

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112520\
 Data File : VU041432.D
 Acq On : 25 Nov 2020 15:12
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Quant Time: Nov 26 06:53:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:51:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	65458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69474	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	36828	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29088	5.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.80%
7) Chloroethane-d5	1.92	69	20123	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.58	65	12927	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.00%
20) 2-Butanone-d5	4.65	46	62124	46.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.62%
24) Chloroform-d	5.08	84	54680	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.72	65	33038	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	94332	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.70	67	28172	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.91	98	90266	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	8.19	79	15134	5.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.20%
46) 2-Hexanone-d5	8.64	63	58450	56.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.90%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	26859	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	36422	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	42040	5.459 ug/L	99
3) Chloromethane	1.53	50	32730	5.206 ug/L	99
5) Vinyl chloride	1.61	62	32947	5.481 ug/L	96
6) Bromomethane	1.87	94	17592	5.434 ug/L	96
8) Chloroethane	1.94	64	19950	5.264 ug/L	96
9) Trichlorofluoromethane	2.15	101	57867	5.412 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	26864	5.271 ug/L	99
12) 1,1-Dichloroethene	2.59	96	22963	5.294 ug/L #	85
13) Acetone	2.66	43	50179	48.001 ug/L	100
14) Carbon disulfide	2.81	76	64619	5.147 ug/L	98
15) Methyl Acetate	2.97	43	12026	5.598 ug/L	99
16) Methylene chloride	3.06	84	29241	4.483 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	65253	5.296 ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	23786	5.452 ug/L	98
19) 1,1-Dichloroethane	3.89	63	45642	5.174 ug/L	99
21) 2-Butanone	4.73	43	67152	45.323 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	25529	5.179 ug/L	94

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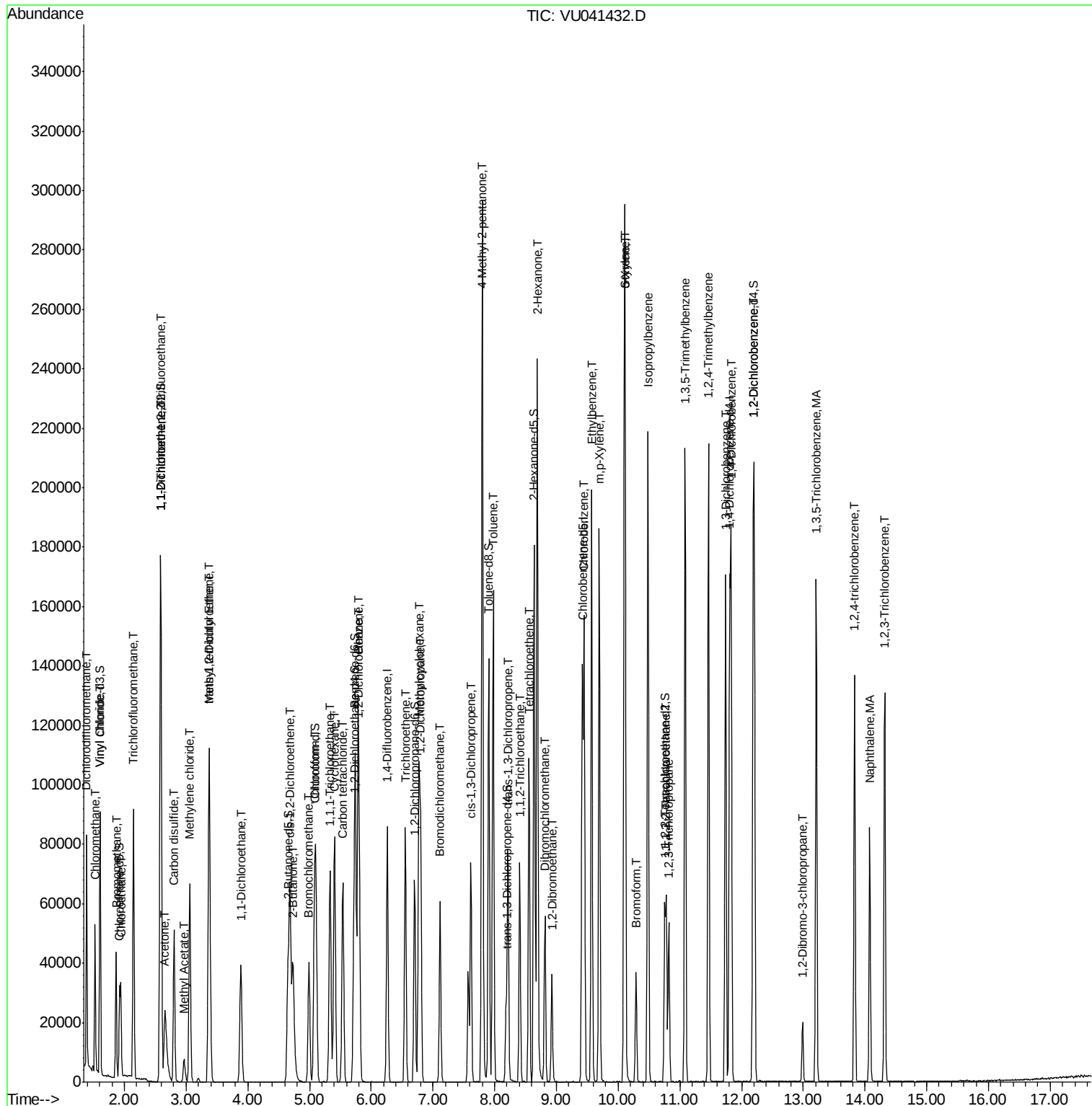
Quant Time: Nov 26 06:53:28 2020
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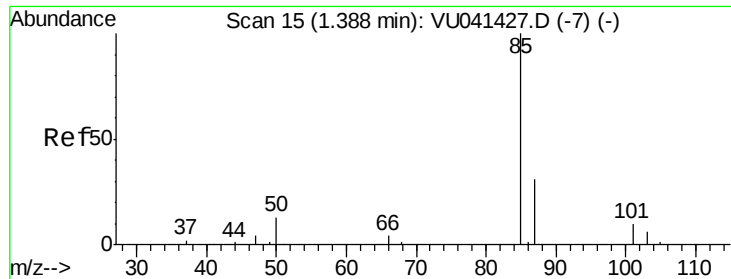
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13020	5.560	ug/L	92
25) Chloroform	5.11	83	52439	5.083	ug/L	98
27) 1,2-Dichloroethane	5.81	62	40905	5.438	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	52262	5.243	ug/L	98
30) Cyclohexane	5.40	56	37216	5.268	ug/L	99
31) Carbon tetrachloride	5.54	117	46898	5.218	ug/L	100
33) Benzene	5.79	78	102509	5.193	ug/L	100
34) Trichloroethene	6.55	95	28396	5.344	ug/L	97
35) Methylcyclohexane	6.77	83	38795	5.202	ug/L	99
37) 1,2-Dichloropropane	6.80	63	26737	5.302	ug/L	99
38) Bromodichloromethane	7.11	83	38297	4.878	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	39199	5.000	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	182992	51.806	ug/L	99
42) Toluene	7.97	91	113361	5.325	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	41079	5.435	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	21398	5.389	ug/L	93
47) Tetrachloroethene	8.56	164	22330	5.428	ug/L	97
48) 2-Hexanone	8.69	43	152798	56.534	ug/L	99
49) Dibromochloromethane	8.82	129	27998	5.295	ug/L	97
50) 1,2-Dibromoethane	8.93	107	20790	5.259	ug/L	93
51) Chlorobenzene	9.45	112	74824	5.280	ug/L	99
52) Ethylbenzene	9.57	91	127848	5.369	ug/L	100
53) m,p-Xylene	9.69	106	48565	5.639	ug/L	94
54) o-Xylene	10.10	106	46644	5.592	ug/L	98
55) Styrene	10.11	104	83196	5.674	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	27362	5.204	ug/L	99
59) Bromoform	10.29	173	15471	5.331	ug/L	99
60) Isopropylbenzene	10.48	105	129844	5.857	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	20902	5.348	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	108494	5.670	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	113027	5.714	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	64221	5.591	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	63935	5.423	ug/L	97
67) 1,2-Dichlorobenzene	12.21	146	60563	5.424	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	5611	5.526	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	47448	5.349	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	38862	5.221	ug/L	99
71) Naphthalene	14.08	128	64101	4.980	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	36892	5.304	ug/L	100

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

```
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QLast Update : Thu Nov 26 06:51:33 2020
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#2

Dichlorodifluoromethane

Concen: 5.459 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

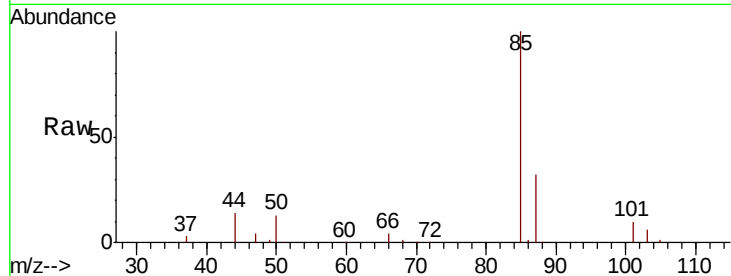
VICV102

Tot Ion: 85 Resp: 42040

Ion Ratio Lower Upper

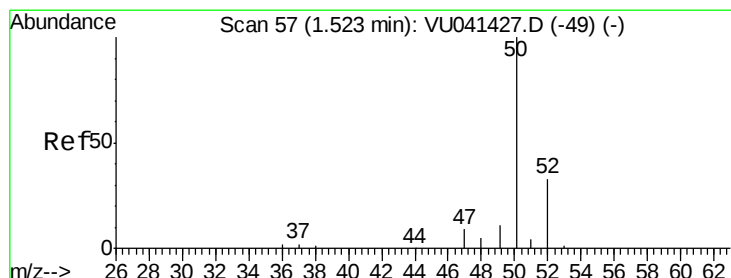
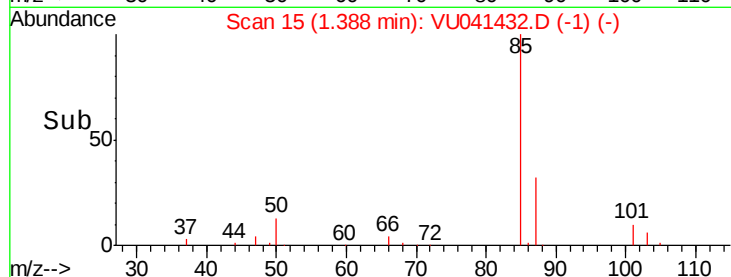
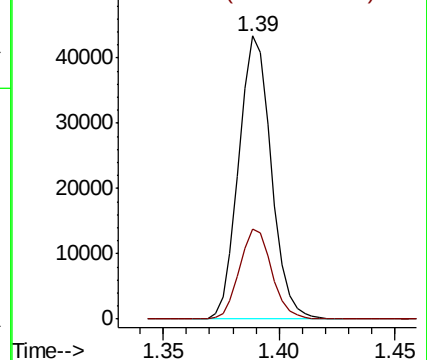
85 100

87 31.7 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.206 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041432.D

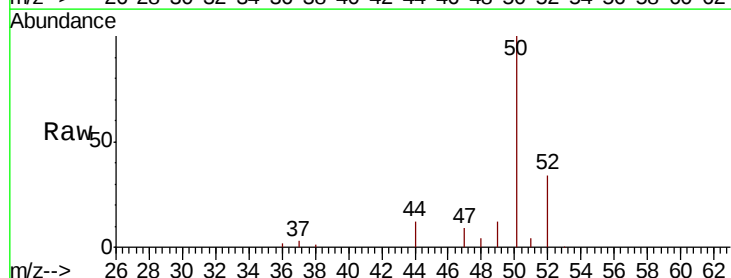
Acq: 25 Nov 2020 15:12

Tgt Ion: 50 Resp: 32730

Ion Ratio Lower Upper

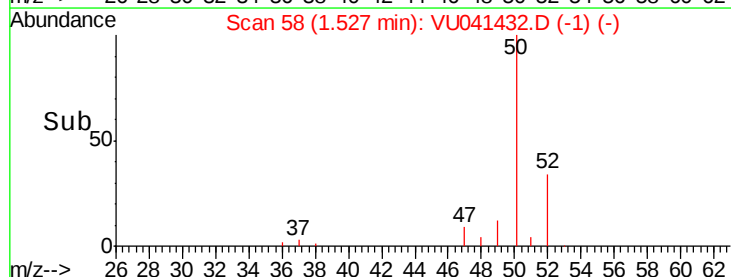
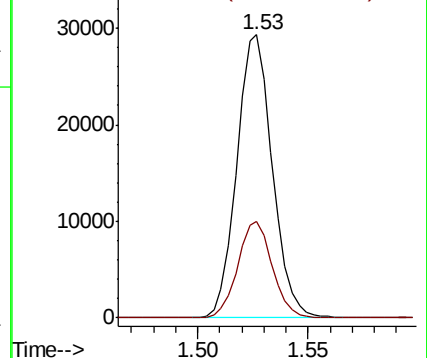
50 100

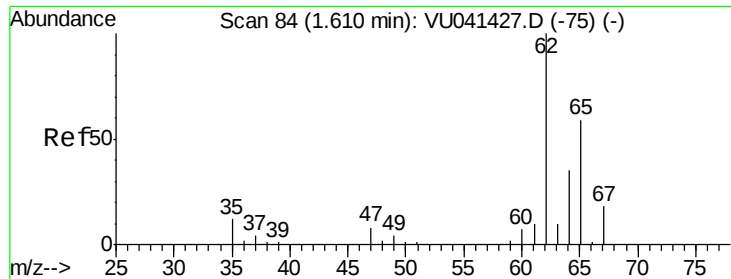
52 34.2 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.481 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

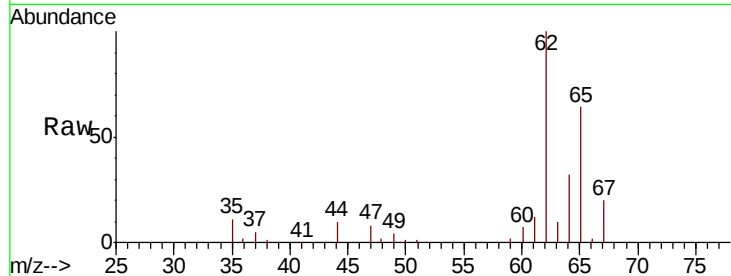
VICV102

Tot Ion: 62 Resp: 32947

Ion Ratio Lower Upper

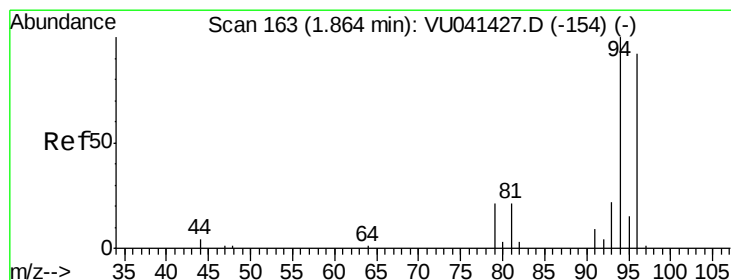
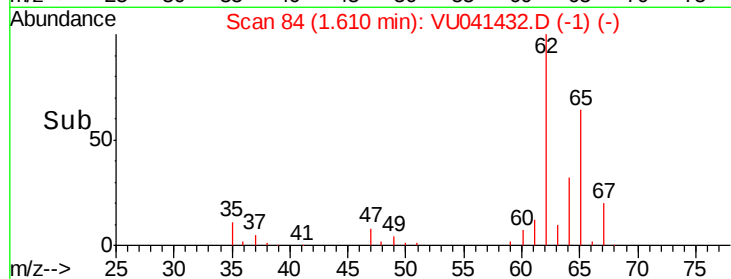
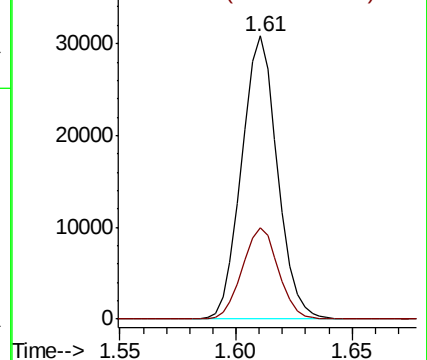
62 100

64 32.5 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.434 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041432.D

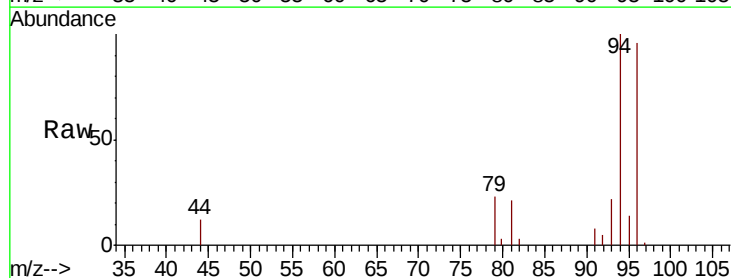
Acq: 25 Nov 2020 15:12

Tgt Ion: 94 Resp: 17592

Ion Ratio Lower Upper

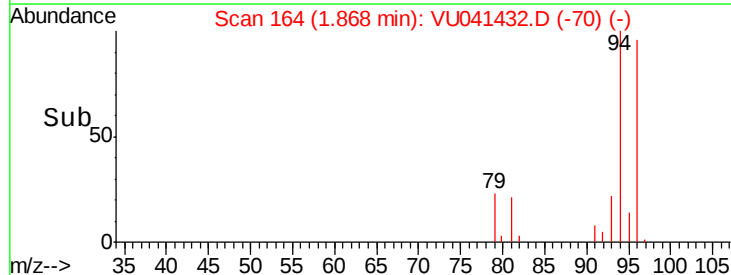
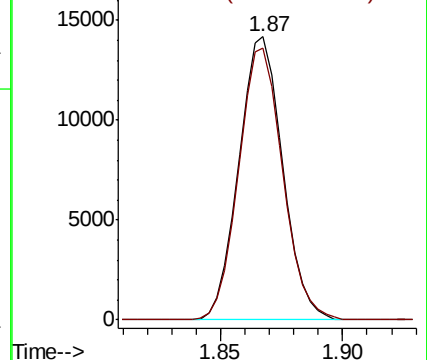
94 100

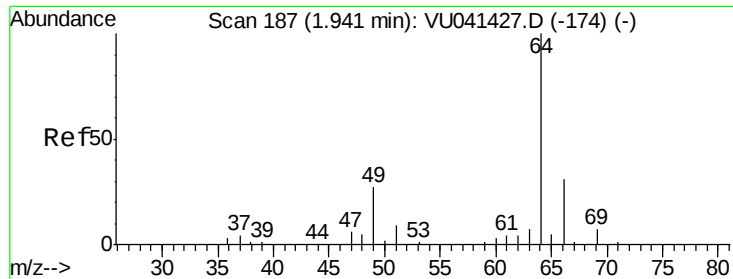
96 96.0 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.264 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

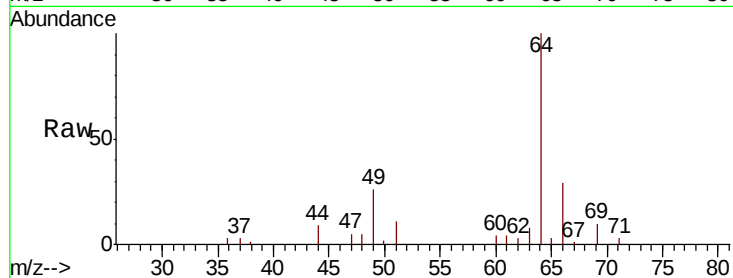
VICV102

Tot Ion: 64 Resp: 19950

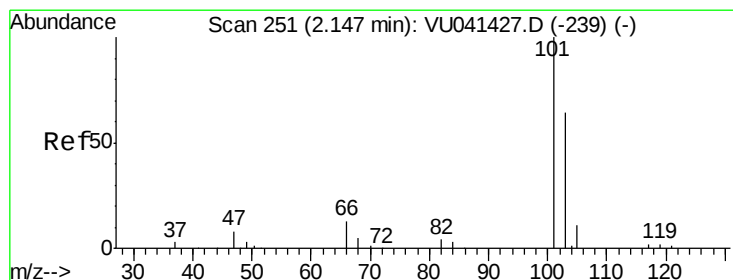
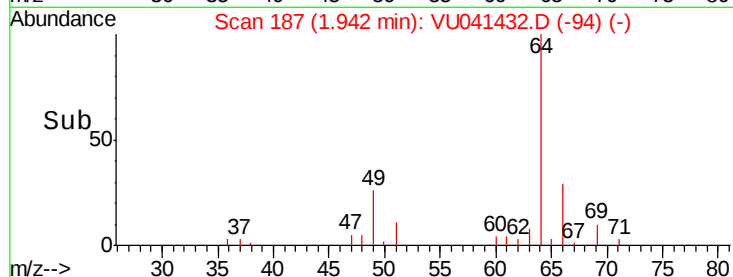
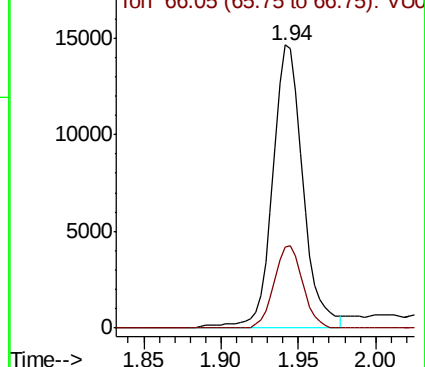
Ion Ratio Lower Upper

64 100

66 28.9 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU041427.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 5.412 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041432.D

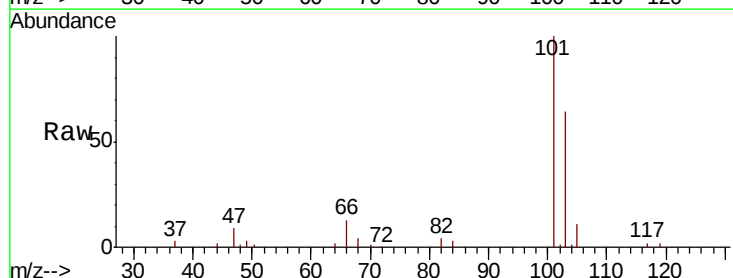
Acq: 25 Nov 2020 15:12

Tgt Ion:101 Resp: 57867

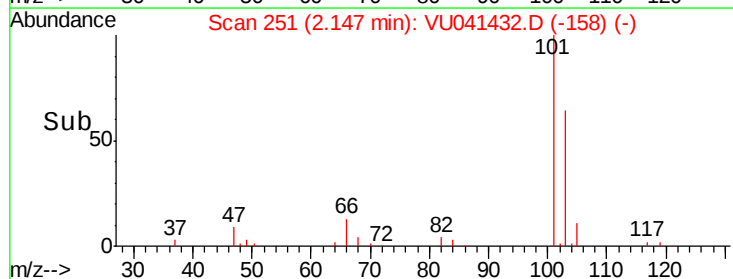
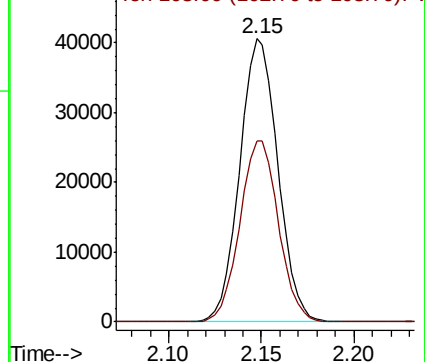
Ion Ratio Lower Upper

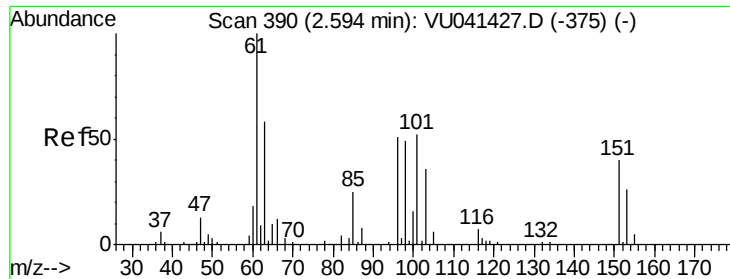
101 100

103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041427.D (-239) (-)





#10

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

Concen: 5.271 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampled :

VICV102

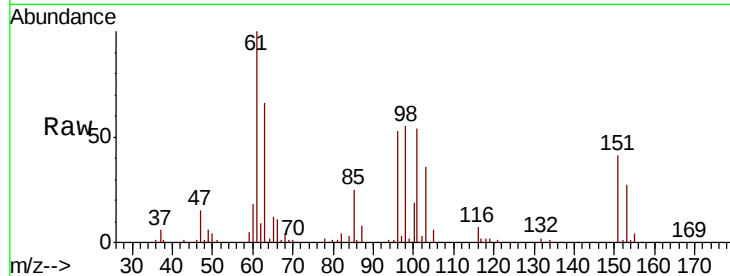
Tot Ion:101 Resp: 26864

Ion Ratio Lower Upper

101 100

85 46.7 37.8 56.6

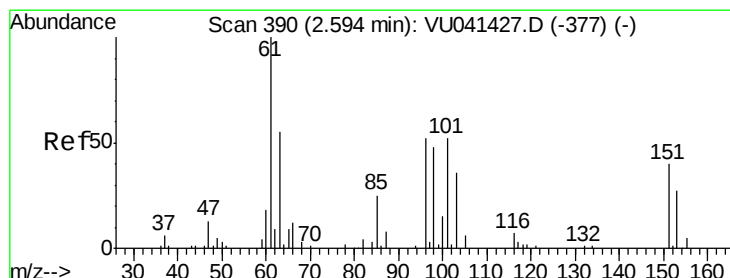
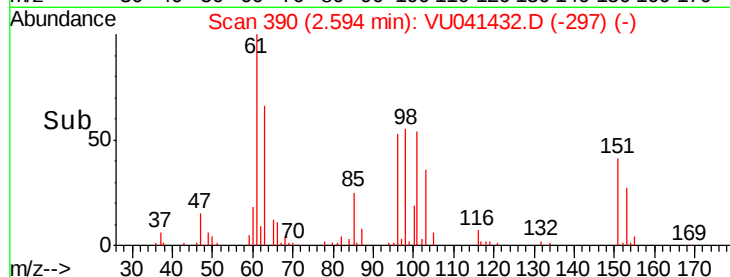
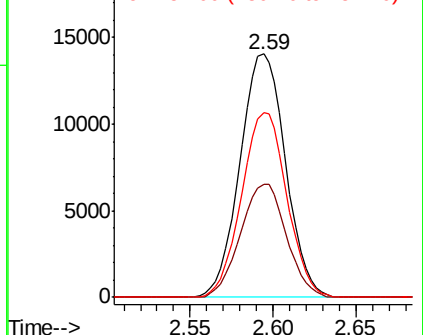
151 75.3 59.6 89.4



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: 5.294 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

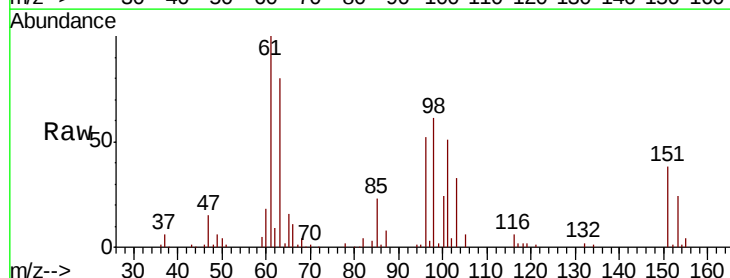
Tgt Ion: 96 Resp: 22963

Ion Ratio Lower Upper

96 100

61 193.2 136.1 252.7

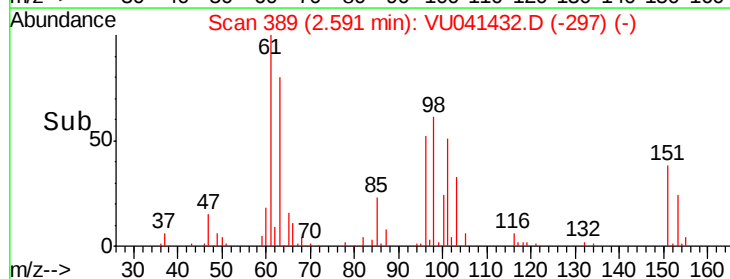
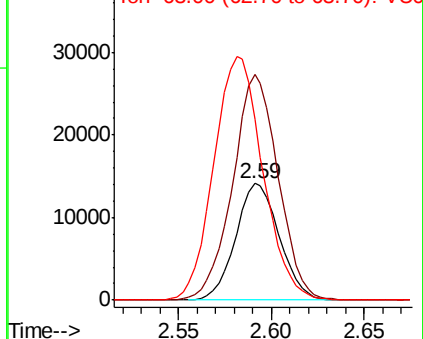
63 155.2 79.5 147.6#

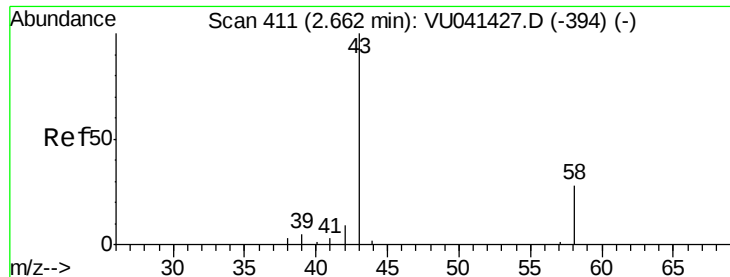


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.001 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

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MSVOA_U

ClientSampleId :

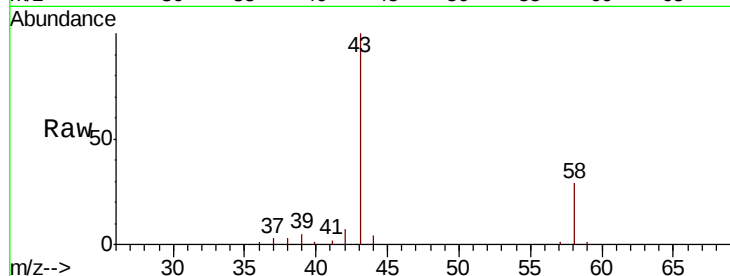
VICV102

Tot Ion: 43 Resp: 50179

Ion Ratio Lower Upper

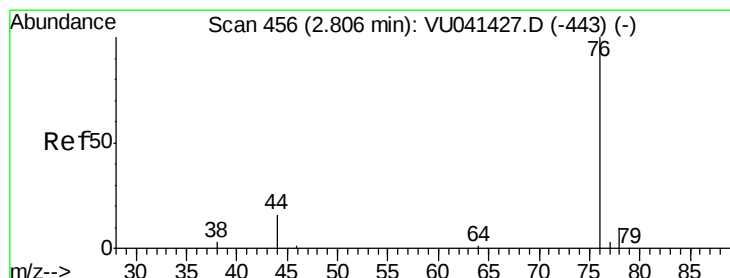
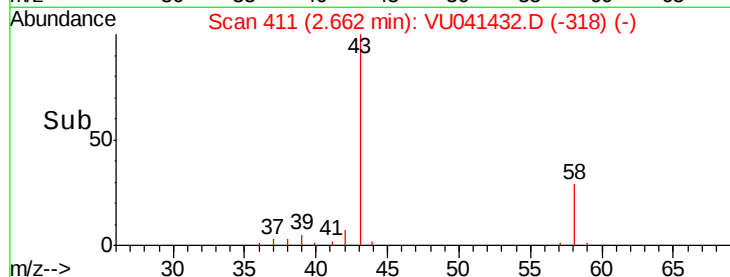
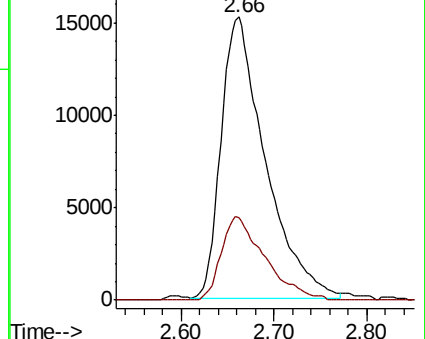
43 100

58 29.4 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.147 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041432.D

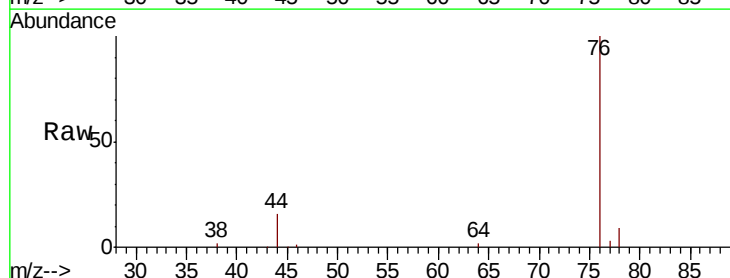
Acq: 25 Nov 2020 15:12

Tgt Ion: 76 Resp: 64619

Ion Ratio Lower Upper

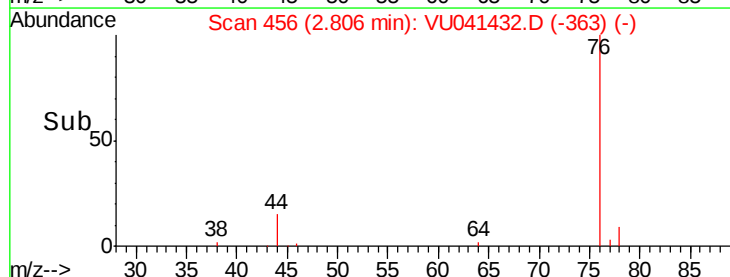
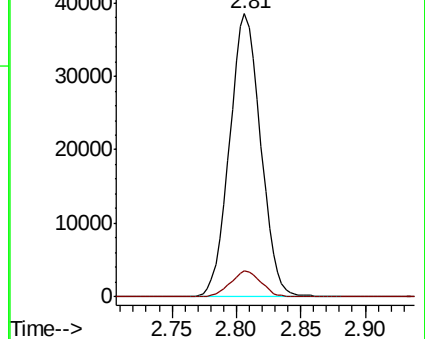
76 100

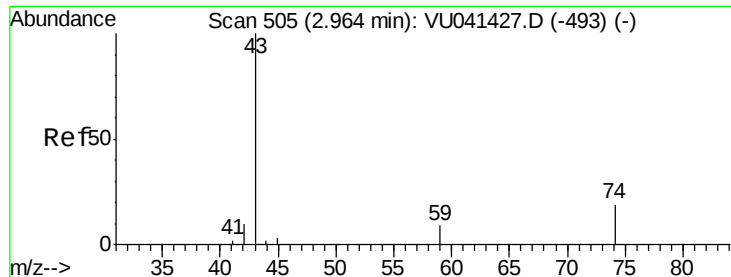
78 9.1 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

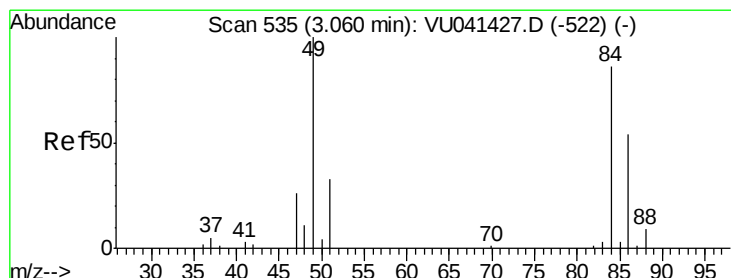
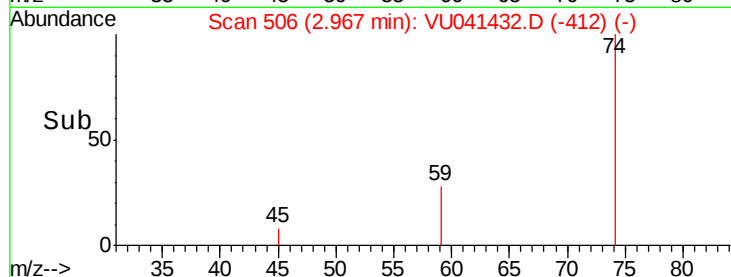
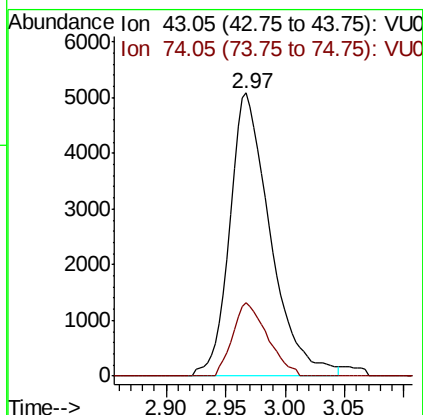
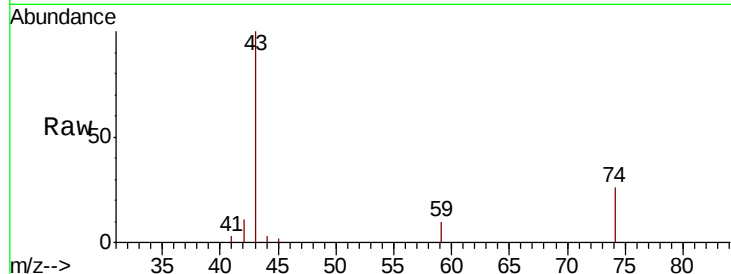




#15
Methvl Acetate
Concen: 5.598 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

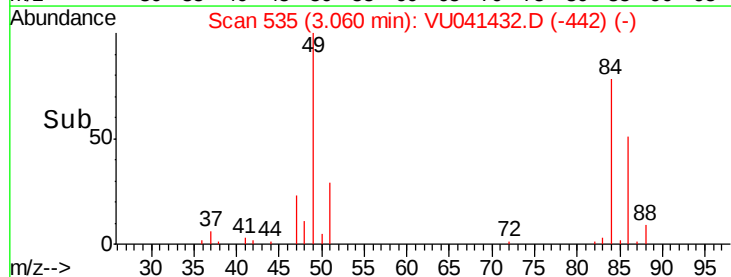
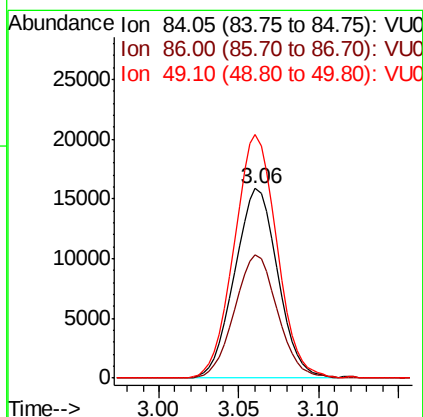
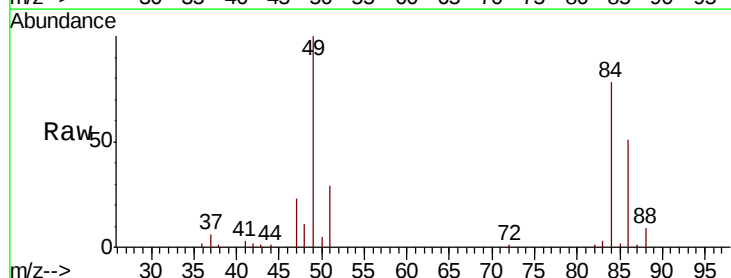
Instrument :
MSVOA_U
ClientSampleId :
VICV102

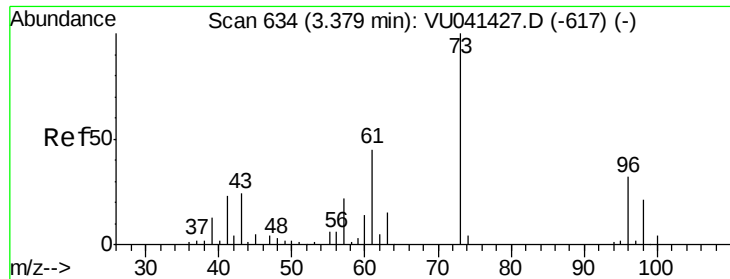
Tot Ion: 43 Resp: 12026
Ion Ratio Lower Upper
43 100
74 22.0 18.0 27.0



#16
Methylene chloride
Concen: 4.483 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Tgt Ion: 84 Resp: 29241
Ion Ratio Lower Upper
84 100
86 65.2 44.5 82.7
49 128.6 81.8 152.0



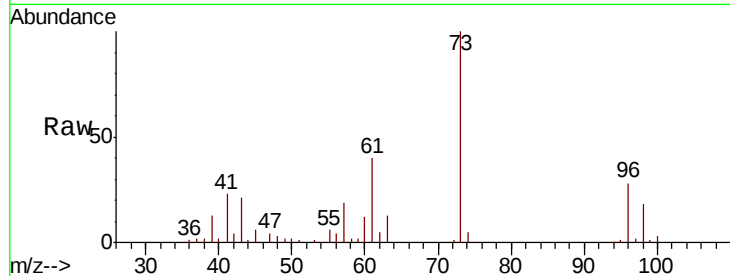


#17

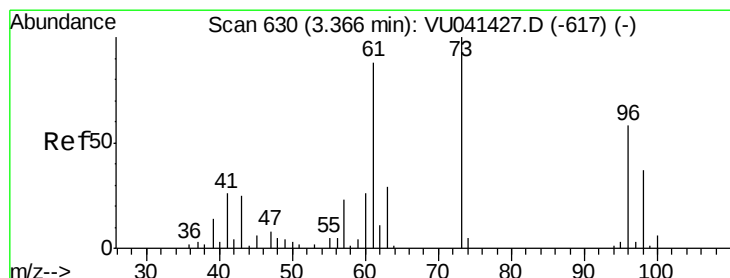
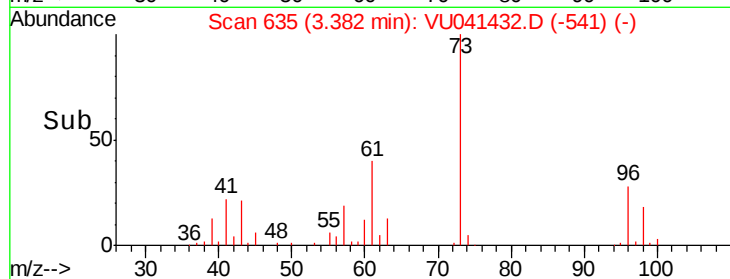
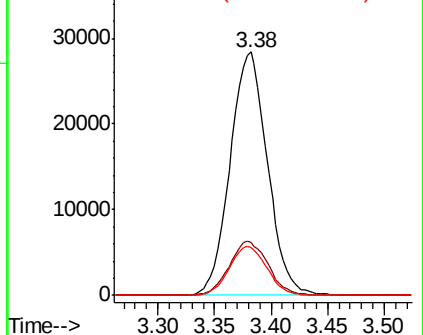
Methvl tert-butvl Ether
 Concen: 5.296 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Tot Ion: 73 Resp: 65253
 Ion Ratio Lower Upper
 73 100
 43 23.0 19.8 29.8
 57 20.1 17.6 26.4



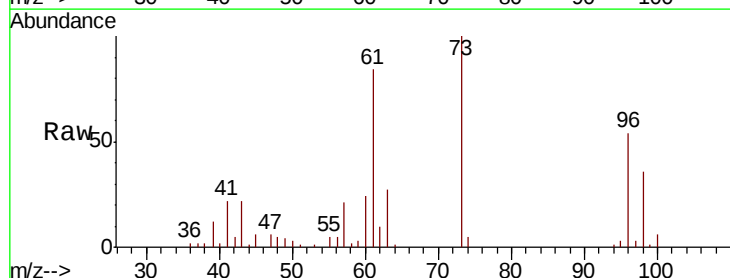
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



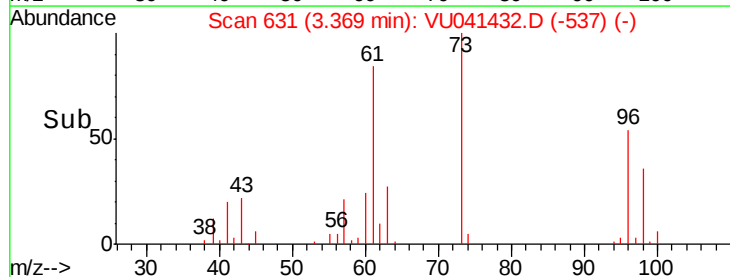
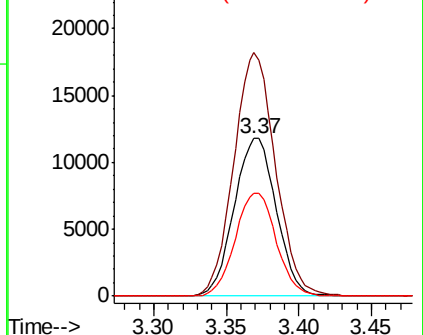
#18

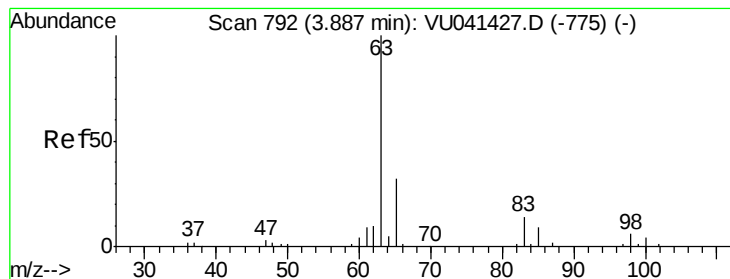
trans-1,2-Dichloroethene
 Concen: 5.452 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion: 96 Resp: 23786
 Ion Ratio Lower Upper
 96 100
 61 154.3 106.4 197.6
 98 65.5 44.4 82.4



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: 5.174 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

VICV102

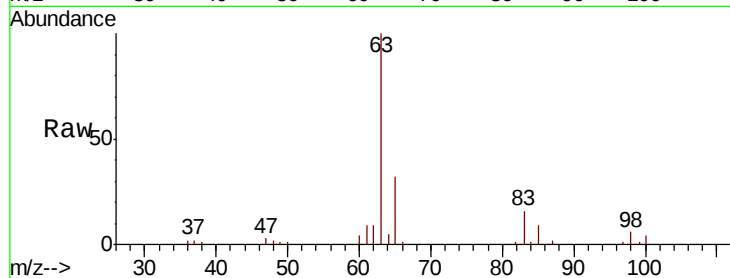
Tot Ion: 63 Resp: 45642

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

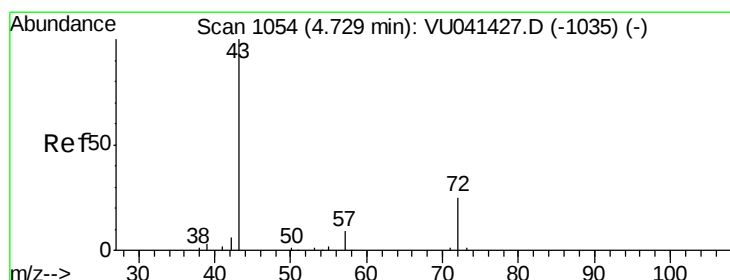
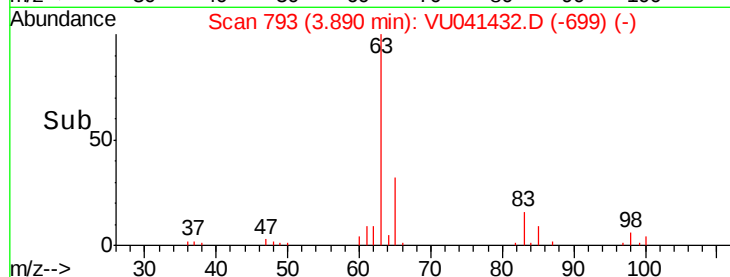
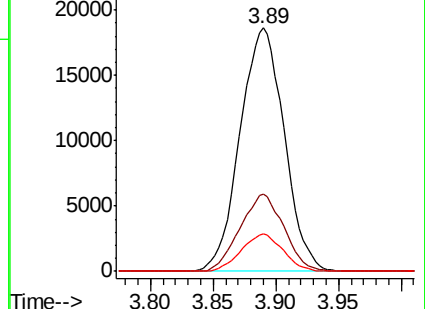
83 15.6 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 45.323 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041432.D

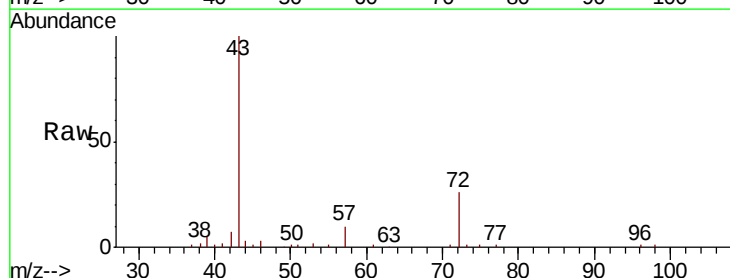
Acq: 25 Nov 2020 15:12

Tgt Ion: 43 Resp: 67152

Ion Ratio Lower Upper

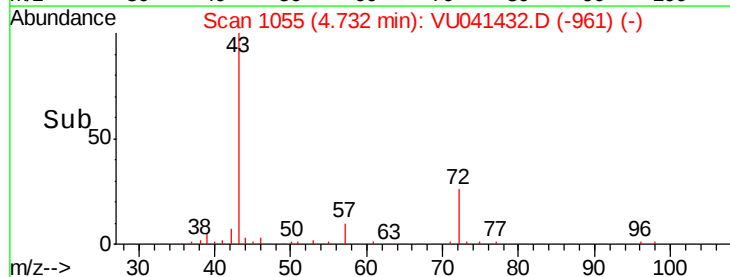
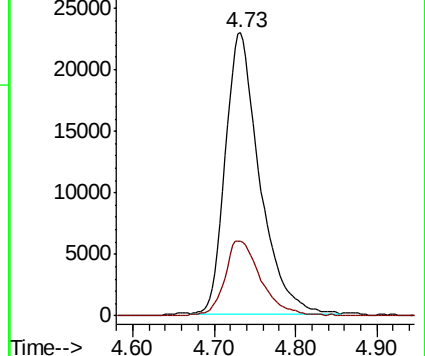
43 100

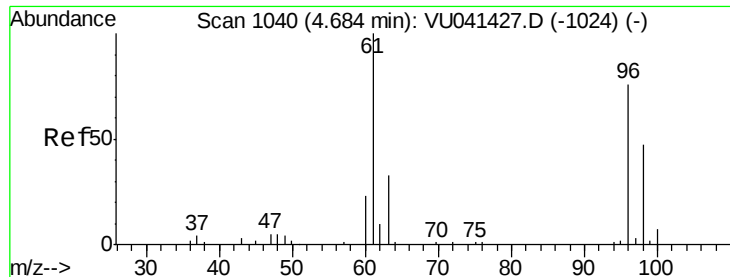
72 28.4 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.179 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

VICV102

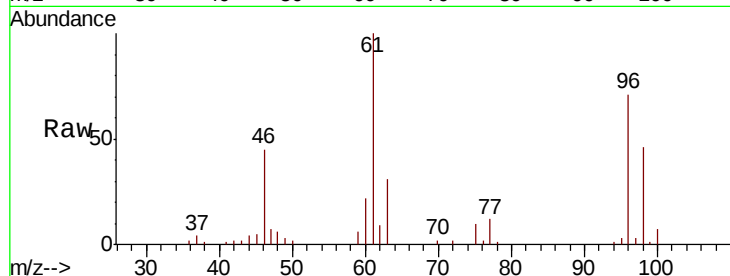
Tot Ion: 96 Resp: 25529

Ion Ratio Lower Upper

96 100

61 140.2 92.3 171.3

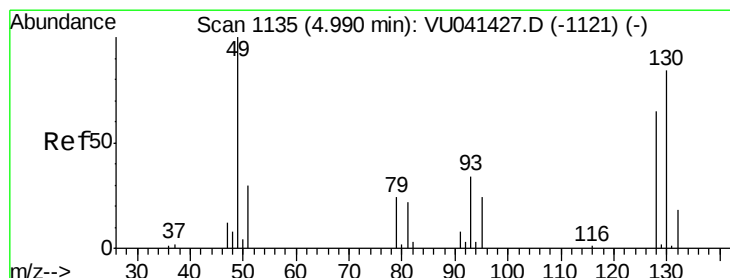
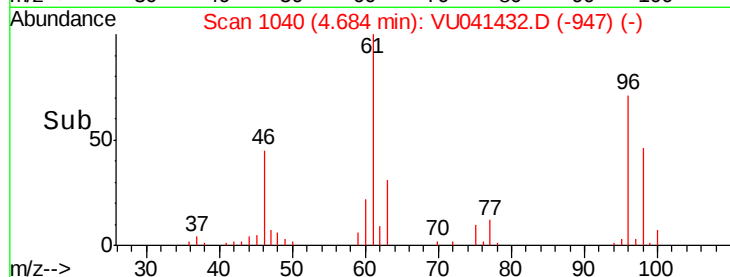
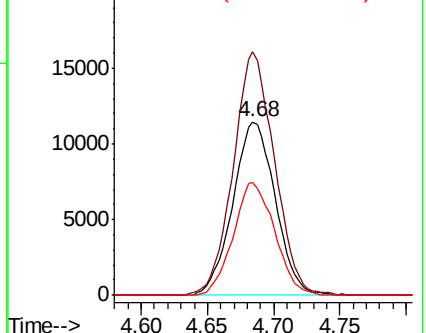
98 65.0 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 5.560 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Tgt Ion: 128 Resp: 13020

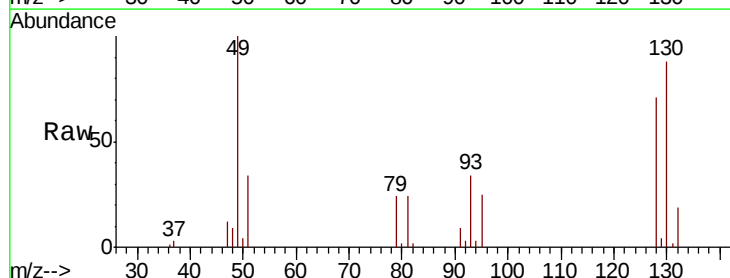
Ion Ratio Lower Upper

128 100

49 140.0 108.4 201.4

130 123.7 91.2 169.4

51 47.1 37.8 56.6

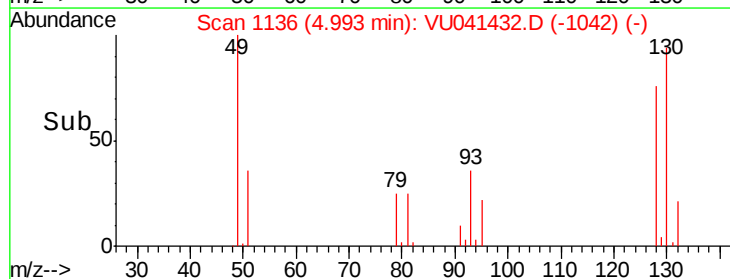
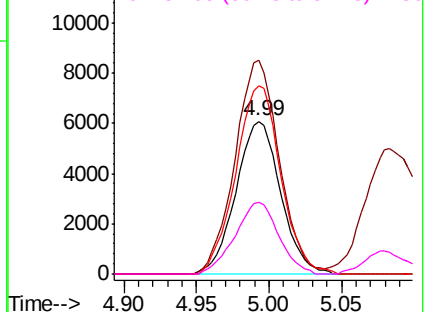


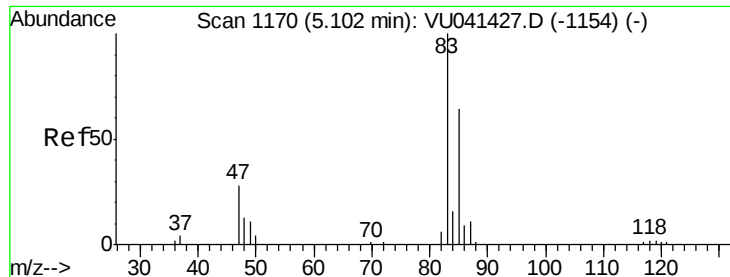
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

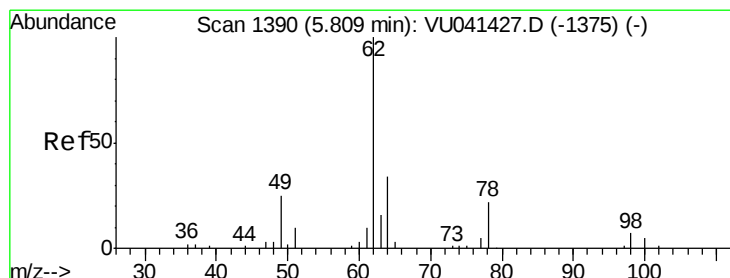
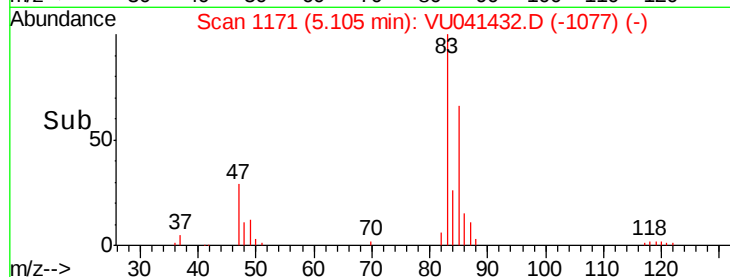
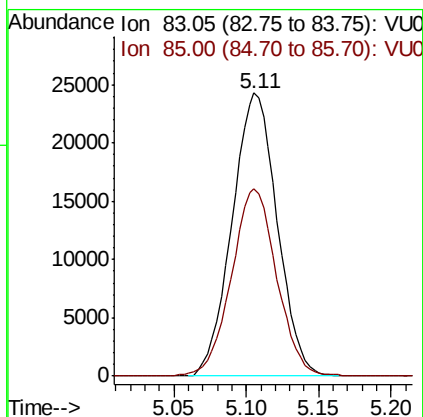
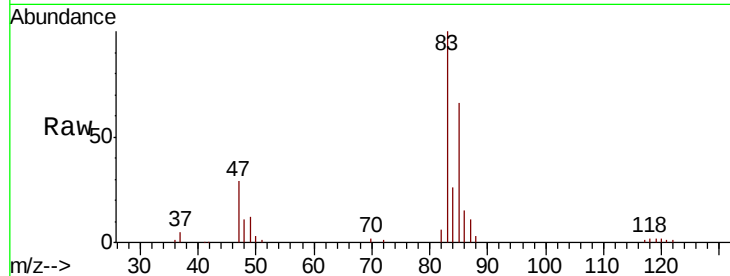




#25
Chloroform
Concen: 5.083 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

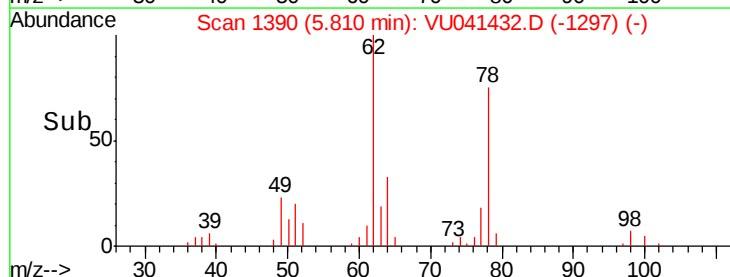
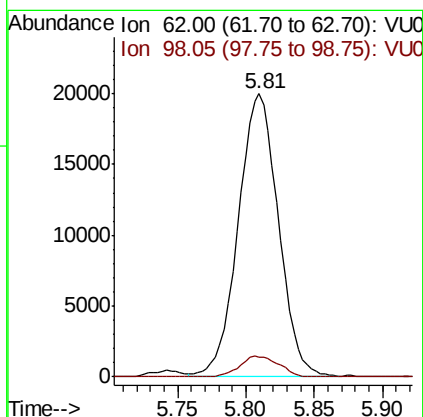
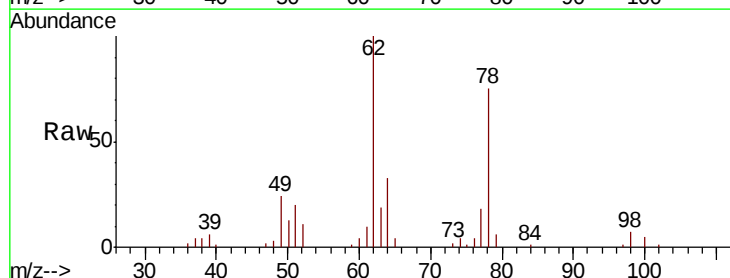
Instrument :
MSVOA_U
ClientSampled :
VICV102

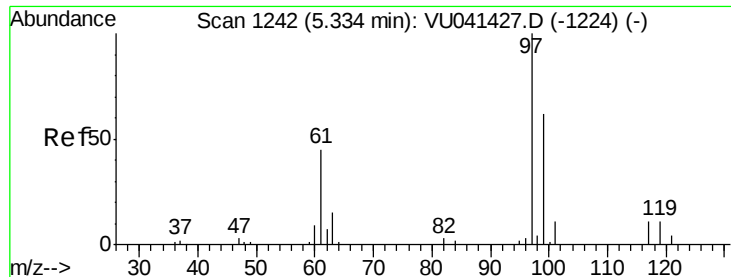
Tot Ion: 83 Resp: 52439
Ion Ratio Lower Upper
83 100
85 66.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.438 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Tgt Ion: 62 Resp: 40905
Ion Ratio Lower Upper
62 100
98 7.1 5.8 8.6

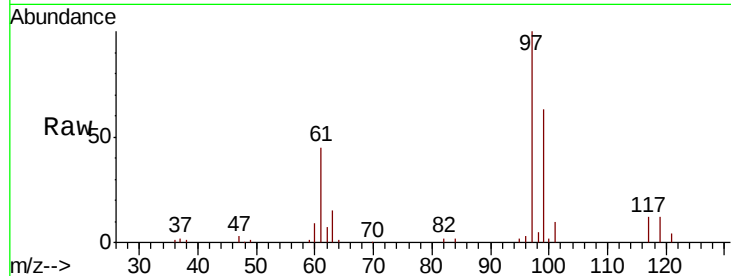




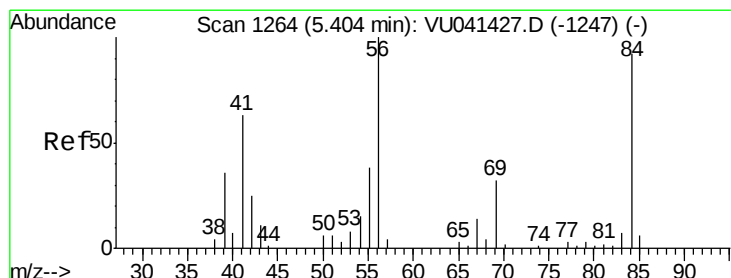
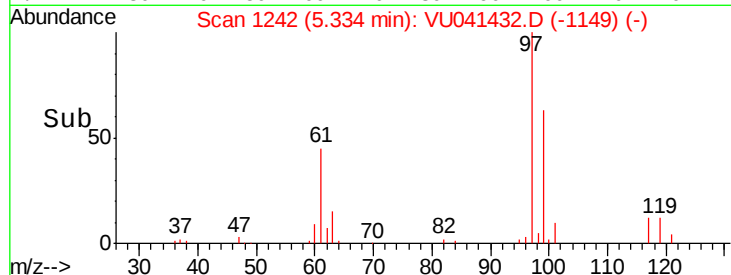
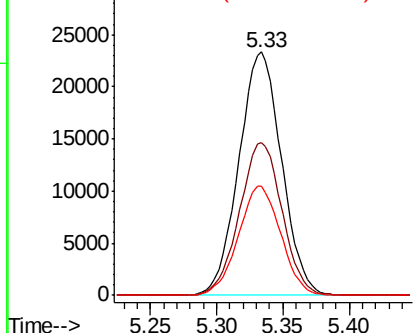
#29
 1,1,1-Trichloroethane
 Concen: 5.243 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Tot Ion: 97 Resp: 52262
 Ion Ratio Lower Upper
 97 100
 99 62.7 50.7 76.1
 61 44.5 36.9 55.3

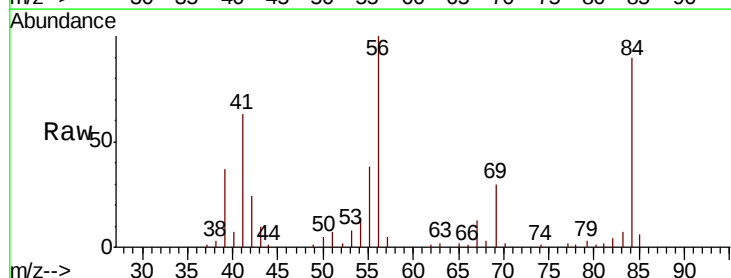


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

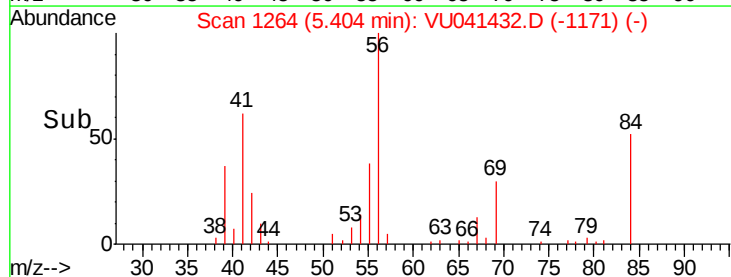
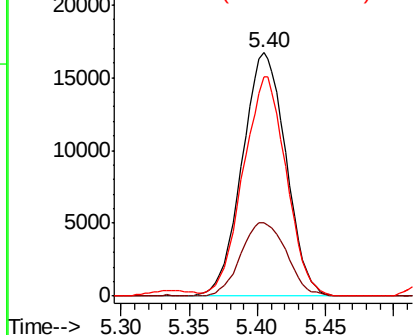


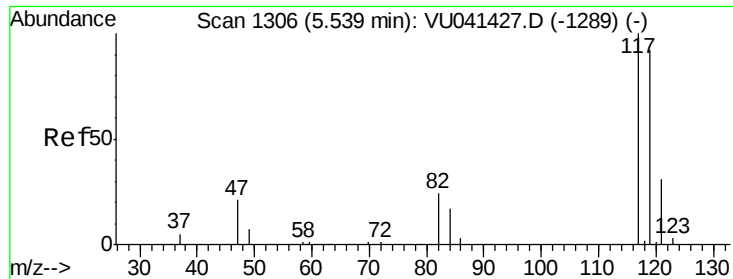
#30
 Cyclohexane
 Concen: 5.268 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion: 56 Resp: 37216
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.2 37.8
 84 89.1 70.8 106.2



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

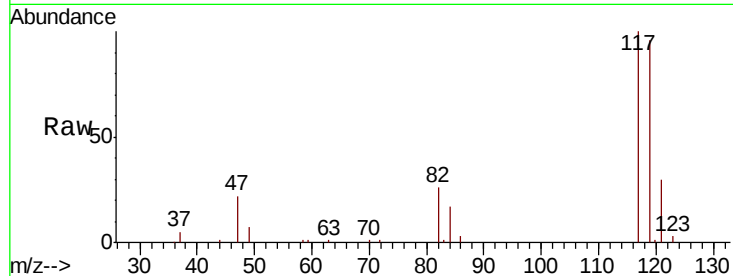




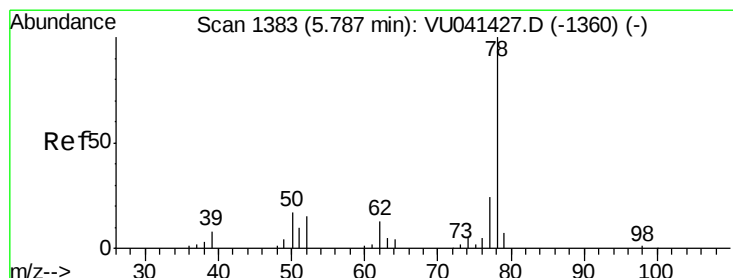
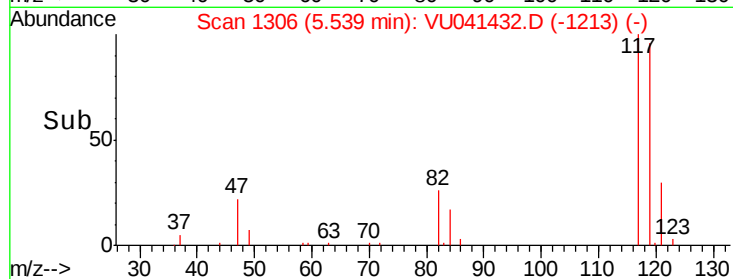
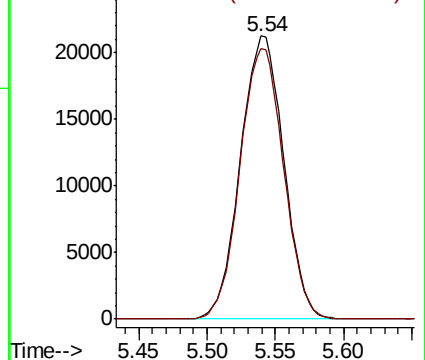
#31
Carbon tetrachloride
Concen: 5.218 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Instrument :
MSVOA_U
ClientSampleId :
VICV102

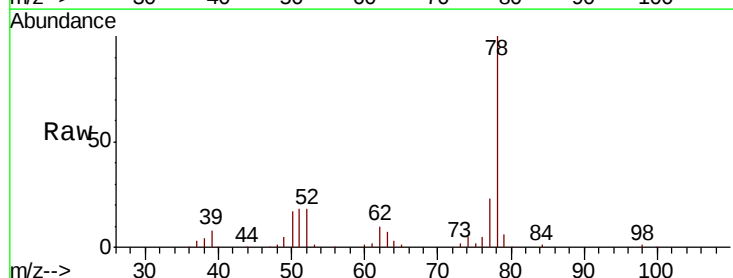
Tot Ion:117 Resp: 46898
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8



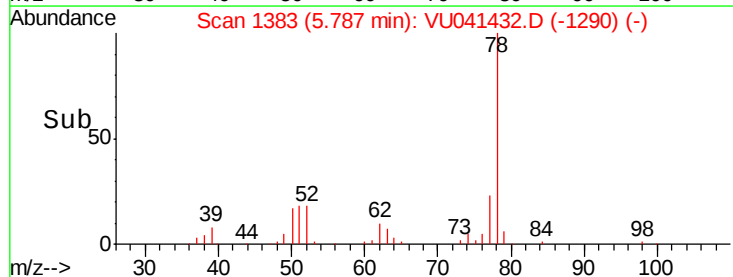
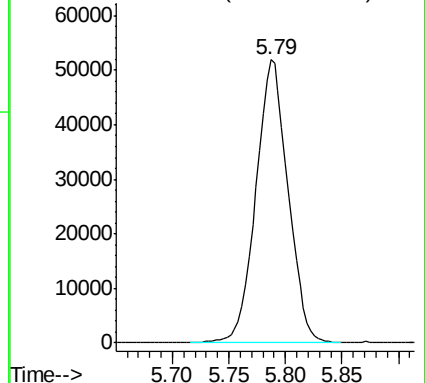
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

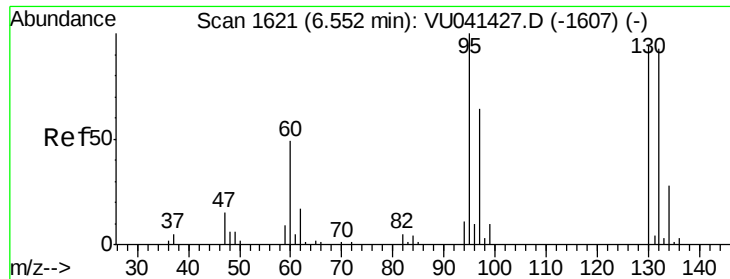


#33
Benzene
Concen: 5.193 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12
Tgt Ion: 78 Resp: 102509



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.344 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

VICV102

Tot Ion: 95 Resp: 28396

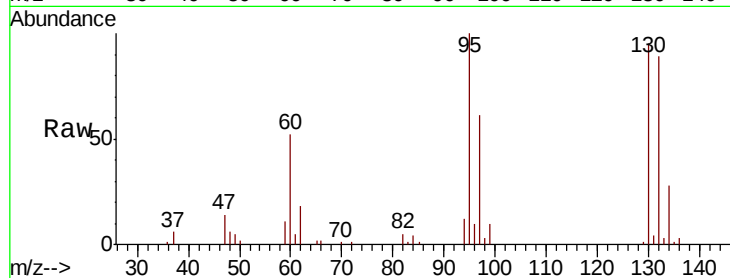
Ion Ratio Lower Upper

95 100

97 61.2 44.8 83.2

132 88.9 64.8 120.4

130 95.1 65.8 122.2

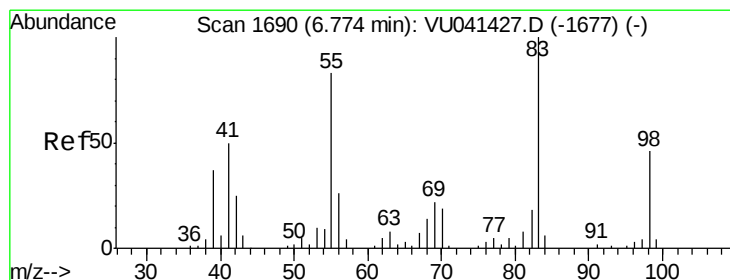
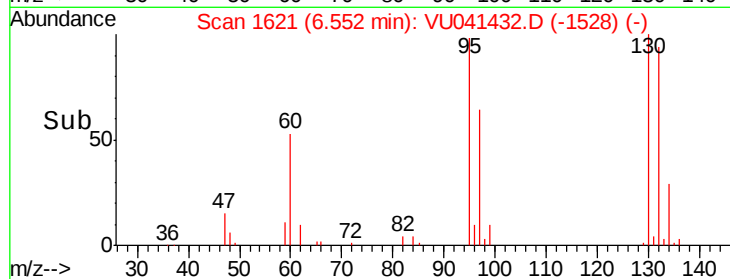
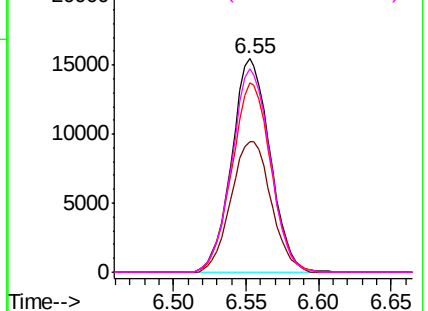


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.202 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

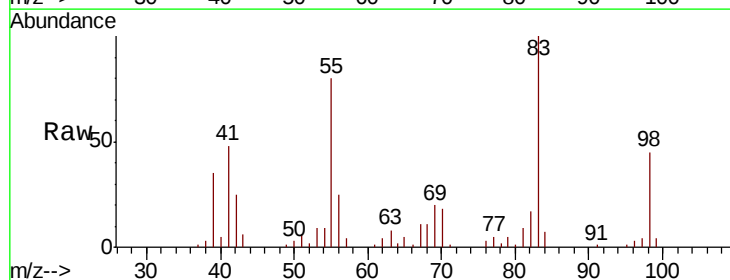
Tgt Ion: 83 Resp: 38795

Ion Ratio Lower Upper

83 100

55 81.5 66.5 99.7

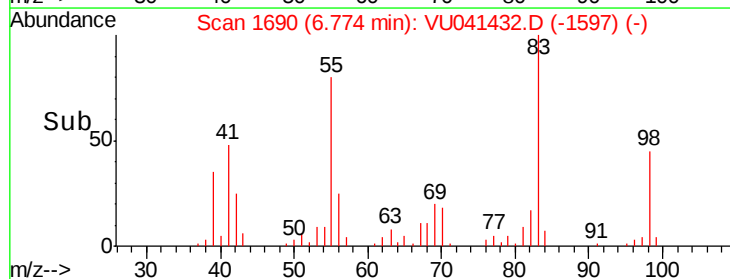
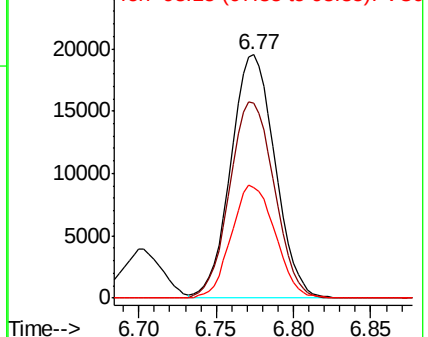
98 46.0 36.8 55.2

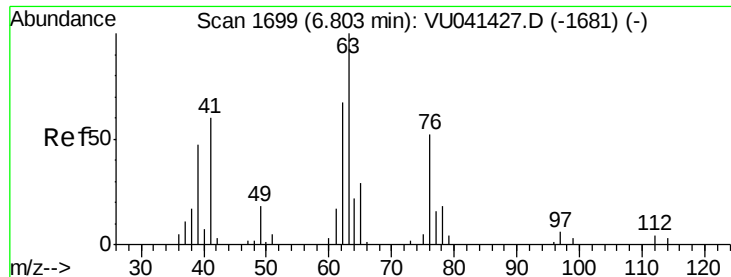


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

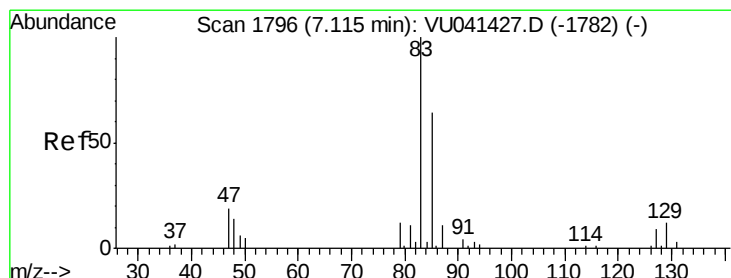
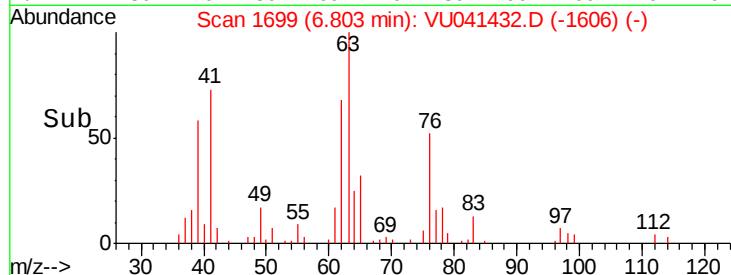
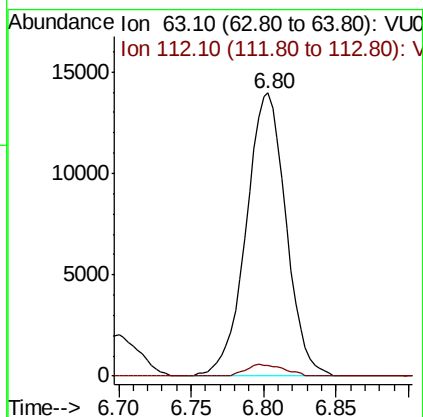
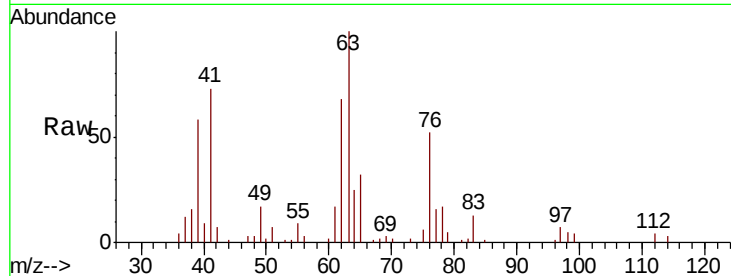




#37
 1,2-Dichloropropane
 Concen: 5.302 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

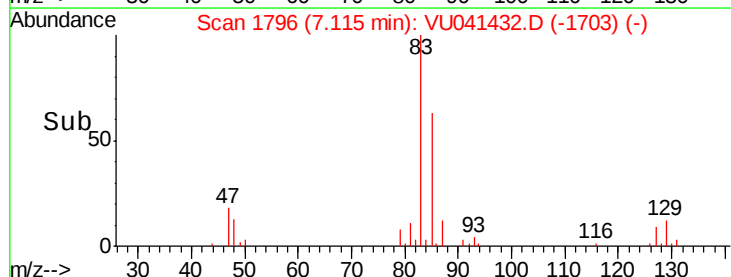
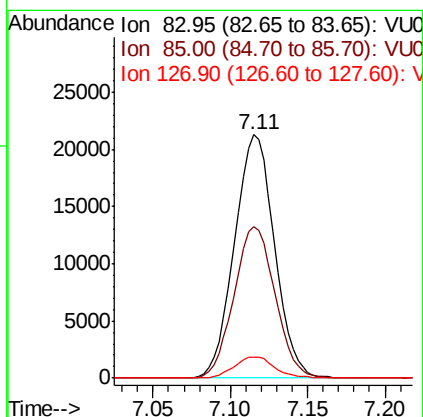
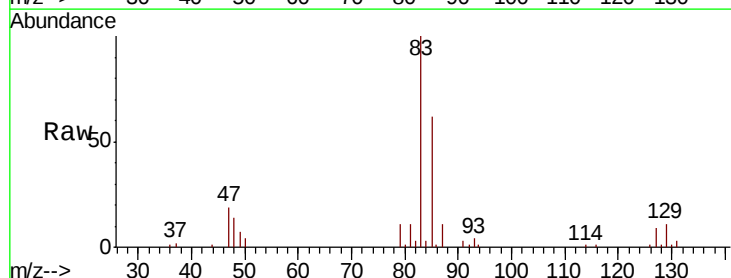
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

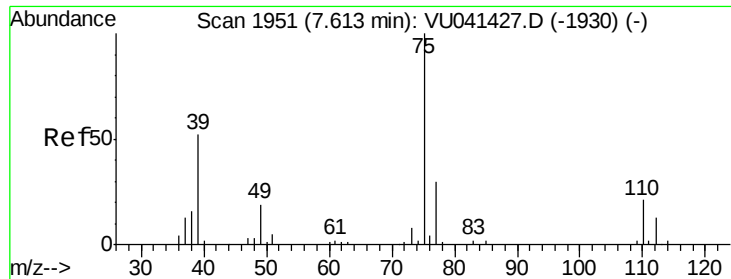
Tot Ion: 63 Resp: 26737
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.878 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion: 83 Resp: 38297
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.7 83.1
 127 8.8 7.2 10.8

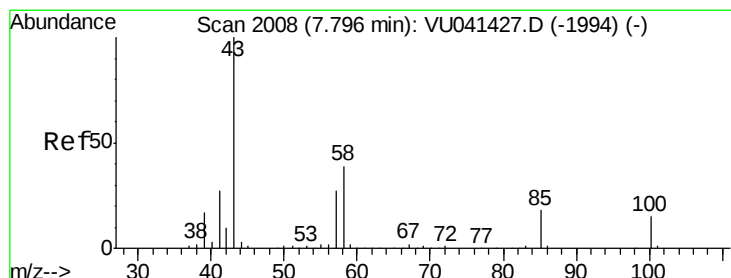
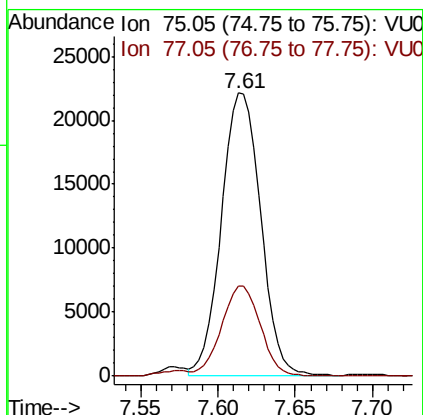
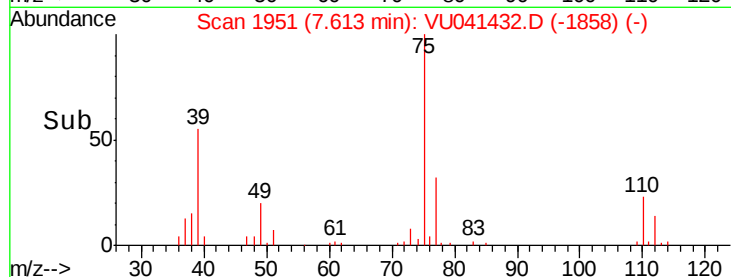
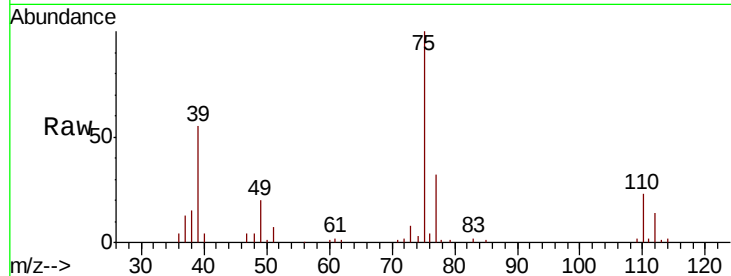




#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

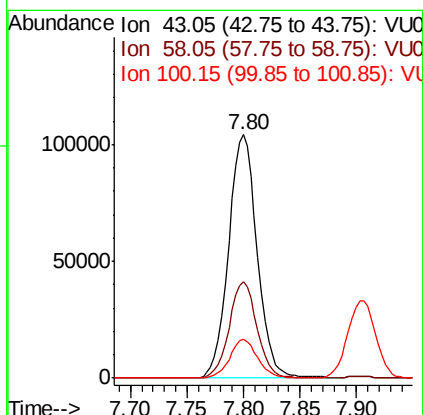
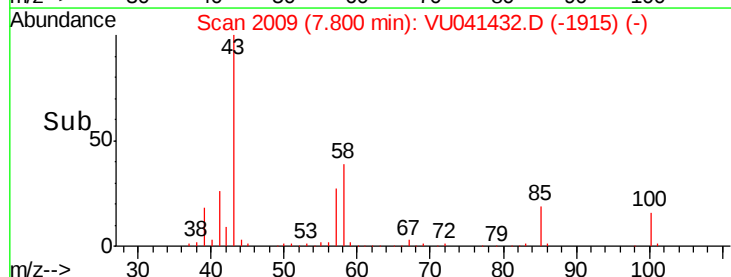
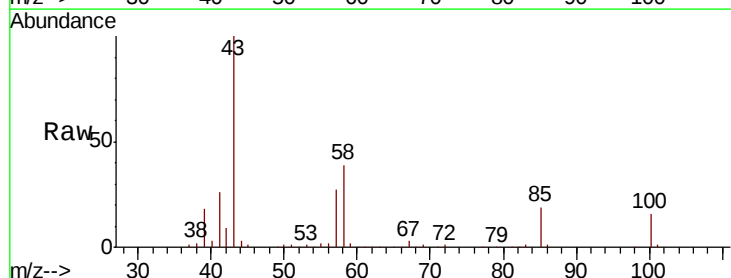
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

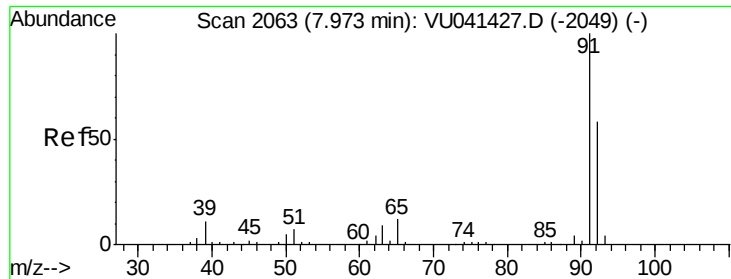
Tot Ion: 75 Resp: 39199
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 51.806 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion: 43 Resp: 182992
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.0 46.6
 100 15.5 12.0 18.0





#42

Toluene

Concen: 5.325 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

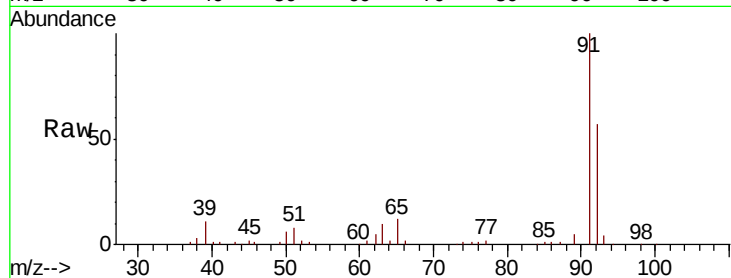
VICV102

Tot Ion: 91 Resp: 113361

Ion Ratio Lower Upper

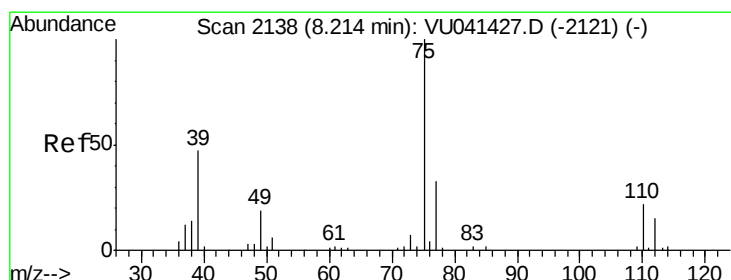
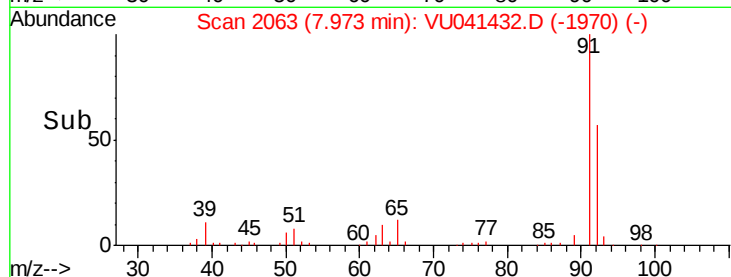
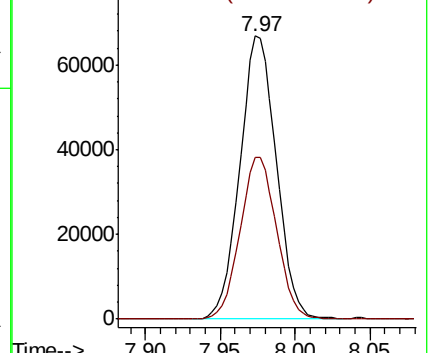
91 100

92 57.0 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.435 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041432.D

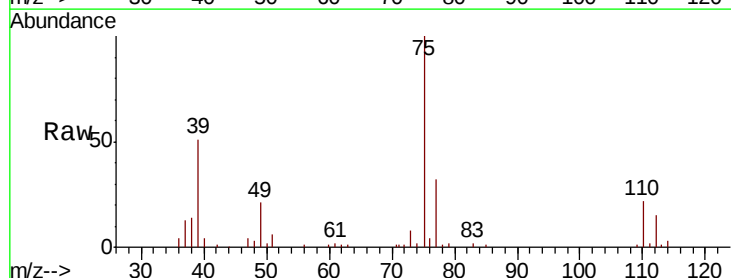
Acq: 25 Nov 2020 15:12

Tgt Ion: 75 Resp: 41079

Ion Ratio Lower Upper

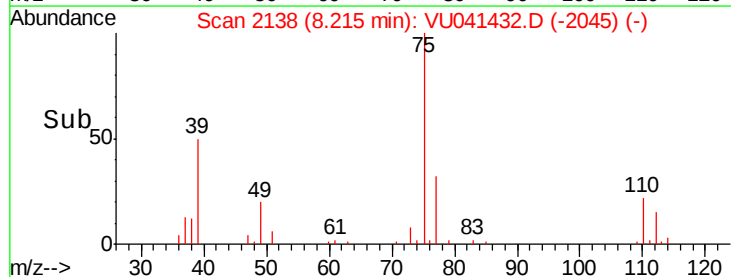
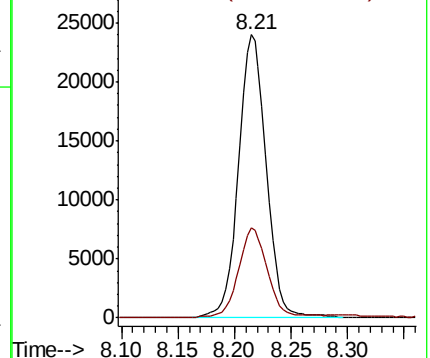
75 100

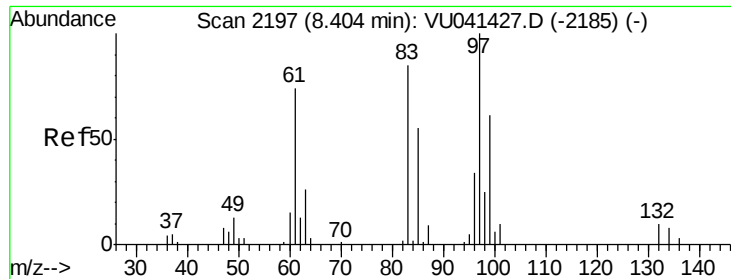
77 31.6 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

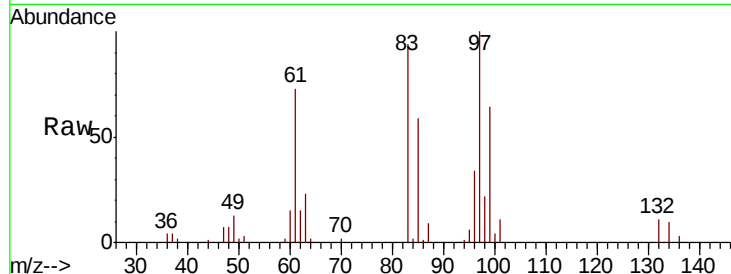




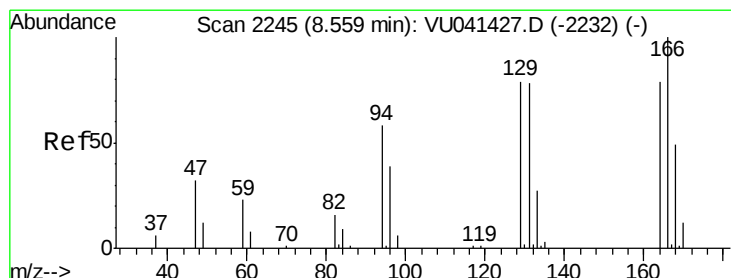
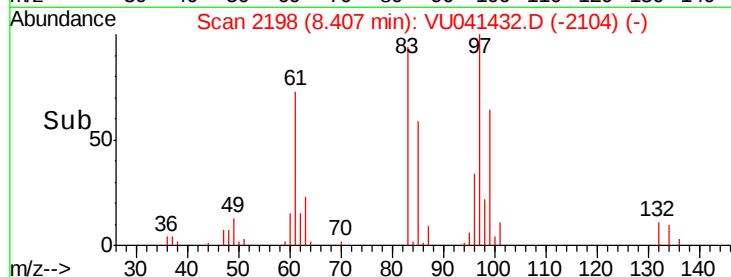
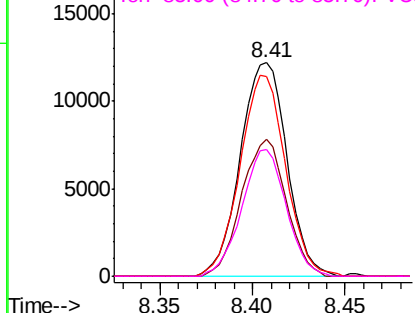
#45
 1,1,2-Trichloroethane
 Concen: 5.389 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Tot Ion:	97	Resp:	21398
Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.5	78.9
83	93.6	59.8	111.1
85	59.4	38.1	70.9

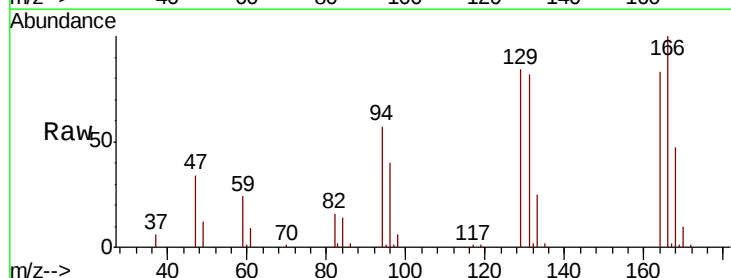


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

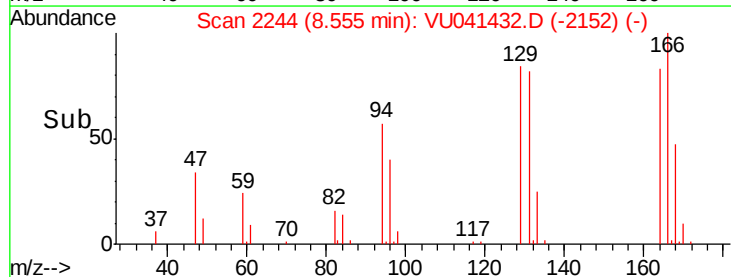
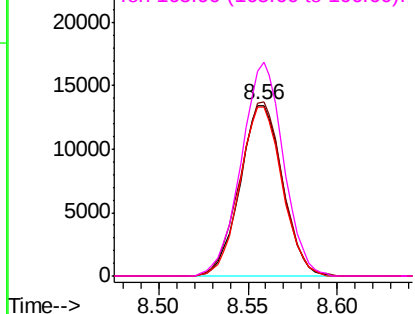


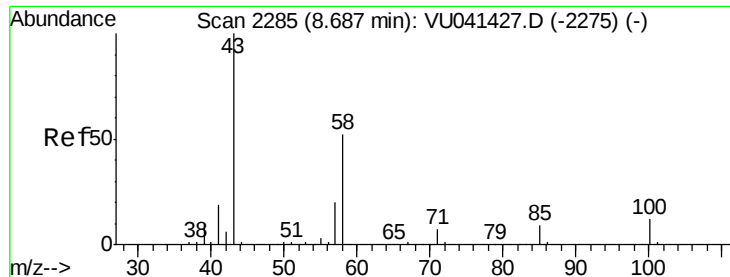
#47
 Tetrachloroethene
 Concen: 5.428 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion:	164	Resp:	22330
Ion	Ratio	Lower	Upper
164	100		
129	100.9	70.0	130.0
131	98.7	68.6	127.4
166	119.9	88.3	164.1



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

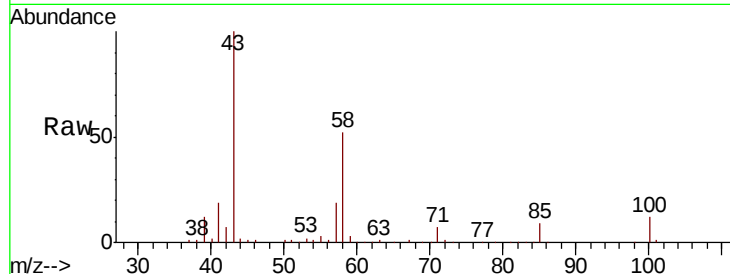




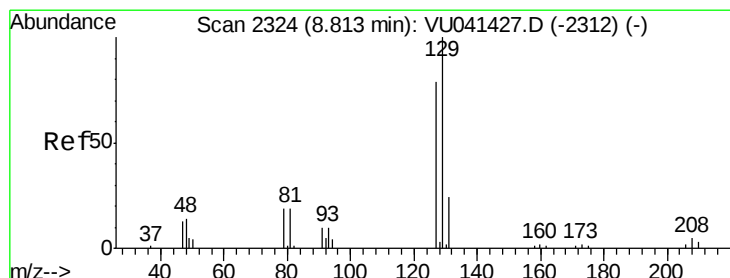
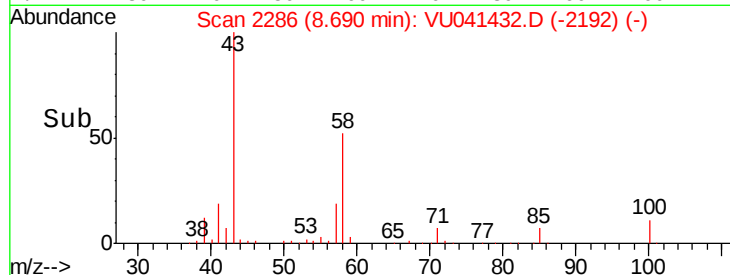
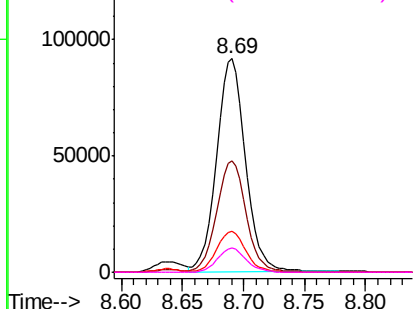
#48
2-Hexanone
Concen: 56.534 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Instrument :
MSVOA_U
ClientSampled :
VICV102

Tot Ion: 43 Resp: 152798
Ion Ratio Lower Upper
43 100
58 52.8 42.0 63.0
57 19.1 16.0 24.0
100 11.2 9.3 13.9

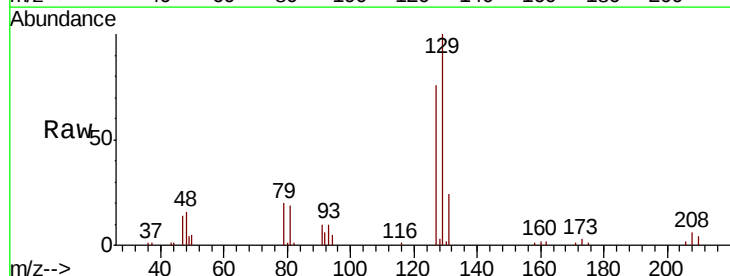


Abundance Ion 43.05 (42.75 to 43.75): VU041432.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041432.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041432.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041432.D (-2192) (-)

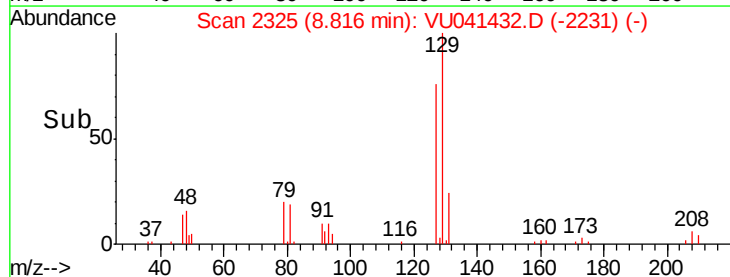
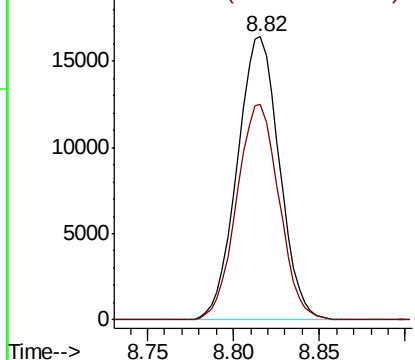


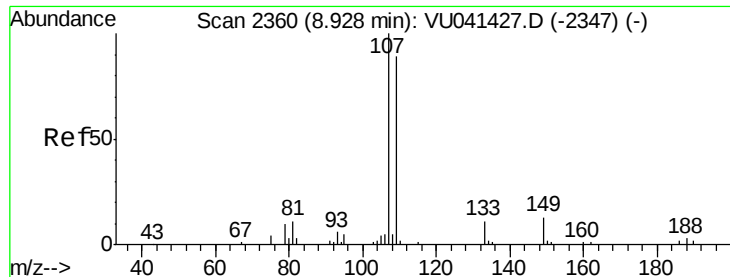
#49
Dibromochloromethane
Concen: 5.295 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Tgt Ion: 129 Resp: 27998
Ion Ratio Lower Upper
129 100
127 76.2 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): VU041432.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041432.D (-2231) (-)

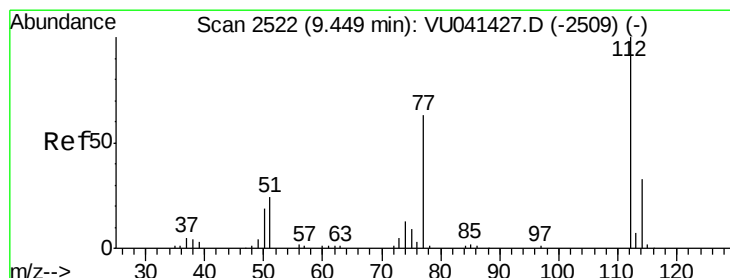
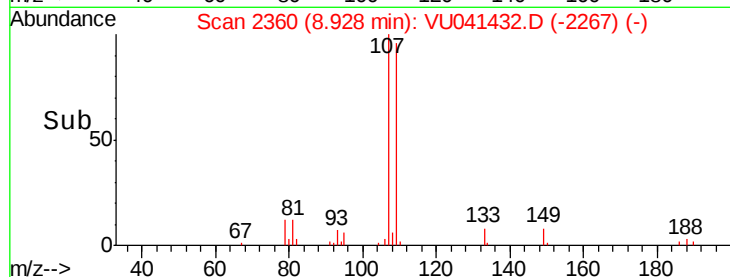
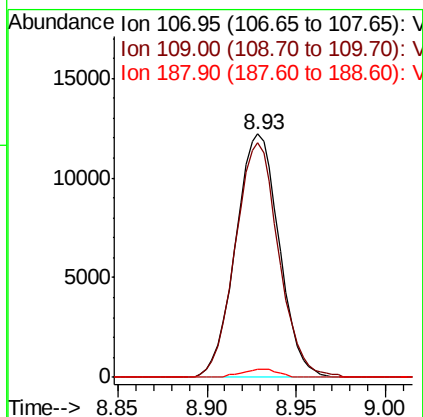
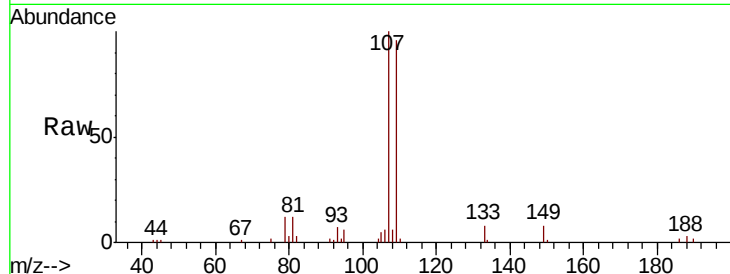




#50
 1,2-Dibromoethane
 Concen: 5.259 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

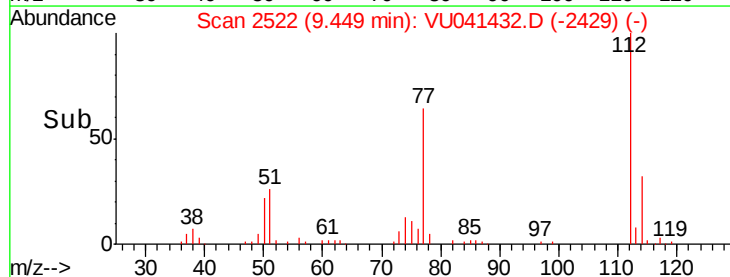
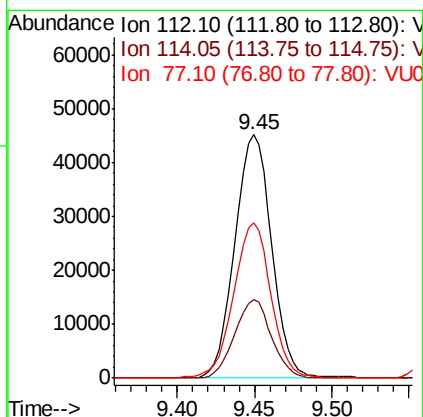
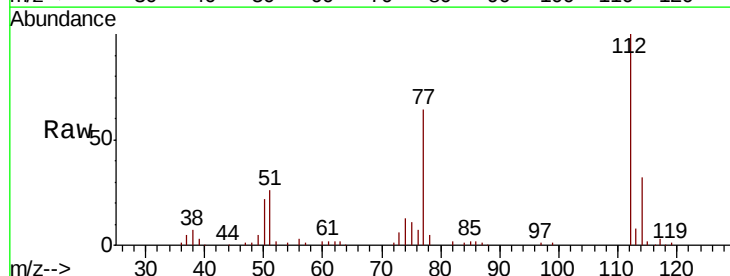
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

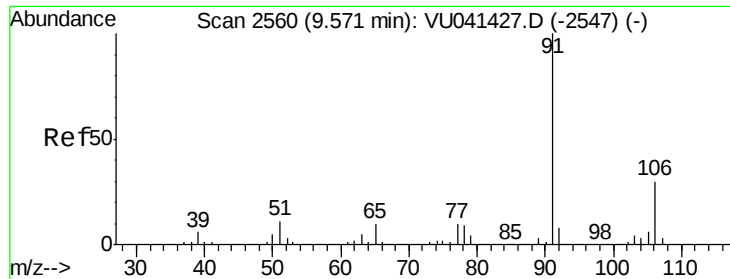
Tot Ion:107 Resp: 20790
 Ion Ratio Lower Upper
 107 100
 109 96.2 62.6 116.3
 188 3.2 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.280 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion:112 Resp: 74824
 Ion Ratio Lower Upper
 112 100
 114 32.4 23.4 43.6
 77 64.0 51.2 76.8





#52

Ethylbenzene

Concen: 5.369 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

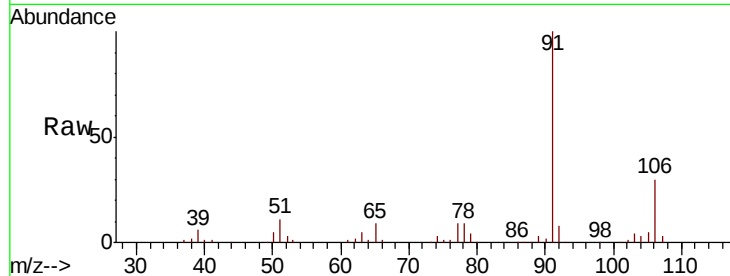
VICV102

Tot Ion: 91 Resp: 127848

Ion Ratio Lower Upper

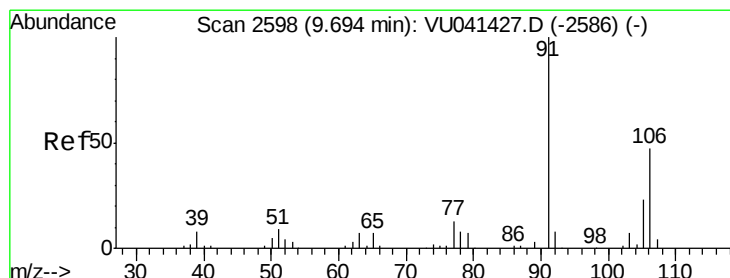
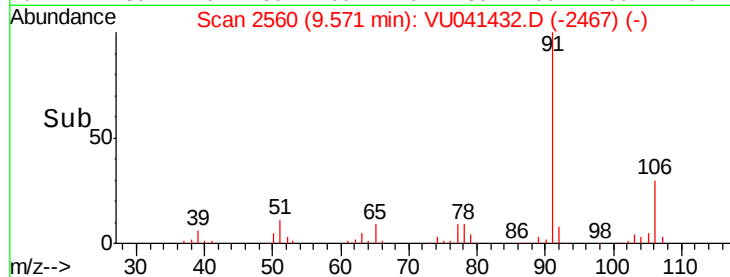
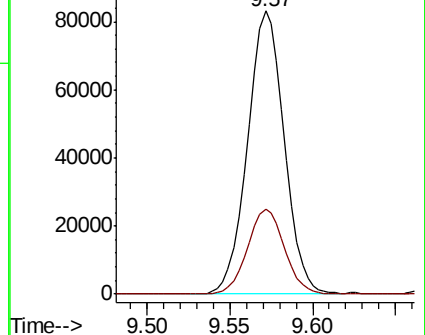
91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041432.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041432.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.639 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041432.D

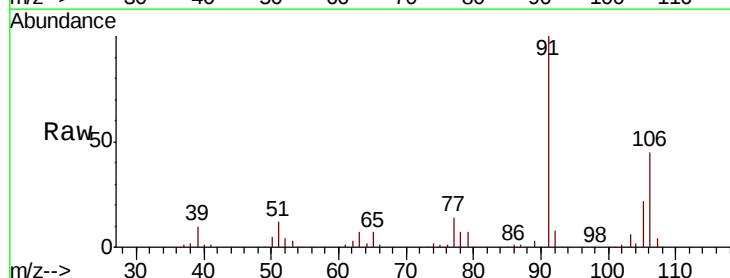
Acq: 25 Nov 2020 15:12

Tgt Ion: 106 Resp: 48565

Ion Ratio Lower Upper

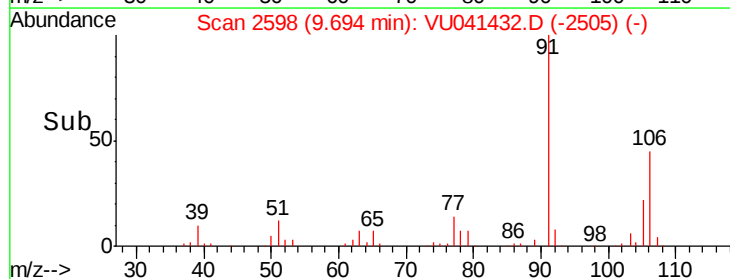
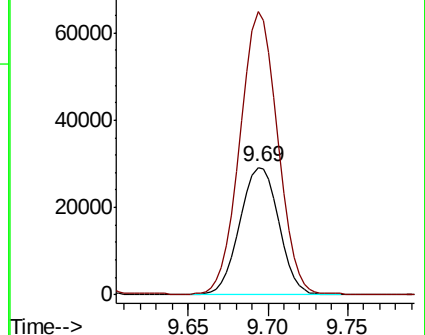
106 100

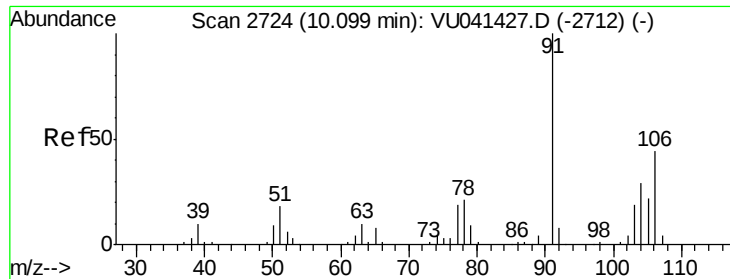
91 222.5 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041432.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041432.D (-2598) (-)

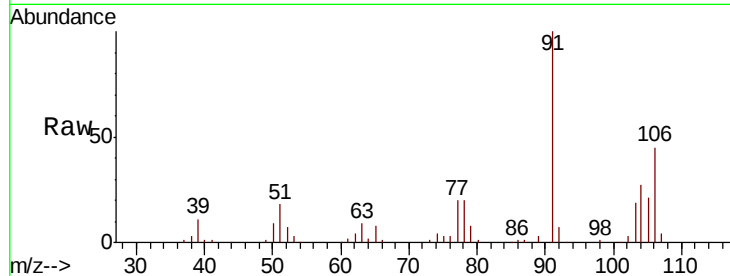




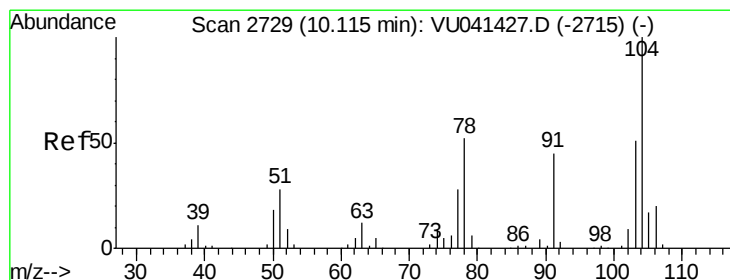
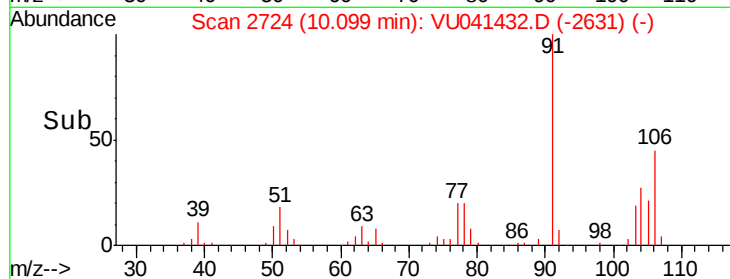
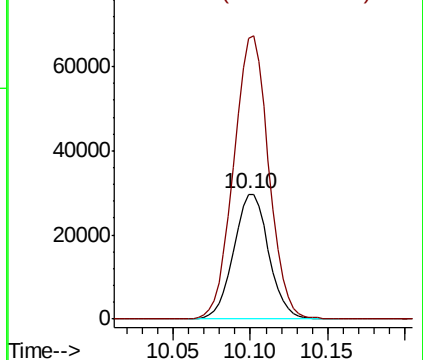
#54
o-Xylene
Concen: 5.592 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Instrument :
MSVOA_U
ClientSampleId :
VICV102

Tot Ion:106 Resp: 46644
Ion Ratio Lower Upper
106 100
91 224.3 159.3 295.9

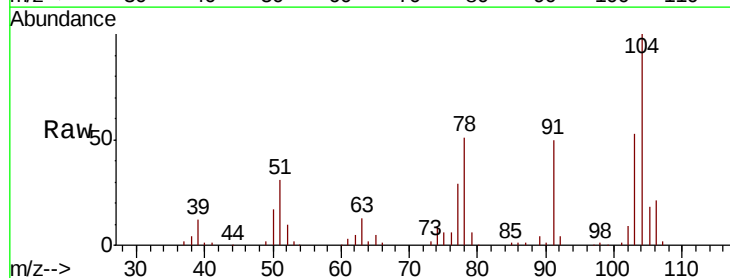


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

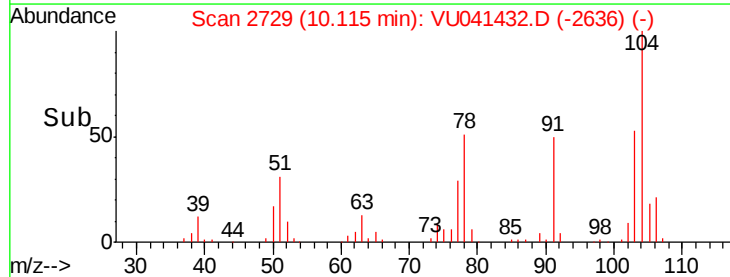
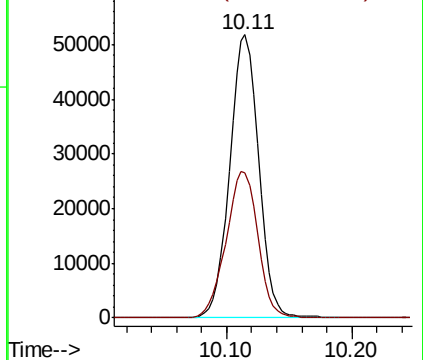


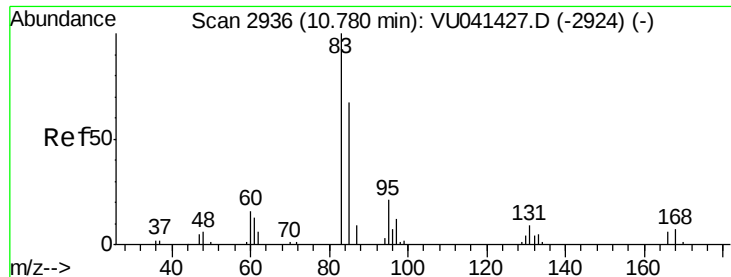
#55
Styrene
Concen: 5.674 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041432.D
Acq: 25 Nov 2020 15:12

Tgt Ion:104 Resp: 83196
Ion Ratio Lower Upper
104 100
78 51.1 36.4 67.6



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

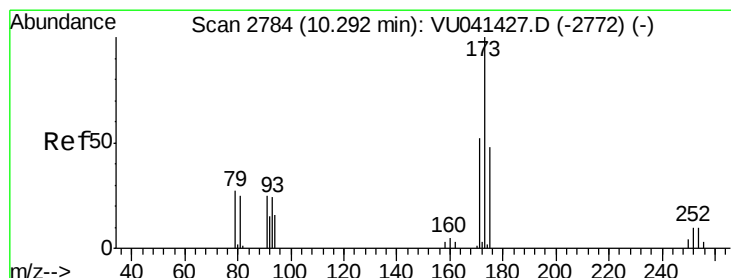
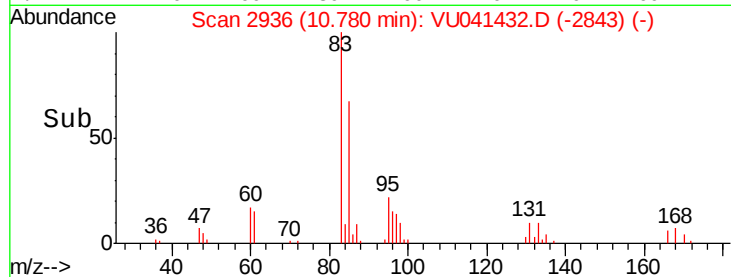
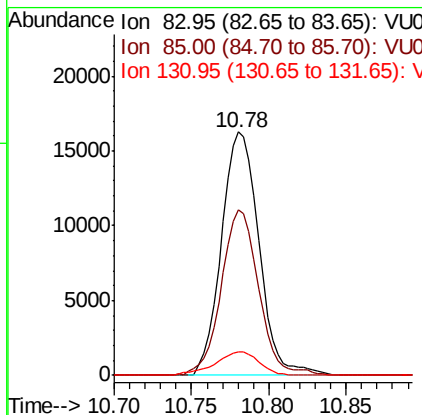
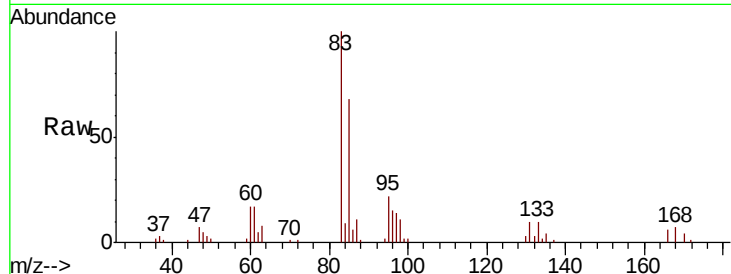




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.204 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

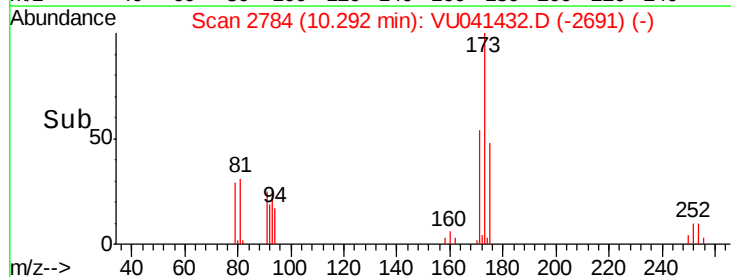
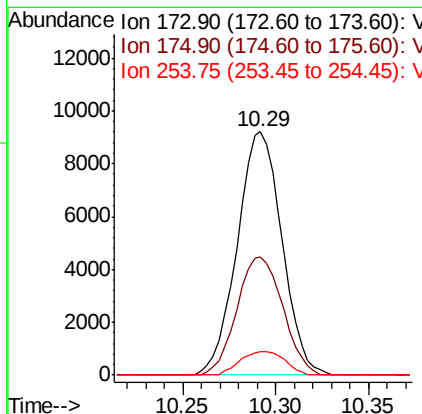
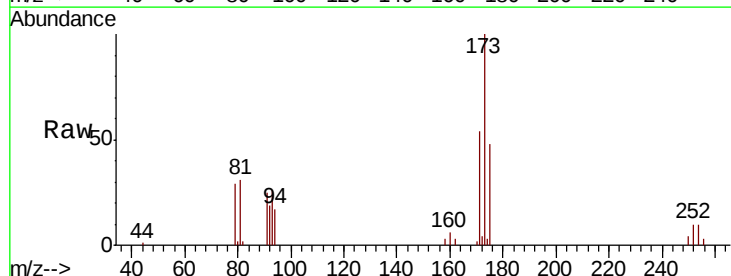
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

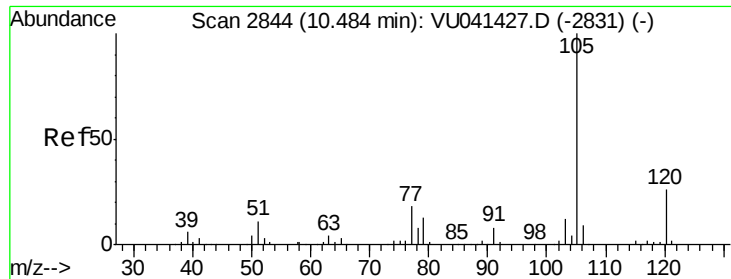
Tot Ion: 83 Resp: 27362
 Ion Ratio Lower Upper
 83 100
 85 67.7 47.2 87.6
 131 9.7 8.3 12.5



#59
 Bromoform
 Concen: 5.331 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion: 173 Resp: 15471
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.1 58.7
 254 9.7 7.2 10.8





#60

Isopropylbenzene

Concen: 5.857 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampled :

VICV102

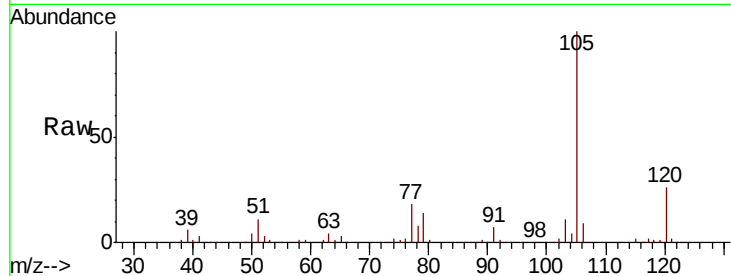
Tot Ion:105 Resp: 129844

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

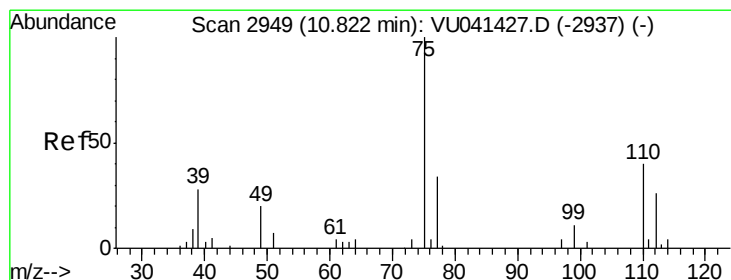
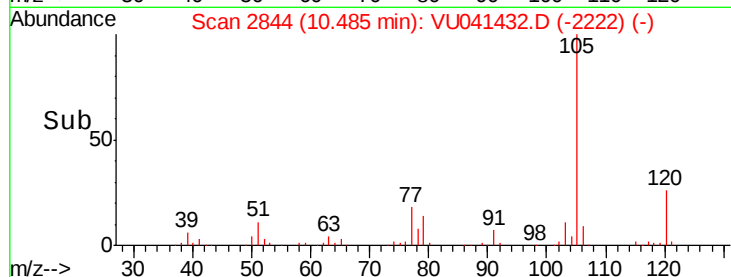
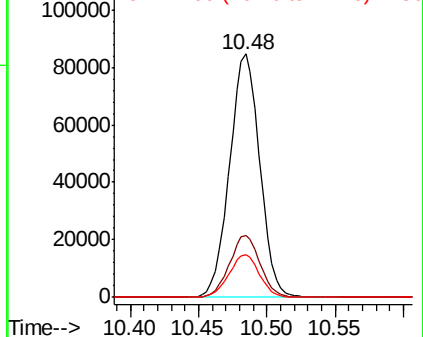
77 17.8 14.2 21.4



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): VU



#61

1,2,3-Trichloropropane

Concen: 5.348 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

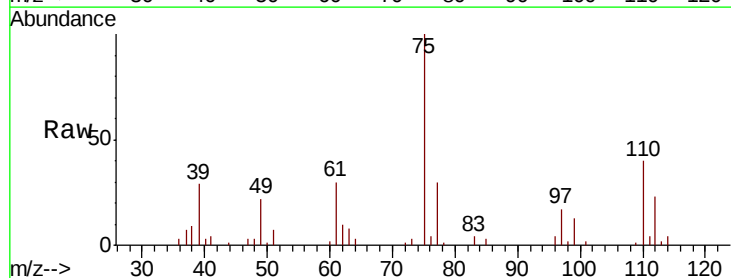
Tgt Ion: 75 Resp: 20902

Ion Ratio Lower Upper

75 100

110 39.7 31.0 46.4

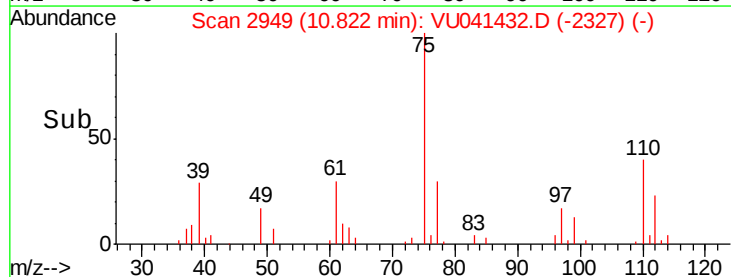
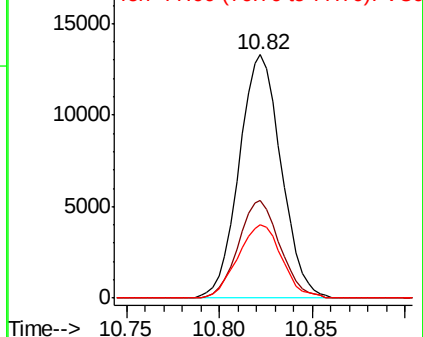
77 31.5 26.0 39.0

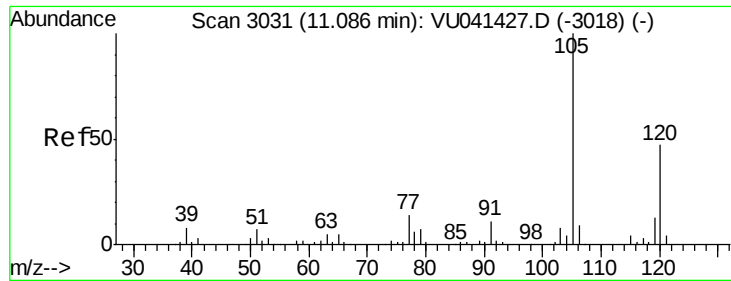


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

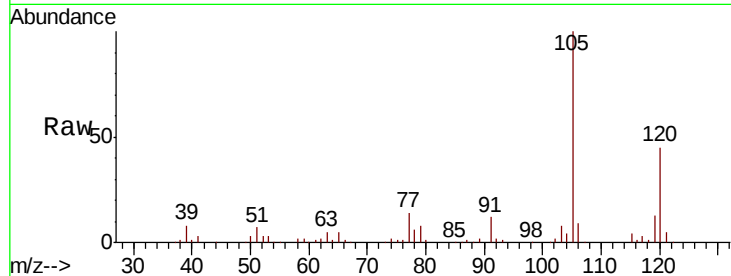




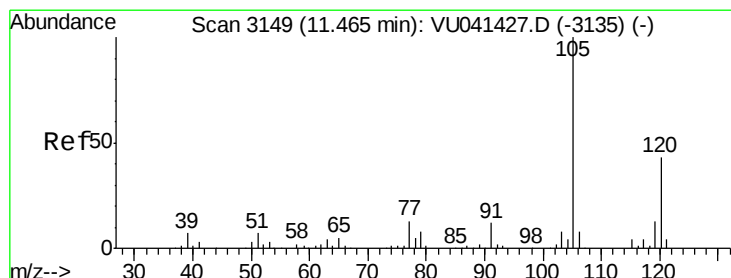
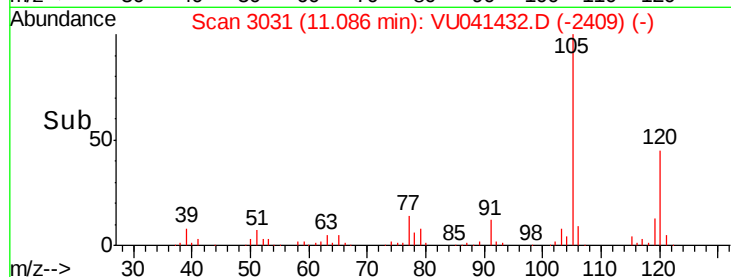
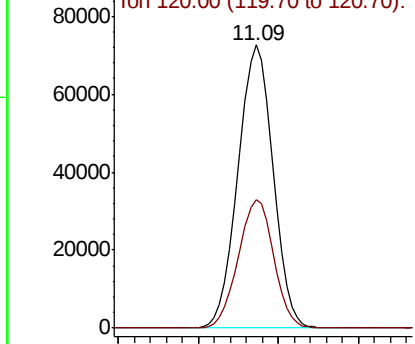
#62
 1,3,5-Trimethylbenzene
 Concen: 5.670 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Tot Ion:105 Resp: 108494
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.1 55.7

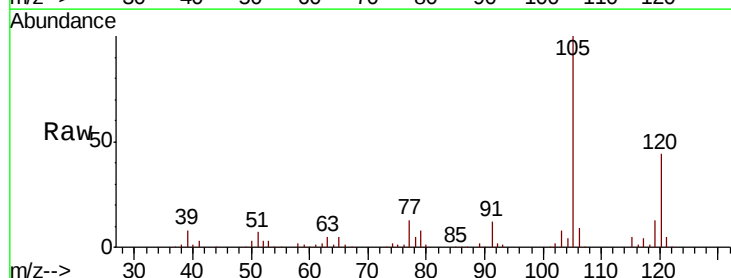


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

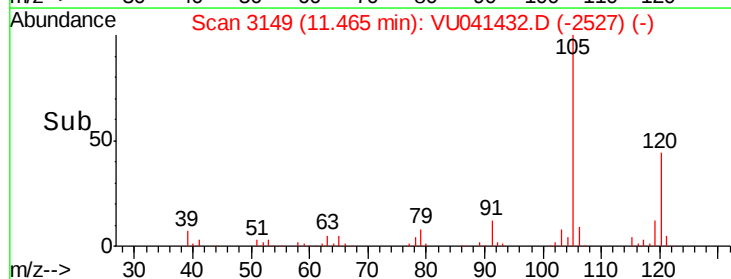
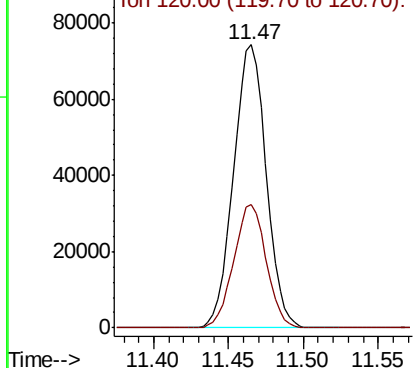


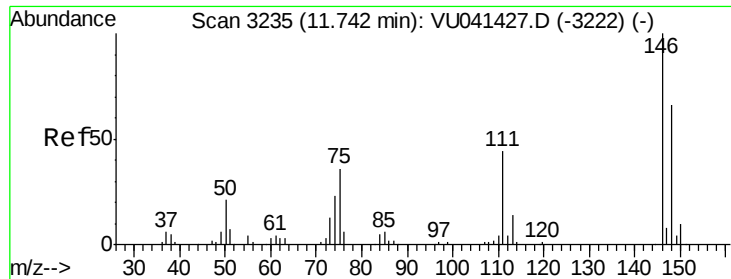
#63
 1,2,4-Trimethylbenzene
 Concen: 5.714 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion:105 Resp: 113027
 Ion Ratio Lower Upper
 105 100
 120 43.1 34.6 51.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

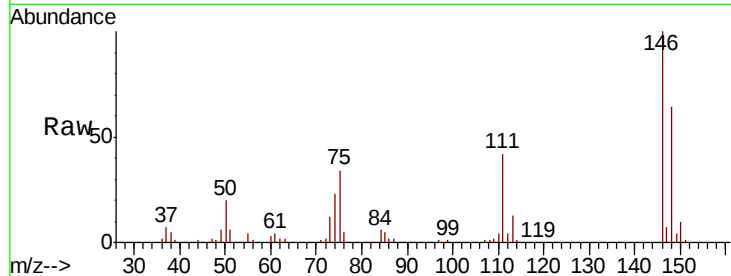




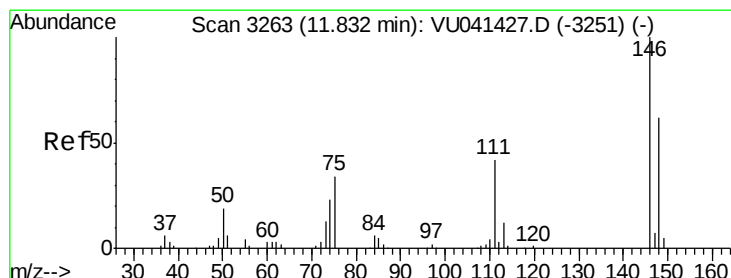
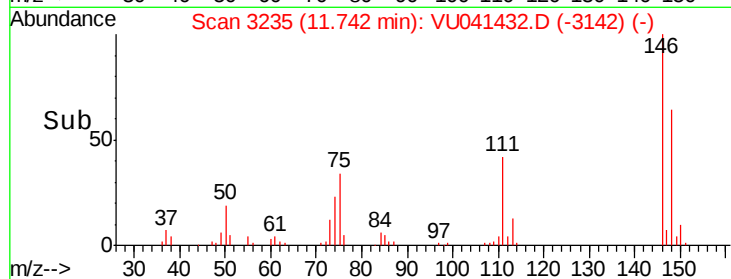
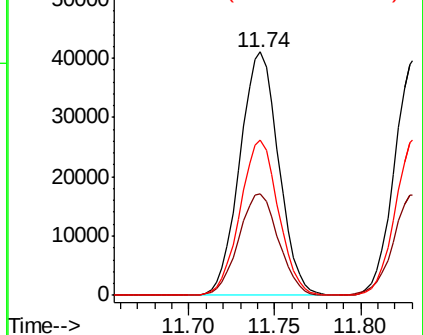
#64
 1,3-Dichlorobenzene
 Concen: 5.591 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

Tot Ion:146 Resp: 64221
 Ion Ratio Lower Upper
 146 100
 111 41.9 30.4 56.5
 148 63.9 46.3 85.9

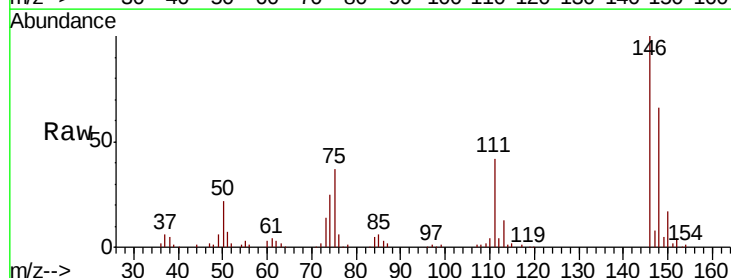


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

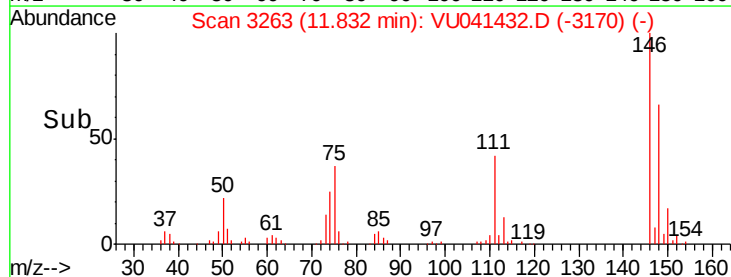
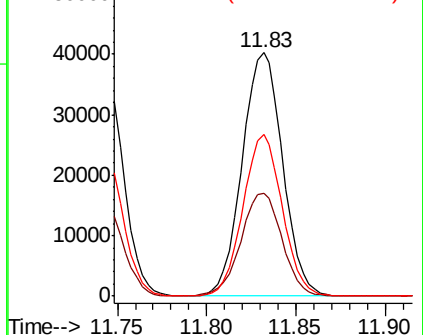


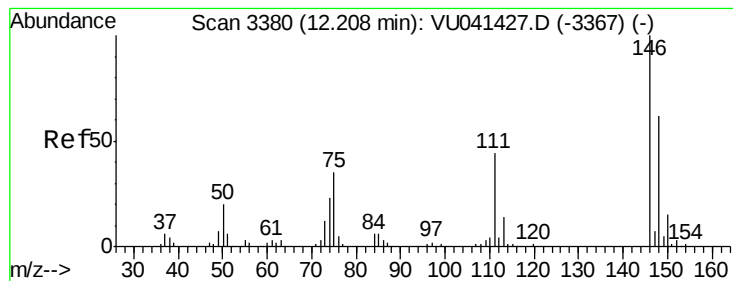
#65
 1,4-Dichlorobenzene
 Concen: 5.423 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion:146 Resp: 63935
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.5 54.9
 148 66.2 43.3 80.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 5.424 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampled :

VICV102

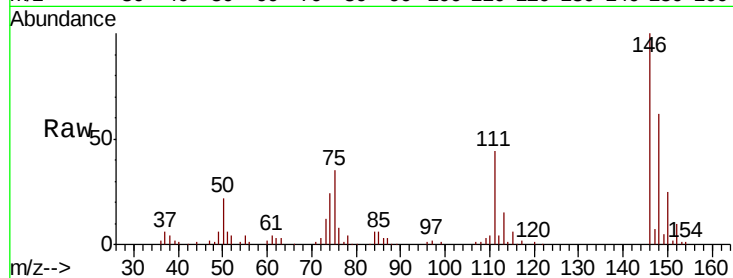
Tot Ion:146 Resp: 60563

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.2

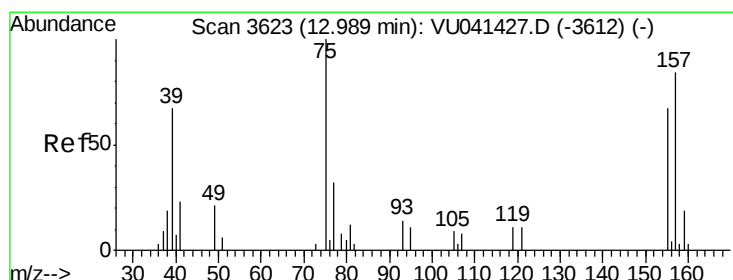
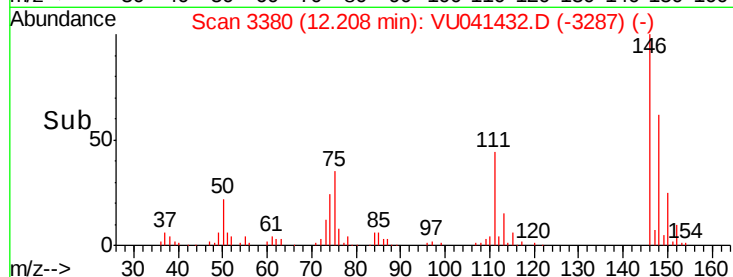
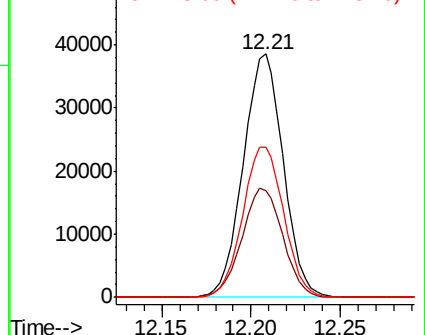
148 61.9 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 5.526 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

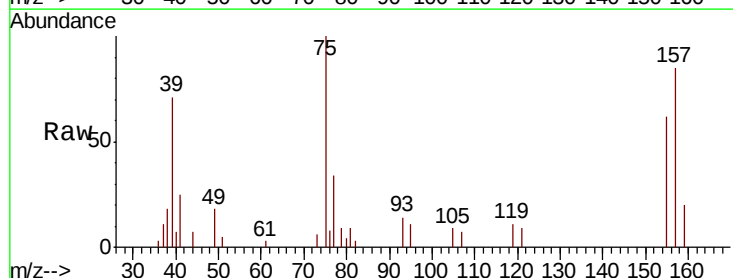
Tgt Ion: 75 Resp: 5611

Ion Ratio Lower Upper

75 100

155 61.9 53.8 80.6

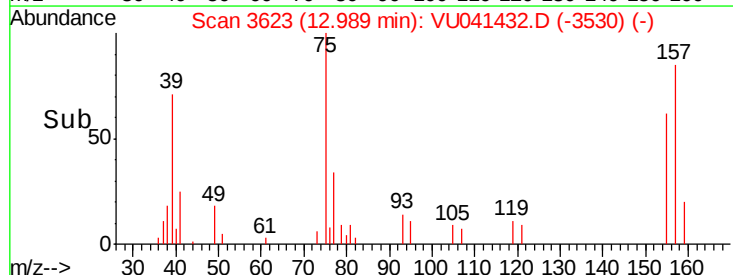
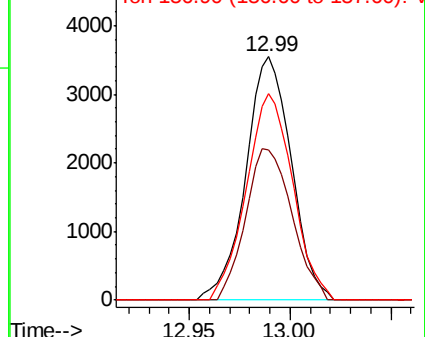
157 84.7 67.5 101.3

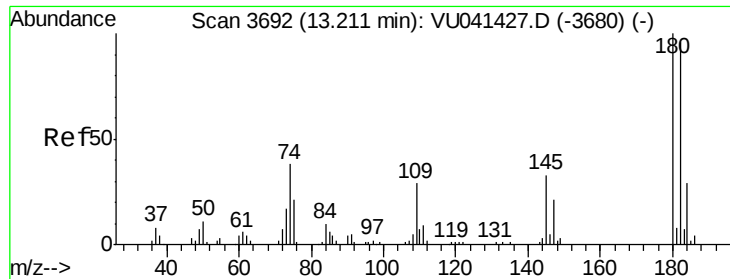


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

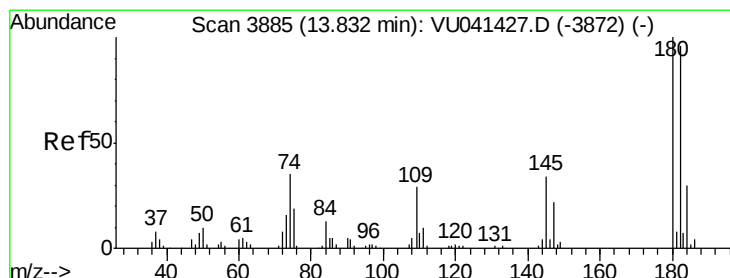
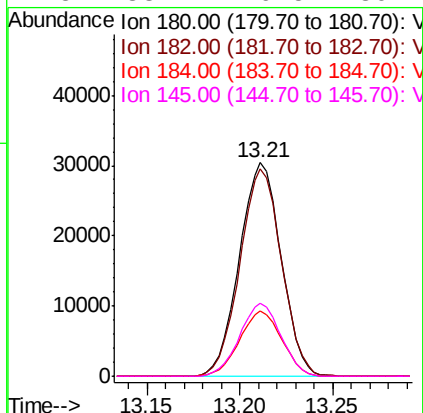
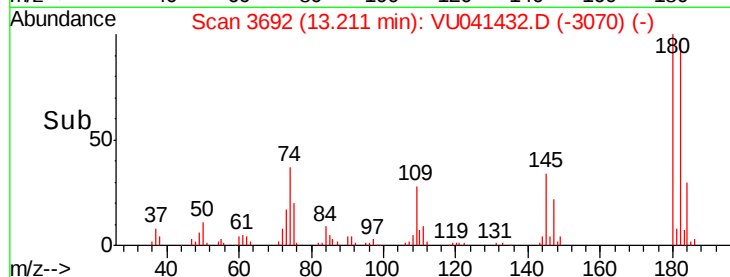
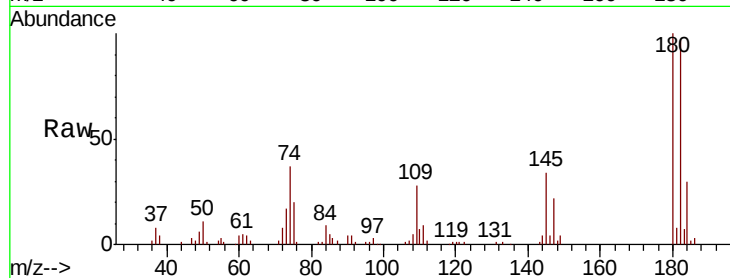




#69
 1,3,5-Trichlorobenzene
 Concen: 5.349 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

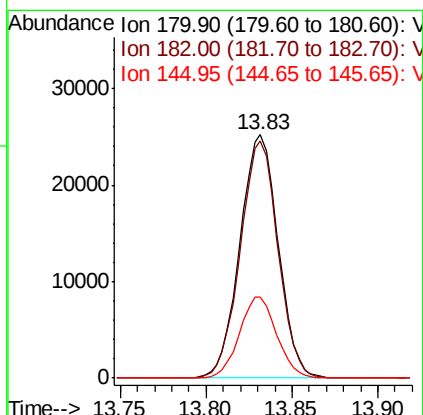
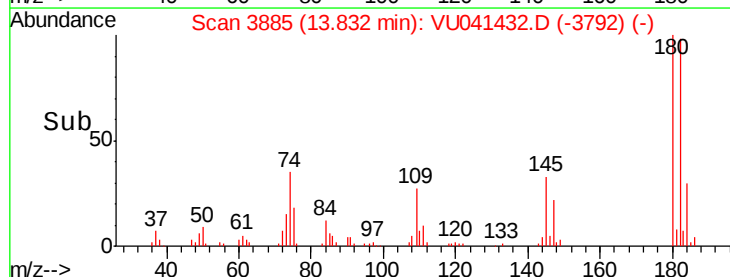
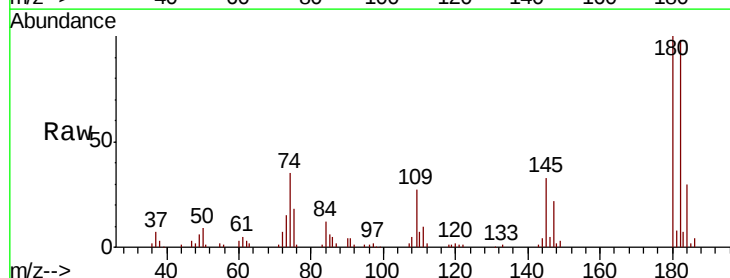
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV102

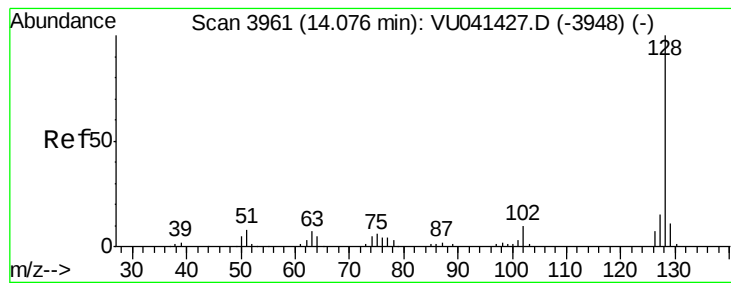
Tot Ion:180 Resp: 47448
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.5 114.7
 184 30.9 24.2 36.2
 145 33.7 26.5 39.7



#70
 1,2,4-trichlorobenzene
 Concen: 5.221 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041432.D
 Acq: 25 Nov 2020 15:12

Tgt Ion:180 Resp: 38862
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 145 32.4 26.6 39.8





#71

Naphthalene

Concen: 4.980 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

VICV102

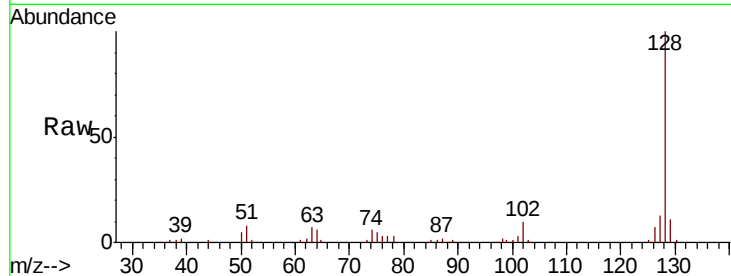
Tot Ion:128 Resp: 64101

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

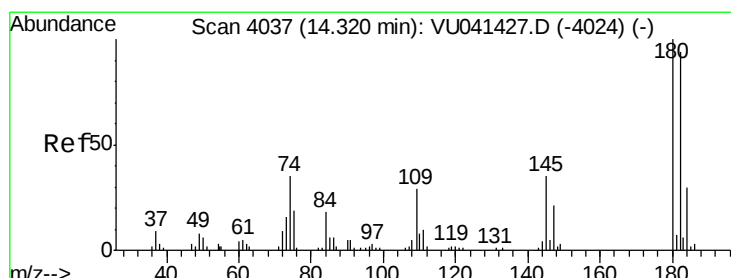
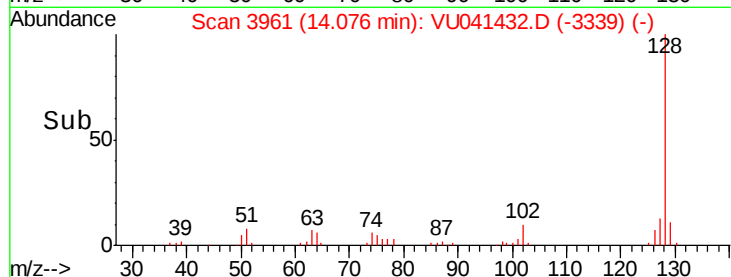
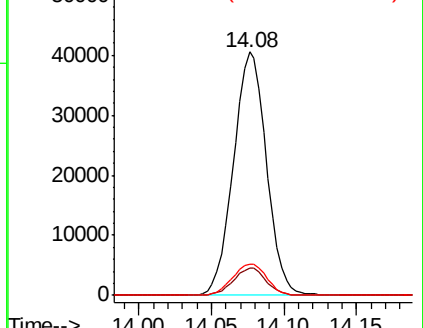
127 13.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.304 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041432.D

Acq: 25 Nov 2020 15:12

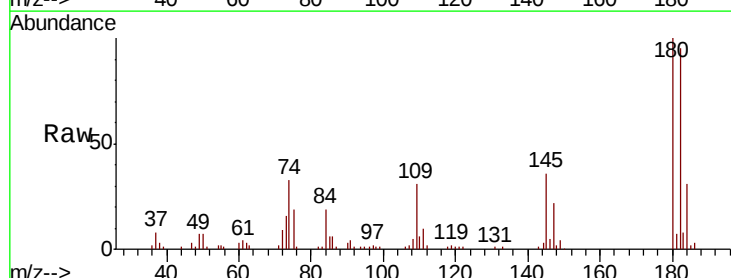
Tgt Ion:180 Resp: 36892

Ion Ratio Lower Upper

180 100

182 94.5 75.5 113.3

145 35.9 28.1 42.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

