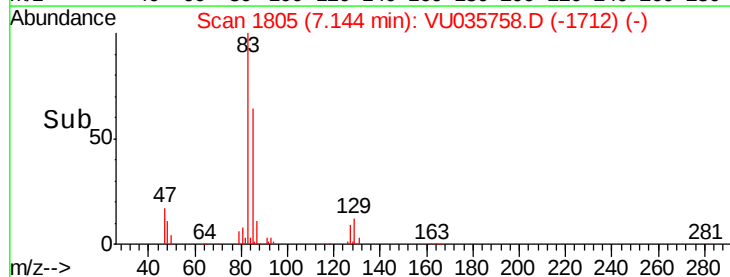
40000

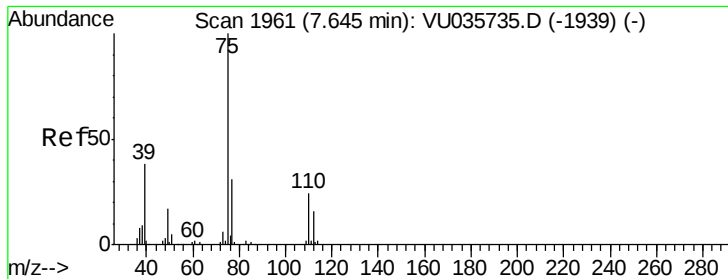
20000

0

7.10 7.20 7.30

Time-->



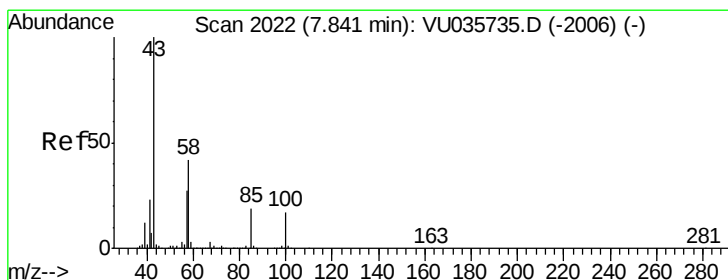
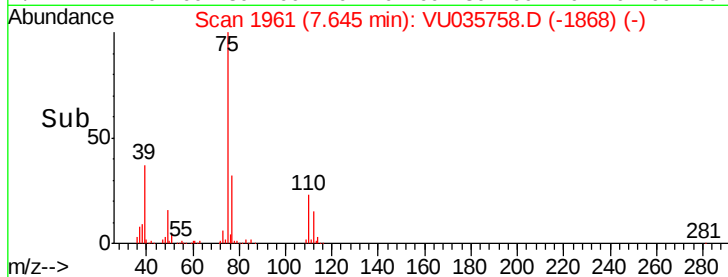
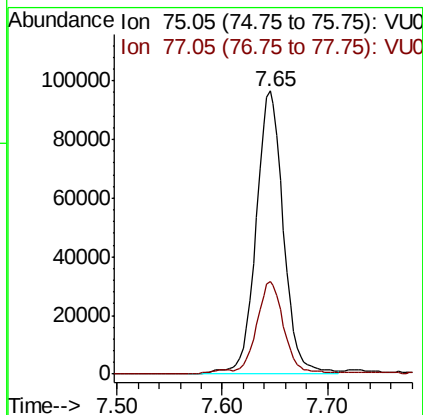
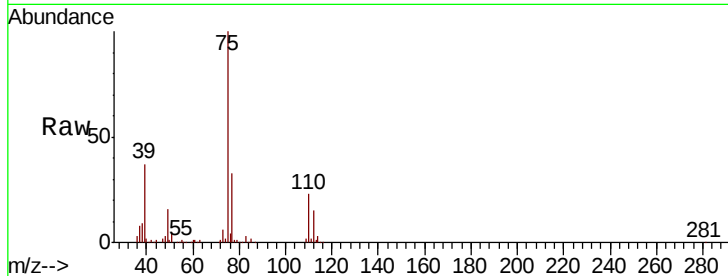


#39

cis-1,3-Dichloropropene
 Concen: 4.385 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Instrument :
 MSVOA_U
 ClientSampled :

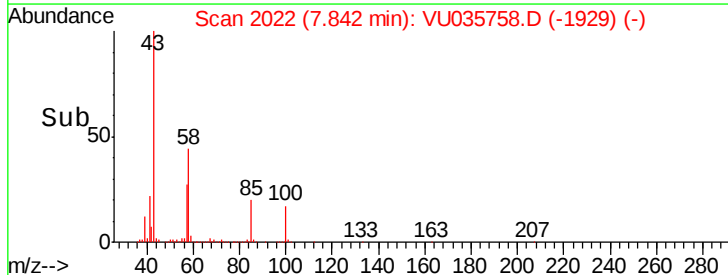
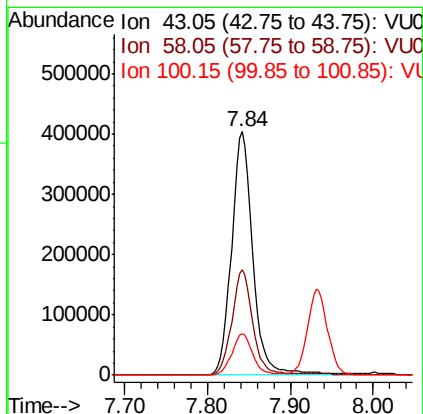
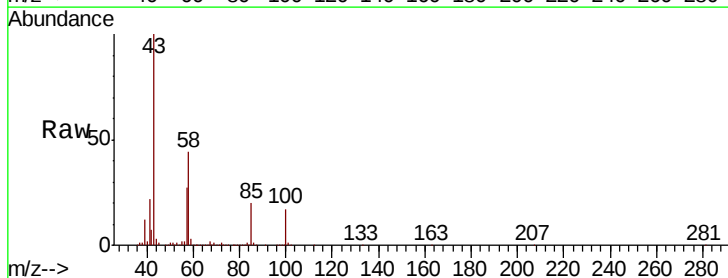
Tot Ion: 75 Resp: 175070
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7

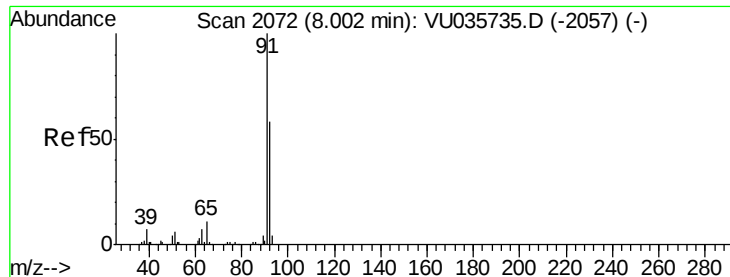


#40

4-Methyl-2-pentanone
 Concen: 45.199 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion: 43 Resp: 727012
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2
 100 16.8 12.7 19.1





#42

Toluene

Concen: 4.834 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

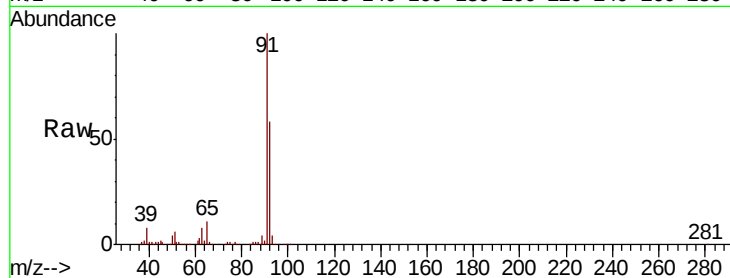
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 539991

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU035735.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035735.D (-2057) (-)

8.00

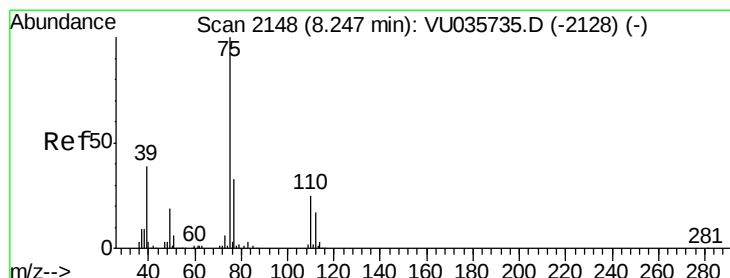
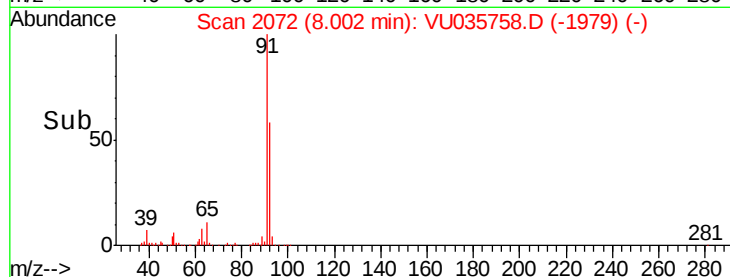
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.471 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035758.D

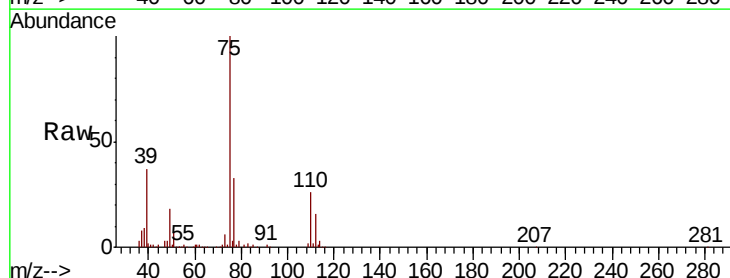
Acq: 18 Nov 2019 21:16

Tgt Ion: 75 Resp: 142725

Ion Ratio Lower Upper

75 100

77 33.0 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU035735.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035735.D (-2128) (-)

8.25

80000

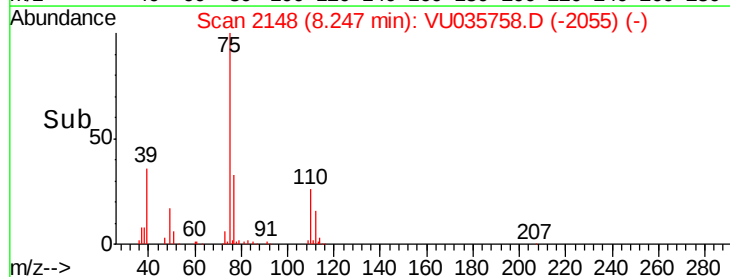
60000

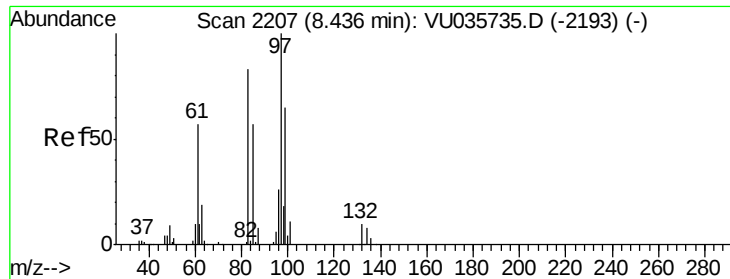
40000

20000

0

Time-->

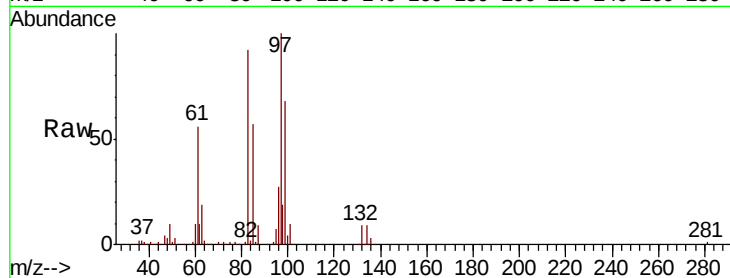




#45
 1,1,2-Trichloroethane
 Concen: 4.715 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	94459
Ion	Ratio	Lower	Upper
97	100		
99	67.7	43.8	81.4
83	91.8	61.6	114.4
85	57.2	40.0	74.4



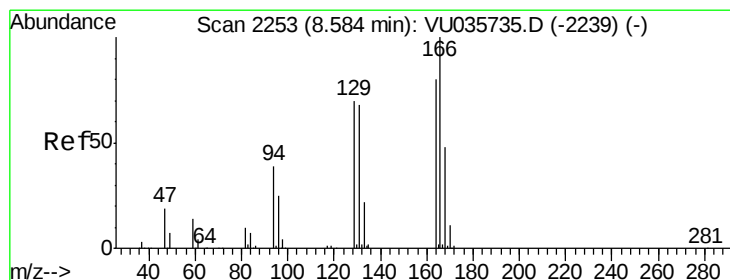
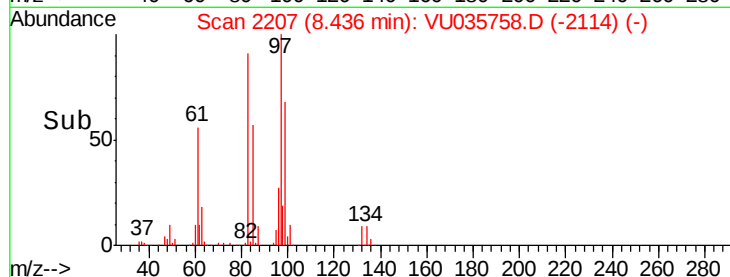
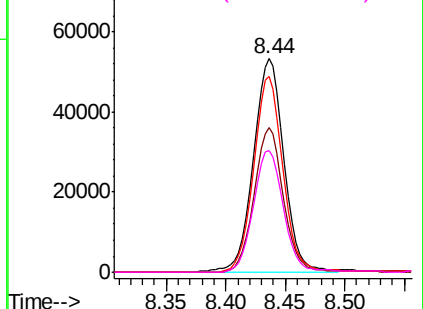
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

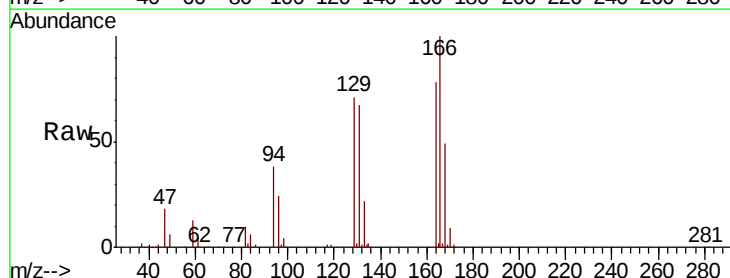
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.629 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion:	164	Resp:	109590
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.7	120.1
131	86.9	61.6	114.4
166	128.8	91.8	170.4



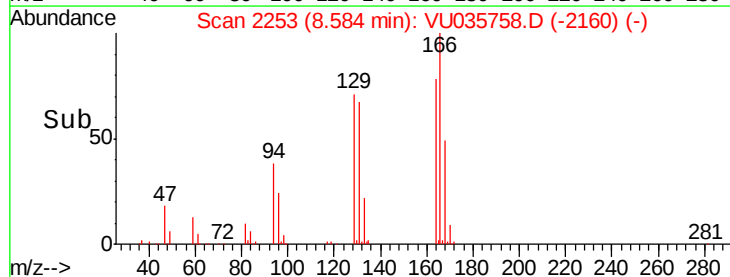
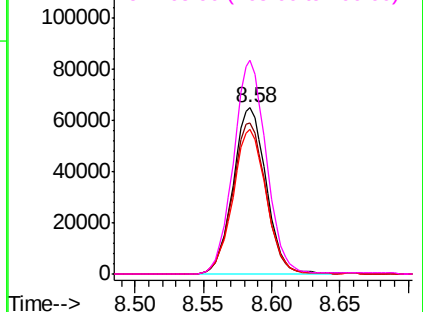
Abundance

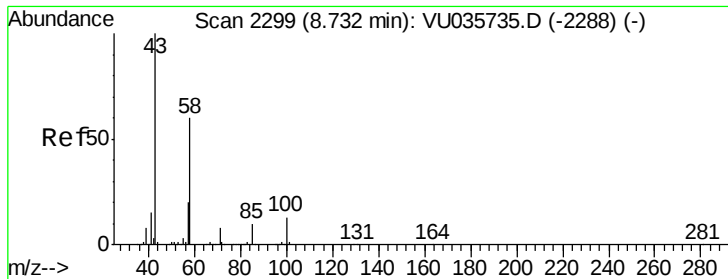
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

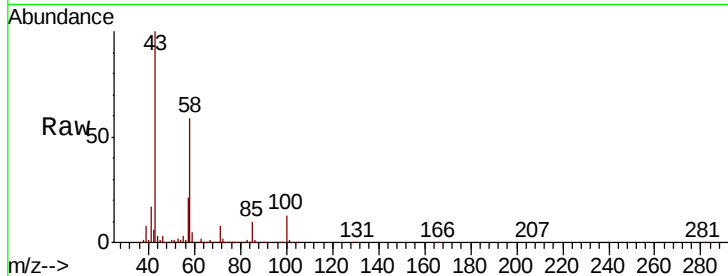




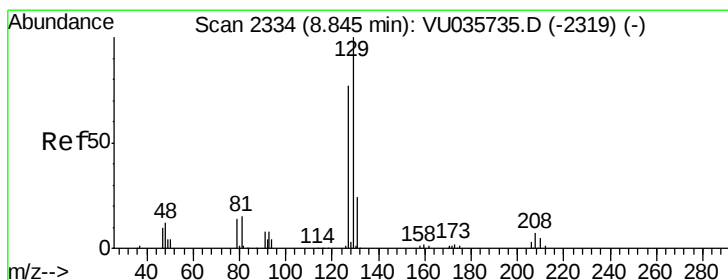
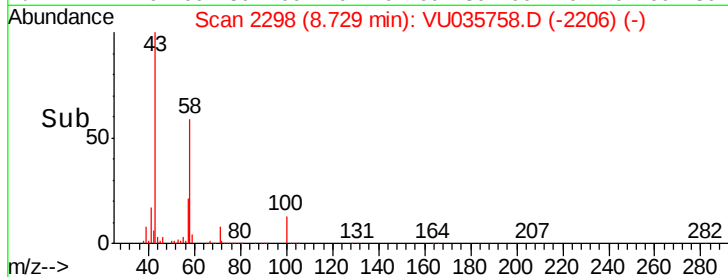
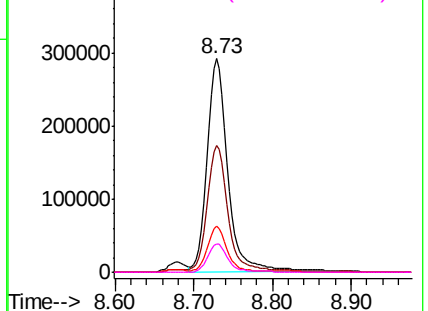
#48
2-Hexanone
Concen: 46.168 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	527767
Ion	Ratio	Lower	Upper
43	100		
58	60.1	44.1	66.1
57	20.3	15.1	22.7
100	12.8	9.4	14.2

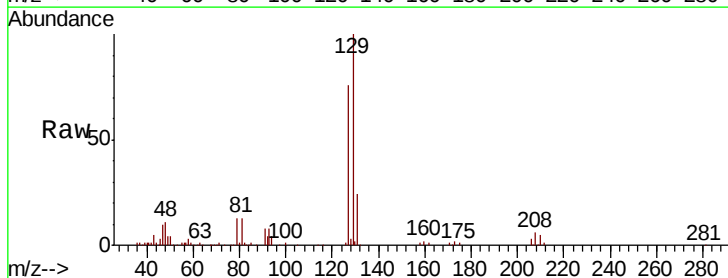


Abundance Ion 43.05 (42.75 to 43.75): VU035735.D (-2288) (-)
Ion 58.05 (57.75 to 58.75): VU035735.D (-2288) (-)
Ion 57.20 (56.90 to 57.90): VU035735.D (-2288) (-)
Ion 100.15 (99.85 to 100.85): VU035735.D (-2288) (-)

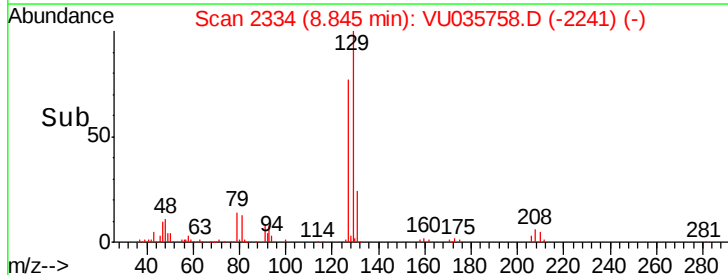
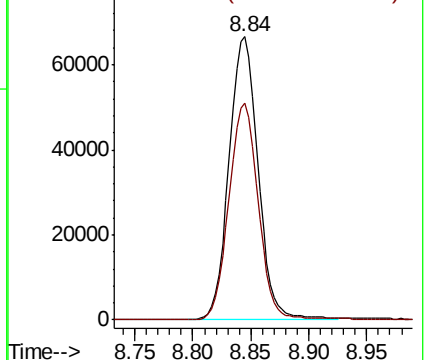


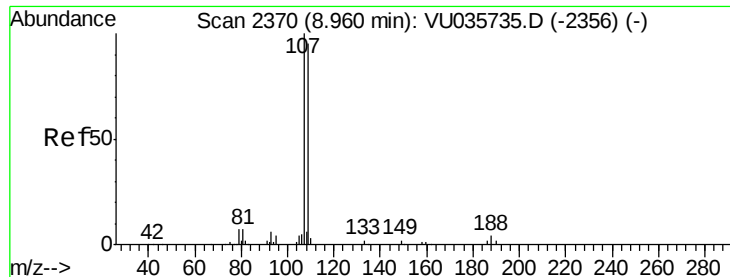
#49
Dibromochloromethane
Concen: 4.693 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion:	129	Resp:	115971
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035735.D (-2319) (-)
Ion 126.90 (126.60 to 127.60): VU035735.D (-2319) (-)

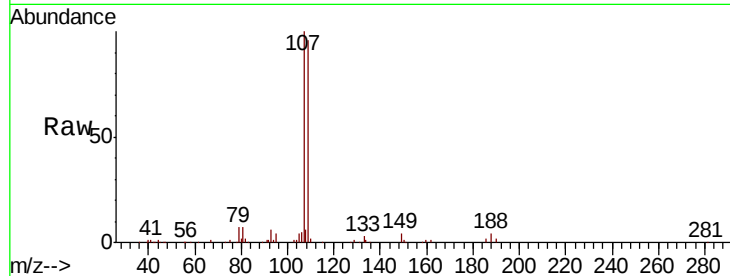




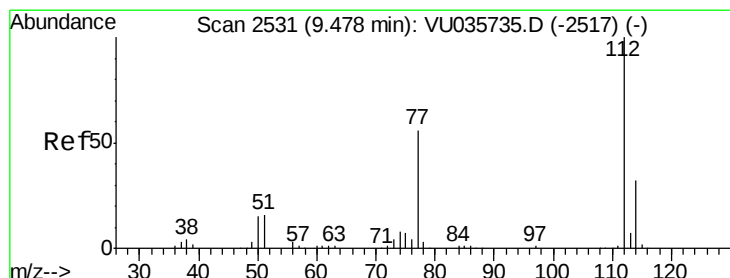
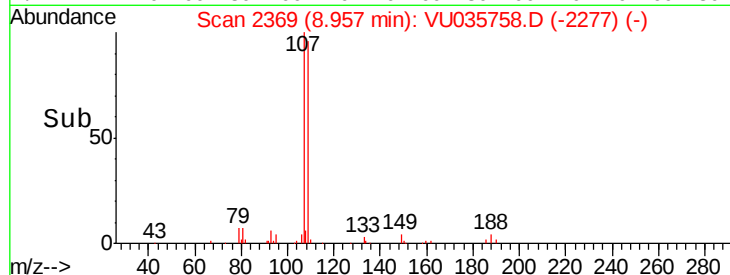
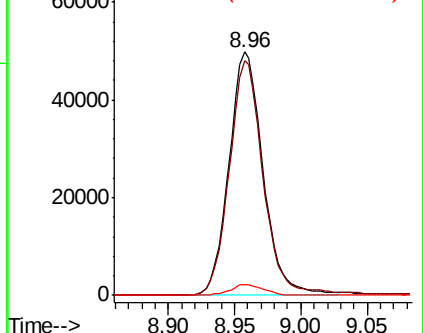
#50
1,2-Dibromoethane
Concen: 4.683 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 89009
Ion Ratio Lower Upper
107 100
109 96.1 66.5 123.5
188 4.4 3.1 4.7

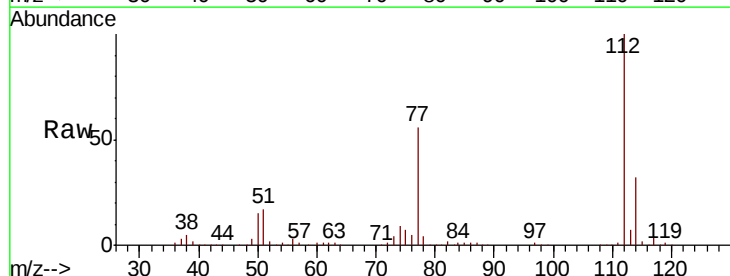


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

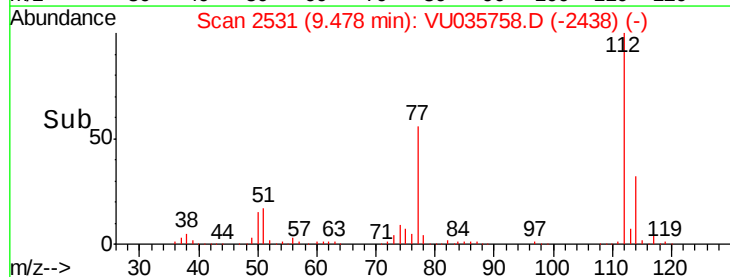
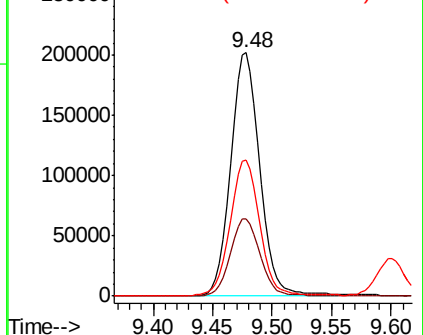


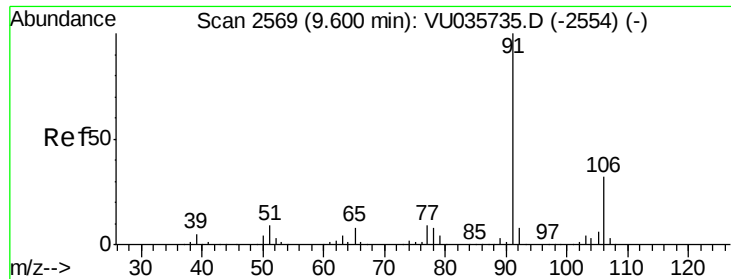
#51
Chlorobenzene
Concen: 4.675 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion:112 Resp: 342882
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 56.1 44.3 66.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU

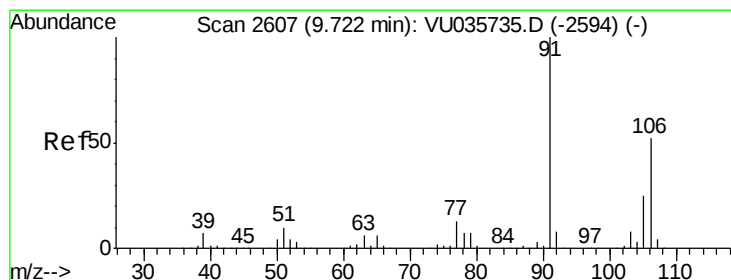
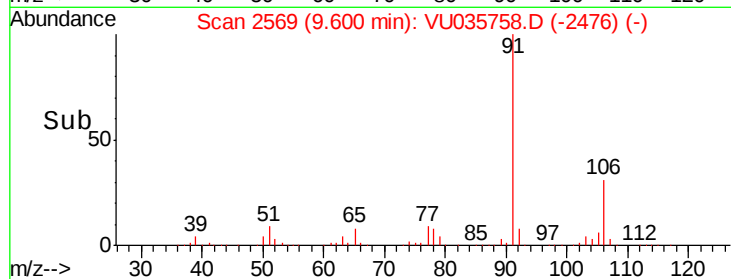
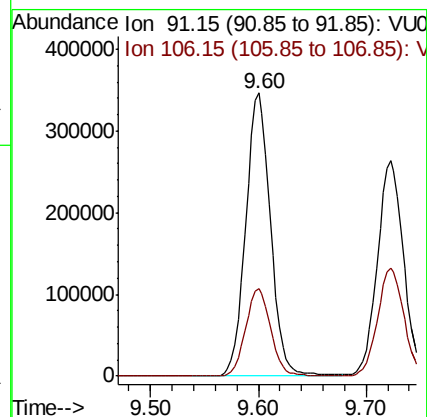
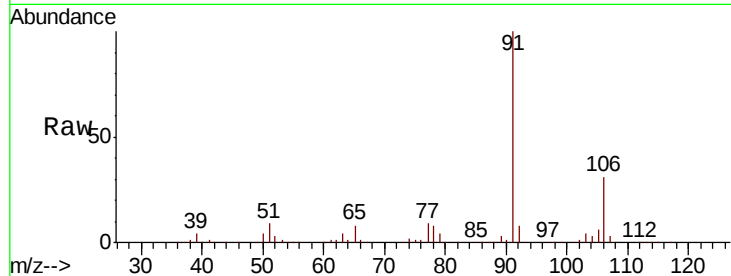




#52
Ethylbenzene
Concen: 4.714 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

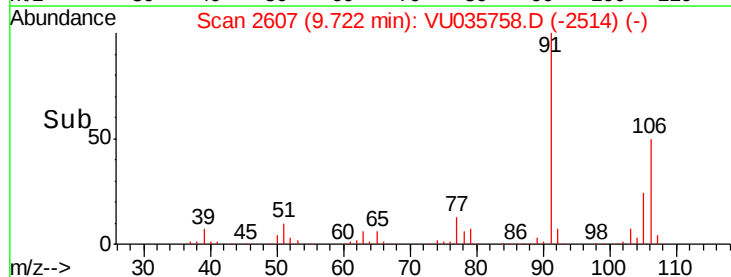
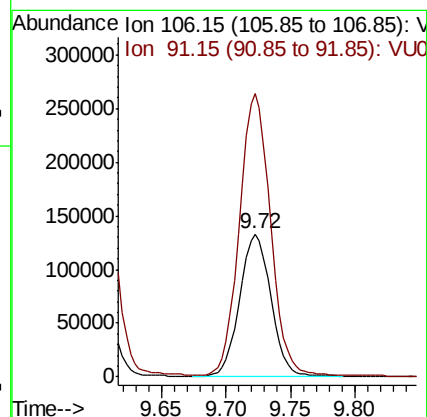
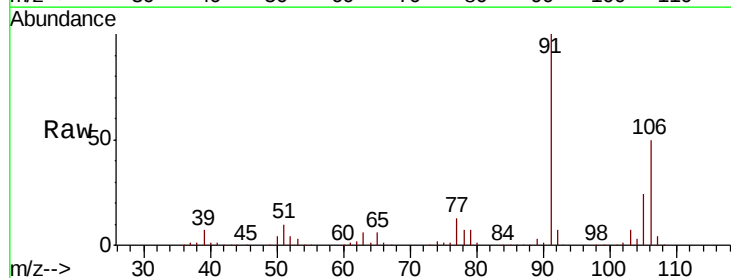
Instrument :
MSVOA_U
ClientSampled :

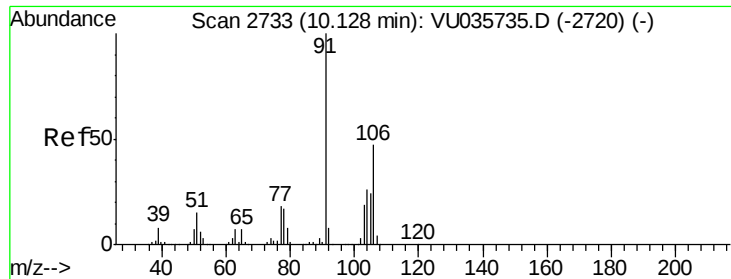
Tot Ion: 91 Resp: 554181
Ion Ratio Lower Upper
91 100
106 31.0 22.4 41.6



#53
m,p-Xylene
Concen: 4.993 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion: 106 Resp: 222220
Ion Ratio Lower Upper
106 100
91 198.5 139.4 259.0

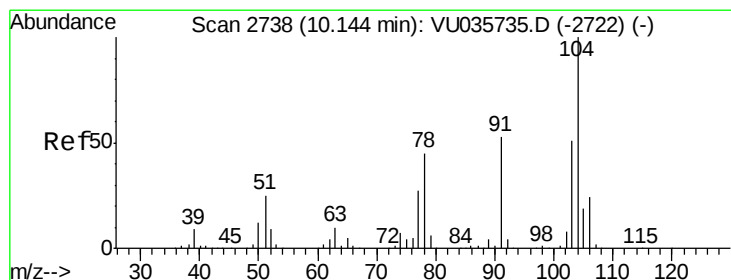
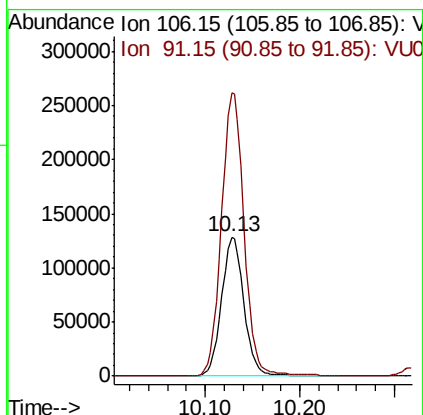
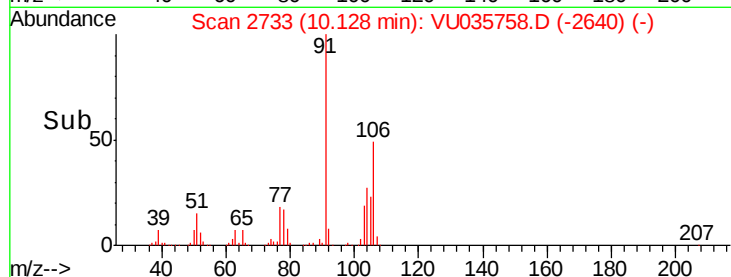
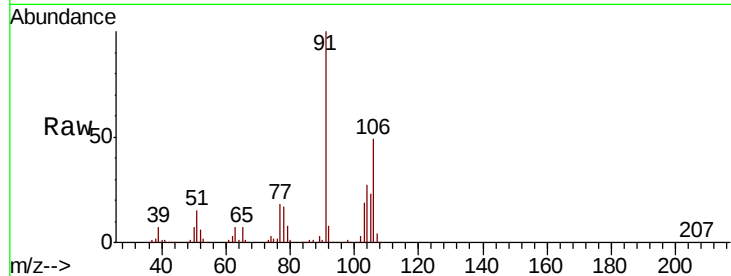




#54
o-Xylene
Concen: 4.911 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

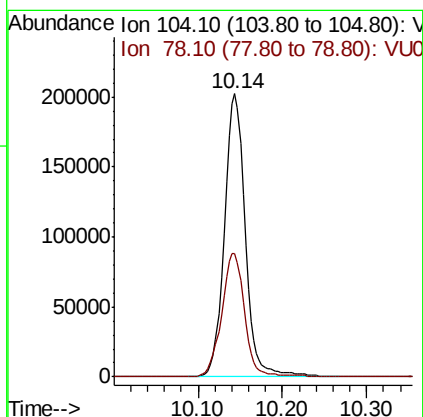
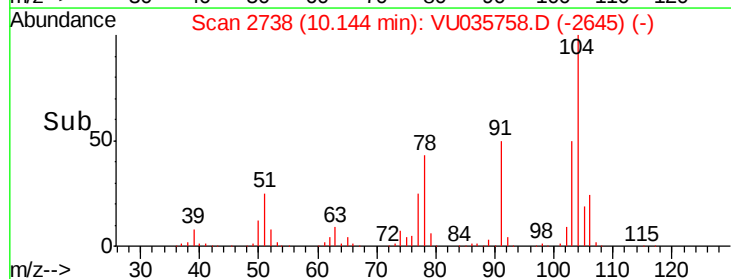
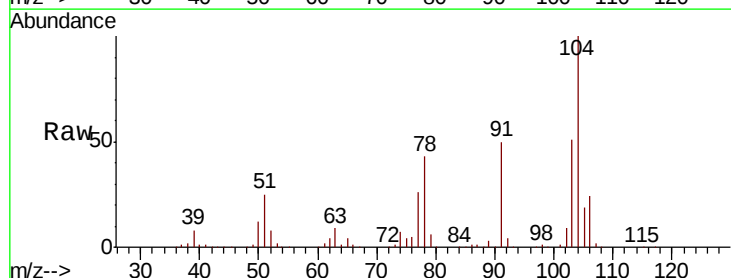
Instrument :
MSVOA_U
ClientSampled :

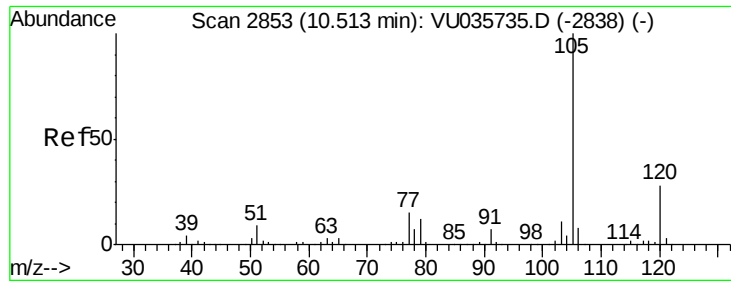
Tot Ion:106 Resp: 211243
Ion Ratio Lower Upper
106 100
91 204.0 147.7 274.3



#55
Styrene
Concen: 4.887 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion:104 Resp: 347559
Ion Ratio Lower Upper
104 100
78 43.5 30.8 57.2





#56

Isopropylbenzene

Concen: 4.747 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

ClientSampled :

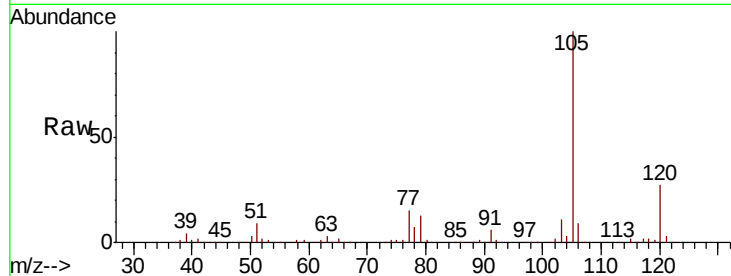
Tot Ion:105 Resp: 538880

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

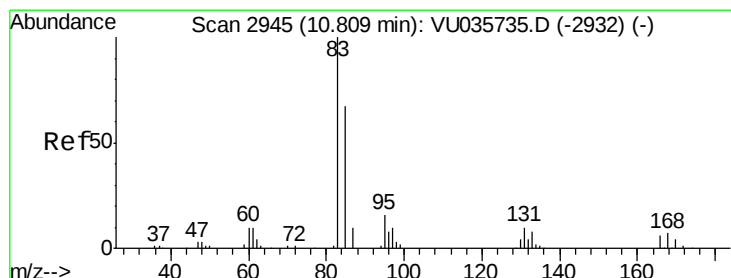
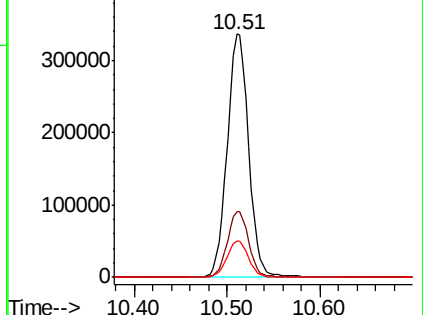
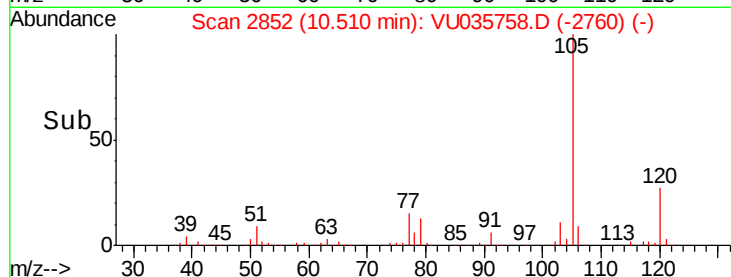
77 15.0 11.8 17.8



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: 4.598 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

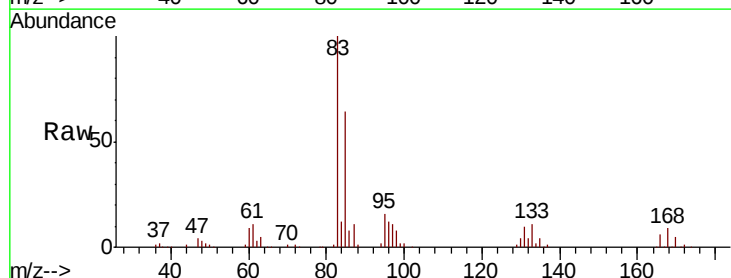
Tgt Ion: 83 Resp: 120343

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

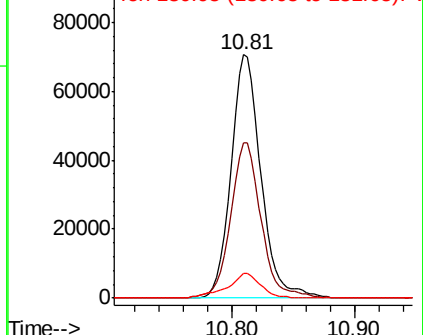
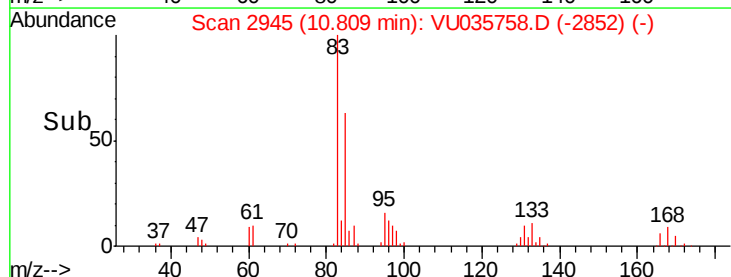
131 10.0 8.2 12.4

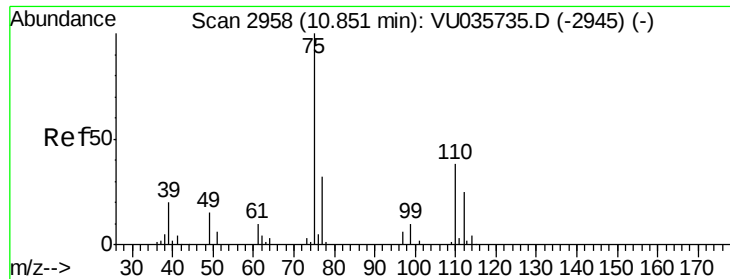


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.579 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

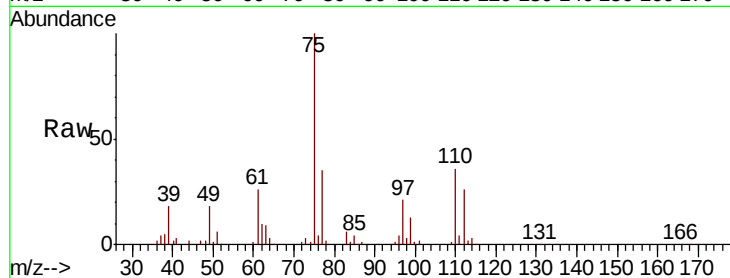
ClientSampleId :

Tot Ion: 75 Resp: 84709

Ion Ratio Lower Upper

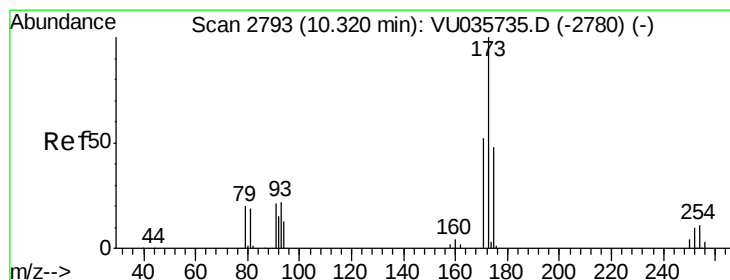
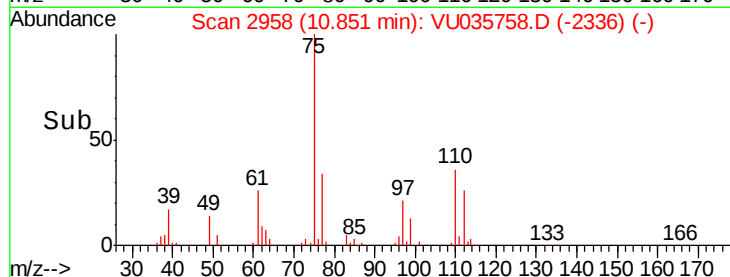
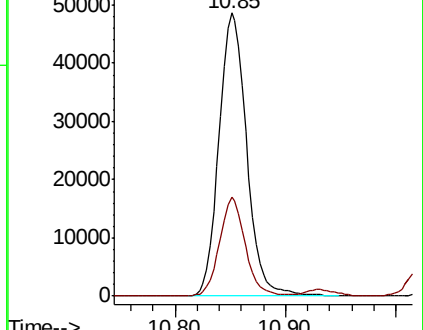
75 100

77 32.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU035735.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035735.D (-2945) (-)



#61

Bromoform

Concen: 4.402 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

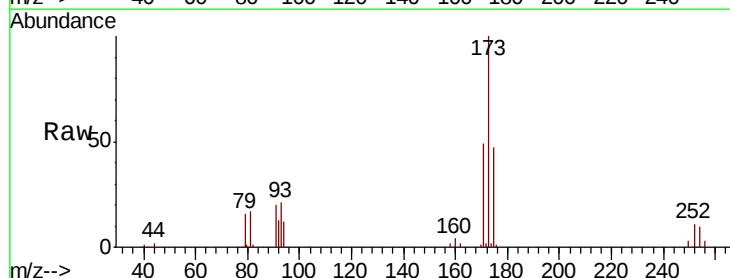
Tgt Ion:173 Resp: 71188

Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

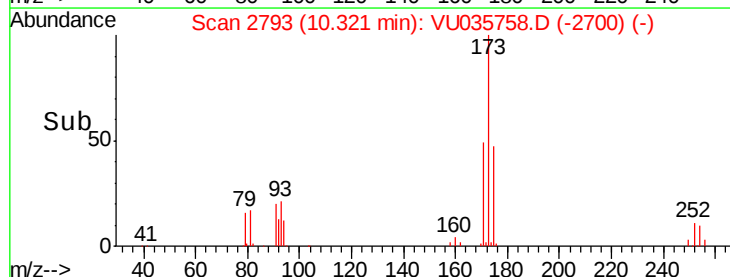
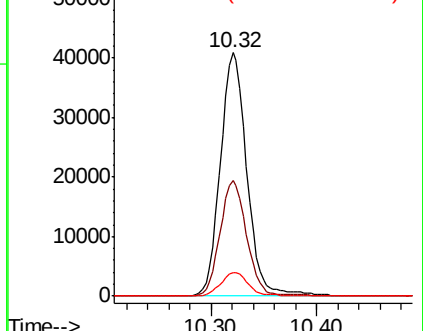
254 10.0 8.5 12.7

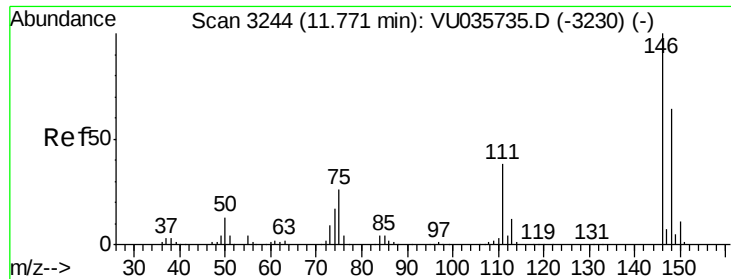


Abundance Ion 172.90 (172.60 to 173.60): VU035735.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035735.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035735.D (-2780) (-)





#62

1,3-Dichlorobenzene

Concen: 4.621 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035758.D

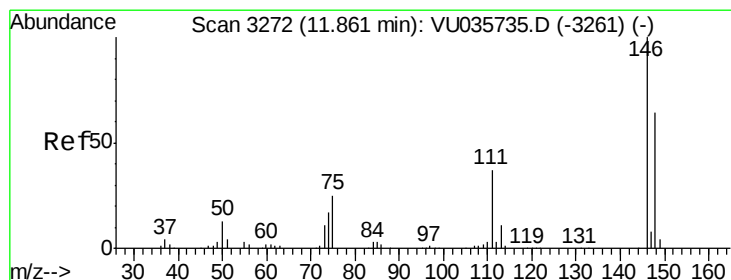
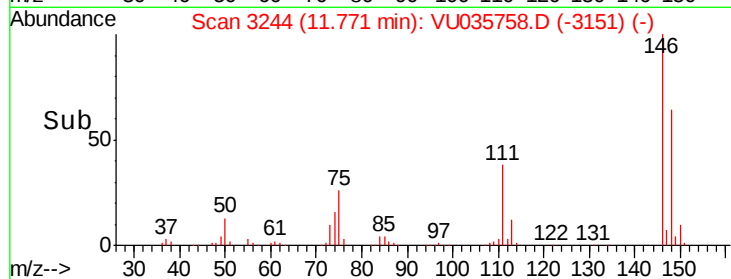
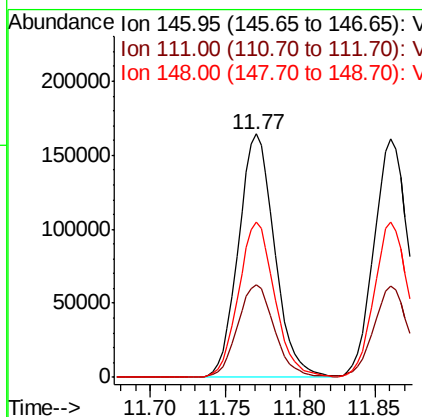
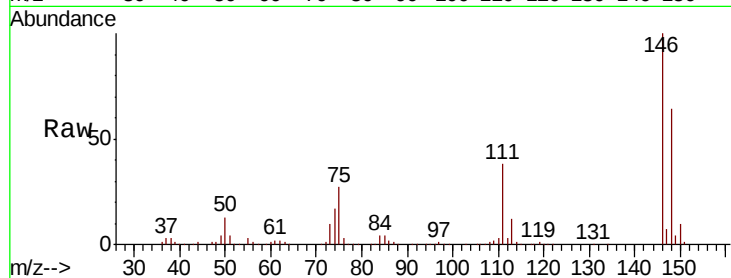
Acq: 18 Nov 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	276437
Ion Ratio	Lower	Upper
146	100	
111	38.0	26.7 49.5
148	63.6	44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 4.659 ug/L

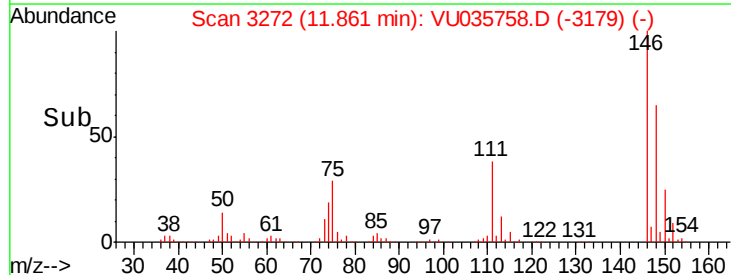
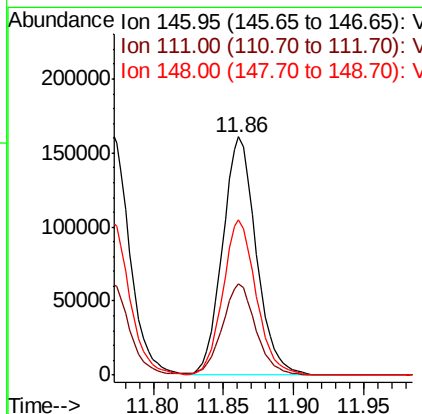
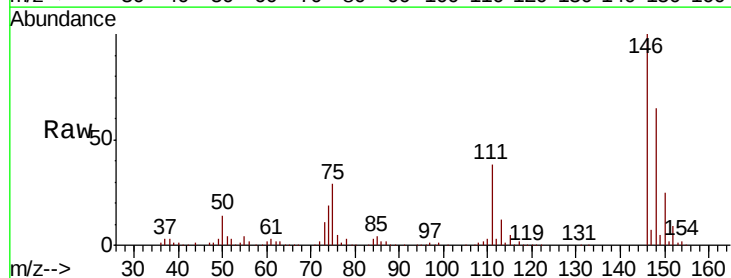
RT: 11.86 min Scan# 3272

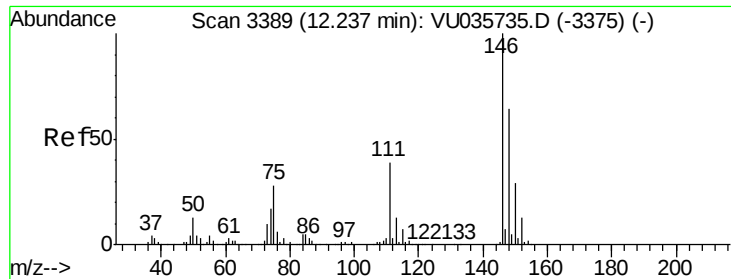
Delta R.T. 0.00 min

Lab File: VU035758.D

Acq: 18 Nov 2019 21:16

Tgt Ion:146	Resp:	268384
Ion Ratio	Lower	Upper
146	100	
111	38.2	25.9 48.1
148	65.2	44.1 81.9

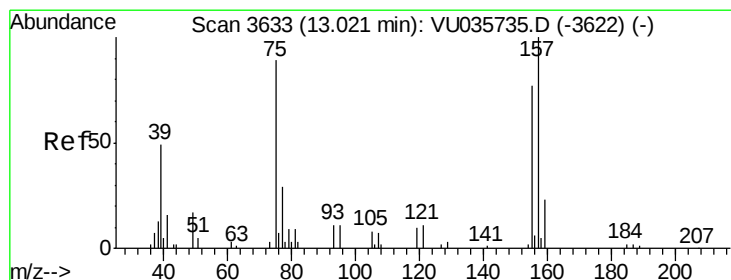
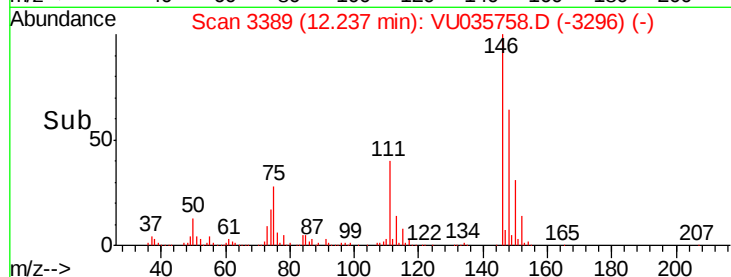
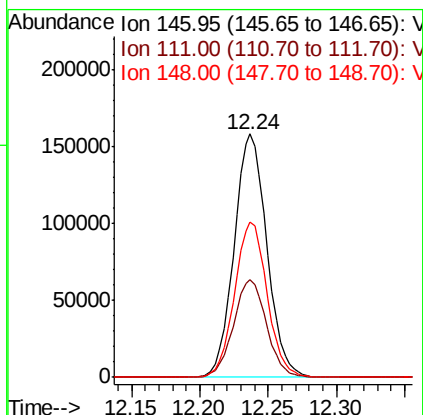
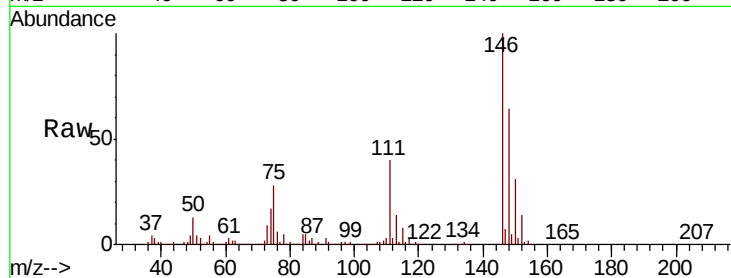




#65
 1,2-Dichlorobenzene
 Concen: 4.676 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

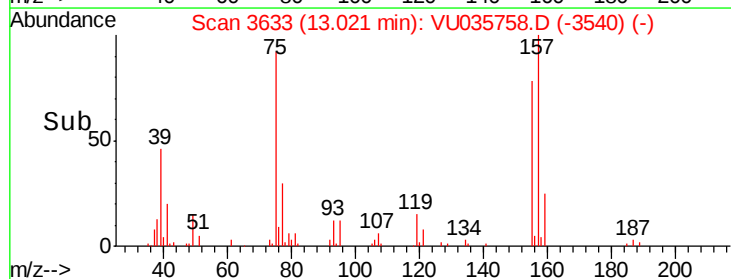
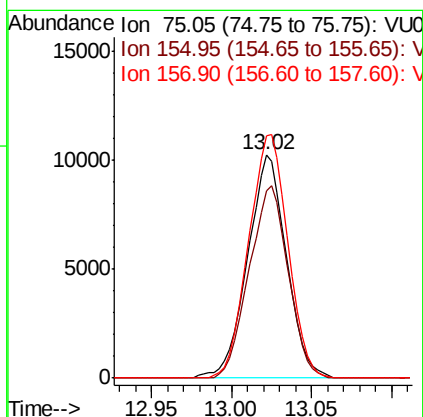
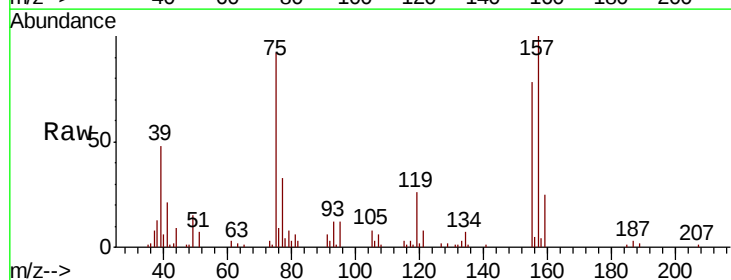
Instrument :
 MSVOA_U
 ClientSampled :

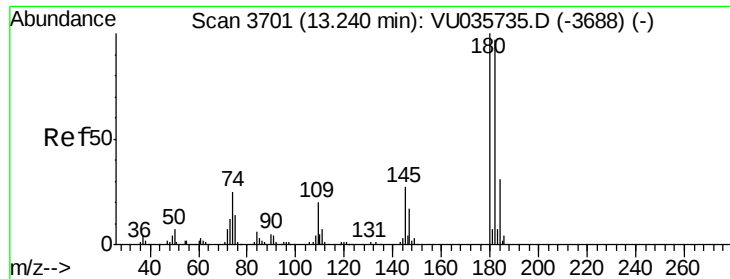
Tot Ion:146 Resp: 262508
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.2 48.4
 148 64.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.774 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion: 75 Resp: 17057
 Ion Ratio Lower Upper
 75 100
 155 83.9 73.3 109.9
 157 108.2 102.2 153.4

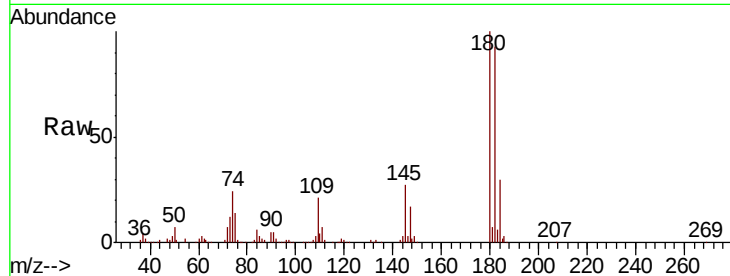




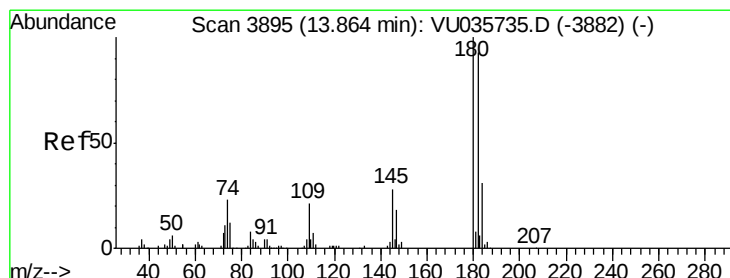
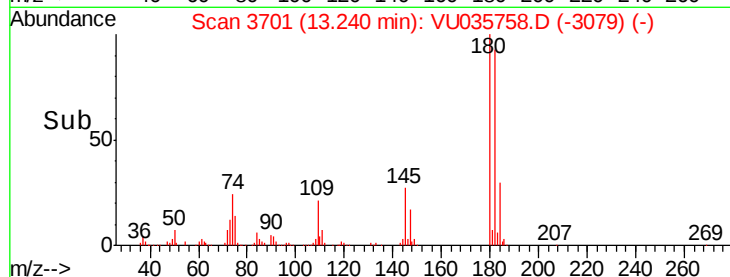
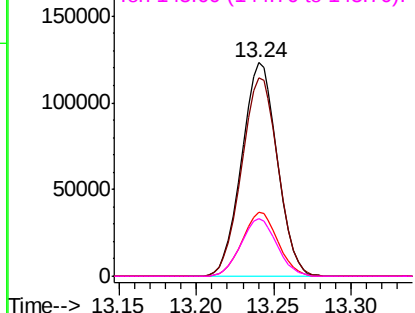
#67
 1,3,5-Trichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	196955
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.9 113.9
184	30.1	24.1 36.1
145	27.3	21.5 32.3

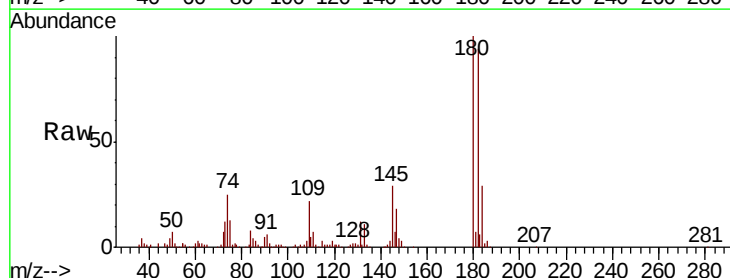


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

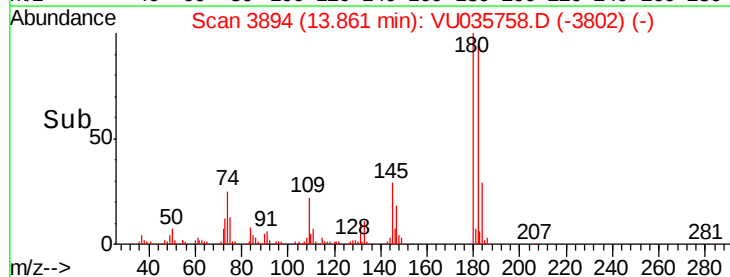
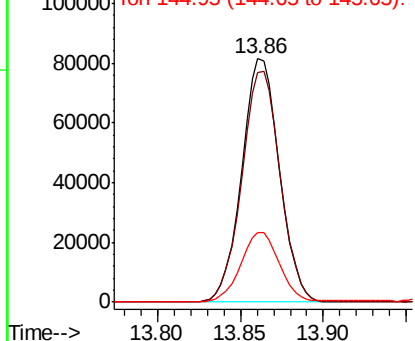


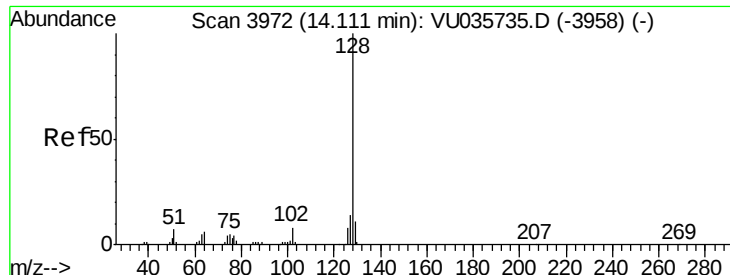
#68
 1,2,4-trichlorobenzene
 Concen: 5.521 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035758.D
 Acq: 18 Nov 2019 21:16

Tgt Ion:180	Resp:	128293
Ion Ratio	Lower	Upper
180	100	
182	96.5	77.4 116.2
145	29.2	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

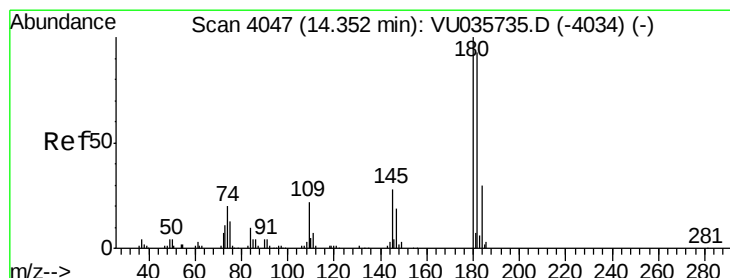
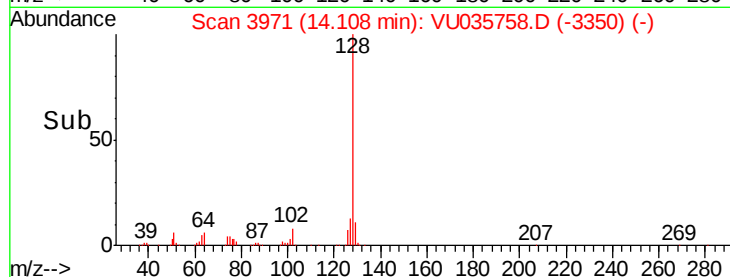
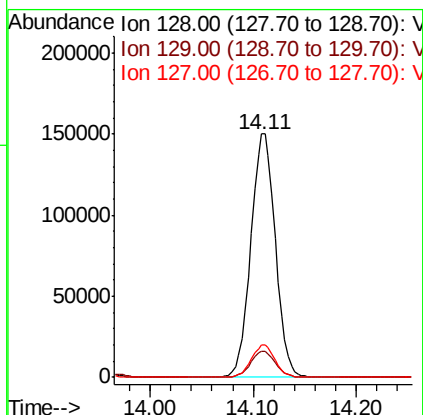
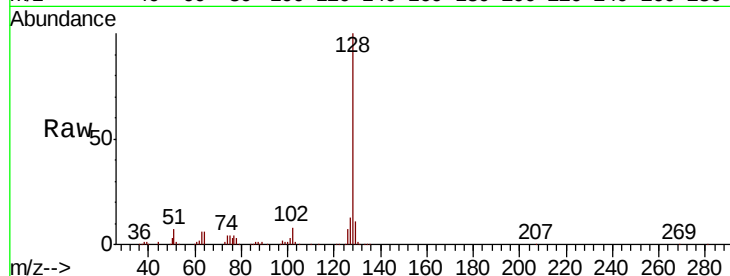




#69
Naphthalene
Concen: 8.631 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 246925
Ion Ratio Lower Upper
128 100
129 11.0 8.1 12.1
127 13.0 11.0 16.4



#70
1,2,3-Trichlorobenzene
Concen: 5.691 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035758.D
Acq: 18 Nov 2019 21:16

Tgt Ion:180 Resp: 127856
Ion Ratio Lower Upper
180 100
182 95.7 74.8 112.2
145 31.3 23.6 35.4

