

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041937.D
 Acq On : 11 Jan 2021 21:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jan 12 03:30:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127670	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115887	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60923	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49357	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.92	69	46156	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.58	63	97445	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	4.66	46	161259	53.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.86%
24) Chloroform-d	5.08	84	99222	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	52282	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	182123	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.70	67	57088	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.90	98	156536	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.18	79	23342	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.64	63	134742	59.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51679	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	57691	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61562	4.985 ug/L	97
3) Chloromethane	1.52	50	65558	4.879 ug/L	94
5) Vinyl chloride	1.61	62	71421	4.897 ug/L	97
6) Bromomethane	1.86	94	42730	4.845 ug/L	97
8) Chloroethane	1.94	64	43206	4.850 ug/L	94
9) Trichlorofluoromethane	2.15	101	93569	4.972 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52160	5.094 ug/L	98
12) 1,1-Dichloroethene	2.59	96	51125	5.129 ug/L	82
13) Acetone	2.67	43	101060	52.035 ug/L #	53
14) Carbon disulfide	2.80	76	160275	5.153 ug/L	99
15) Methyl Acetate	2.97	43	25630	5.808 ug/L	99
16) Methylene chloride	3.06	84	73851	5.895 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	124393	5.204 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	46903	4.847 ug/L	97
19) 1,1-Dichloroethane	3.89	63	88752	4.887 ug/L	99
21) 2-Butanone	4.74	43	161753	53.672 ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	50788	4.915 ug/L	98

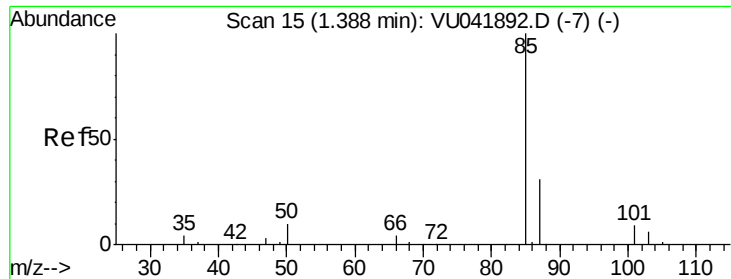
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041937.D
 Acq On : 11 Jan 2021 21:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jan 12 03:30:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	24878	5.159	ug/L	85
25) Chloroform	5.11	83	100355	5.301	ug/L	100
27) 1,2-Dichloroethane	5.81	62	63640	5.245	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	79982	5.289	ug/L	99
30) Cyclohexane	5.40	56	77467	5.467	ug/L	98
31) Carbon tetrachloride	5.54	117	71244	5.451	ug/L	97
33) Benzene	5.79	78	204021	5.462	ug/L	100
34) Trichloroethene	6.55	95	52824	5.388	ug/L	99
35) Methylcyclohexane	6.77	83	78280	5.432	ug/L	97
37) 1,2-Dichloropropane	6.80	63	50370	5.408	ug/L	100
38) Bromodichloromethane	7.11	83	65622	5.265	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	71387	5.191	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	346961	58.676	ug/L	99
42) Toluene	7.97	91	208626	5.406	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	66739	5.486	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	39205	5.490	ug/L	98
47) Tetrachloroethene	8.56	164	36726	5.383	ug/L	99
48) 2-Hexanone	8.69	43	259301	59.488	ug/L	98
49) Dibromochloromethane	8.81	129	46463	5.346	ug/L	99
50) 1,2-Dibromoethane	8.93	107	37949	5.637	ug/L	97
51) Chlorobenzene	9.45	112	129647	5.337	ug/L	99
52) Ethylbenzene	9.57	91	216245	5.320	ug/L	100
53) m,p-Xylene	9.69	106	81727	5.431	ug/L	99
54) o-Xylene	10.10	106	79244	5.449	ug/L	93
55) Styrene	10.11	104	140273	5.549	ug/L	98
56) Isopropylbenzene	10.48	105	209703	5.370	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	51985	5.571	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	37986	5.584	ug/L	99
61) Bromoform	10.29	173	27461	5.321	ug/L	94
62) 1,3-Dichlorobenzene	11.74	146	99619	5.153	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	97363	5.018	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	97733	5.252	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9299	5.503	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	70542	4.998	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	54451	5.119	ug/L	99
69) Naphthalene	14.07	128	99673	5.525	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	53781	5.348	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.985 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

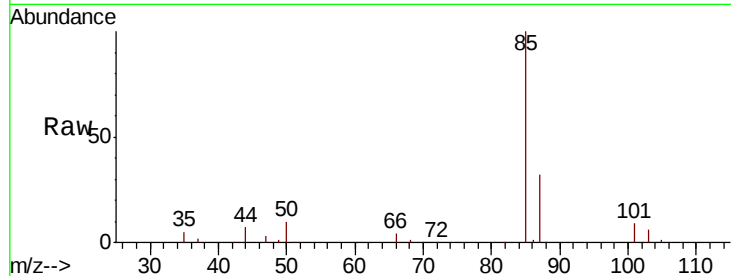
VSTD00514

Tot Ion: 85 Resp: 61562

Ion Ratio Lower Upper

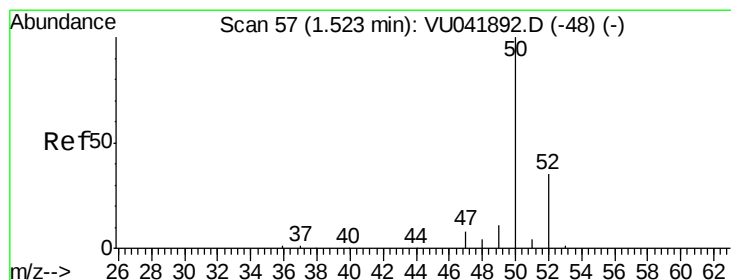
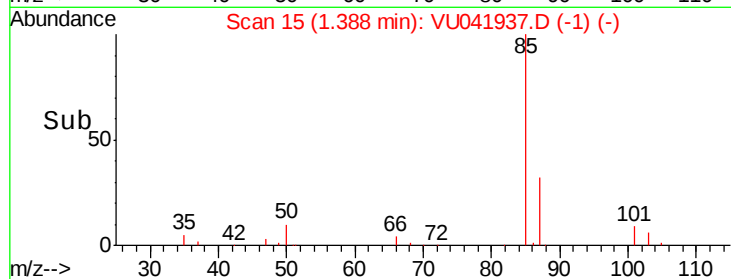
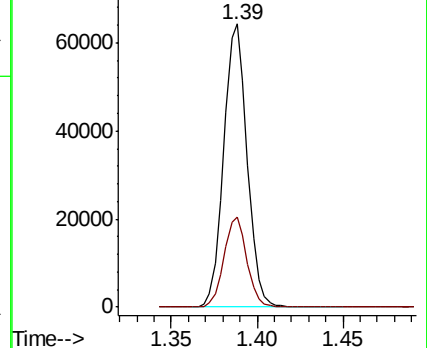
85 100

87 31.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041892.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041892.D (-7) (-)



#3

Chloromethane

Concen: 4.879 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041937.D

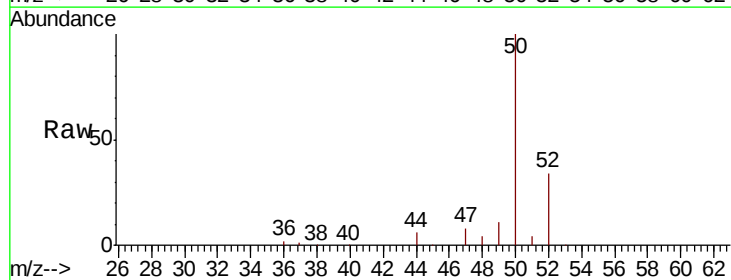
Acq: 11 Jan 2021 21:51

Tgt Ion: 50 Resp: 65558

Ion Ratio Lower Upper

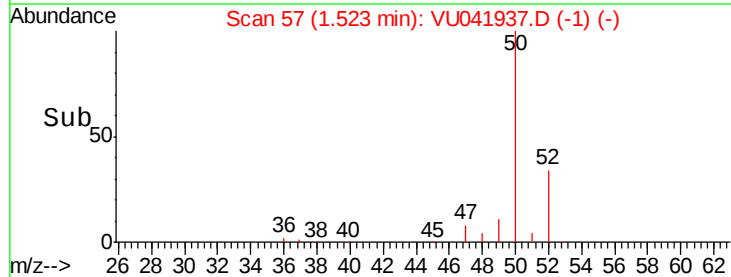
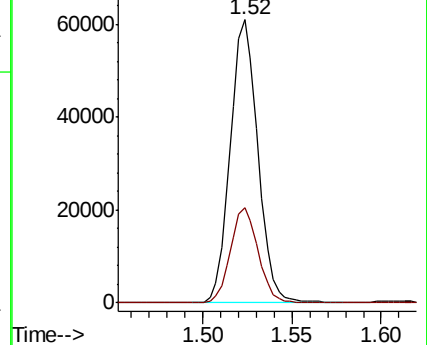
50 100

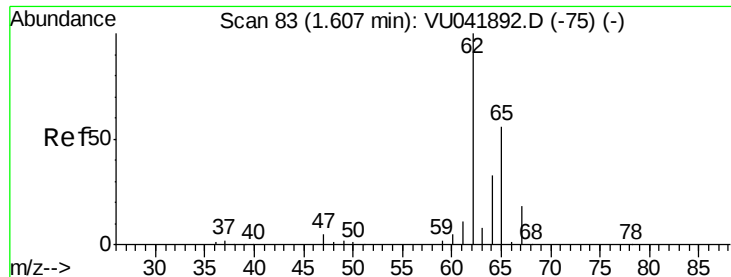
52 33.7 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041892.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041892.D (-48) (-)





#5

Vinyl chloride

Concen: 4.897 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

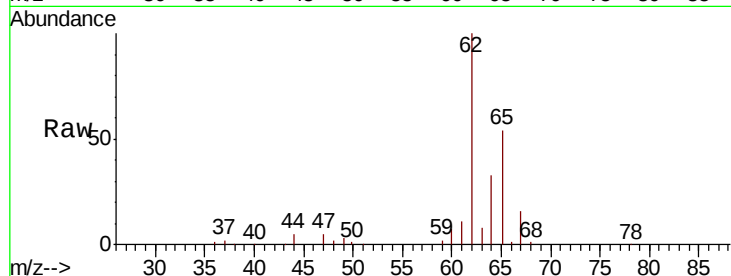
VSTD00514

Tot Ion: 62 Resp: 71421

Ion Ratio Lower Upper

62 100

64 33.3 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU041892.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041892.D (-75) (-)

1.61

60000

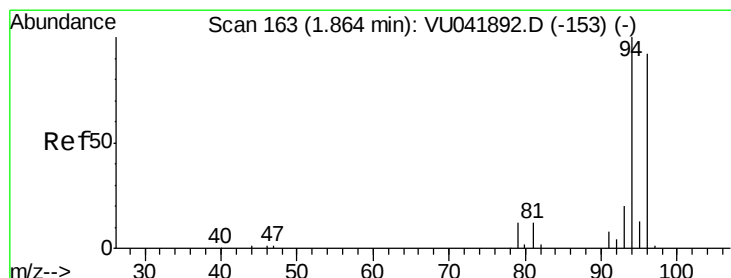
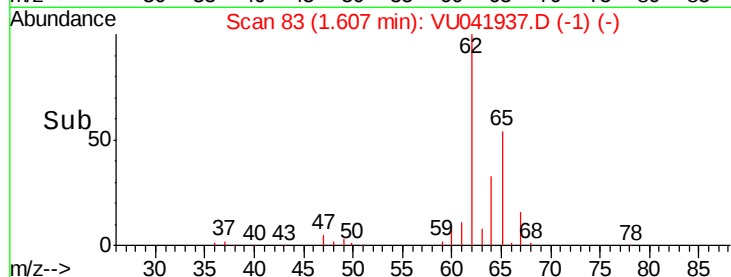
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.845 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041937.D

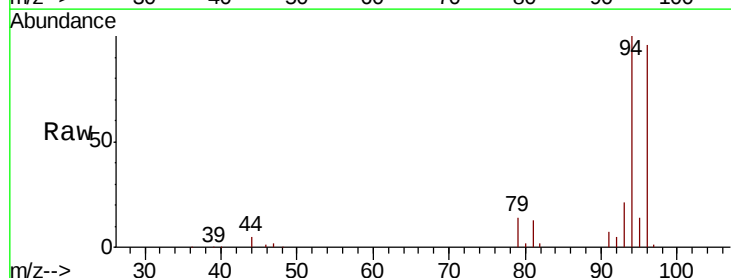
Acq: 11 Jan 2021 21:51

Tgt Ion: 94 Resp: 42730

Ion Ratio Lower Upper

94 100

96 96.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU041892.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041892.D (-153) (-)

1.86

40000

30000

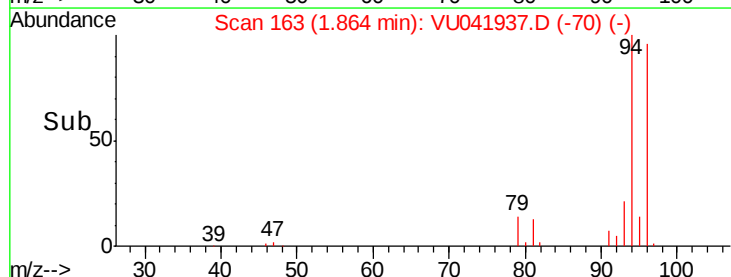
20000

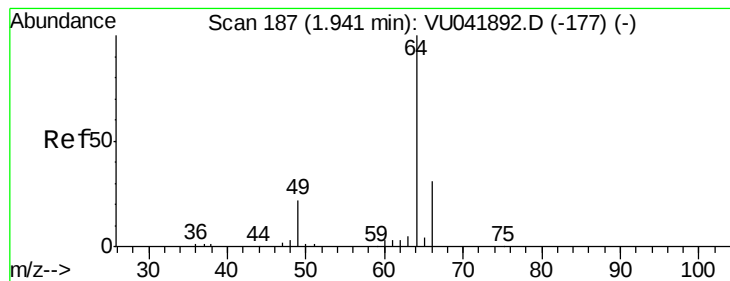
10000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.850 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

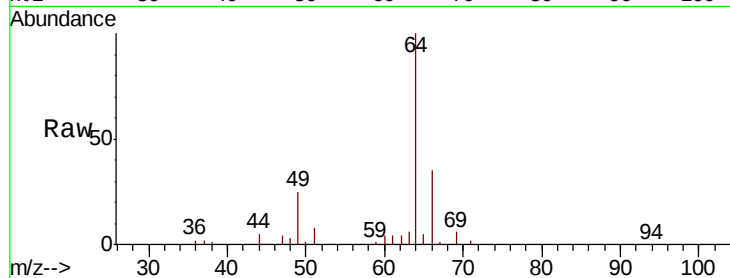
VSTD00514

Tot Ion: 64 Resp: 43206

Ion Ratio Lower Upper

64 100

66 35.0 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU041892.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041892.D (-177) (-)

1.94

30000

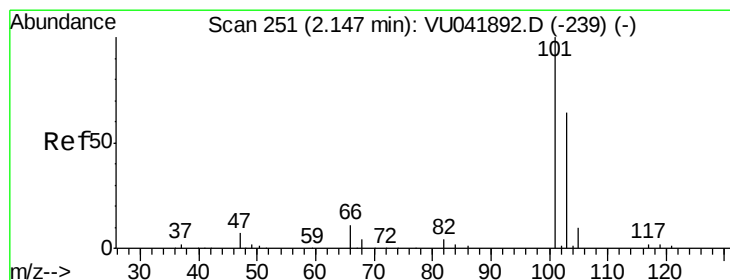
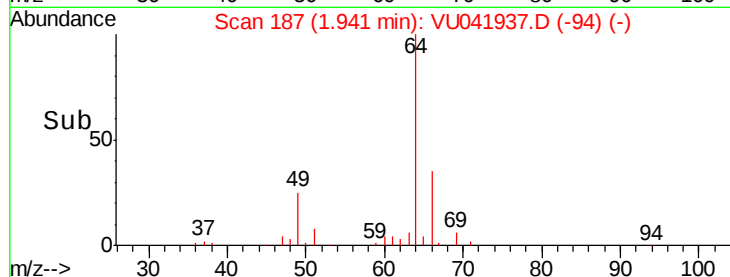
20000

10000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.972 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041937.D

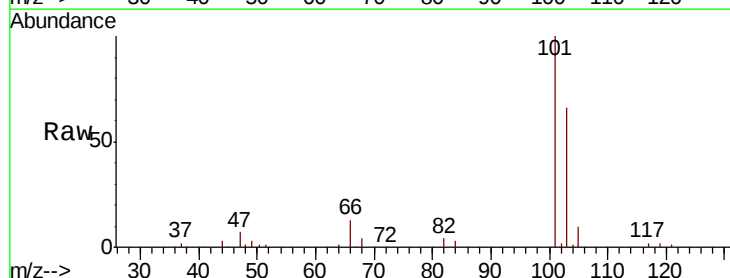
Acq: 11 Jan 2021 21:51

Tgt Ion:101 Resp: 93569

Ion Ratio Lower Upper

101 100

103 65.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041892.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041892.D (-239) (-)

2.15

60000

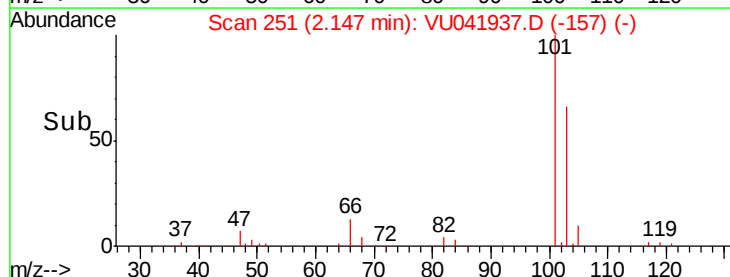
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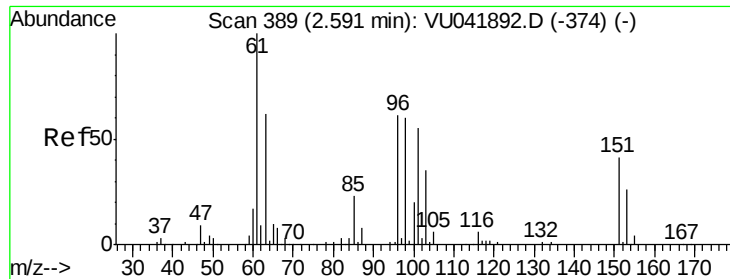
20000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 5.094 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

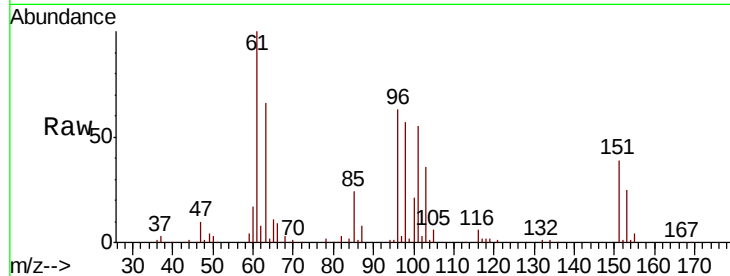
Tot Ion:101 Resp: 52160

Ion Ratio Lower Upper

101 100

85 42.6 35.1 52.7

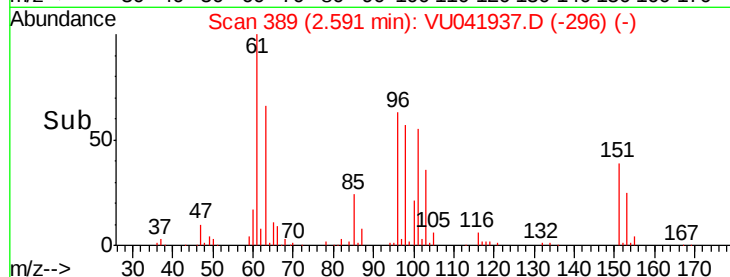
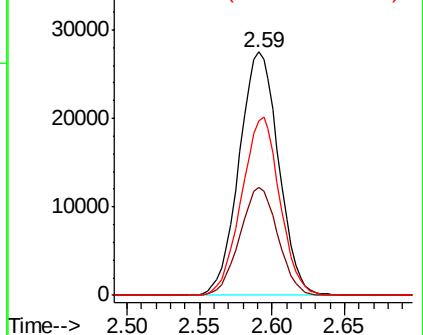
151 71.0 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.129 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

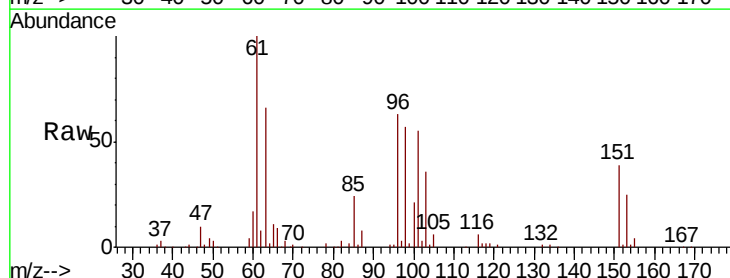
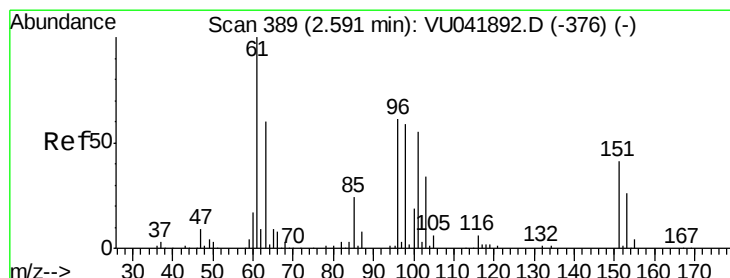
Tgt Ion: 96 Resp: 51125

Ion Ratio Lower Upper

96 100

61 158.3 123.5 229.4

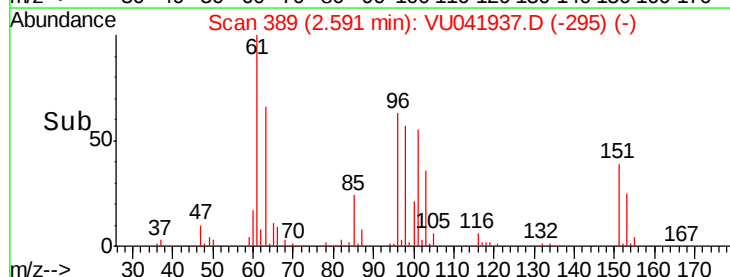
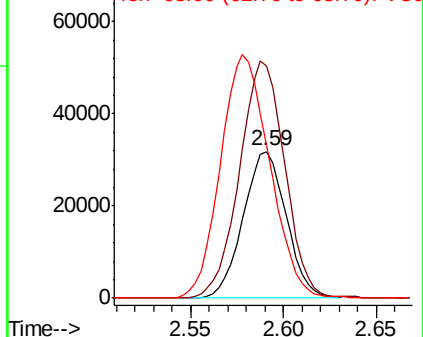
63 104.2 93.5 173.7

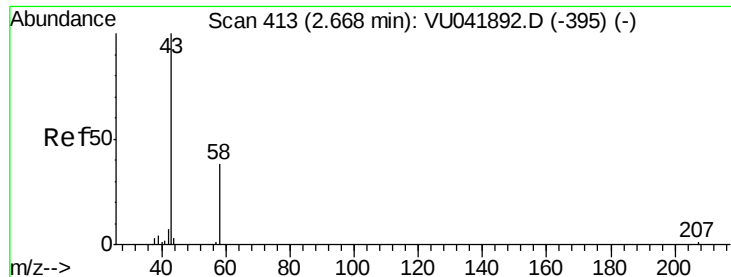


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.035 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

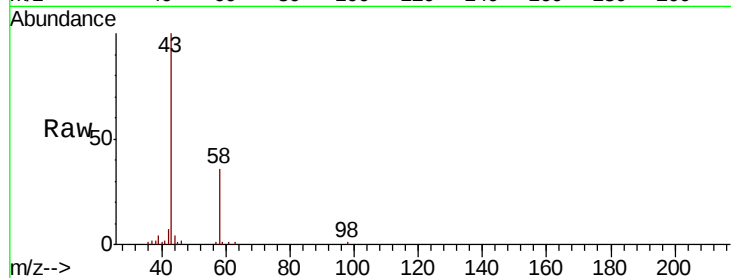
VSTD00514

Tot Ion: 43 Resp: 101060

Ion Ratio Lower Upper

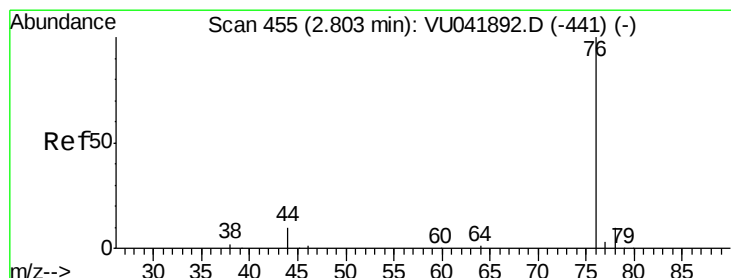
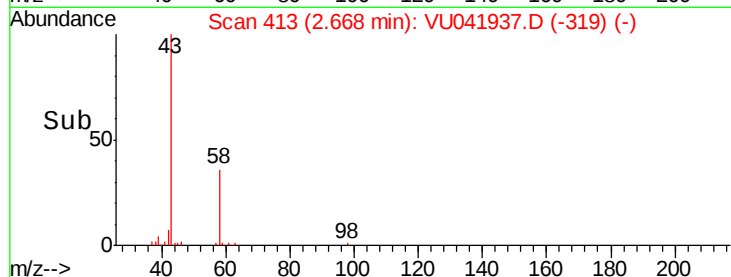
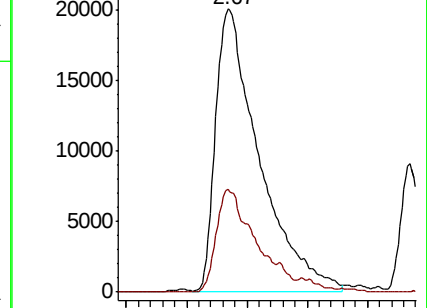
43 100

58 29.9 0.0 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041892.D (-395) (-)



#14

Carbon disulfide

Concen: 5.153 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041937.D

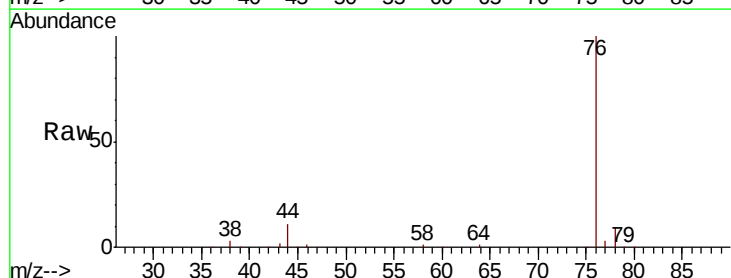
Acq: 11 Jan 2021 21:51

Tgt Ion: 76 Resp: 160275

Ion Ratio Lower Upper

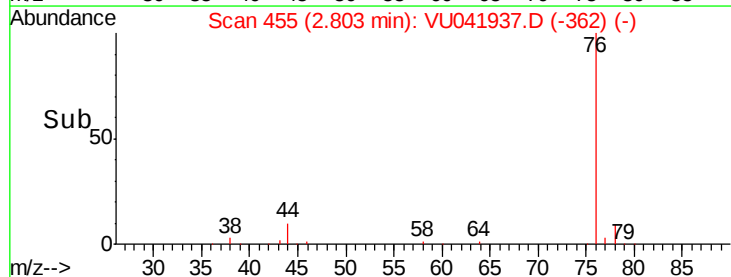
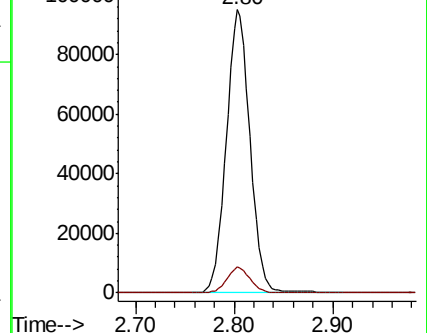
76 100

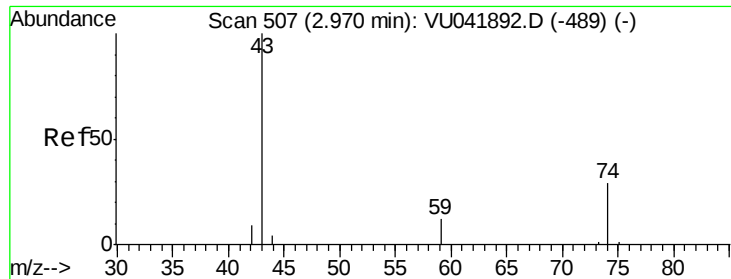
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU041892.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041892.D (-441) (-)

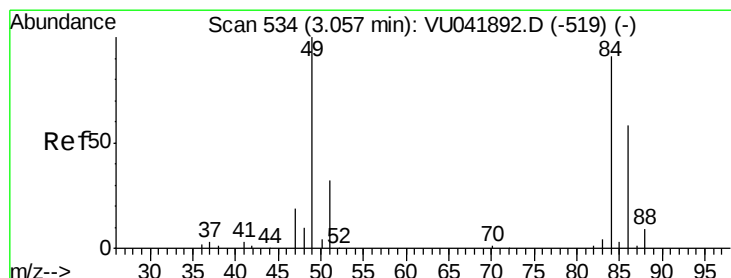
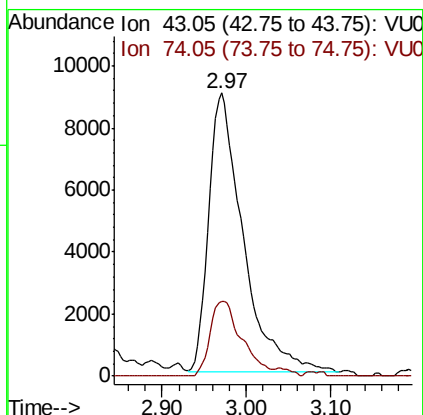
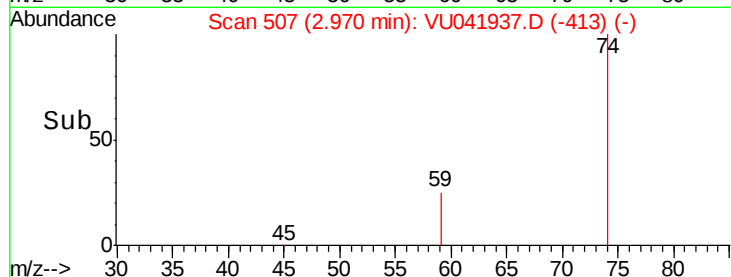
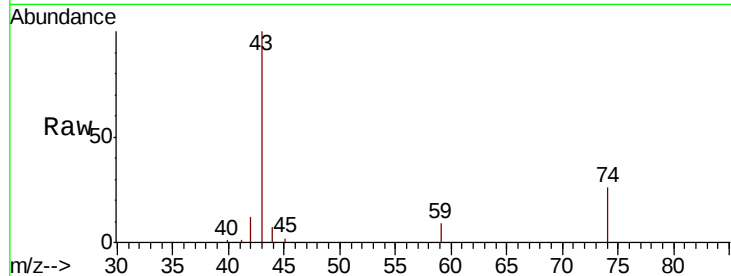




#15
Methyl Acetate
Concen: 5.808 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

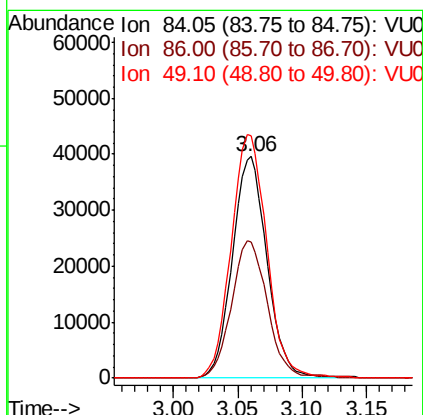
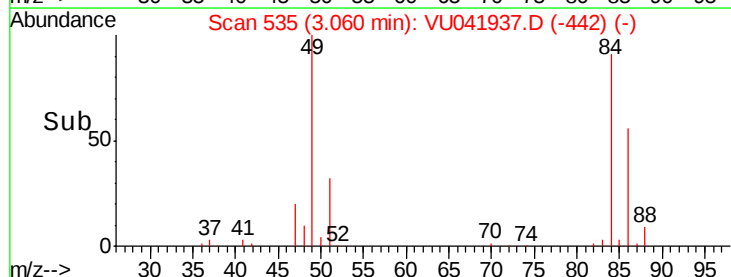
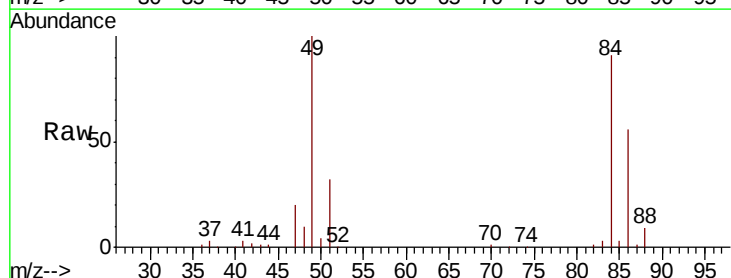
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

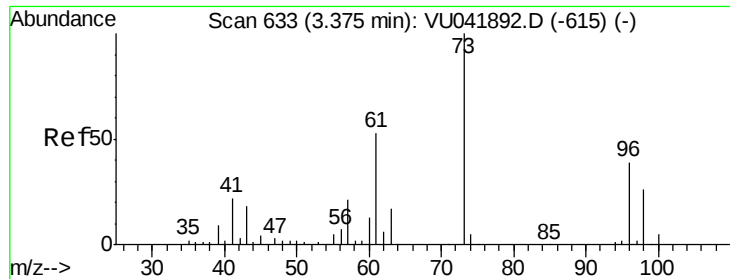
Tot Ion: 43 Resp: 25630
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8



#16
Methylene chloride
Concen: 5.895 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Tgt Ion: 84 Resp: 73851
Ion Ratio Lower Upper
84 100
86 61.2 43.5 80.7
49 109.3 81.8 151.8

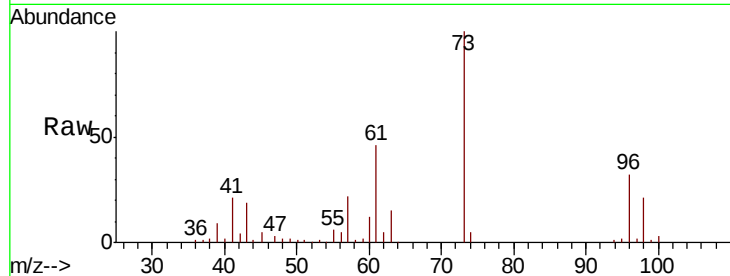




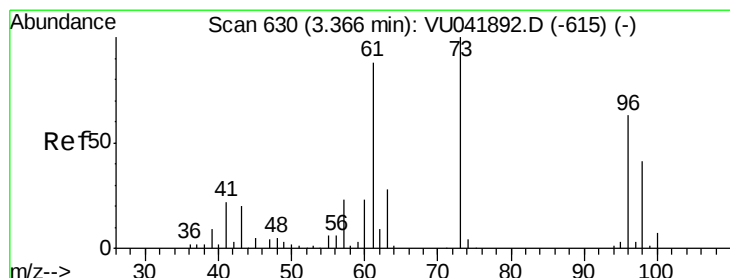
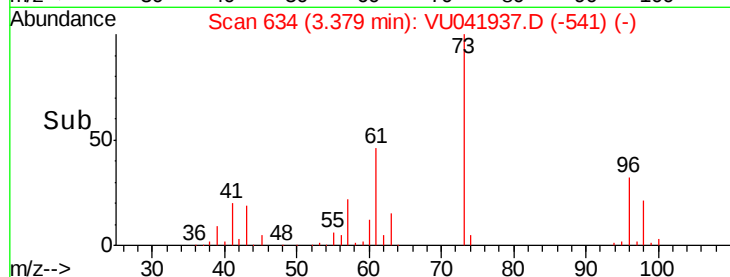
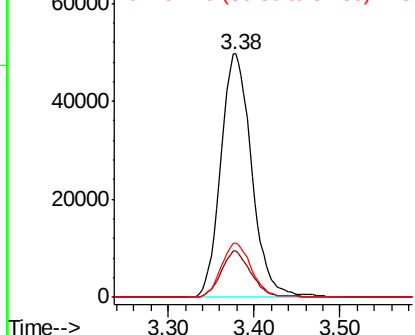
#17
Methvl tert-butvl Ether
Concen: 5.204 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 73 Resp: 124393
Ion Ratio Lower Upper
73 100
43 18.2 15.8 23.8
57 21.9 18.3 27.5

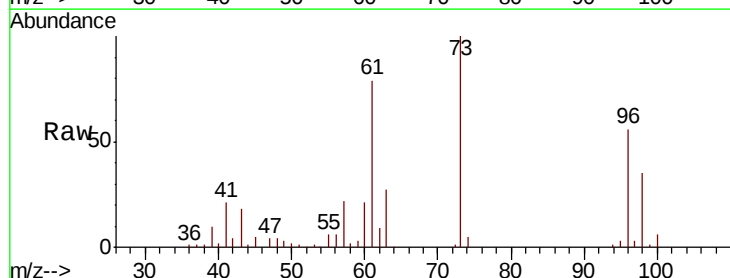


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

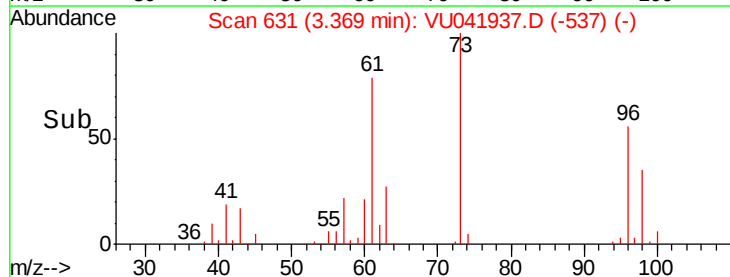
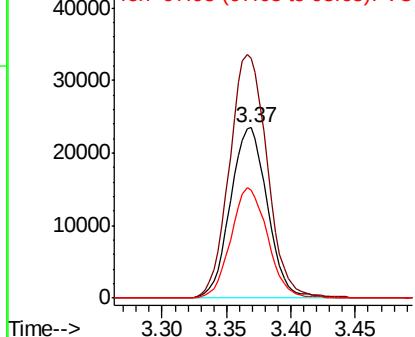


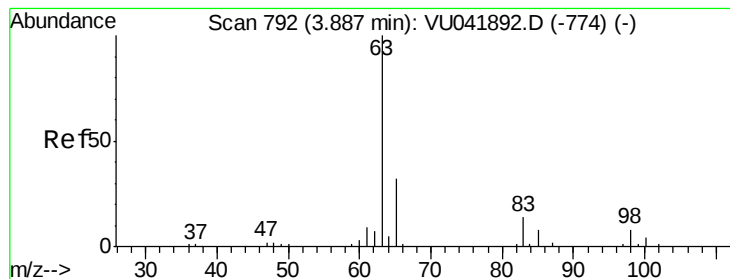
#18
trans-1,2-Dichloroethene
Concen: 4.847 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Tgt Ion: 96 Resp: 46903
Ion Ratio Lower Upper
96 100
61 140.6 100.7 187.1
98 63.5 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 4.887 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

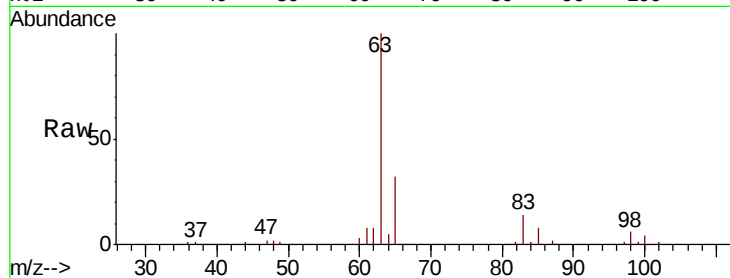
Tot Ion: 63 Resp: 88752

Ion Ratio Lower Upper

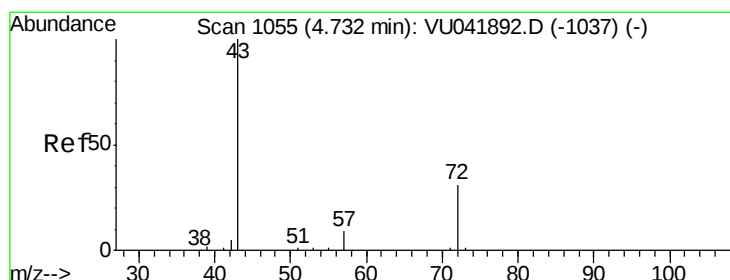
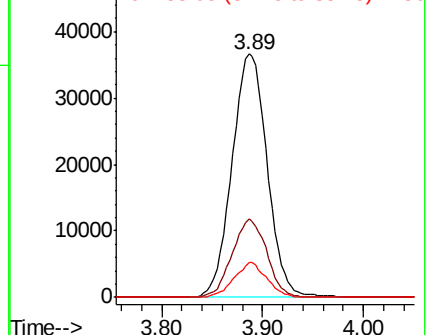
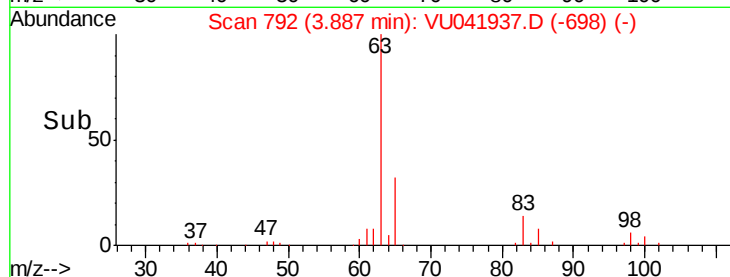
63 100

65 32.0 22.3 41.5

83 14.1 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041937.D (-698) (-)



#21

2-Butanone

Concen: 53.672 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041937.D

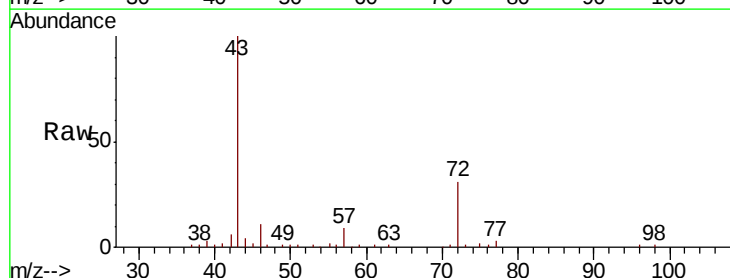
Acq: 11 Jan 2021 21:51

Tgt Ion: 43 Resp: 161753

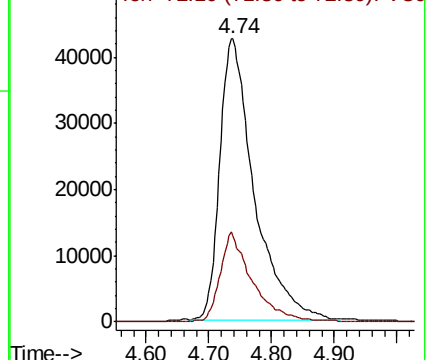
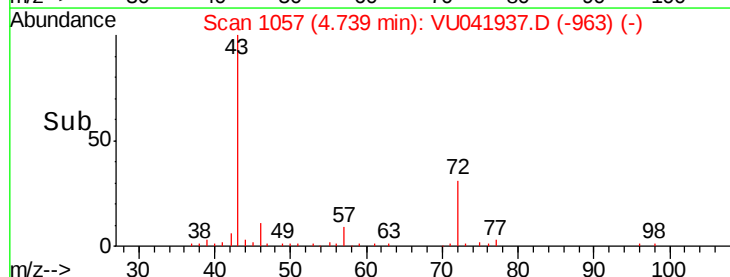
Ion Ratio Lower Upper

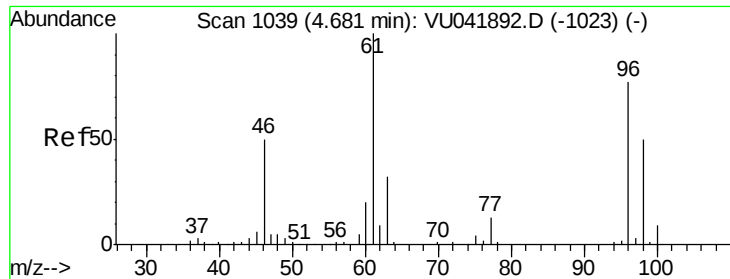
43 100

72 29.7 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-963) (-)

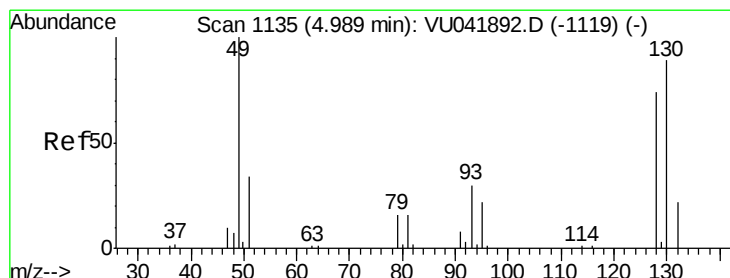
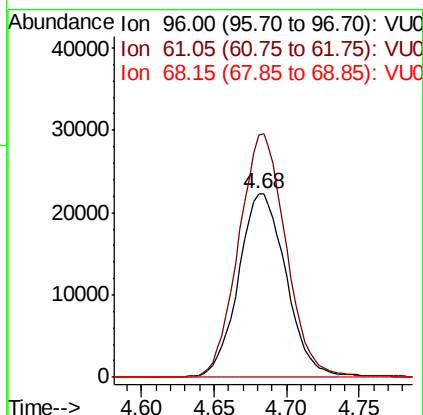
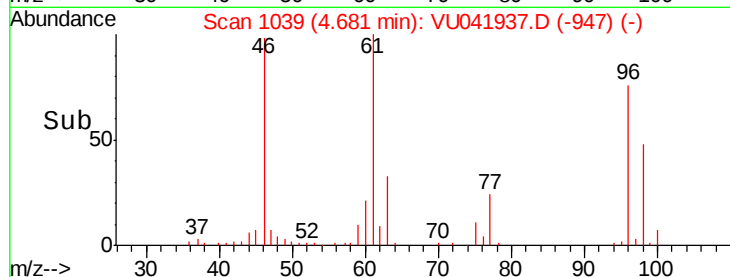
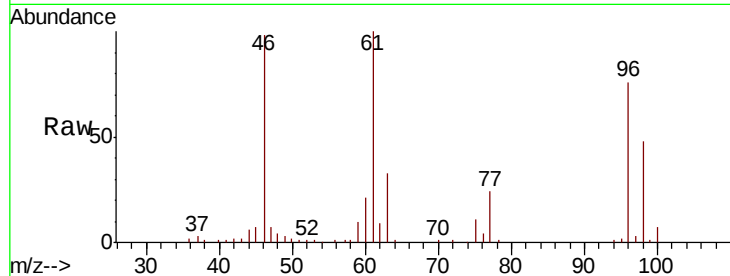




#22
 cis-1,2-Dichloroethene
 Concen: 4.915 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

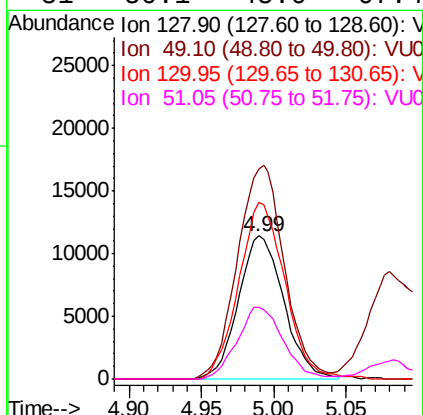
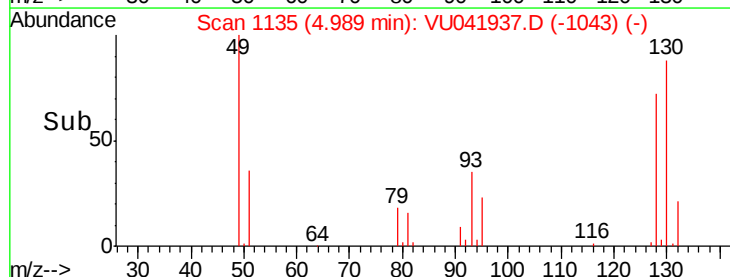
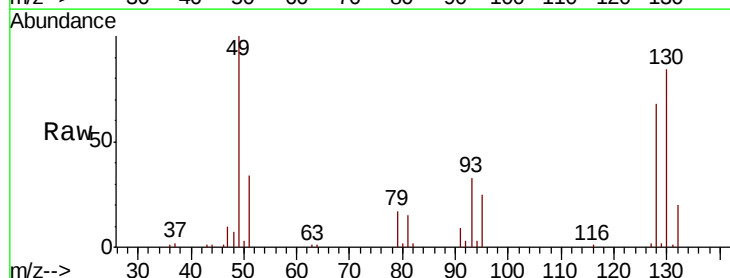
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

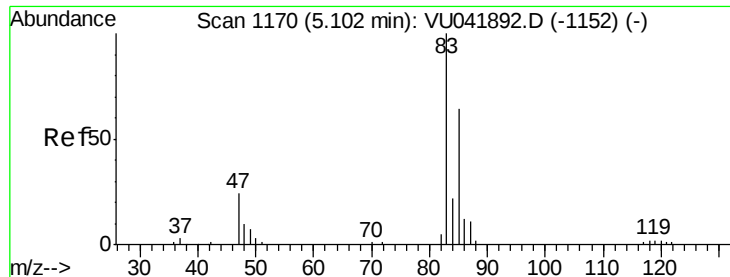
Tot Ion: 96 Resp: 50788
 Ion Ratio Lower Upper
 96 100
 61 131.9 90.3 167.7
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.159 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion: 128 Resp: 24878
 Ion Ratio Lower Upper
 128 100
 49 146.5 124.0 230.4
 130 123.4 94.0 174.6
 51 50.1 45.0 67.4

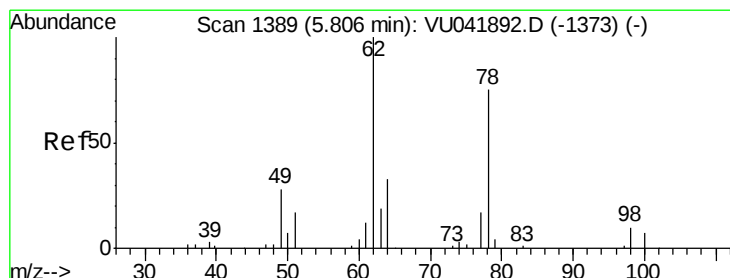
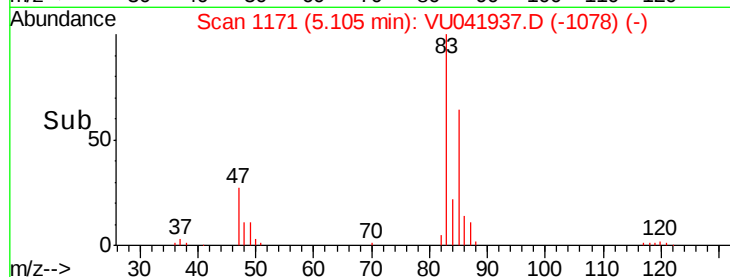
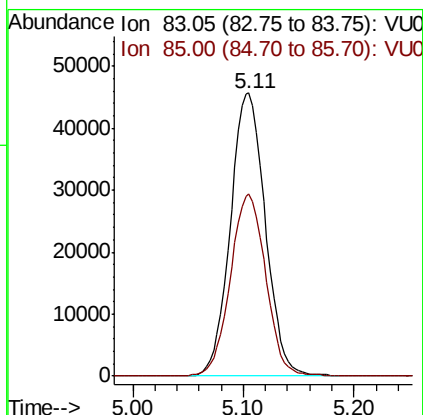
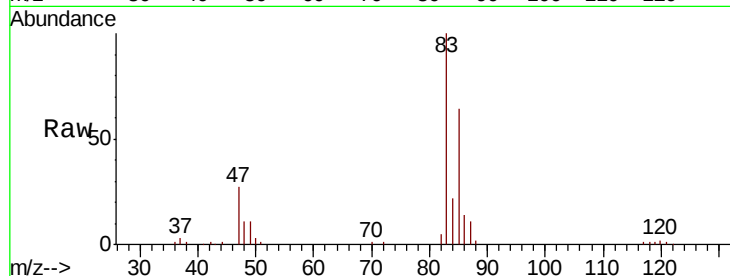




#25
Chloroform
Concen: 5.301 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

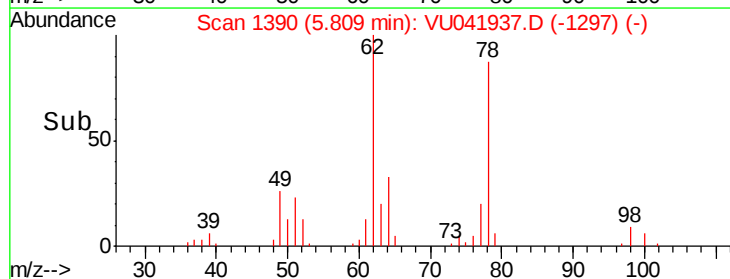
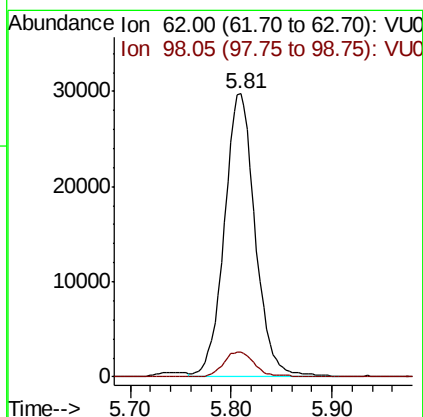
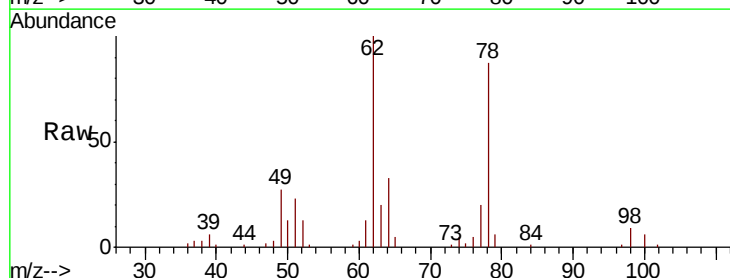
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

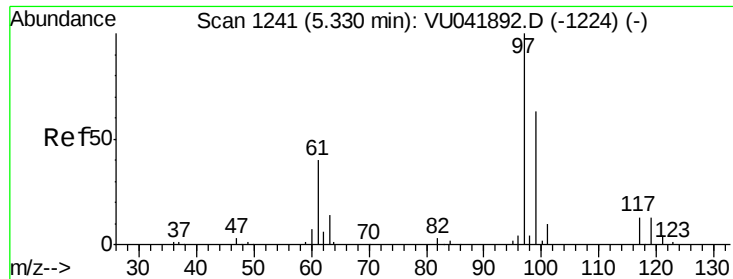
Tot Ion: 83 Resp: 100355
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.245 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Tgt Ion: 62 Resp: 63640
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.8

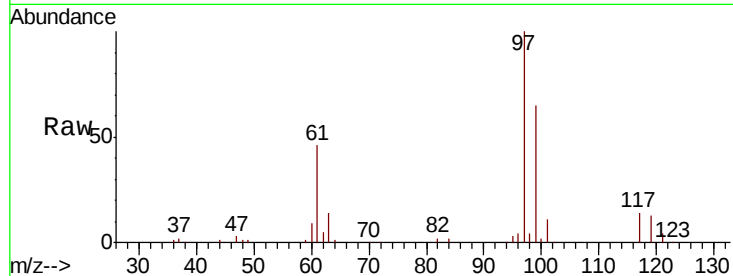




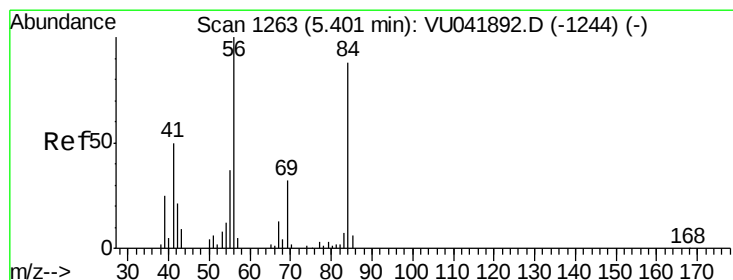
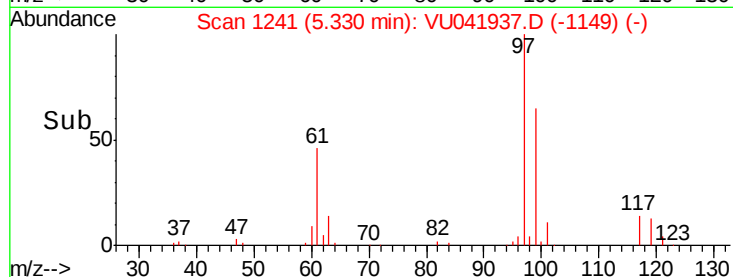
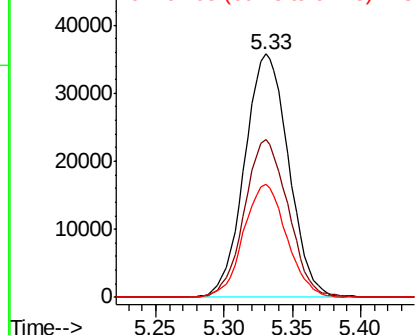
#29
 1,1,1-Trichloroethane
 Concen: 5.289 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 97 Resp: 79982
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.2
 61 45.6 35.3 52.9

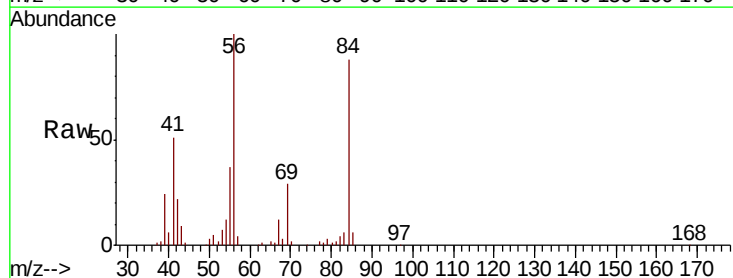


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

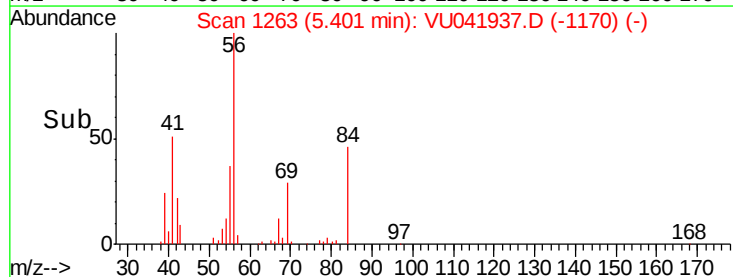
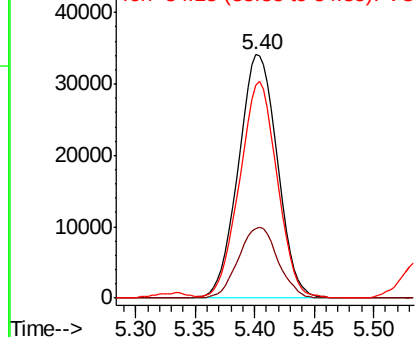


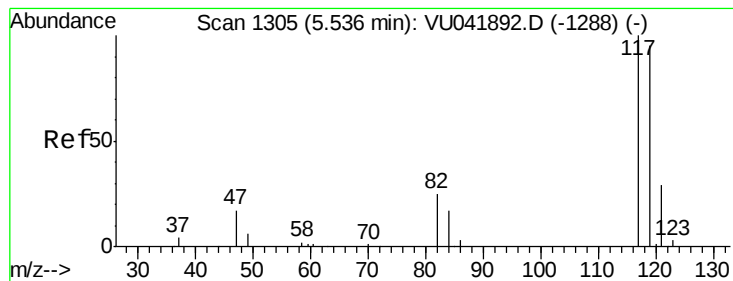
#30
 Cyclohexane
 Concen: 5.467 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion: 56 Resp: 77467
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.4 36.6
 84 85.9 69.8 104.6



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: 5.451 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

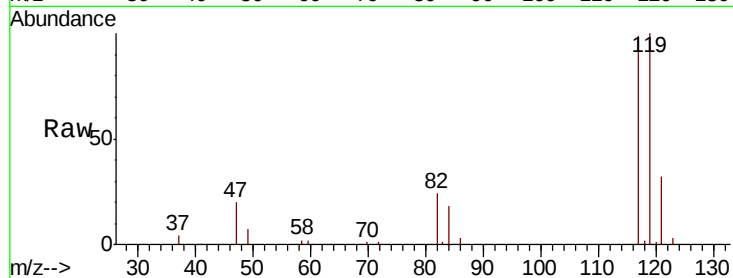
VSTD00514

Tot Ion:117 Resp: 71244

Ion Ratio Lower Upper

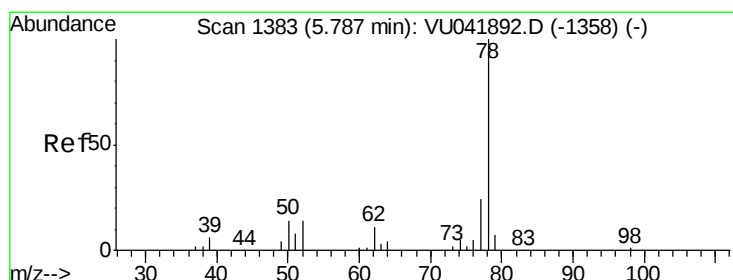
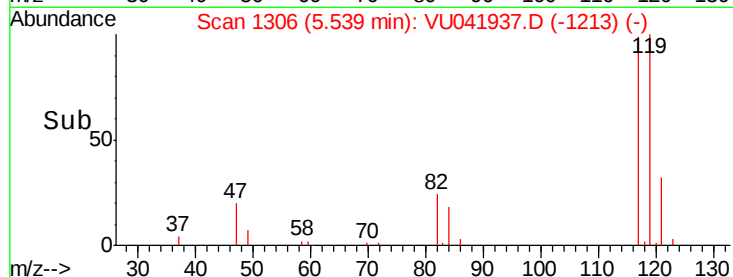
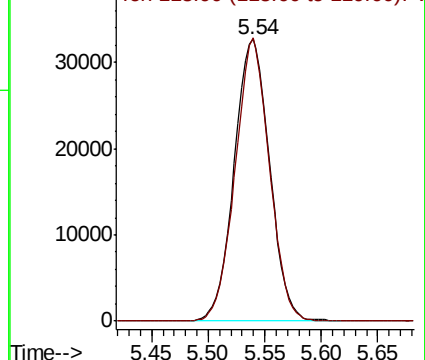
117 100

119 96.6 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.462 ug/L

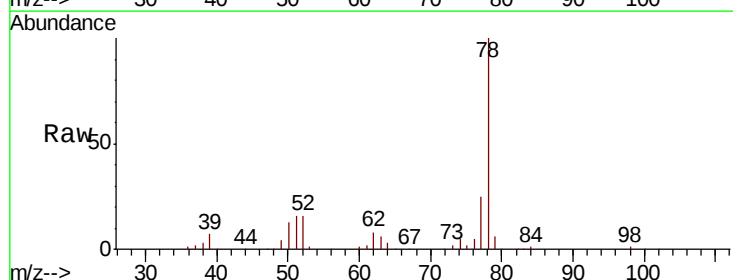
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

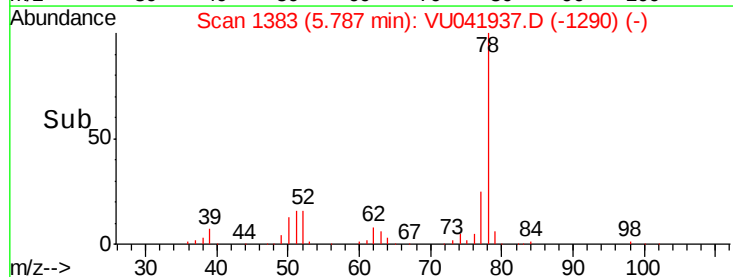
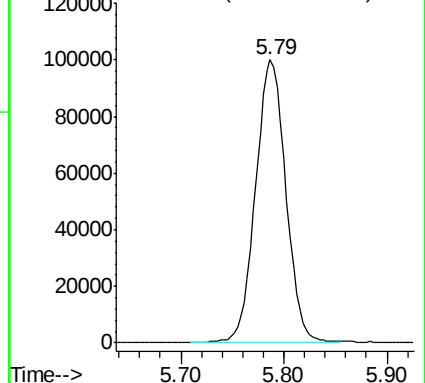
Lab File: VU041937.D

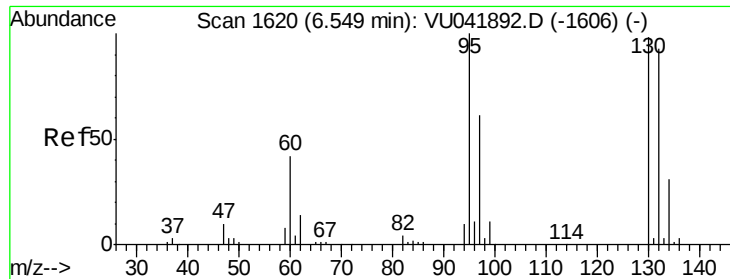
Acq: 11 Jan 2021 21:51

Tgt Ion: 78 Resp: 204021



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.388 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 52824

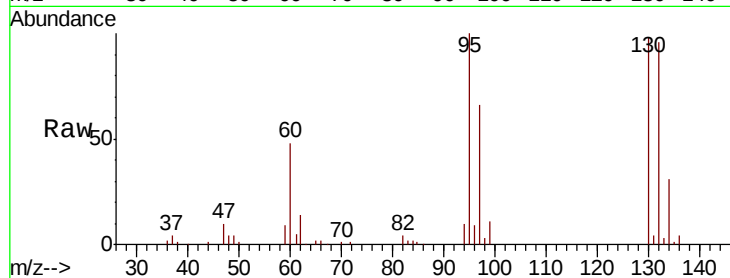
Ion Ratio Lower Upper

95 100

97 65.7 45.2 84.0

132 95.6 68.7 127.5

130 97.6 68.0 126.4

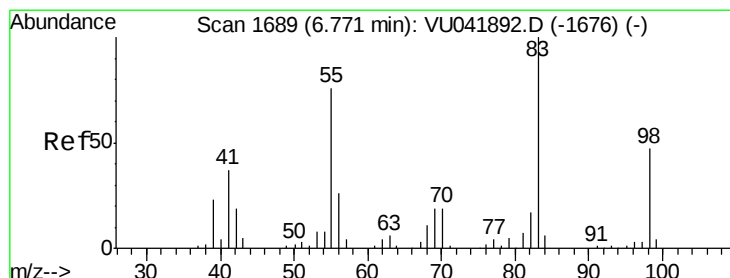
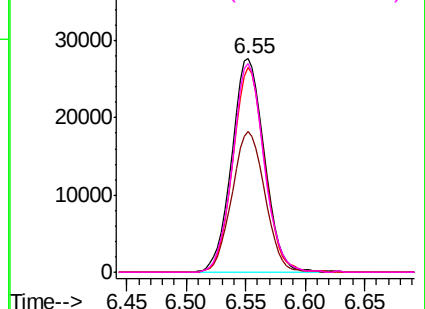
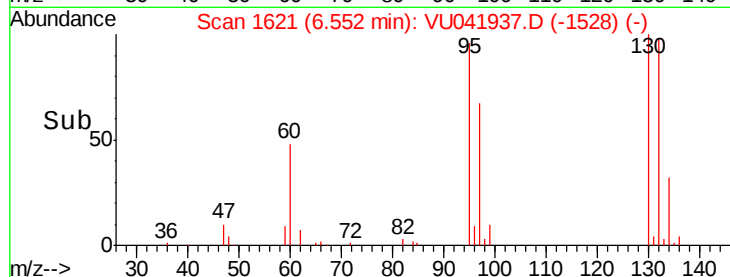


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.432 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

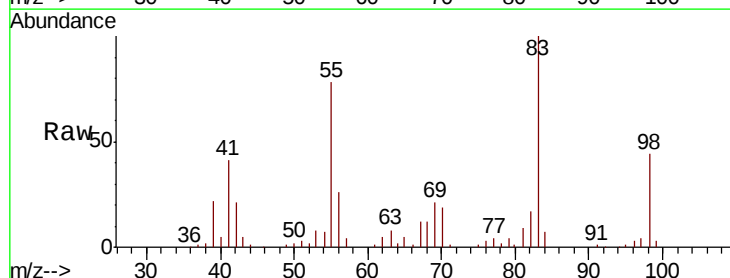
Tgt Ion: 83 Resp: 78280

Ion Ratio Lower Upper

83 100

55 77.7 64.3 96.5

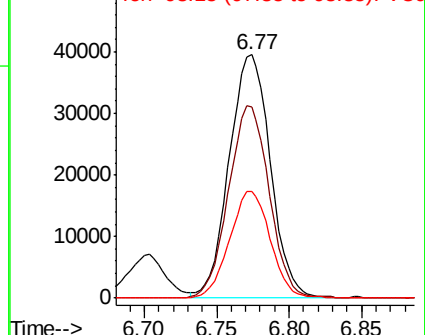
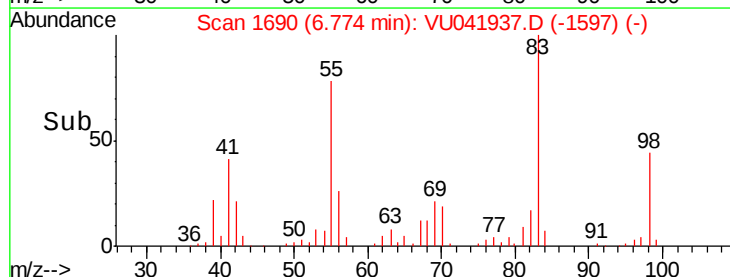
98 43.4 36.6 54.8

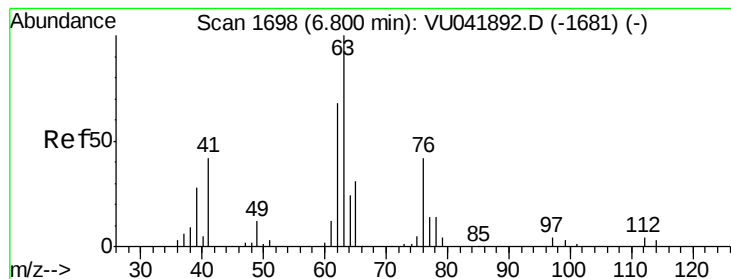


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.408 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

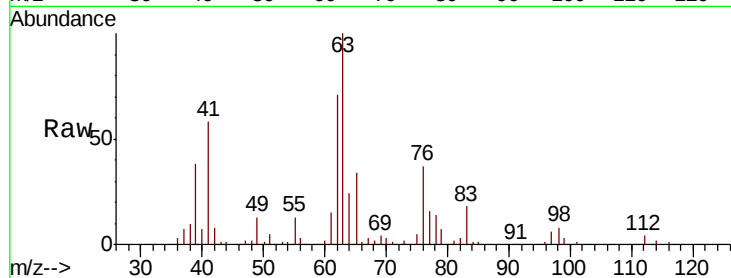
VSTD00514

Tot Ion: 63 Resp: 50370

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9

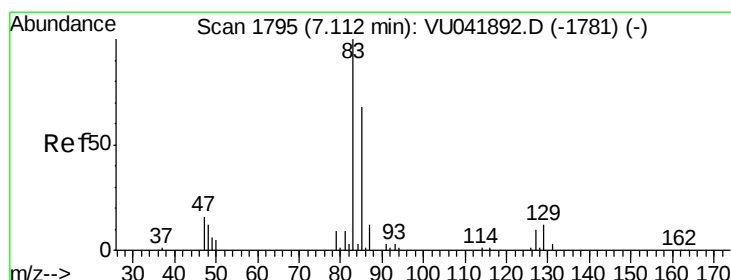
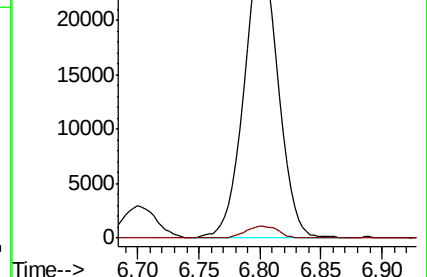
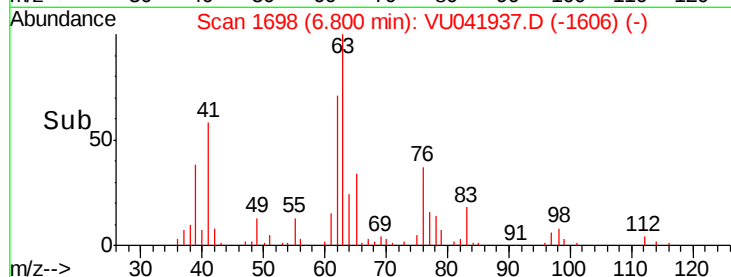


Abundance Ion 63.10 (62.80 to 63.80): VU041892.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041892.D (-1681) (-)

6.80

Time-->



#38

Bromodichloromethane

Concen: 5.265 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

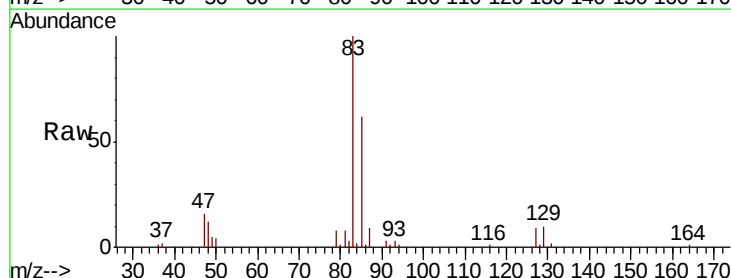
Tgt Ion: 83 Resp: 65622

Ion Ratio Lower Upper

83 100

85 61.8 42.1 78.3

127 9.2 7.0 10.4



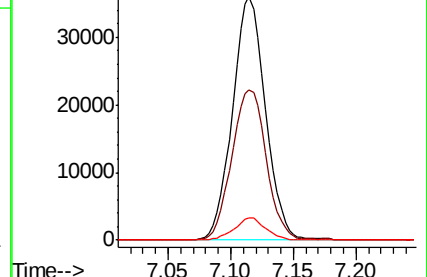
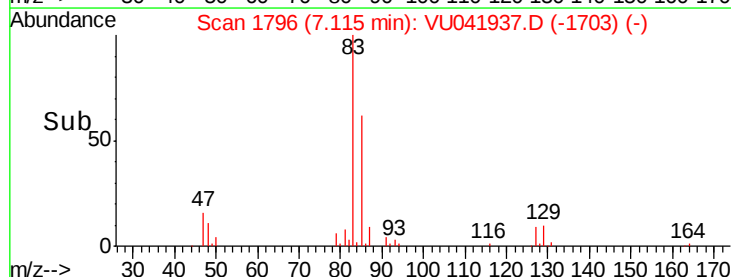
Abundance Ion 82.95 (82.65 to 83.65): VU041892.D (-1781) (-)

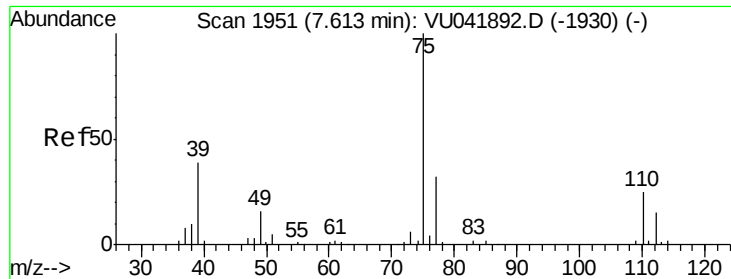
Ion 85.00 (84.70 to 85.70): VU041892.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU041892.D (-1781) (-)

7.11

Time-->

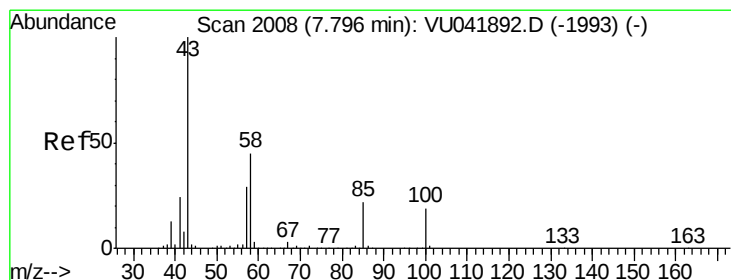
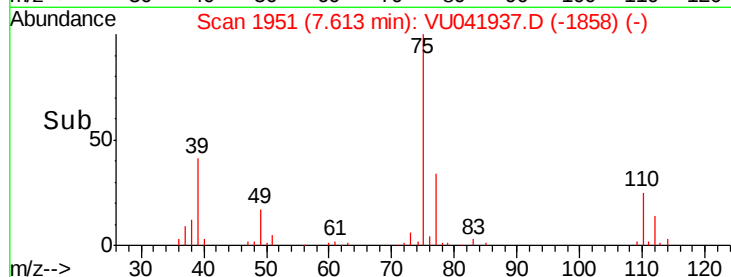
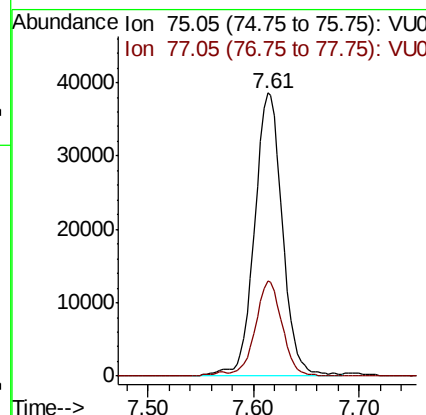
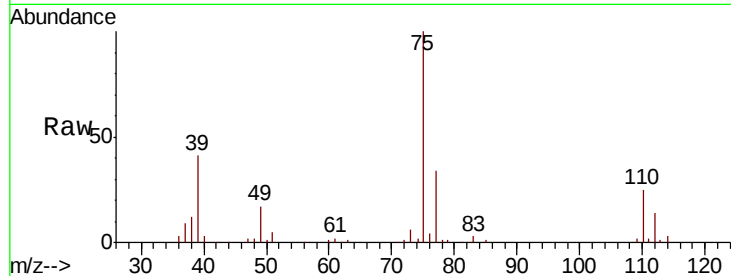




#39
 cis-1,3-Dichloropropene
 Concen: 5.191 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

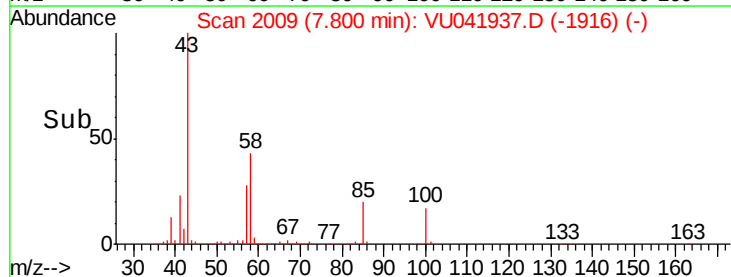
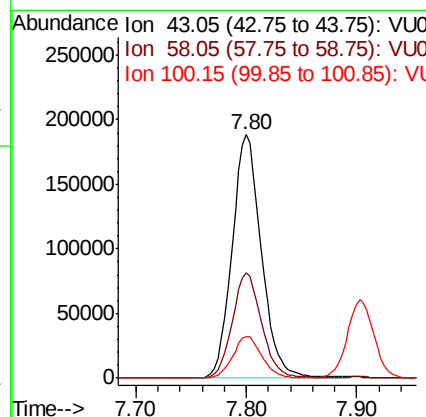
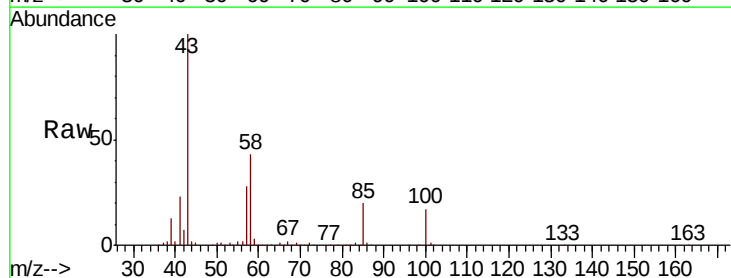
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

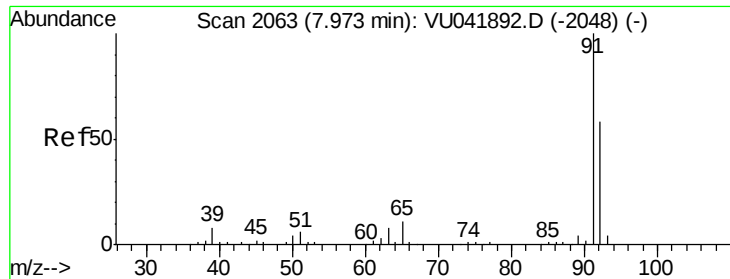
Tot Ion: 75 Resp: 71387
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 58.676 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion: 43 Resp: 346961
 Ion Ratio Lower Upper
 43 100
 58 43.2 35.0 52.4
 100 17.0 13.3 19.9





#42

Toluene

Concen: 5.406 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

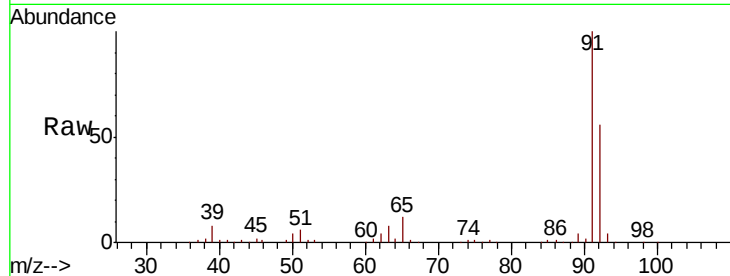
VSTD00514

Tot Ion: 91 Resp: 208626

Ion Ratio Lower Upper

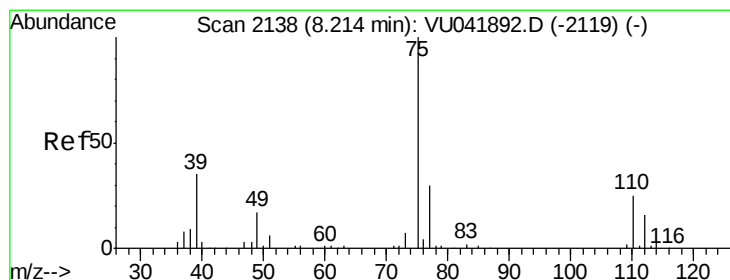
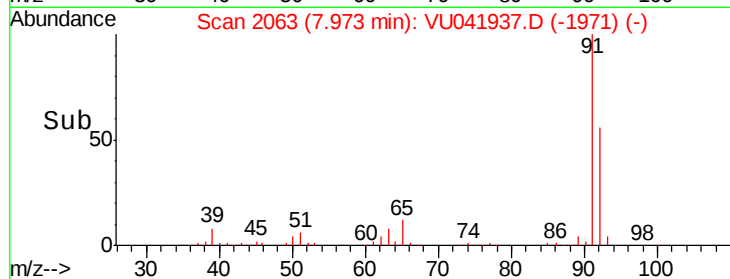
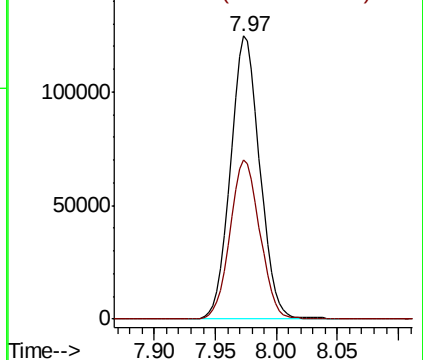
91 100

92 56.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.486 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041937.D

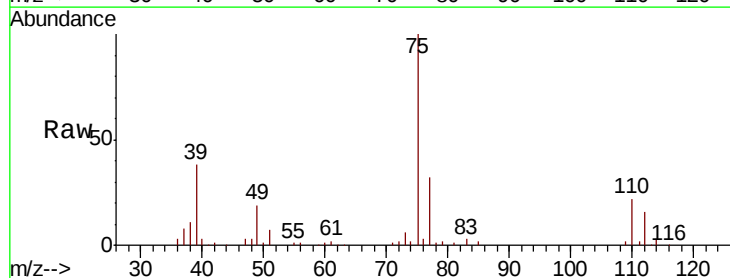
Acq: 11 Jan 2021 21:51

Tgt Ion: 75 Resp: 66739

Ion Ratio Lower Upper

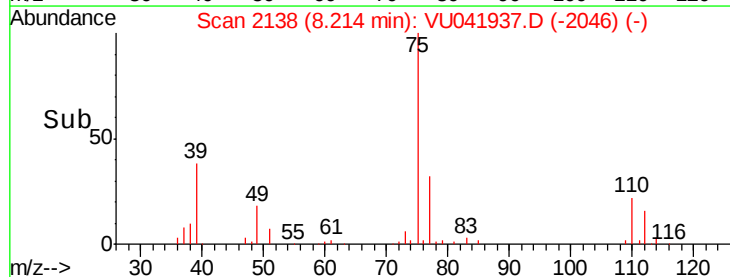
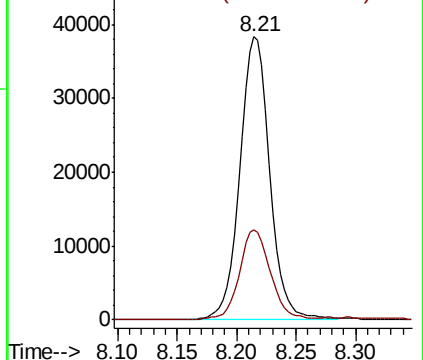
75 100

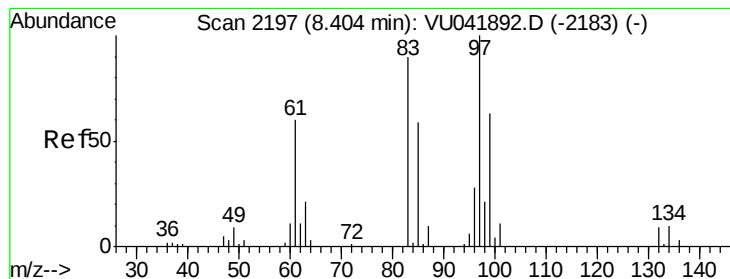
77 31.9 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.490 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 97 Resp: 39205

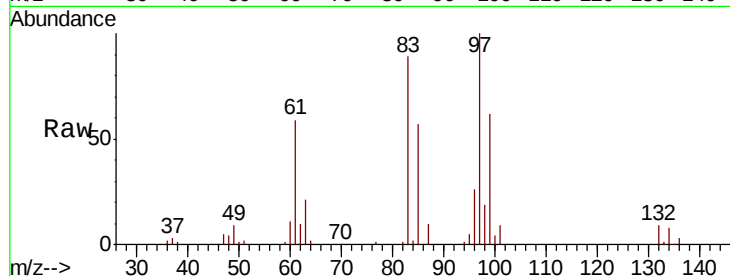
Ion Ratio Lower Upper

97 100

99 61.8 45.1 83.9

83 89.3 63.3 117.7

85 56.9 39.2 72.8

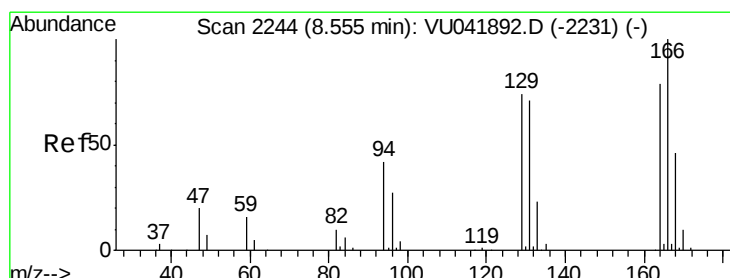
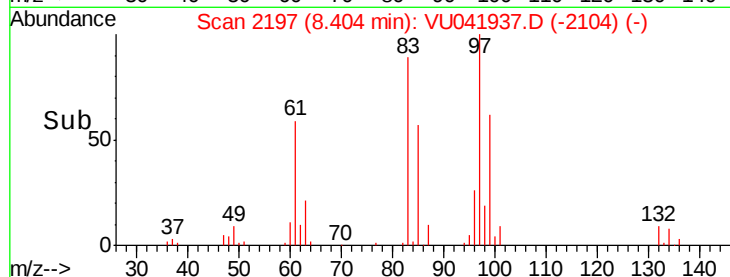
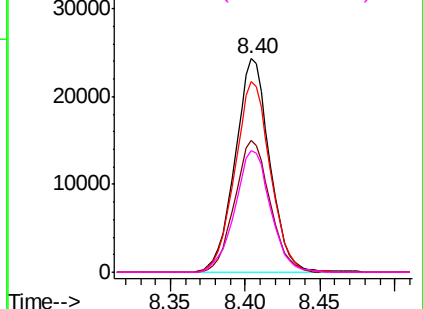


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.383 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Tgt Ion: 164 Resp: 36726

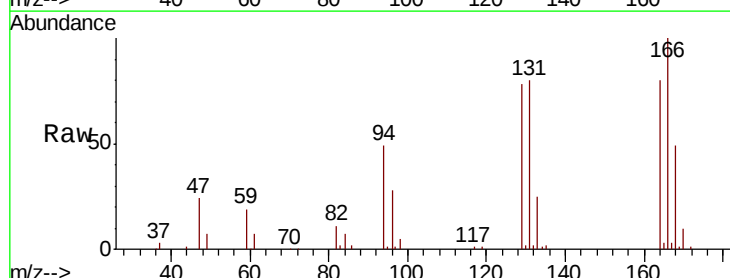
Ion Ratio Lower Upper

164 100

129 97.8 69.2 128.6

131 100.4 69.7 129.5

166 125.4 89.2 165.8

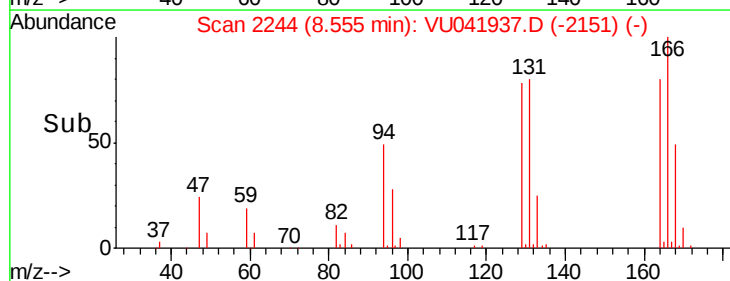
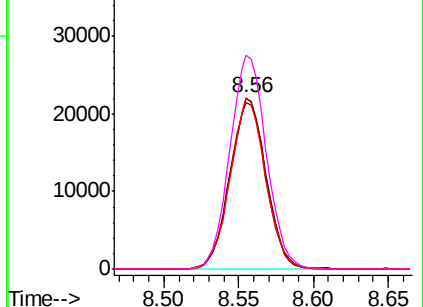


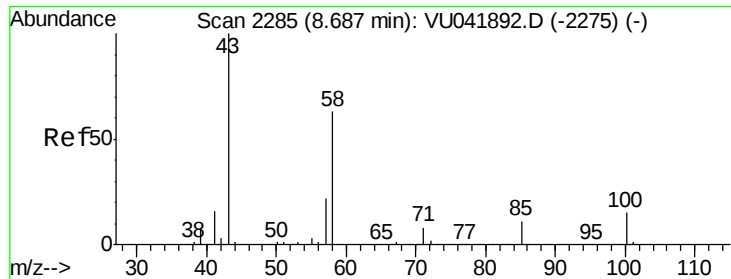
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

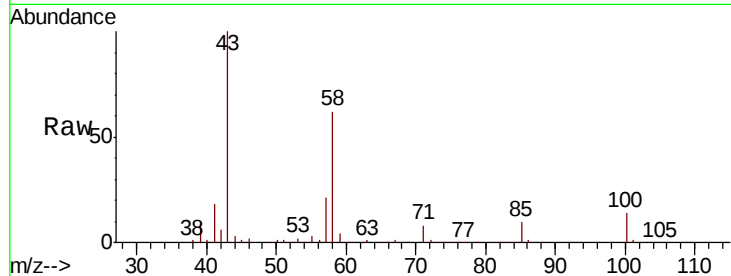




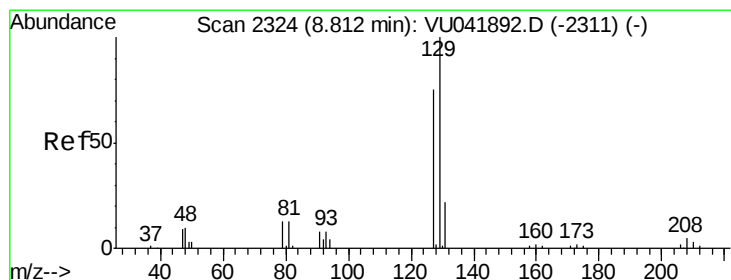
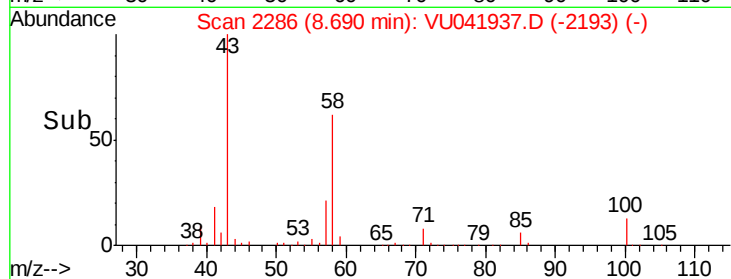
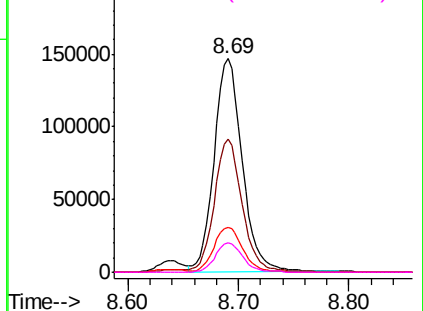
#48
2-Hexanone
Concen: 59.488 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	43	Resp:	259301
Ion	Ratio	Lower	Upper
43	100		
58	61.3	47.6	71.4
57	21.4	17.1	25.7
100	13.5	10.4	15.6

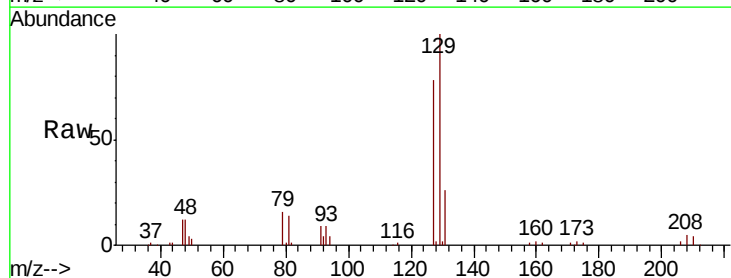


Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041937.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041937.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041937.D (-2193) (-)

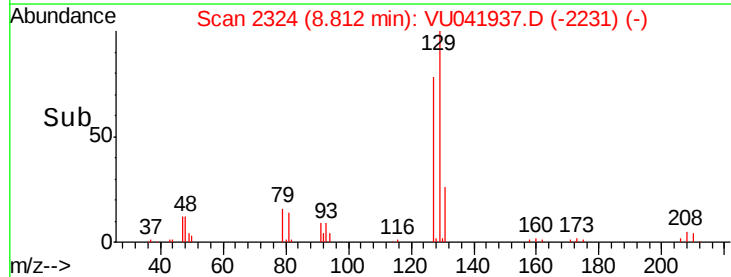
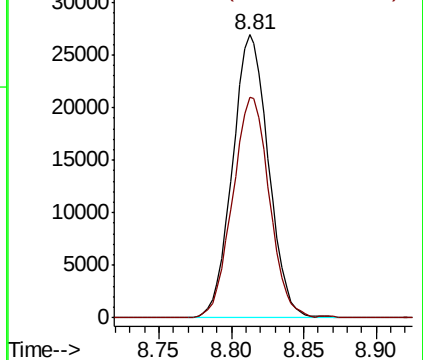


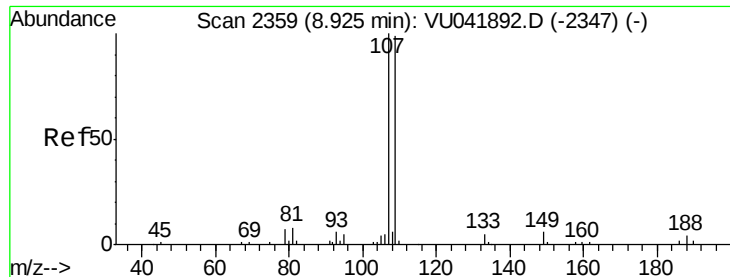
#49
Dibromochloromethane
Concen: 5.346 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041937.D
Acq: 11 Jan 2021 21:51

Tgt Ion:	129	Resp:	46463
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): VU041937.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041937.D (-2231) (-)

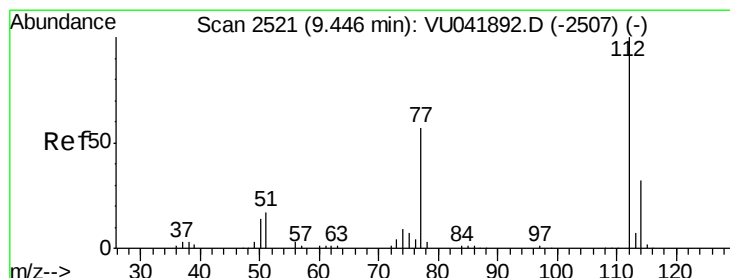
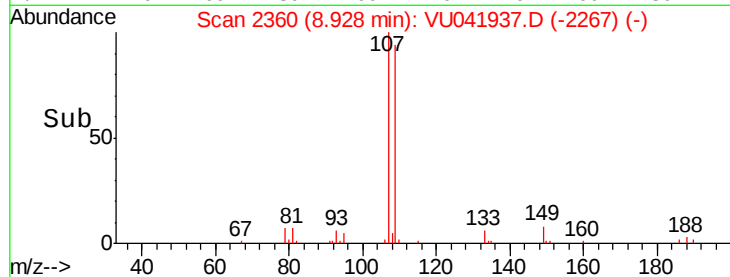
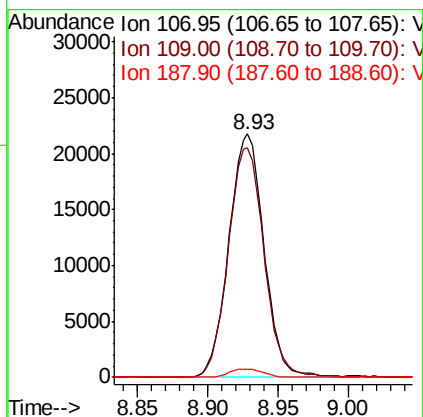
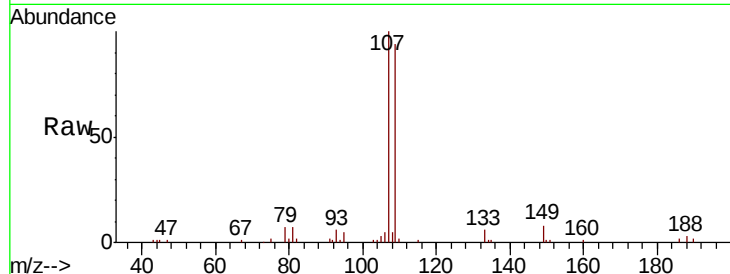




#50
 1,2-Dibromoethane
 Concen: 5.637 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

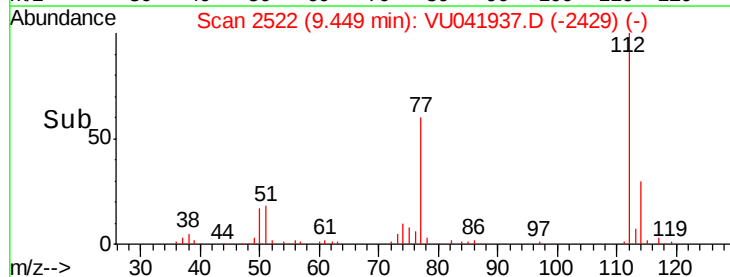
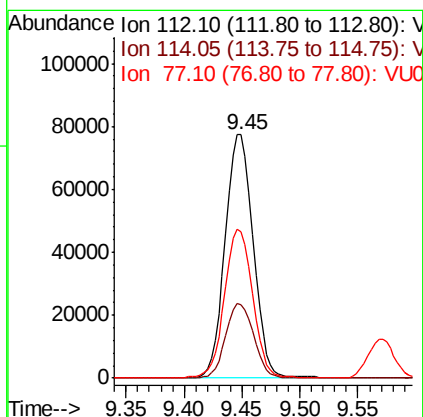
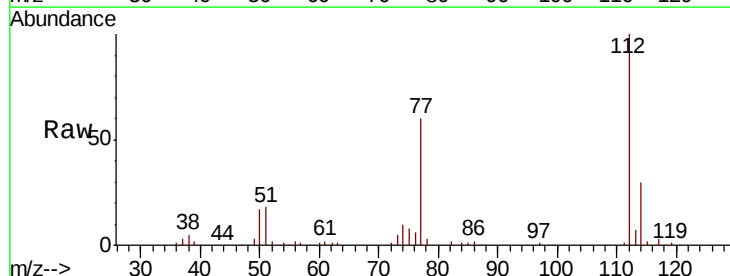
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

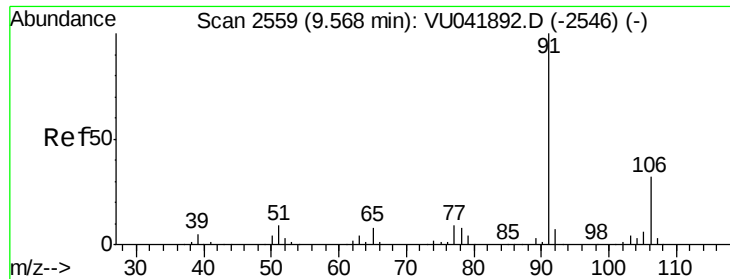
Tot Ion:107 Resp: 37949
 Ion Ratio Lower Upper
 107 100
 109 94.5 68.5 127.1
 188 3.4 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.337 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion:112 Resp: 129647
 Ion Ratio Lower Upper
 112 100
 114 30.3 21.5 39.9
 77 60.3 47.3 70.9





#52

Ethylbenzene

Concen: 5.320 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

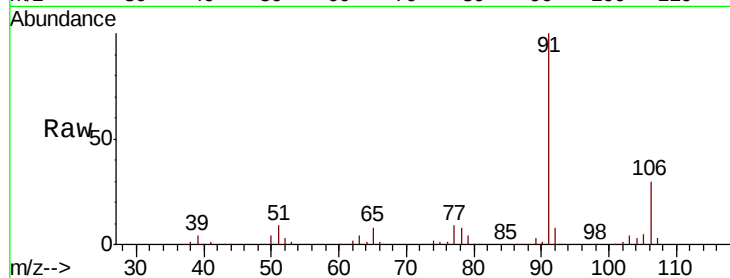
VSTD00514

Tot Ion: 91 Resp: 216245

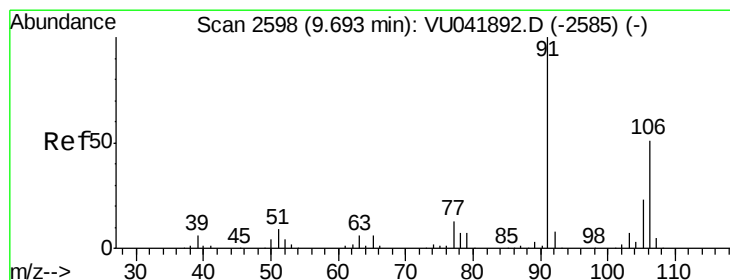
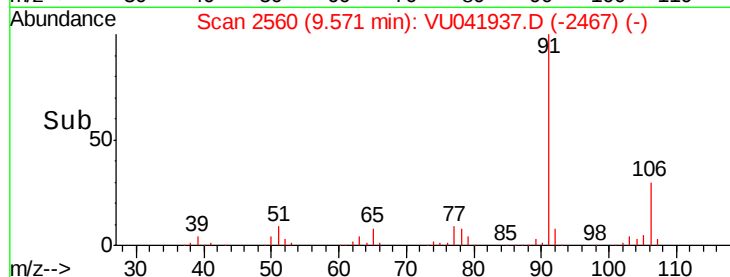
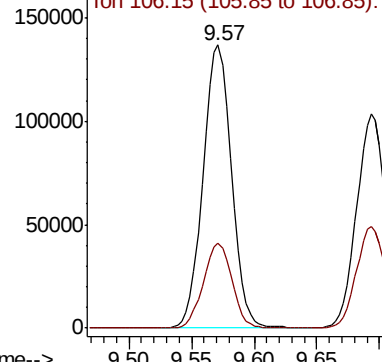
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.431 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041937.D

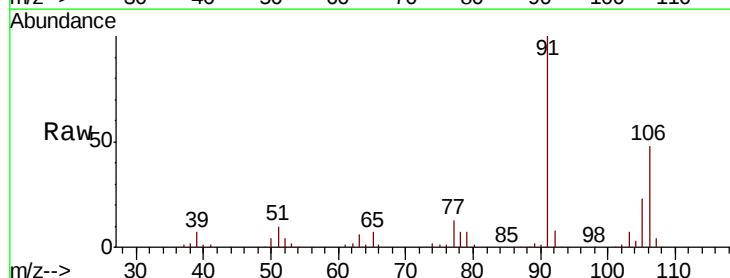
Acq: 11 Jan 2021 21:51

Tgt Ion: 106 Resp: 81727

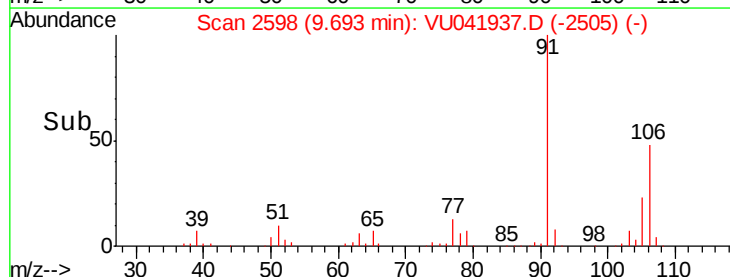
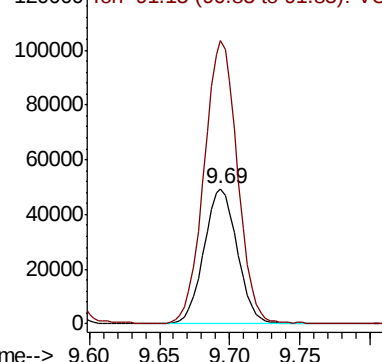
Ion Ratio Lower Upper

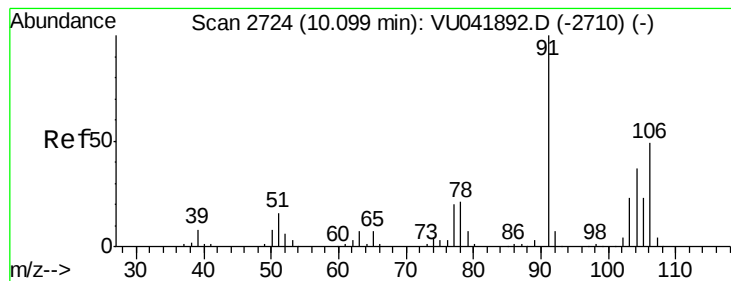
106 100

91 209.4 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041892.D (-2585) (-)





#54

o-Xylene

Concen: 5.449 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

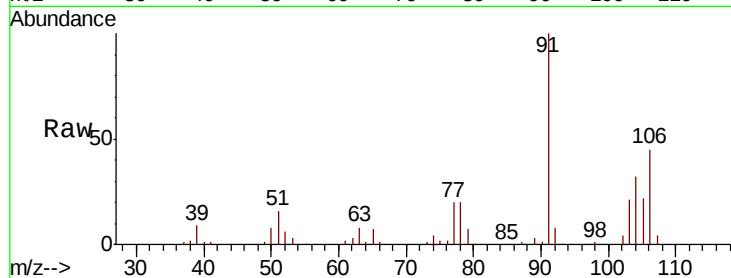
VSTD00514

Tot Ion:106 Resp: 79244

Ion Ratio Lower Upper

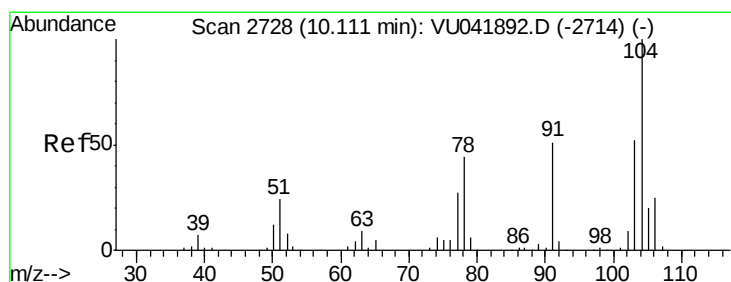
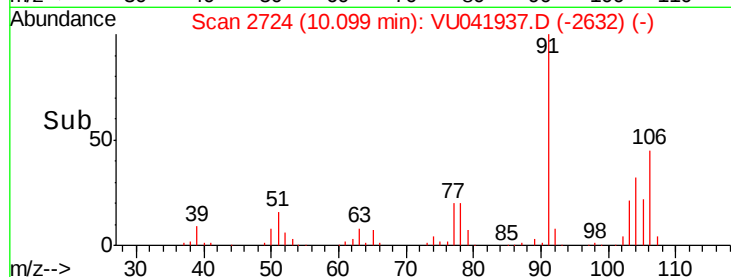
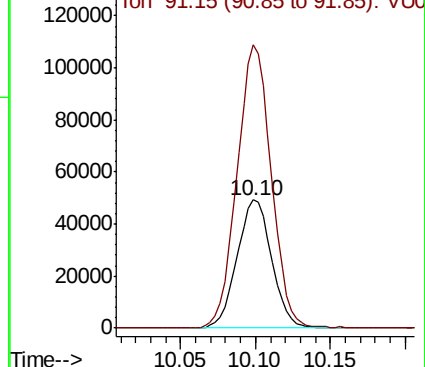
106 100

91 221.1 147.3 273.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.549 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041937.D

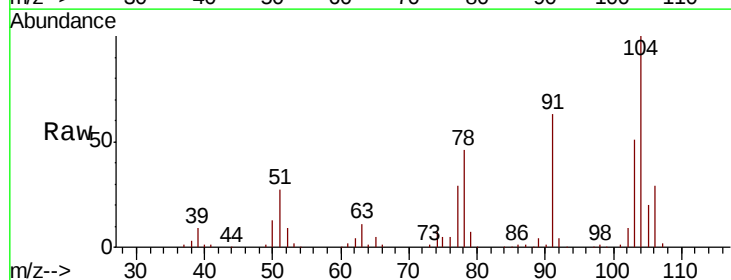
Acq: 11 Jan 2021 21:51

Tgt Ion:104 Resp: 140273

Ion Ratio Lower Upper

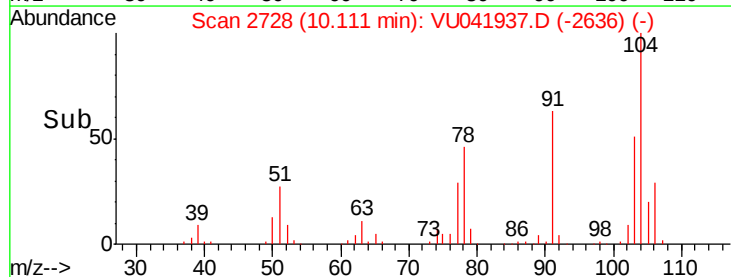
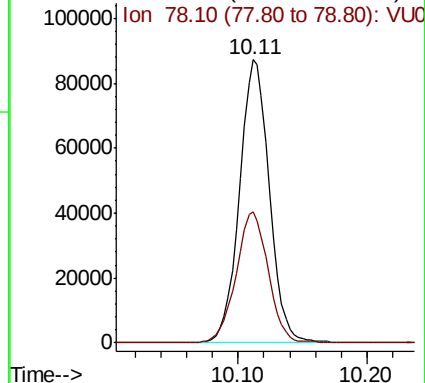
104 100

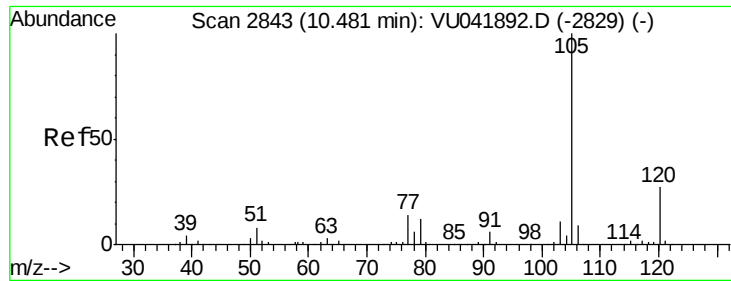
78 46.1 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.370 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

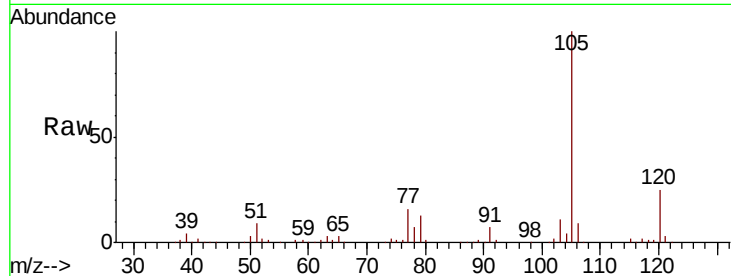
Tot Ion:105 Resp: 209703

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

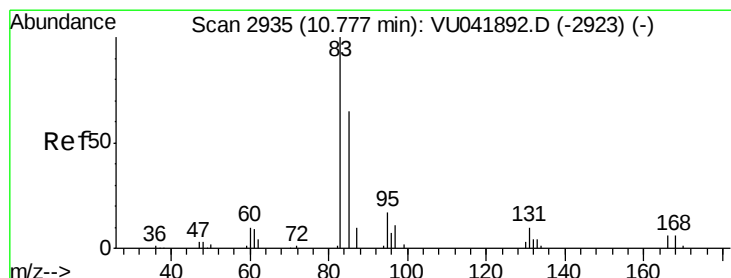
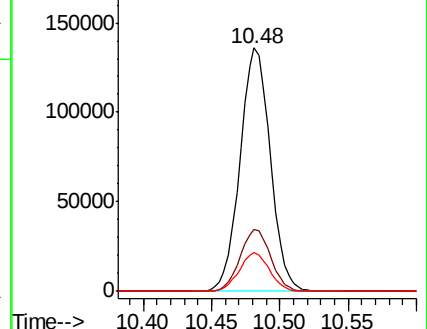
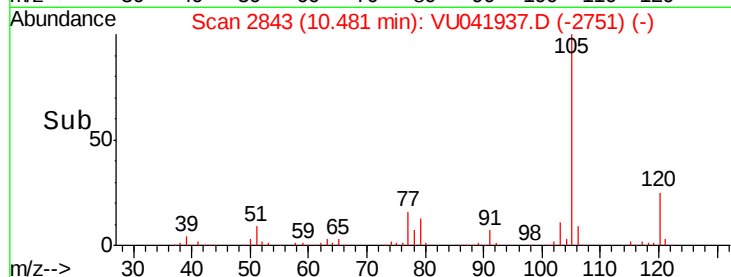
77 15.8 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.571 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

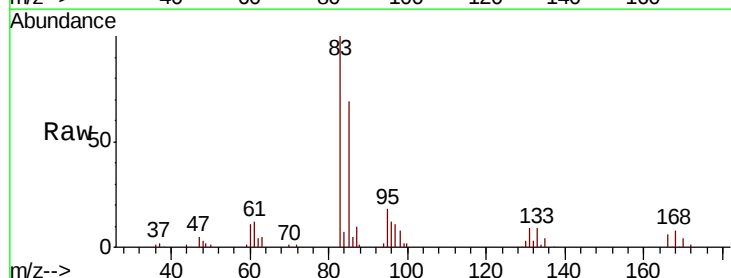
Tgt Ion: 83 Resp: 51985

Ion Ratio Lower Upper

83 100

85 69.2 45.4 84.2

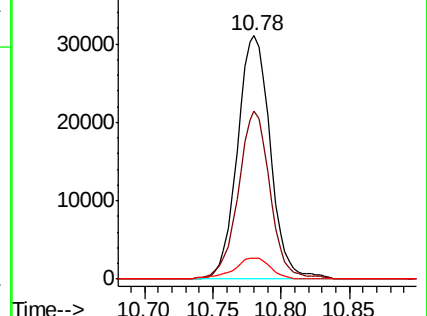
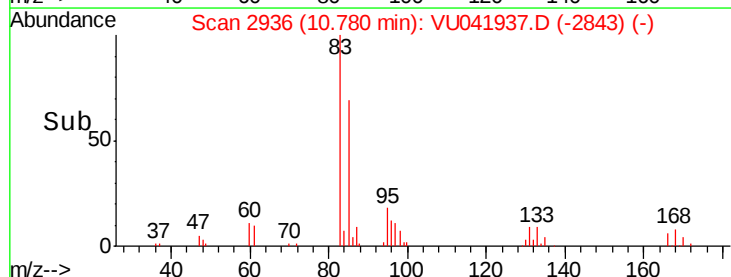
131 8.8 7.4 11.2

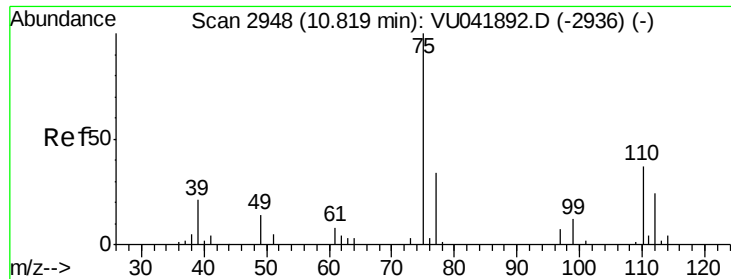


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.584 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

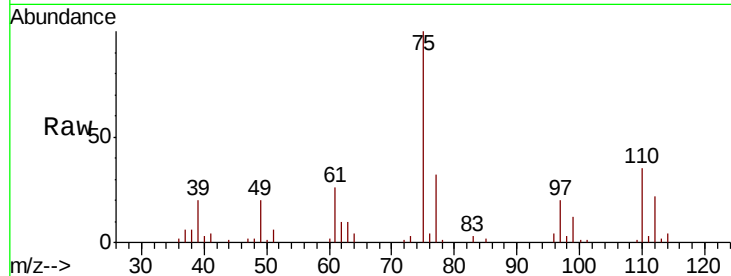
VSTD00514

Tot Ion: 75 Resp: 37986

Ion Ratio Lower Upper

75 100

77 32.8 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU041892.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041892.D (-2936) (-)

10.82

25000

20000

15000

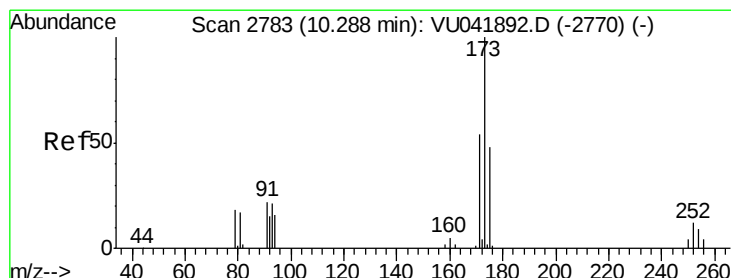
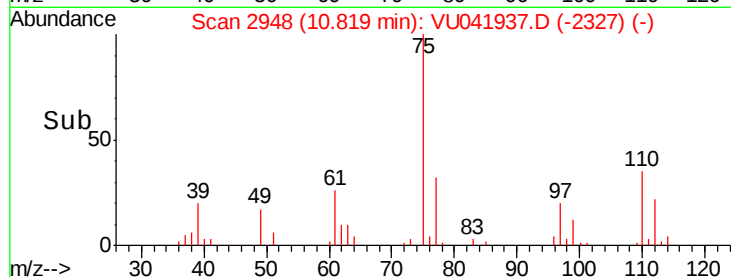
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.321 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

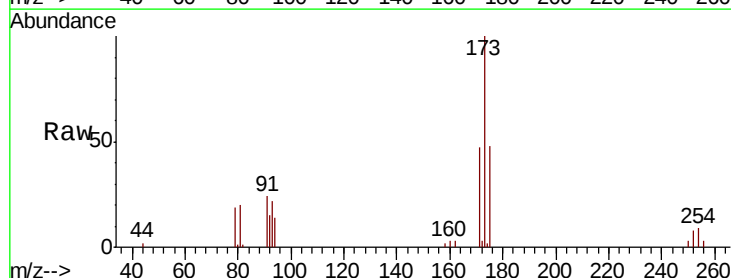
Tgt Ion: 173 Resp: 27461

Ion Ratio Lower Upper

173 100

175 49.4 36.1 54.1

254 8.6 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU041892.D (-2770) (-)

Ion 174.90 (174.60 to 175.60): VU041892.D (-2770) (-)

Ion 253.75 (253.45 to 254.45): VU041892.D (-2770) (-)

10.29

20000

15000

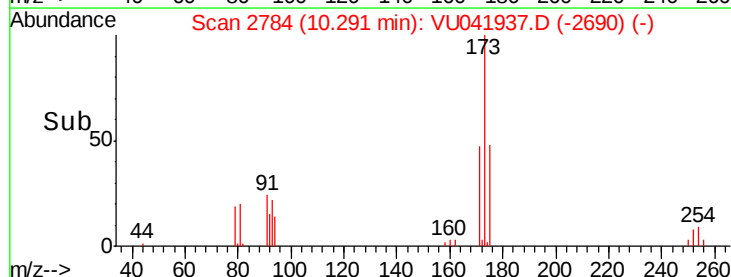
10000

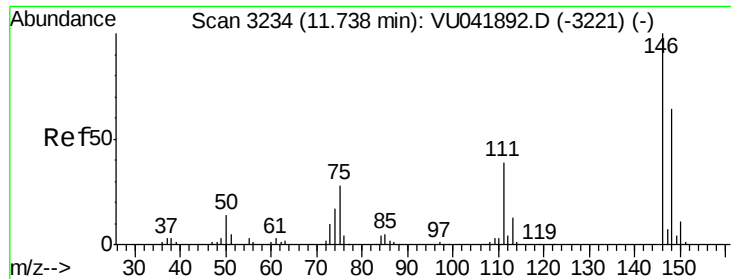
5000

0

Time-->

10.20 10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.153 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

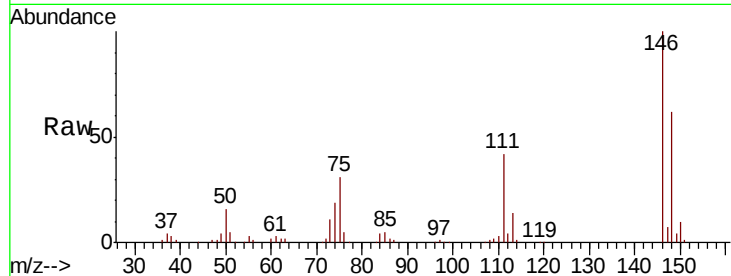
Tot Ion:146 Resp: 99619

Ion Ratio Lower Upper

146 100

111 41.7 28.7 53.3

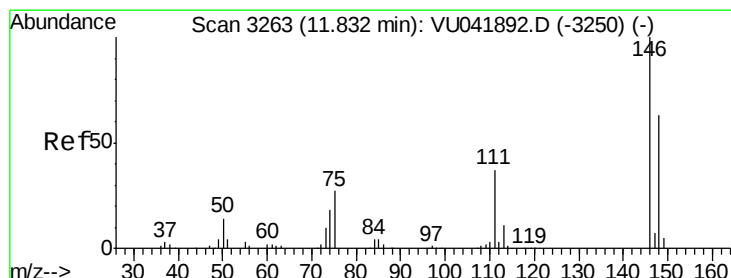
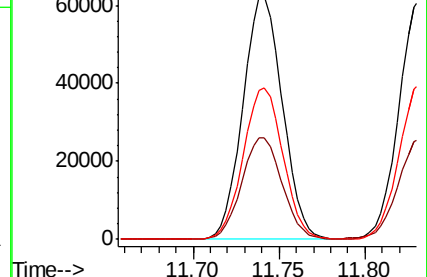
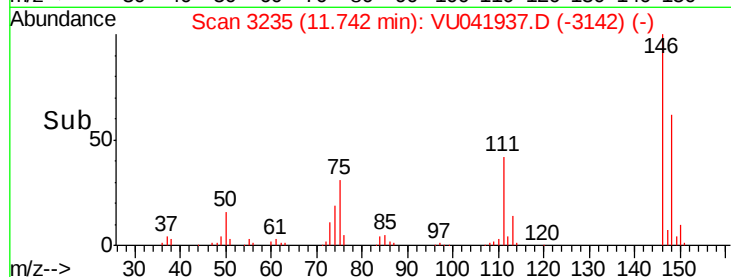
148 62.3 43.2 80.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.018 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

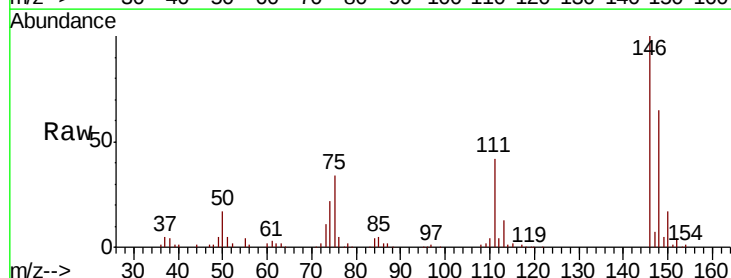
Tgt Ion:146 Resp: 97363

Ion Ratio Lower Upper

146 100

111 42.3 28.4 52.8

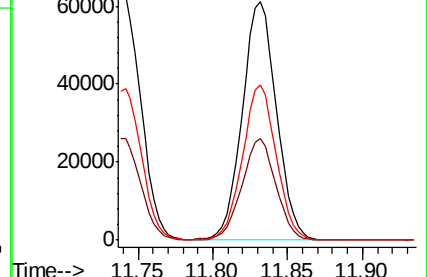
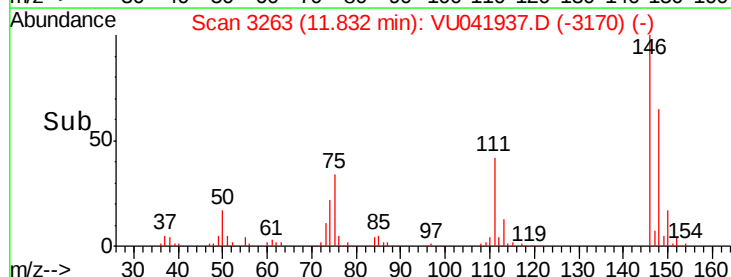
148 65.0 44.0 81.8

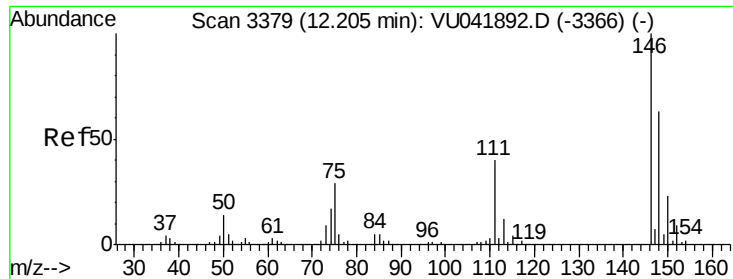


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

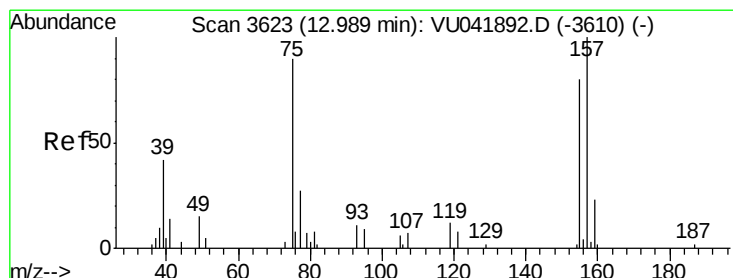
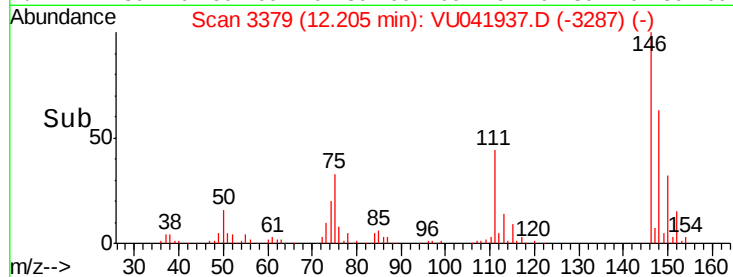
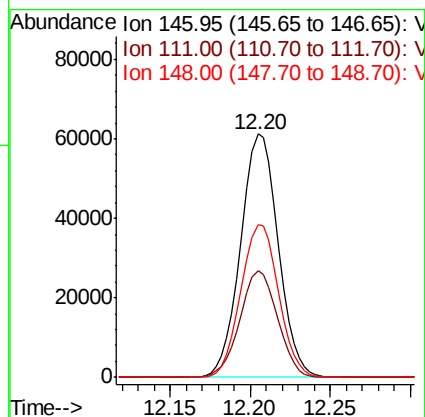
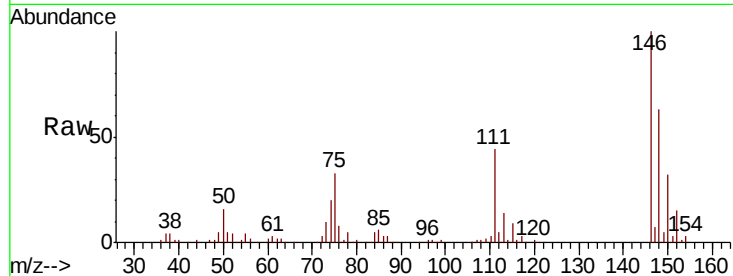




#65
 1,2-Dichlorobenzene
 Concen: 5.252 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

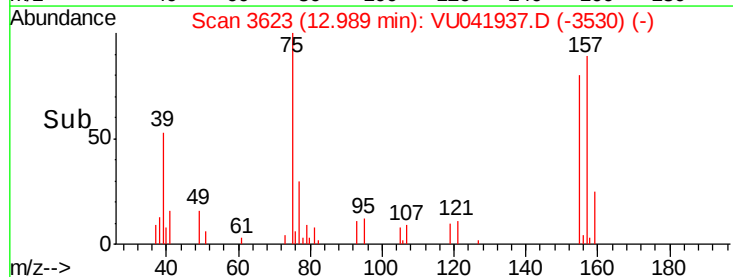
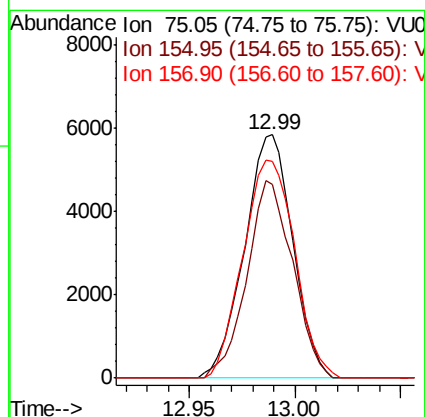
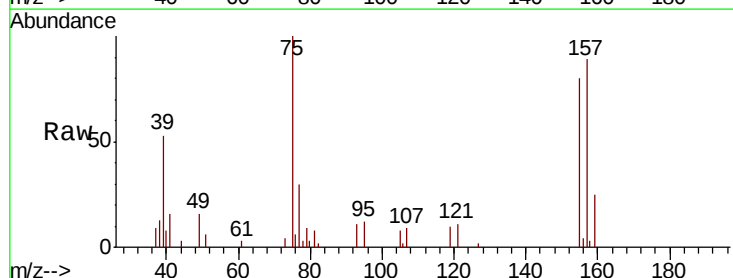
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

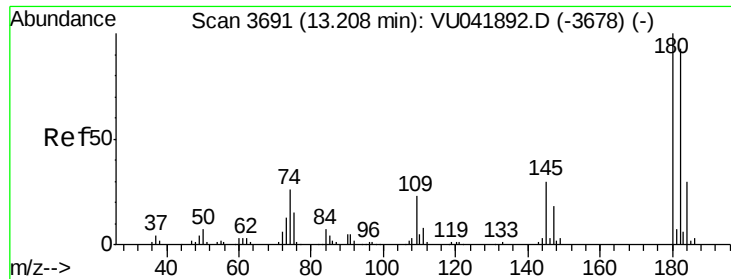
Tot Ion:146 Resp: 97733
 Ion Ratio Lower Upper
 146 100
 111 43.6 32.4 48.6
 148 62.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.503 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion: 75 Resp: 9299
 Ion Ratio Lower Upper
 75 100
 155 79.7 60.6 91.0
 157 88.8 81.0 121.6

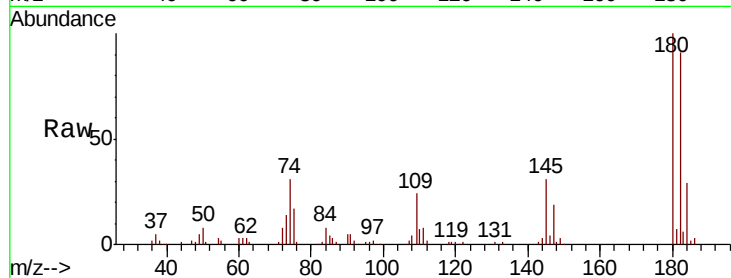




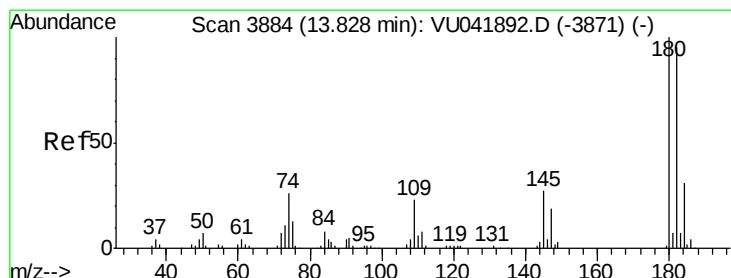
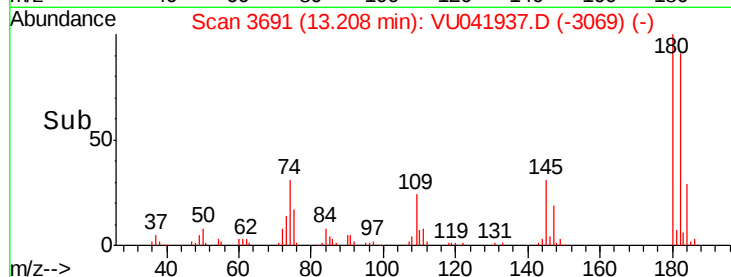
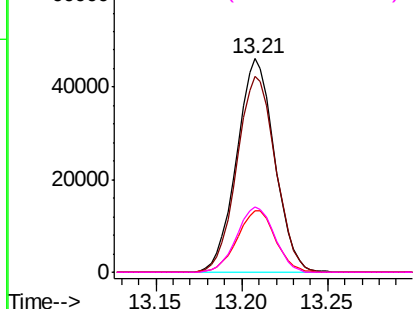
#67
 1,3,5-Trichlorobenzene
 Concen: 4.998 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:180 Resp: 70542
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.6 111.8
 184 29.2 23.8 35.6
 145 30.3 24.6 37.0

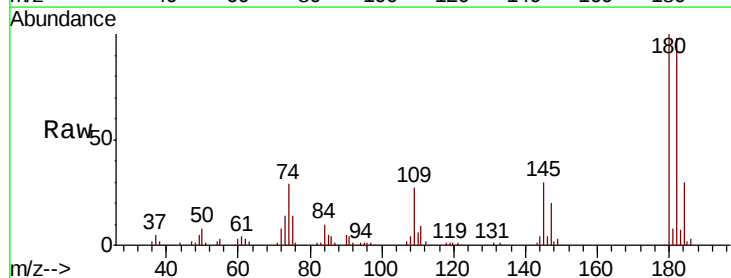


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

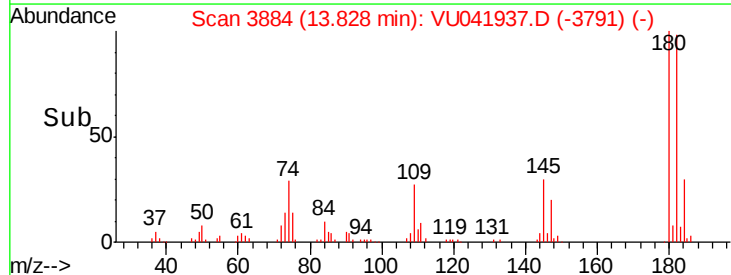
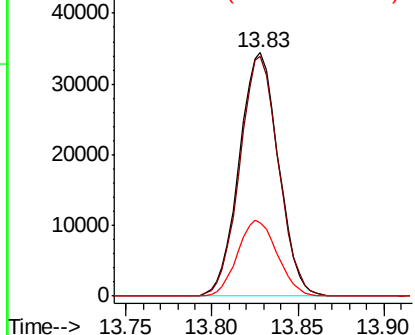


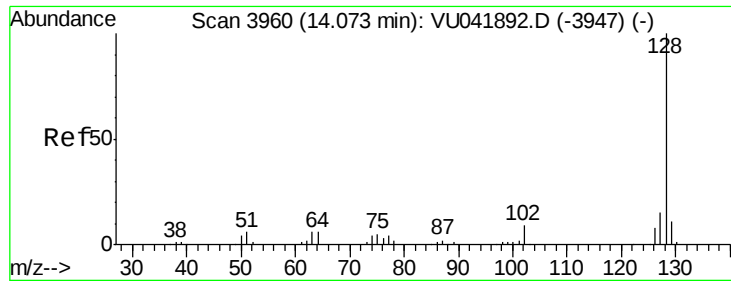
#68
 1,2,4-trichlorobenzene
 Concen: 5.119 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041937.D
 Acq: 11 Jan 2021 21:51

Tgt Ion:180 Resp: 54451
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.2 115.8
 145 31.5 23.8 35.6



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





#69

Naphthalene

Concen: 5.525 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

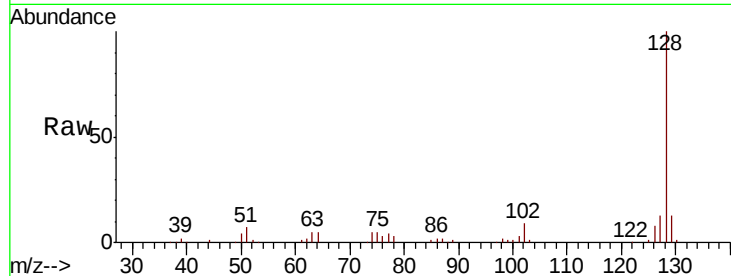
Tot Ion:128 Resp: 99673

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

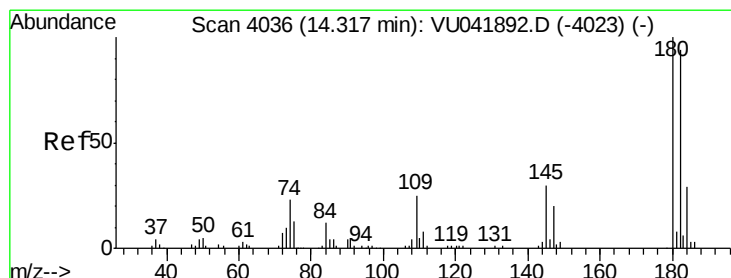
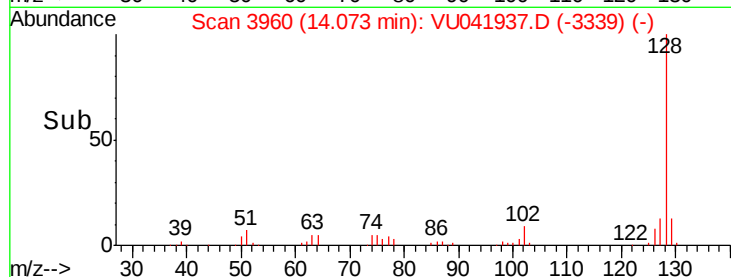
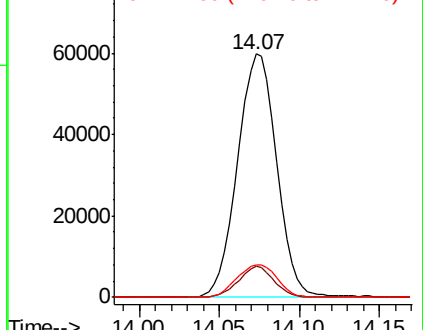
127 13.8 10.7 16.1



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



#70

1,2,3-Trichlorobenzene

Concen: 5.348 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041937.D

Acq: 11 Jan 2021 21:51

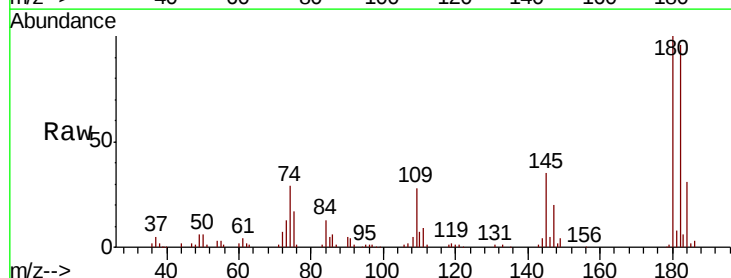
Tgt Ion:180 Resp: 53781

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.4

145 33.8 27.0 40.6



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

