

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U113020\
 Data File : VU041435.D
 Acq On : 30 Nov 2020 10:27
 Operator : SY/MD
 Sample : VSTD00134
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Quant Time: Dec 01 00:29:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 01 00:28:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61159	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62084	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	31713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	3955	0.82	ug/L	0.00
7) Chloroethane-d5	1.92	69	3193	0.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	1750	0.79	ug/L	0.00
20) 2-Butanone-d5	4.66	46	11903	9.24	ug/L	0.00
24) Chloroform-d	5.08	84	8807	0.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5880	0.98	ug/L	0.00
32) Benzene-d6	5.74	84	13939	0.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	4546	1.01	ug/L	0.00
41) Toluene-d8	7.91	98	12484	0.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	2218	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	7599	8.15	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	3924	0.84	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	5306	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	6393	0.897 ug/L	96
3) Chloromethane	1.52	50	4883	0.848 ug/L	95
5) Vinyl chloride	1.61	62	4769	0.848 ug/L	97
6) Bromomethane	1.86	94	2842	0.933 ug/L	87
8) Chloroethane	1.94	64	3652	1.046 ug/L	94
9) Trichlorofluoromethane	2.15	101	9431	0.937 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4121	0.872 ug/L	98
12) 1,1-Dichloroethene	2.59	96	3247	0.806 ug/L	90
13) Acetone	2.67	43	8730	8.896 ug/L	74
14) Carbon disulfide	2.81	76	10106	0.873 ug/L #	95
15) Methyl Acetate	2.97	43	1945	0.975 ug/L #	88
16) Methylene chloride	3.06	84	4610	0.760 ug/L	84
17) Methyl tert-butyl Ether	3.39	73	9851	0.851 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	3655	0.898 ug/L	92
19) 1,1-Dichloroethane	3.89	63	7815	0.949 ug/L	95
21) 2-Butanone	4.74	43	12005	8.576 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	3910	0.852 ug/L	97
23) Bromochloromethane	4.99	128	1976	0.895 ug/L	92
25) Chloroform	5.11	83	8897	0.914 ug/L	99
27) 1,2-Dichloroethane	5.81	62	6600	0.924 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	8357	0.950 ug/L	100
30) Cyclohexane	5.40	56	5379	0.859 ug/L	98
31) Carbon tetrachloride	5.54	117	7277	0.911 ug/L	95
33) Benzene	5.79	78	15612	0.899 ug/L	100
34) Trichloroethene	6.56	95	4152	0.893 ug/L	97
35) Methylcyclohexane	6.77	83	5510	0.856 ug/L	93
37) 1,2-Dichloropropane	6.81	63	3830	0.874 ug/L #	94
38) Bromodichloromethane	7.11	83	6302	0.908 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	6093	0.887 ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	27260	8.779 ug/L	98

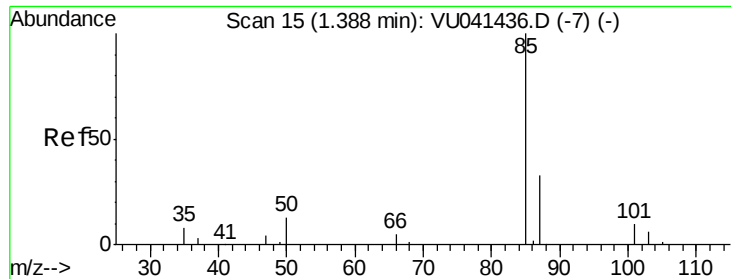
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	16400	0.881	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	5925	0.888	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	3133	0.889	ug/L	95
47) Tetrachloroethene	8.56	164	3355	0.929	ug/L	96
48) 2-Hexanone	8.69	43	20289	8.422	ug/L	99
49) Dibromochloromethane	8.81	129	4300	0.921	ug/L	88
50) 1,2-Dibromoethane	8.93	107	3073	0.885	ug/L #	92
51) Chlorobenzene	9.45	112	10731	0.851	ug/L	99
52) Ethylbenzene	9.57	91	17989	0.843	ug/L	99
53) m,p-Xylene	9.69	106	6111	0.792	ug/L	99
54) o-Xylene	10.10	106	6165	0.831	ug/L	93
55) Styrene	10.11	104	10599	0.808	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	3970	0.848	ug/L	93
59) Bromoform	10.29	173	2193	0.865	ug/L #	85
60) Isopropylbenzene	10.48	105	16455	0.849	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	3173	0.940	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	13534	0.820	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	13077	0.767	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	8911	0.901	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	9422	0.932	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	8798	0.918	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	835	0.952	ug/L	89
69) 1,3,5-Trichlorobenzene	13.21	180	6485	0.852	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	5188	0.818	ug/L	97
71) Naphthalene	14.08	128	7239	0.664	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	4418	0.745	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.897 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

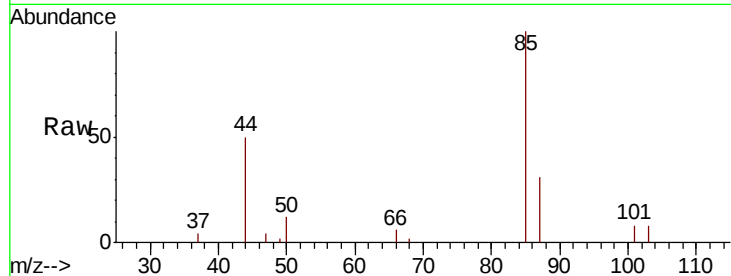
VSTD001204

Tot Ion: 85 Resp: 6393

Ion Ratio Lower Upper

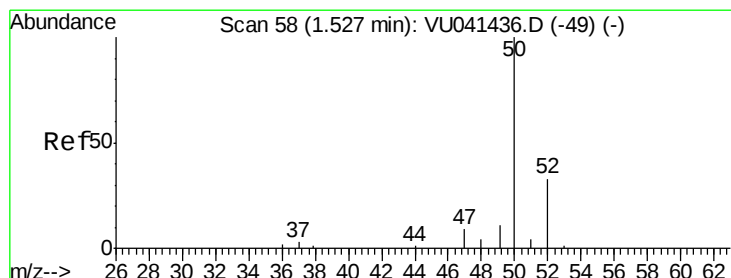
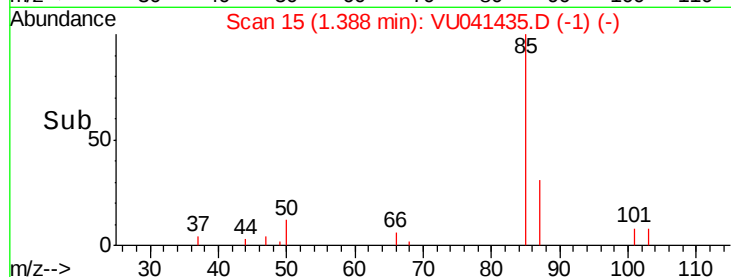
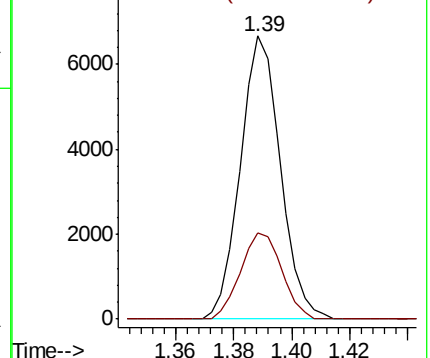
85 100

87 31.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.848 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041435.D

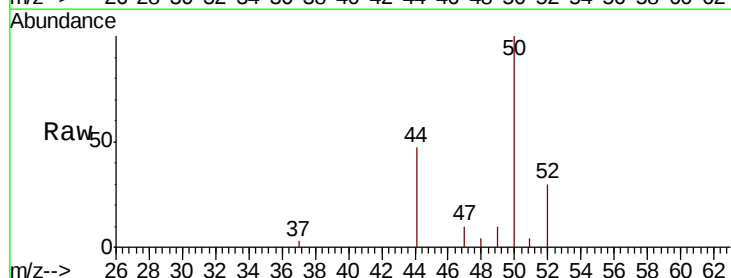
Acq: 30 Nov 2020 10:27

Tgt Ion: 50 Resp: 4883

Ion Ratio Lower Upper

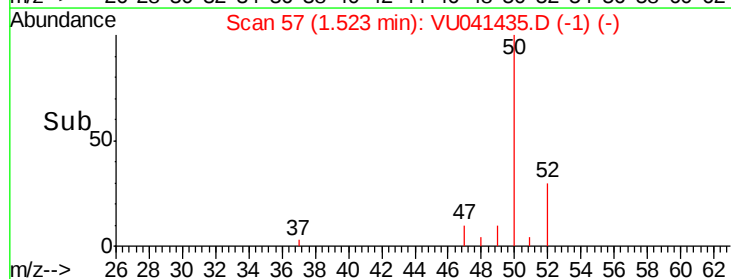
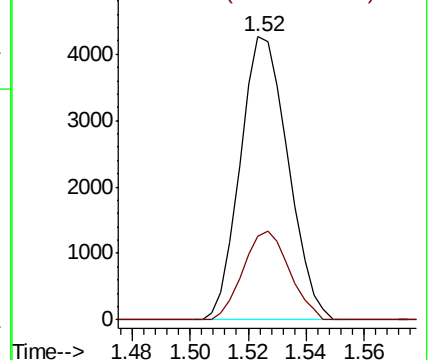
50 100

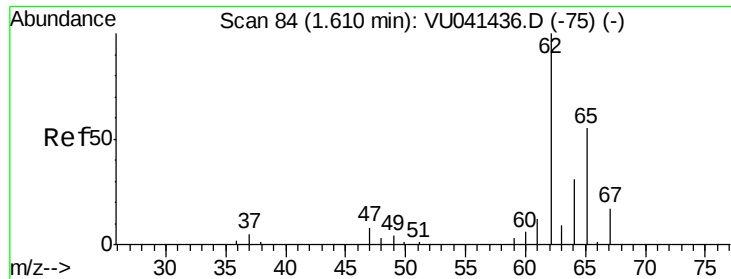
52 29.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.848 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

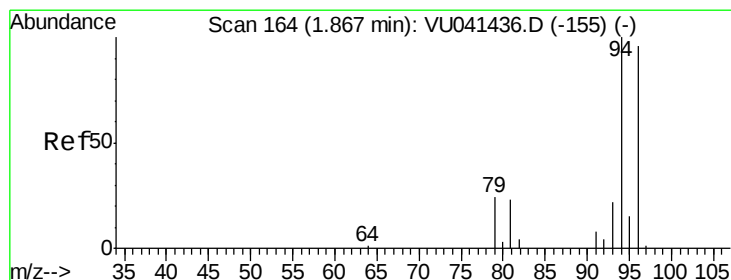
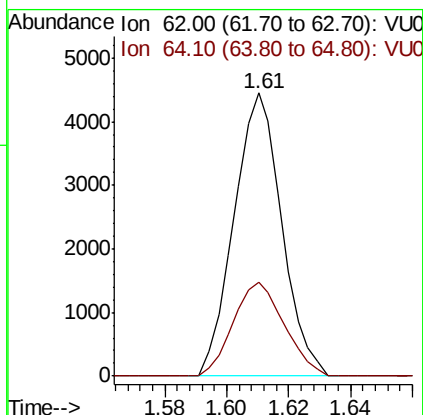
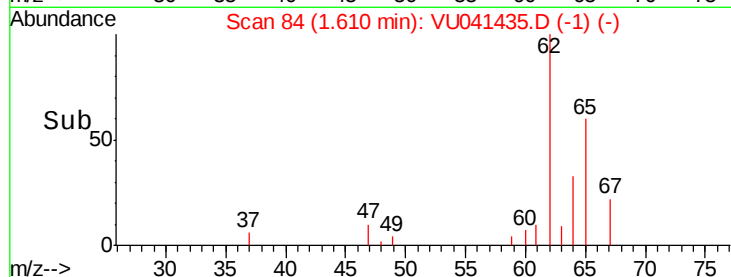
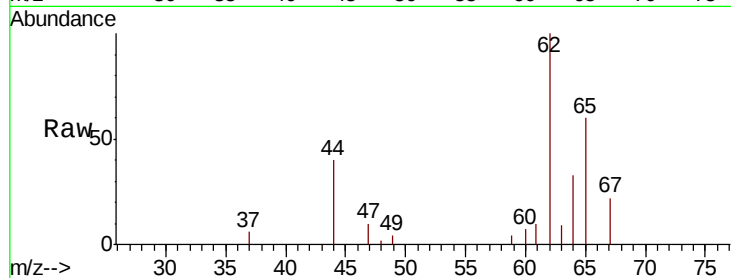
VSTD001204

Tot Ion: 62 Resp: 4769

Ion Ratio Lower Upper

62 100

64 33.1 22.0 40.8



#6

Bromomethane

Concen: 0.933 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041435.D

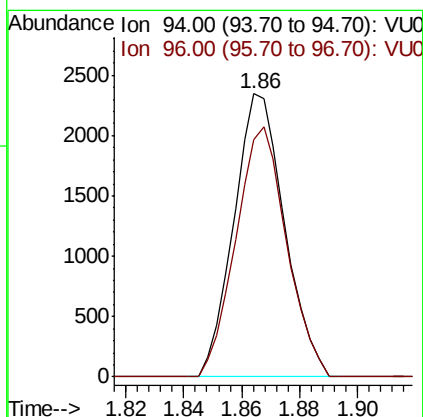
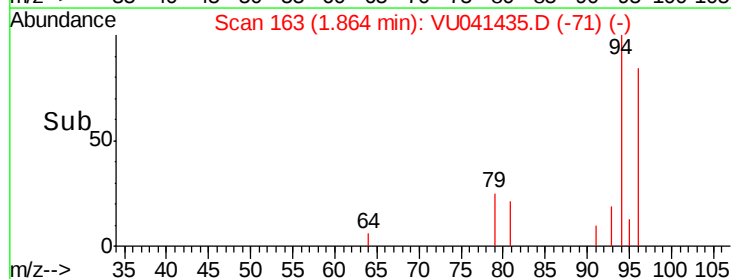
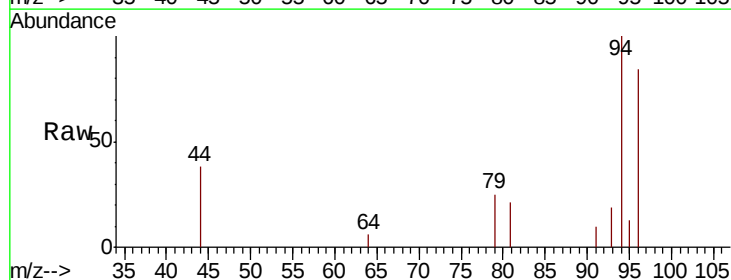
Acq: 30 Nov 2020 10:27

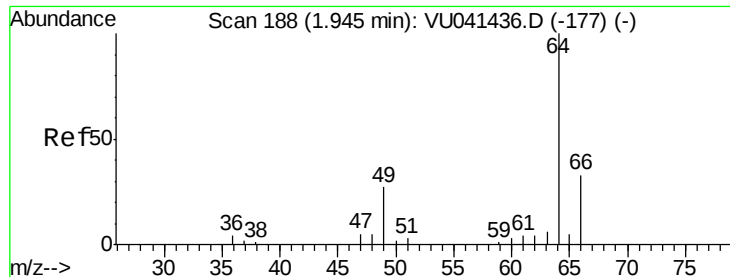
Tgt Ion: 94 Resp: 2842

Ion Ratio Lower Upper

94 100

96 83.6 67.5 125.3





#8

Chloroethane

Concen: 1.046 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

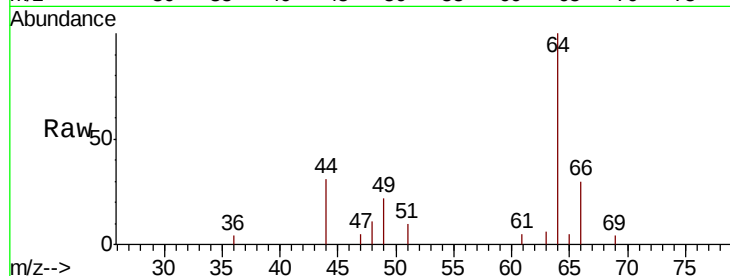
VSTD001204

Tot Ion: 64 Resp: 3652

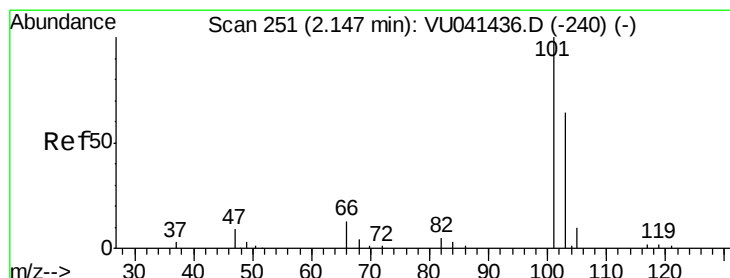
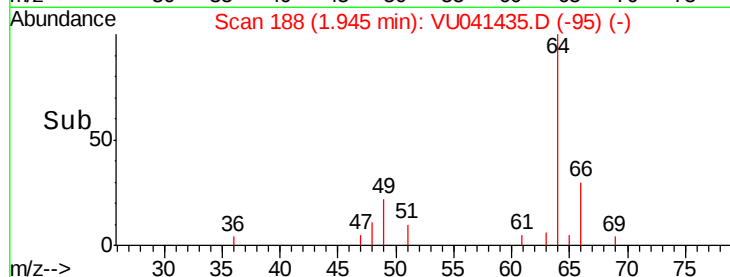
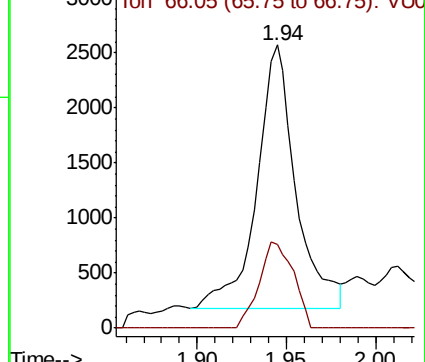
Ion Ratio Lower Upper

64 100

66 29.6 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VU041435.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.937 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041435.D

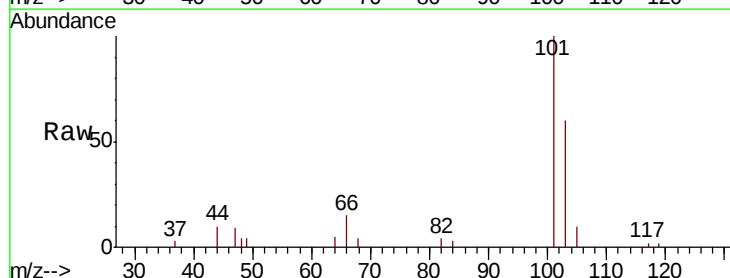
Acq: 30 Nov 2020 10:27

Tgt Ion: 101 Resp: 9431

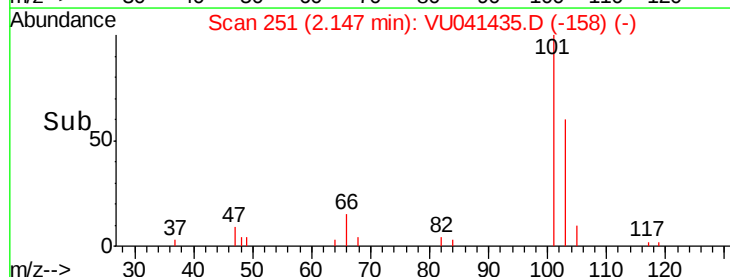
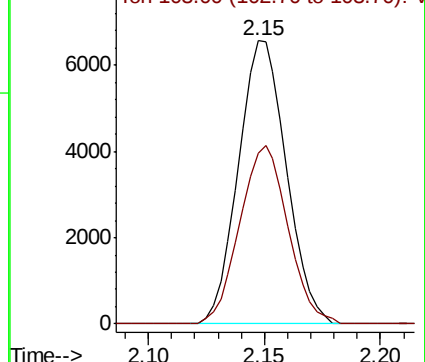
Ion Ratio Lower Upper

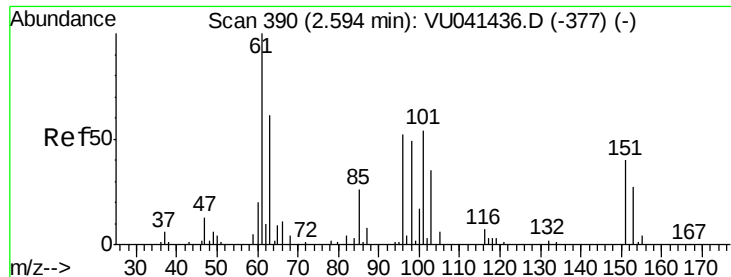
101 100

103 63.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU041435.D (-240) (-)





#10

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

Concen: 0.872 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001204

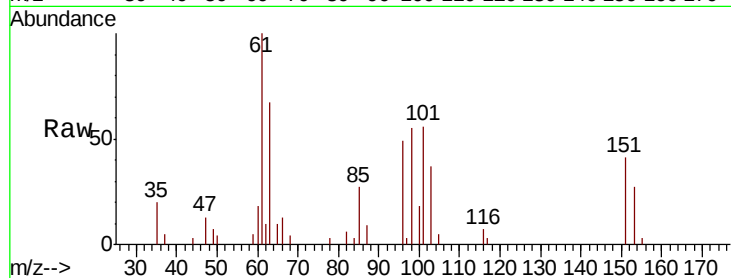
Tot Ion:101 Resp: 4121

Ion Ratio Lower Upper

101 100

85 47.0 39.4 59.0

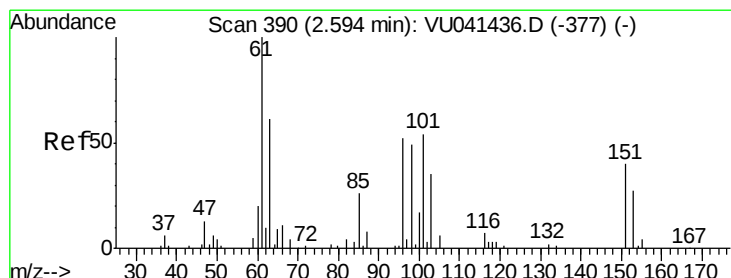
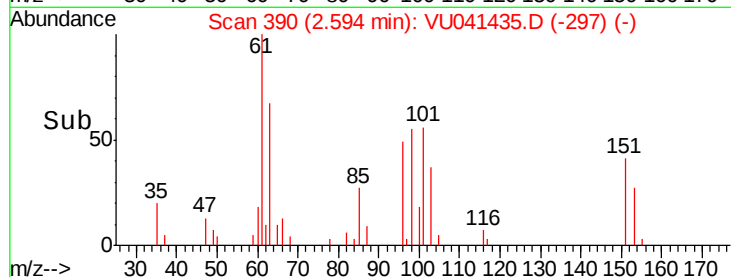
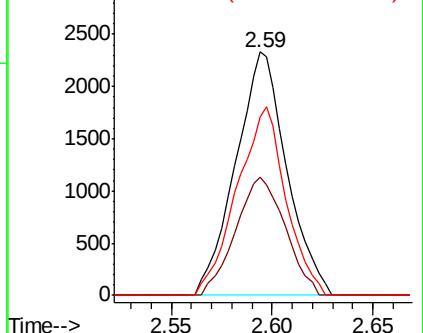
151 74.2 60.7 91.1



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: 0.806 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

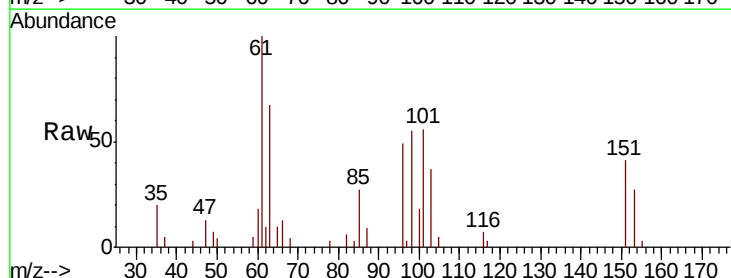
Tgt Ion: 96 Resp: 3247

Ion Ratio Lower Upper

96 100

61 204.8 133.3 247.7

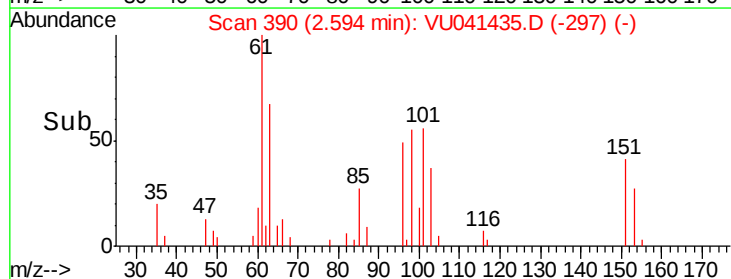
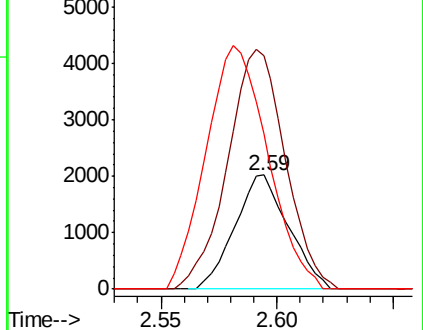
63 136.6 86.6 160.8

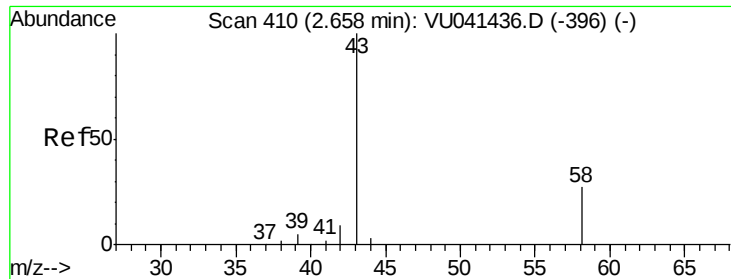


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.896 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

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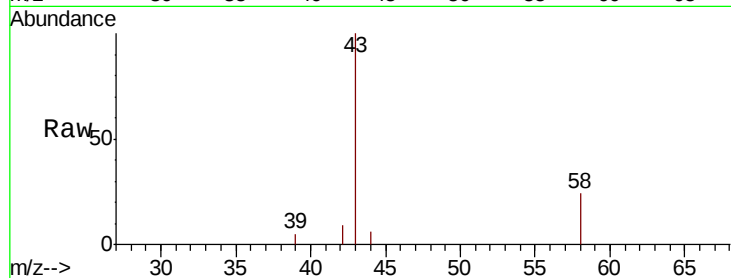
VSTD001204

Tot Ion: 43 Resp: 8730

Ion Ratio Lower Upper

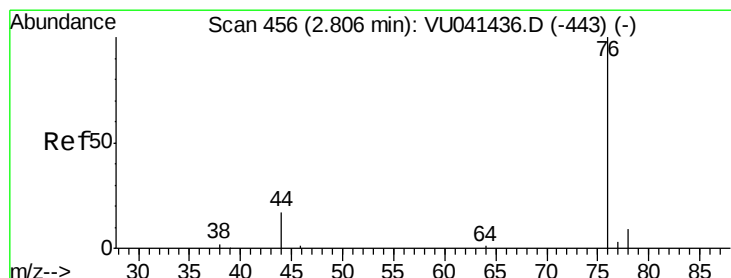
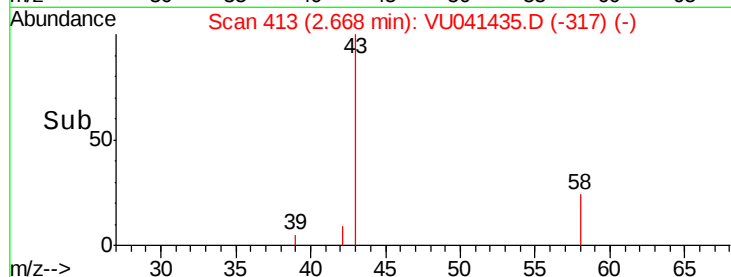
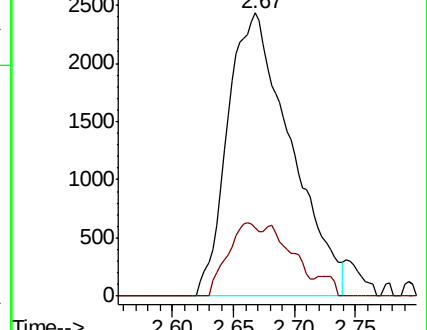
43 100

58 14.1 0.0 54.8



Abundance Ion 43.05 (42.75 to 43.75): VU041436.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041436.D (-396) (-)



#14

Carbon disulfide

Concen: 0.873 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041435.D

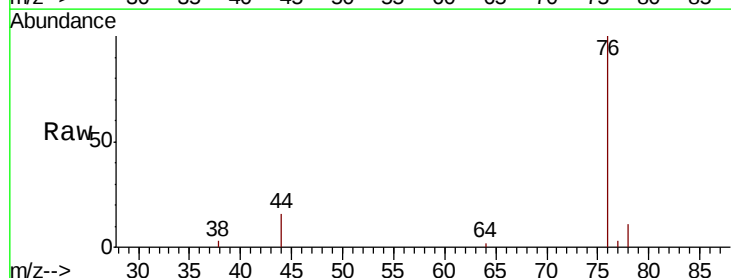
Acq: 30 Nov 2020 10:27

Tgt Ion: 76 Resp: 10106

Ion Ratio Lower Upper

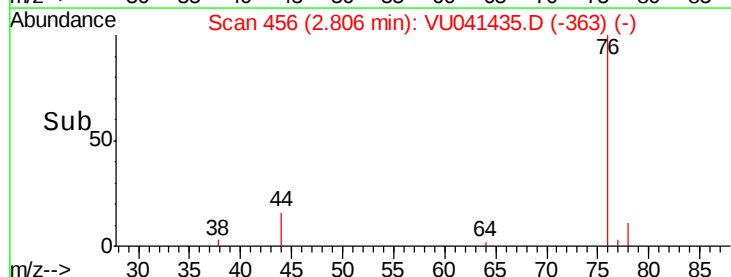
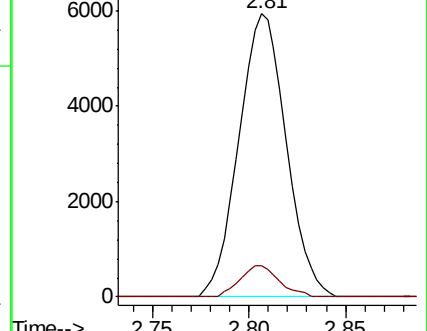
76 100

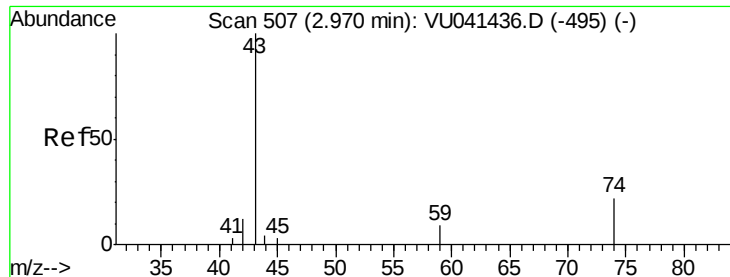
78 10.9 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU041436.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041436.D (-443) (-)





#15

Methyl Acetate

Concen: 0.975 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

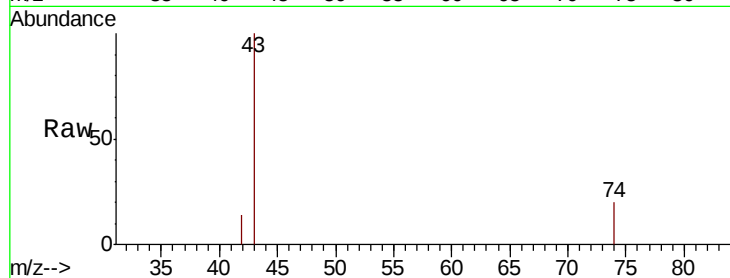
VSTD001204

Tot Ion: 43 Resp: 1945

Ion Ratio Lower Upper

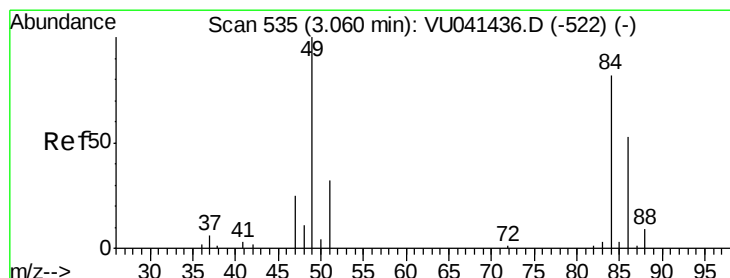
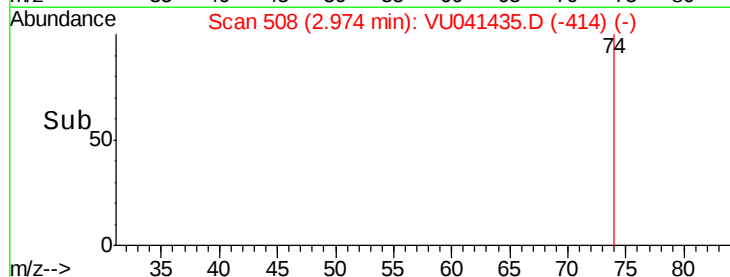
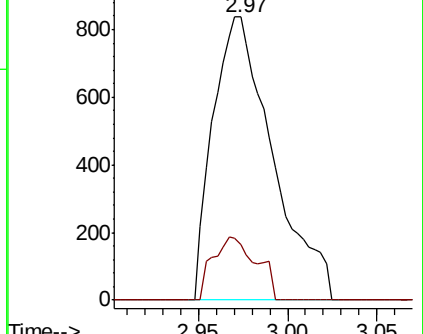
43 100

74 16.3 17.8 26.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.760 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

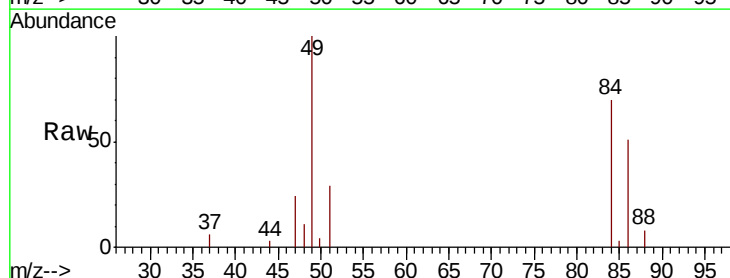
Tgt Ion: 84 Resp: 4610

Ion Ratio Lower Upper

84 100

86 71.9 44.8 83.2

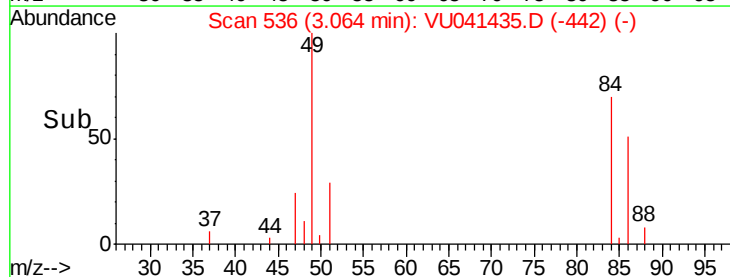
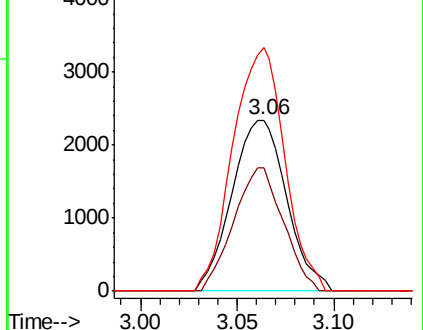
49 142.4 85.3 158.3

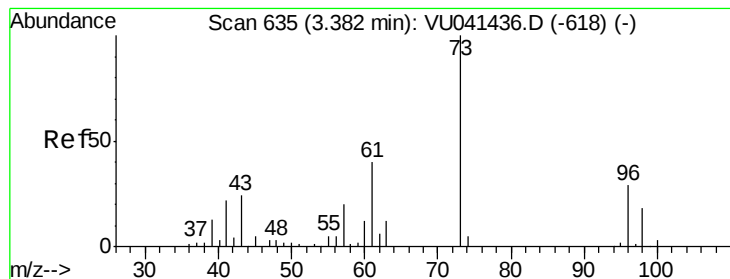


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



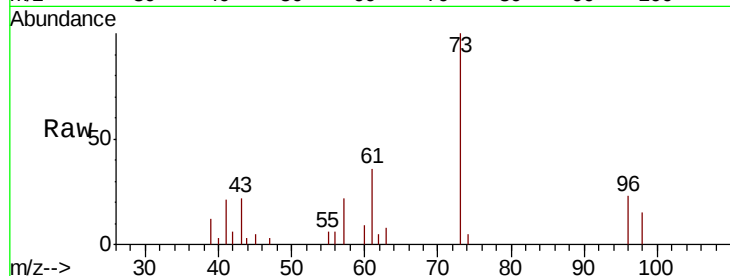


#17

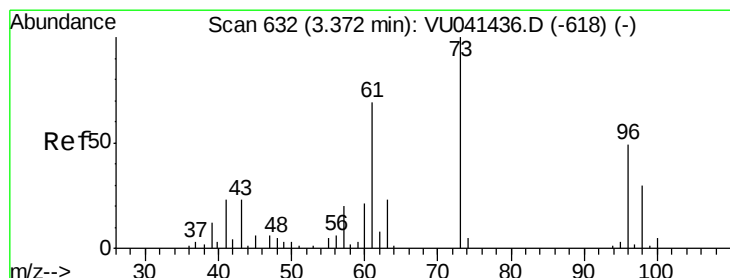
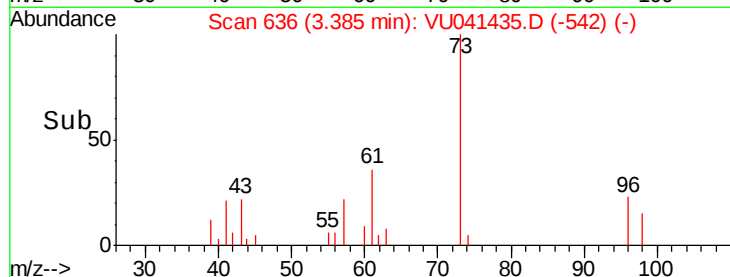
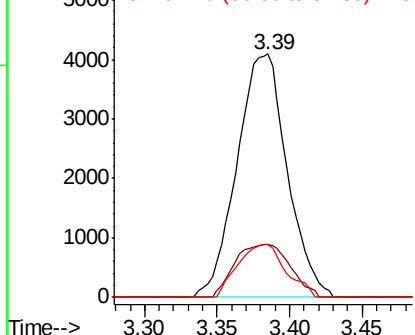
Methvl tert-butvl Ether
 Concen: 0.851 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion: 73 Resp: 9851
 Ion Ratio Lower Upper
 73 100
 43 23.8 19.2 28.8
 57 20.7 16.5 24.7



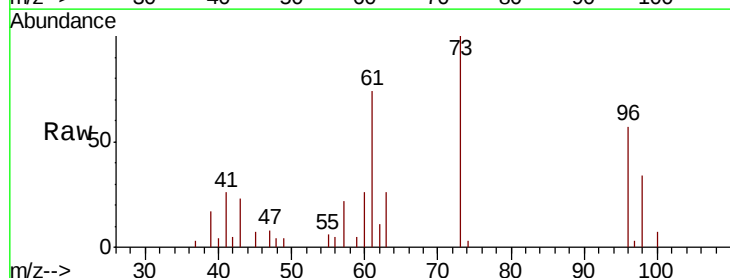
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



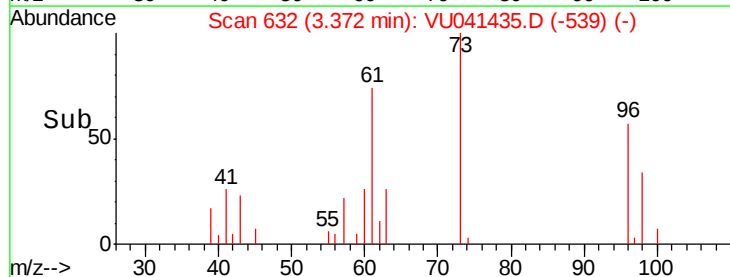
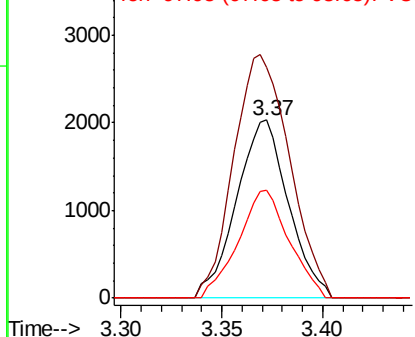
#18

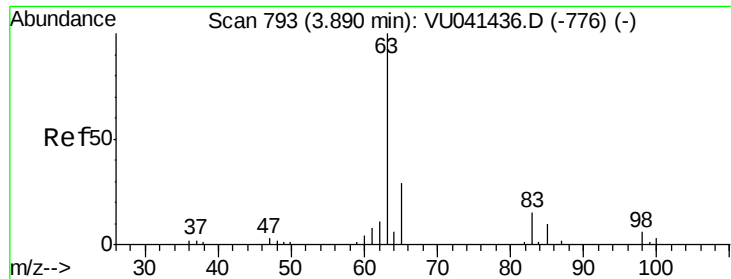
trans-1,2-Dichloroethene
 Concen: 0.898 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 96 Resp: 3655
 Ion Ratio Lower Upper
 96 100
 61 129.4 100.0 185.6
 98 60.3 42.6 79.2



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

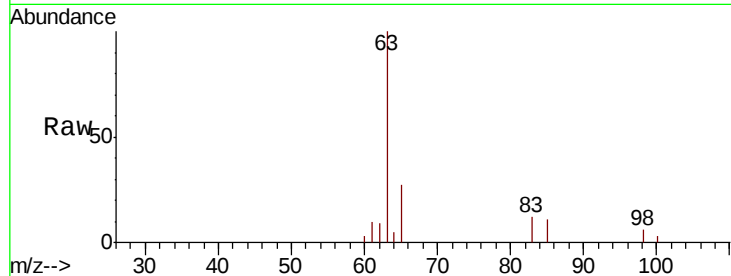




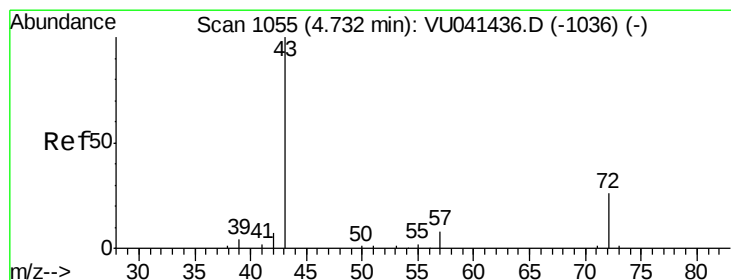
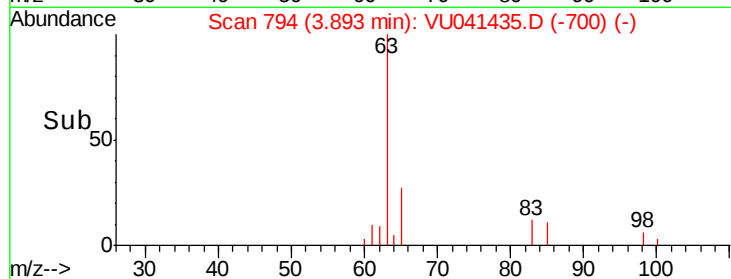
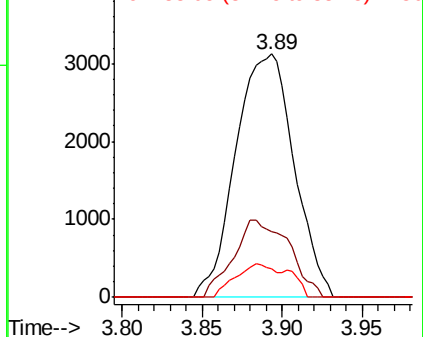
#19
 1,1-Dichloroethane
 Concen: 0.949 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion: 63 Resp: 7815
 Ion Ratio Lower Upper
 63 100
 65 27.2 20.2 37.6
 83 11.7 10.8 20.0

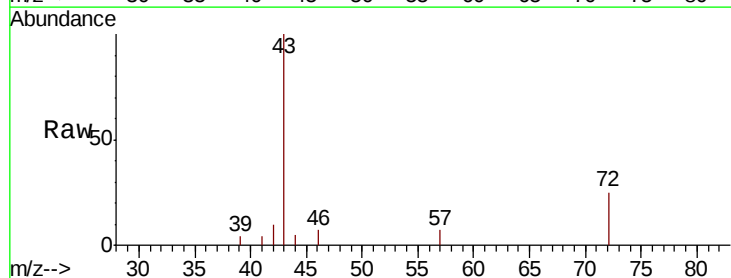


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

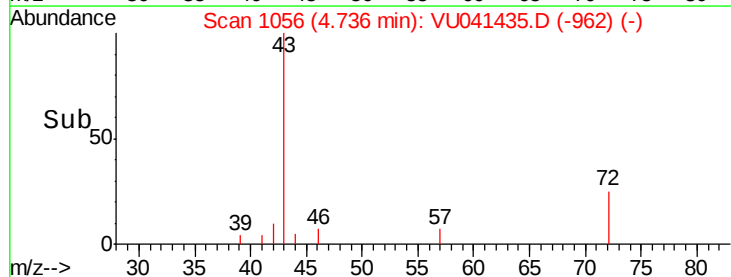
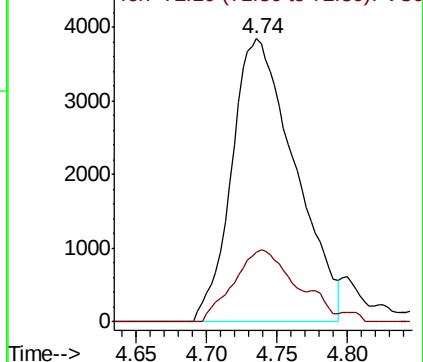


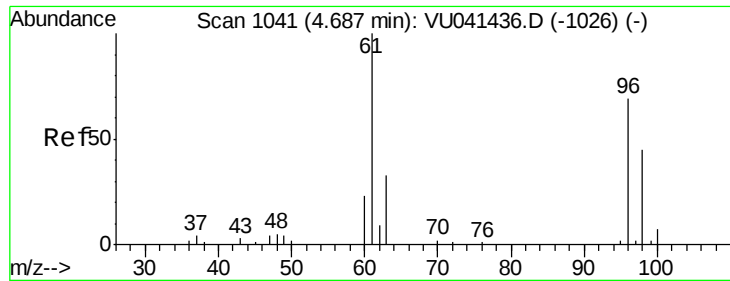
#21
 2-Butanone
 Concen: 8.576 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 43 Resp: 12005
 Ion Ratio Lower Upper
 43 100
 72 22.4 12.9 38.6



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: 0.852 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001204

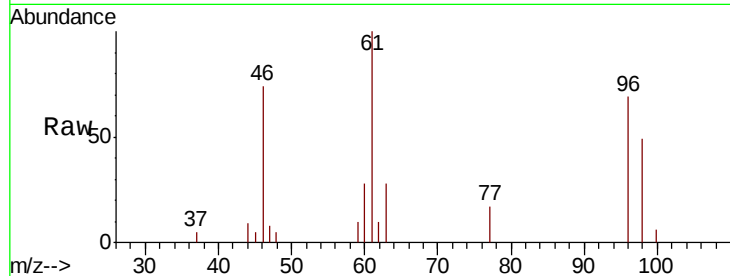
Tot Ion: 96 Resp: 3910

Ion Ratio Lower Upper

96 100

61 143.9 102.2 189.8

98 70.9 45.6 84.6

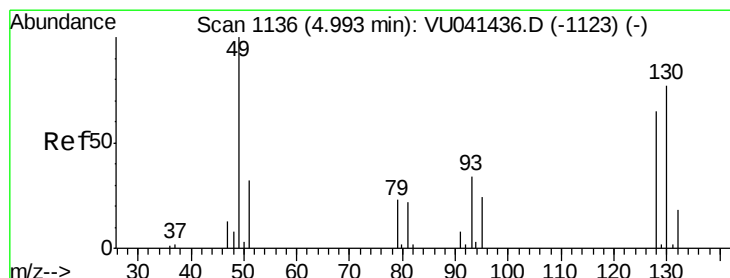
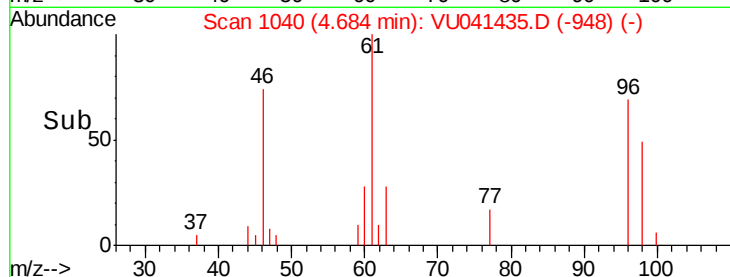
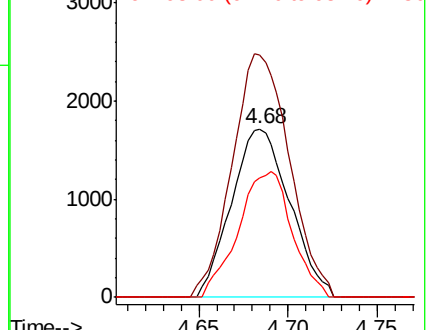


Abundance

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: 0.895 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Tgt Ion: 128 Resp: 1976

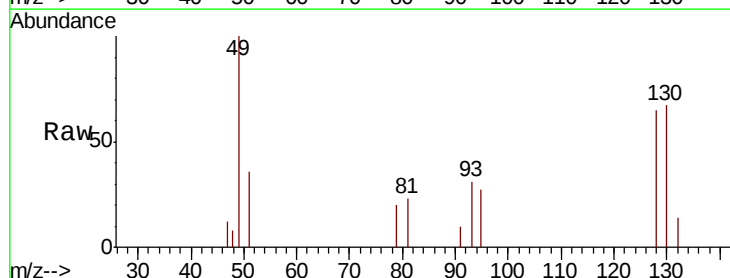
Ion Ratio Lower Upper

128 100

49 154.2 110.3 204.9

130 103.9 84.4 156.8

51 56.1 39.3 58.9



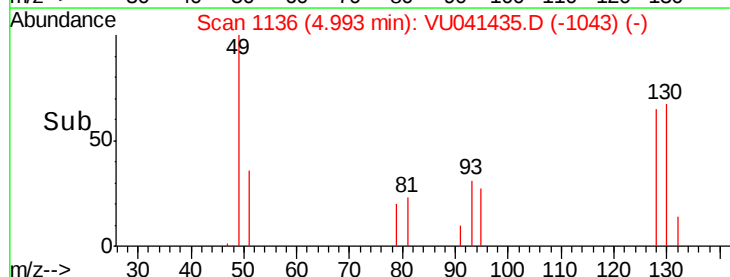
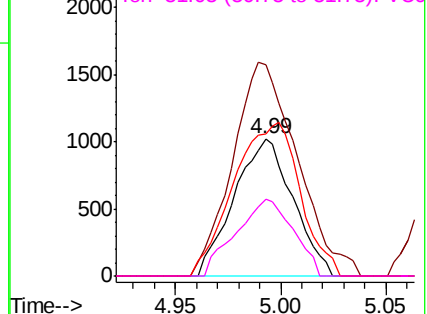
Abundance

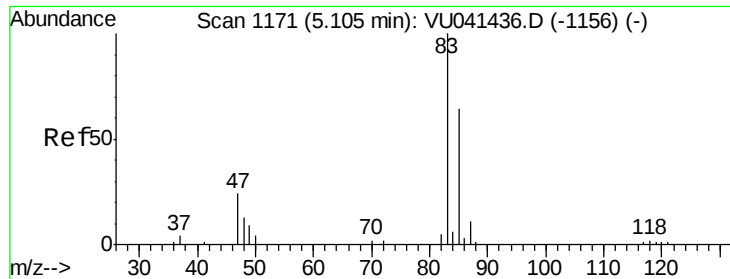
Ion 127.90 (127.60 to 128.60): V

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

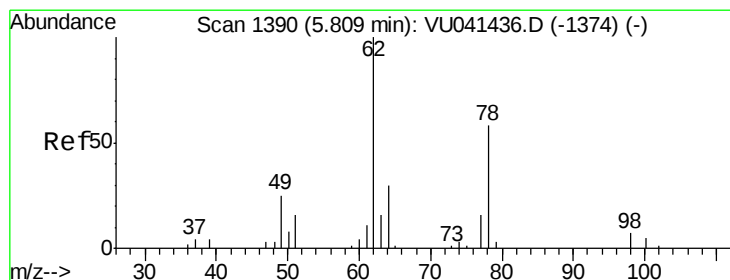
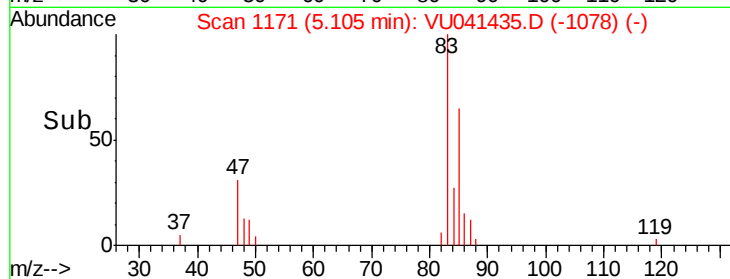
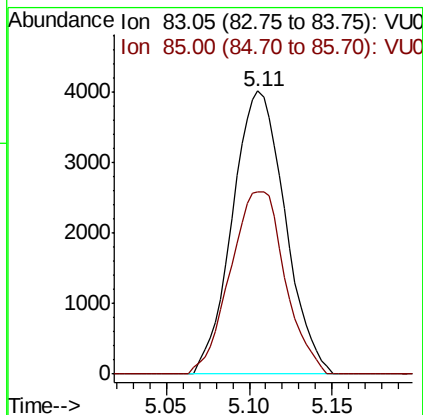
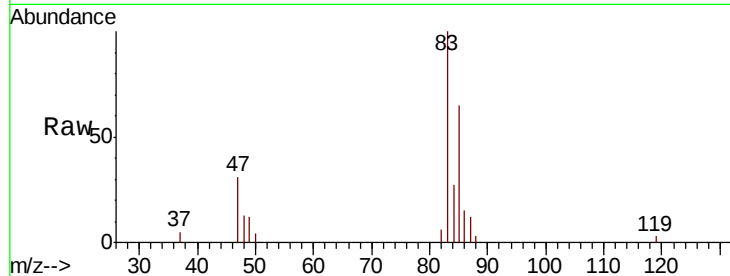




#25
Chloroform
Concen: 0.914 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

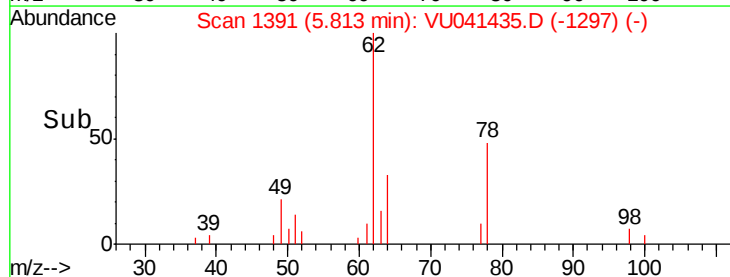
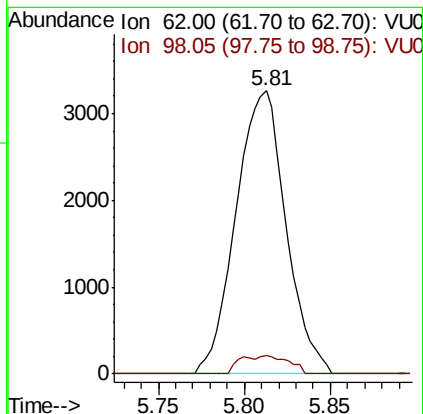
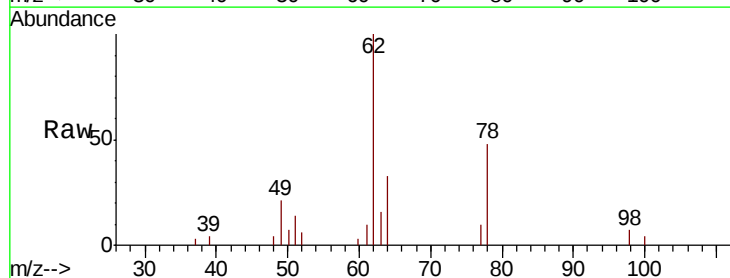
Instrument :
MSVOA_U
ClientSampleId :
VSTD001204

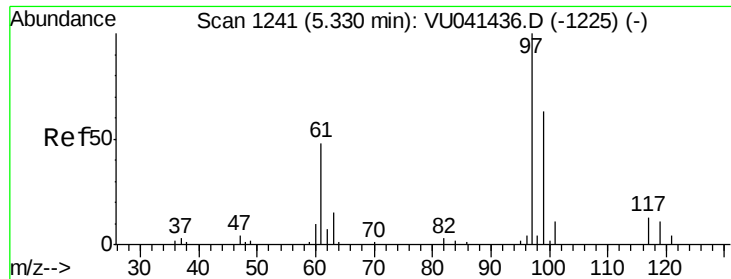
Tot Ion: 83 Resp: 8897
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.924 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

Tgt Ion: 62 Resp: 6600
Ion Ratio Lower Upper
62 100
98 6.6 5.4 8.0

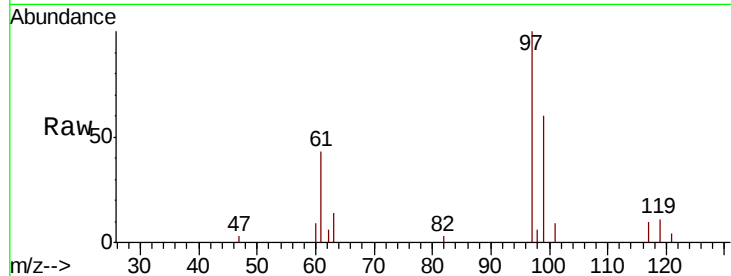




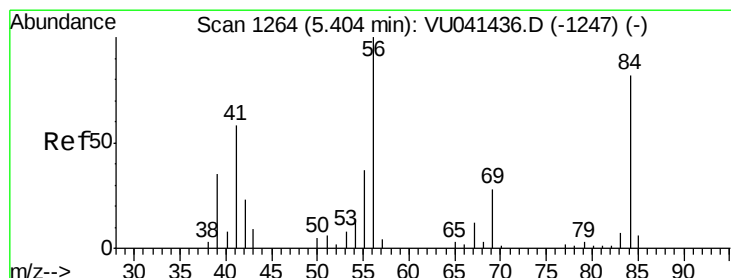
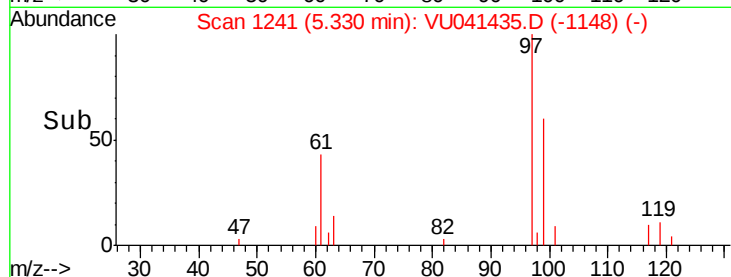
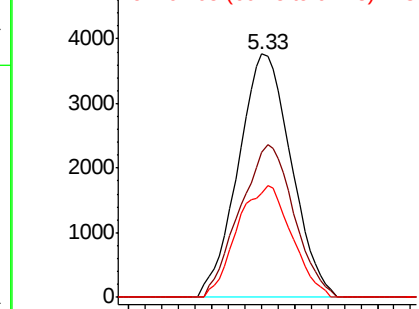
#29
 1,1,1-Trichloroethane
 Concen: 0.950 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion: 97 Resp: 8357
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 47.1 38.1 57.1

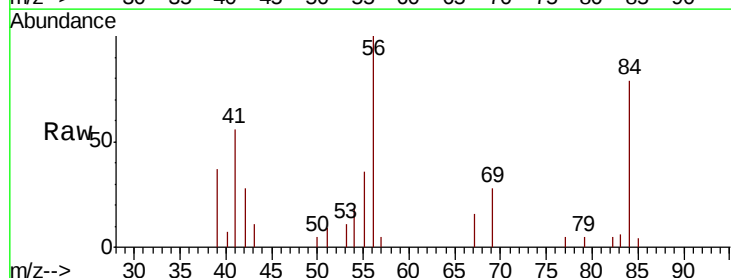


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

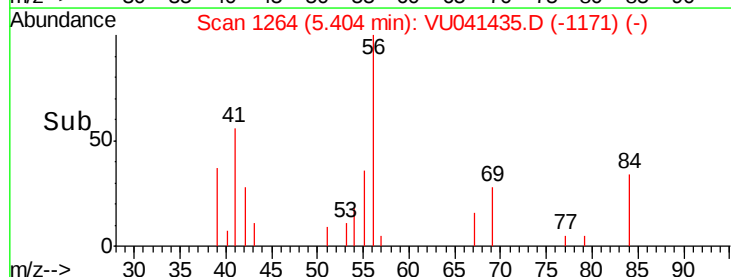
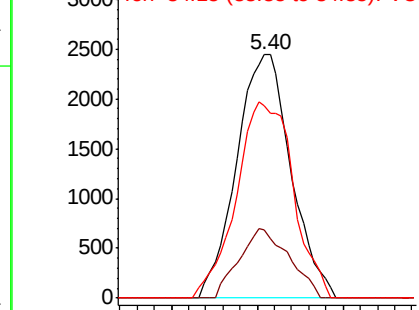


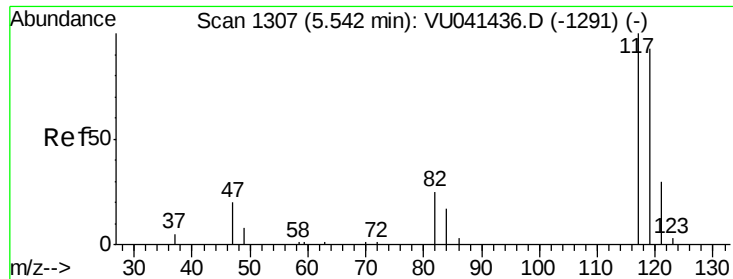
#30
 Cyclohexane
 Concen: 0.859 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 56 Resp: 5379
 Ion Ratio Lower Upper
 56 100
 69 26.1 23.2 34.8
 84 84.1 67.8 101.6



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: 0.911 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

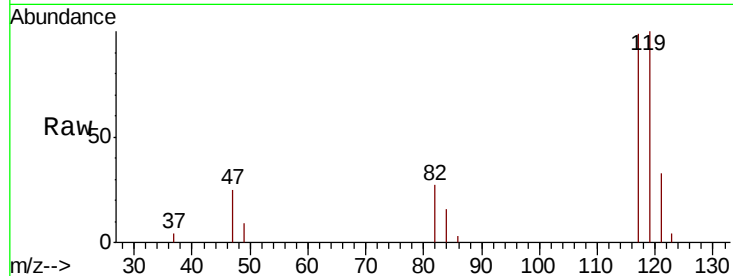
VSTD001204

Tot Ion:117 Resp: 7277

Ion Ratio Lower Upper

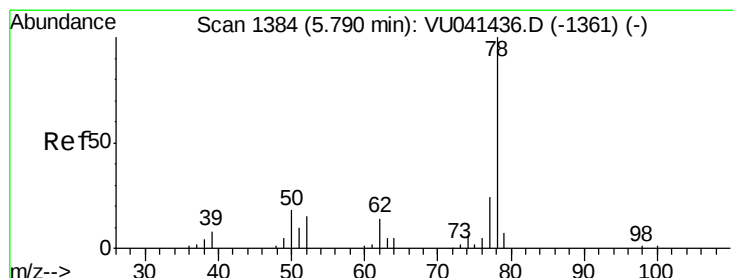
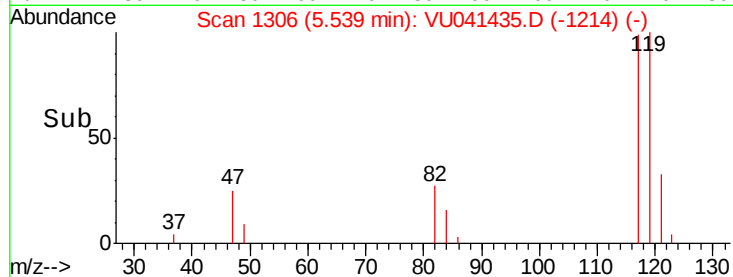
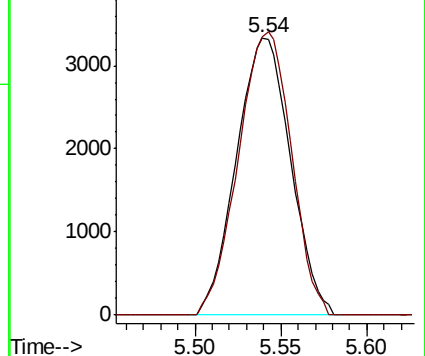
117 100

119 100.0 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.899 ug/L

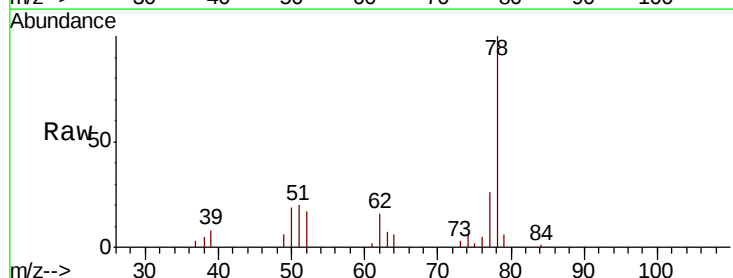
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

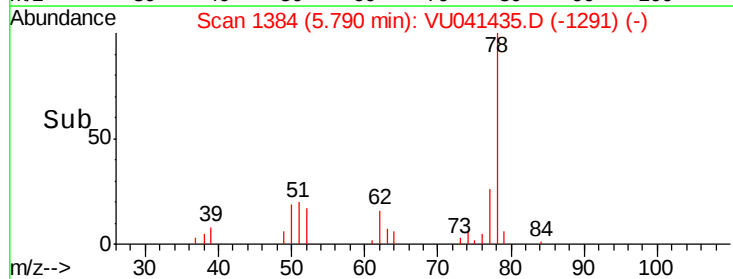
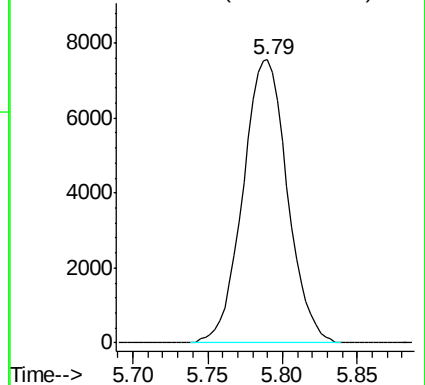
Lab File: VU041435.D

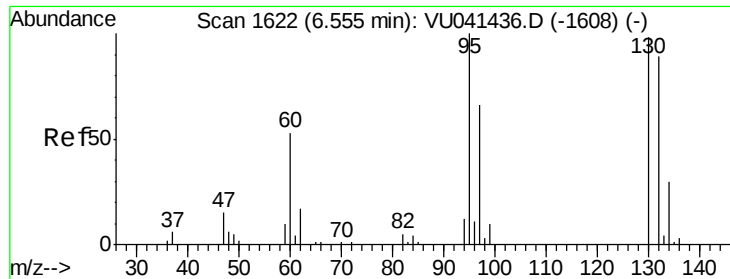
Acq: 30 Nov 2020 10:27

Tgt Ion: 78 Resp: 15612



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.893 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001204

Tot Ion: 95 Resp: 4152

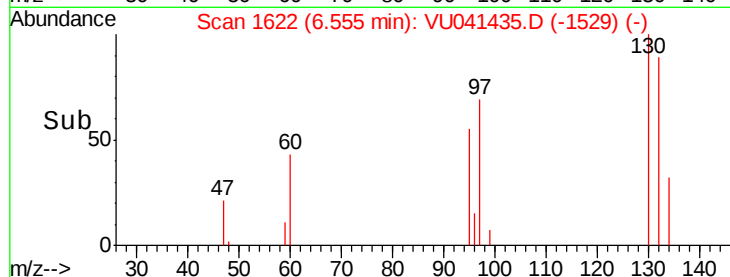
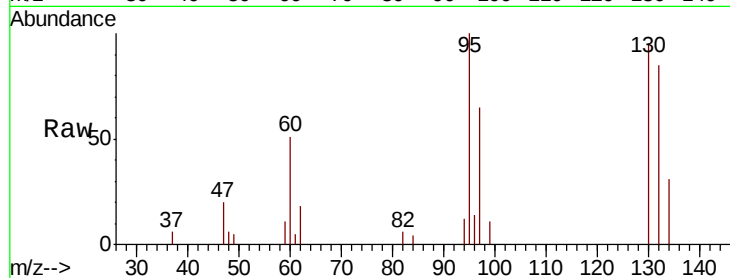
Ion Ratio Lower Upper

95 100

97 65.0 46.4 86.2

132 84.5 62.2 115.6

130 94.5 68.7 127.5

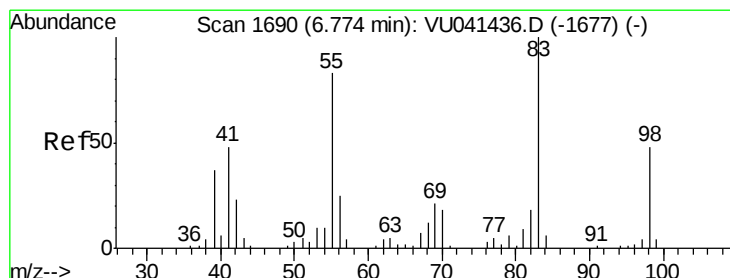
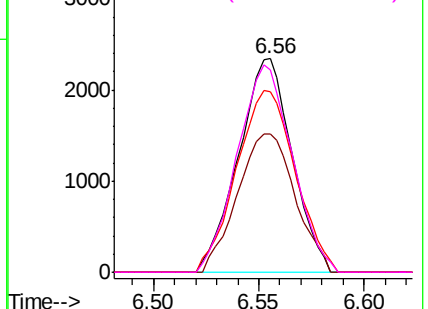


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.856 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

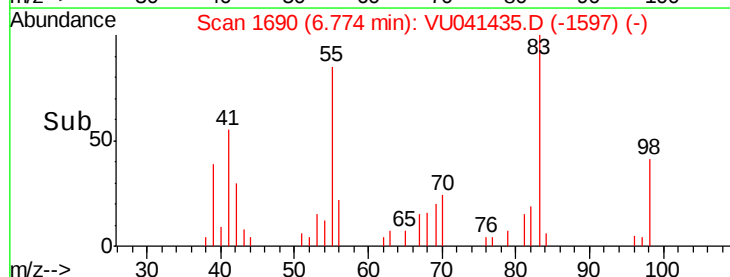
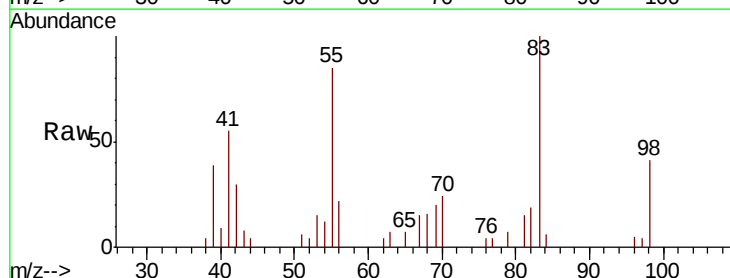
Tgt Ion: 83 Resp: 5510

Ion Ratio Lower Upper

83 100

55 88.8 67.0 100.6

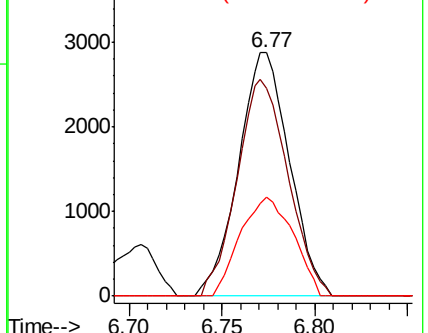
98 42.2 38.2 57.4

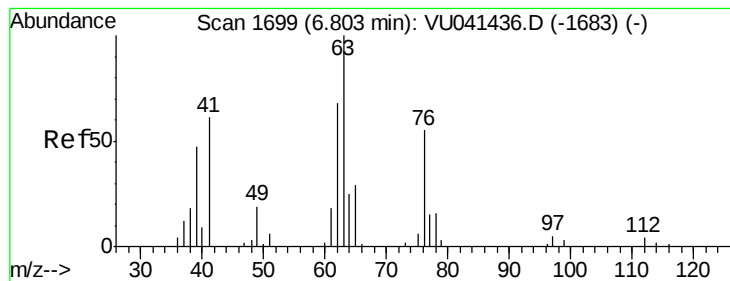


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.874 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

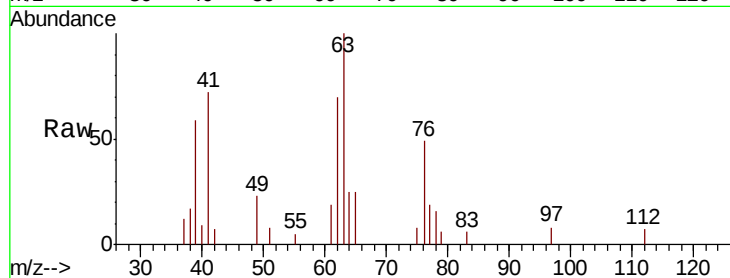
VSTD001204

Tot Ion: 63 Resp: 3830

Ion Ratio Lower Upper

63 100

112 2.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU041436.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU041436.D (-1683) (-)

6.81

2000

1500

1000

500

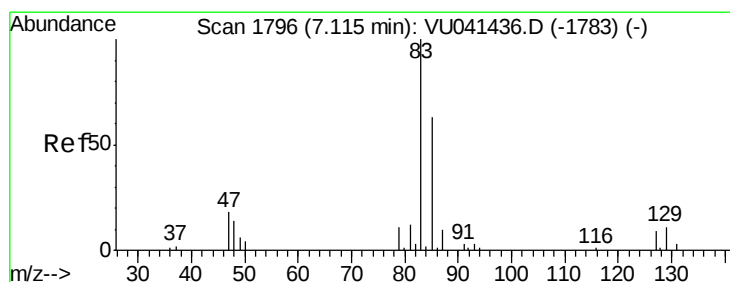
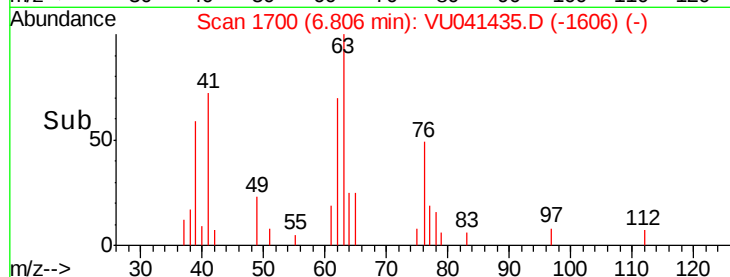
0

6.75

6.80

6.85

Time-->



#38

Bromodichloromethane

Concen: 0.908 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

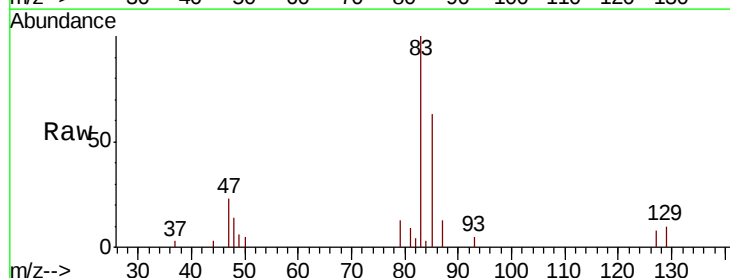
Tgt Ion: 83 Resp: 6302

Ion Ratio Lower Upper

83 100

85 62.8 44.2 82.2

127 7.5 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041436.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU041436.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU041436.D (-1783) (-)

7.11

5000

4000

3000

2000

1000

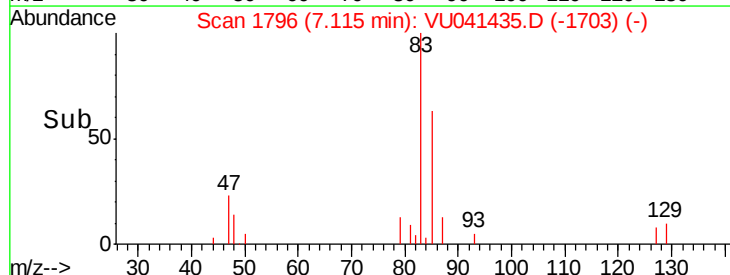
0

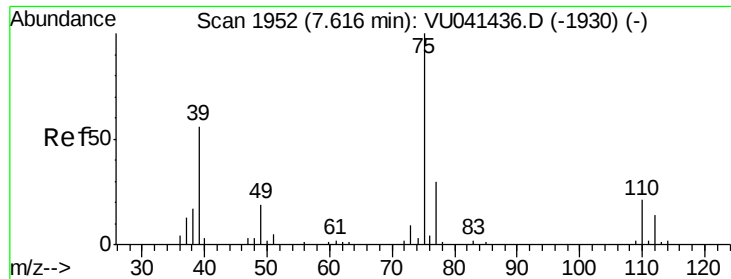
7.05

7.10

7.15

Time-->

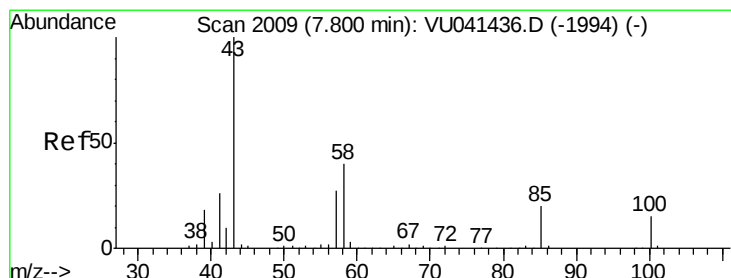
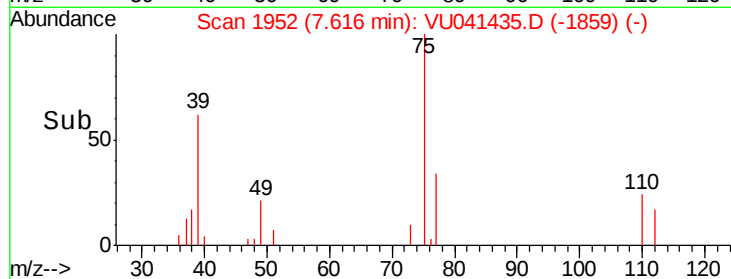
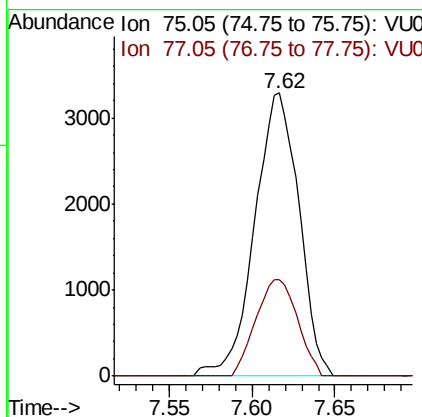
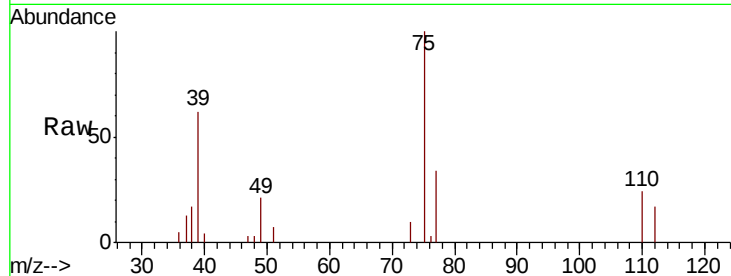




#39
 cis-1,3-Dichloropropene
 Concen: 0.887 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

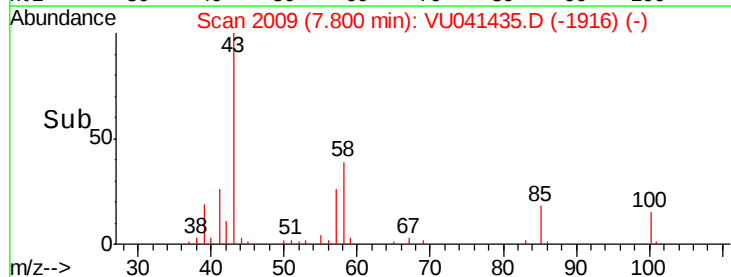
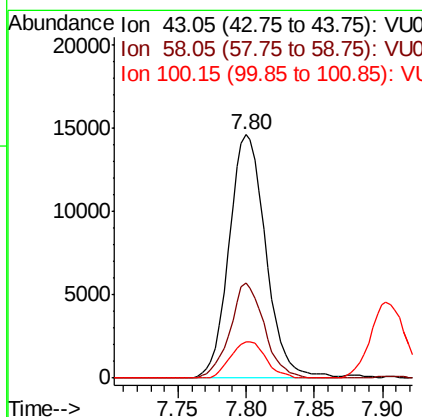
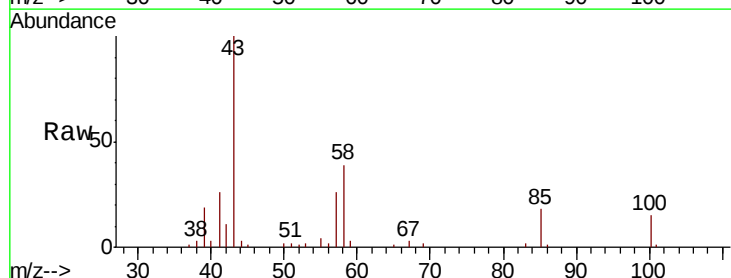
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD001204

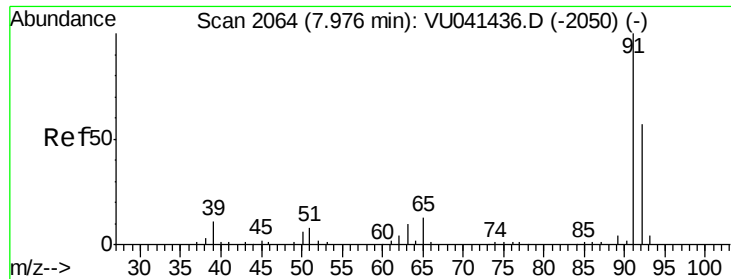
Tot Ion: 75 Resp: 6093
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 8.779 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 43 Resp: 27260
 Ion Ratio Lower Upper
 43 100
 58 36.4 30.5 45.7
 100 14.4 12.1 18.1





#42

Toluene

Concen: 0.881 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

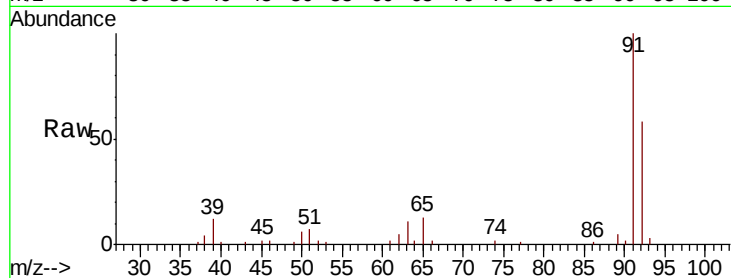
VSTD001204

Tot Ion: 91 Resp: 16400

Ion Ratio Lower Upper

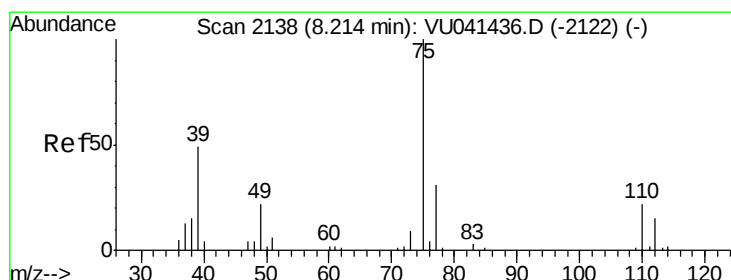
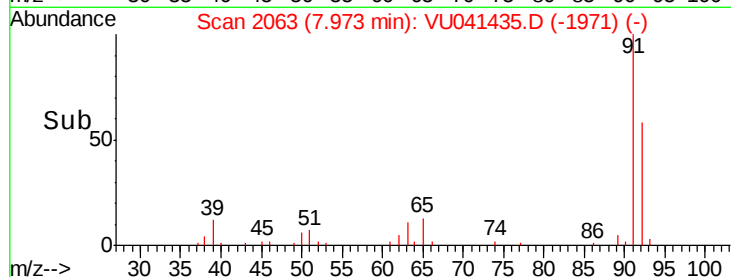
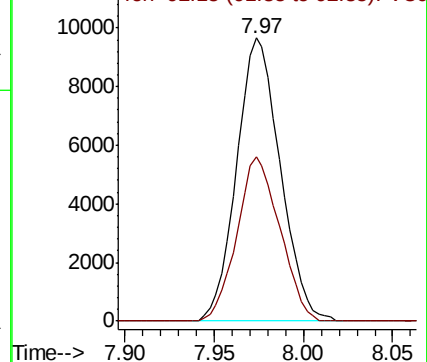
91 100

92 58.2 39.7 73.7



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: 0.888 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041435.D

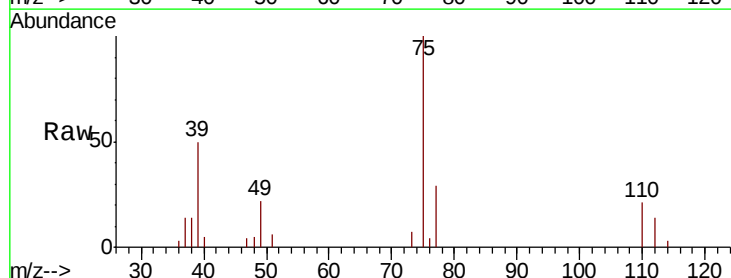
Acq: 30 Nov 2020 10:27

Tgt Ion: 75 Resp: 5925

Ion Ratio Lower Upper

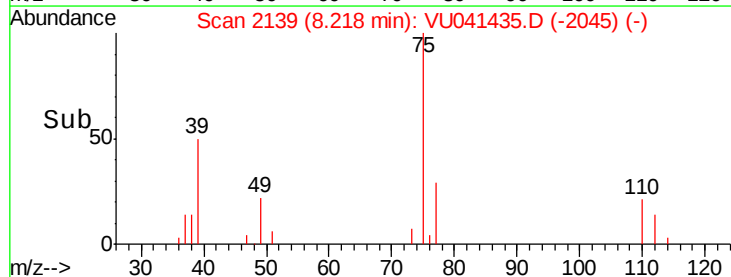
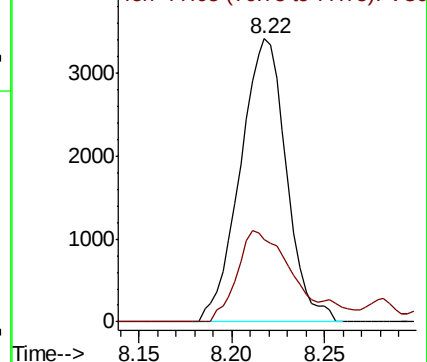
75 100

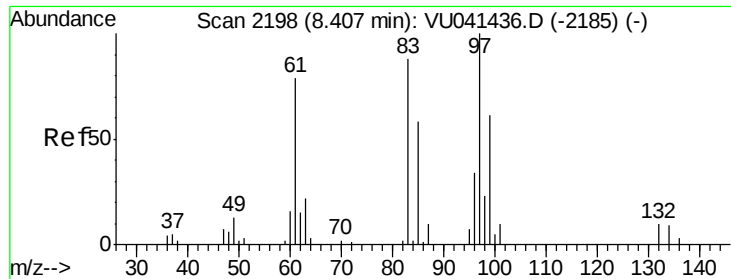
77 29.3 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

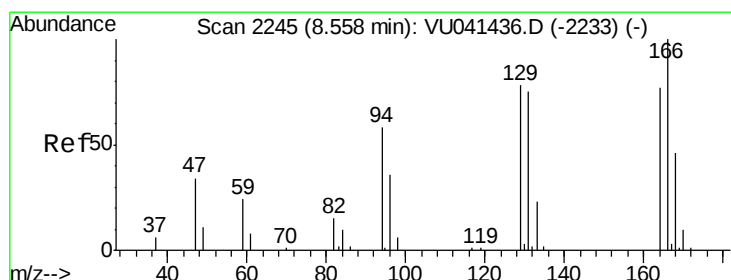
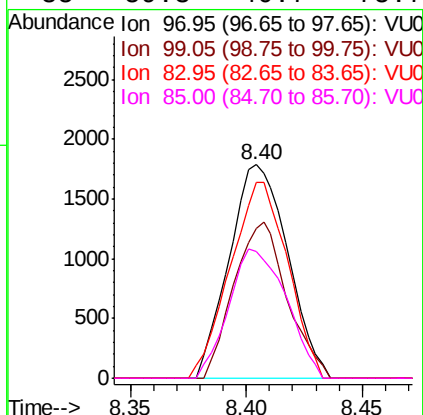
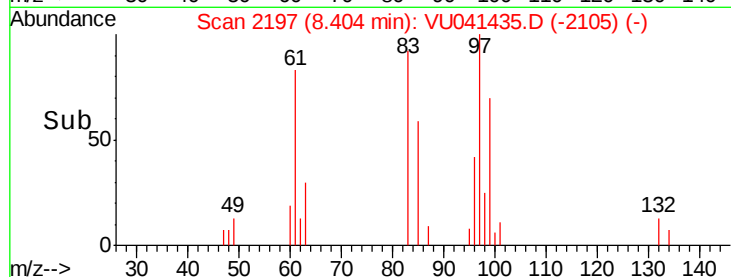
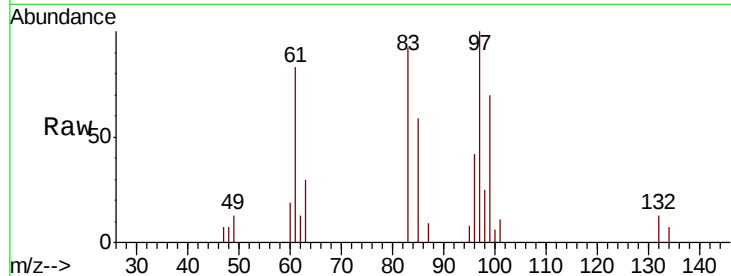




#45
 1,1,2-Trichloroethane
 Concen: 0.889 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

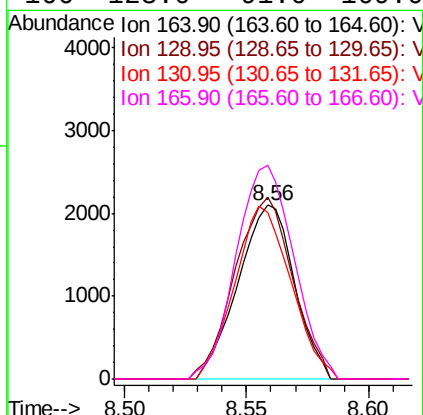
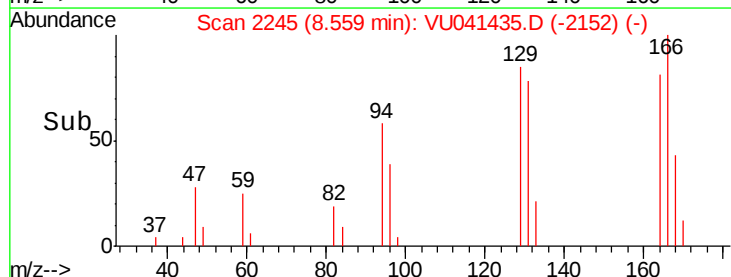
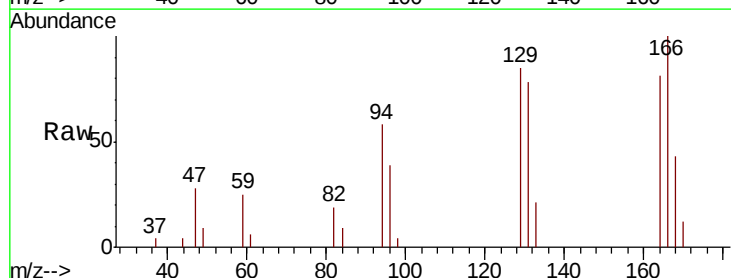
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

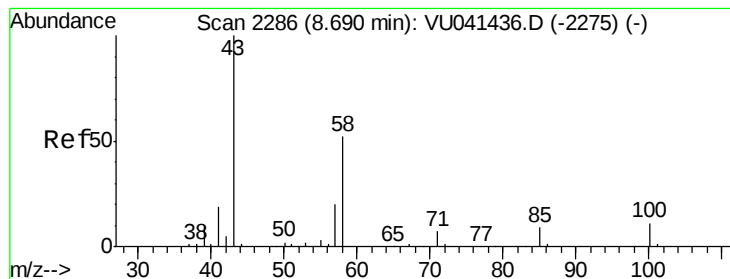
Tot Ion:	97	Resp:	3133
Ion	Ratio	Lower	Upper
97	100		
99	70.0	42.8	79.4
83	91.8	61.9	114.9
85	59.3	40.7	75.7



#47
 Tetrachloroethene
 Concen: 0.929 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion:	164	Resp:	3355
Ion	Ratio	Lower	Upper
164	100		
129	104.7	71.3	132.5
131	95.8	68.3	126.8
166	123.0	91.0	169.0





#48

2-Hexanone

Concen: 8.422 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001204

Tot Ion: 43 Resp: 20289

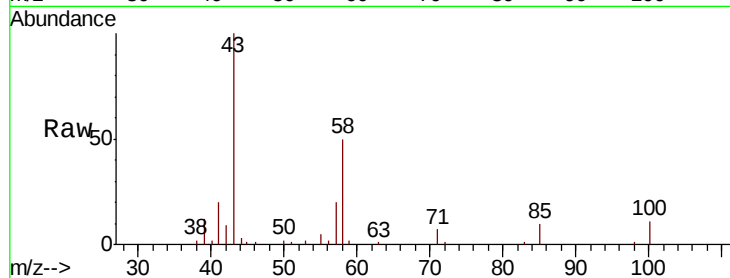
Ion Ratio Lower Upper

43 100

58 53.3 42.0 63.0

57 20.2 16.0 24.0

100 10.6 8.9 13.3

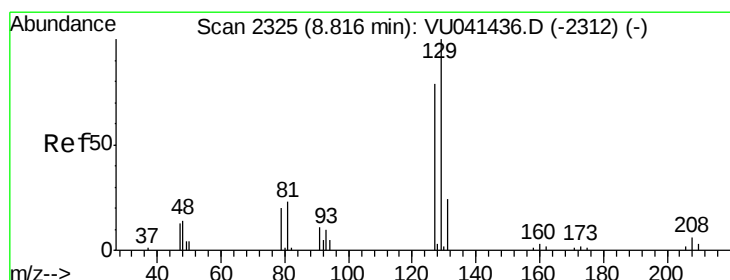
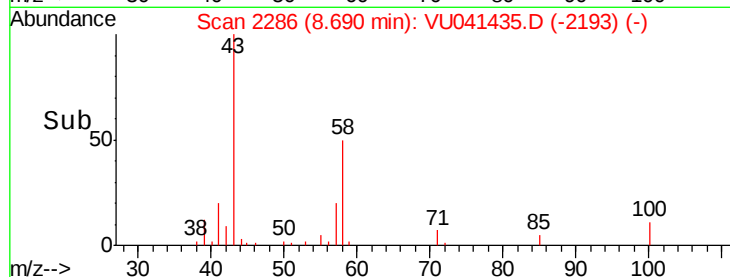
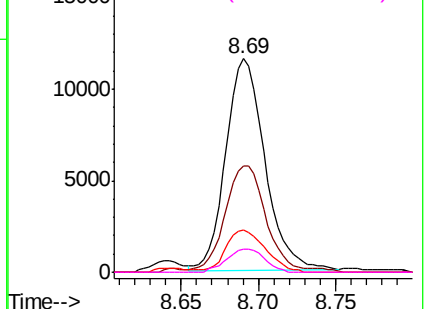


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 0.921 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041435.D

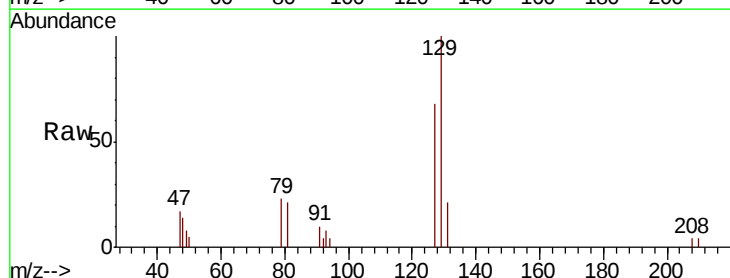
Acq: 30 Nov 2020 10:27

Tgt Ion: 129 Resp: 4300

Ion Ratio Lower Upper

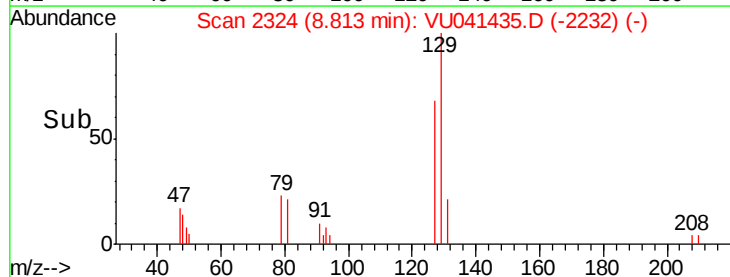
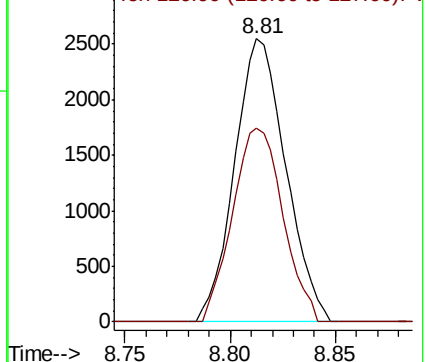
129 100

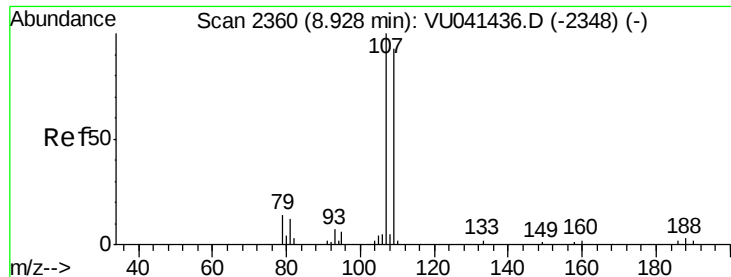
127 68.4 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

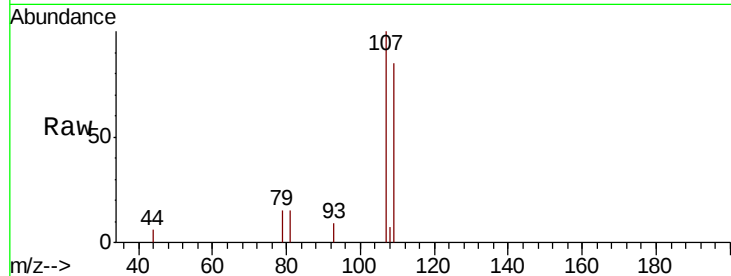




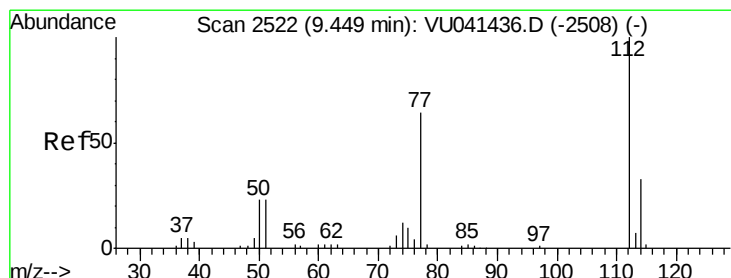
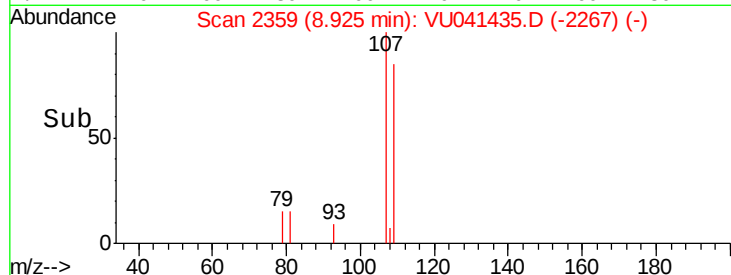
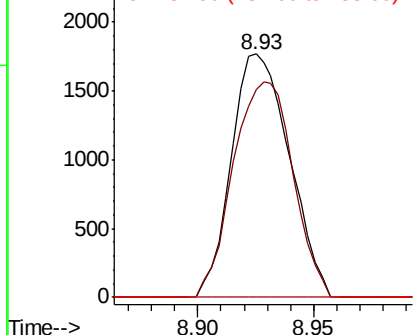
#50
 1,2-Dibromoethane
 Concen: 0.885 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion:107 Resp: 3073
 Ion Ratio Lower Upper
 107 100
 109 85.3 65.2 121.2
 188 0.0 2.7 4.1#

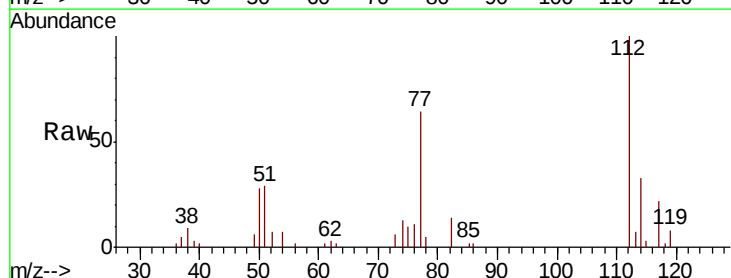


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

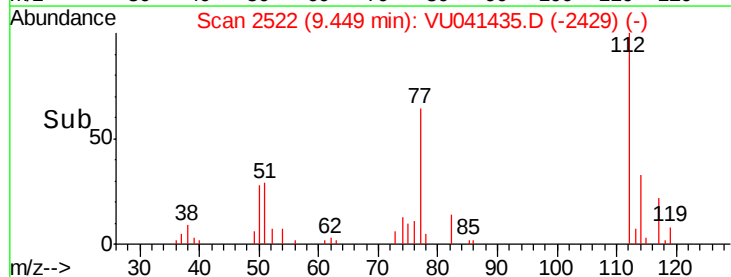
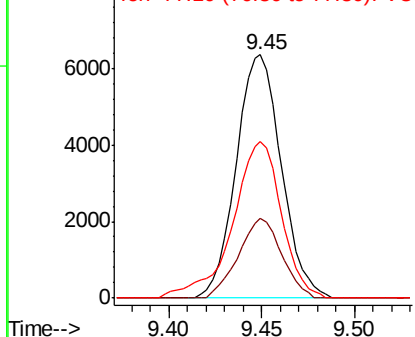


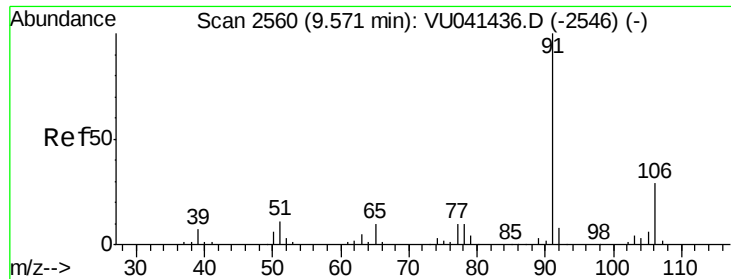
#51
 Chlorobenzene
 Concen: 0.851 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion:112 Resp: 10731
 Ion Ratio Lower Upper
 112 100
 114 32.5 23.0 42.8
 77 64.2 51.8 77.6



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





#52

Ethylbenzene

Concen: 0.843 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

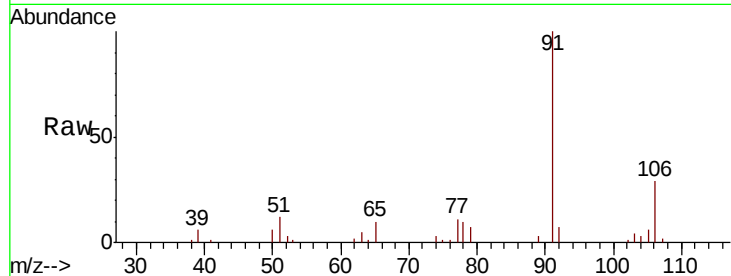
VSTD001204

Tot Ion: 91 Resp: 17989

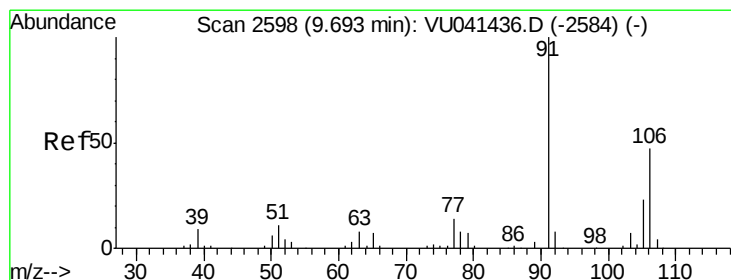
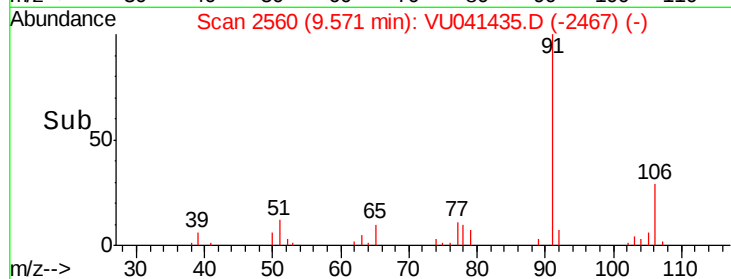
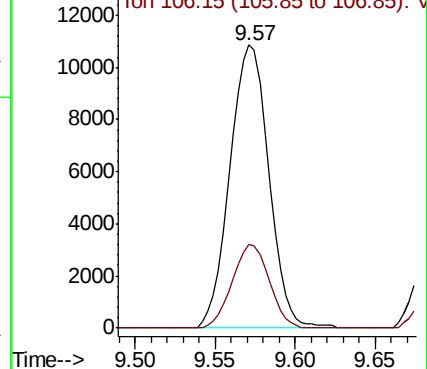
Ion Ratio Lower Upper

91 100

106 29.4 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU041435.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.792 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041435.D

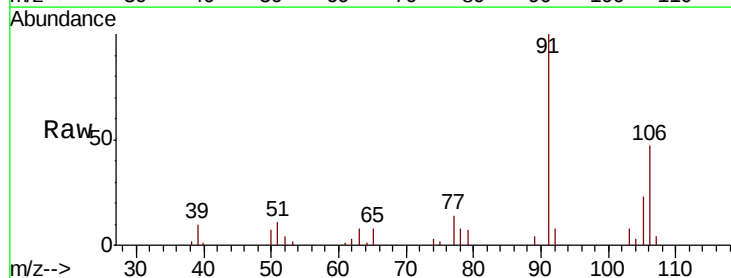
Acq: 30 Nov 2020 10:27

Tgt Ion: 106 Resp: 6111

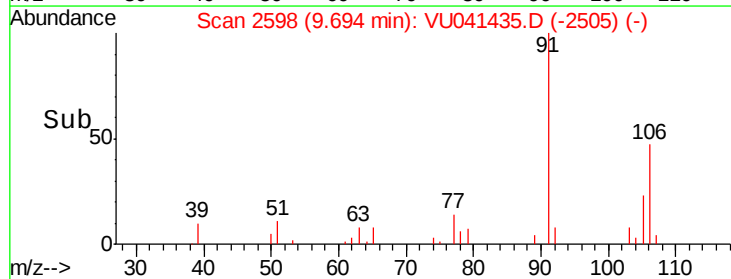
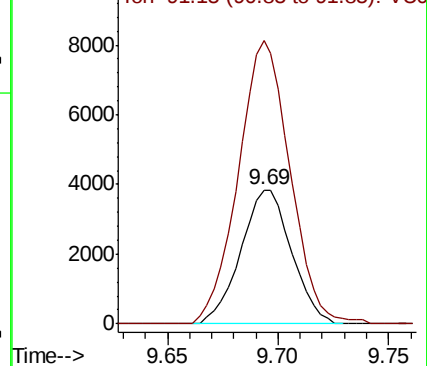
Ion Ratio Lower Upper

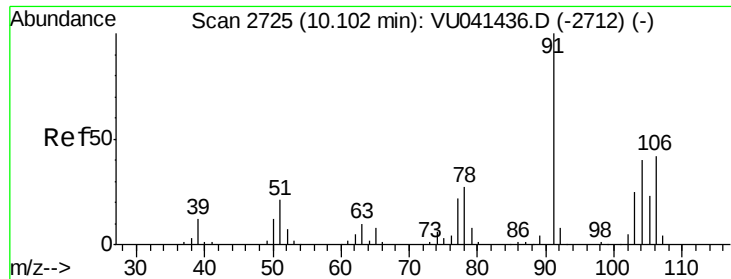
106 100

91 211.2 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): VU041435.D (-2598) (-)

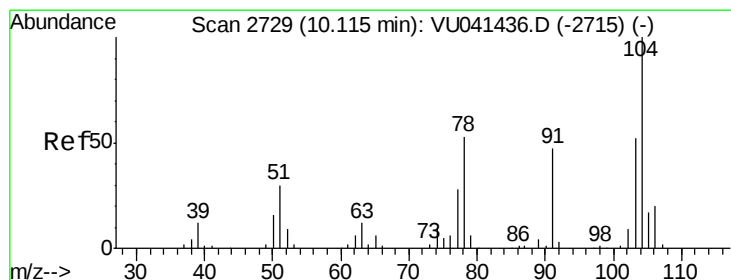
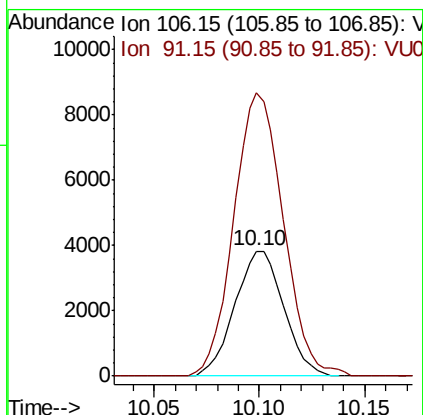
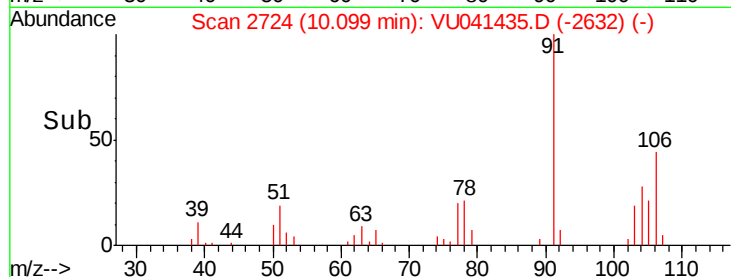
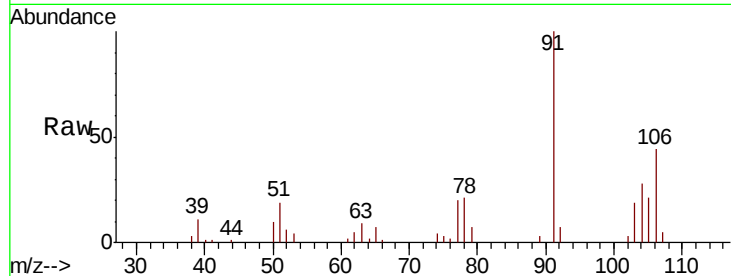




#54
o-Xylene
Concen: 0.831 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

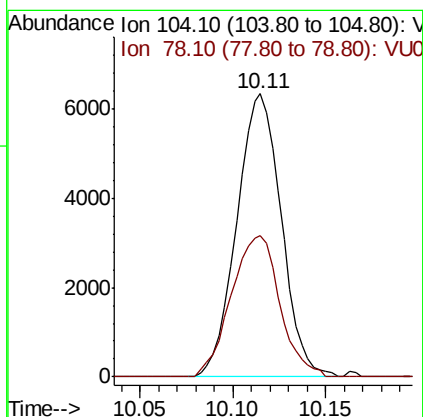
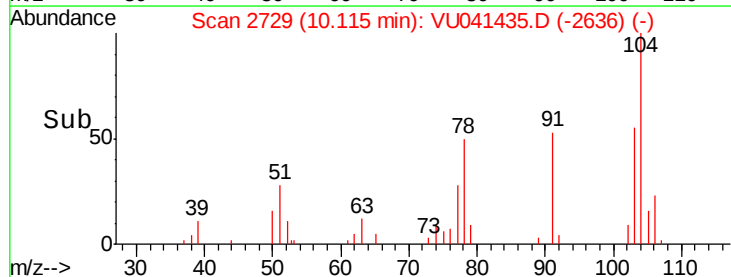
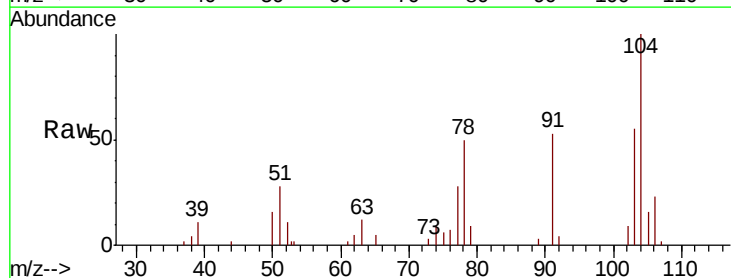
Instrument :
MSVOA_U
ClientSampleId :
VSTD001204

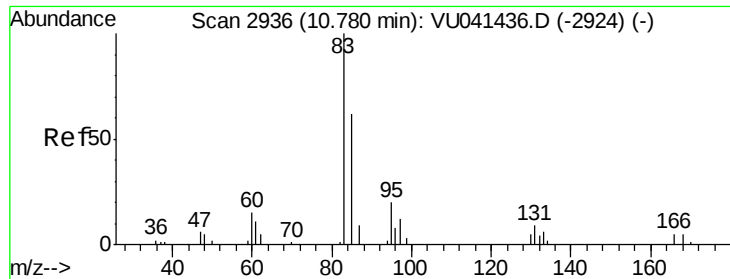
Tot Ion:106 Resp: 6165
Ion Ratio Lower Upper
106 100
91 226.8 166.9 310.0



#55
Styrene
Concen: 0.808 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

Tgt Ion:104 Resp: 10599
Ion Ratio Lower Upper
104 100
78 50.0 37.5 69.7

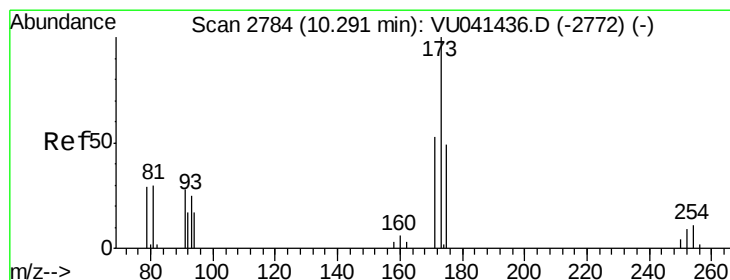
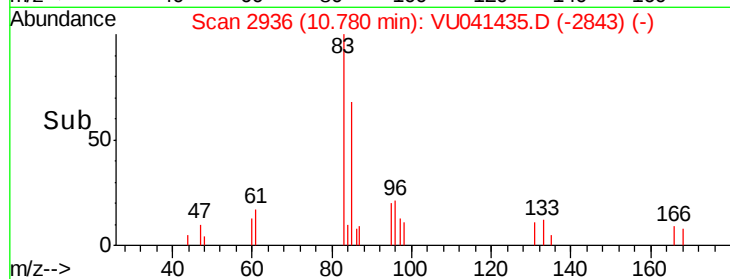
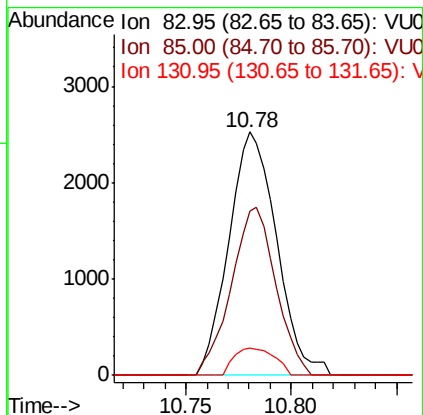
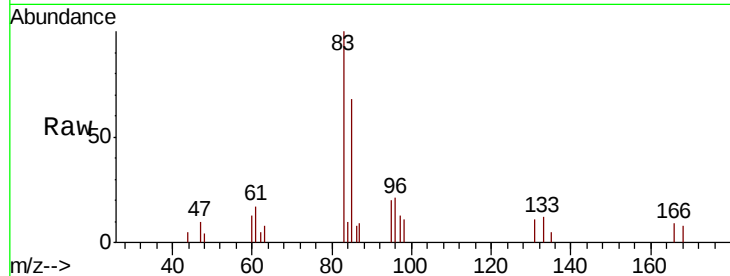




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.848 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

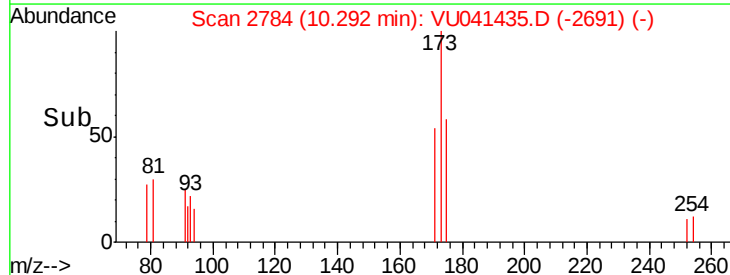
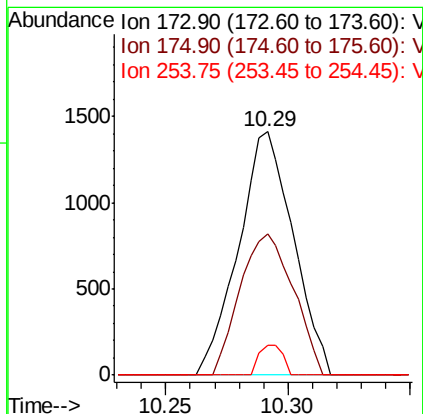
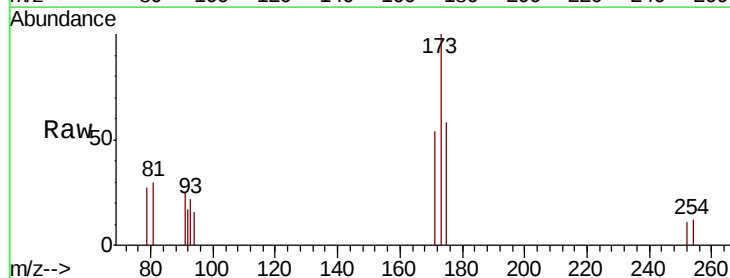
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

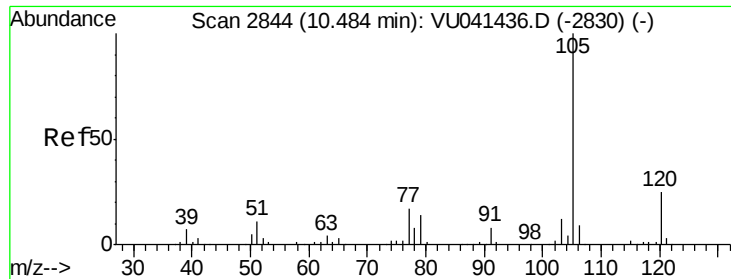
Tot Ion: 83 Resp: 3970
 Ion Ratio Lower Upper
 83 100
 85 67.6 43.5 80.7
 131 11.2 7.6 11.4



#59
 Bromoform
 Concen: 0.865 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 173 Resp: 2193
 Ion Ratio Lower Upper
 173 100
 175 56.7 36.9 55.3#
 254 5.2 7.4 11.0#





#60

Isopropylbenzene

Concen: 0.849 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001204

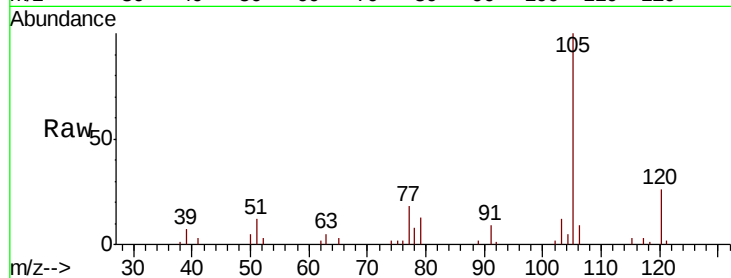
Tot Ion:105 Resp: 16455

Ion Ratio Lower Upper

105 100

120 25.9 20.3 30.5

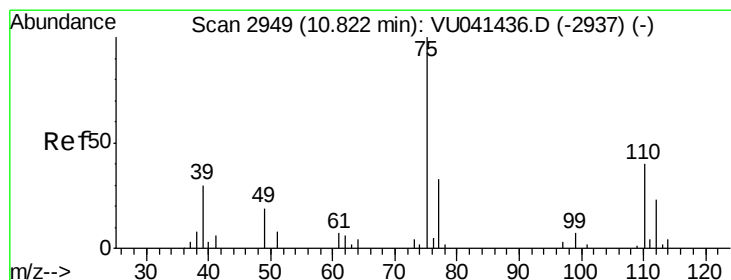
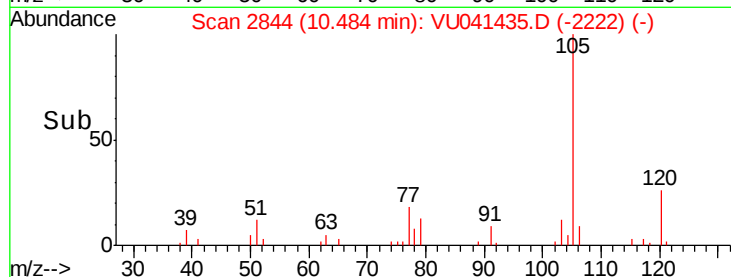
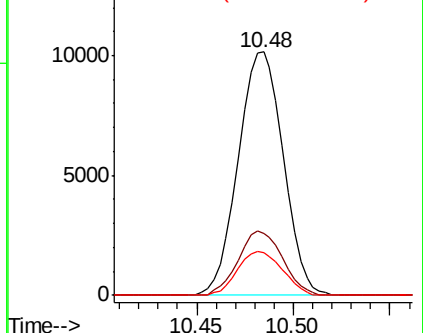
77 17.8 13.9 20.9



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: 0.940 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041435.D

Acq: 30 Nov 2020 10:27

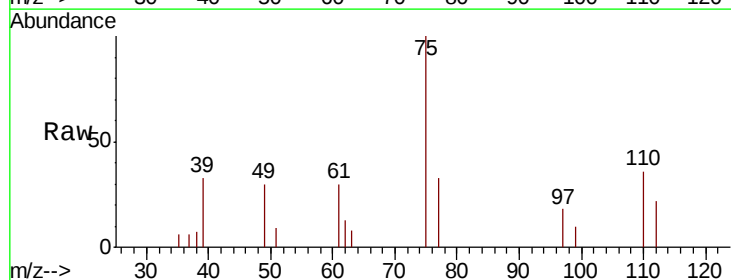
Tgt Ion: 75 Resp: 3173

Ion Ratio Lower Upper

75 100

110 39.0 33.0 49.4

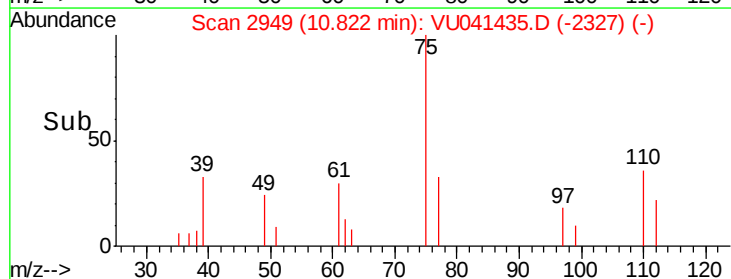
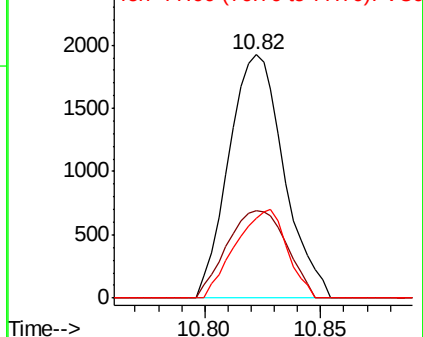
77 34.1 27.4 41.0

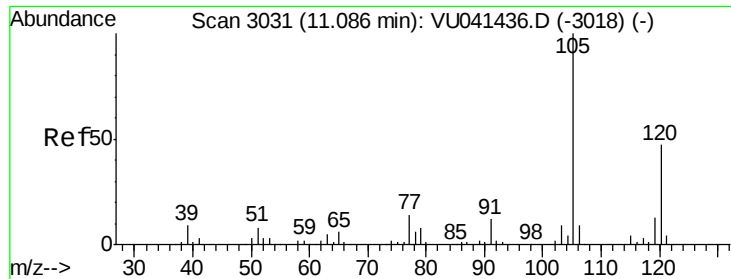


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

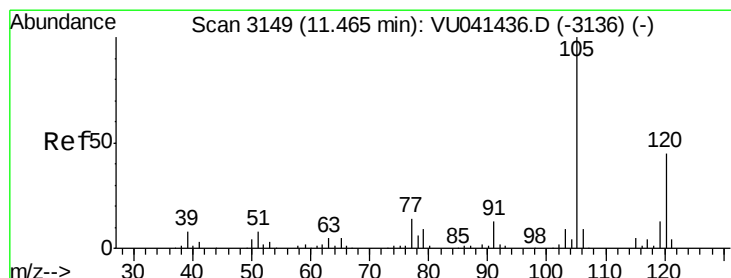
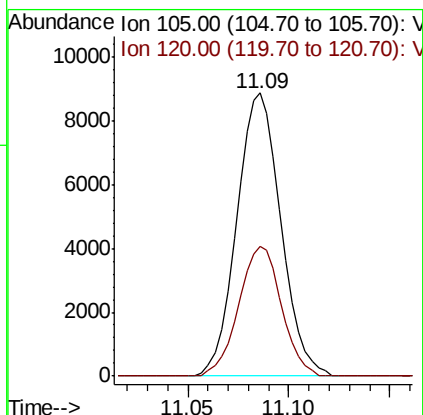
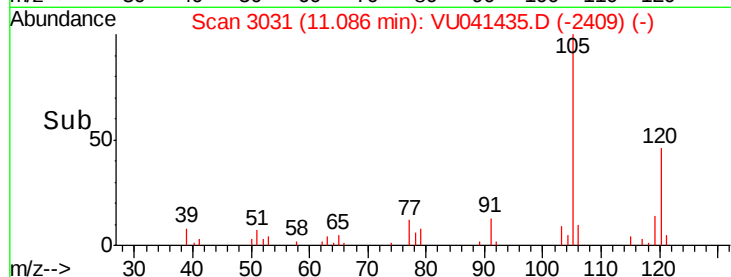
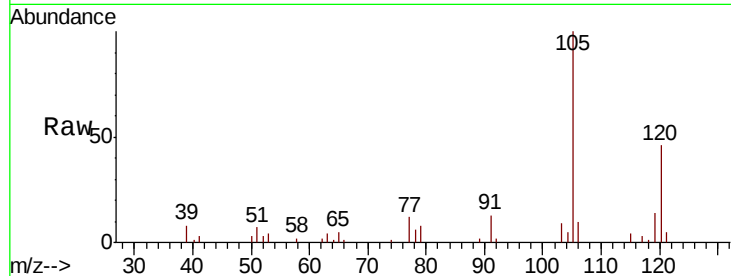




#62
 1,3,5-Trimethylbenzene
 Concen: 0.820 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

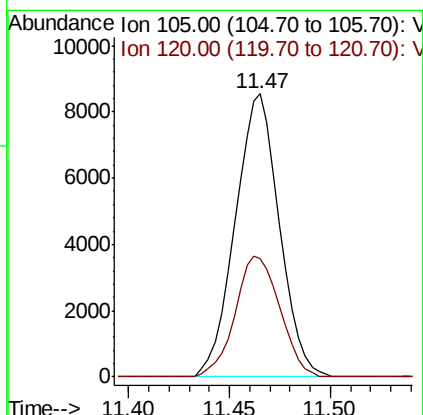
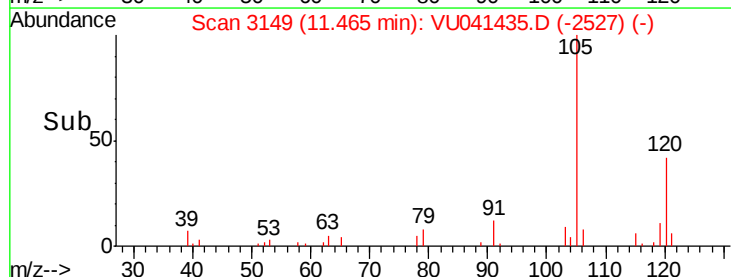
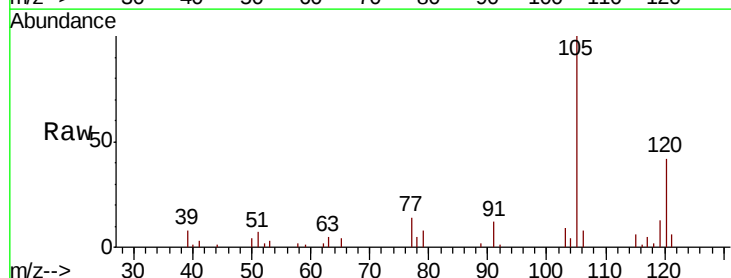
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

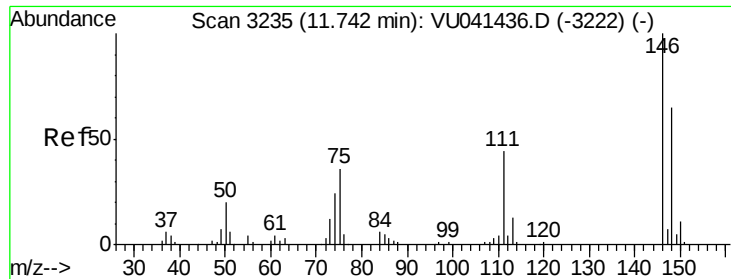
Tot Ion:105 Resp: 13534
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.6 54.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.767 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion:105 Resp: 13077
 Ion Ratio Lower Upper
 105 100
 120 43.2 35.4 53.2

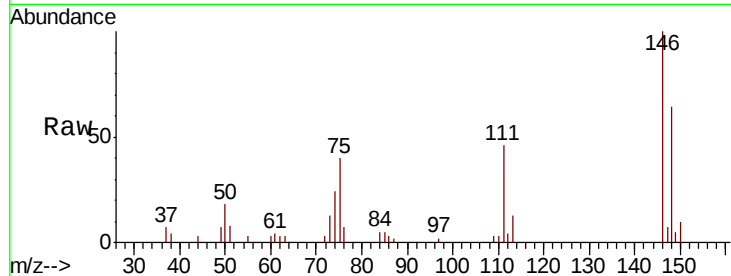




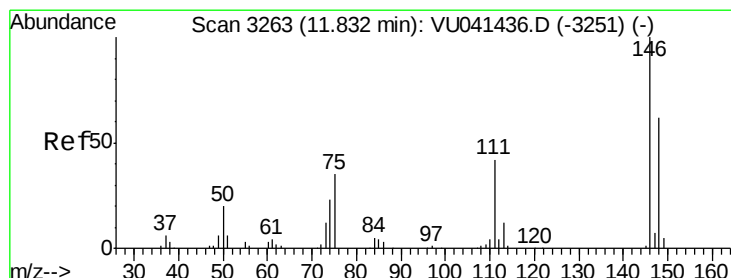
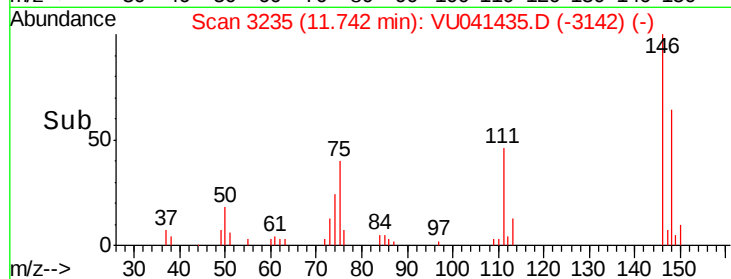
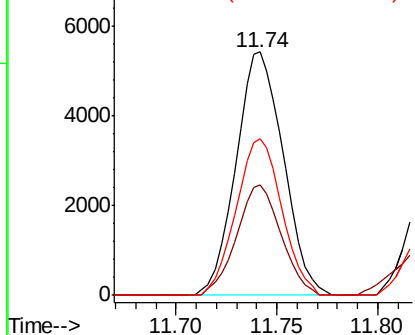
#64
 1,3-Dichlorobenzene
 Concen: 0.901 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion:146 Resp: 8911
 Ion Ratio Lower Upper
 146 100
 111 45.6 30.9 57.3
 148 64.2 45.8 85.0

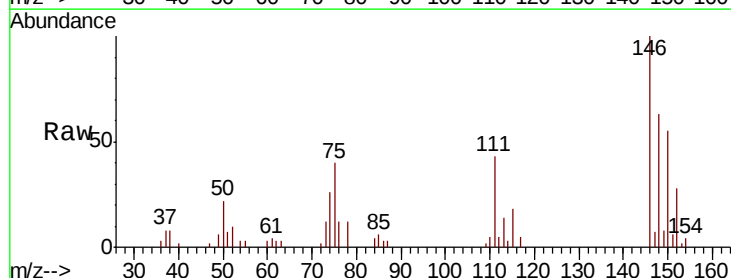


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

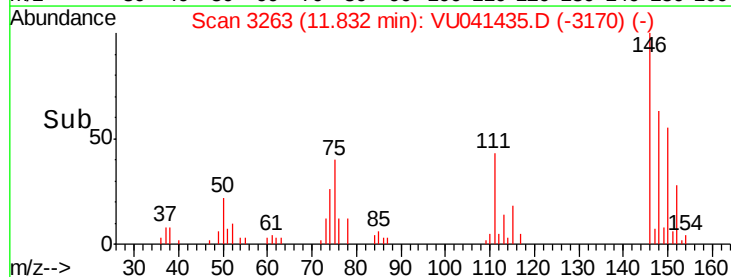
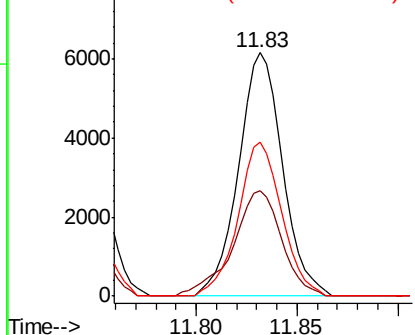


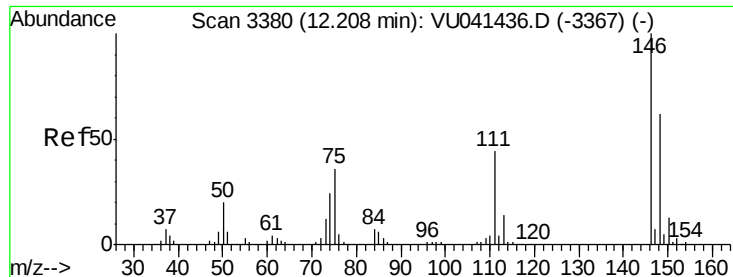
#65
 1,4-Dichlorobenzene
 Concen: 0.932 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion:146 Resp: 9422
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.4 54.6
 148 63.2 43.7 81.1



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

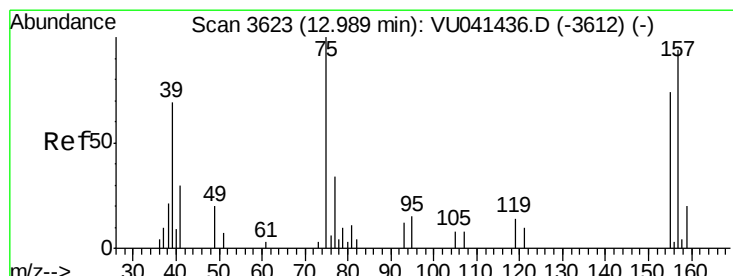
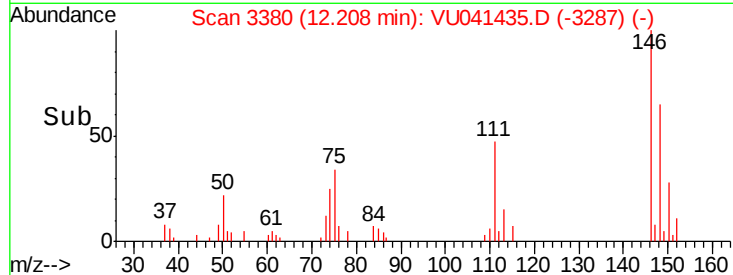
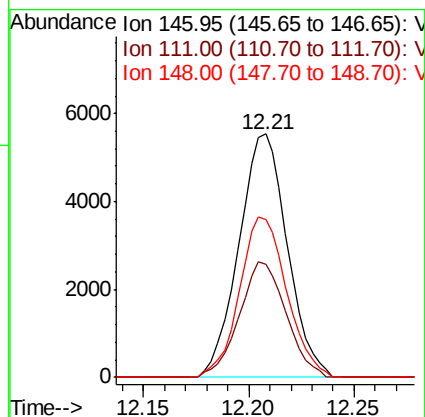
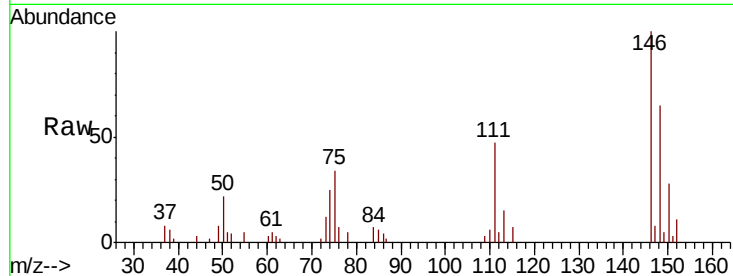




#67
 1,2-Dichlorobenzene
 Concen: 0.918 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

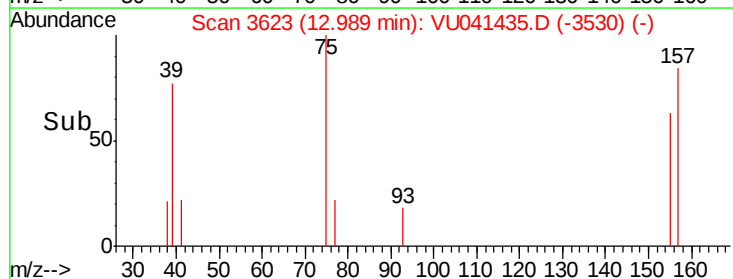
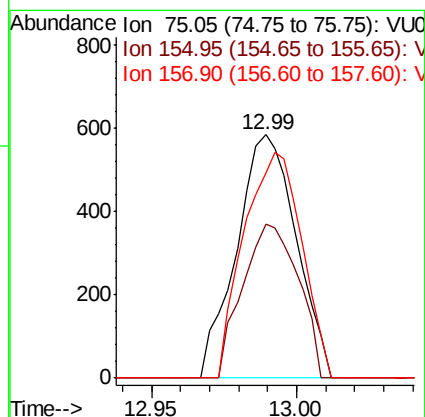
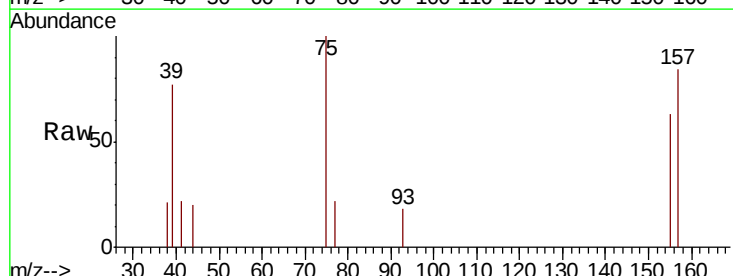
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

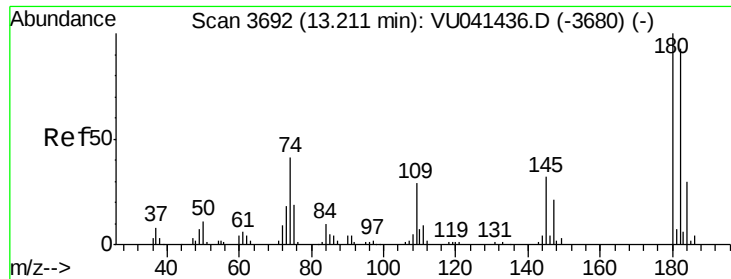
Tot Ion:146 Resp: 8798
 Ion Ratio Lower Upper
 146 100
 111 46.6 35.3 52.9
 148 64.7 49.6 74.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.952 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion: 75 Resp: 835
 Ion Ratio Lower Upper
 75 100
 155 63.1 59.3 88.9
 157 84.3 75.1 112.7

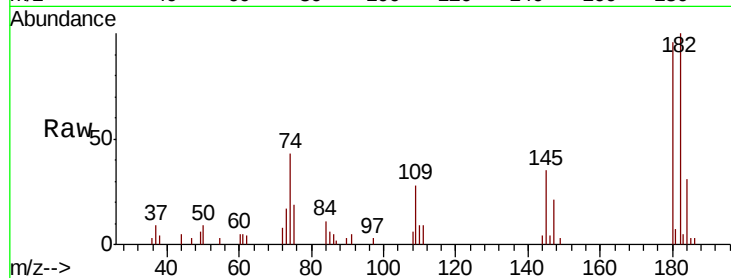




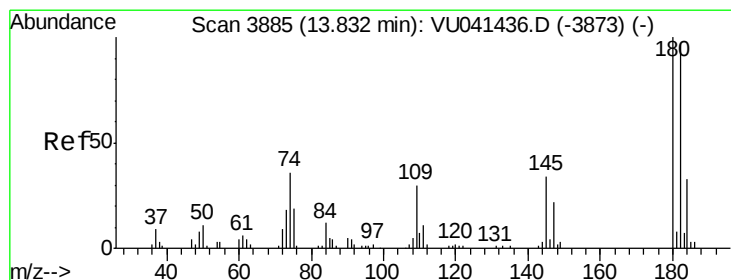
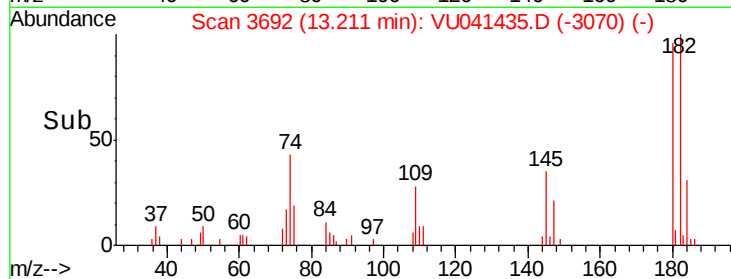
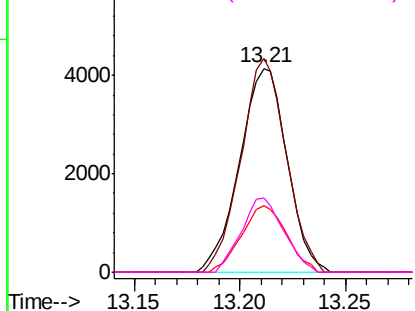
#69
 1,3,5-Trichlorobenzene
 Concen: 0.852 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001204

Tot Ion:180 Resp: 6485
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.2 114.2
 184 30.9 24.1 36.1
 145 32.6 26.1 39.1

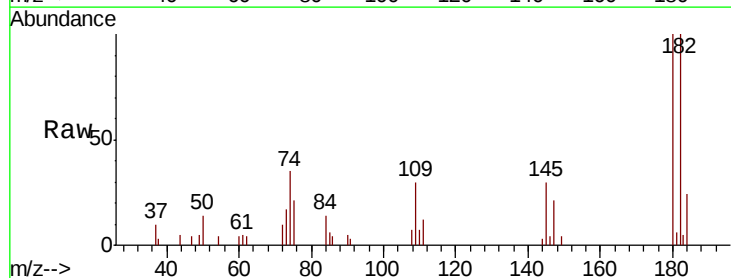


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

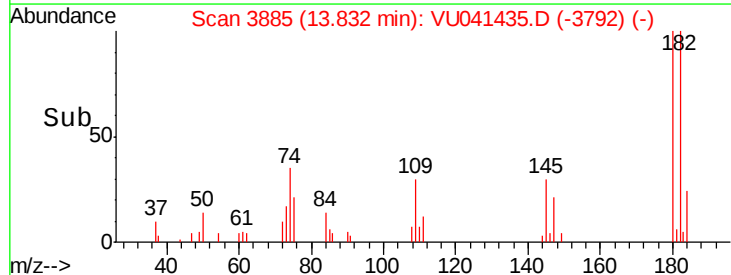
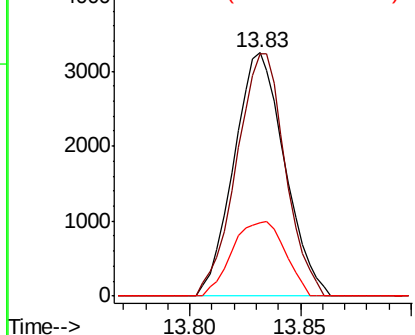


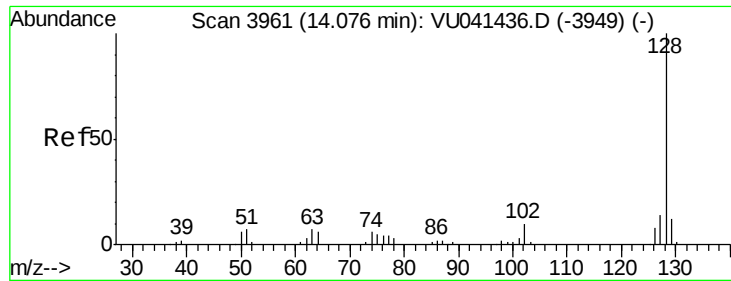
#70
 1,2,4-trichlorobenzene
 Concen: 0.818 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041435.D
 Acq: 30 Nov 2020 10:27

Tgt Ion:180 Resp: 5188
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.4 117.6
 145 31.8 27.4 41.0



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

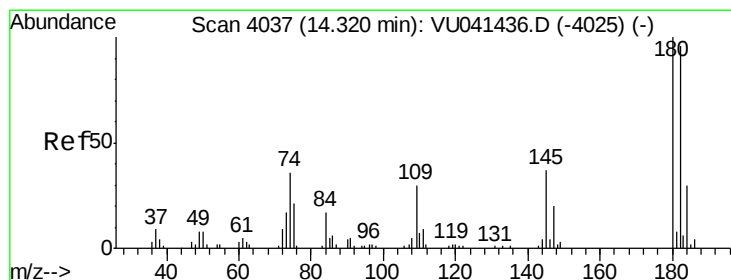
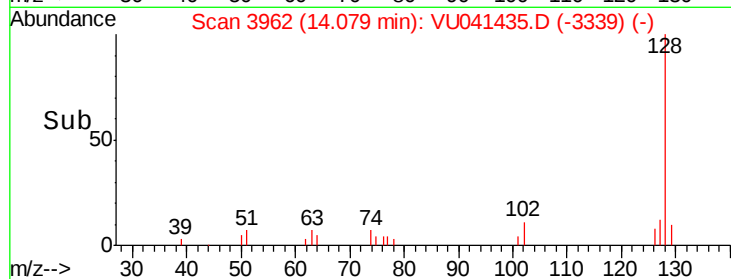
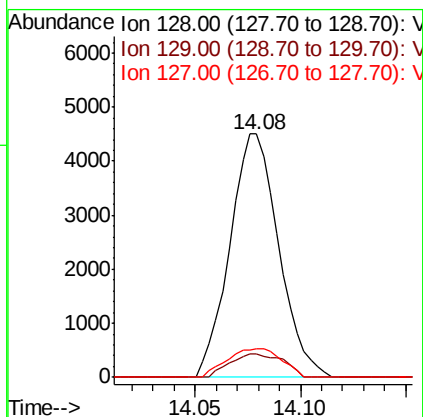
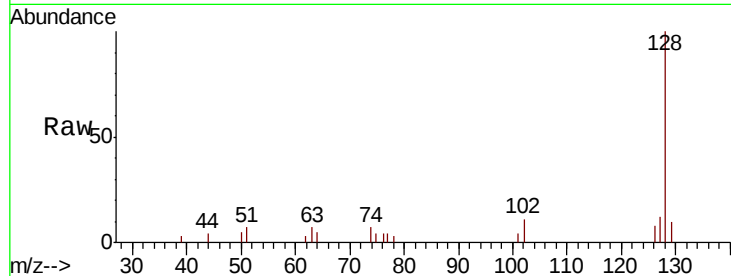




#71
Naphthalene
Concen: 0.664 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD001204

Tot Ion:128 Resp: 7239
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.0
127 13.0 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 0.745 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041435.D
Acq: 30 Nov 2020 10:27

Tgt Ion:180 Resp: 4418
Ion Ratio Lower Upper
180 100
182 100.3 77.6 116.4
145 35.7 28.6 43.0

