

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112520\
 Data File : VU041425.D
 Acq On : 25 Nov 2020 11:43
 Operator : SY/MD
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Quant Time: Nov 26 06:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	62629	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61339	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	32674	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2258	0.52	ug/L	0.00
7) Chloroethane-d5	1.92	69	1721	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	1078	0.52	ug/L	0.00
20) 2-Butanone-d5	4.66	46	6289	3.80	ug/L	0.00
24) Chloroform-d	5.08	84	4900	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	3261	0.60	ug/L	0.00
32) Benzene-d6	5.74	84	7832	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2405	0.47	ug/L	0.00
41) Toluene-d8	7.90	98	6725	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1036	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	3653	3.21	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	2274	0.48	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	2884	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3702	0.642 ug/L	97
3) Chloromethane	1.52	50	3123	0.550 ug/L	96
5) Vinyl chloride	1.61	62	2942	0.529 ug/L	96
6) Bromomethane	1.87	94	1570	0.522 ug/L	90
8) Chloroethane	1.94	64	2706	0.749 ug/L	97
9) Trichlorofluoromethane	2.15	101	5459	0.658 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2404	0.526 ug/L	99
12) 1,1-Dichloroethene	2.59	96	1940	0.456 ug/L #	67
13) Acetone	2.66	43	6077	5.512 ug/L	88
14) Carbon disulfide	2.81	76	5860	0.441 ug/L	99
15) Methyl Acetate	2.97	43	1052	0.419 ug/L #	81
16) Methylene chloride	3.06	84	6129	1.204 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	5598	0.496 ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	2155	0.496 ug/L	98
19) 1,1-Dichloroethane	3.89	63	4602	0.514 ug/L	94
21) 2-Butanone	4.74	43	6854	3.948 ug/L	91
22) cis-1,2-Dichloroethene	4.68	96	2334	0.498 ug/L	76
23) Bromochloromethane	4.99	128	1118	0.504 ug/L #	83
25) Chloroform	5.10	83	4845	0.520 ug/L	85
27) 1,2-Dichloroethane	5.81	62	3625	0.531 ug/L #	79
29) 1,1,1-Trichloroethane	5.33	97	4229	0.523 ug/L	96
30) Cyclohexane	5.40	56	2865	0.405 ug/L	98
31) Carbon tetrachloride	5.54	117	4048	0.579 ug/L	98
33) Benzene	5.79	78	8461	0.468 ug/L	100
34) Trichloroethene	6.55	95	2566	0.523 ug/L	84
35) Methylcyclohexane	6.78	83	2909	0.425 ug/L	96
37) 1,2-Dichloropropane	6.80	63	2162	0.427 ug/L #	88
38) Bromodichloromethane	7.12	83	3454	0.522 ug/L #	96
39) cis-1,3-Dichloropropene	7.61	75	3220	0.462 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	14072	3.738 ug/L	95

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

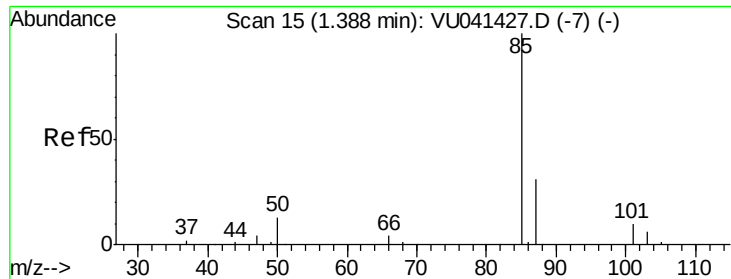
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Quant Time: Nov 26 06:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	8368	0.449	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	3060	0.468	ug/L #	77
45) 1,1,2-Trichloroethane	8.40	97	1801	0.492	ug/L	88
47) Tetrachloroethene	8.56	164	1890	0.549	ug/L	93
48) 2-Hexanone	8.69	43	10445	3.698	ug/L	97
49) Dibromochloromethane	8.81	129	2064	0.468	ug/L	91
50) 1,2-Dibromoethane	8.93	107	1644	0.470	ug/L #	97
51) Chlorobenzene	9.45	112	6073	0.511	ug/L	94
52) Ethylbenzene	9.57	91	8476	0.438	ug/L	100
53) m,p-Xylene	9.69	106	2792	0.396	ug/L	80
54) o-Xylene	10.10	106	3088	0.457	ug/L	85
55) Styrene	10.11	104	5351	0.457	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	2263	0.478	ug/L	98
59) Bromoform	10.30	173	1083	0.416	ug/L #	89
60) Isopropylbenzene	10.48	105	8576	0.446	ug/L	98
61) 1,2,3-Trichloropropane	10.83	75	1863	0.479	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	6732	0.424	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	6958	0.434	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	4812	0.493	ug/L	95
65) 1,4-Dichlorobenzene	11.83	146	5052	0.508	ug/L	95
67) 1,2-Dichlorobenzene	12.20	146	4870	0.513	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	400	0.430	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.21	180	4090	0.598	ug/L	93
70) 1,2,4-trichlorobenzene	13.83	180	3069	0.532	ug/L	95
71) Naphthalene	14.08	128	5141	0.506	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	3178	0.589	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.642 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

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Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

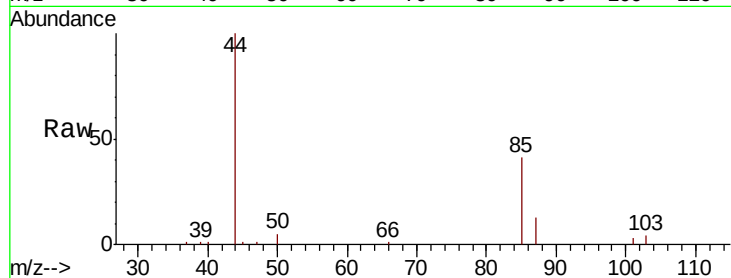
VSTD0.5103

Tot Ion: 85 Resp: 3702

Ion Ratio Lower Upper

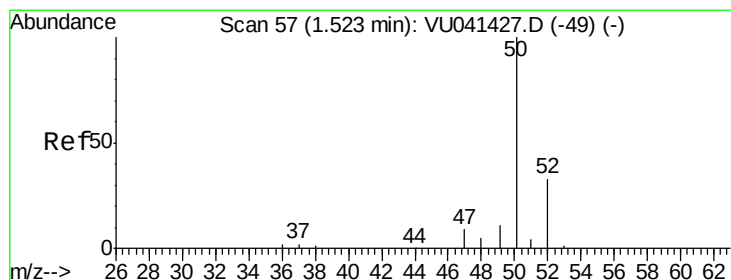
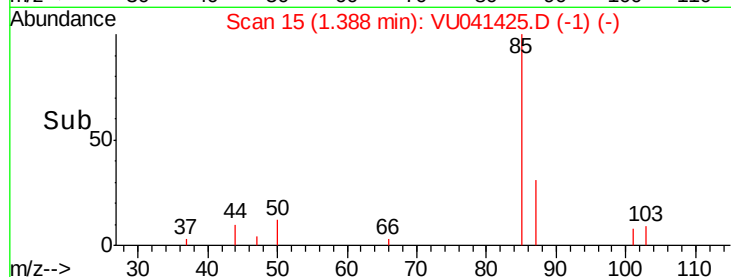
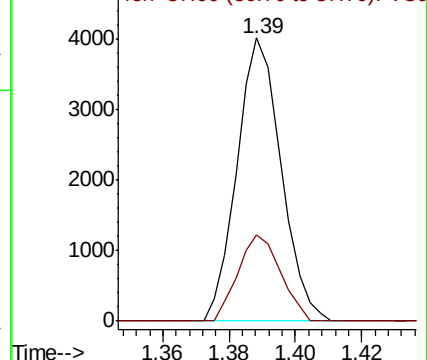
85 100

87 29.3 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: 0.550 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041425.D

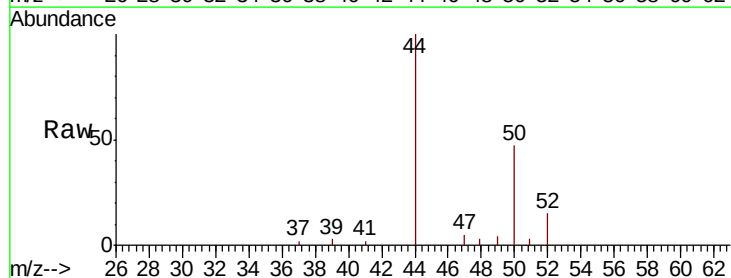
Acq: 25 Nov 2020 11:43

Tgt Ion: 50 Resp: 3123

Ion Ratio Lower Upper

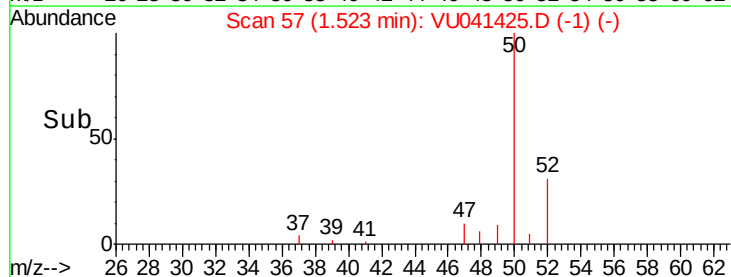
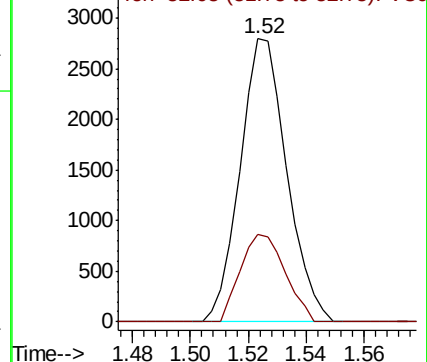
50 100

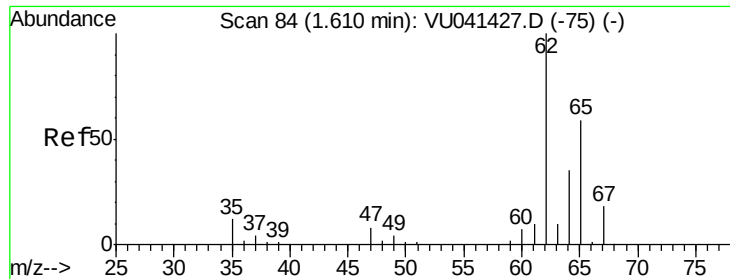
52 31.0 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.529 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

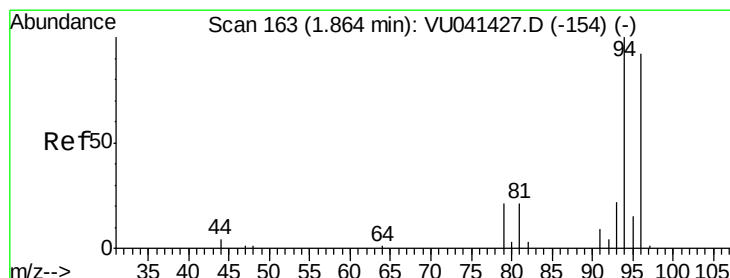
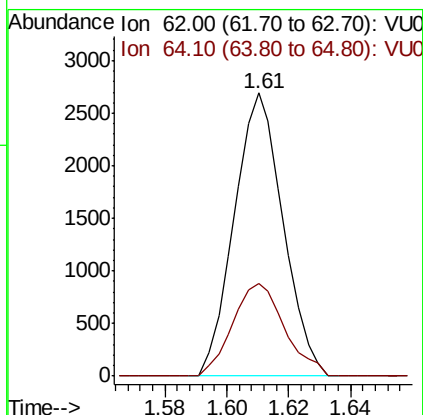
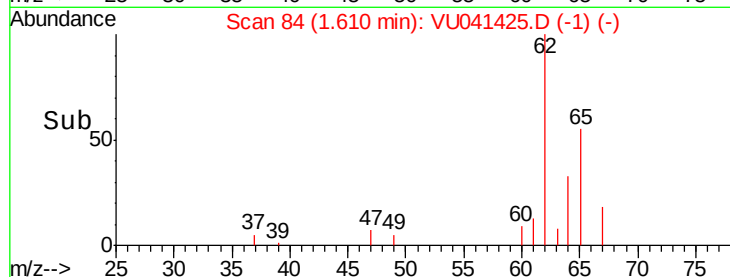
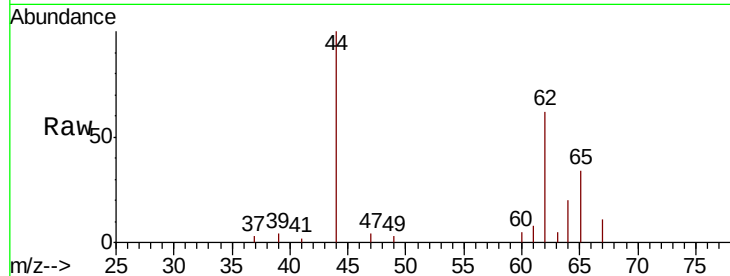
VSTD0.5103

Tot Ion: 62 Resp: 2942

Ion Ratio Lower Upper

62 100

64 32.6 24.3 45.1



#6

Bromomethane

Concen: 0.522 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041425.D

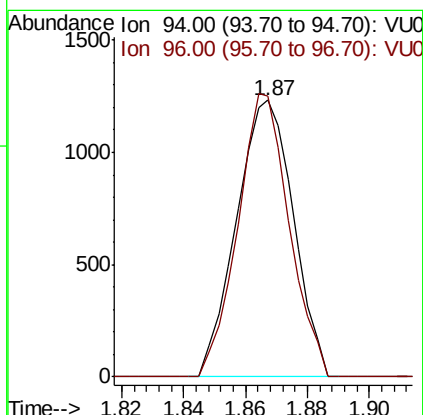
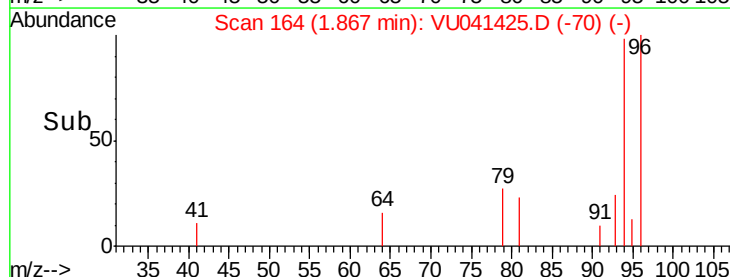
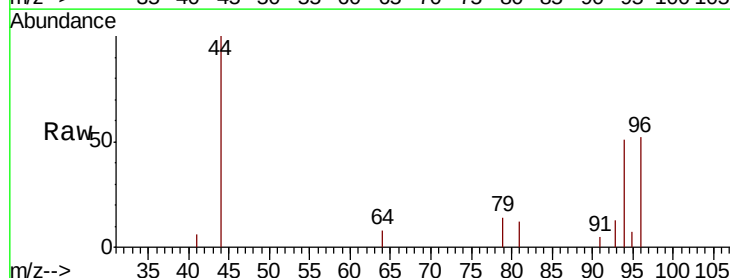
Acq: 25 Nov 2020 11:43

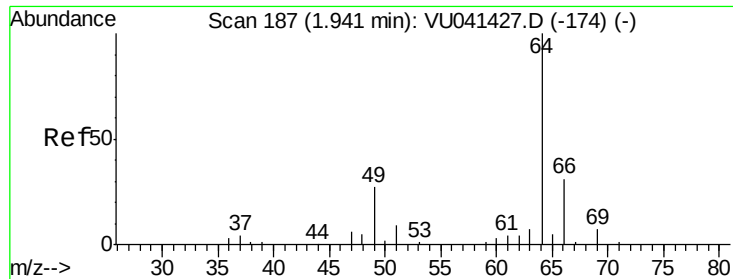
Tgt Ion: 94 Resp: 1570

Ion Ratio Lower Upper

94 100

96 101.8 64.5 119.9





#8

Chloroethane

Concen: 0.749 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

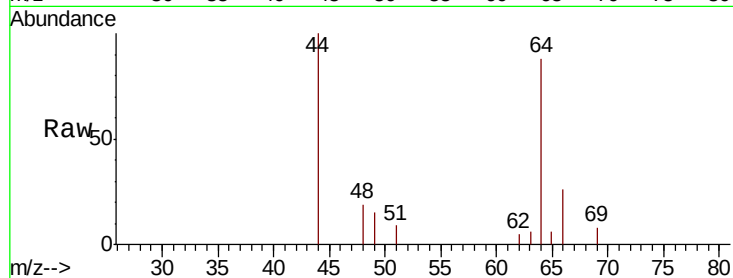
VSTD0.5103

Tot Ion: 64 Resp: 2706

Ion Ratio Lower Upper

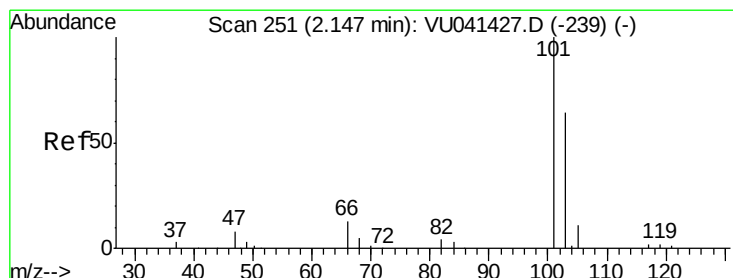
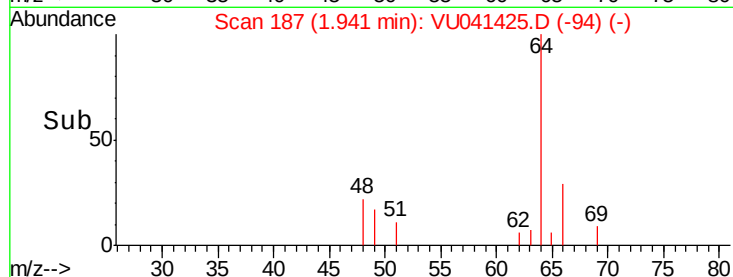
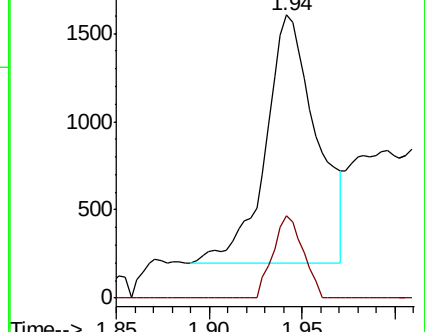
64 100

66 29.2 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU041425.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041425.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 0.658 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041425.D

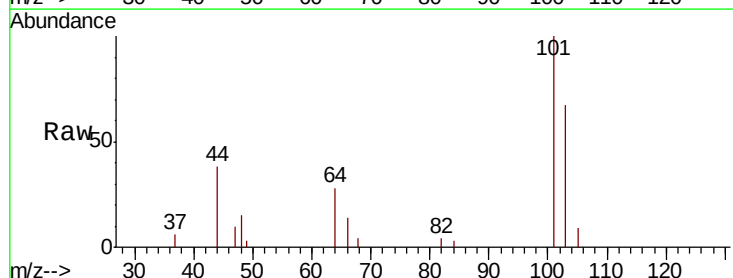
Acq: 25 Nov 2020 11:43

Tgt Ion: 101 Resp: 5459

Ion Ratio Lower Upper

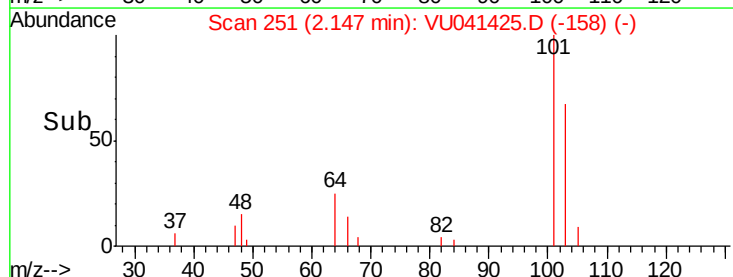
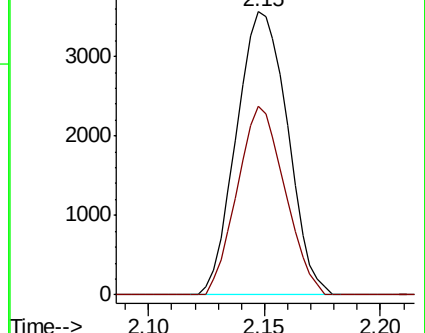
101 100

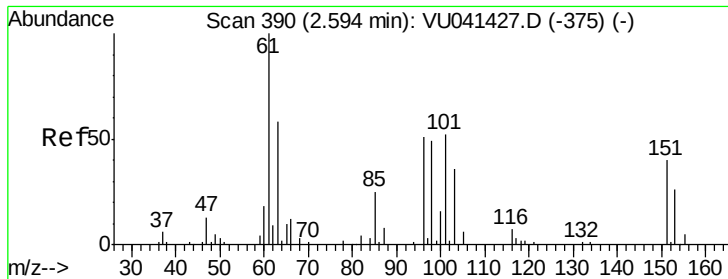
103 62.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041425.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041425.D (-239) (-)





#10

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

Concen: 0.526 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

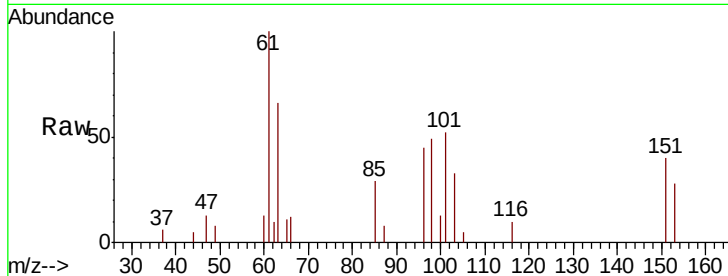
Tot Ion:101 Resp: 2404

Ion Ratio Lower Upper

101 100

85 47.5 37.8 56.6

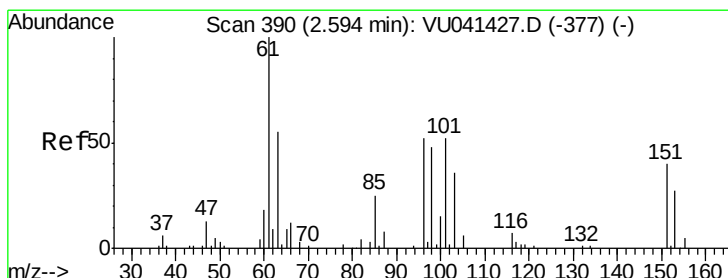
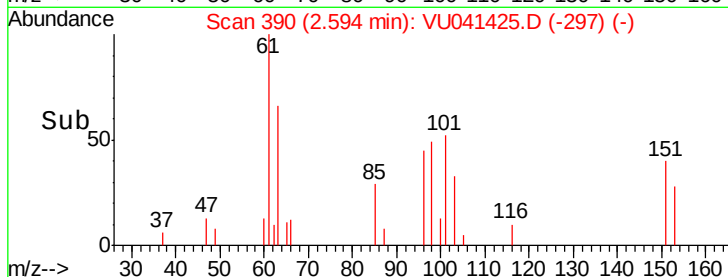
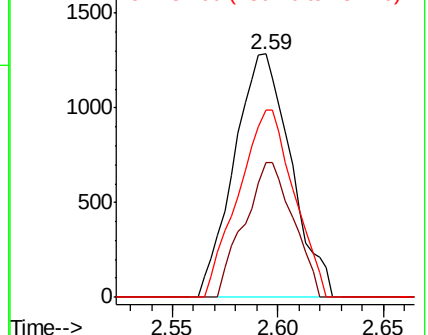
151 75.0 59.6 89.4



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: 0.456 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

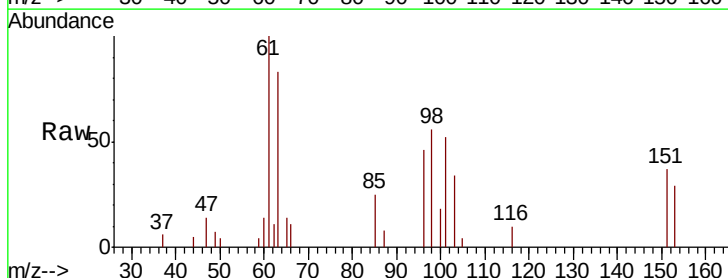
Tgt Ion: 96 Resp: 1940

Ion Ratio Lower Upper

96 100

61 218.2 136.1 252.7

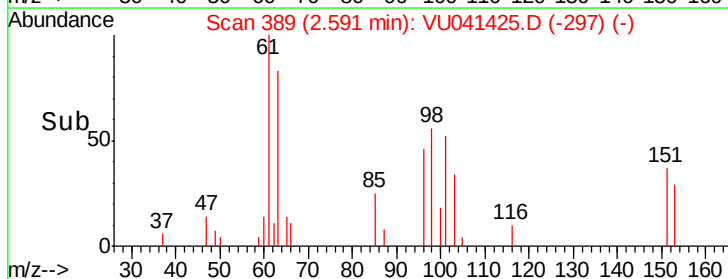
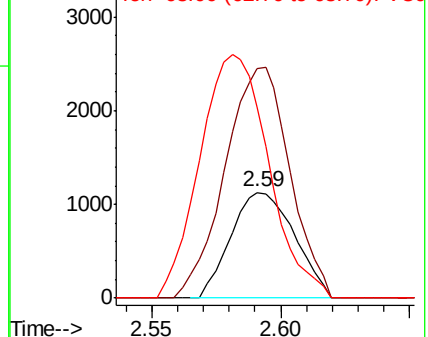
63 181.6 79.5 147.6#

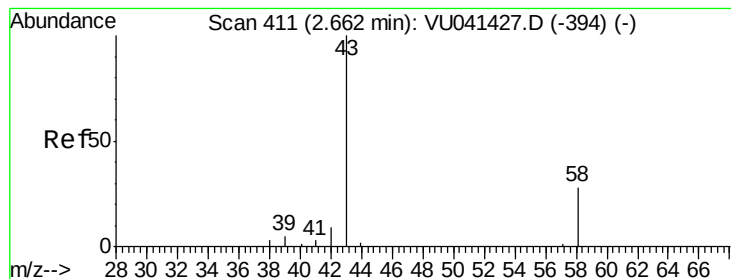


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.512 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041425.D

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ClientSampleId :

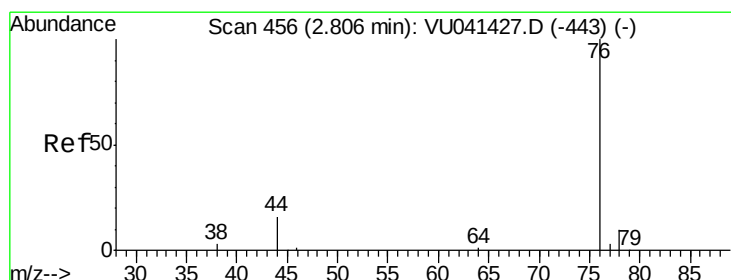
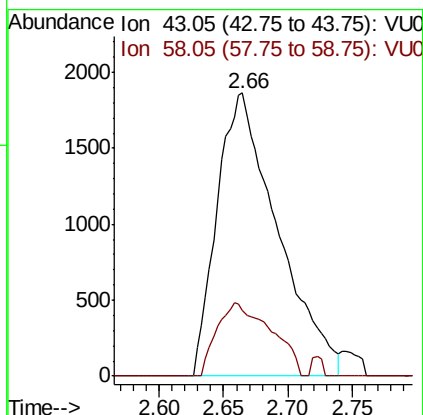
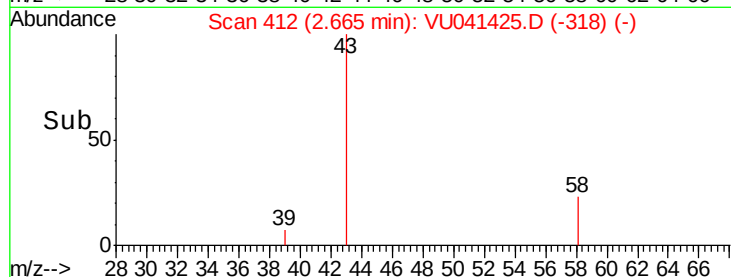
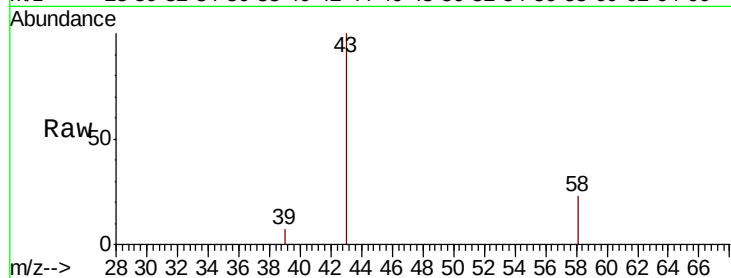
VSTD0.5103

Tot Ion: 43 Resp: 6077

Ion Ratio Lower Upper

43 100

58 23.2 0.0 58.8



#14

Carbon disulfide

Concen: 0.441 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041425.D

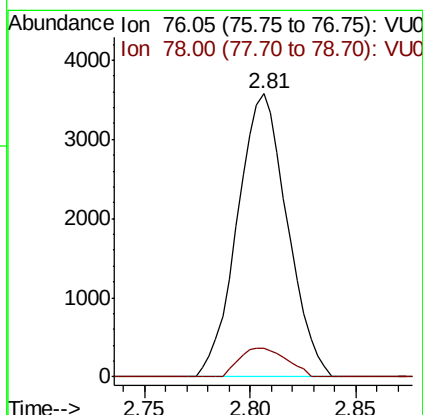
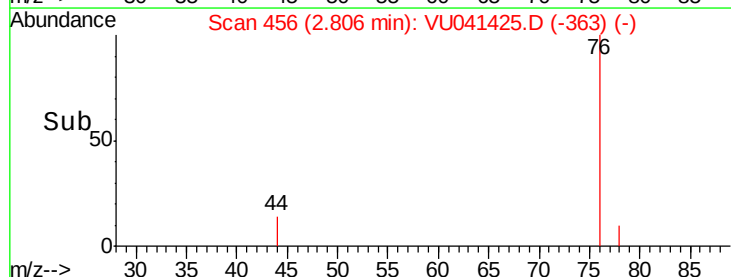
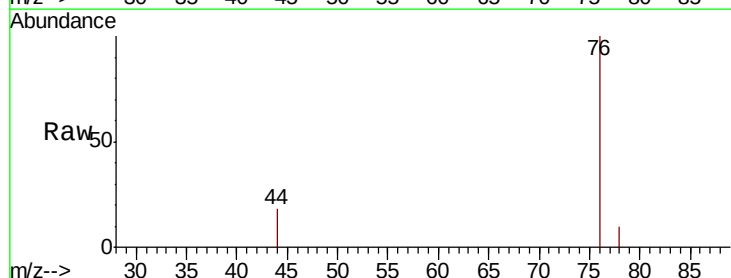
Acq: 25 Nov 2020 11:43

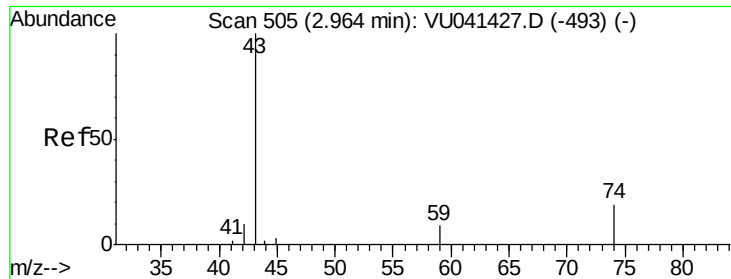
Tgt Ion: 76 Resp: 5860

Ion Ratio Lower Upper

76 100

78 9.9 7.8 11.6

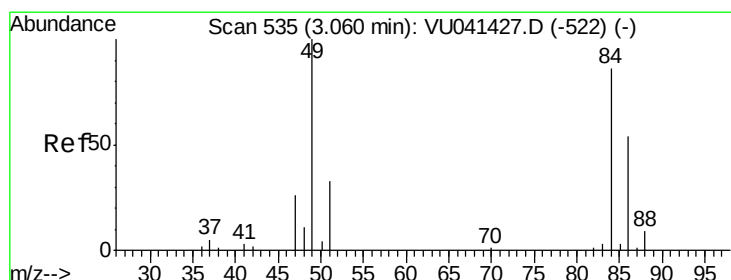
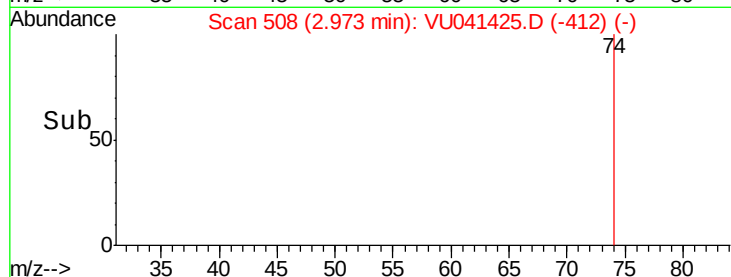
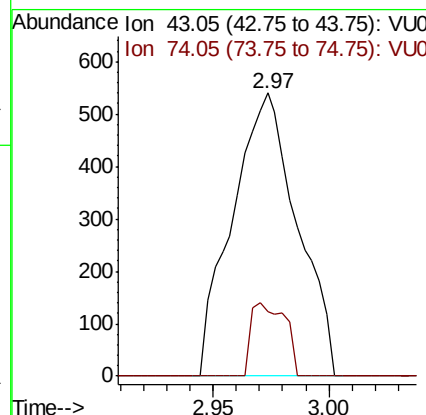
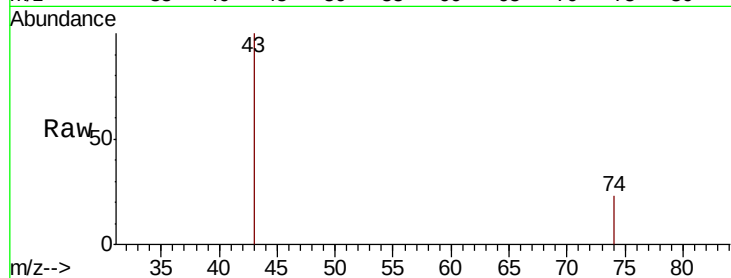




#15
Methvl Acetate
Concen: 0.419 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

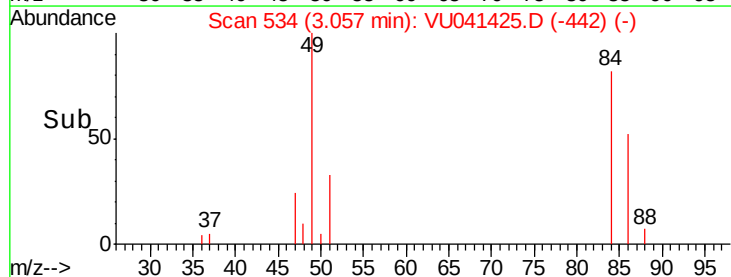
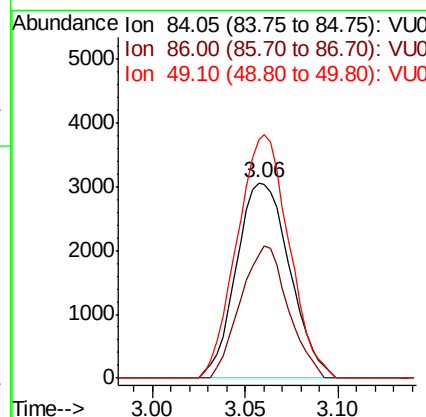
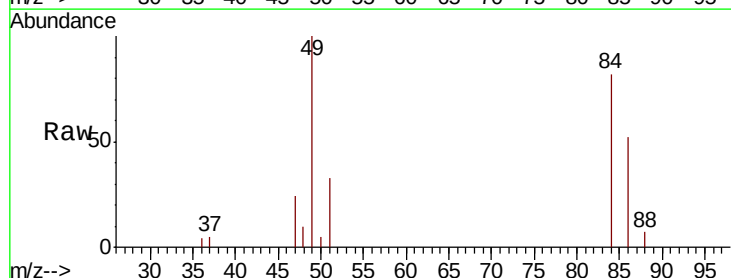
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

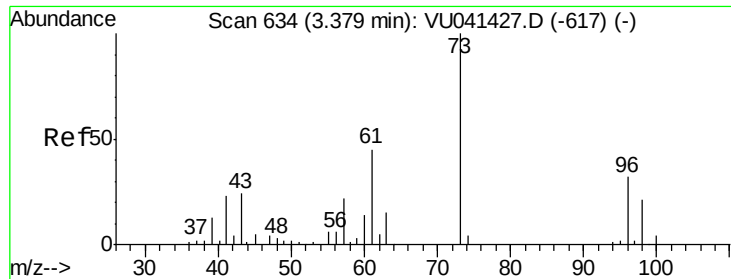
Tot Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
74 13.5 18.0 27.0#



#16
Methylene chloride
Concen: 1.204 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion: 84 Resp: 6129
Ion Ratio Lower Upper
84 100
86 63.2 44.5 82.7
49 121.8 81.8 152.0

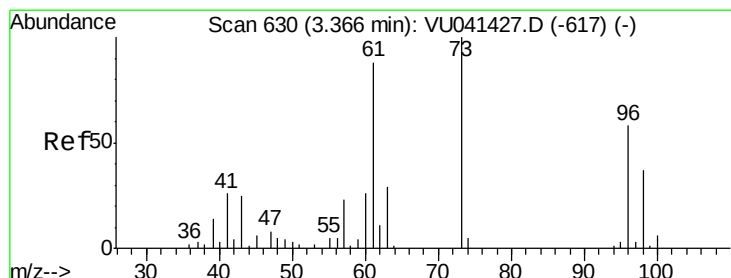
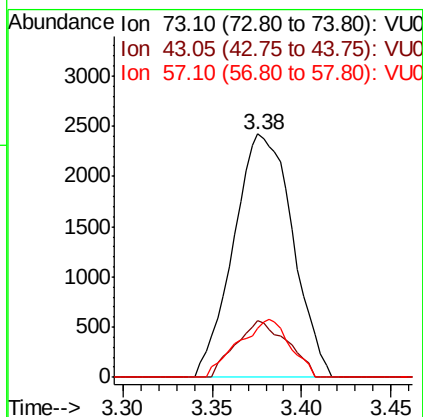
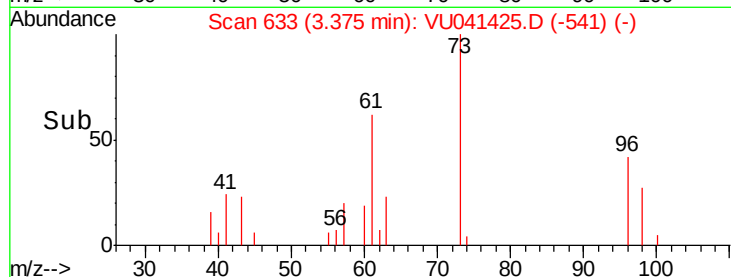
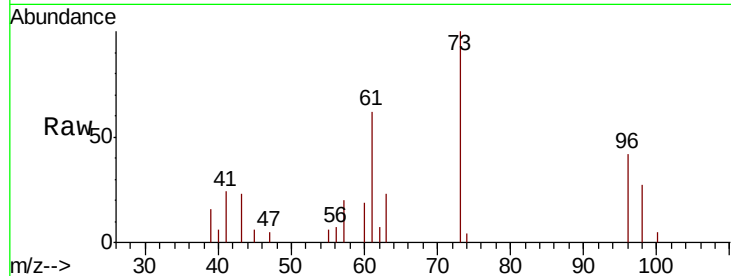




#17
Methyl tert-butyl Ether
Concen: 0.496 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

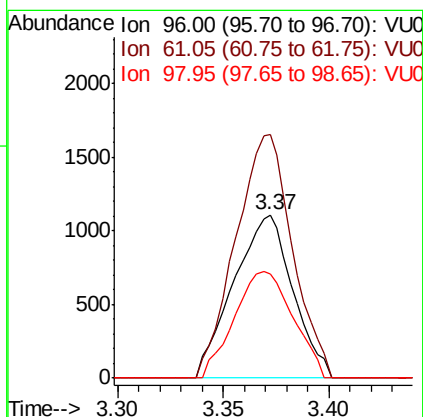
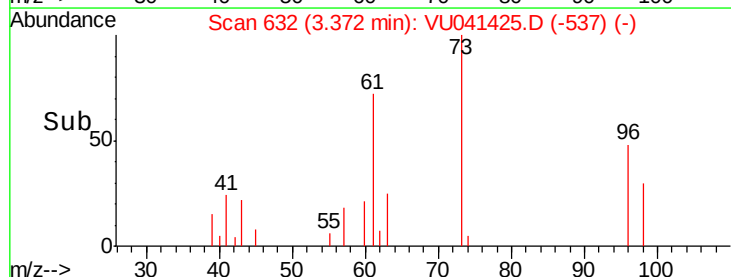
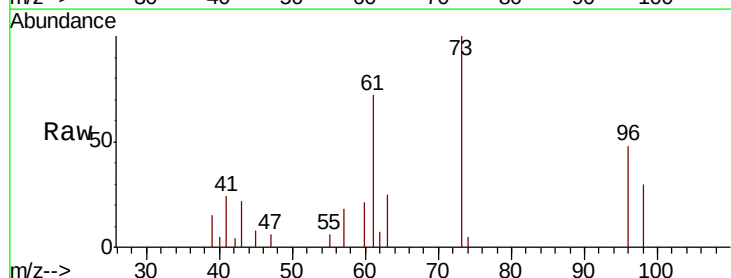
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

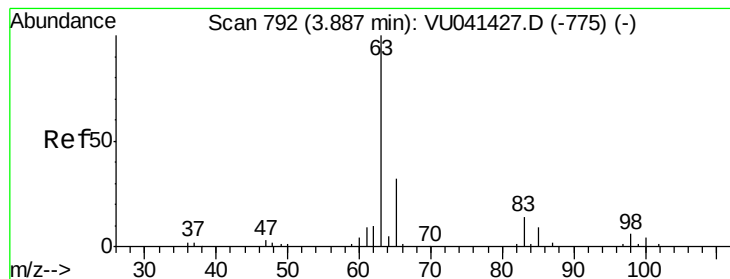
Tot Ion: 73 Resp: 5598
Ion Ratio Lower Upper
73 100
43 20.5 19.8 29.8
57 20.9 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.496 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion: 96 Resp: 2155
Ion Ratio Lower Upper
96 100
61 148.9 106.4 197.6
98 63.3 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.514 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

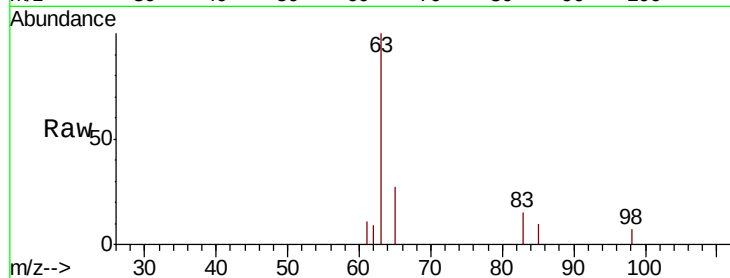
Tot Ion: 63 Resp: 4602

Ion Ratio Lower Upper

63 100

65 27.4 22.3 41.3

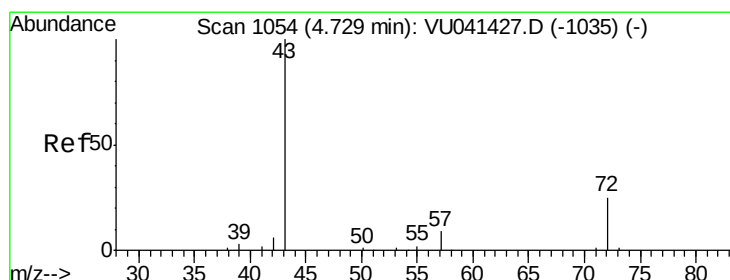
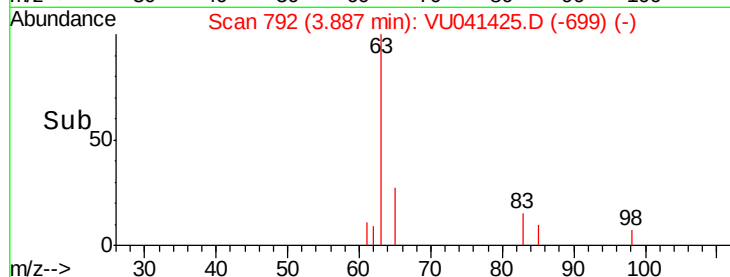
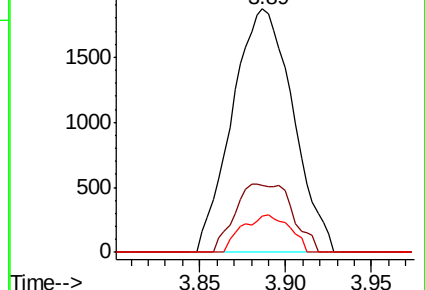
83 15.0 9.9 18.3



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: 3.948 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU041425.D

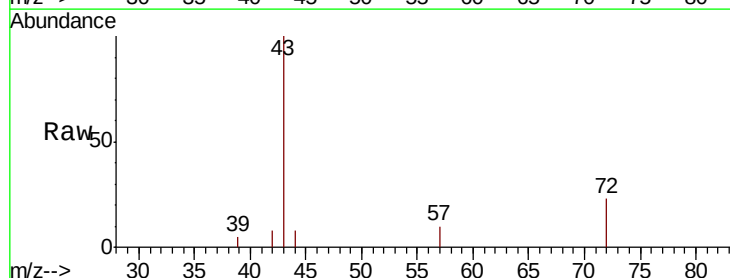
Acq: 25 Nov 2020 11:43

Tgt Ion: 43 Resp: 6854

Ion Ratio Lower Upper

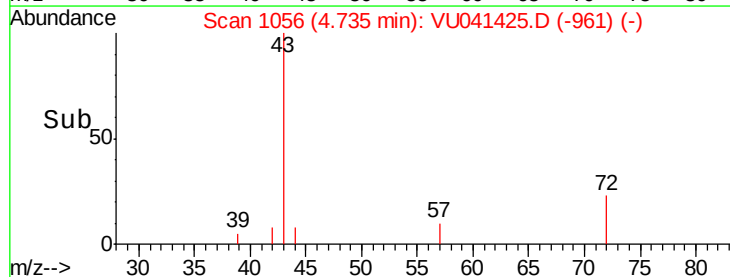
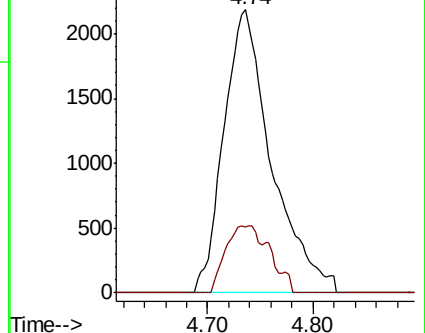
43 100

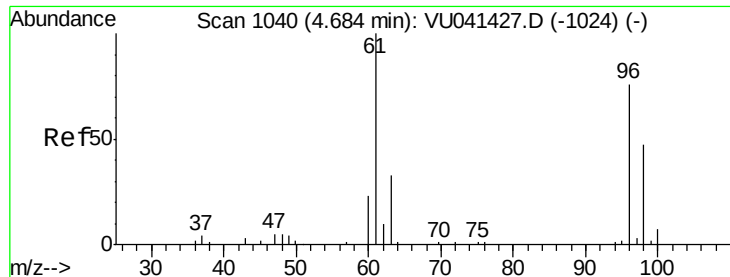
72 21.9 13.4 40.1



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: 0.498 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

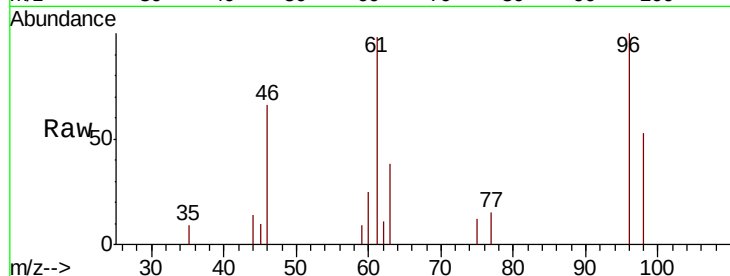
Tot Ion: 96 Resp: 2334

Ion Ratio Lower Upper

96 100

61 97.5 92.3 171.3

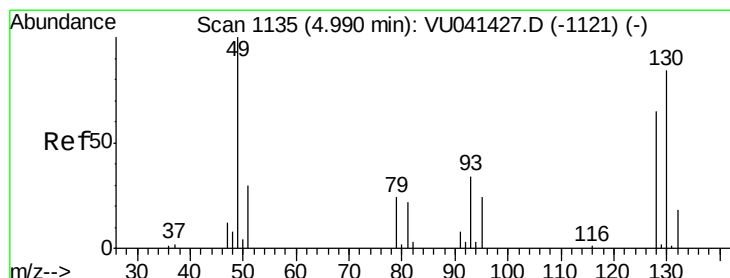
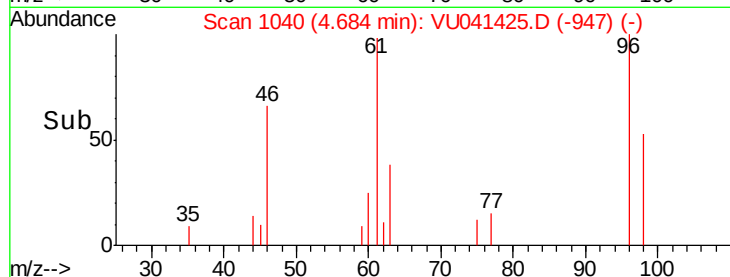
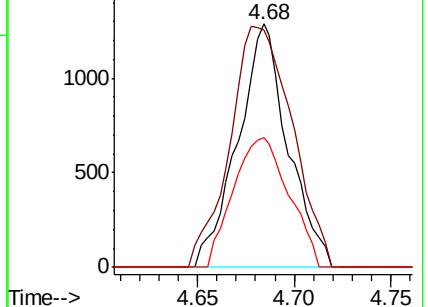
98 53.2 43.5 80.7



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: 0.504 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Tgt Ion:128 Resp: 1118

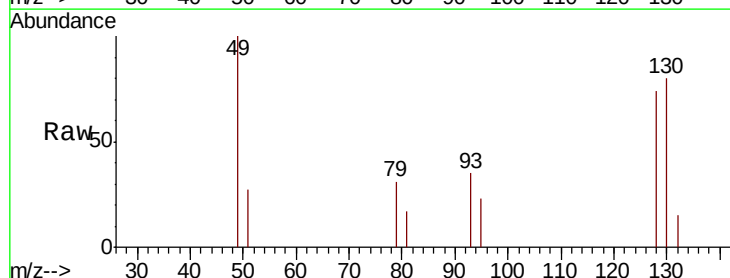
Ion Ratio Lower Upper

128 100

49 134.5 108.4 201.4

130 107.0 91.2 169.4

51 36.8 37.8 56.6#

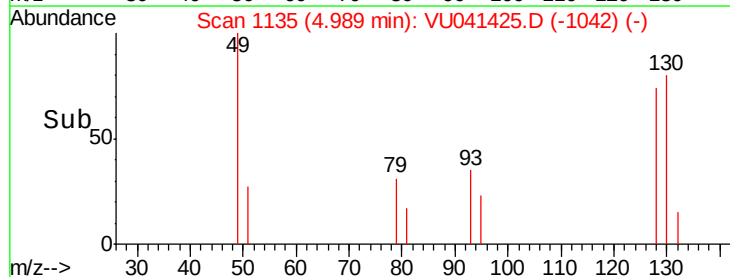
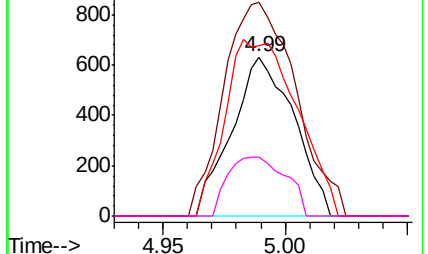


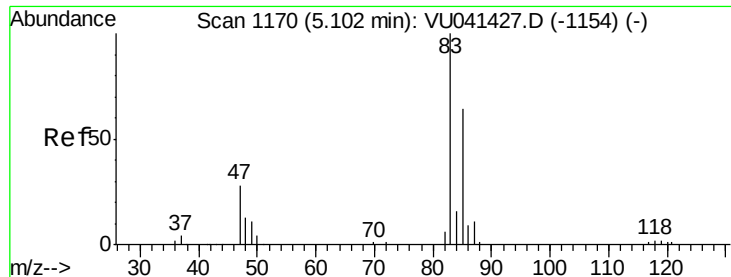
Abundance Ion 127.90 (127.60 to 128.60): V

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

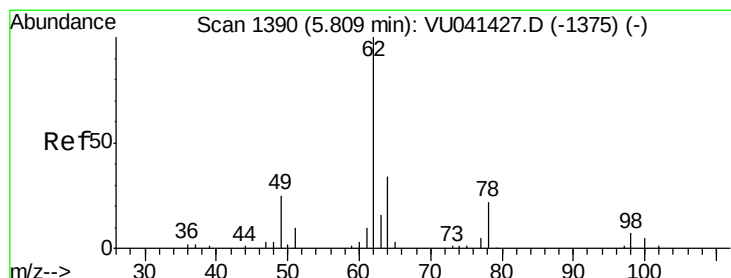
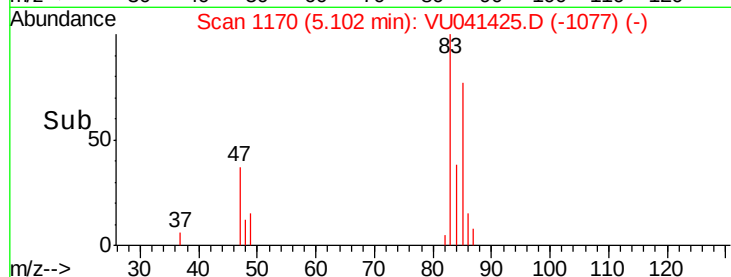
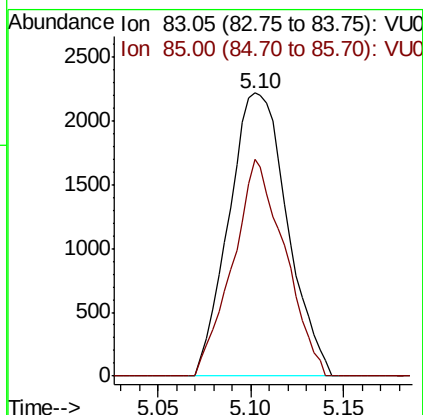
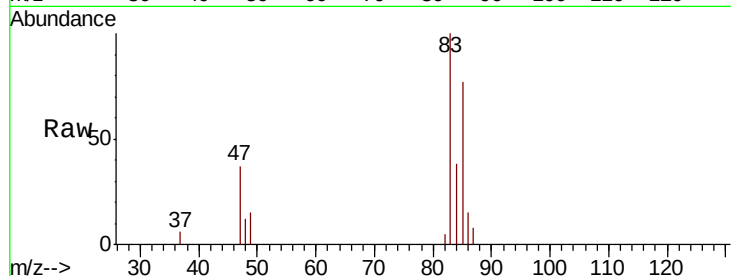




#25
Chloroform
Concen: 0.520 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

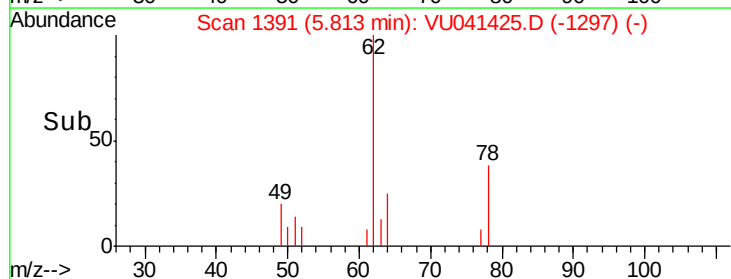
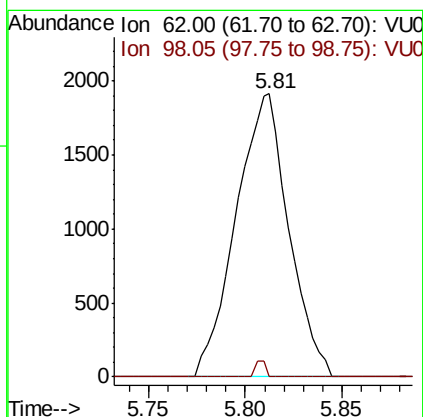
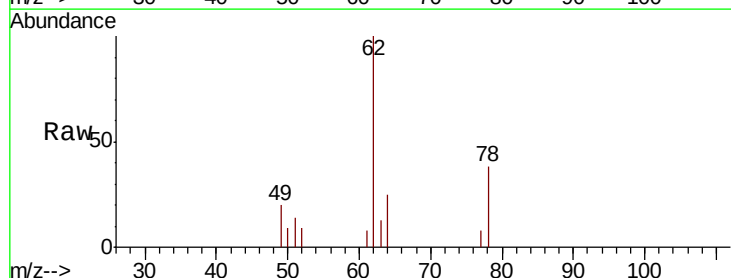
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

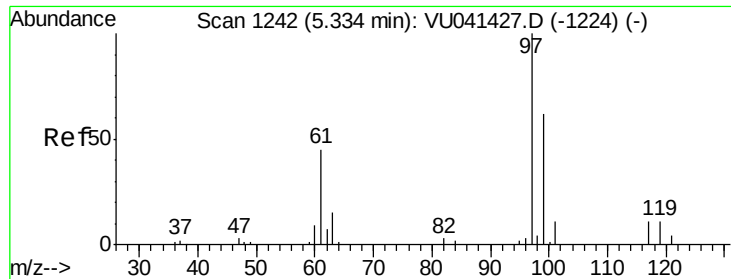
Tot Ion: 83 Resp: 4845
Ion Ratio Lower Upper
83 100
85 76.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.531 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion: 62 Resp: 3625
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.6#

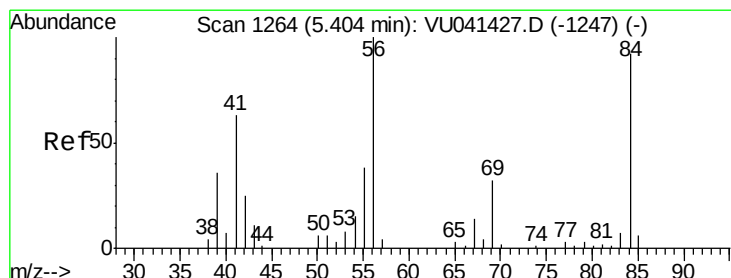
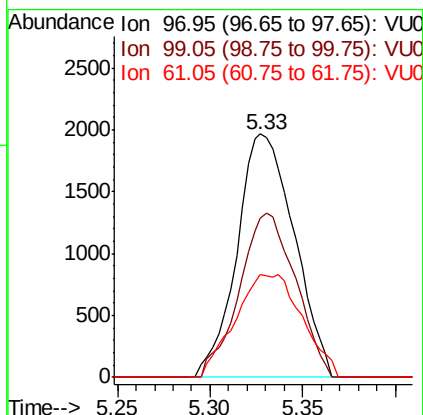
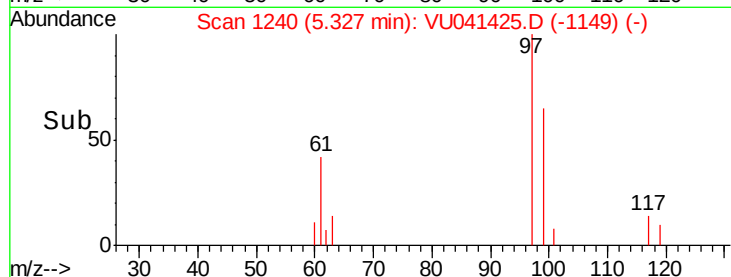
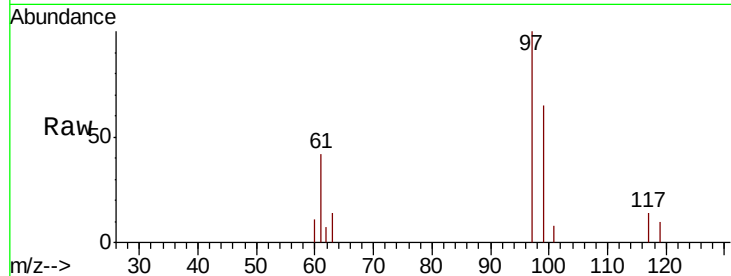




#29
1,1,1-Trichloroethane
Concen: 0.523 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

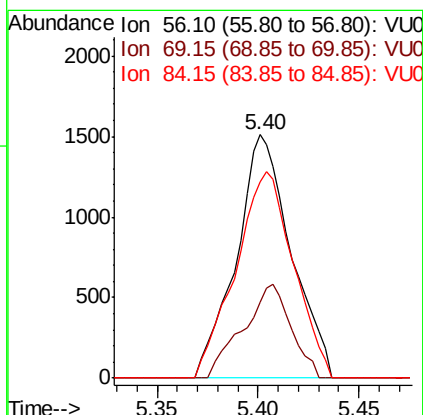
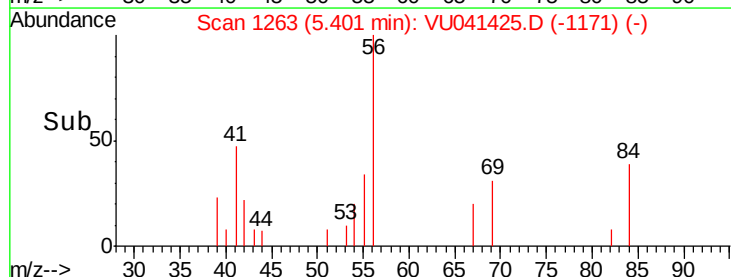
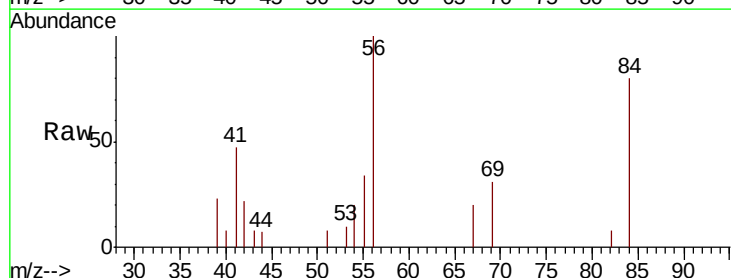
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

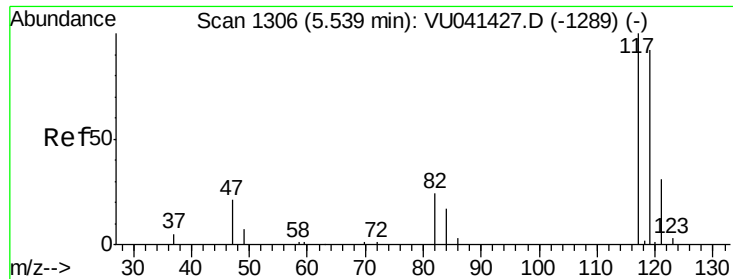
Tot Ion: 97 Resp: 4229
Ion Ratio Lower Upper
97 100
99 66.1 50.7 76.1
61 49.3 36.9 55.3



#30
Cyclohexane
Concen: 0.405 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion: 56 Resp: 2865
Ion Ratio Lower Upper
56 100
69 33.7 25.2 37.8
84 89.4 70.8 106.2





#31

Carbon tetrachloride

Concen: 0.579 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

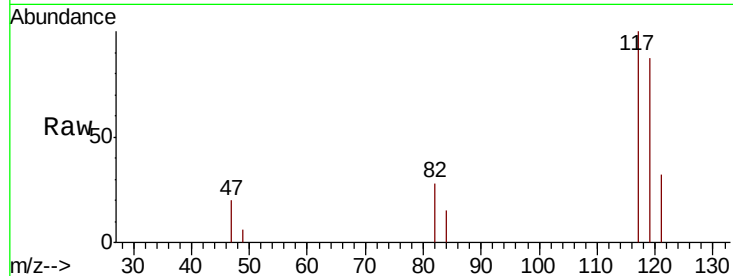
VSTD0.5103

Tot Ion:117 Resp: 4048

Ion Ratio Lower Upper

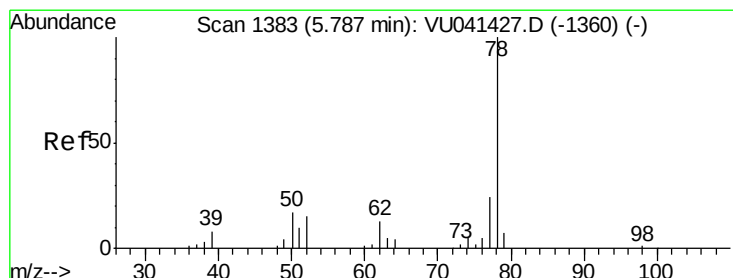
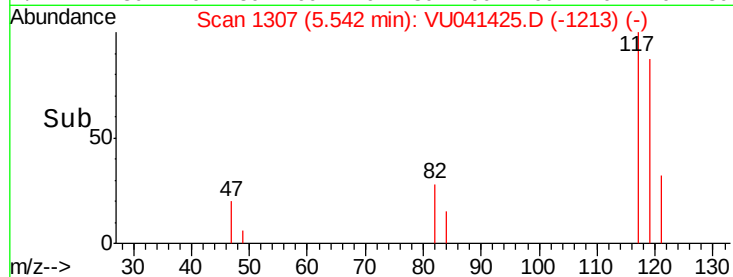
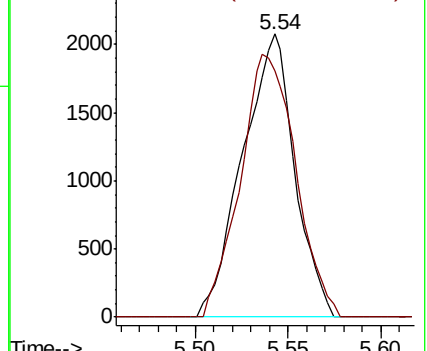
117 100

119 98.7 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: 0.468 ug/L

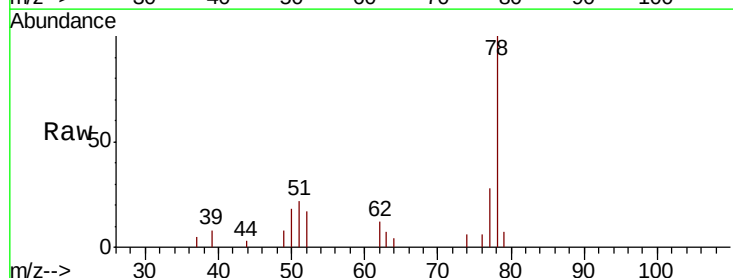
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

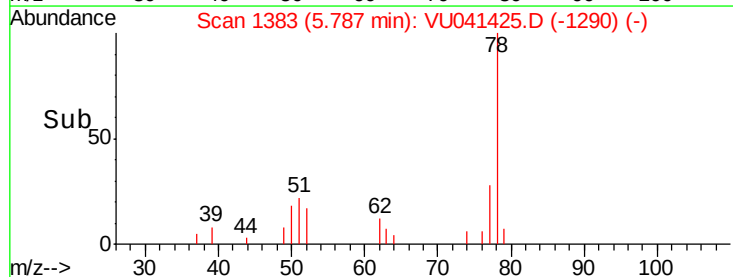
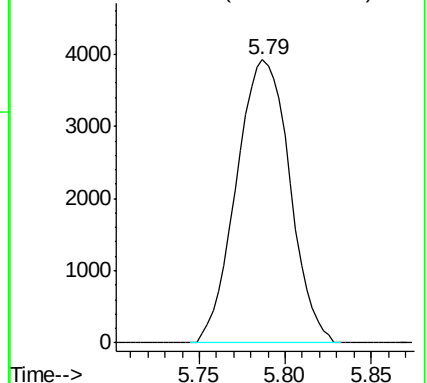
Lab File: VU041425.D

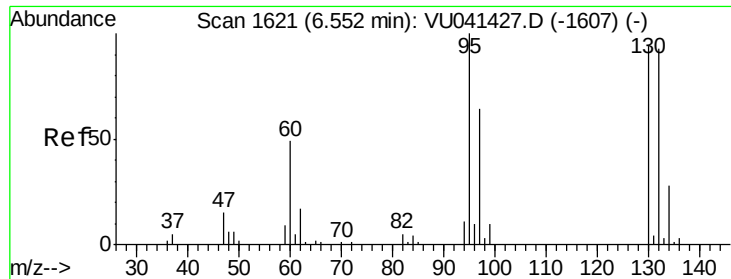
Acq: 25 Nov 2020 11:43

Tgt Ion: 78 Resp: 8461



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.523 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

Tot Ion: 95 Resp: 2566

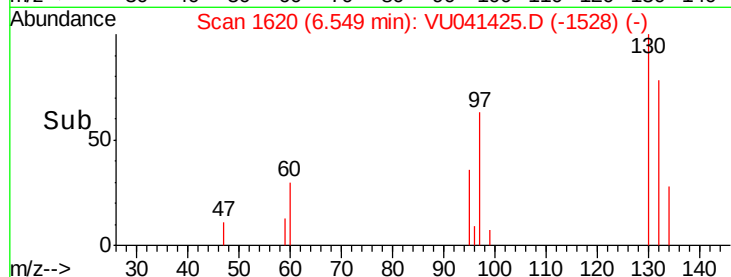
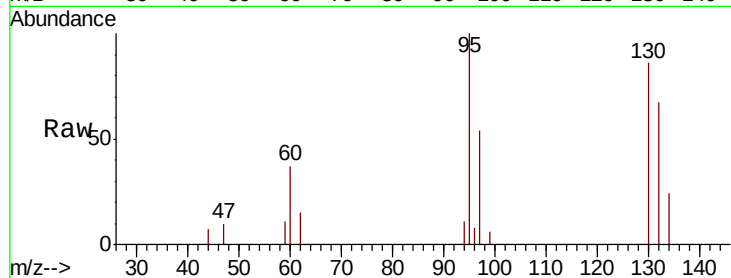
Ion Ratio Lower Upper

95 100

97 54.2 44.8 83.2

132 67.0 64.8 120.4

130 85.7 65.8 122.2

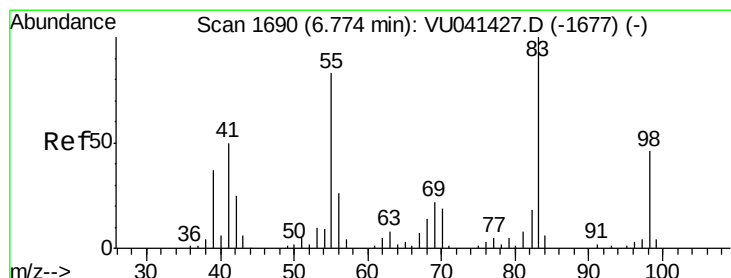
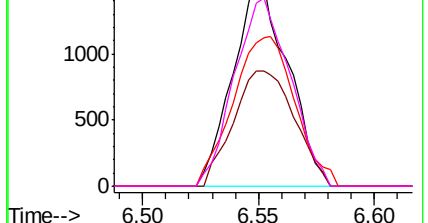


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.425 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

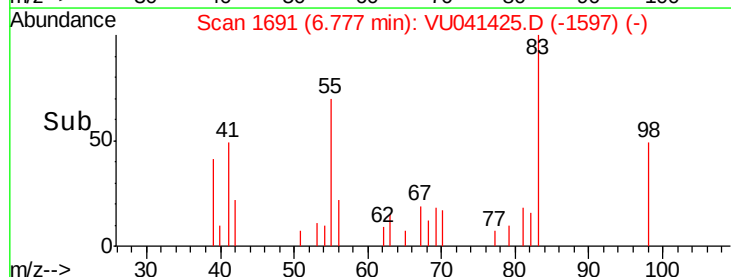
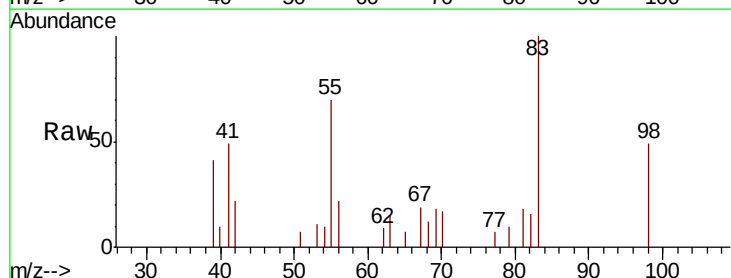
Tgt Ion: 83 Resp: 2909

Ion Ratio Lower Upper

83 100

55 78.9 66.5 99.7

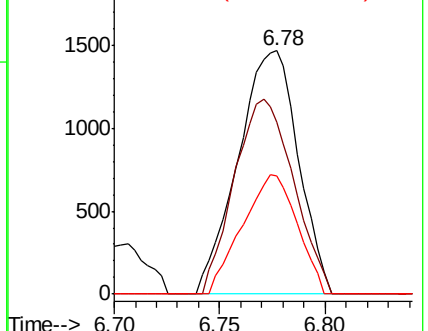
98 44.8 36.8 55.2

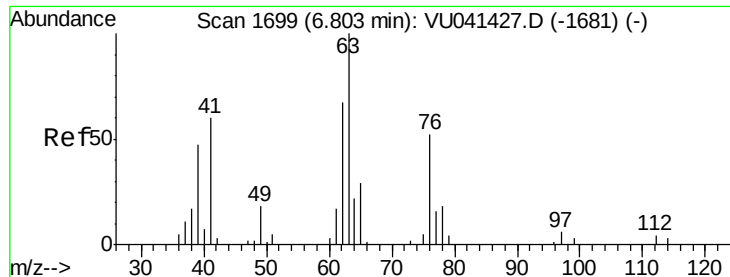


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

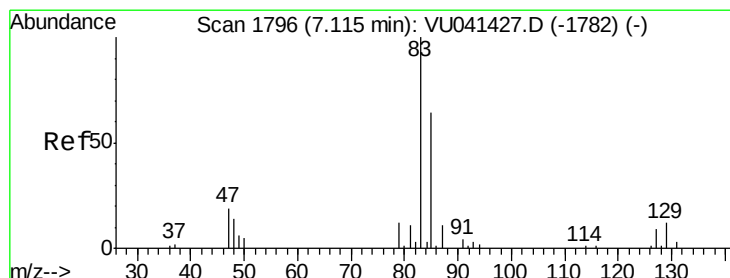
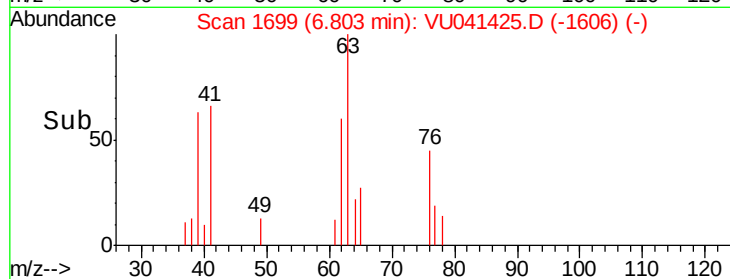
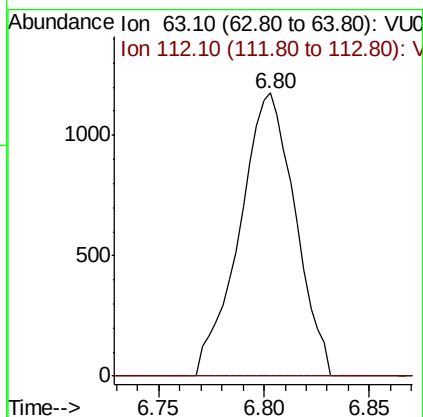
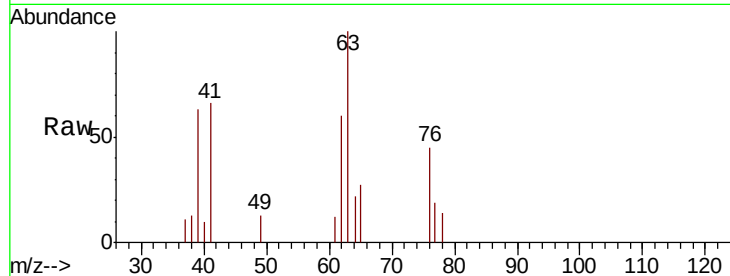




#37
 1,2-Dichloropropane
 Concen: 0.427 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

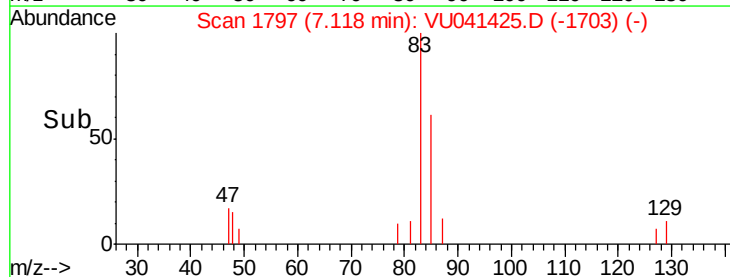
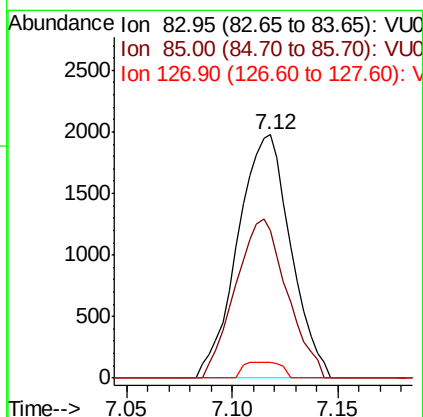
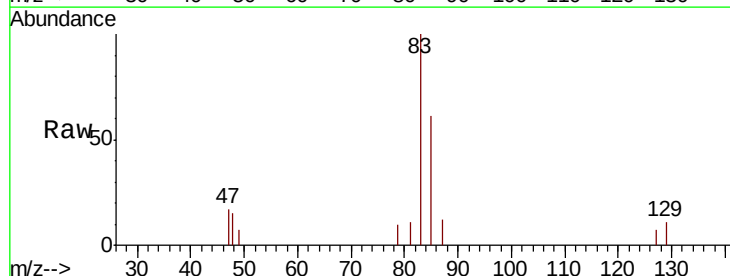
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

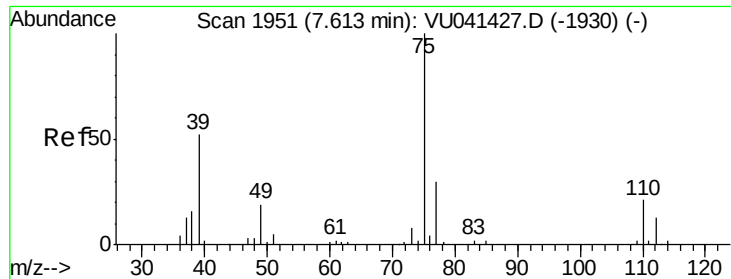
Tot Ion: 63 Resp: 2162
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.522 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion: 83 Resp: 3454
 Ion Ratio Lower Upper
 83 100
 85 60.7 44.7 83.1
 127 6.6 7.2 10.8#

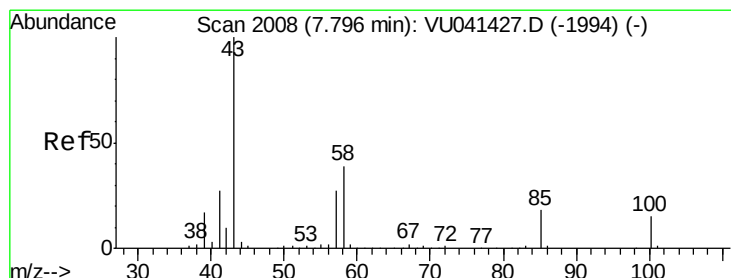
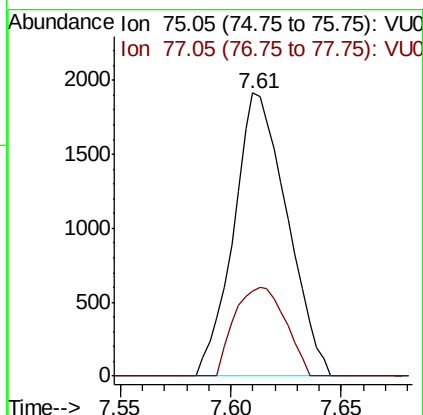
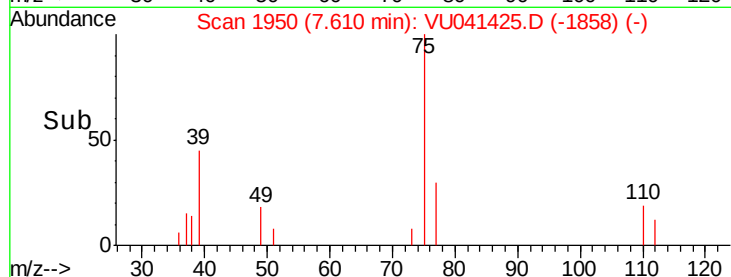
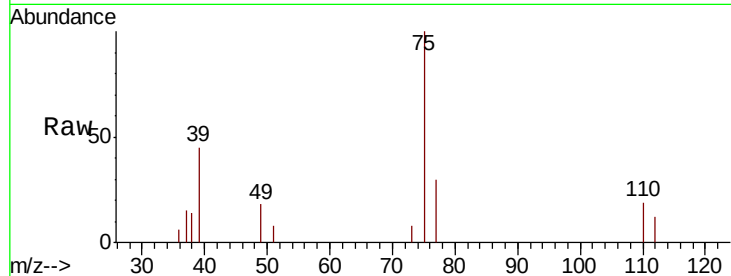




#39
 cis-1,3-Dichloropropene
 Concen: 0.462 ug/L
 RT: 7.61 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

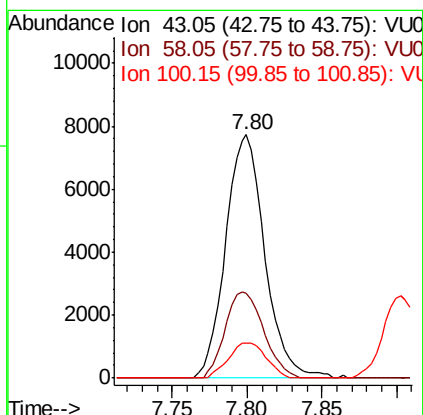
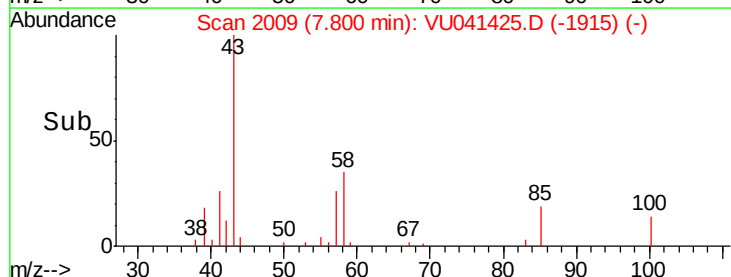
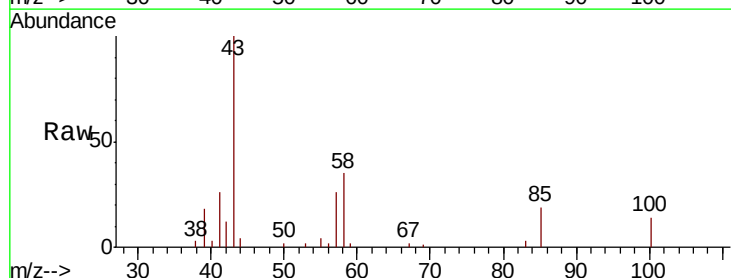
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

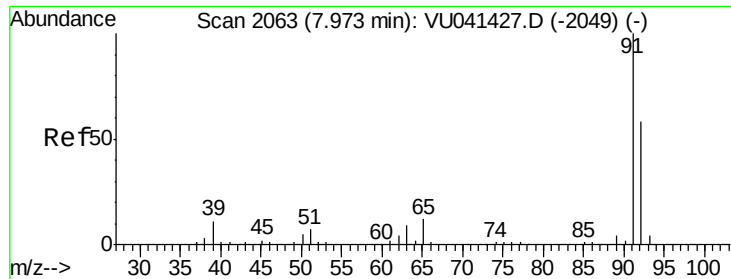
Tot Ion: 75 Resp: 3220
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 3.738 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion: 43 Resp: 14072
 Ion Ratio Lower Upper
 43 100
 58 34.9 31.0 46.6
 100 13.9 12.0 18.0





#42

Toluene

Concen: 0.449 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

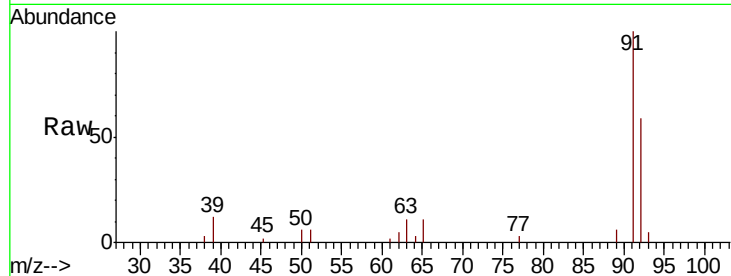
VSTD0.5103

Tot Ion: 91 Resp: 8368

Ion Ratio Lower Upper

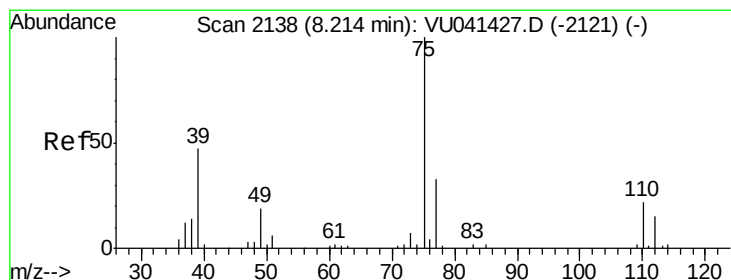
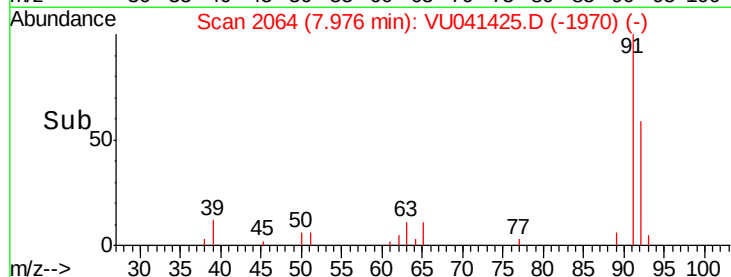
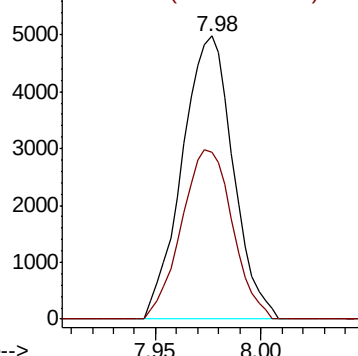
91 100

92 58.9 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: 0.468 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041425.D

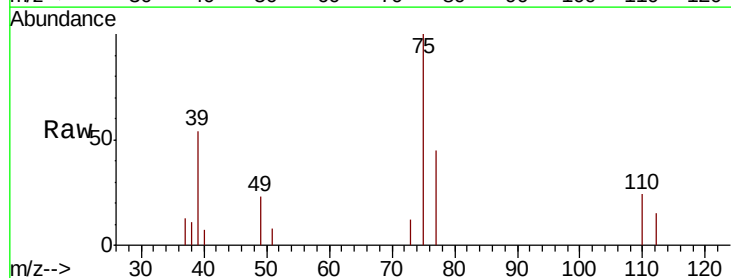
Acq: 25 Nov 2020 11:43

Tgt Ion: 75 Resp: 3060

Ion Ratio Lower Upper

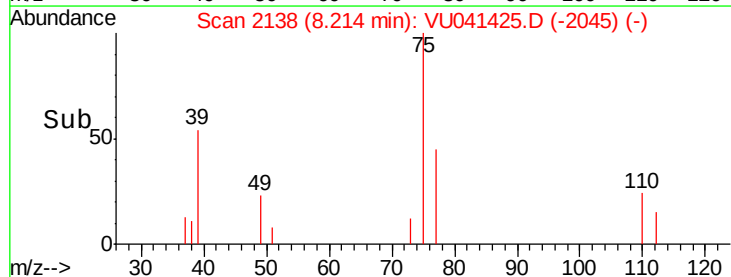
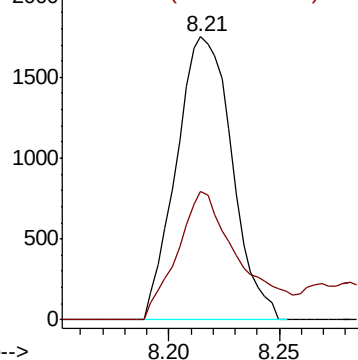
75 100

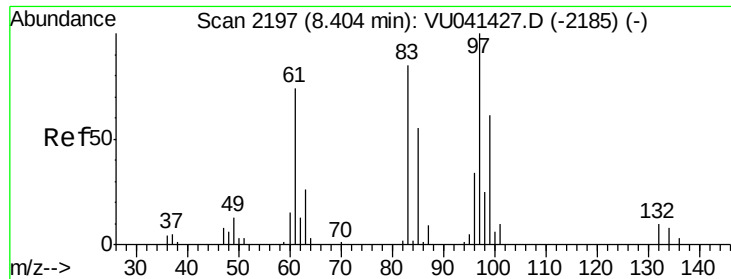
77 45.4 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

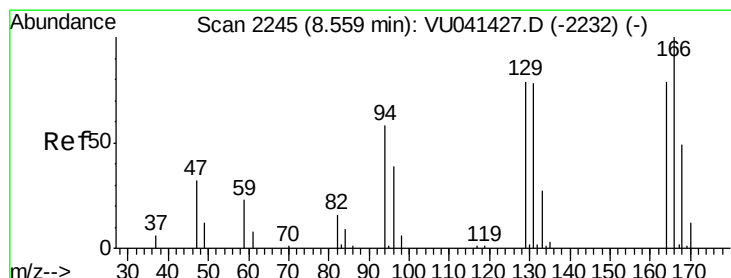
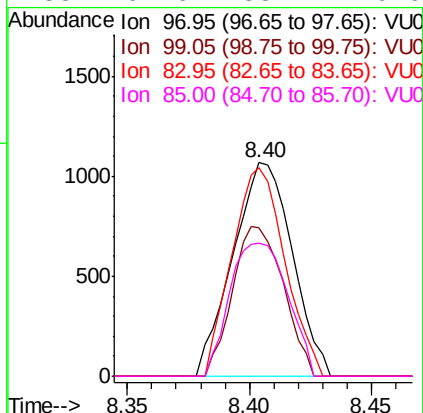
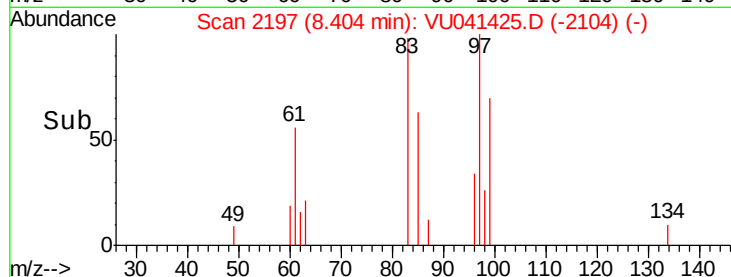
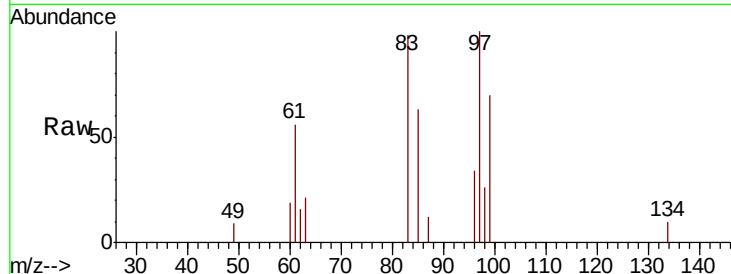




#45
 1,1,2-Trichloroethane
 Concen: 0.492 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

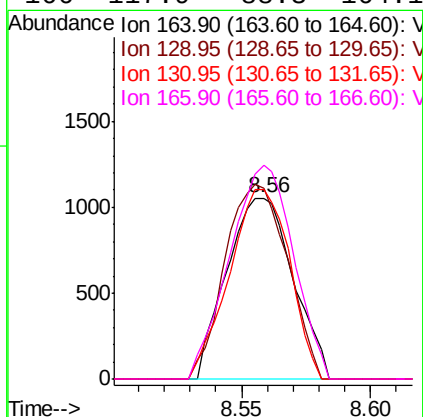
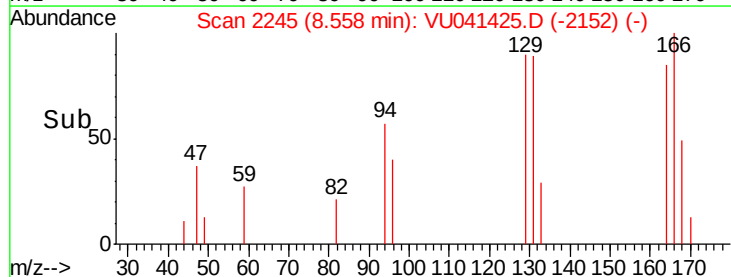
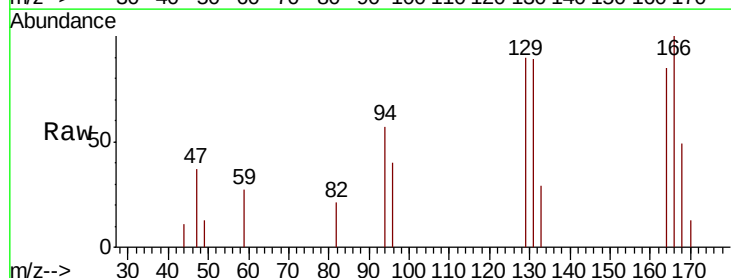
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

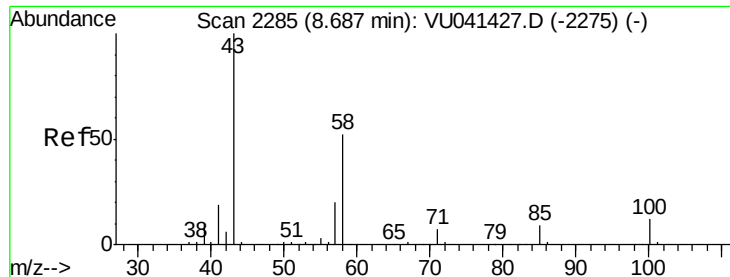
Tot Ion:	97	Resp:	1801
Ion	Ratio	Lower	Upper
97	100		
99	69.6	42.5	78.9
83	97.7	59.8	111.1
85	62.6	38.1	70.9



#47
 Tetrachloroethene
 Concen: 0.549 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion:	164	Resp:	1890
Ion	Ratio	Lower	Upper
164	100		
129	105.7	70.0	130.0
131	104.8	68.6	127.4
166	117.9	88.3	164.1

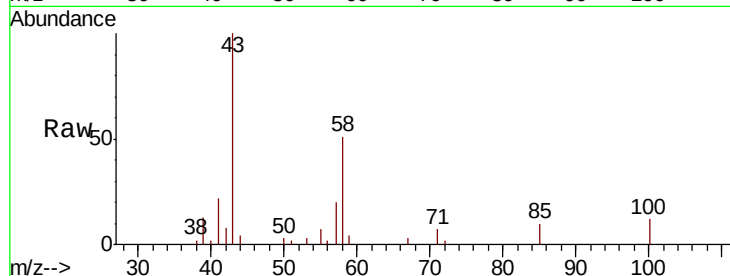




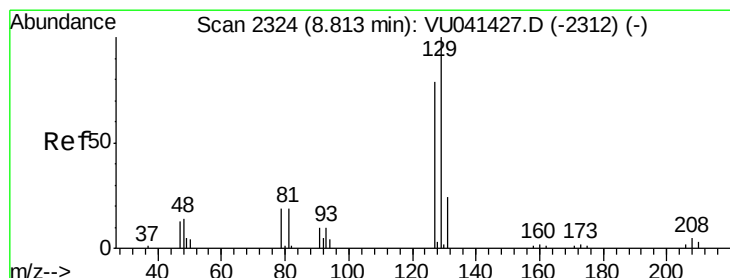
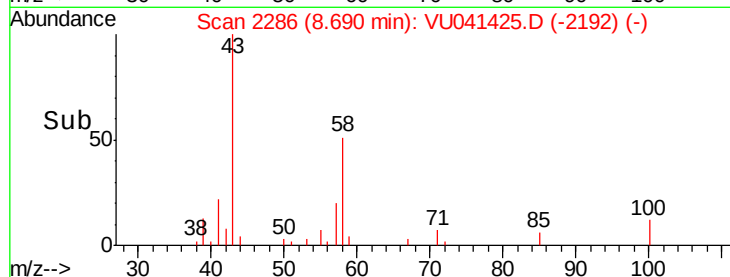
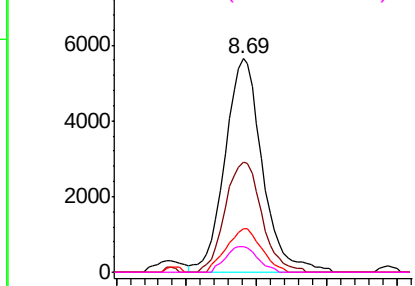
#48
2-Hexanone
Concen: 3.698 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

Tot Ion: 43 Resp: 10445
Ion Ratio Lower Upper
43 100
58 50.3 42.0 63.0
57 19.1 16.0 24.0
100 10.2 9.3 13.9

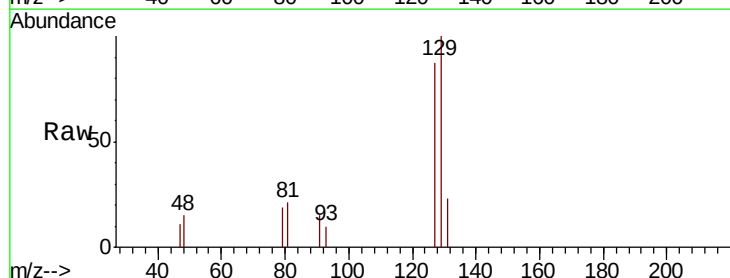


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

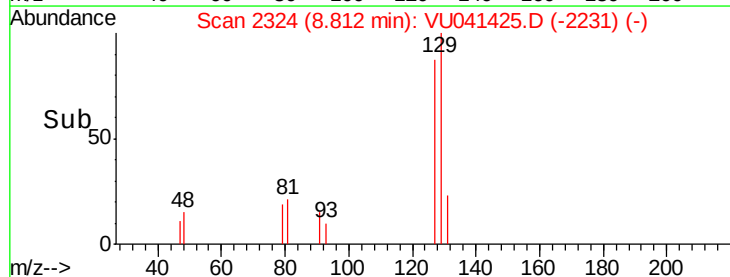
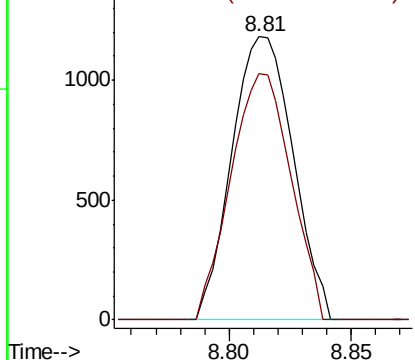


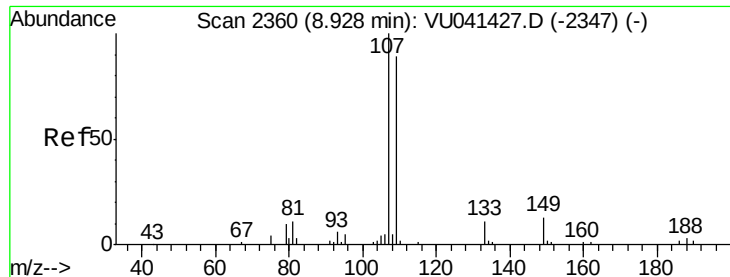
#49
Dibromochloromethane
Concen: 0.468 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion: 129 Resp: 2064
Ion Ratio Lower Upper
129 100
127 86.8 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

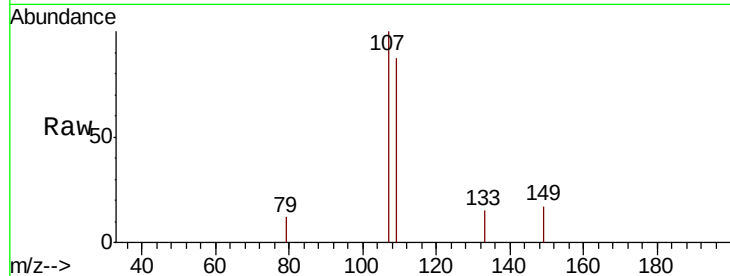




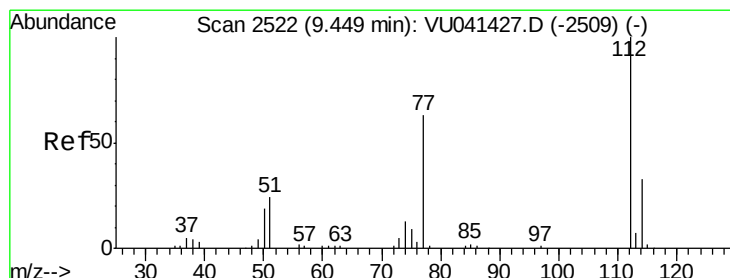
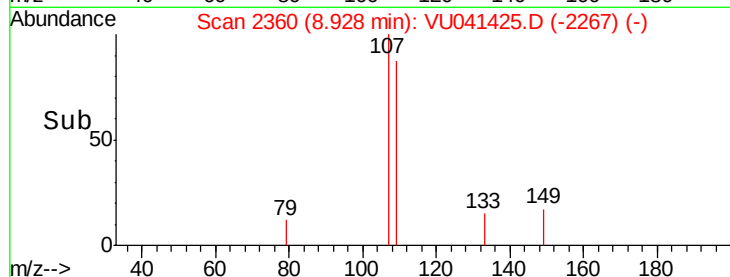
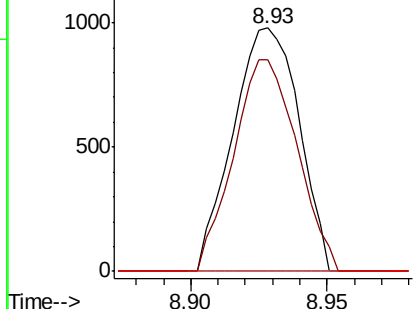
#50
 1,2-Dibromoethane
 Concen: 0.470 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:107 Resp: 1644
 Ion Ratio Lower Upper
 107 100
 109 87.0 62.6 116.3
 188 0.0 2.6 4.0#

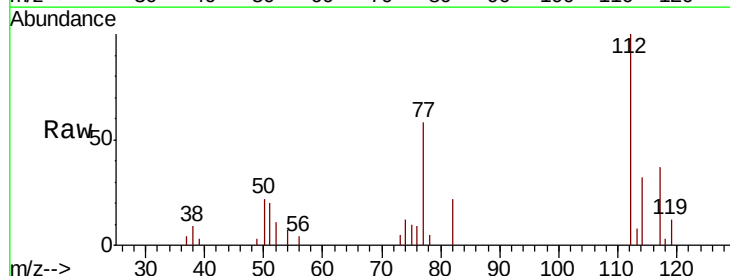


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

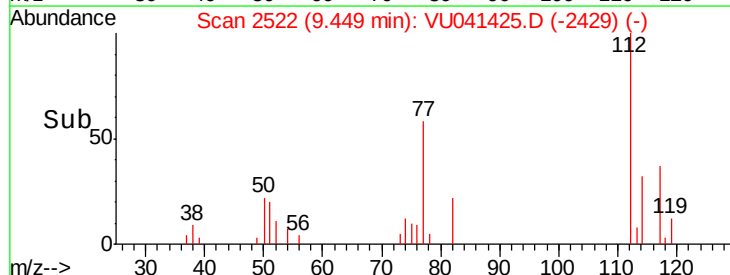
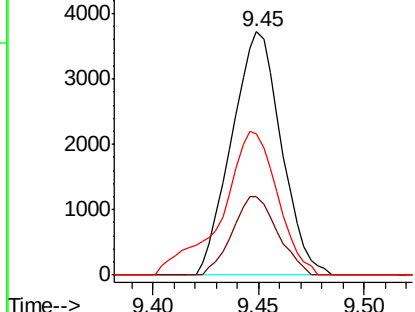


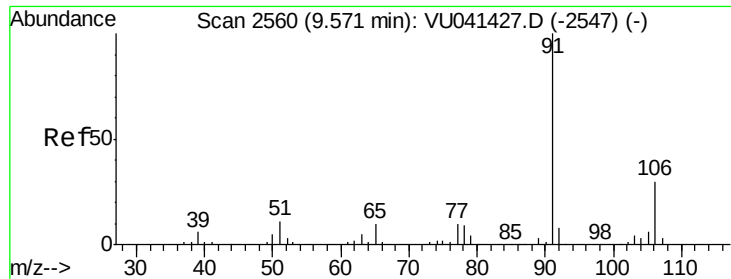
#51
 Chlorobenzene
 Concen: 0.511 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion:112 Resp: 6073
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.4 43.6
 77 57.7 51.2 76.8



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): VU0





#52

Ethylbenzene

Concen: 0.438 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

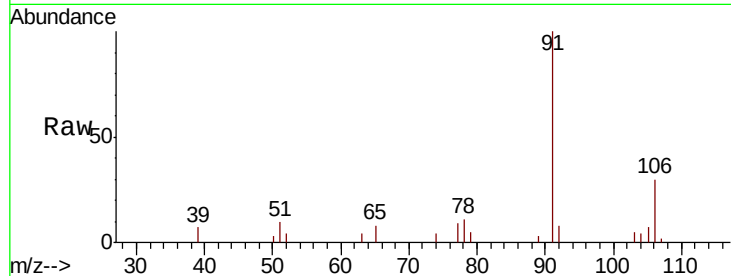
VSTD0.5103

Tot Ion: 91 Resp: 8476

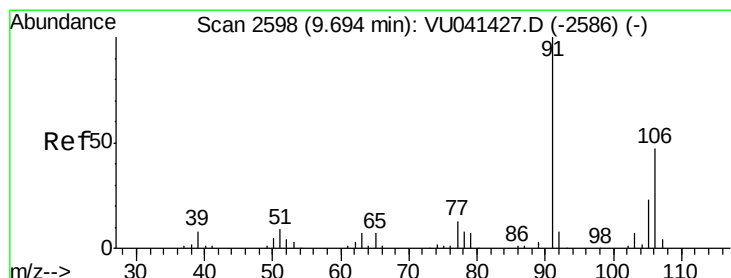
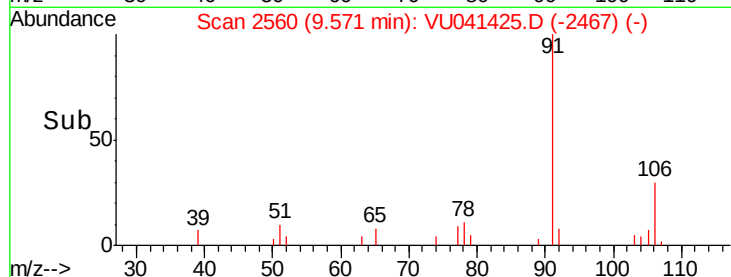
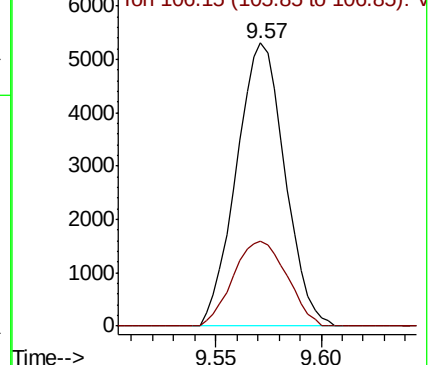
Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041425.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.396 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041425.D

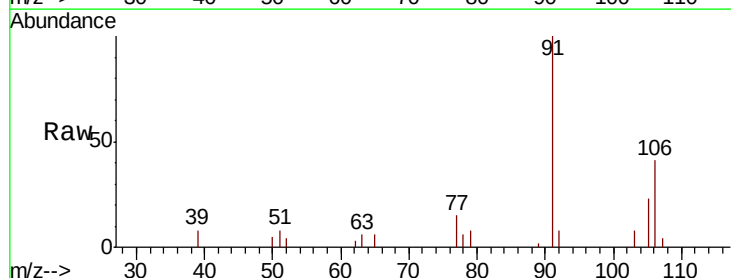
Acq: 25 Nov 2020 11:43

Tgt Ion: 106 Resp: 2792

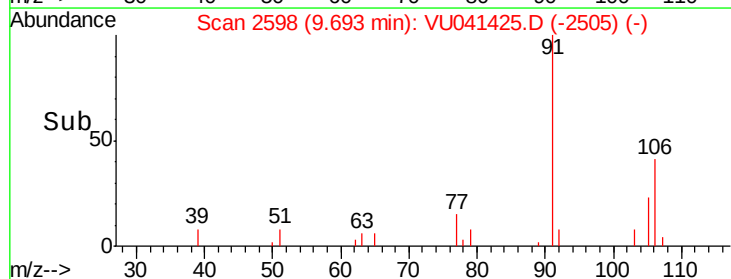
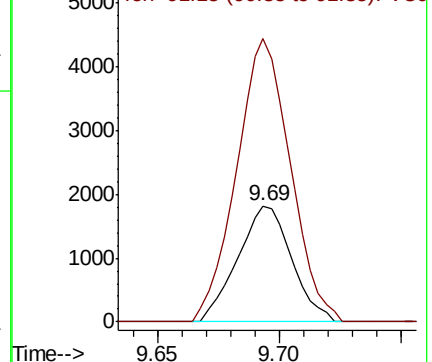
Ion Ratio Lower Upper

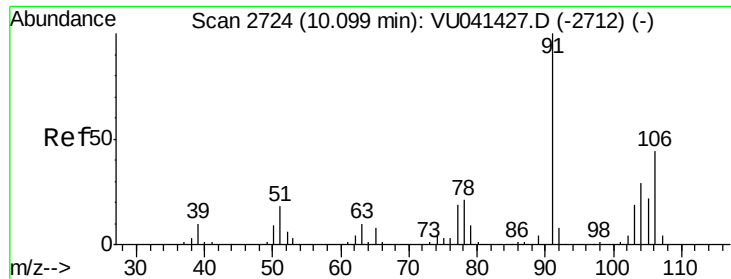
106 100

91 243.3 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041425.D (-2598) (-)

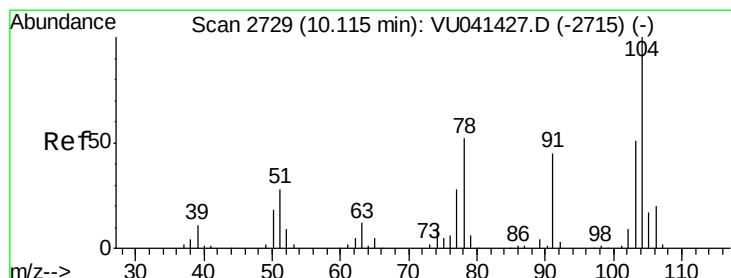
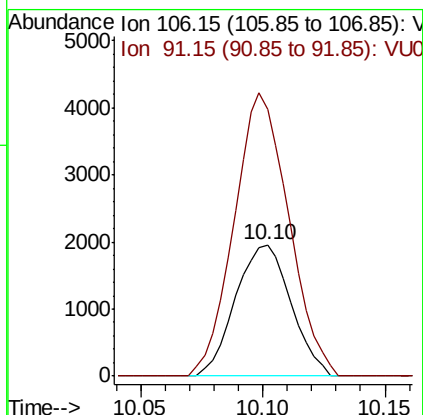
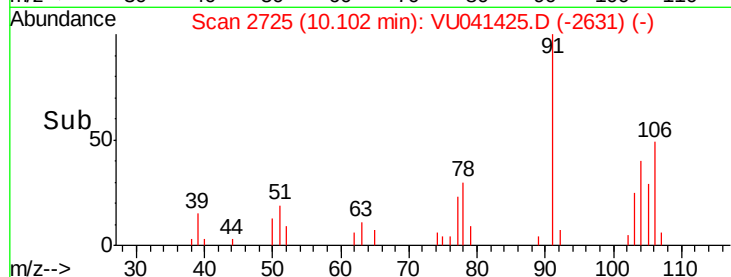
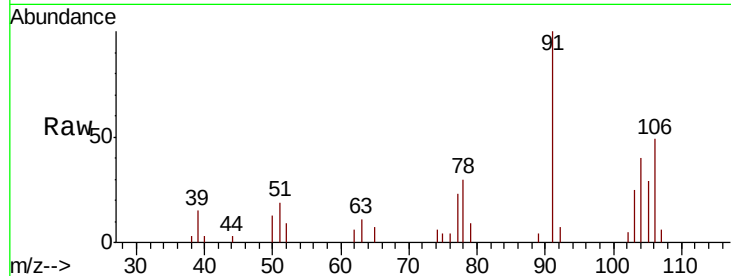




#54
o-Xylene
Concen: 0.457 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

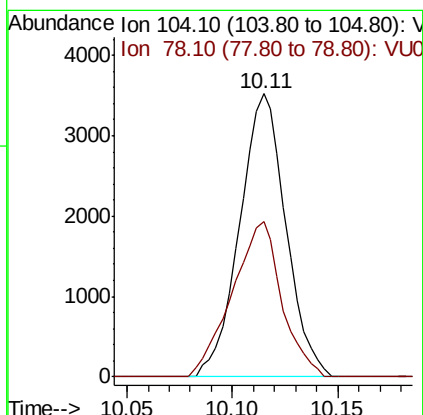
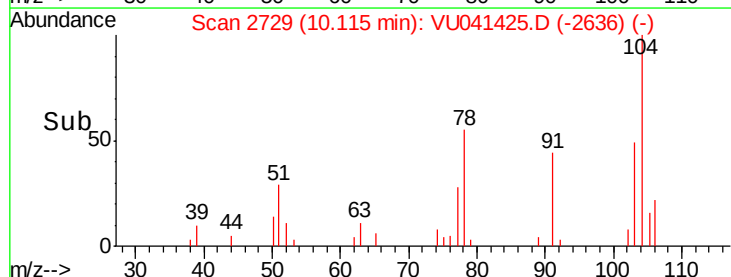
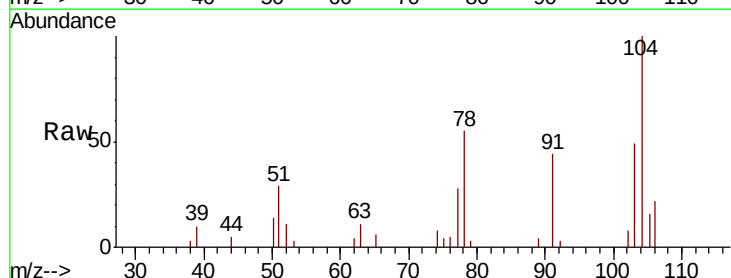
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5103

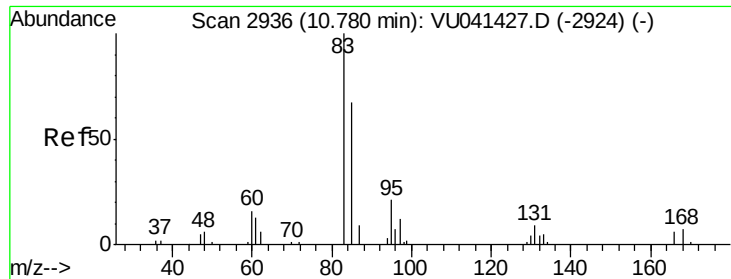
Tot Ion:106 Resp: 3088
Ion Ratio Lower Upper
106 100
91 202.7 159.3 295.9



#55
Styrene
Concen: 0.457 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041425.D
Acq: 25 Nov 2020 11:43

Tgt Ion:104 Resp: 5351
Ion Ratio Lower Upper
104 100
78 55.1 36.4 67.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.478 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

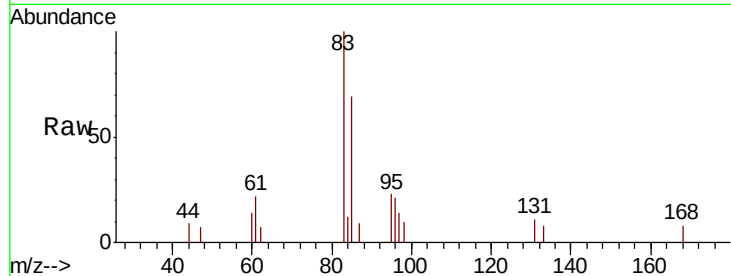
Tot Ion: 83 Resp: 2263

Ion	Ratio	Lower	Upper
83	100		
85	69.1	47.2	87.6
131	10.8	8.3	12.5

83 100

85 69.1 47.2 87.6

131 10.8 8.3 12.5

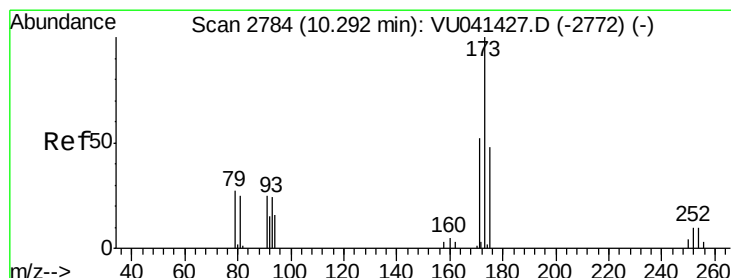
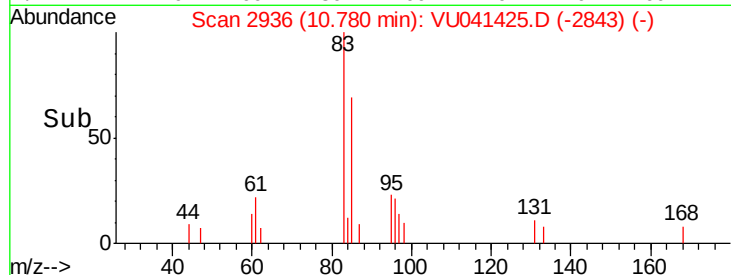
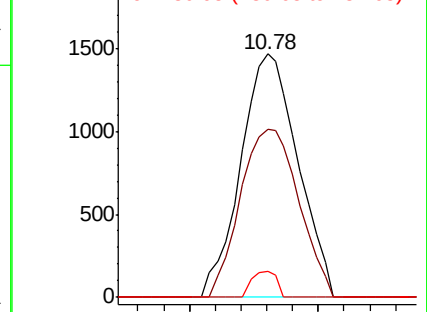


Abundance

Ion 82.95 (82.65 to 83.65): VU041425.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU041425.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU041425.D (-2924) (-)



#59

Bromoform

Concen: 0.416 ug/L

RT: 10.30 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

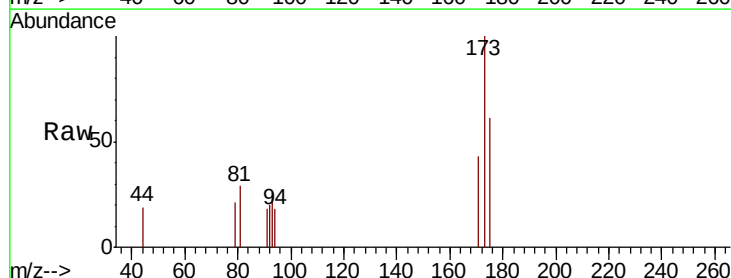
Tgt Ion: 173 Resp: 1083

Ion	Ratio	Lower	Upper
173	100		
175	54.8	39.1	58.7
254	0.0	7.2	10.8

173 100

175 54.8 39.1 58.7

254 0.0 7.2 10.8#

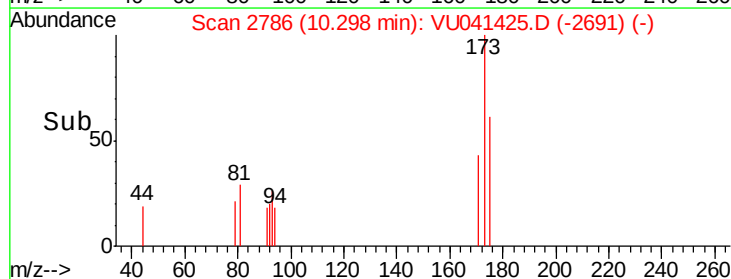
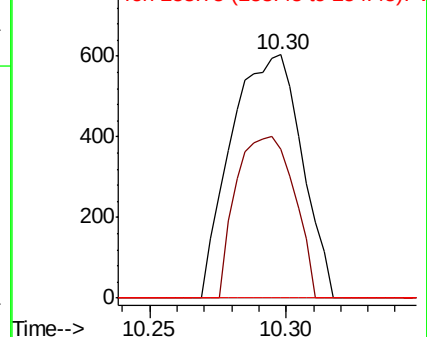


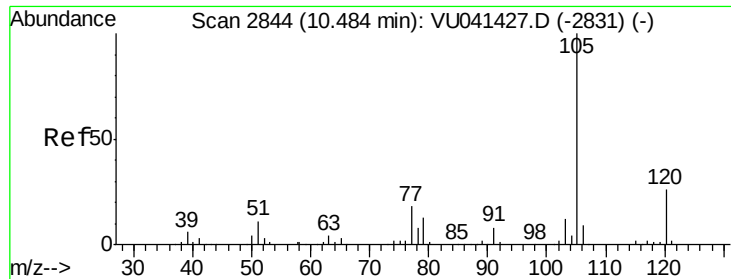
Abundance

Ion 172.90 (172.60 to 173.60): VU041425.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041425.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041425.D (-2691) (-)





#60

Isopropylbenzene

Concen: 0.446 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

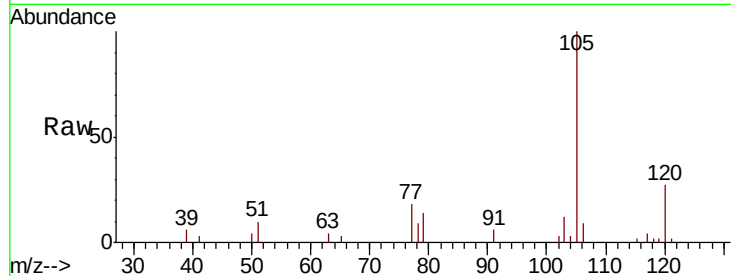
Tot Ion:105 Resp: 8576

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.4

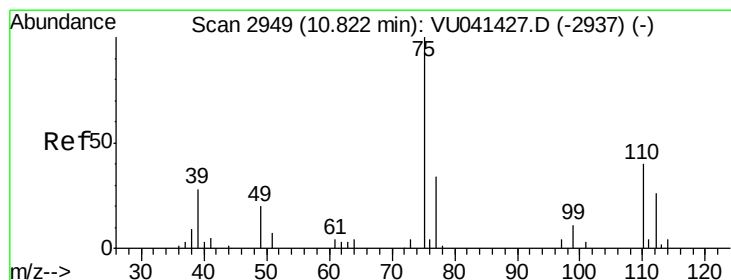
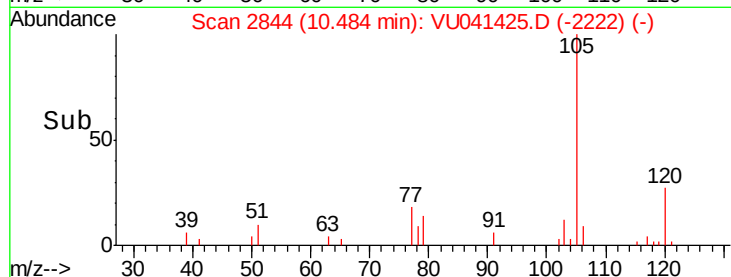
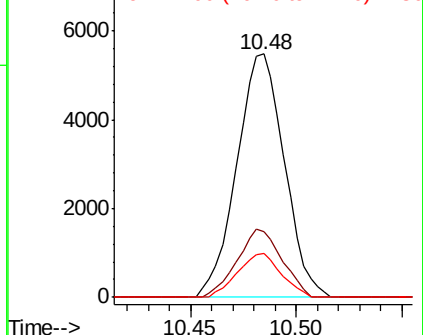
77 16.6 14.2 21.4



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: 0.479 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

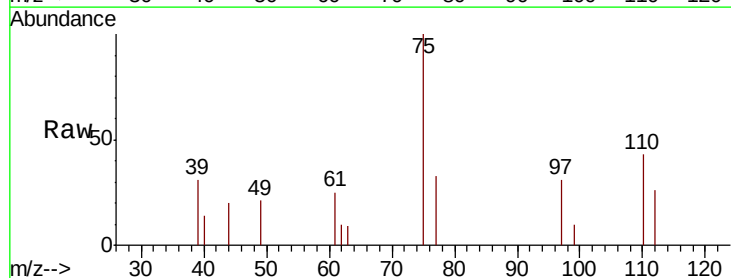
Tgt Ion: 75 Resp: 1863

Ion Ratio Lower Upper

75 100

110 39.0 31.0 46.4

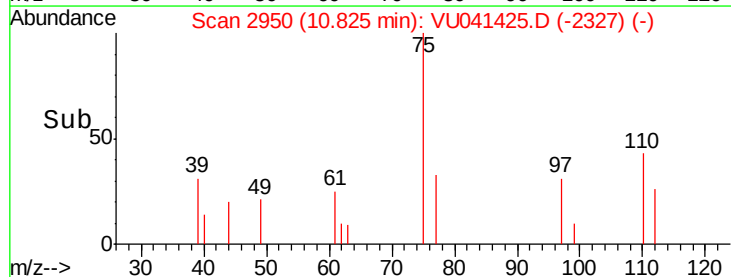
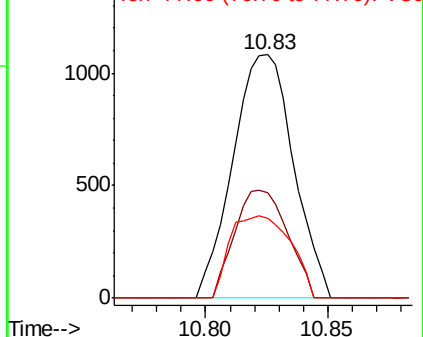
77 34.0 26.0 39.0

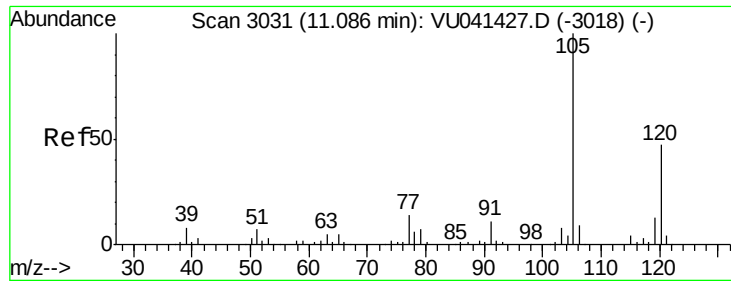


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

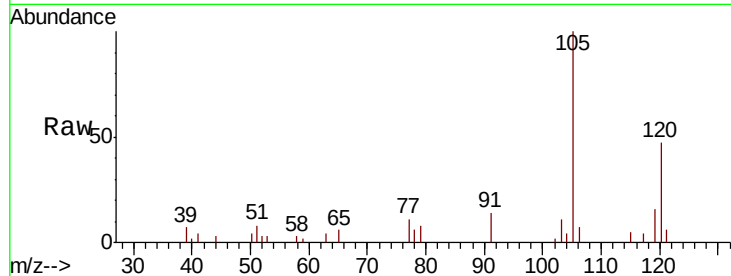




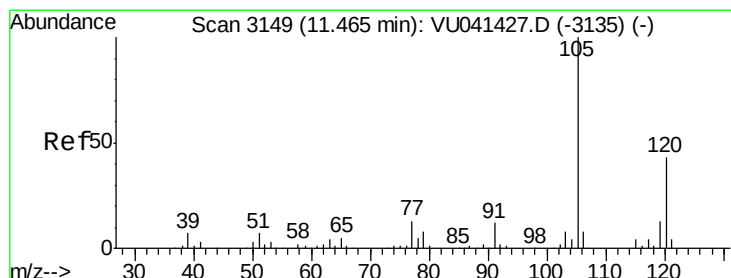
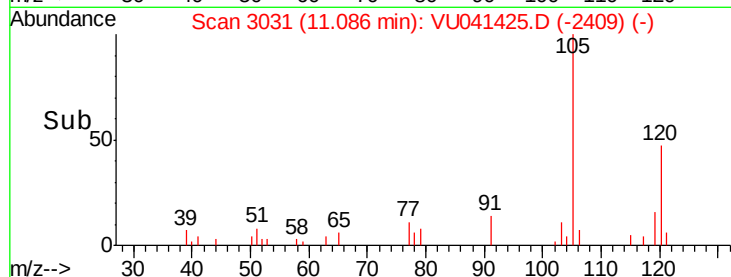
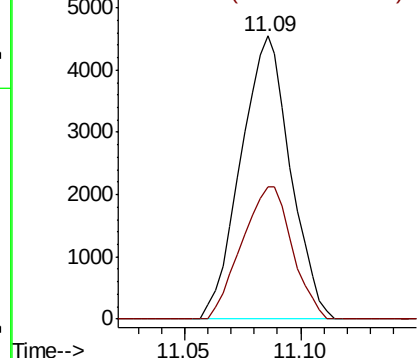
#62
 1,3,5-Trimethylbenzene
 Concen: 0.424 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:105 Resp: 6732
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.1 55.7

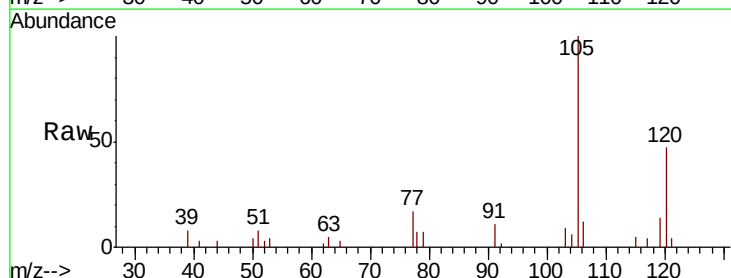


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

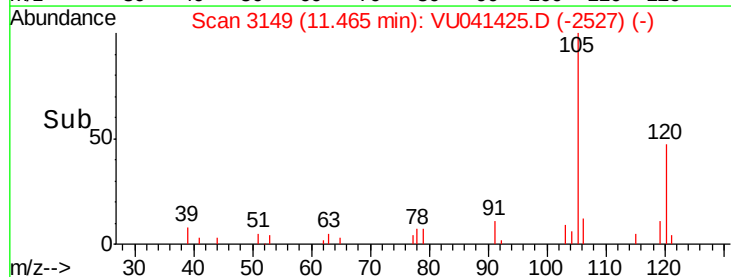
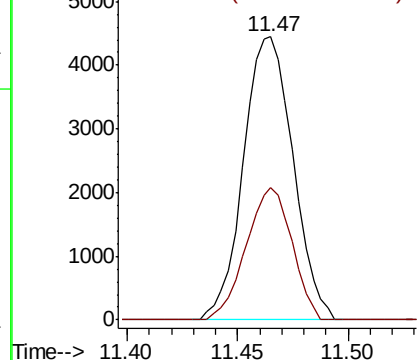


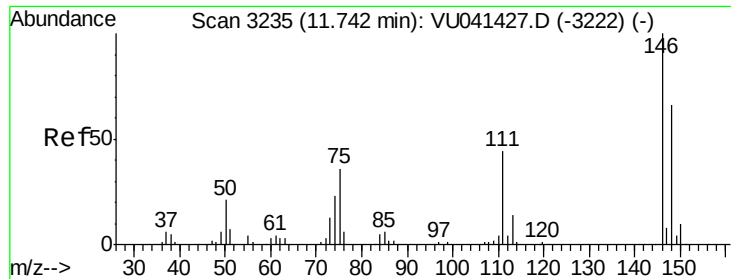
#63
 1,2,4-Trimethylbenzene
 Concen: 0.434 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion:105 Resp: 6958
 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

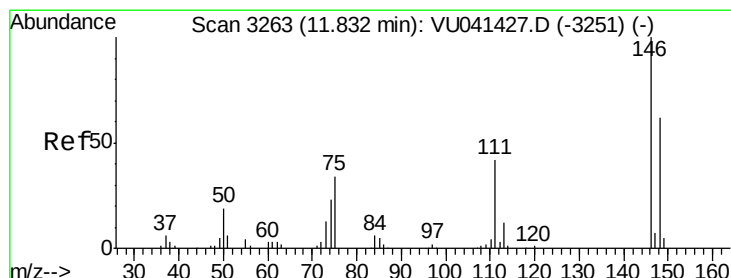
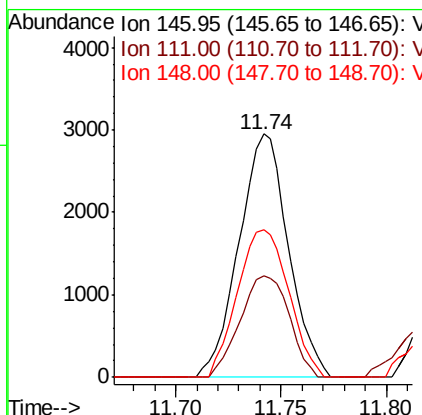
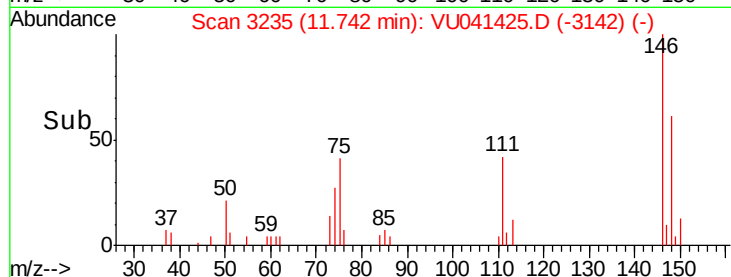
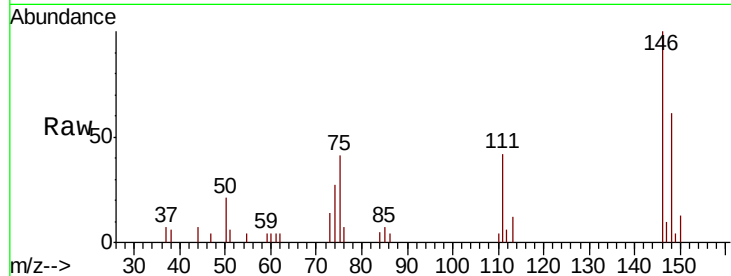




#64
 1,3-Dichlorobenzene
 Concen: 0.493 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

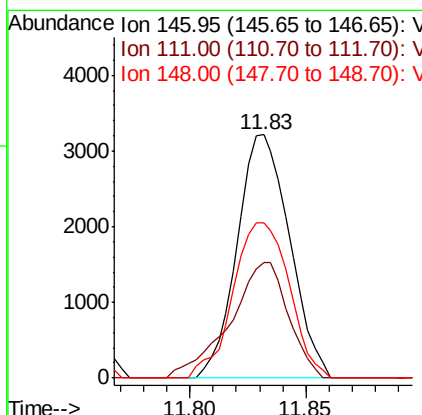
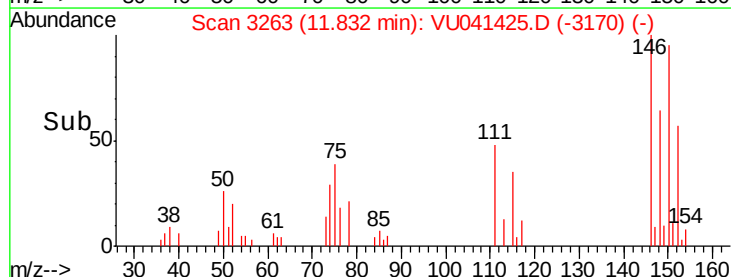
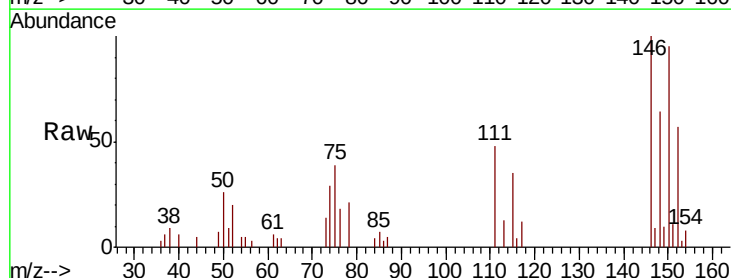
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

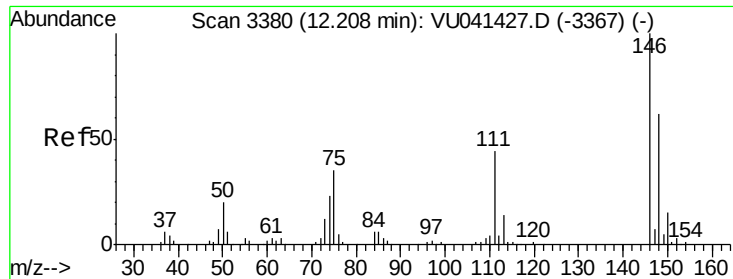
Tot Ion:146 Resp: 4812
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.4 56.5
 148 60.7 46.3 85.9



#65
 1,4-Dichlorobenzene
 Concen: 0.508 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion:146 Resp: 5052
 Ion Ratio Lower Upper
 146 100
 111 47.7 29.5 54.9
 148 63.8 43.3 80.5

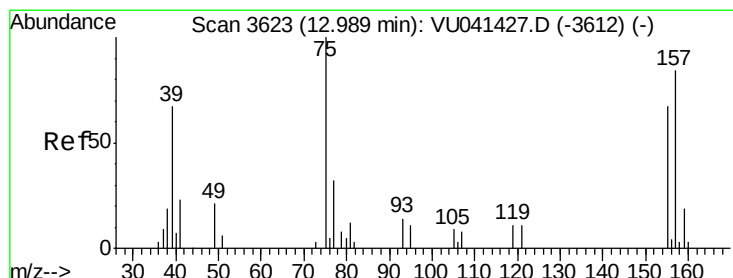
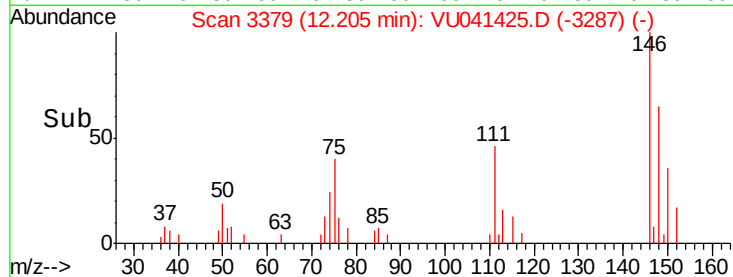
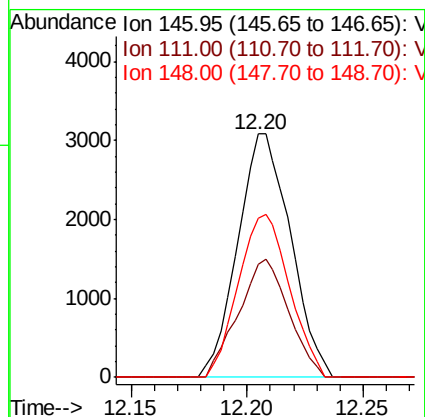
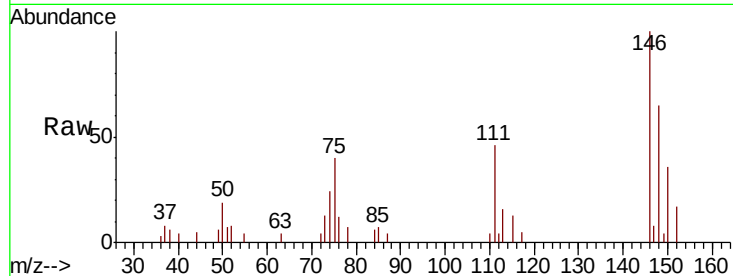




#67
 1,2-Dichlorobenzene
 Concen: 0.513 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

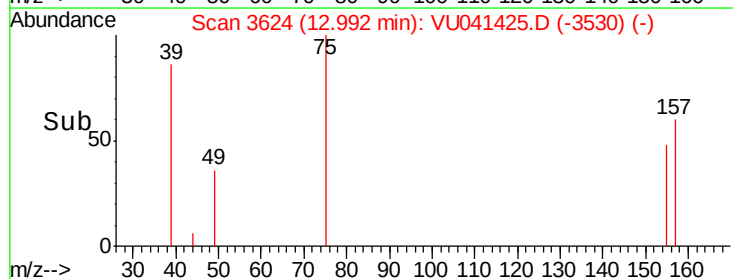
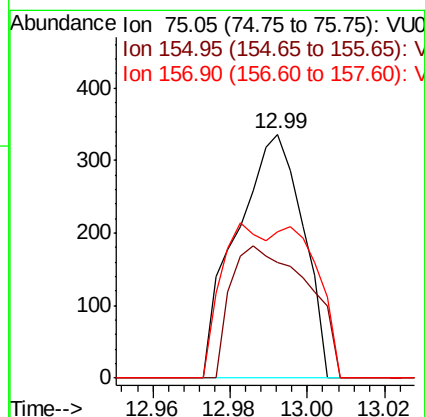
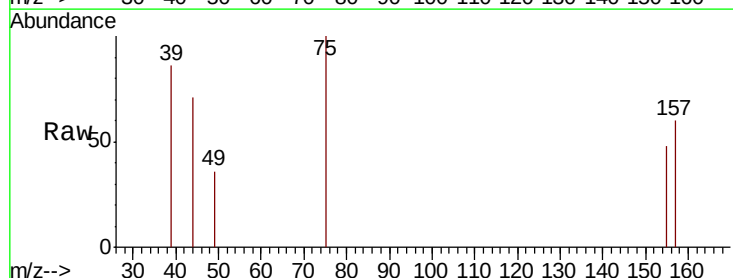
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

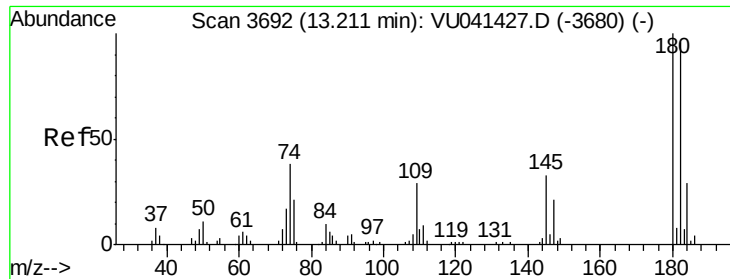
Tot Ion:146 Resp: 4870
 Ion Ratio Lower Upper
 146 100
 111 46.2 35.4 53.2
 148 65.1 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.430 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion: 75 Resp: 400
 Ion Ratio Lower Upper
 75 100
 155 47.6 53.8 80.6#
 157 59.8 67.5 101.3#

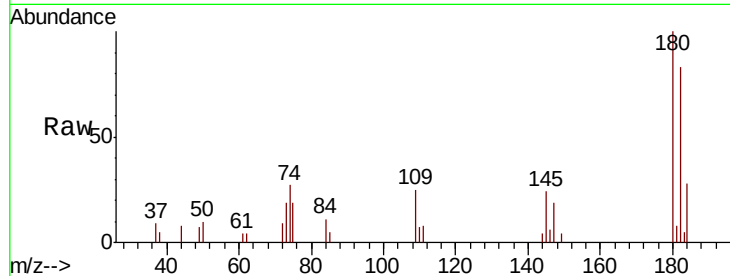




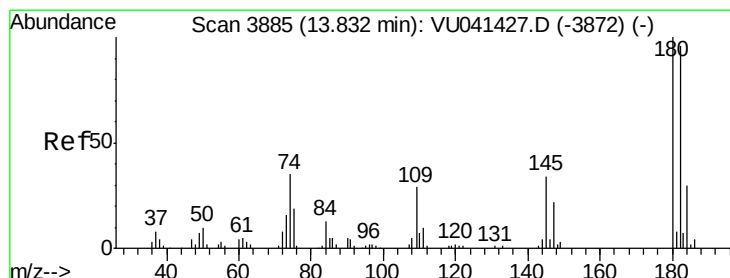
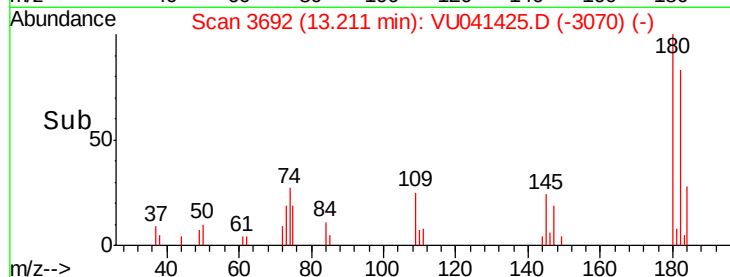
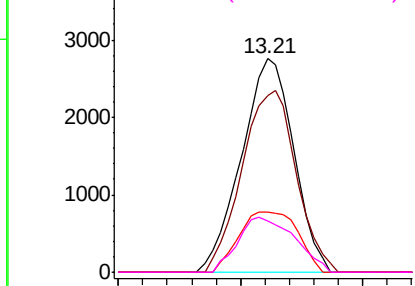
#69
 1,3,5-Trichlorobenzene
 Concen: 0.598 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5103

Tot Ion:180 Resp: 4090
 Ion Ratio Lower Upper
 180 100
 182 88.4 76.5 114.7
 184 32.1 24.2 36.2
 145 28.1 26.5 39.7

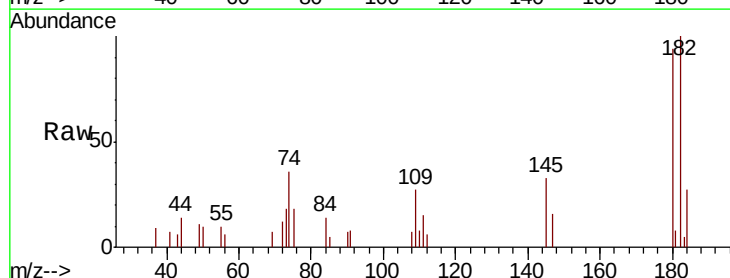


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

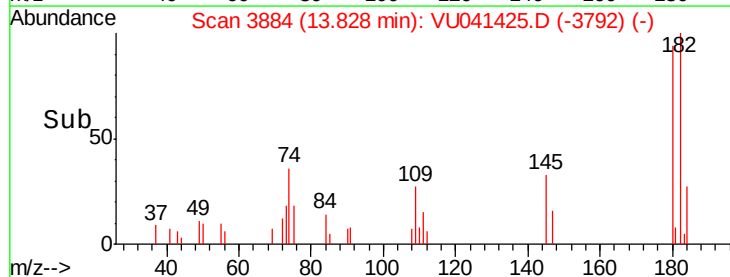
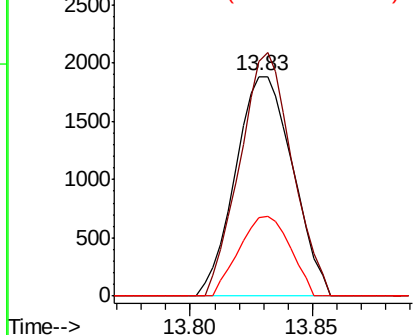


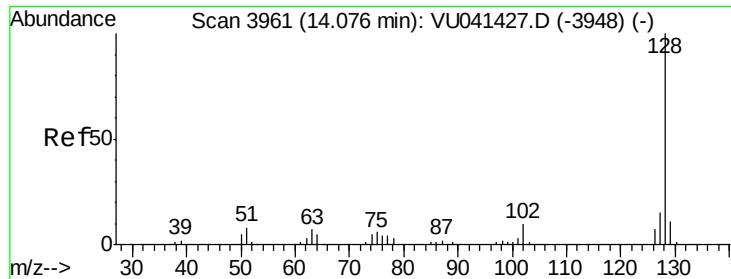
#70
 1,2,4-trichlorobenzene
 Concen: 0.532 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041425.D
 Acq: 25 Nov 2020 11:43

Tgt Ion:180 Resp: 3069
 Ion Ratio Lower Upper
 180 100
 182 100.9 76.0 114.0
 145 32.3 26.6 39.8



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: 0.506 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5103

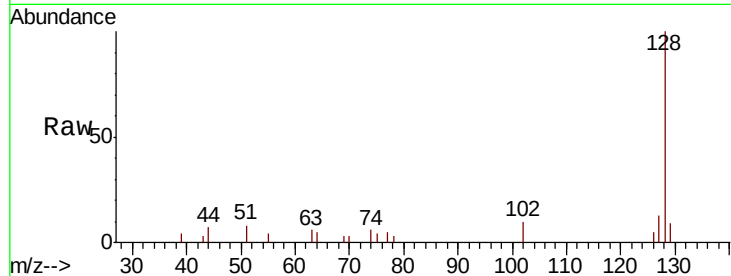
Tot Ion:128 Resp: 5141

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

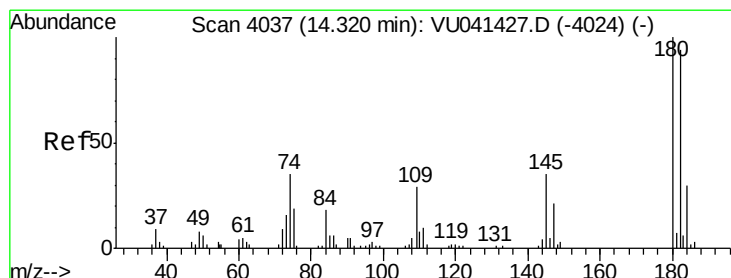
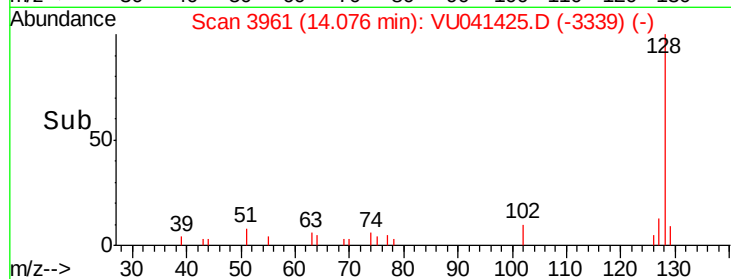
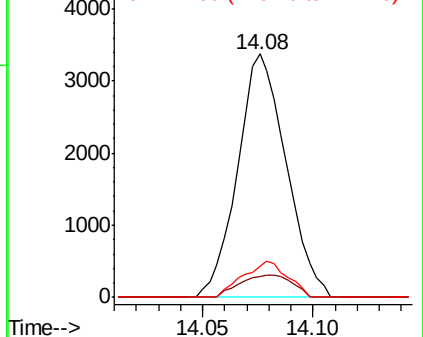
127 13.5 11.3 16.9



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: 0.589 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041425.D

Acq: 25 Nov 2020 11:43

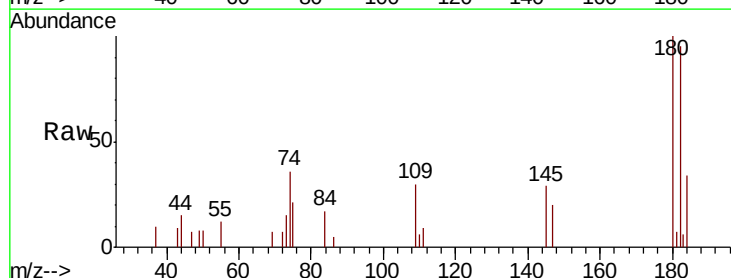
Tgt Ion:180 Resp: 3178

Ion Ratio Lower Upper

180 100

182 85.1 75.5 113.3

145 32.0 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

