

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112019\
 Data File : VU035782.D
 Acq On : 20 Nov 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 04:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 18 15:14:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	666402	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	662350	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	297514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	246909	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.93	69	204240	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.02%
11) 1,1-Dichloroethene-d2	2.59	63	428833	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.46%
21) 2-Butanone-d5	4.69	46	382450	121.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.65%
24) Chloroform-d	5.11	84	455156	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	5.75	65	297651	58.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.90%
32) Benzene-d6	5.77	84	891534	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.28%
36) 1,2-Dichloropropane-d6	6.73	67	298783	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.72%
41) Toluene-d8	7.93	98	825383	50.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.36%
43) trans-1,3-Dichloropropene-	8.21	79	137862	53.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.90%
47) 2-Hexanone-d5	8.67	63	237956	110.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.89%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	432257	54.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.58%
64) 1,2-Dichlorobenzene-d4	12.22	152	276887	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	274988	52.912	ug/L 99
3) Chloromethane	1.54	50	319897	56.479	ug/L 100
5) Vinyl chloride	1.62	62	312813	51.329	ug/L 100
6) Bromomethane	1.87	94	152006	49.243	ug/L 95
8) Chloroethane	1.95	64	175662	49.558	ug/L 97
9) Trichlorofluoromethane	2.16	101	383483	53.120	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	216094	52.141	ug/L 93
12) 1,1-Dichloroethene	2.61	96	197712	48.569	ug/L 84
13) Acetone	2.66	43	343336	124.122	ug/L 95
14) Carbon disulfide	2.82	76	619104	49.364	ug/L 99
15) Methyl Acetate	2.99	43	291880	58.258	ug/L 94
16) Methylene chloride	3.08	84	251070	50.548	ug/L 89
17) trans-1,2-Dichloroethene	3.39	96	209221	48.805	ug/L 92
18) Methyl tert-butyl Ether	3.42	73	674819	52.066	ug/L 97
19) 1,1-Dichloroethane	3.92	63	452907	54.769	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	238125	49.248	ug/L 90
22) 2-Butanone	4.76	43	441646	120.950	ug/L 97

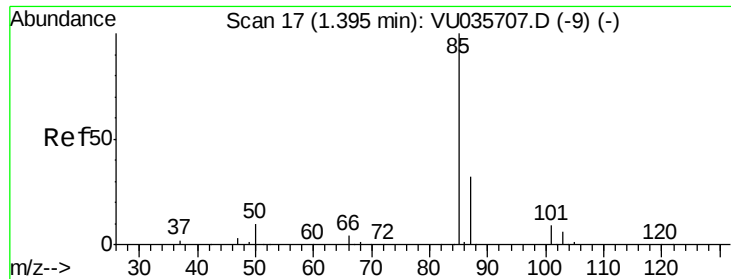
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112019\
 Data File : VU035782.D
 Acq On : 20 Nov 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 04:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 18 15:14:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	121949	47.728	uq/L	88
25) Chloroform	5.13	83	461195	54.914	uq/L	100
27) 1,2-Dichloroethane	5.84	62	357740	58.304	uq/L	97
29) Cyclohexane	5.43	56	369626	54.712	uq/L	93
30) 1,1,1-Trichloroethane	5.36	97	369989	53.147	uq/L	98
31) Carbon tetrachloride	5.57	117	330898	53.456	uq/L	98
33) Benzene	5.82	78	969944	52.106	uq/L	100
34) Trichloroethene	6.58	95	239800	50.672	uq/L	92
35) Methylcyclohexane	6.80	83	350303	50.968	uq/L	94
37) 1,2-Dichloropropane	6.83	63	272558	54.676	uq/L	99
38) Bromodichloromethane	7.14	83	337073	53.198	uq/L	100
39) cis-1,3-Dichloropropene	7.64	75	400827	54.096	uq/L	99
40) 4-Methyl-2-pentanone	7.83	43	771056	115.619	uq/L	96
42) Toluene	8.00	91	1050110	53.824	uq/L	99
44) trans-1,3-Dichloropropene	8.24	75	361966	53.294	uq/L	100
45) 1,1,2-Trichloroethane	8.44	97	239636	50.153	uq/L	98
46) Tetrachloroethene	8.58	164	183901	46.474	uq/L	98
48) 2-Hexanone	8.73	43	637630	117.574	uq/L #	90
49) Dibromochloromethane	8.84	129	270740	50.246	uq/L	99
50) 1,2-Dibromoethane	8.96	107	251590	49.353	uq/L	96
51) Chlorobenzene	9.48	112	640802	49.199	uq/L	97
52) Ethylbenzene	9.60	91	1110480	53.242	uq/L	100
53) m,p-Xylene	9.72	106	411833	52.621	uq/L	99
54) o-xylene	10.13	106	398320	52.072	uq/L	91
55) Styrene	10.14	104	681399	53.675	uq/L	97
56) Isopropylbenzene	10.51	105	1022148	53.174	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	428026	52.008	uq/L	99
59) 1,2,3-Trichloropropane	10.85	75	342140	52.638	uq/L	100
61) Bromoform	10.32	173	202333	44.578	uq/L #	98
62) 1,3-Dichlorobenzene	11.77	146	447499	47.680	uq/L	99
63) 1,4-Dichlorobenzene	11.86	146	443339	46.498	uq/L	99
65) 1,2-Dichlorobenzene	12.24	146	443785	46.445	uq/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	73580	49.667	uq/L #	82
67) 1,3,5-Trichlorobenzene	13.24	180	230132	42.442	uq/L	98
68) 1,2,4-trichlorobenzene	13.86	180	134048	36.905	uq/L	99
69) Naphthalene	14.11	128	351320	37.710	uq/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	145686	37.226	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 52.912 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

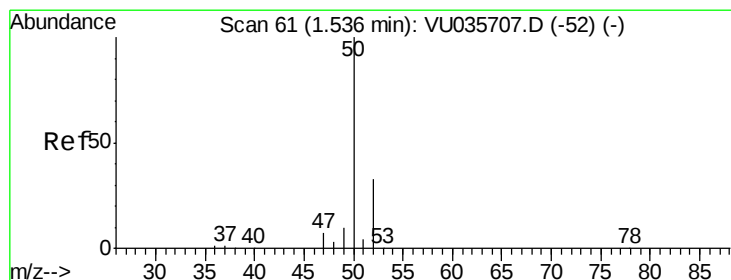
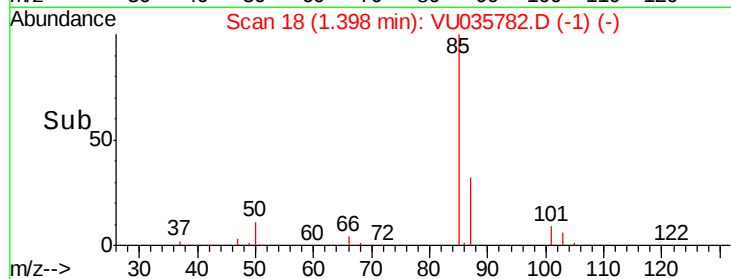
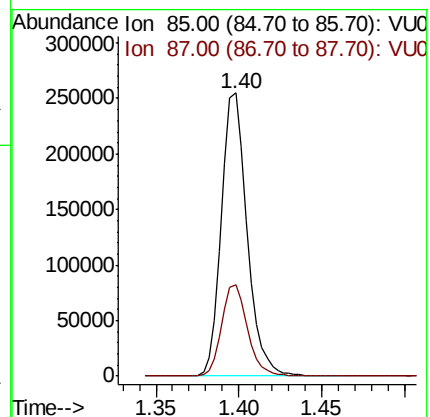
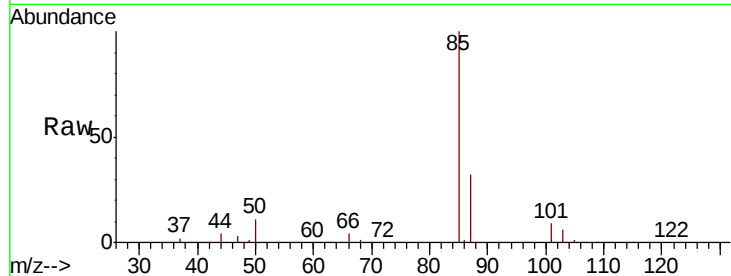
ClientSampled :

Tot Ion: 85 Resp: 274988

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



#3

Chloromethane

Concen: 56.479 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035782.D

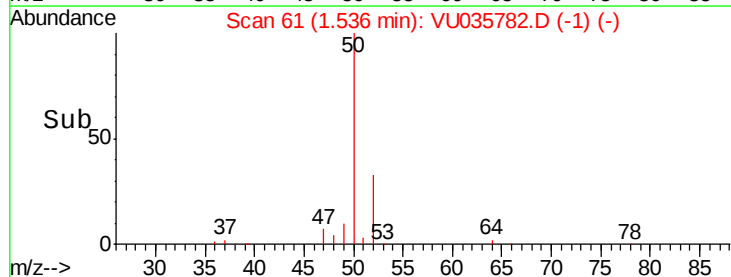
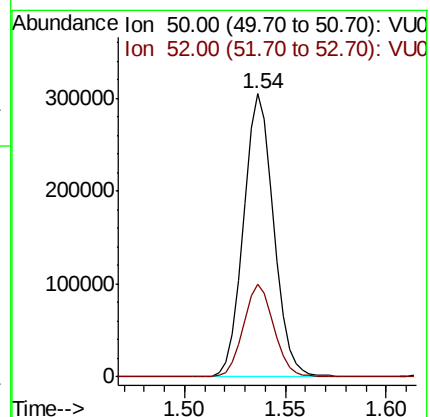
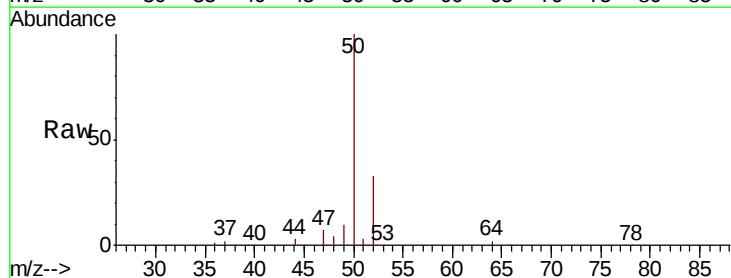
Acq: 20 Nov 2019 12:03

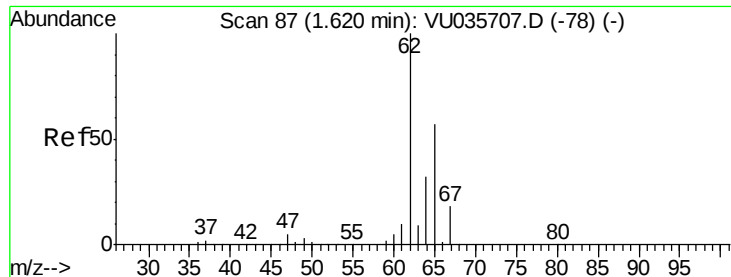
Tgt Ion: 50 Resp: 319897

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 51.329 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

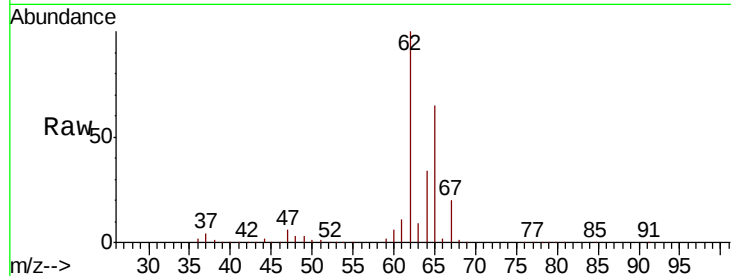
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 312813

Ion Ratio Lower Upper

62 100

64 34.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035707.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035707.D (-78) (-)

1.62

300000

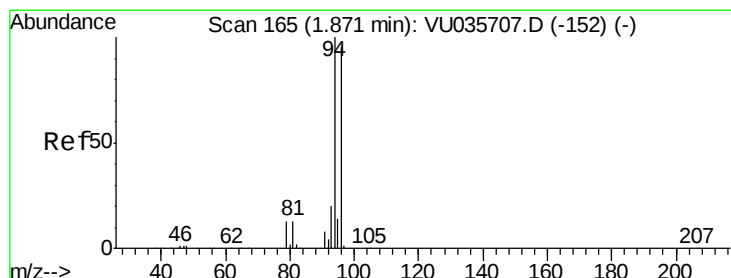
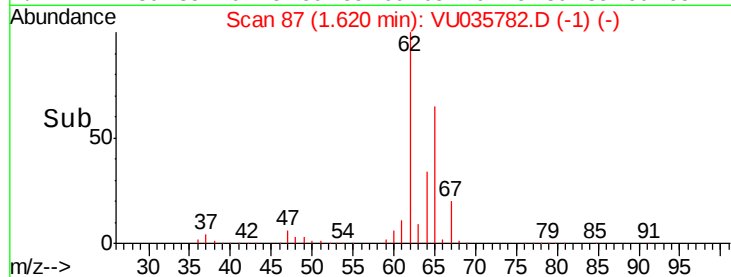
200000

100000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 49.243 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035782.D

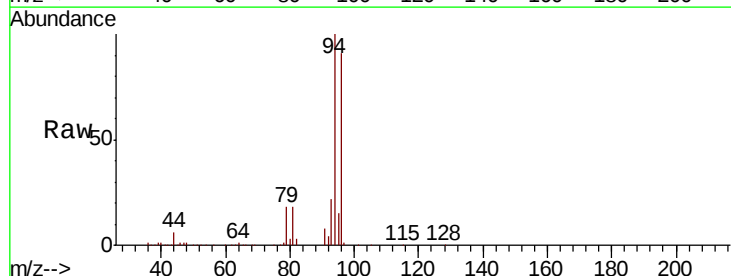
Acq: 20 Nov 2019 12:03

Tgt Ion: 94 Resp: 152006

Ion Ratio Lower Upper

94 100

96 91.4 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035707.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU035707.D (-152) (-)

1.87

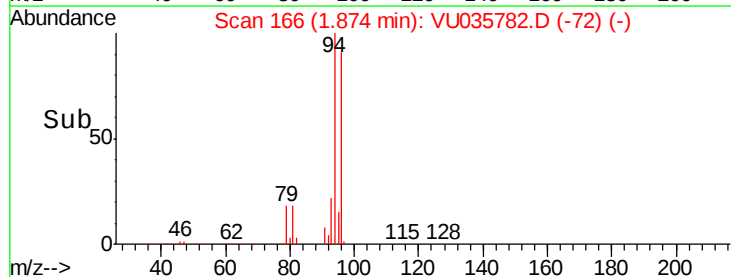
100000

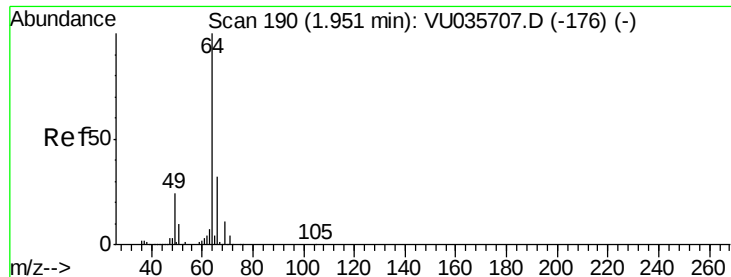
50000

0

1.80 1.85 1.90 1.95

Time-->

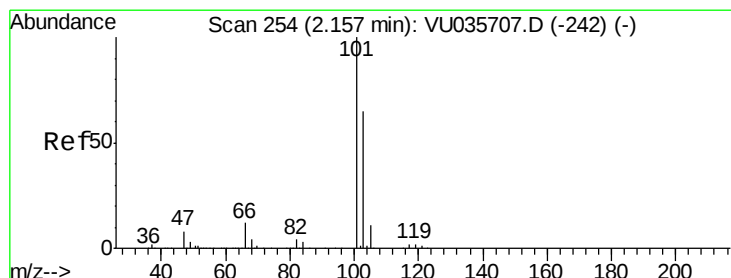
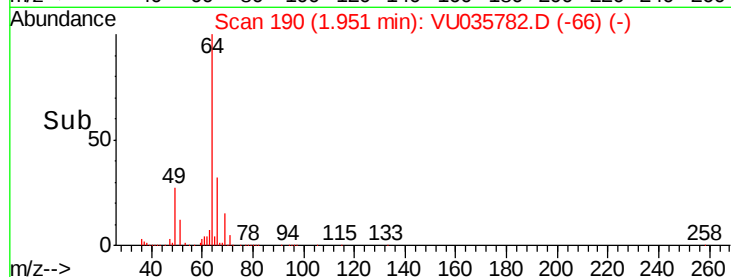
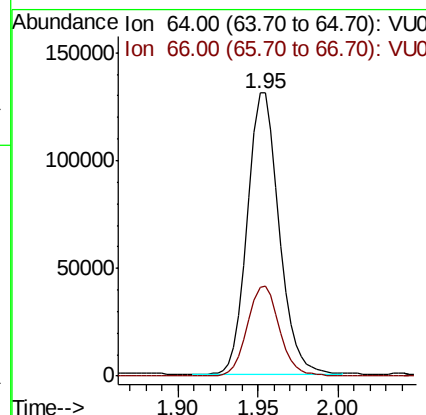
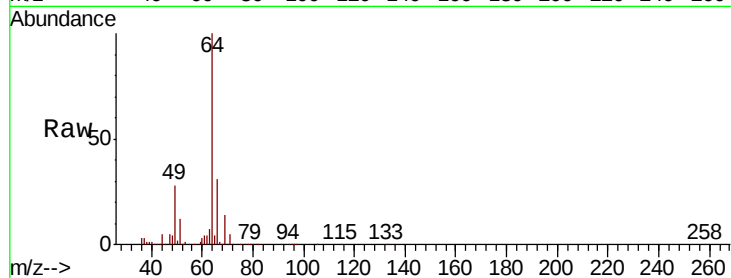




#8
Chloroethane
Concen: 49.558 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

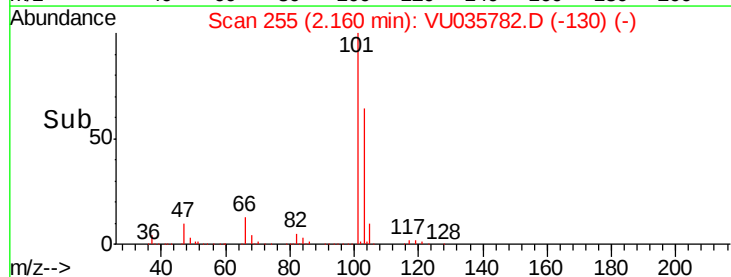
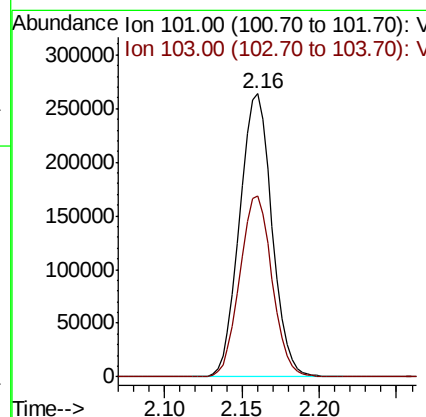
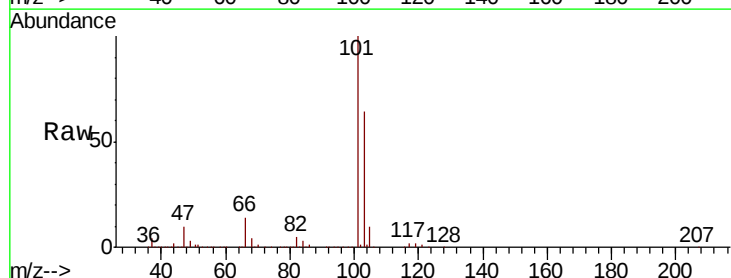
Instrument :
MSVOA_U
ClientSampleId :

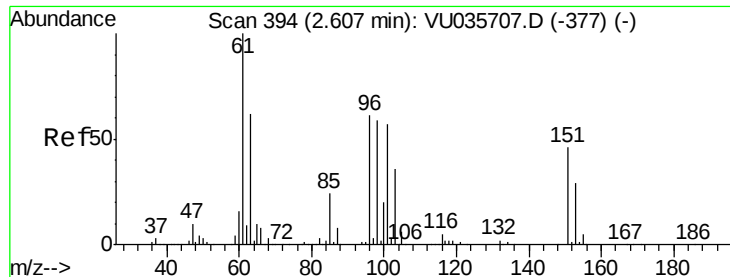
Tot Ion: 64 Resp: 175662
Ion Ratio Lower Upper
64 100
66 31.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 53.120 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion: 101 Resp: 383483
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.6





#10

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

Concen: 52.141 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

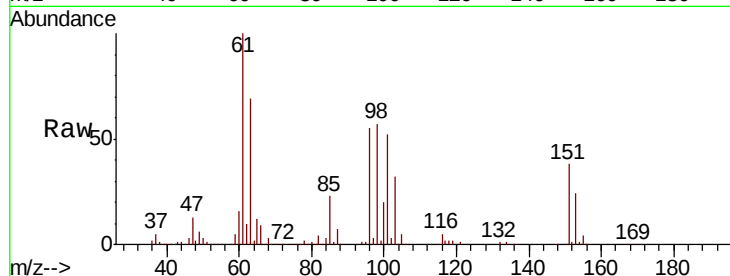
Tot Ion:101 Resp: 216094

Ion Ratio Lower Upper

101 100

85 45.3 34.0 51.0

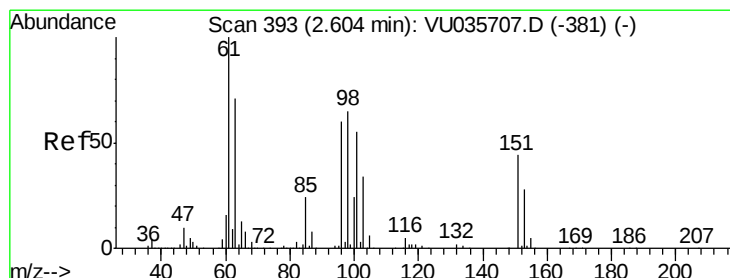
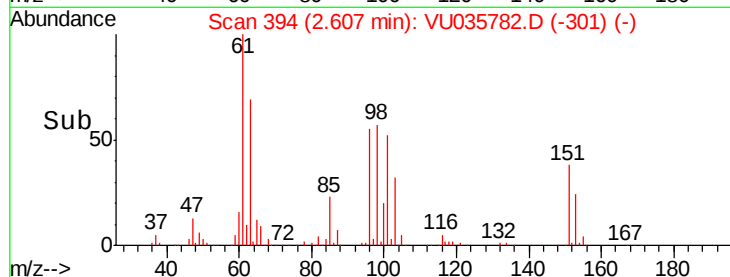
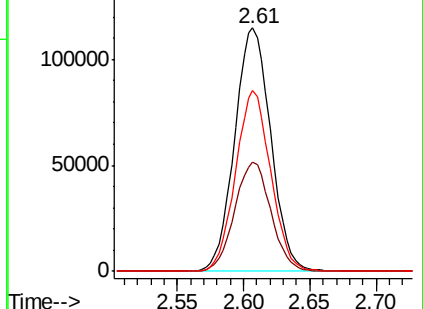
151 72.8 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.569 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

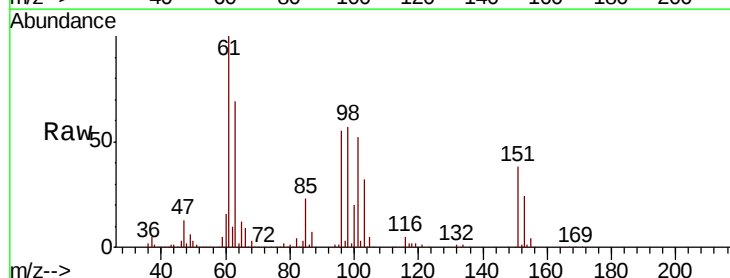
Tgt Ion: 96 Resp: 197712

Ion Ratio Lower Upper

96 100

61 182.6 113.1 210.1

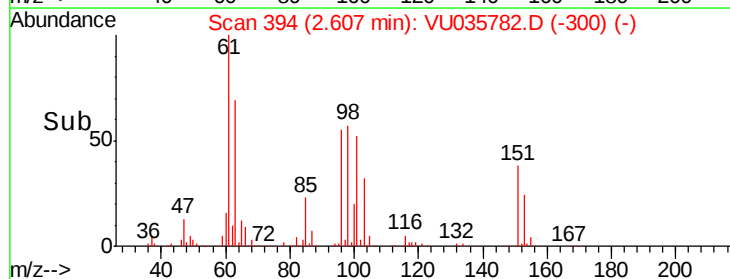
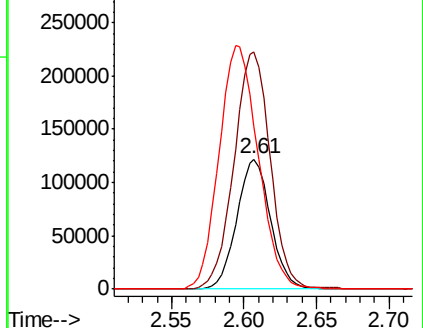
63 125.8 76.2 141.4

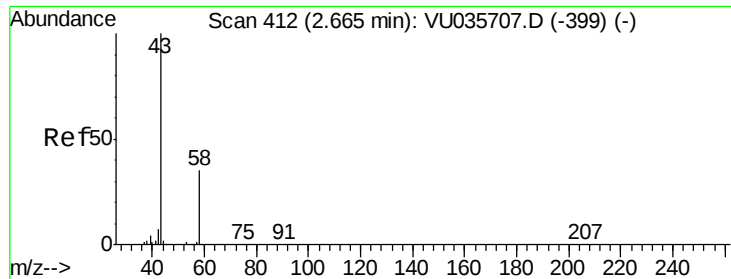


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 124.122 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

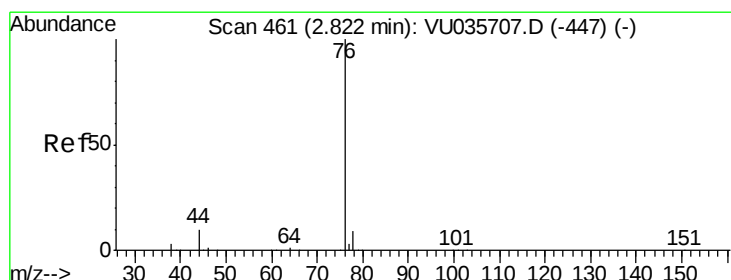
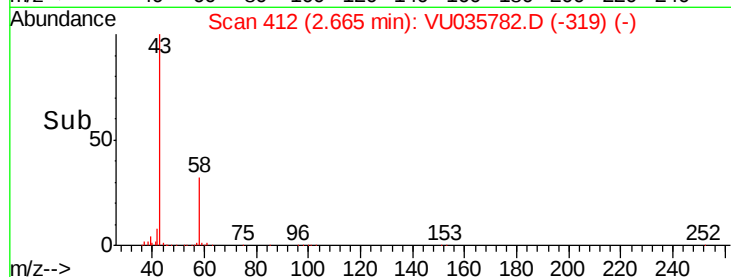
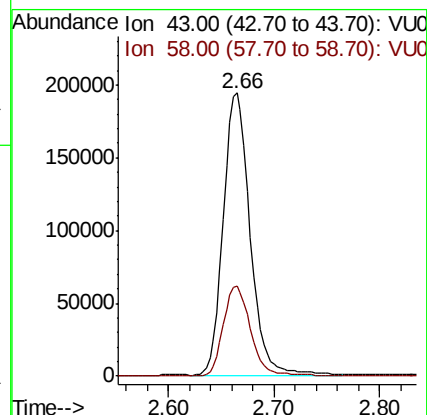
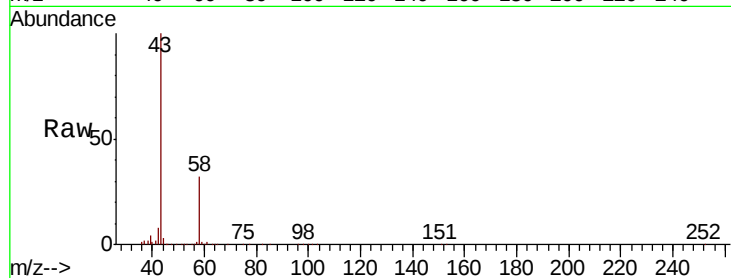
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 343336

Ion Ratio Lower Upper

43 100

58 32.2 0.0 70.0



#14

Carbon disulfide

Concen: 49.364 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035782.D

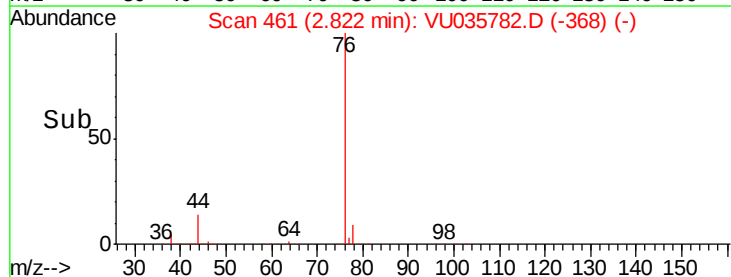
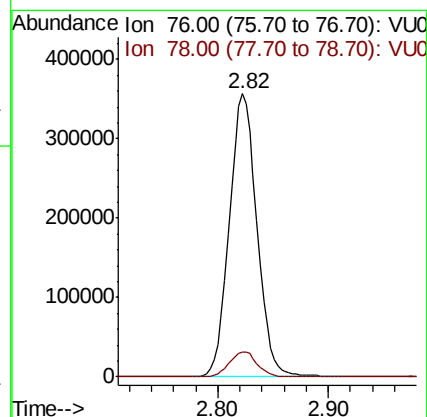
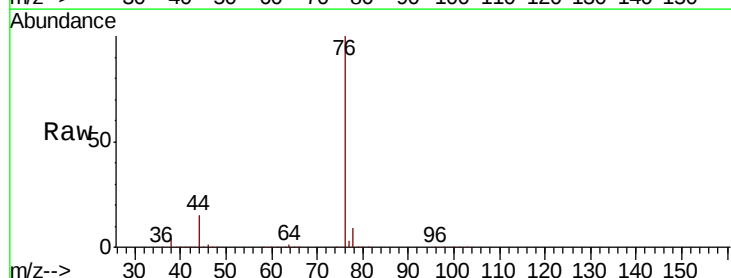
Acq: 20 Nov 2019 12:03

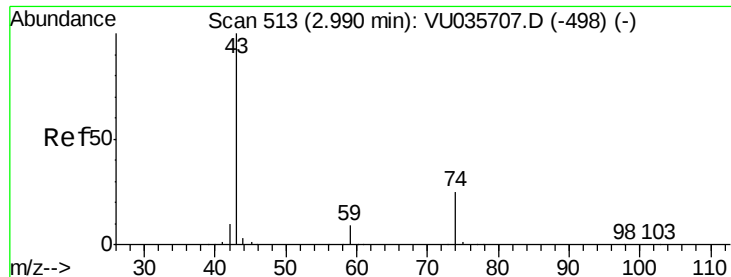
Tgt Ion: 76 Resp: 619104

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methvl Acetate

Concen: 58.258 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

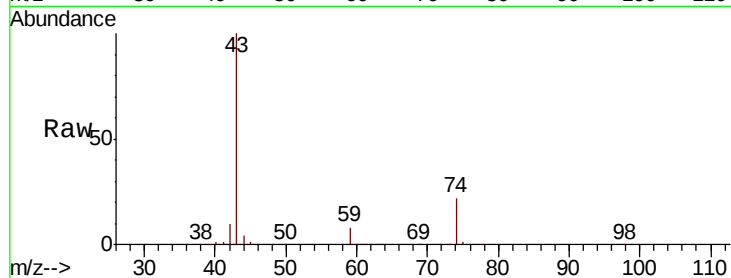
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 291880

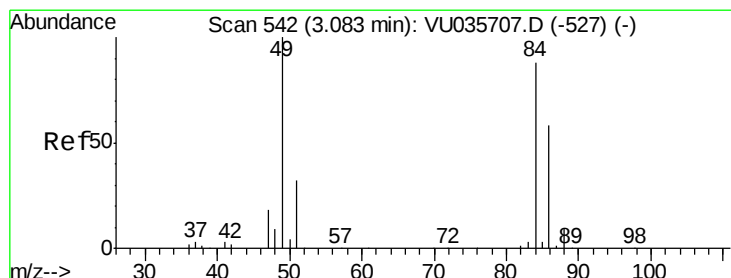
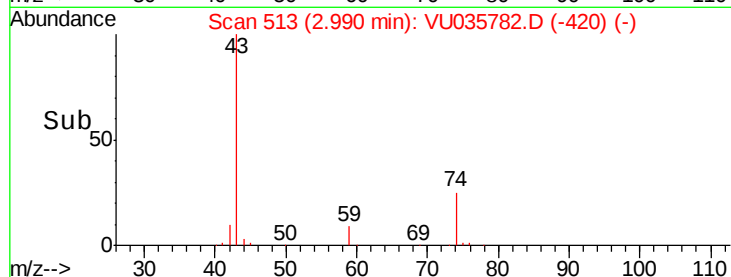
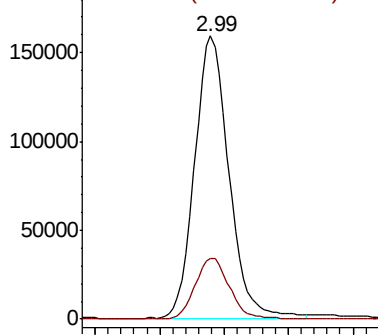
Ion Ratio Lower Upper

43 100

74 21.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 50.548 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

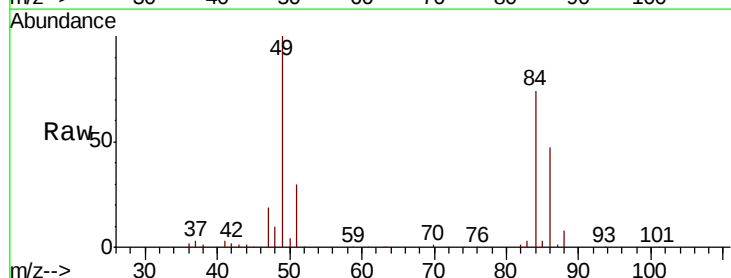
Tgt Ion: 84 Resp: 251070

Ion Ratio Lower Upper

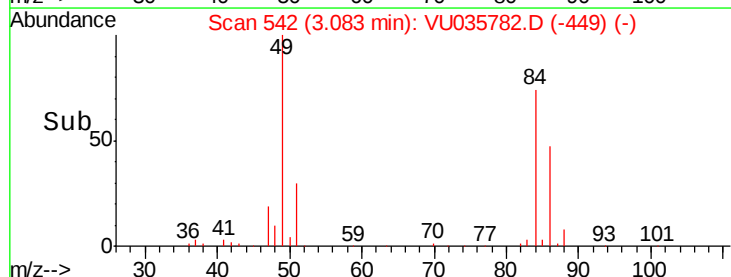
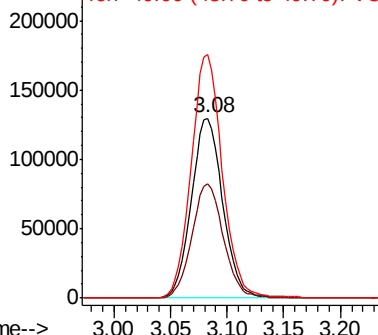
84 100

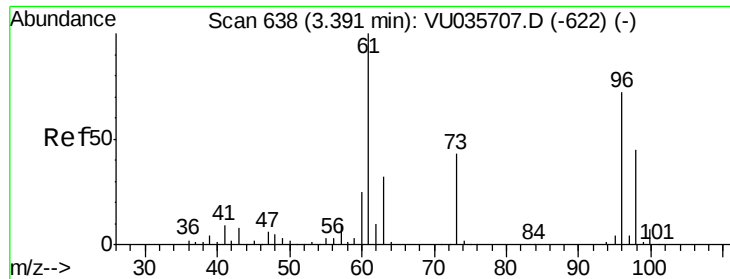
86 63.6 45.1 83.7

49 135.4 82.7 153.5



Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

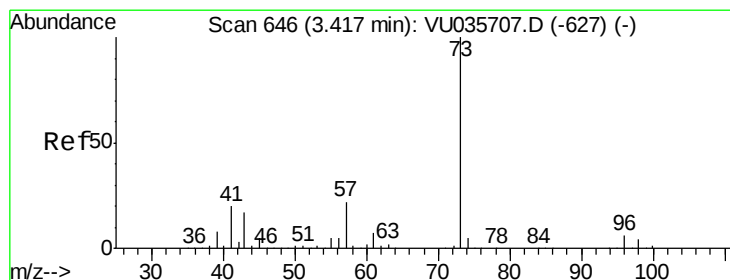
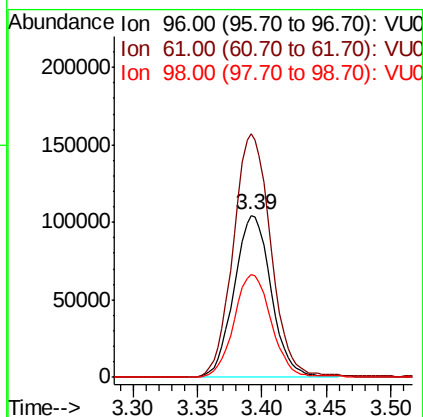
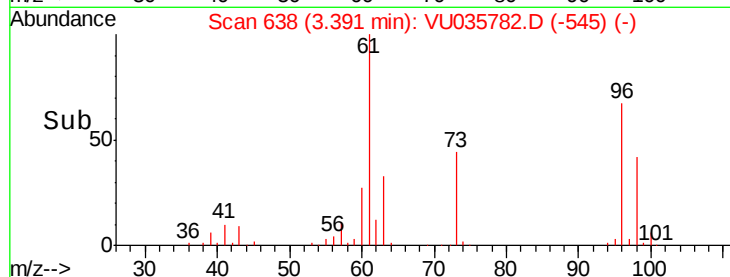
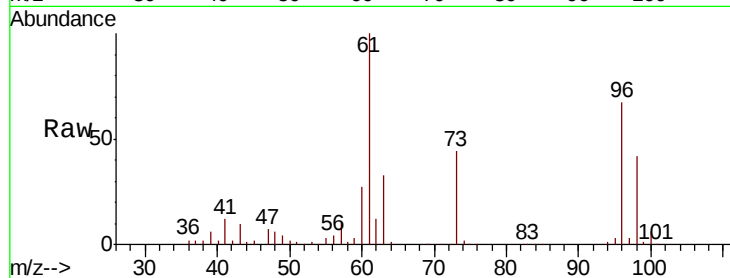




#17
trans-1,2-Dichloroethene
Concen: 48.805 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

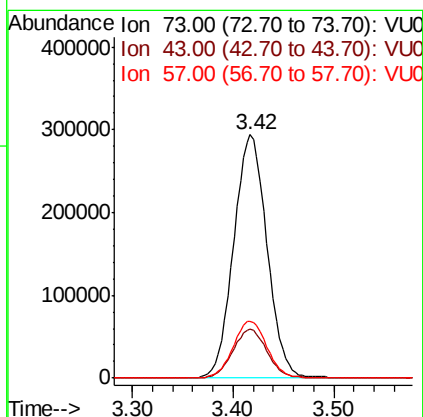
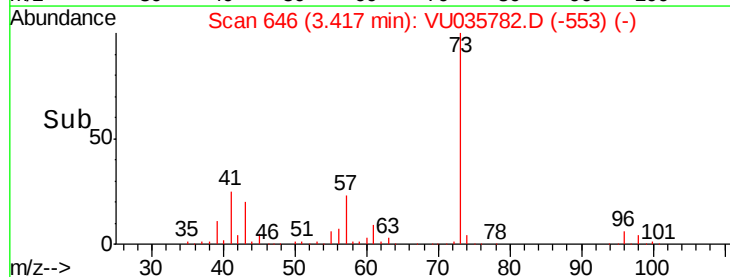
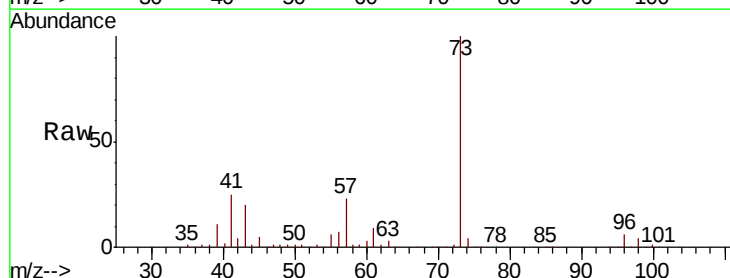
Instrument :
MSVOA_U
ClientSampled :

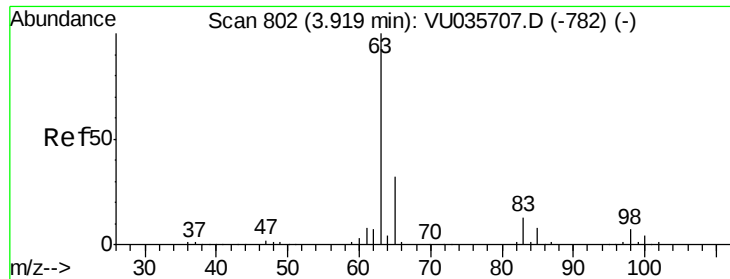
Tot Ion: 96 Resp: 209221
Ion Ratio Lower Upper
96 100
61 150.0 95.3 176.9
98 63.1 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 52.066 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion: 73 Resp: 674819
Ion Ratio Lower Upper
73 100
43 20.2 14.2 21.2
57 23.7 18.3 27.5





#19

1,1-Dichloroethane

Concen: 54.769 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

ClientSampled :

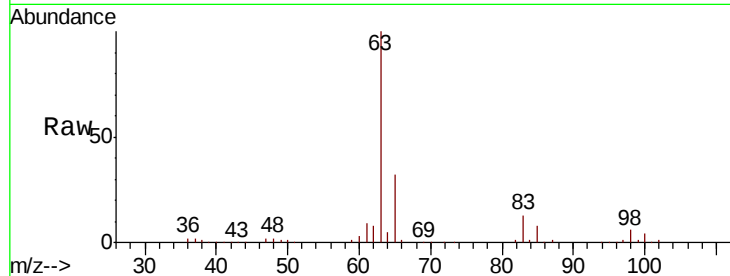
Tot Ion: 63 Resp: 452907

Ion Ratio Lower Upper

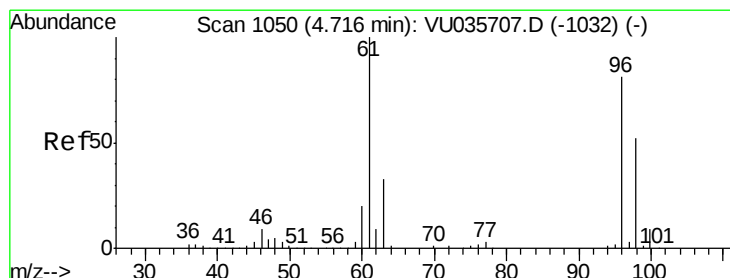
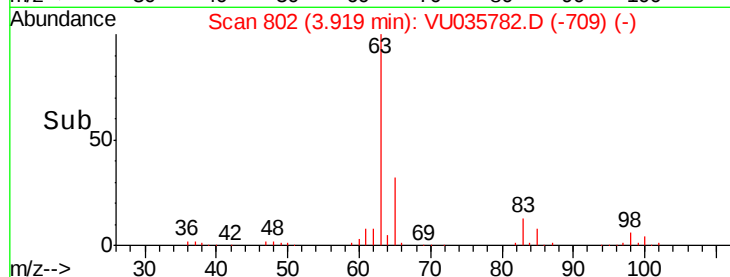
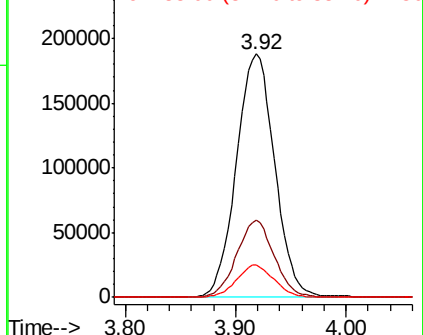
63 100

65 31.6 22.1 41.1

83 13.1 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 49.248 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

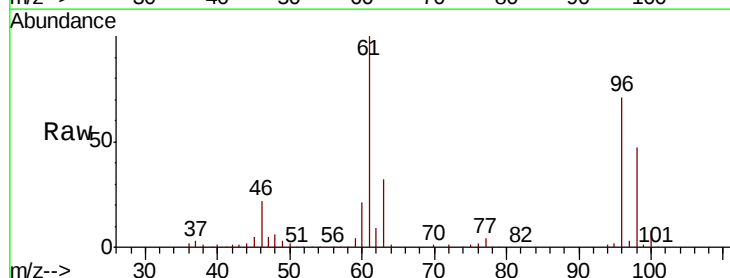
Tgt Ion: 96 Resp: 238125

Ion Ratio Lower Upper

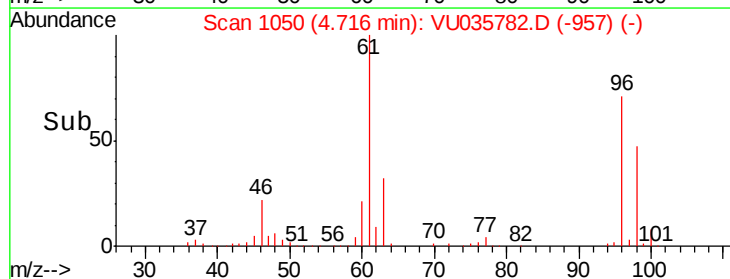
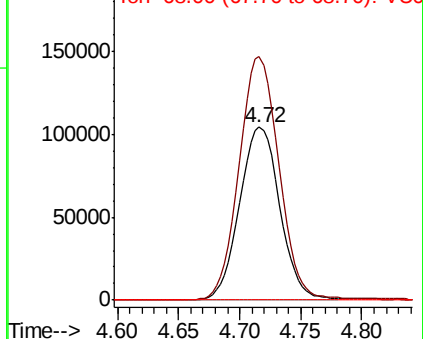
96 100

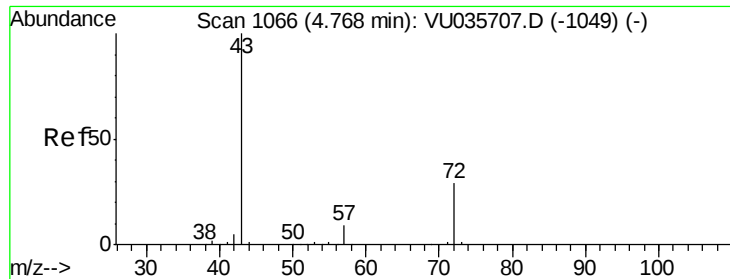
61 140.8 90.6 168.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 120.950 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

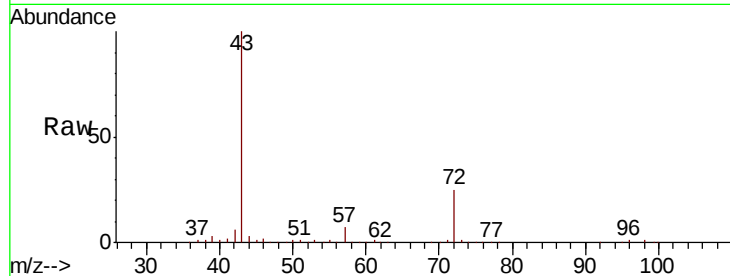
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 441646

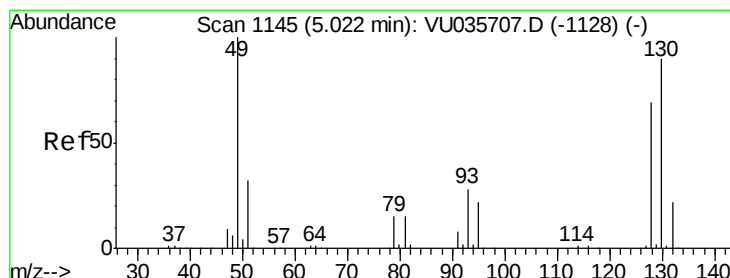
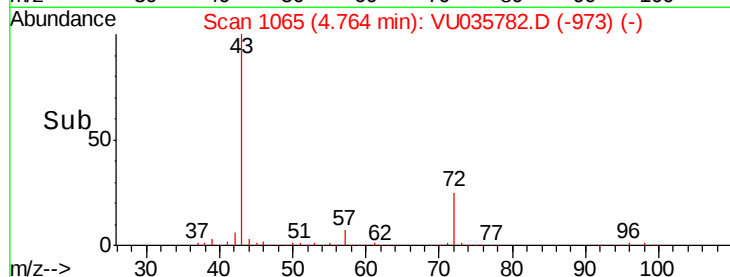
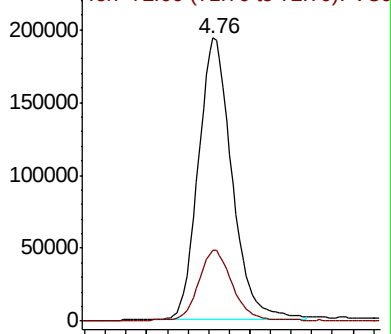
Ion Ratio Lower Upper

43 100

72 25.6 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035782.D (-973) (-)



#23

Bromochloromethane

Concen: 47.728 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Tgt Ion:128 Resp: 121949

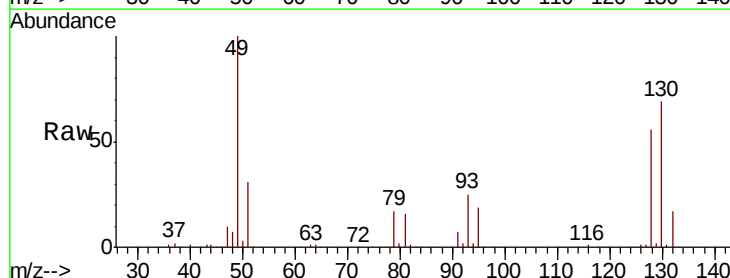
Ion Ratio Lower Upper

128 100

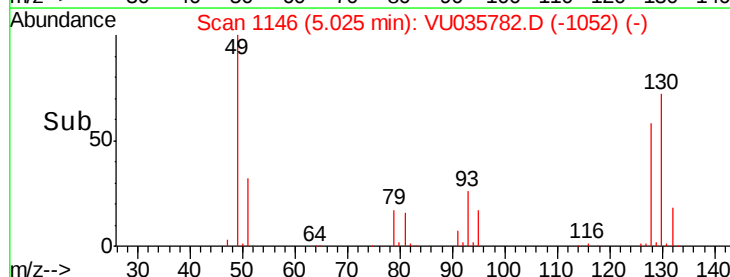
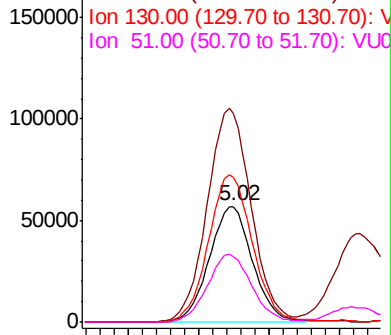
49 180.0 106.4 197.6

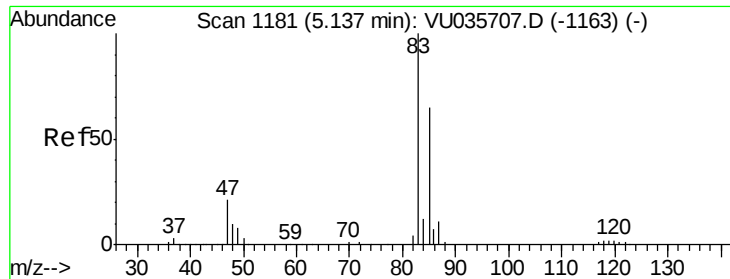
130 124.5 88.1 163.5

51 56.7 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): VU035782.D (-1052) (-)

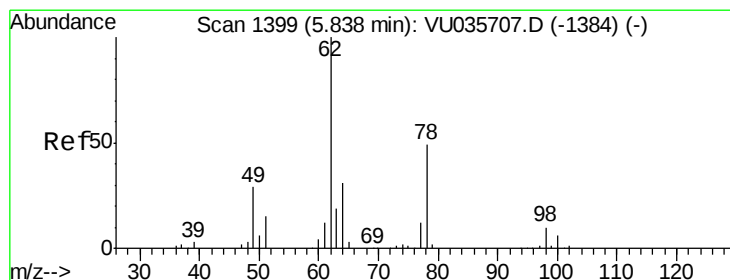
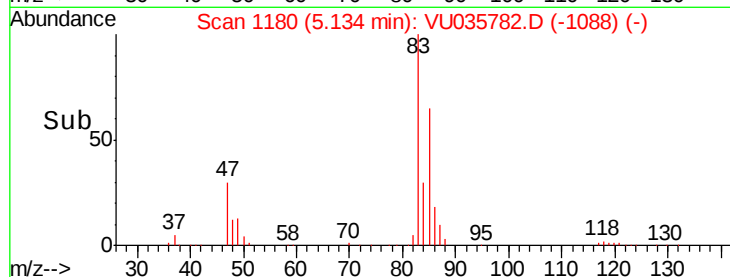
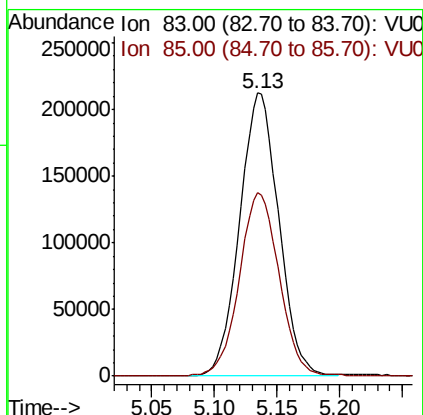
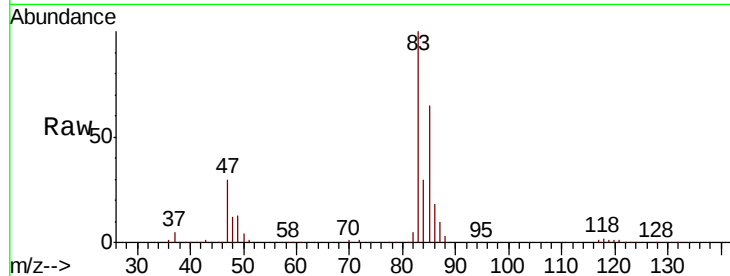




#25
Chloroform
Concen: 54.914 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

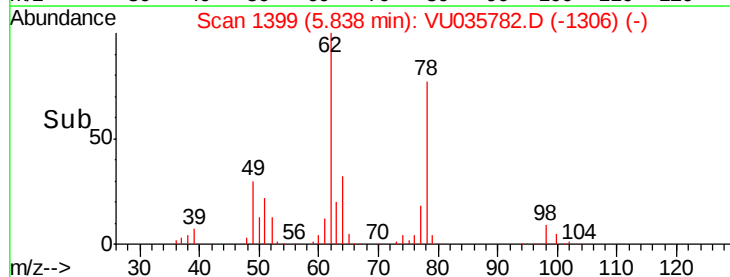
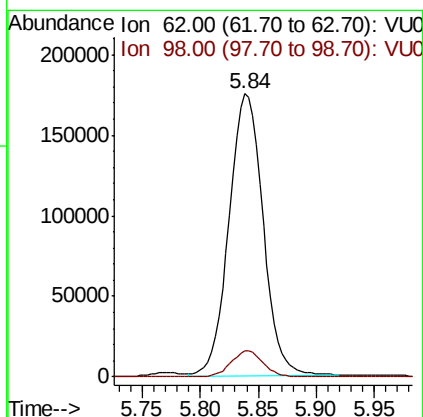
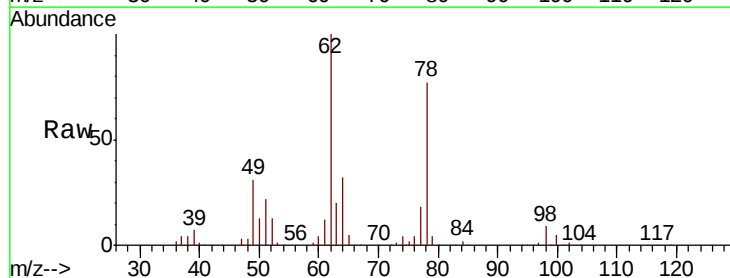
Instrument :
MSVOA_U
ClientSampled :

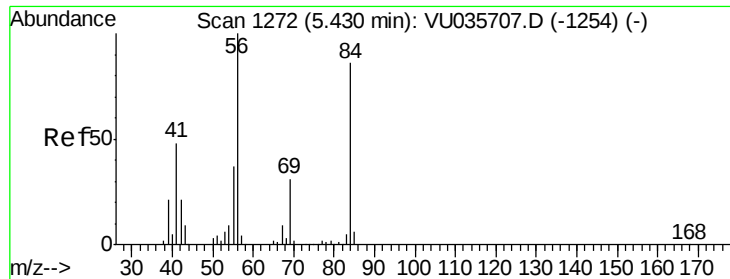
Tot Ion: 83 Resp: 461195
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 58.304 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion: 62 Resp: 357740
Ion Ratio Lower Upper
62 100
98 9.2 8.2 12.2

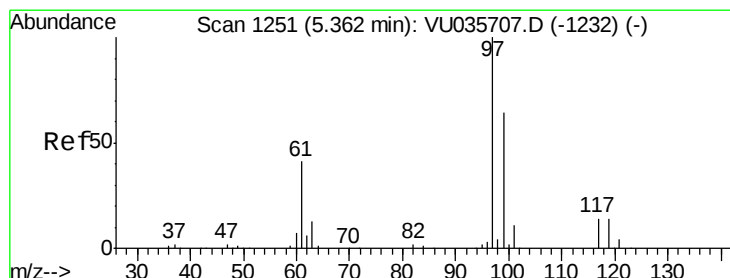
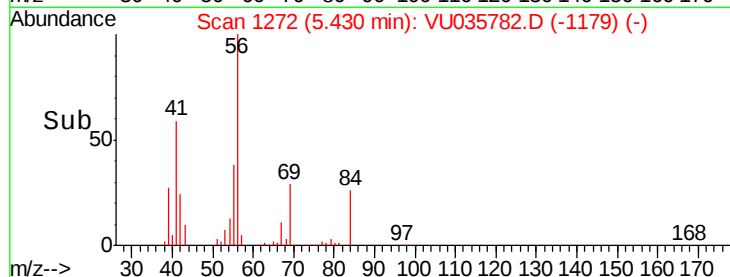
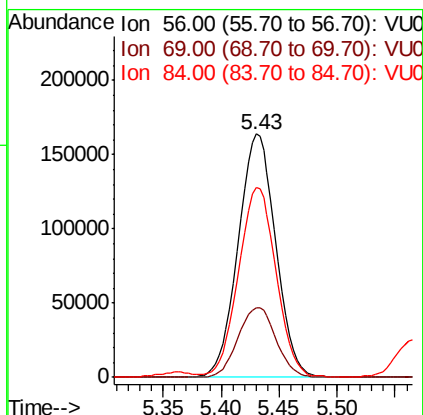
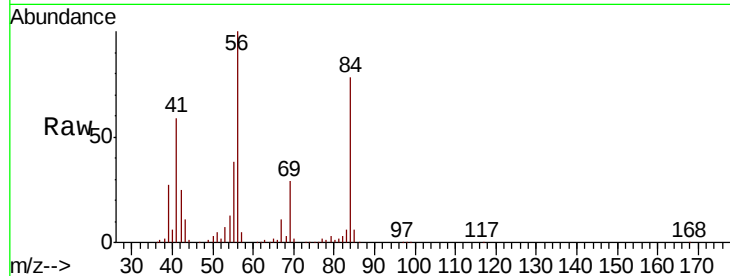




#29
Cyclohexane
Concen: 54.712 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

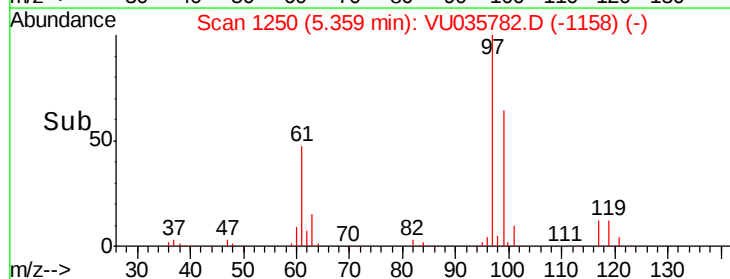
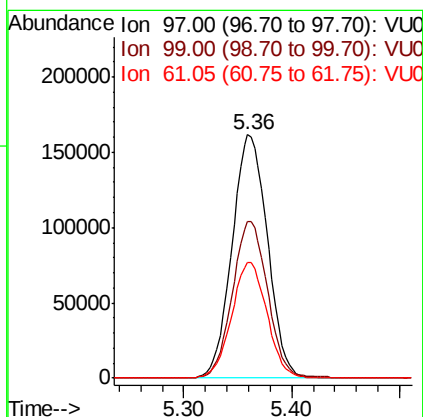
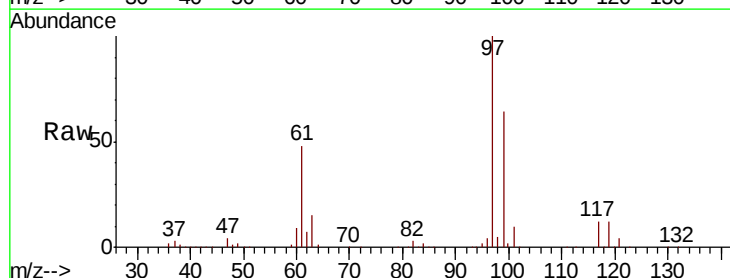
Instrument :
MSVOA_U
ClientSampleId :

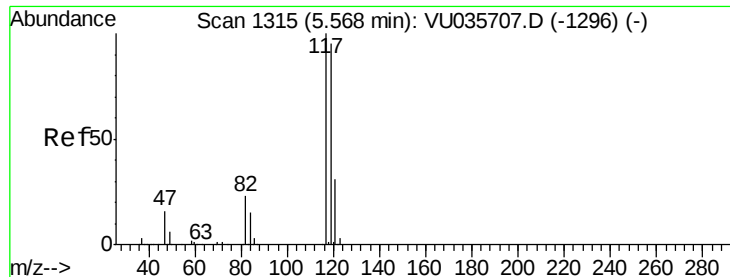
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.4	36.6
84	77.7	68.6	102.8



#30
1,1,1-Trichloroethane
Concen: 53.147 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	47.2	35.1	52.7

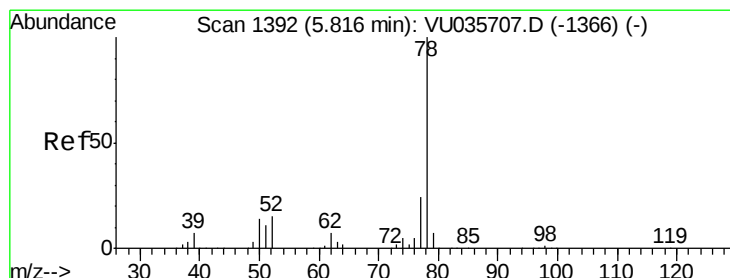
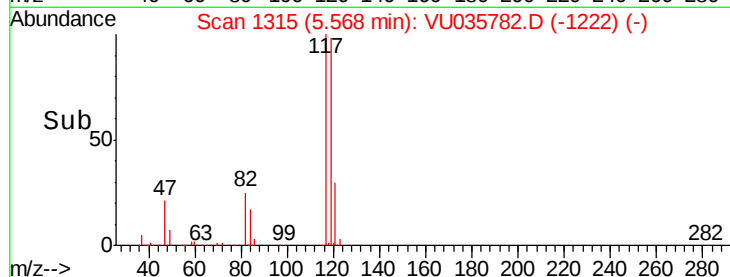
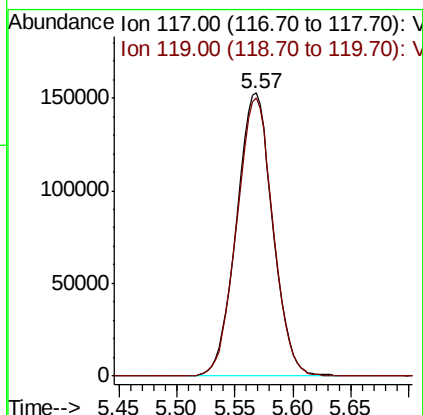
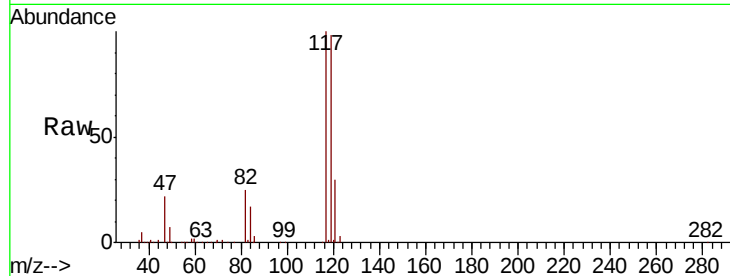




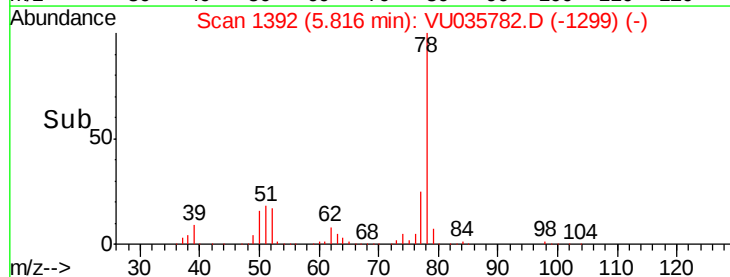
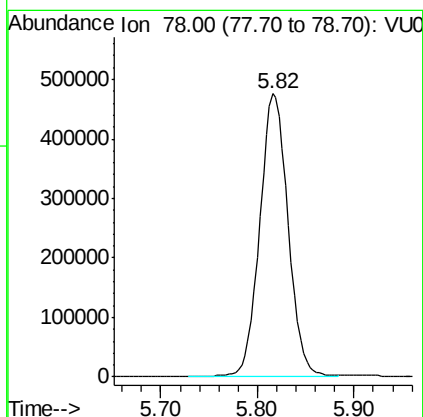
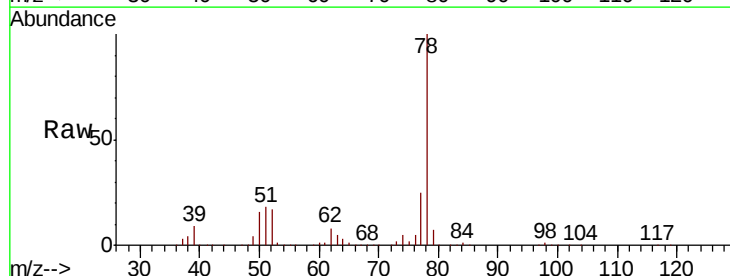
#31
Carbon tetrachloride
Concen: 53.456 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

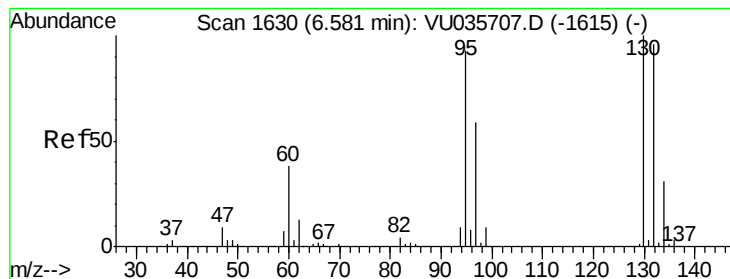
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 330898
Ion Ratio Lower Upper
117 100
119 98.4 77.4 116.2



#33
Benzene
Concen: 52.106 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03
Tgt Ion: 78 Resp: 969944





#34

Trichloroethene

Concen: 50.672 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 239800

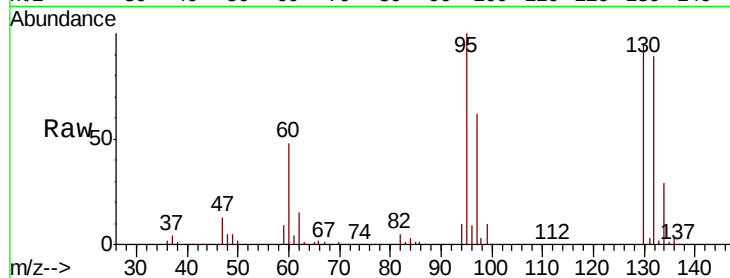
Ion Ratio Lower Upper

95 100

97 62.4 45.6 84.6

132 89.3 69.9 129.7

130 94.5 73.1 135.7

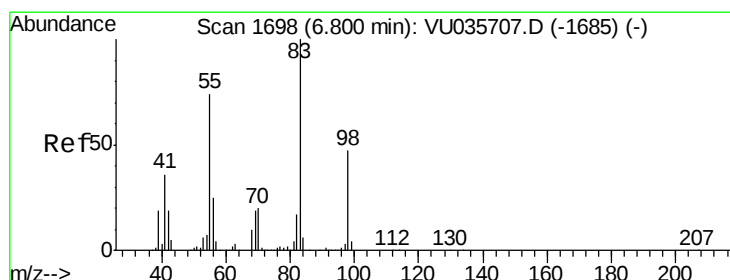
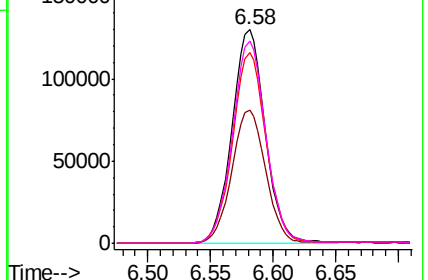
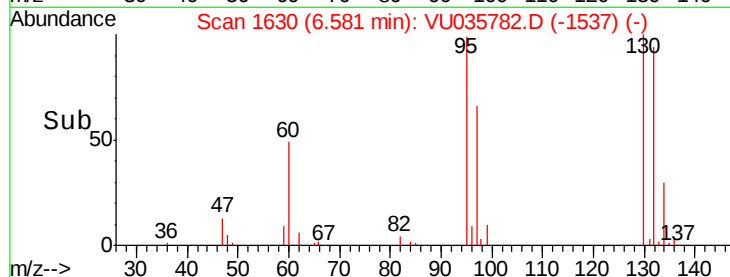


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.968 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

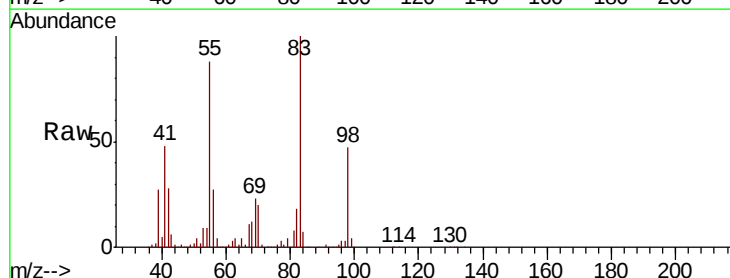
Tgt Ion: 83 Resp: 350303

Ion Ratio Lower Upper

83 100

55 84.3 61.0 91.4

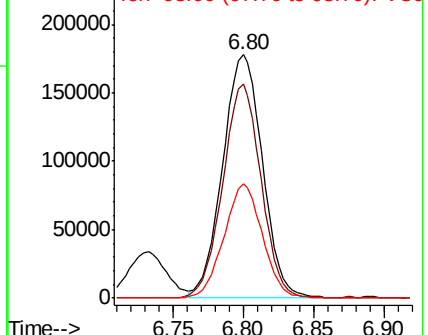
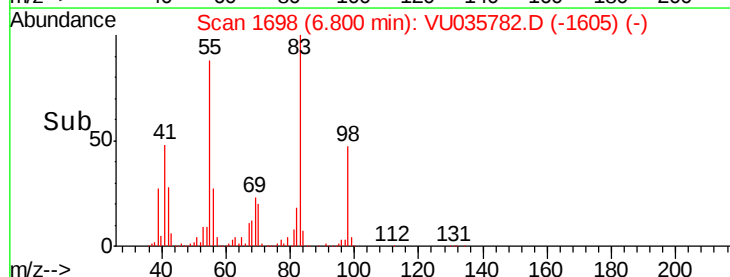
98 45.3 36.6 54.8

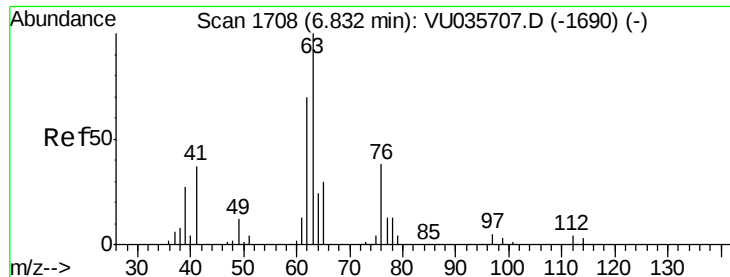


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

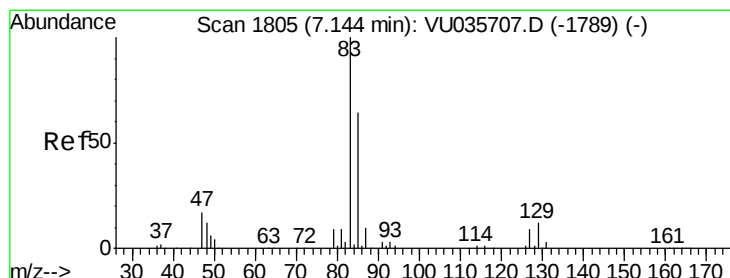
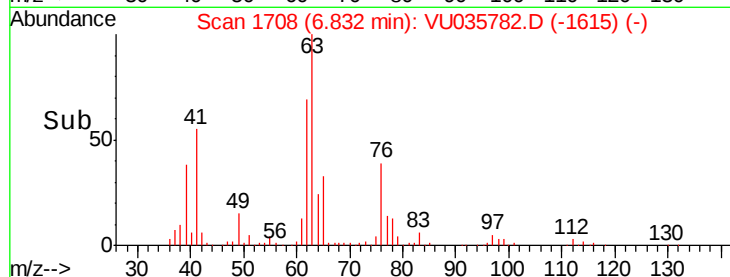
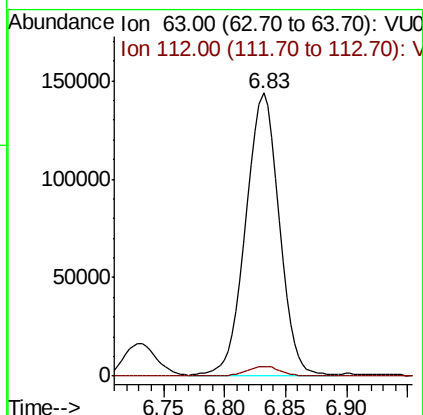
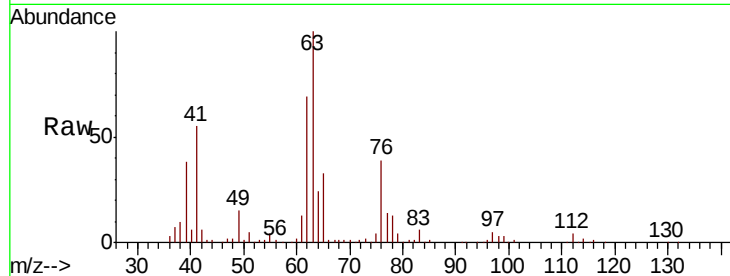




#37
 1,2-Dichloropropane
 Concen: 54.676 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

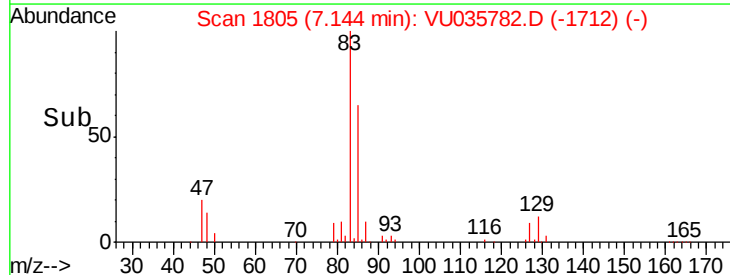
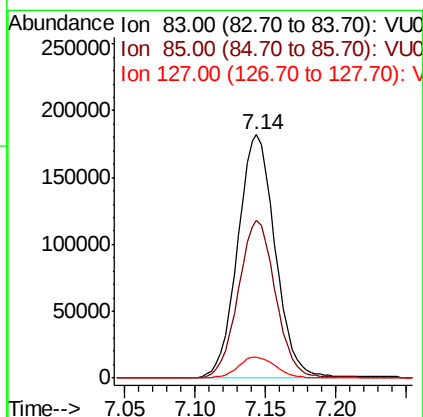
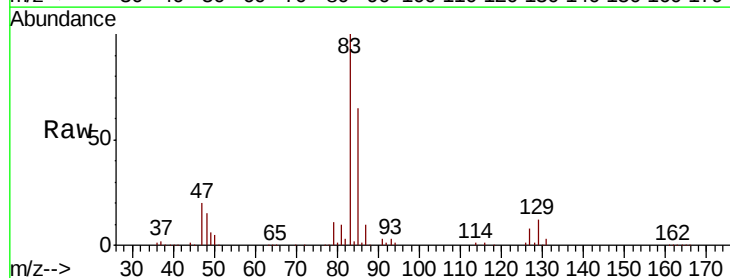
Instrument :
 MSVOA_U
 ClientSampleId :

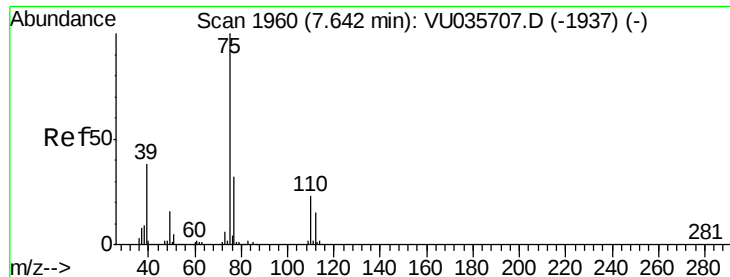
Tot Ion: 63 Resp: 272558
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.2 4.8



#38
 Bromodichloromethane
 Concen: 53.198 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Tgt Ion: 83 Resp: 337073
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.7
 127 8.4 7.2 10.8



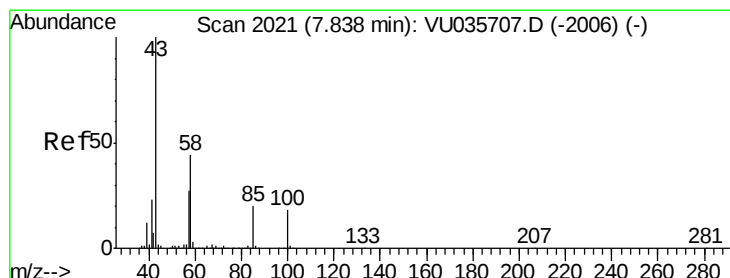
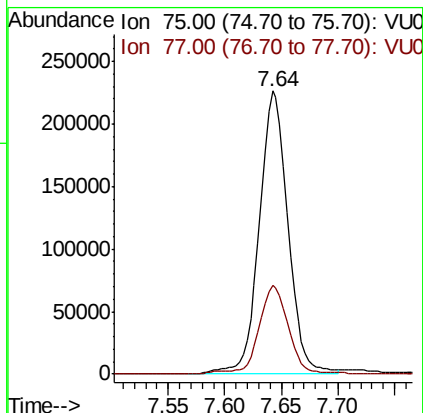
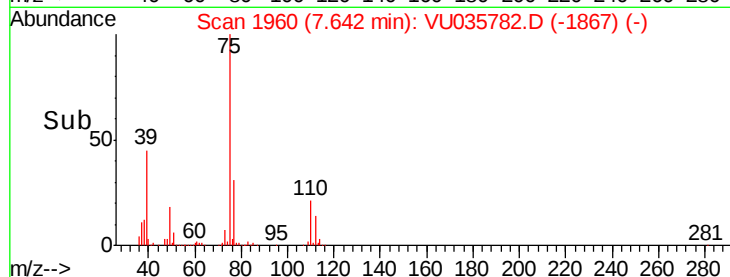
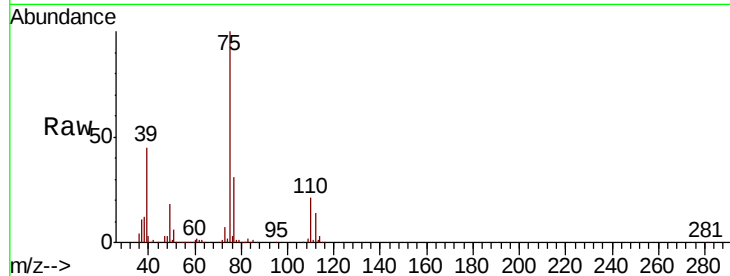


#39

cis-1,3-Dichloropropene
 Concen: 54.096 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :

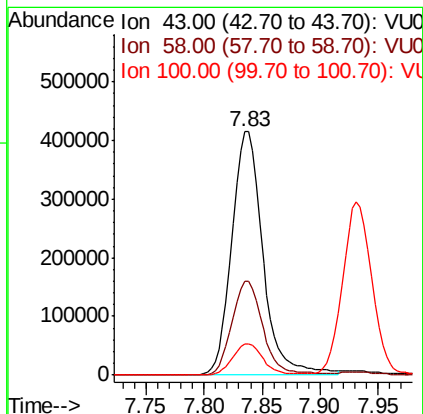
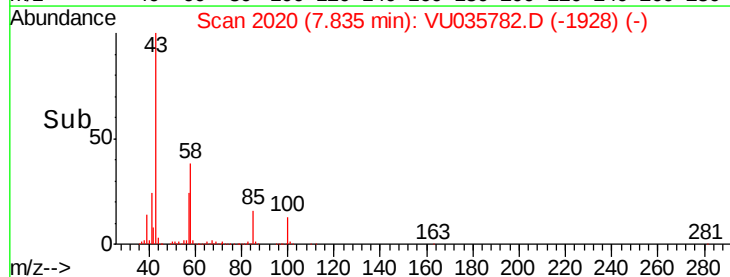
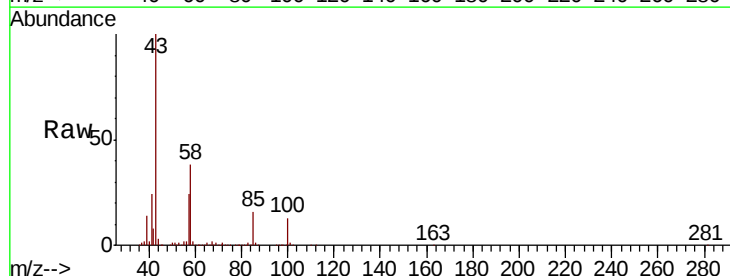
Tot Ion: 75 Resp: 400827
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5

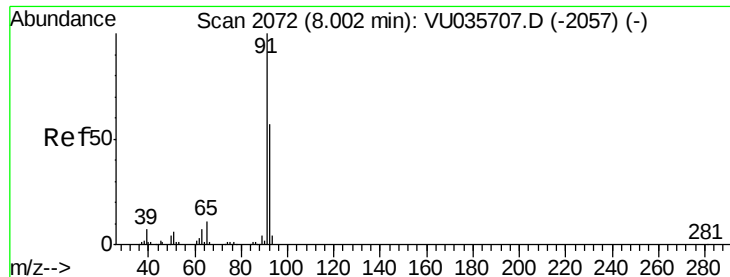


#40

4-Methyl-2-pentanone
 Concen: 115.619 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Tgt Ion: 43 Resp: 771056
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.6 49.0
 100 12.9 12.6 19.0





#42

Toluene

Concen: 53.824 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

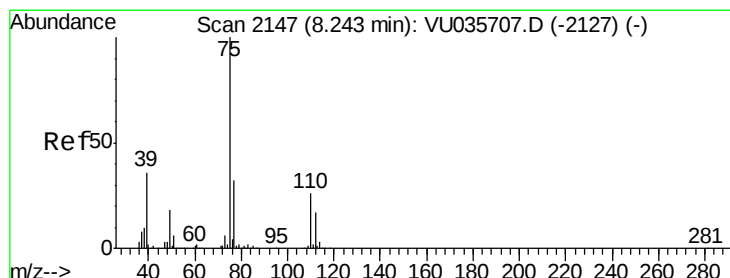
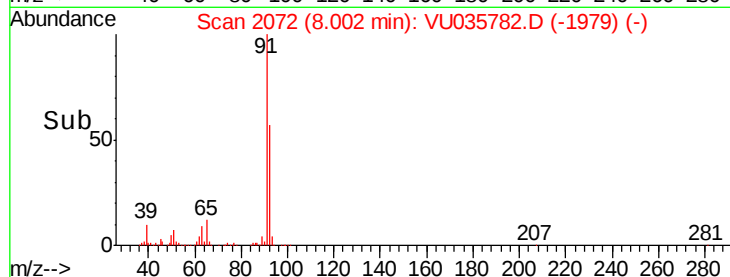
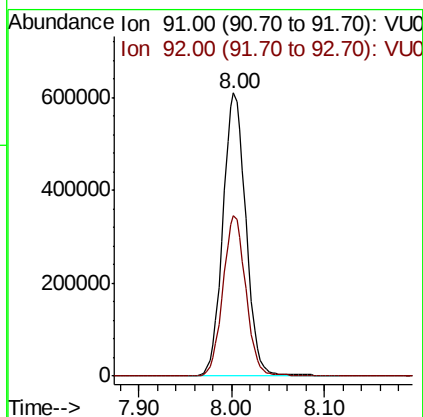
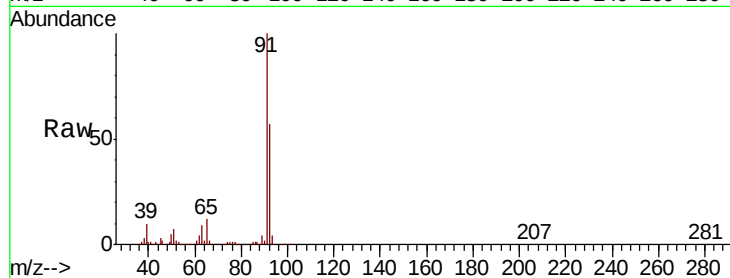
ClientSampleId :

Tot Ion: 91 Resp: 1050110

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 53.294 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035782.D

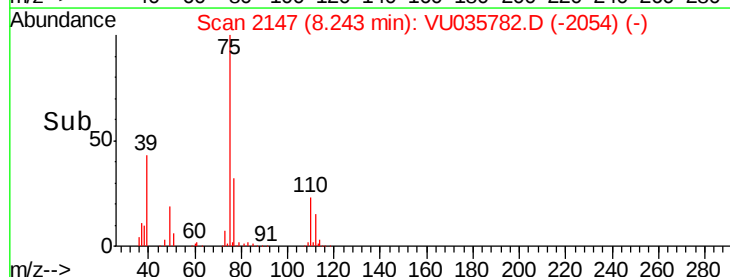
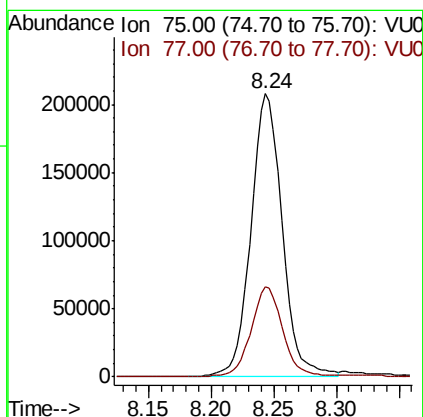
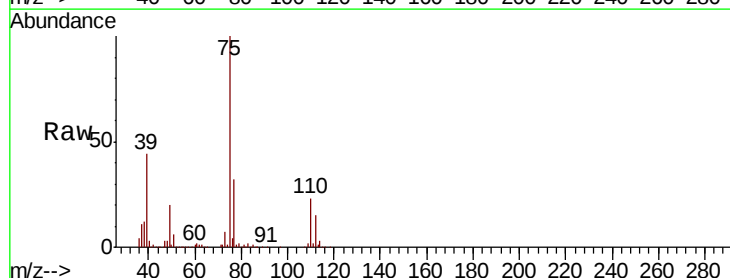
Acq: 20 Nov 2019 12:03

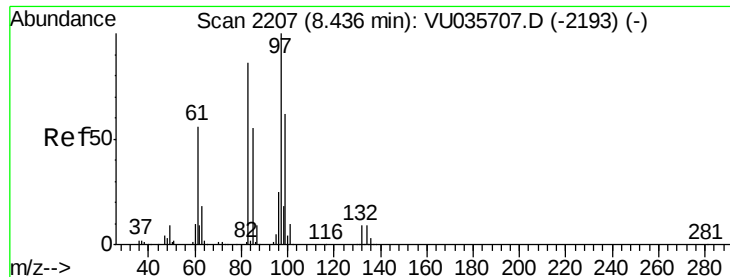
Tgt Ion: 75 Resp: 361966

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1

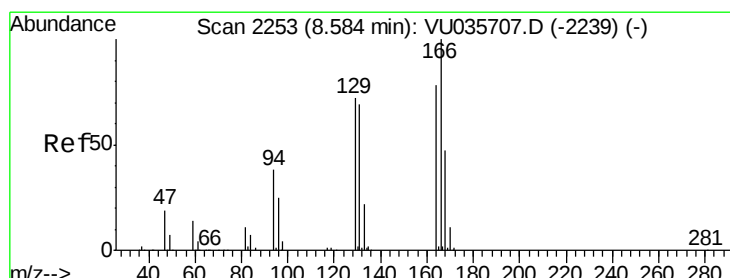
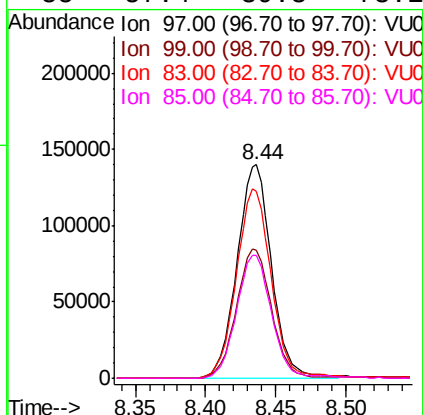
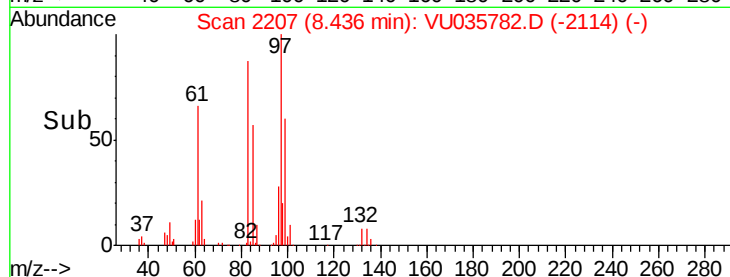
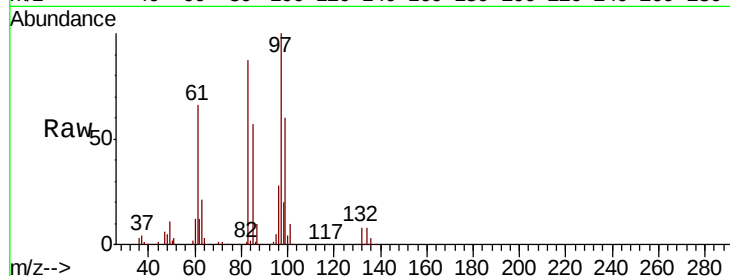




#45
 1,1,2-Trichloroethane
 Concen: 50.153 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

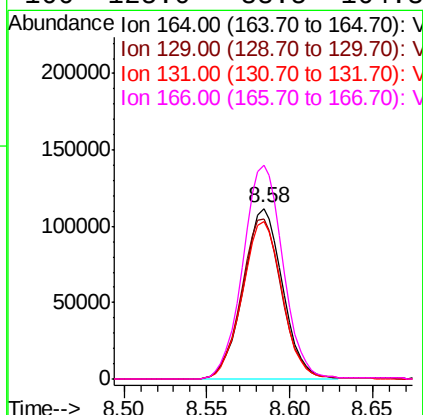
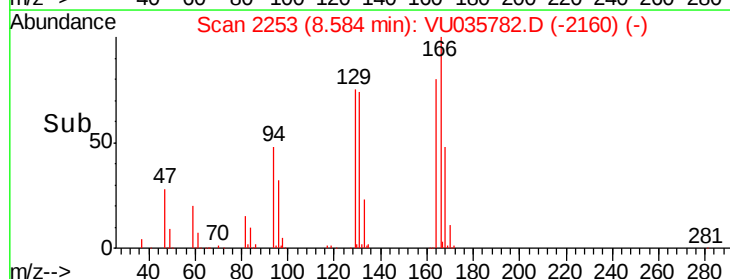
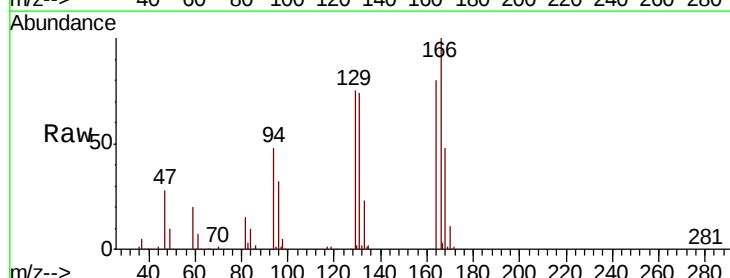
Instrument :
 MSVOA_U
 ClientSampleId :

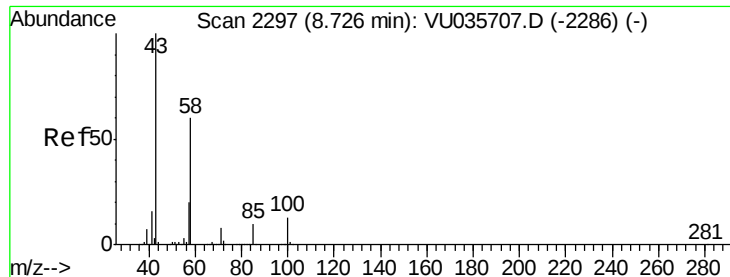
Tot Ion:	97	Resp:	239636
Ion	Ratio	Lower	Upper
97	100		
99	59.8	44.2	82.2
83	87.4	61.5	114.3
85	57.4	39.3	73.1



#46
 Tetrachloroethene
 Concen: 46.474 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Tgt Ion:	164	Resp:	183901
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.1	119.1
131	91.9	63.1	117.1
166	125.0	88.5	164.3

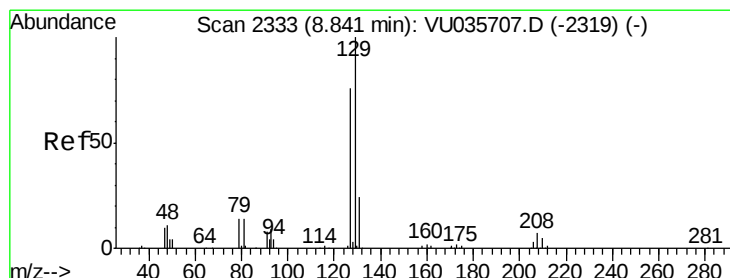
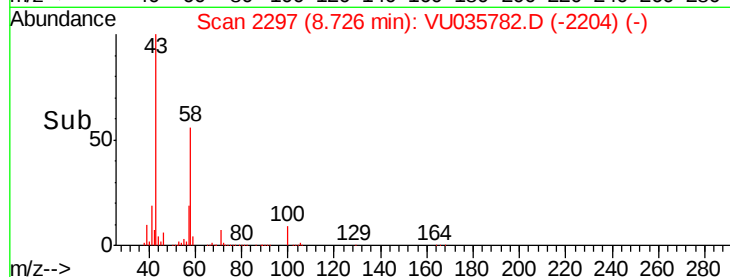
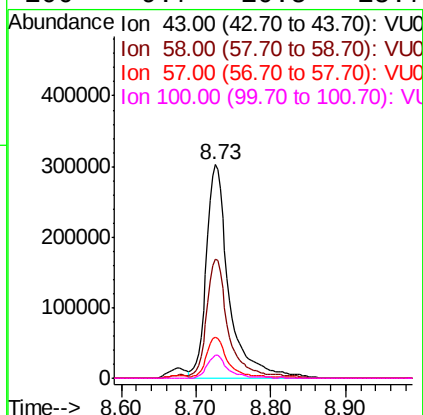
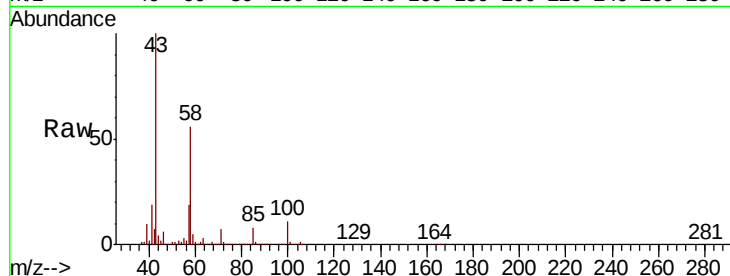




#48
2-Hexanone
Concen: 117.574 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

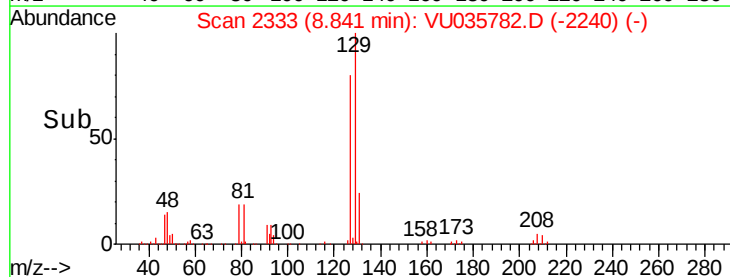
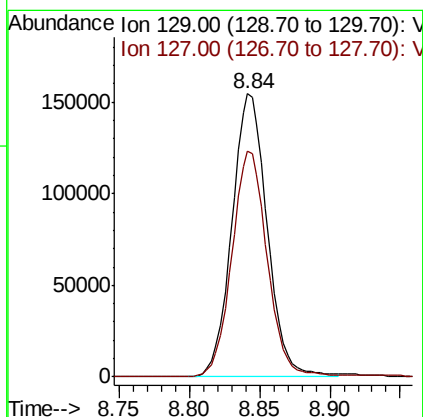
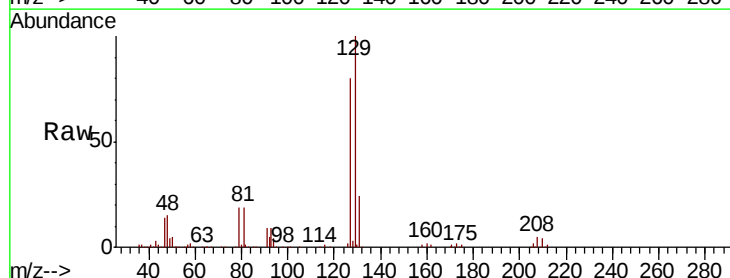
Instrument :
MSVOA_U
ClientSampleId :

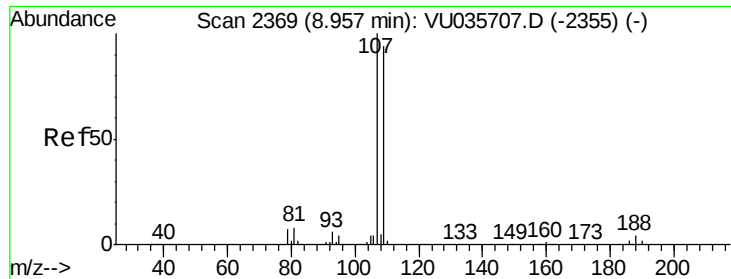
Tot Ion: 43 Resp: 637630
Ion Ratio Lower Upper
43 100
58 54.6 50.4 75.6
57 18.1 17.4 26.0
100 9.7 10.5 15.7#



#49
Dibromochloromethane
Concen: 50.246 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion: 129 Resp: 270740
Ion Ratio Lower Upper
129 100
127 79.6 54.9 101.9

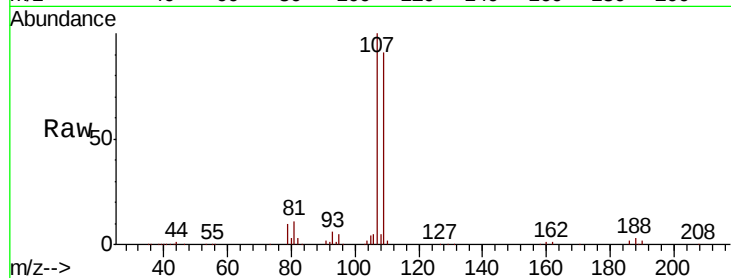




#50
1,2-Dibromoethane
Concen: 49.353 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	66.8	124.2
188	3.2	3.2	4.8

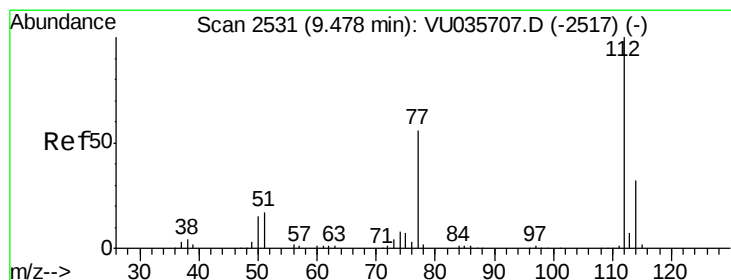
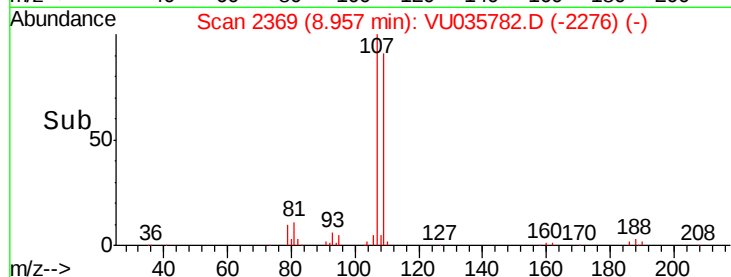
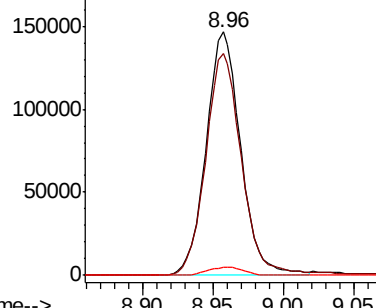


Abundance

Ion 107.00 (106.70 to 107.70): V

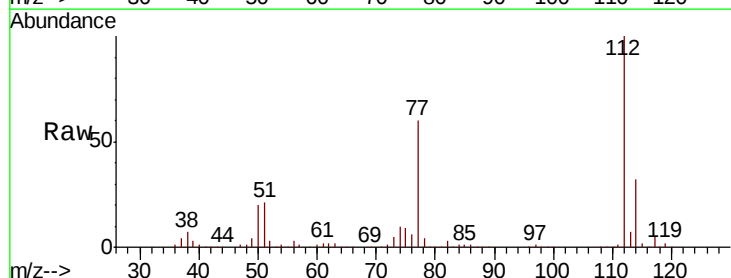
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 49.199 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	60.3	45.9	68.9

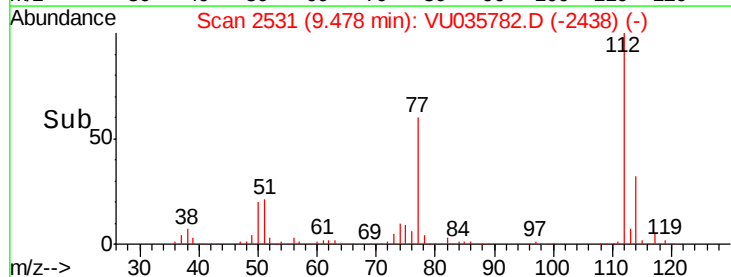
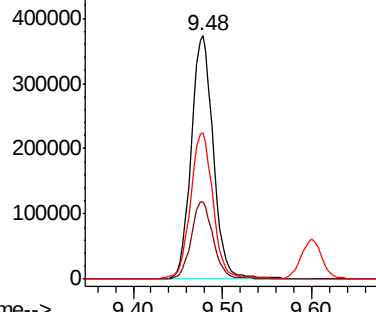


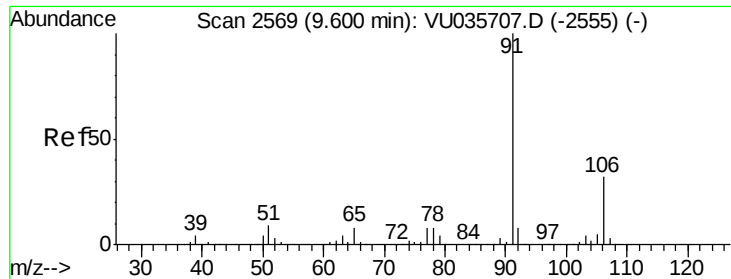
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 53.242 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

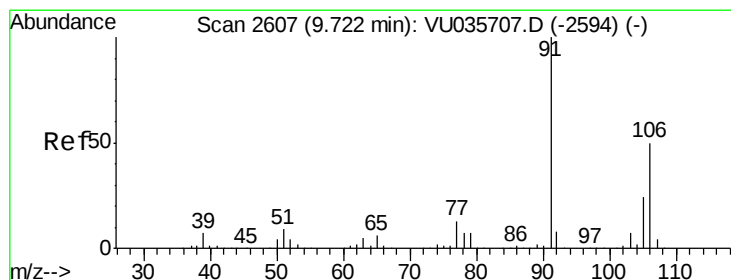
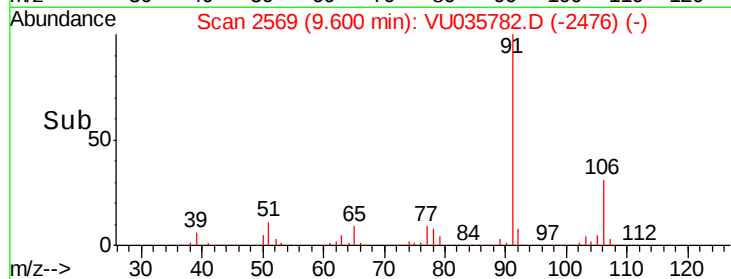
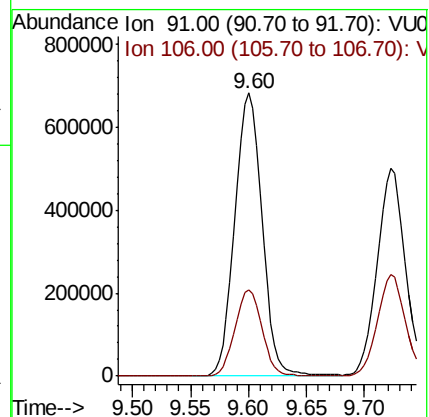
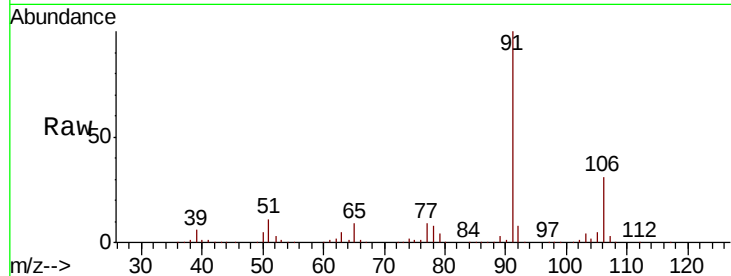
ClientSampleId :

Tot Ion: 91 Resp: 1110480

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



#53

m,p-Xylene

Concen: 52.621 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035782.D

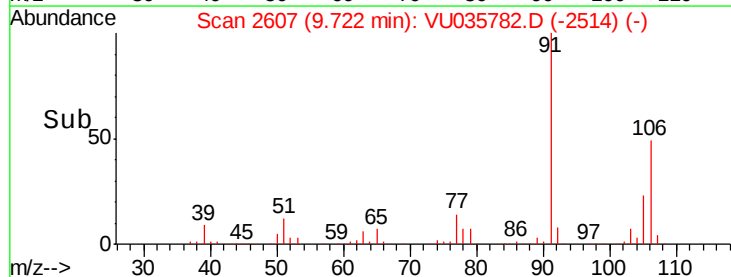
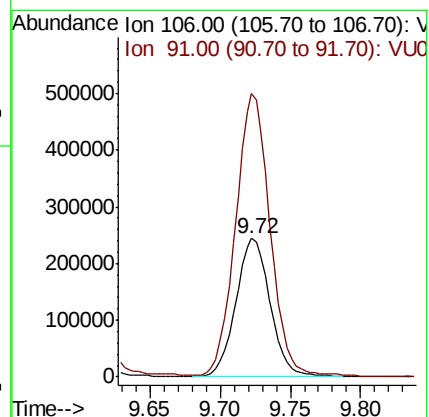
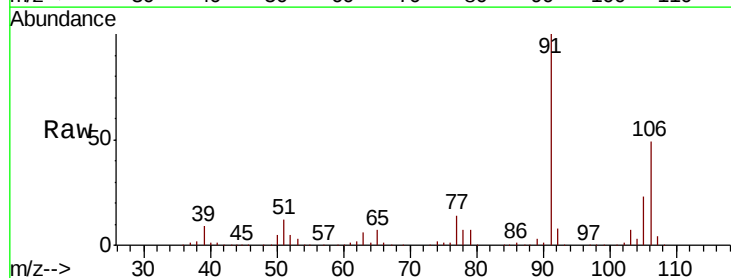
Acq: 20 Nov 2019 12:03

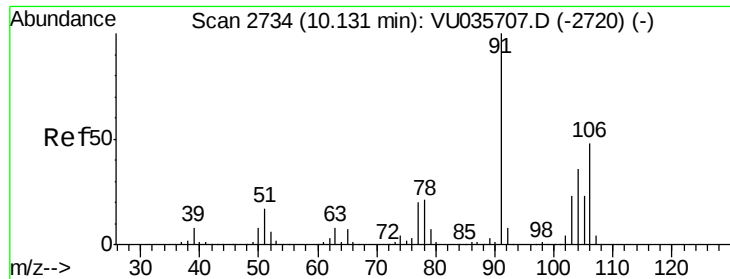
Tgt Ion: 106 Resp: 411833

Ion Ratio Lower Upper

106 100

91 204.9 142.7 264.9





#54

o-xylene

Concen: 52.072 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

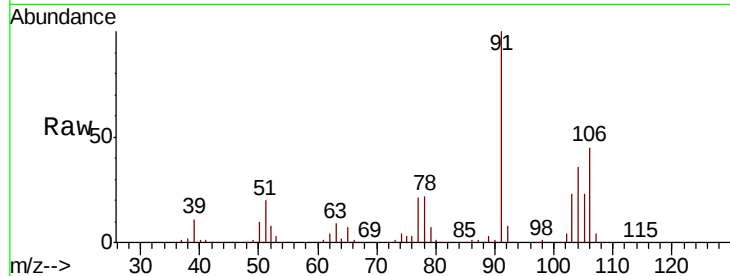
ClientSampled :

Tot Ion:106 Resp: 398320

Ion Ratio Lower Upper

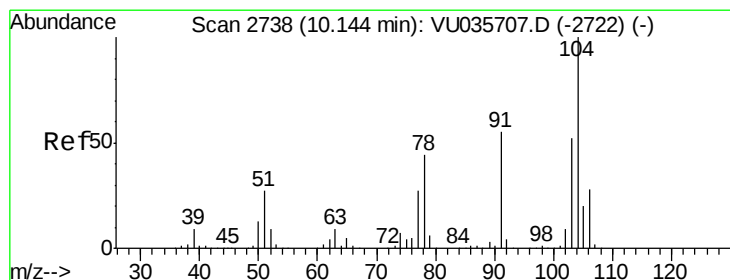
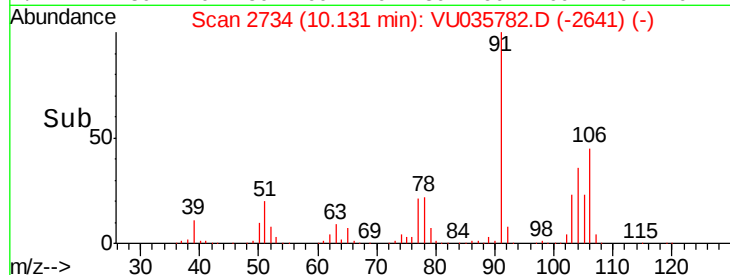
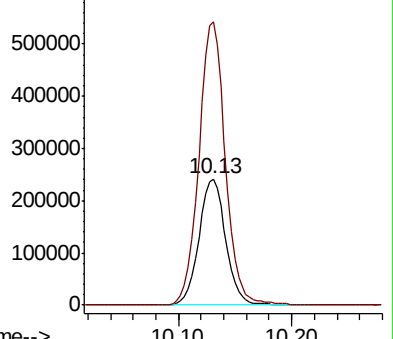
106 100

91 224.5 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.675 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035782.D

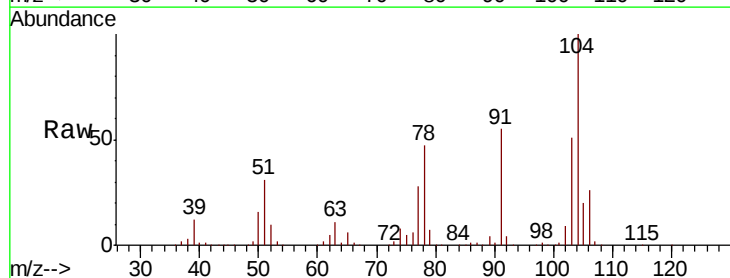
Acq: 20 Nov 2019 12:03

Tgt Ion:104 Resp: 681399

Ion Ratio Lower Upper

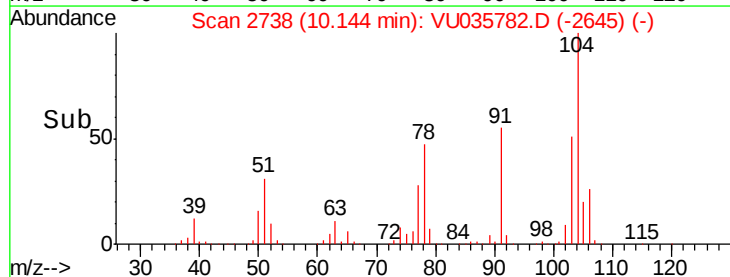
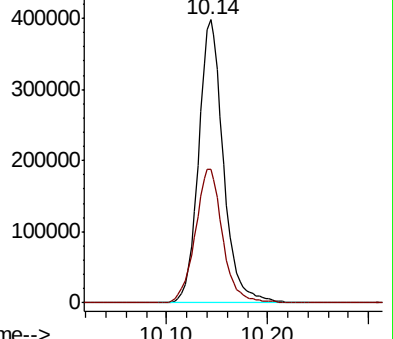
104 100

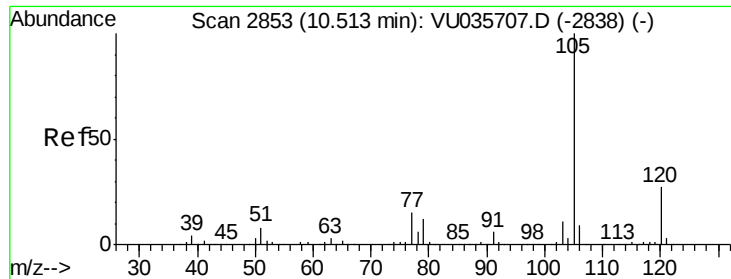
78 47.0 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.174 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

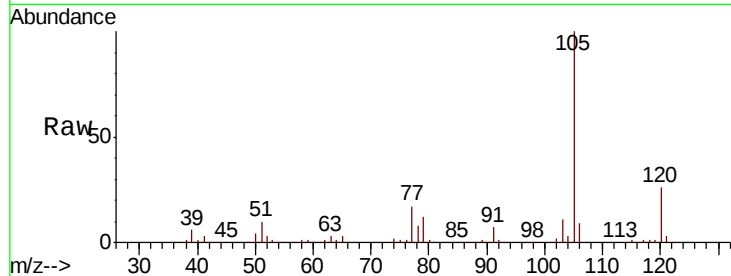
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:105 Resp: 1022148

Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.1	31.7
77	16.6	12.2	18.4

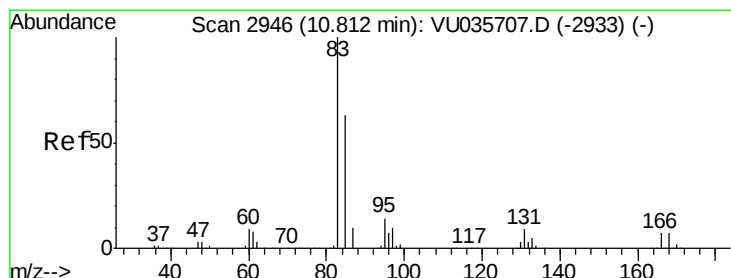
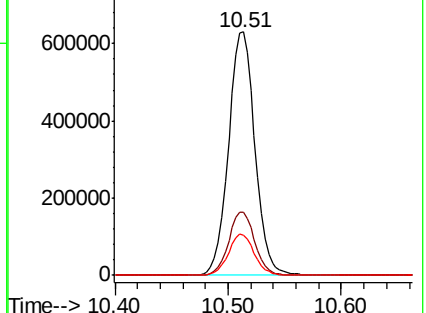
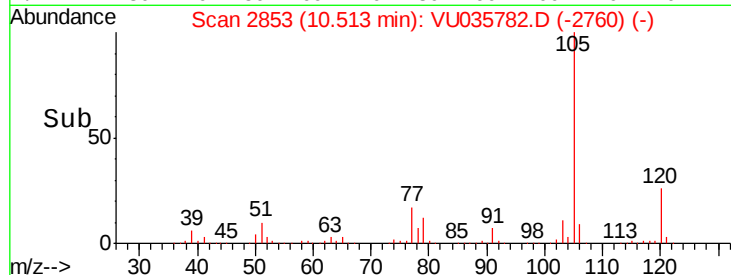


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.008 ug/L

RT: 10.81 min Scan# 2945

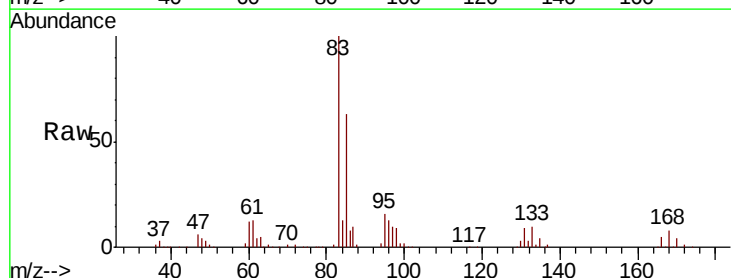
Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Tgt Ion: 83 Resp: 428026

Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.6	82.8
131	9.4	8.2	12.4

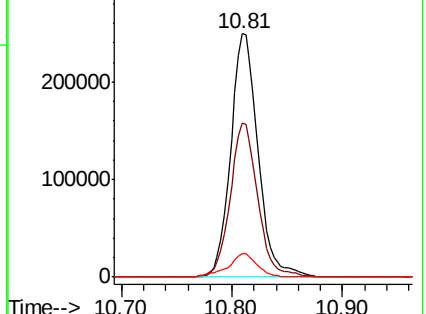
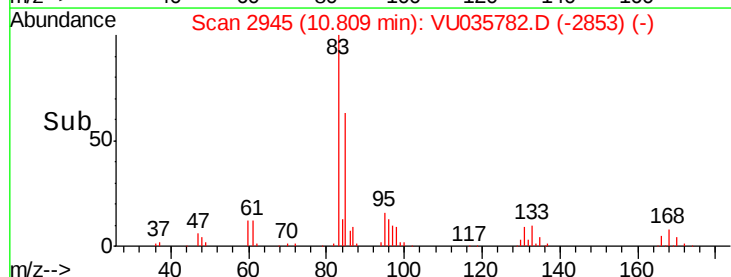


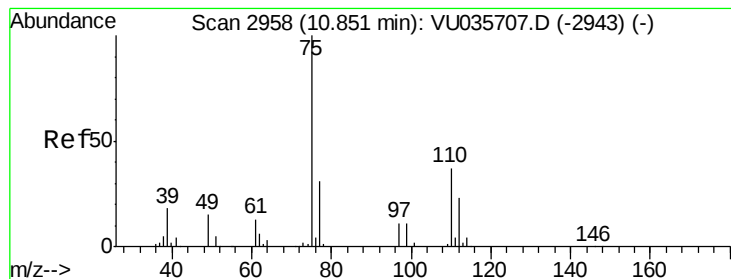
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.638 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

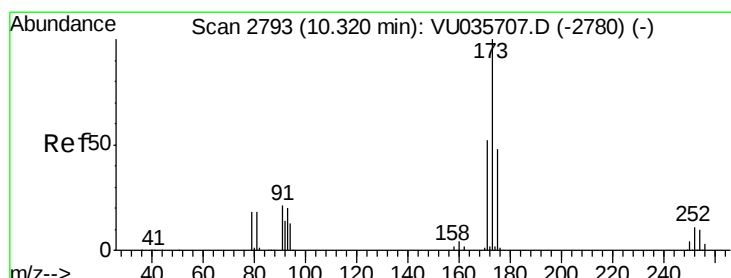
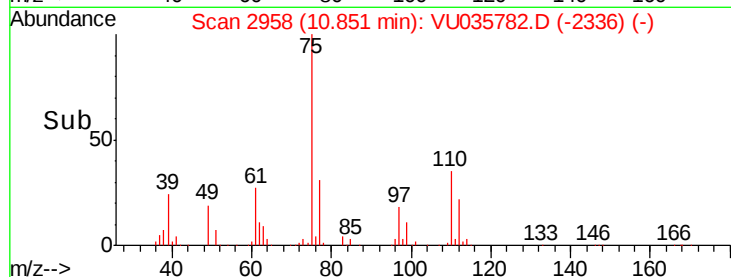
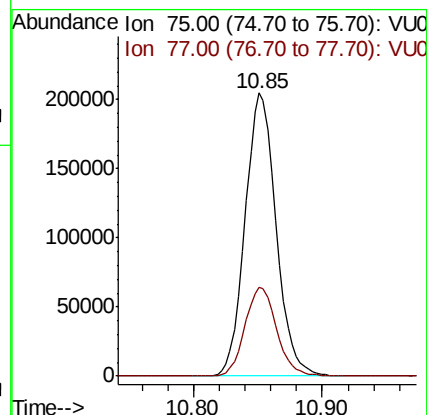
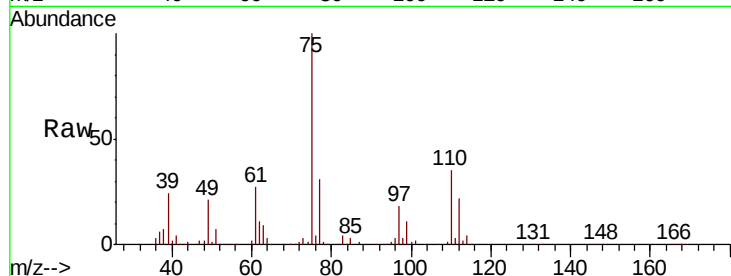
ClientSampleId :

Tot Ion: 75 Resp: 342140

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 44.578 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

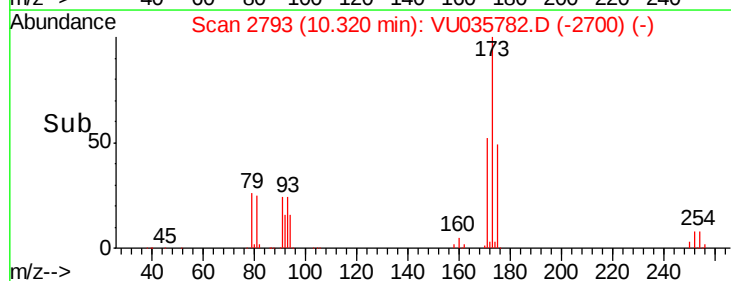
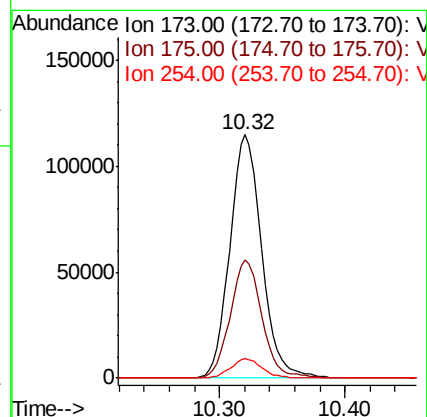
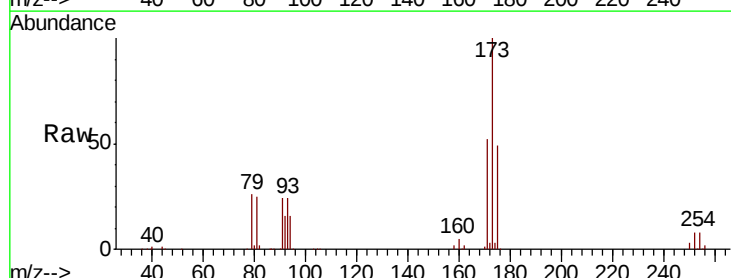
Tgt Ion: 173 Resp: 202333

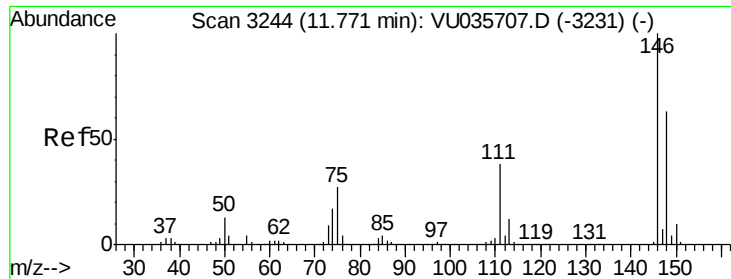
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 7.8 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 47.680 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

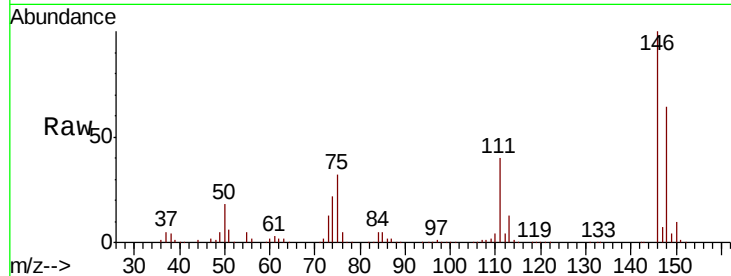
Tot Ion:146 Resp: 447499

Ion Ratio Lower Upper

146 100

111 40.5 27.8 51.6

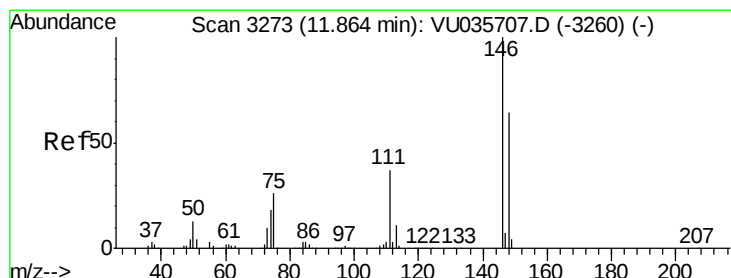
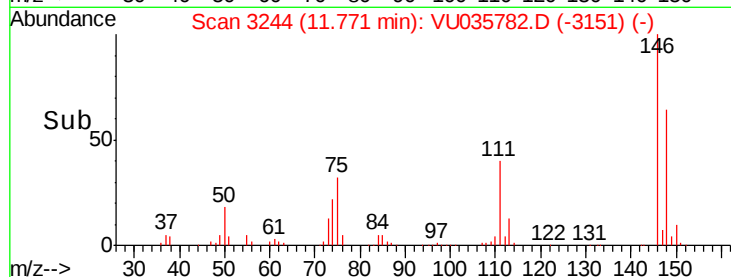
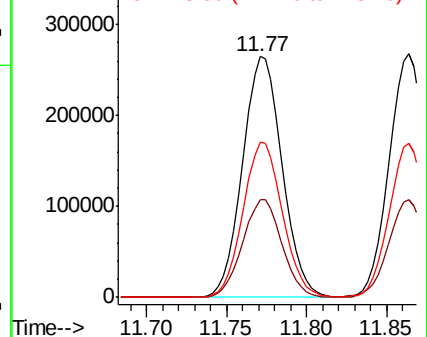
148 64.3 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.498 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035782.D

Acq: 20 Nov 2019 12:03

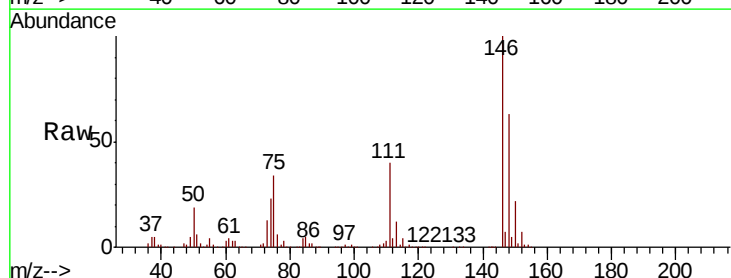
Tgt Ion:146 Resp: 443339

Ion Ratio Lower Upper

146 100

111 39.9 26.5 49.1

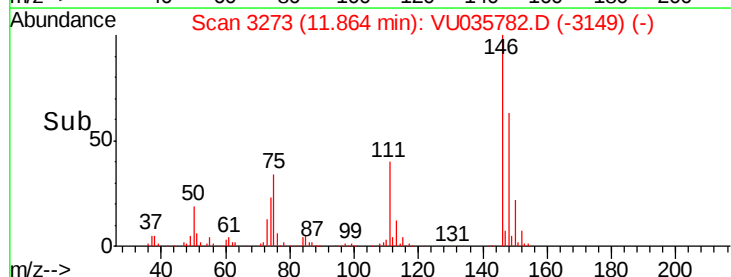
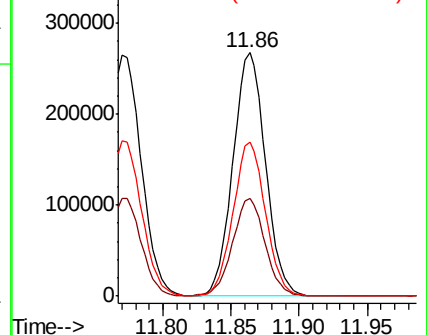
148 63.4 44.4 82.5

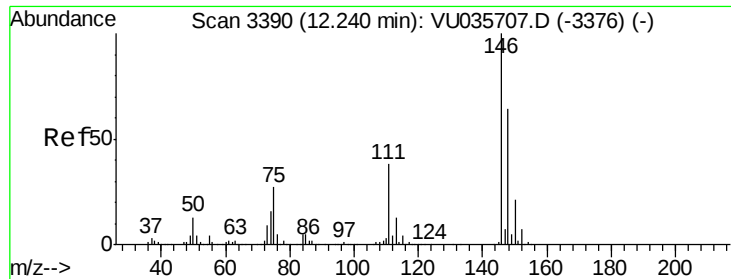


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

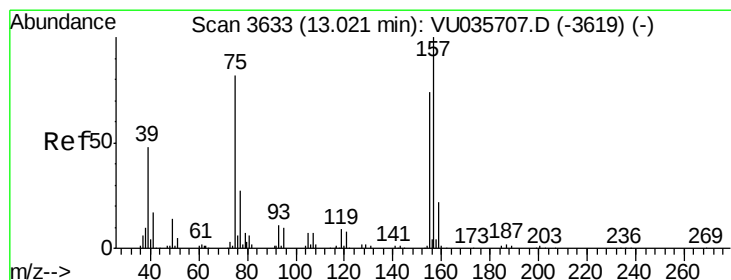
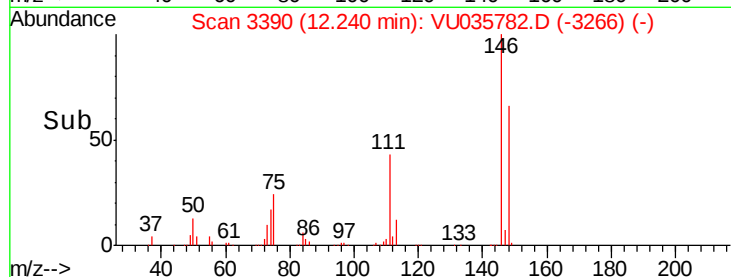
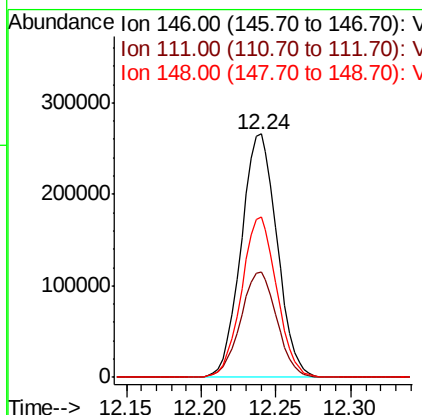
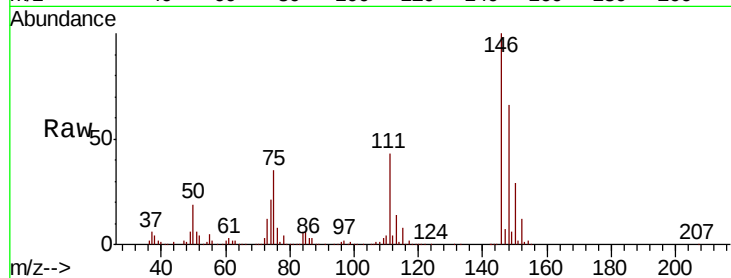




#65
 1,2-Dichlorobenzene
 Concen: 46.445 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

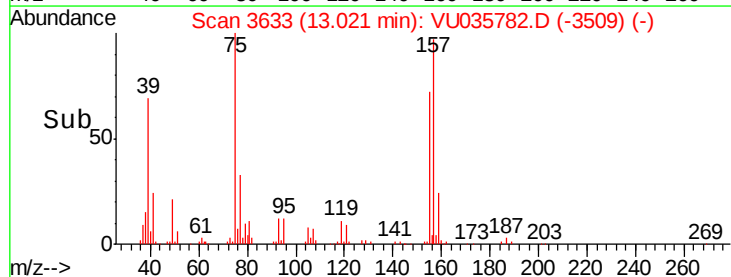
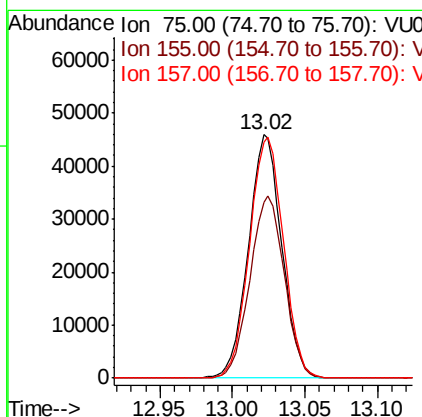
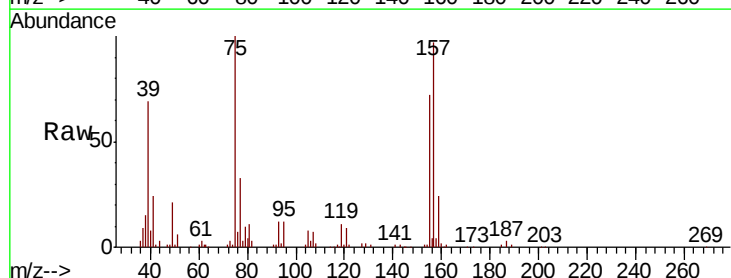
Instrument :
 MSVOA_U
 ClientSampleId :

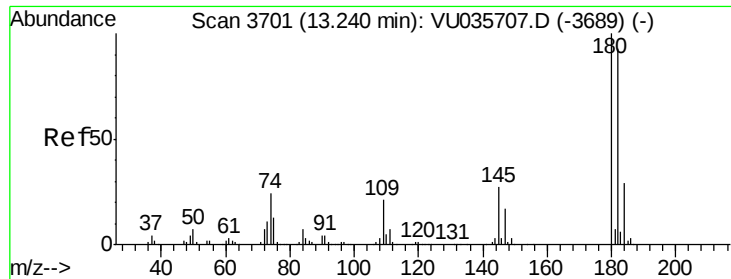
Tot Ion:146 Resp: 443785
 Ion Ratio Lower Upper
 146 100
 111 43.4 32.4 48.6
 148 65.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.667 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Tgt Ion: 75 Resp: 73580
 Ion Ratio Lower Upper
 75 100
 155 72.0 72.2 108.4#
 157 97.1 92.1 138.1

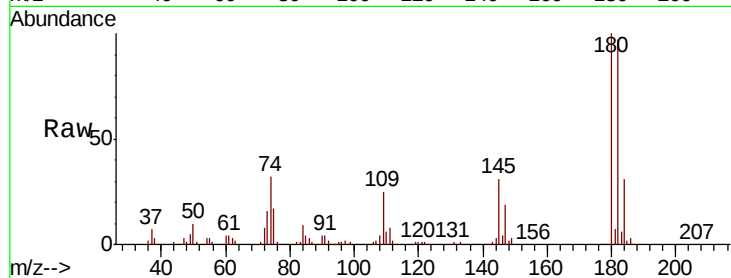




#67
 1,3,5-Trichlorobenzene
 Concen: 42.442 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	230132
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
184	30.2	24.6	36.8
145	30.8	21.7	32.5



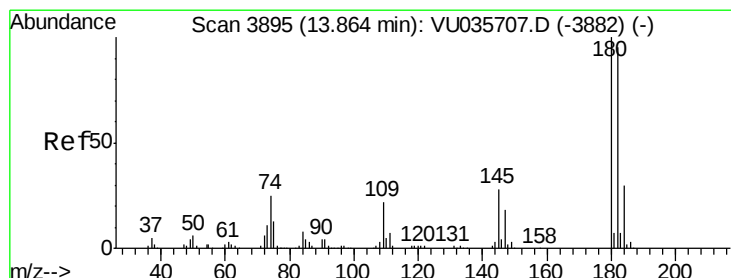
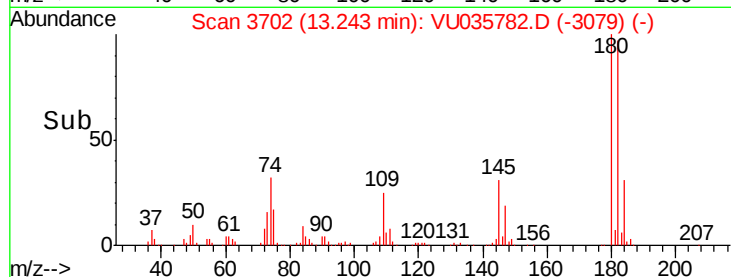
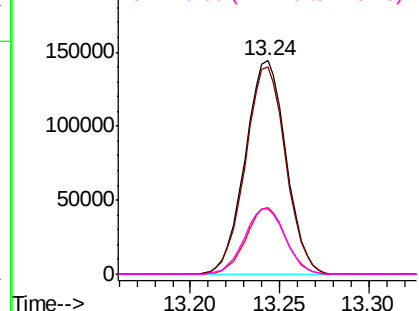
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

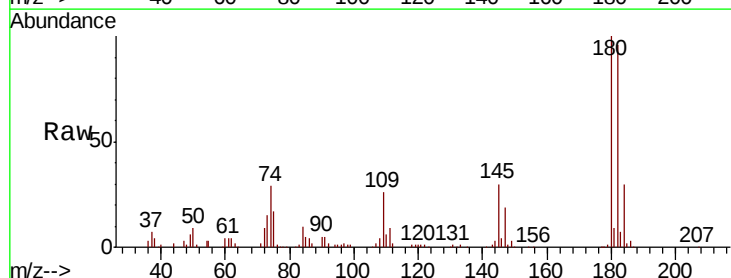
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 36.905 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035782.D
 Acq: 20 Nov 2019 12:03

Tgt Ion:	180	Resp:	134048
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	30.2	21.9	32.9

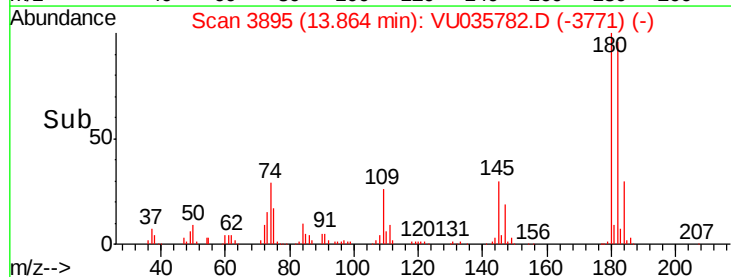
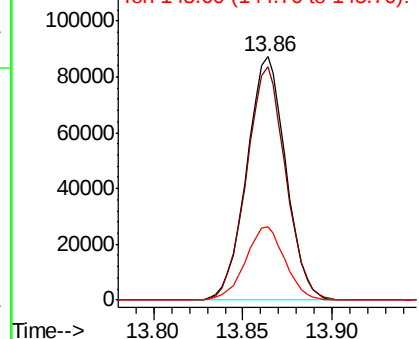


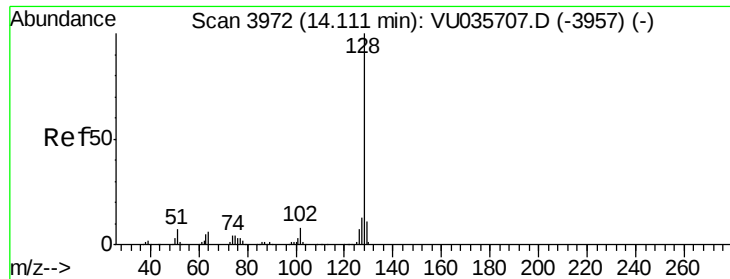
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

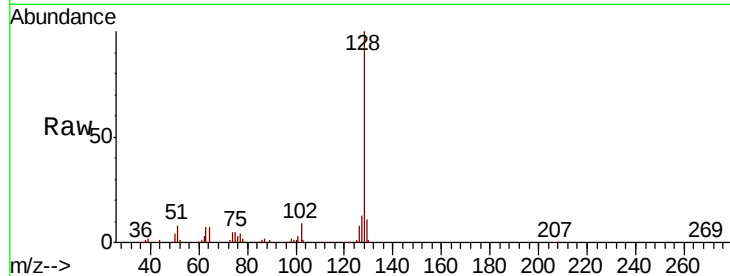




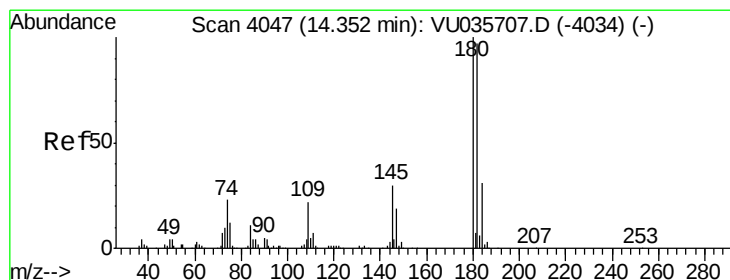
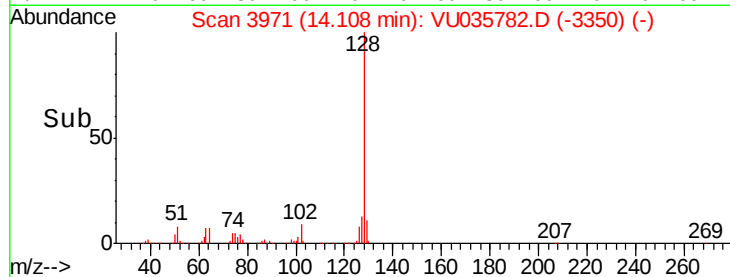
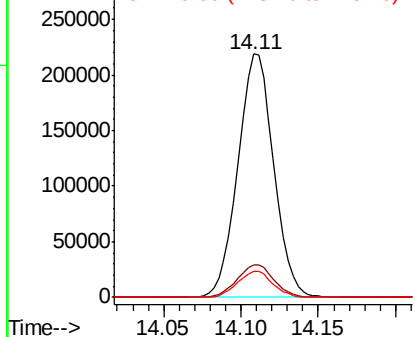
#69
Naphthalene
Concen: 37.710 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 351320
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.6 8.5 12.7

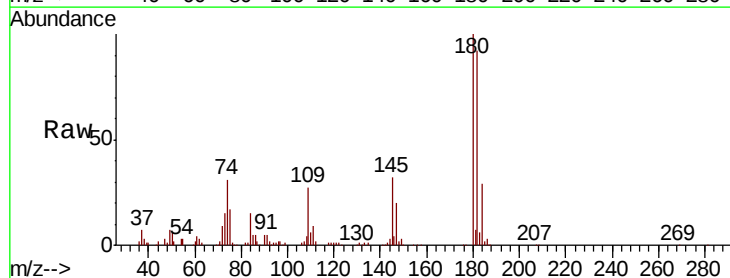


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 37.226 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035782.D
Acq: 20 Nov 2019 12:03

Tgt Ion:180 Resp: 145686
Ion Ratio Lower Upper
180 100
182 94.1 77.6 116.4
145 31.9 23.4 35.0



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

