

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041356.D
 Acq On : 19 Nov 2020 20:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Nov 20 06:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61586	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62056	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20171	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.92	69	18958	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	45072	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.66	46	96595	51.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	5.08	84	55840	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.72	65	34204	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.74	84	94621	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
36) 1,2-Dichloropropane-d6	6.70	67	32050	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.91	98	88170	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
43) trans-1,3-Dichloropropene-	8.18	79	13879	5.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.80%
46) 2-Hexanone-d5	8.64	63	71479	53.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30110	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	33296	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25074	4.933	ug/L 99
3) Chloromethane	1.53	50	22883	4.180	ug/L 99
5) Vinyl chloride	1.61	62	24328	4.550	ug/L # 69
6) Bromomethane	1.86	94	10210	3.219	ug/L 98
8) Chloroethane	1.94	64	16622	4.684	ug/L 90
9) Trichlorofluoromethane	2.14	101	43695	5.247	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23606	5.204	ug/L 95
12) 1,1-Dichloroethene	2.59	96	19321	4.819	ug/L 97
13) Acetone	2.66	43	54114	43.672	ug/L # 60
14) Carbon disulfide	2.80	76	51627	4.376	ug/L 99
15) Methyl Acetate	2.97	43	12258	4.762	ug/L 94
16) Methylene chloride	3.06	84	27887	5.548	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	57726	5.260	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	20074	5.141	ug/L 97
19) 1,1-Dichloroethane	3.89	63	45769	5.243	ug/L 97
21) 2-Butanone	4.74	43	83148	44.198	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	24036	5.451	ug/L 93

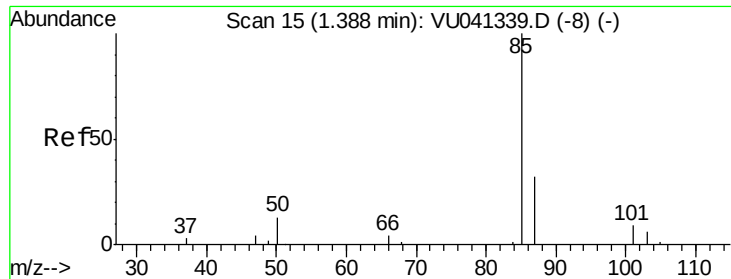
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041356.D
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 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11478	5.250	ug/L	94
25) Chloroform	5.11	83	48685	5.143	ug/L	99
27) 1,2-Dichloroethane	5.81	62	35977	5.286	ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	42701	5.630	ug/L	95
30) Cyclohexane	5.40	56	30946	4.938	ug/L	97
31) Carbon tetrachloride	5.54	117	36693	5.579	ug/L	99
33) Benzene	5.79	78	94538	5.622	ug/L	100
34) Trichloroethene	6.56	95	23347	5.137	ug/L	97
35) Methylcyclohexane	6.77	83	31210	5.169	ug/L	97
37) 1,2-Dichloropropane	6.80	63	26946	5.482	ug/L #	97
38) Bromodichloromethane	7.11	83	35934	5.593	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	35136	5.125	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	199476	49.037	ug/L	99
42) Toluene	7.98	91	99343	5.528	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	34333	5.294	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	20002	5.262	ug/L	96
47) Tetrachloroethene	8.56	164	17569	5.231	ug/L	97
48) 2-Hexanone	8.69	43	150841	49.674	ug/L	99
49) Dibromochloromethane	8.82	129	24229	5.378	ug/L	100
50) 1,2-Dibromoethane	8.93	107	18159	5.149	ug/L	97
51) Chlorobenzene	9.45	112	63797	5.359	ug/L	99
52) Ethylbenzene	9.57	91	102384	5.335	ug/L	99
53) m,p-Xylene	9.69	106	38903	5.609	ug/L	97
54) o-Xylene	10.10	106	38136	5.708	ug/L	98
55) Styrene	10.11	104	65012	5.495	ug/L	98
56) Isopropylbenzene	10.48	105	102802	5.809	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	26933	5.420	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	19399	5.004	ug/L	99
61) Bromoform	10.29	173	13861	4.900	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	50405	5.423	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	49537	5.172	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	48800	5.278	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4380	5.103	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	34775	5.253	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	26145	4.755	ug/L	97
69) Naphthalene	14.08	128	39518	4.439	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	24376	4.773	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.933 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

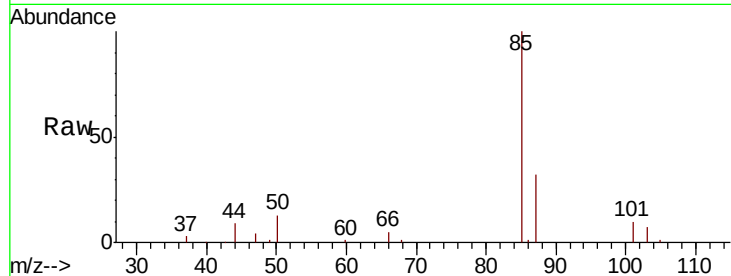
VSTD00530

Tot Ion: 85 Resp: 25074

Ion Ratio Lower Upper

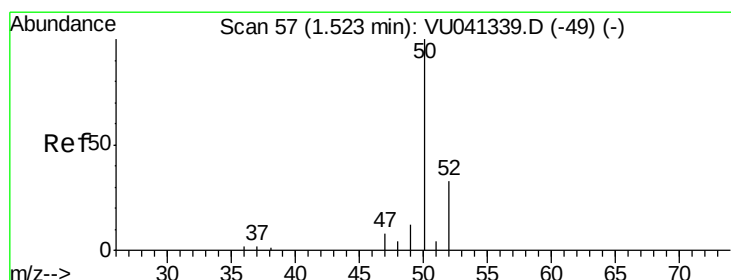
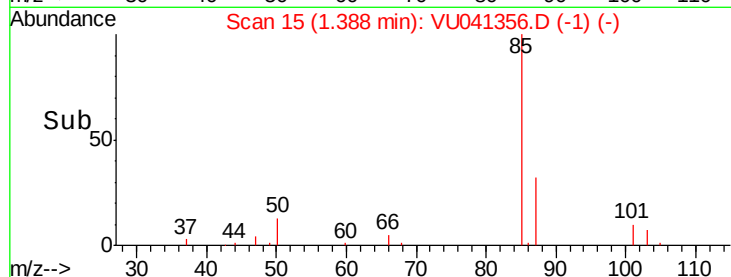
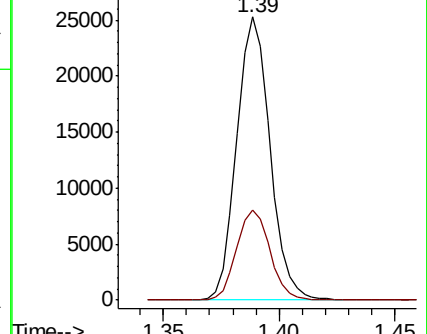
85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041339.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041339.D (-8) (-)



#3

Chloromethane

Concen: 4.180 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041356.D

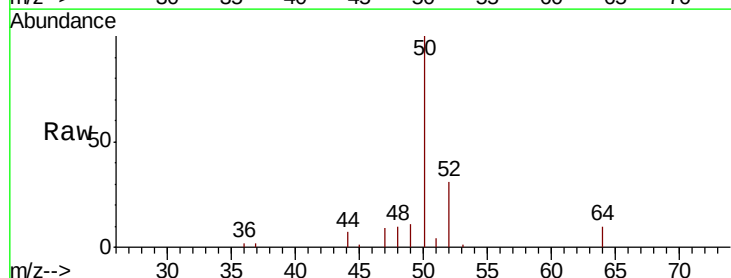
Acq: 19 Nov 2020 20:23

Tgt Ion: 50 Resp: 22883

Ion Ratio Lower Upper

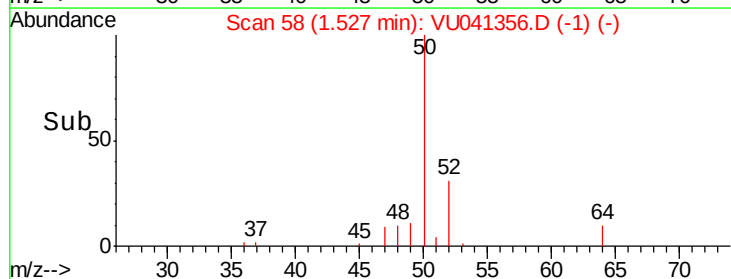
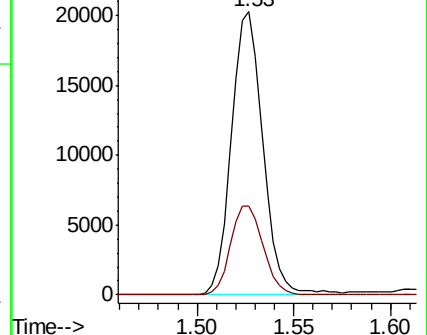
50 100

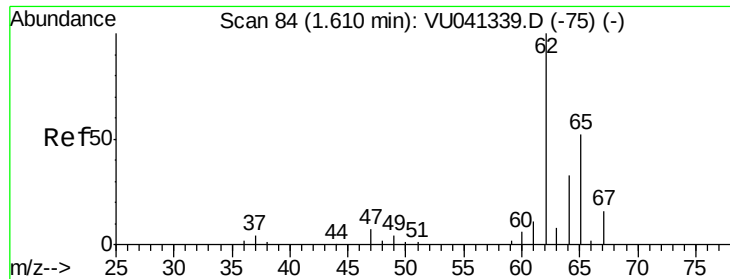
52 31.2 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041339.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041339.D (-49) (-)





#5

Vinyl chloride

Concen: 4.550 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampled :

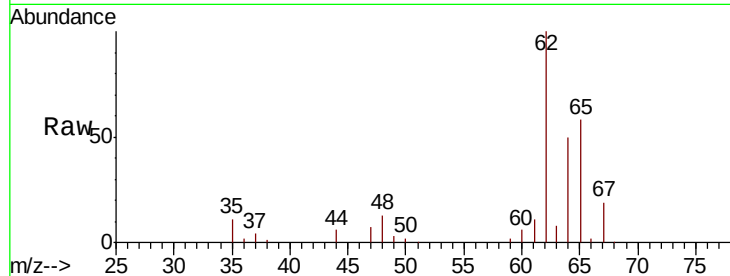
VSTD00530

Tot Ion: 62 Resp: 24328

Ion Ratio Lower Upper

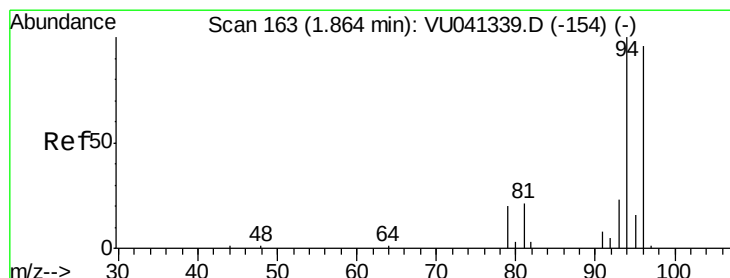
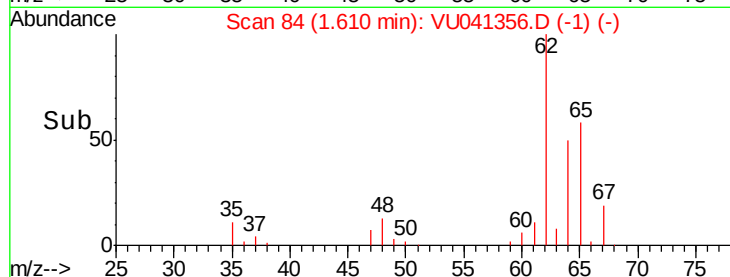
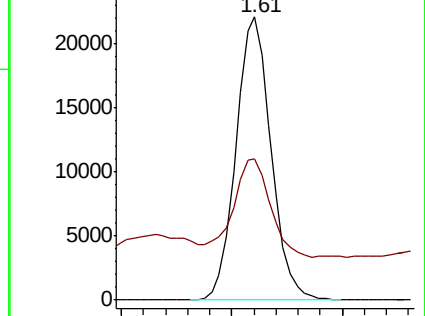
62 100

64 49.8 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.219 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041356.D

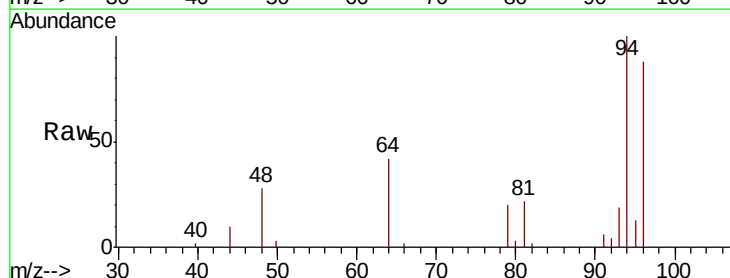
Acq: 19 Nov 2020 20:23

Tgt Ion: 94 Resp: 10210

Ion Ratio Lower Upper

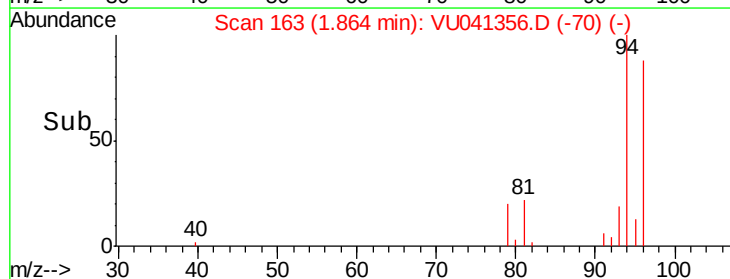
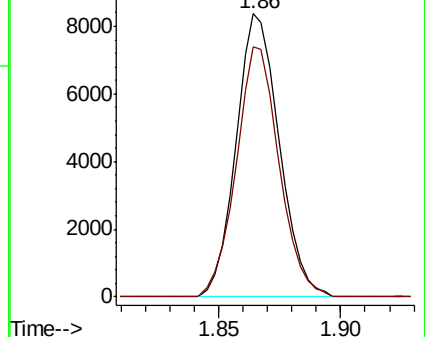
94 100

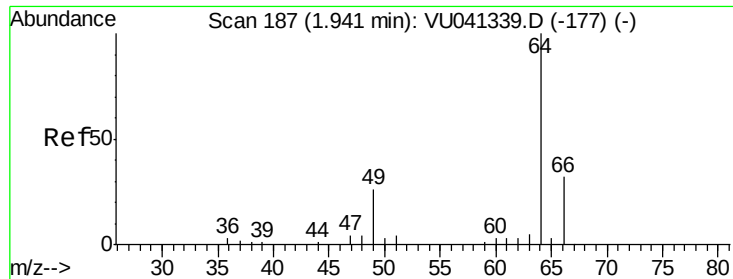
96 88.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

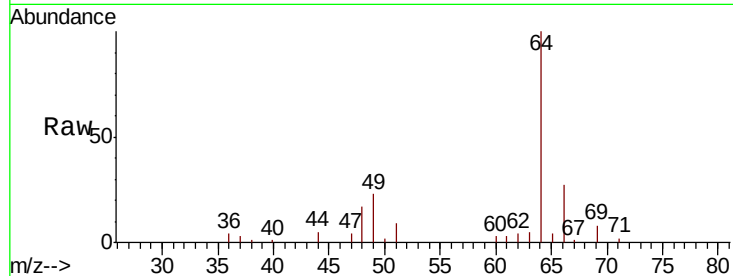




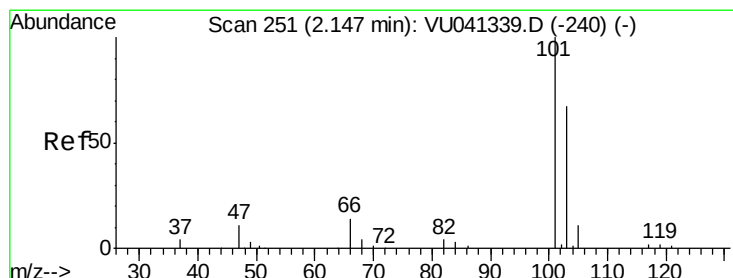
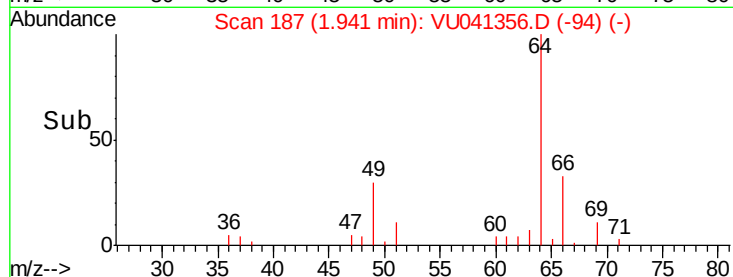
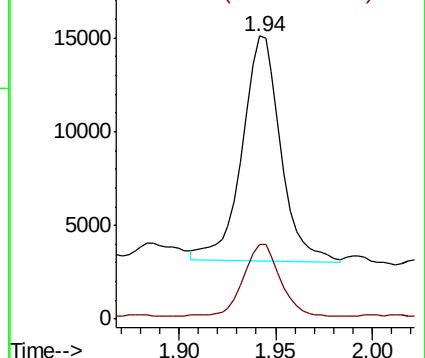
#8
Chloroethane
Concen: 4.684 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 64 Resp: 16622
Ion Ratio Lower Upper
64 100
66 26.6 22.3 41.5

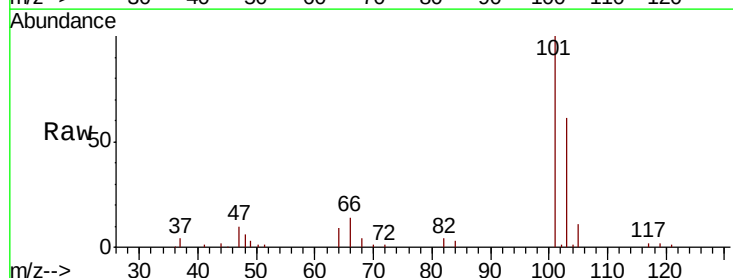


Abundance Ion 64.10 (63.80 to 64.80): VU041339.D (-177) (-)
Ion 66.05 (65.75 to 66.75): VU041339.D (-177) (-)

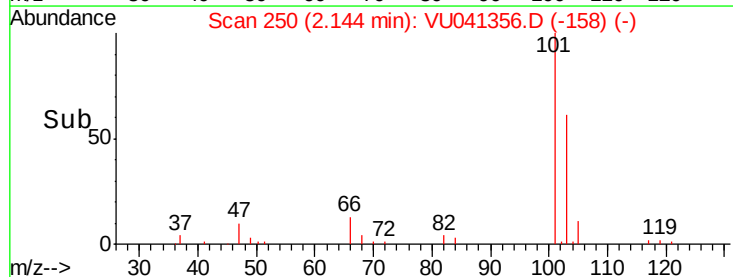
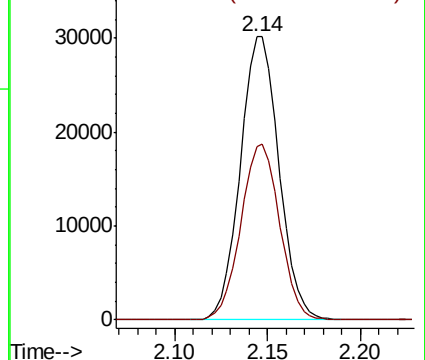


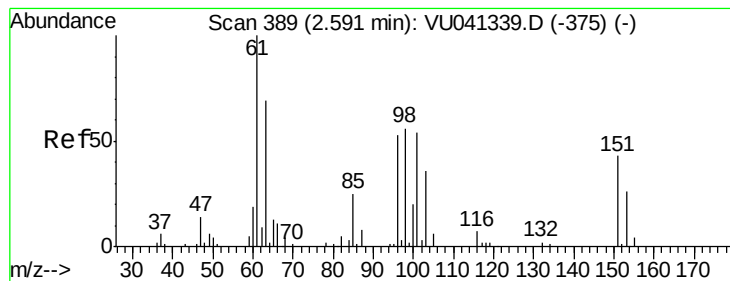
#9
Trichlorofluoromethane
Concen: 5.247 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Tgt Ion: 101 Resp: 43695
Ion Ratio Lower Upper
101 100
103 62.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041339.D (-240) (-)
Ion 103.00 (102.70 to 103.70): VU041339.D (-240) (-)





#10

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

Concen: 5.204 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

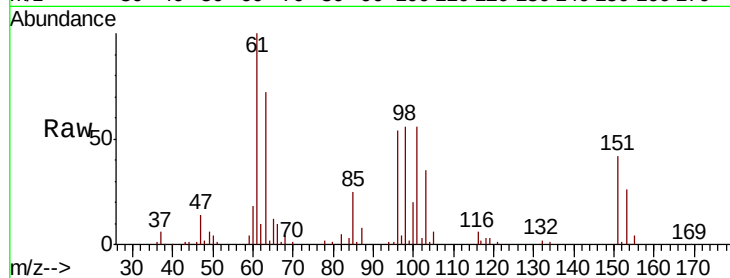
Tot Ion:101 Resp: 23606

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

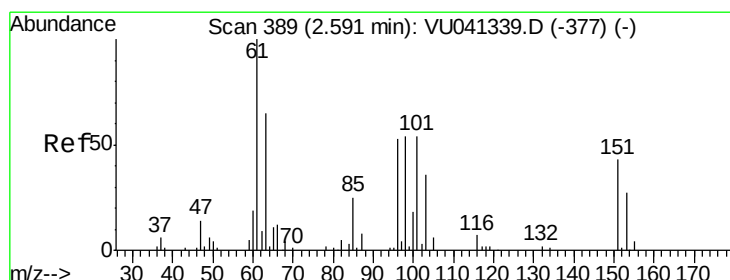
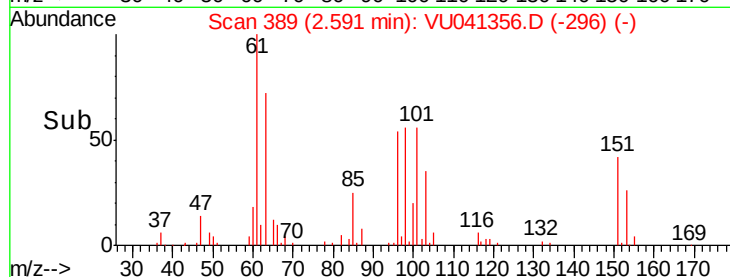
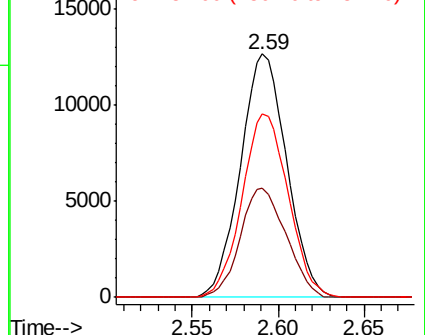
151 75.2 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): VU041339.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU041339.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU041339.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.819 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

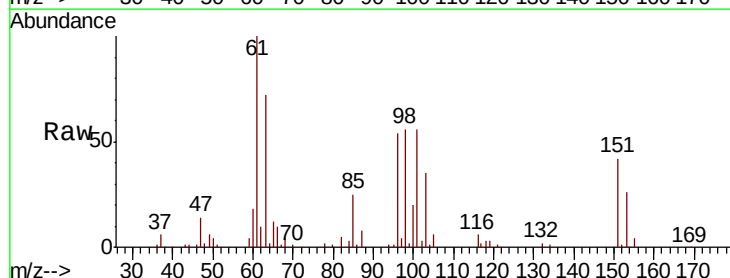
Tgt Ion: 96 Resp: 19321

Ion Ratio Lower Upper

96 100

61 186.2 134.3 249.5

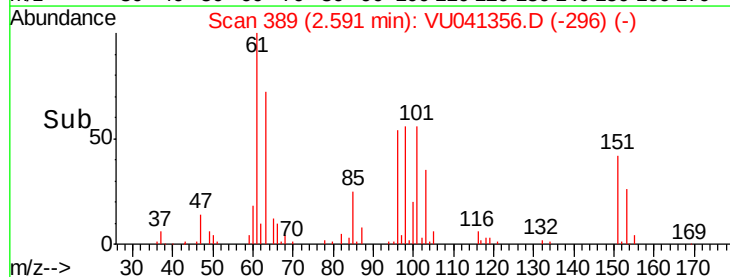
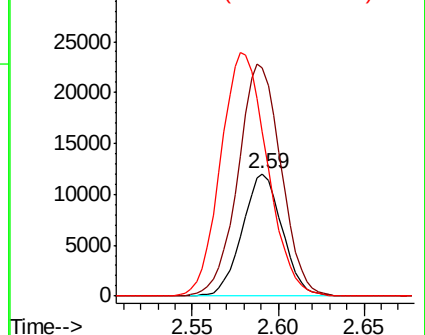
63 133.9 95.0 176.4

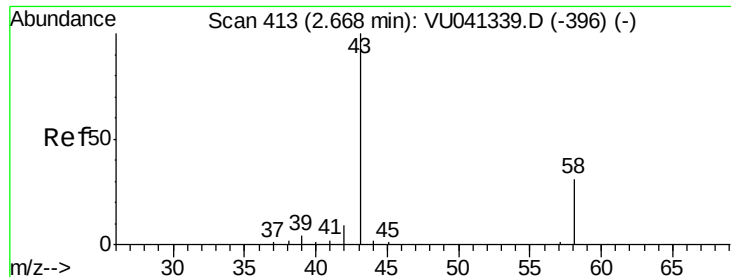


Abundance Ion 96.00 (95.70 to 96.70): VU041339.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU041339.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU041339.D (-377) (-)





#13

Acetone

Concen: 43.672 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

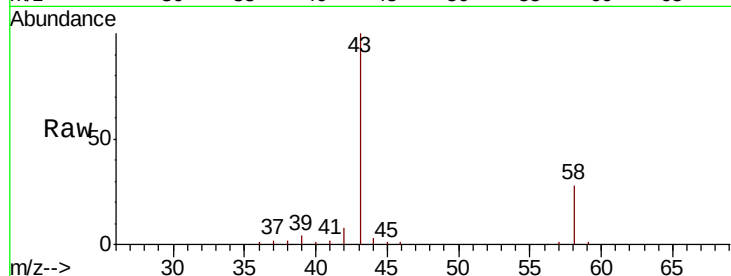
VSTD00530

Tot Ion: 43 Resp: 54114

Ion Ratio Lower Upper

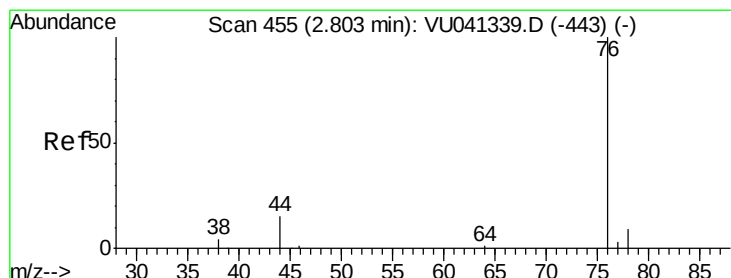
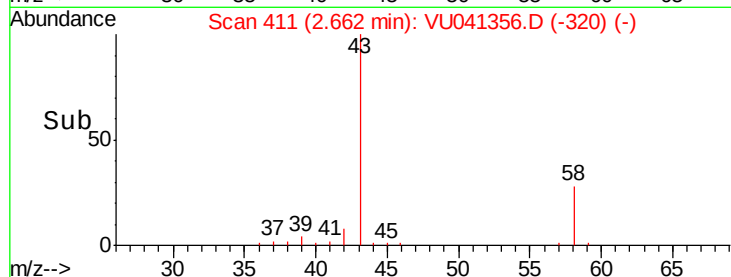
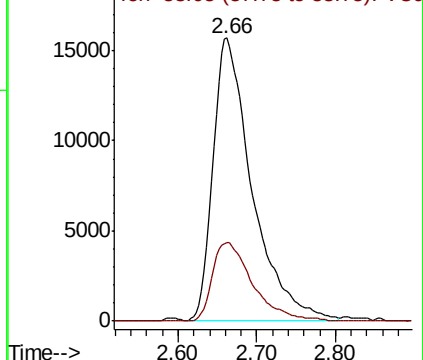
43 100

58 28.7 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.376 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041356.D

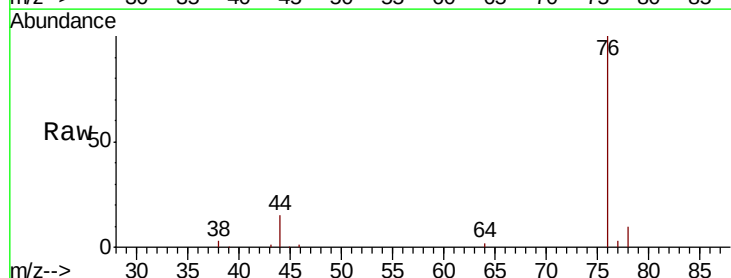
Acq: 19 Nov 2020 20:23

Tgt Ion: 76 Resp: 51627

Ion Ratio Lower Upper

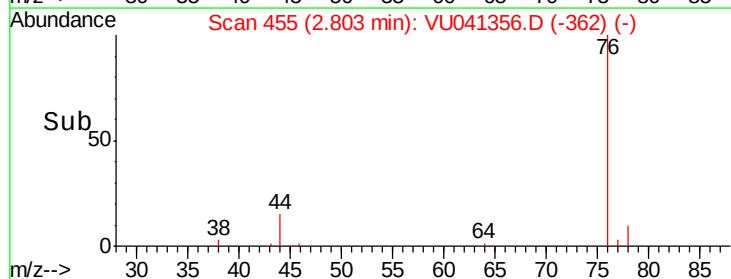
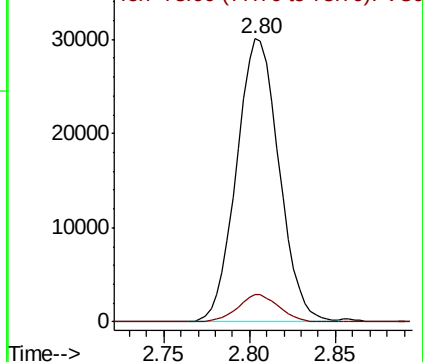
76 100

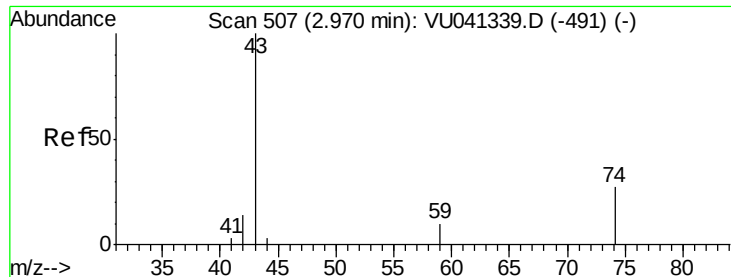
78 9.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

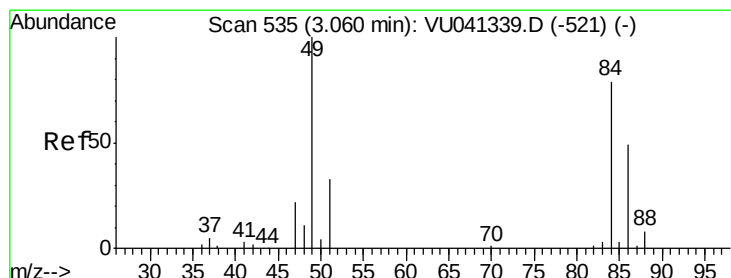
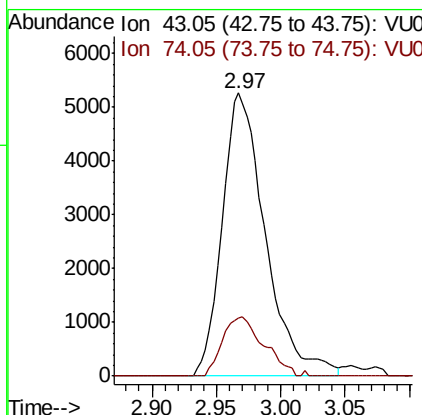
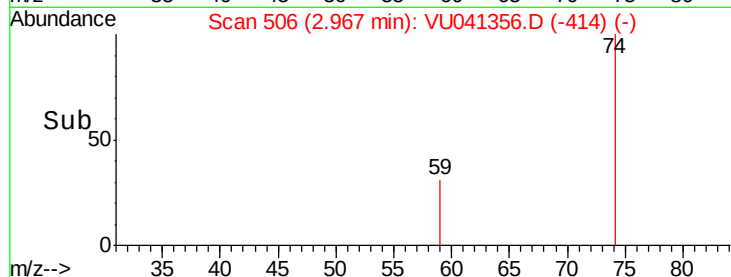
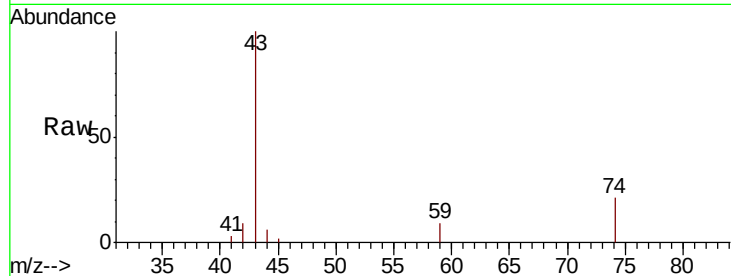




#15
Methyl Acetate
Concen: 4.762 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

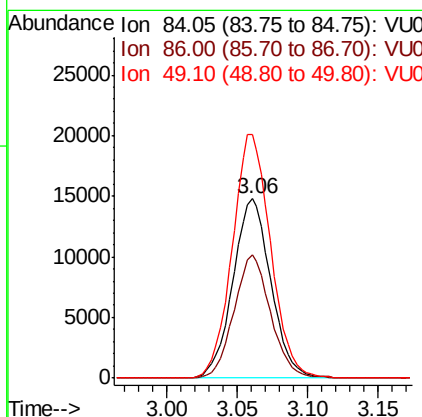
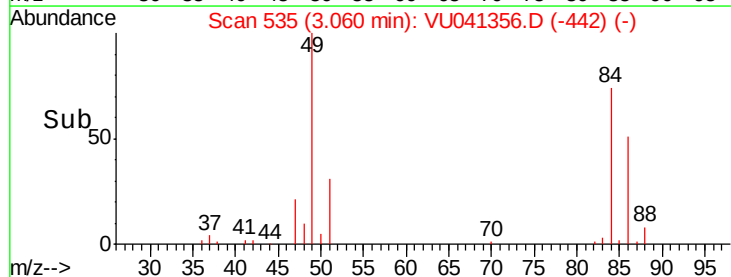
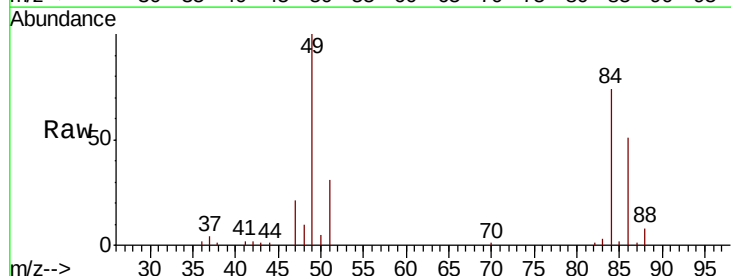
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

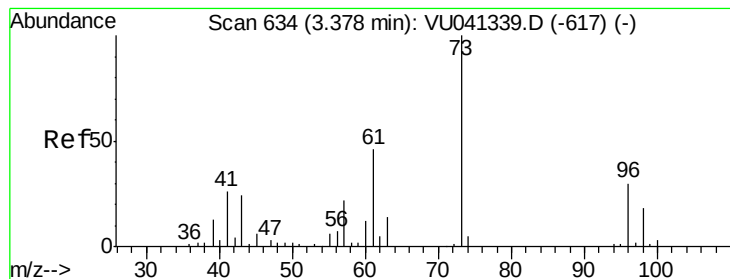
Tot Ion: 43 Resp: 12258
Ion Ratio Lower Upper
43 100
74 19.9 18.3 27.5



#16
Methylene chloride
Concen: 5.548 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Tgt Ion: 84 Resp: 27887
Ion Ratio Lower Upper
84 100
86 68.9 42.8 79.6
49 135.7 99.5 184.7



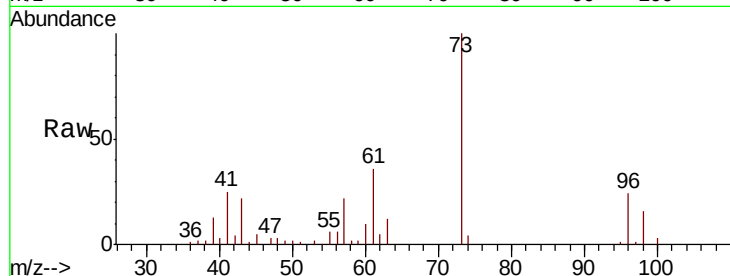


#17

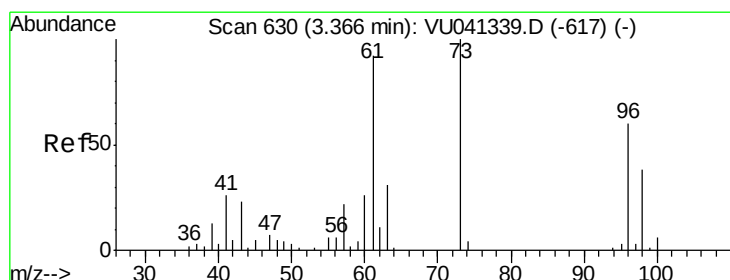
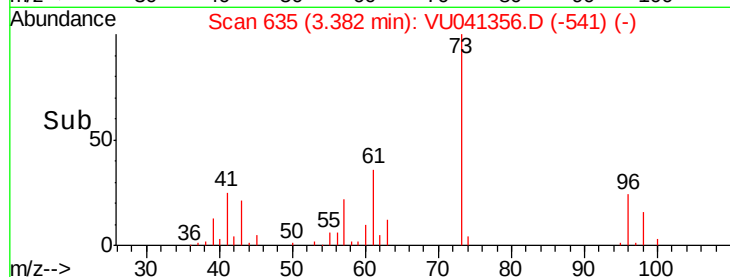
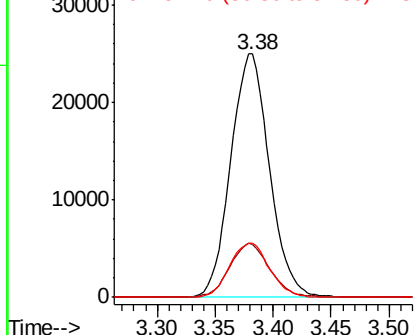
Methyl tert-butyl Ether
 Concen: 5.260 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 73 Resp: 57726
 Ion Ratio Lower Upper
 73 100
 43 22.9 18.5 27.7
 57 22.9 18.4 27.6



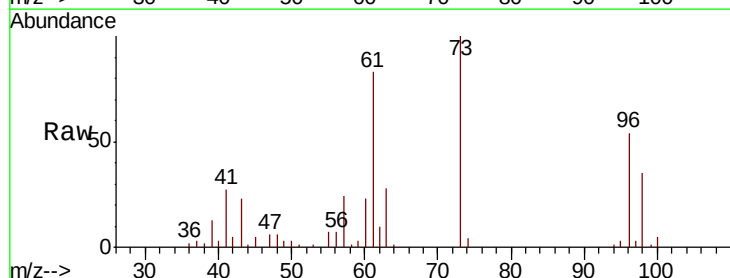
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



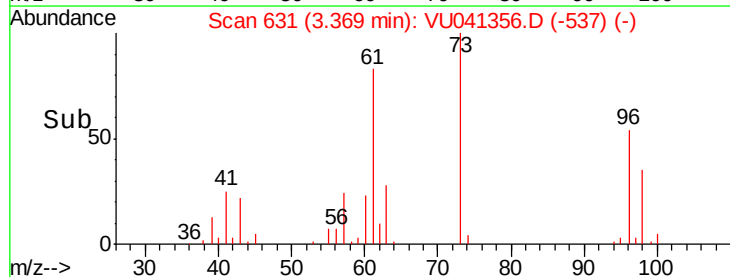
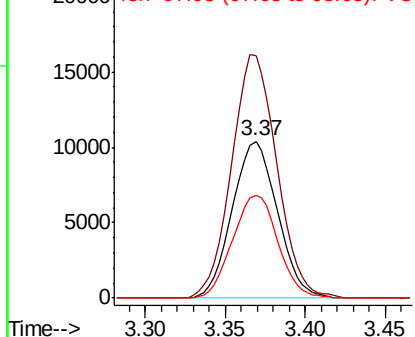
#18

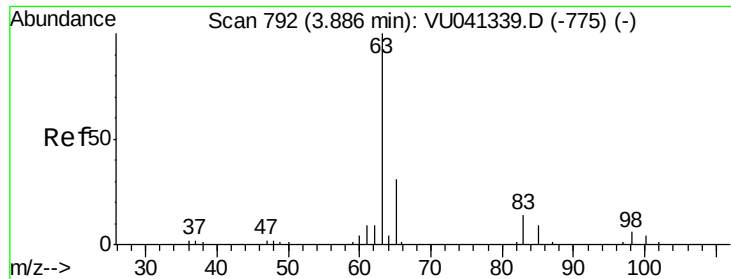
trans-1,2-Dichloroethene
 Concen: 5.141 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion: 96 Resp: 20074
 Ion Ratio Lower Upper
 96 100
 61 154.2 110.9 205.9
 98 65.4 45.4 84.2



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

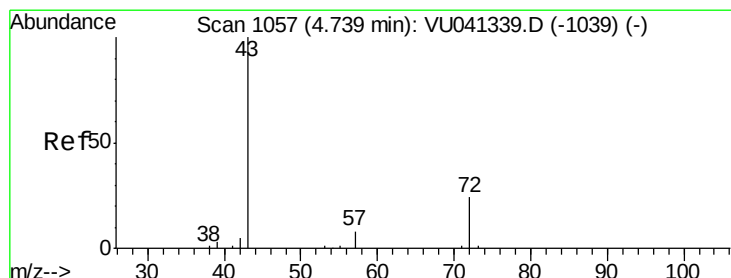
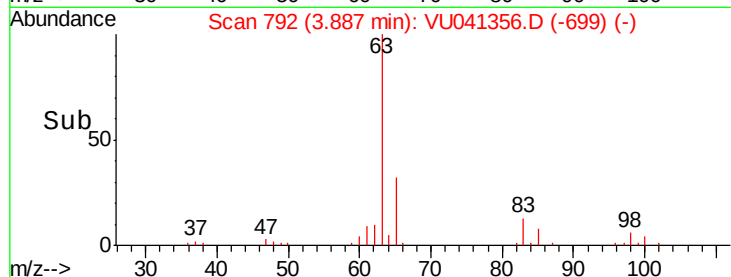
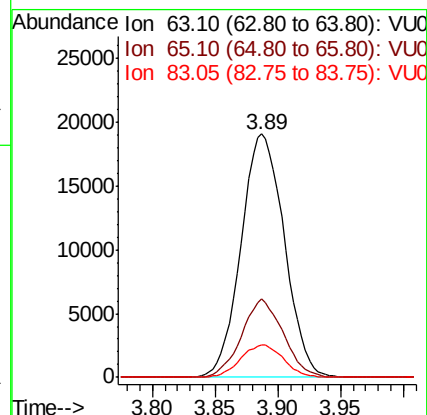
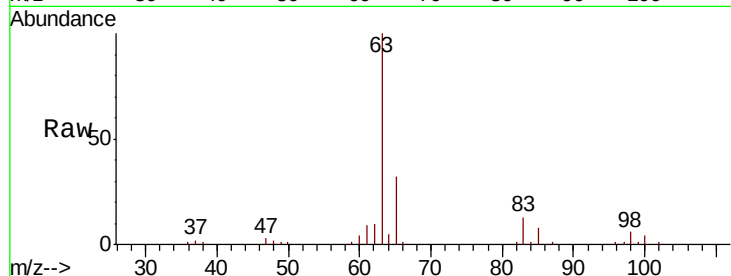




#19
 1,1-Dichloroethane
 Concen: 5.243 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

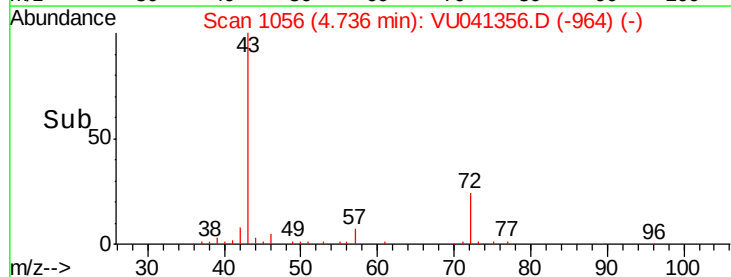
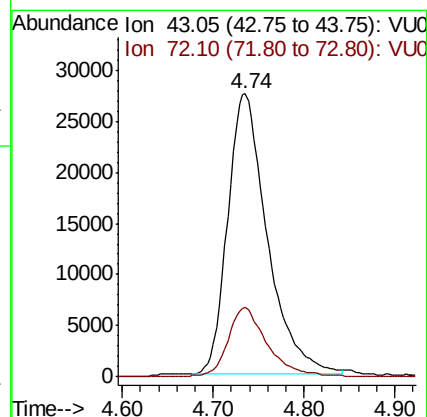
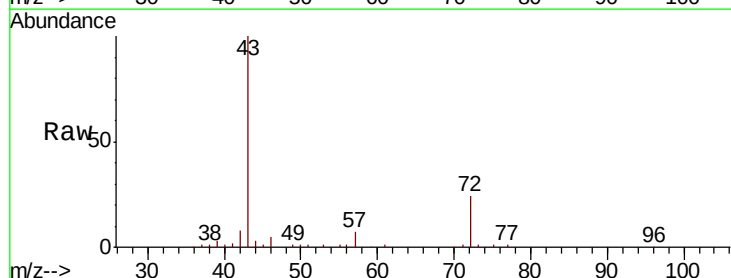
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

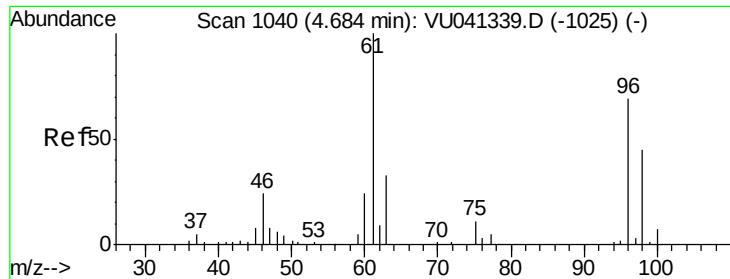
Tot Ion: 63 Resp: 45769
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.3 39.6
 83 13.5 8.8 16.3



#21
 2-Butanone
 Concen: 44.198 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion: 43 Resp: 83148
 Ion Ratio Lower Upper
 43 100
 72 24.4 11.8 35.4

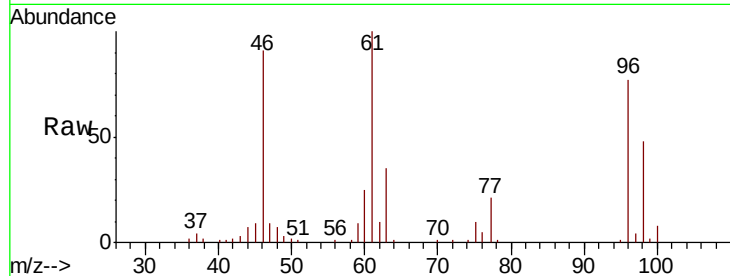




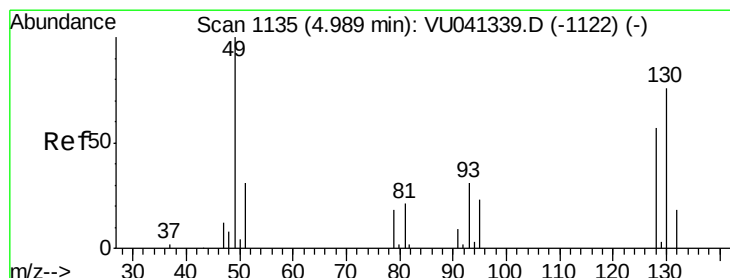
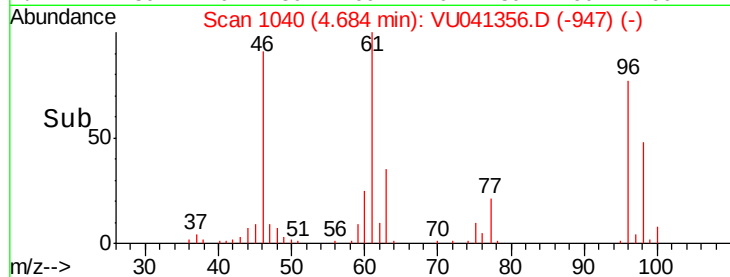
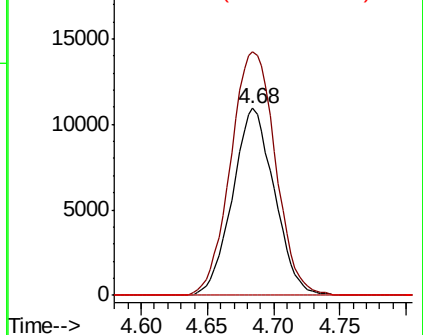
#22
 cis-1,2-Dichloroethene
 Concen: 5.451 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 96 Resp: 24036
 Ion Ratio Lower Upper
 96 100
 61 130.1 97.2 180.4
 68 0.0 0.0 0.0

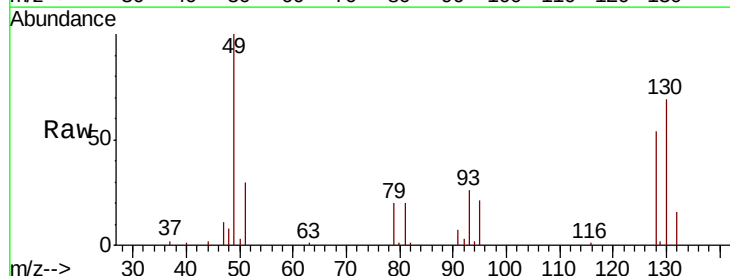


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

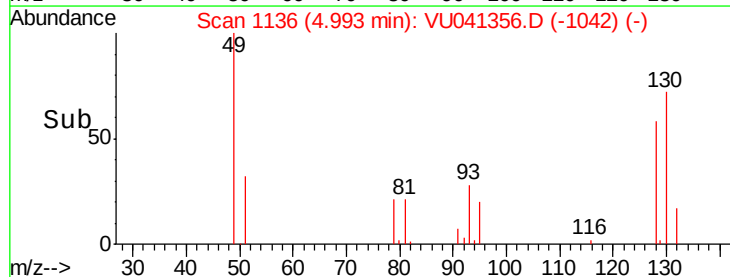
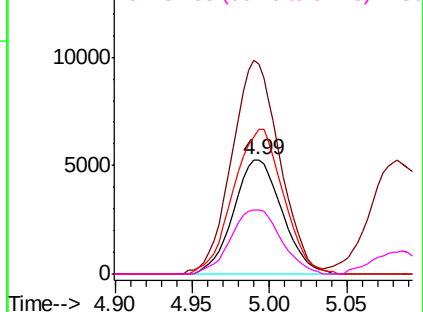


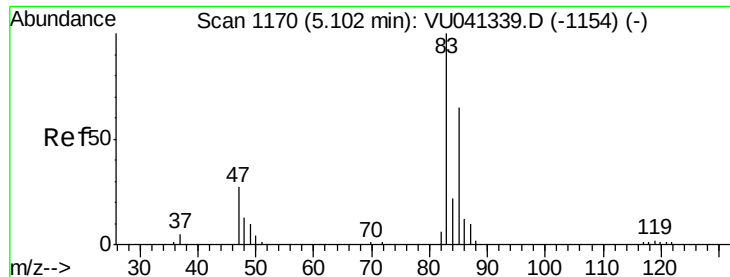
#23
 Bromochloromethane
 Concen: 5.250 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion: 128 Resp: 11478
 Ion Ratio Lower Upper
 128 100
 49 183.6 135.0 250.8
 130 126.0 89.9 167.0
 51 55.9 51.9 77.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

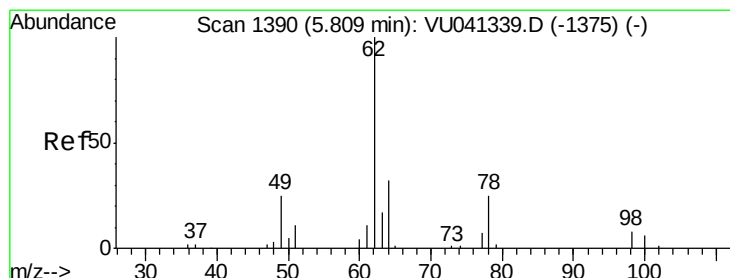
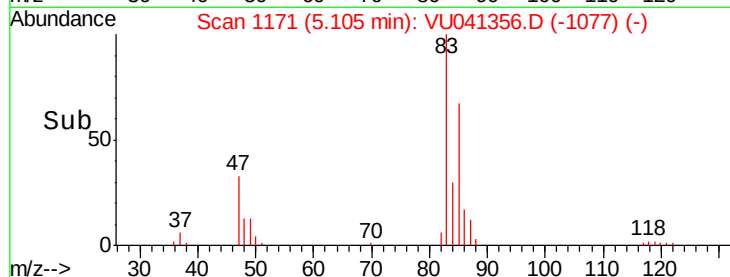
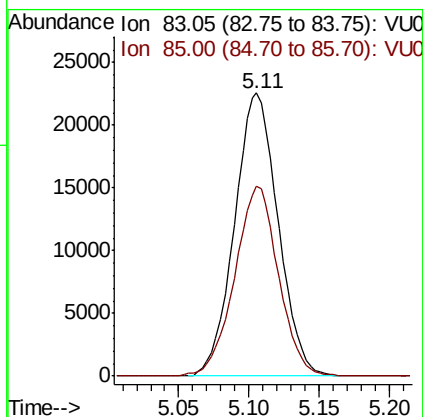
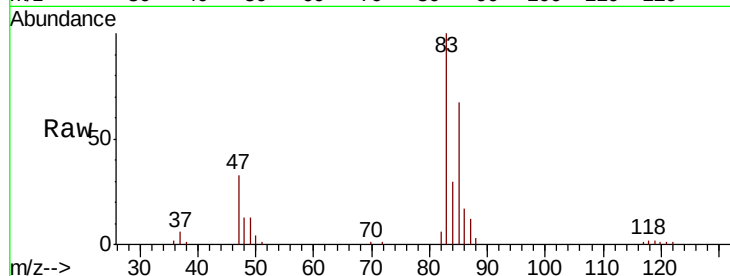




#25
Chloroform
Concen: 5.143 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

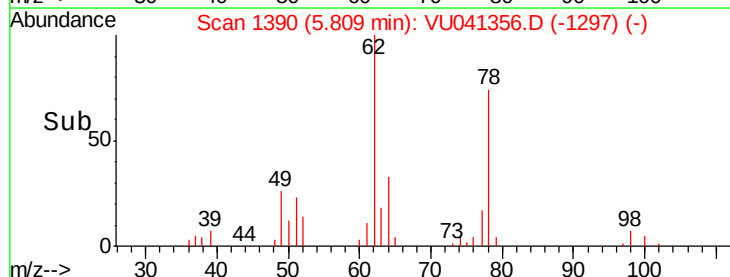
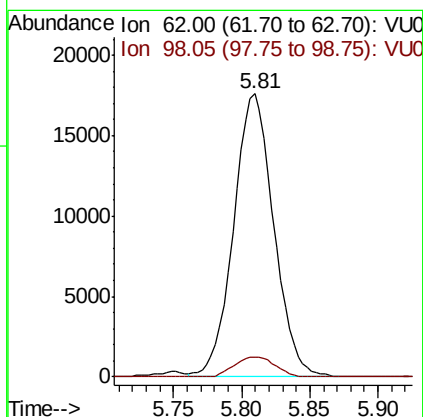
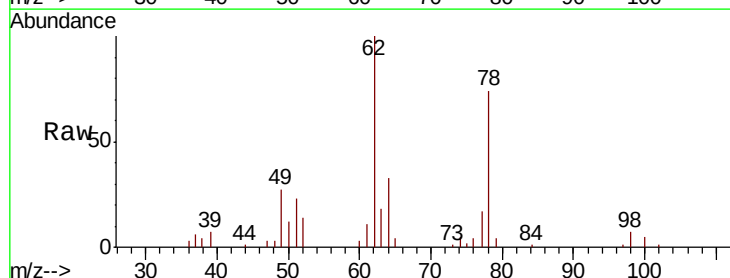
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

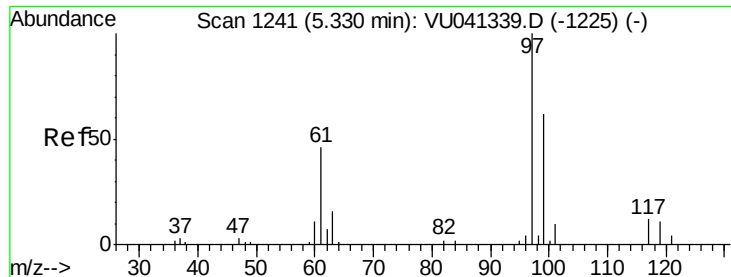
Tot Ion: 83 Resp: 48685
Ion Ratio Lower Upper
83 100
85 67.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.286 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Tgt Ion: 62 Resp: 35977
Ion Ratio Lower Upper
62 100
98 6.9 7.6 11.4#

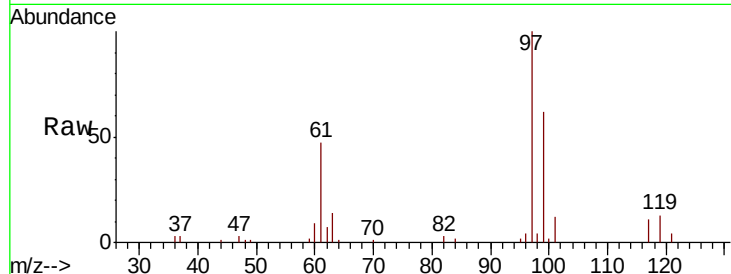




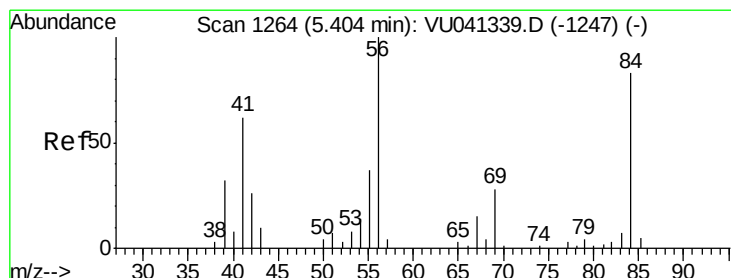
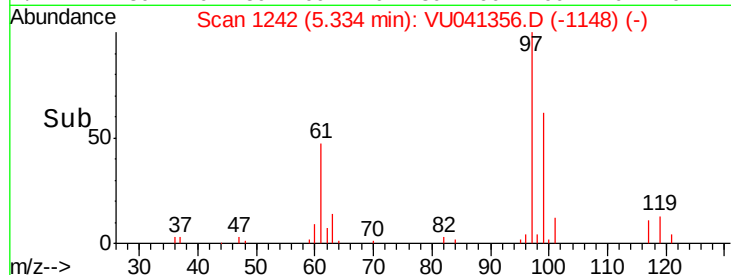
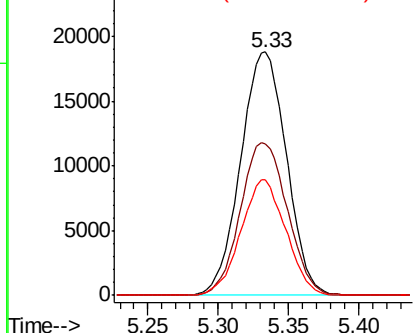
#29
1,1,1-Trichloroethane
Concen: 5.630 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 97 Resp: 42701
Ion Ratio Lower Upper
97 100
99 64.3 53.4 80.0
61 46.6 41.6 62.4

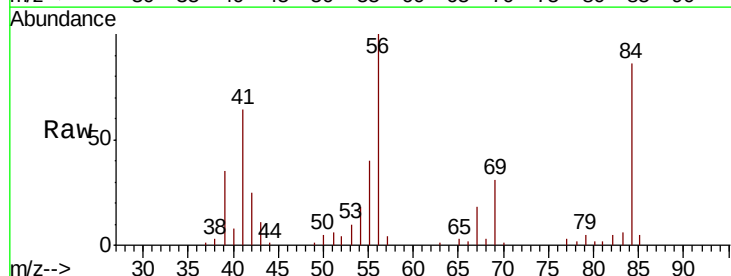


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

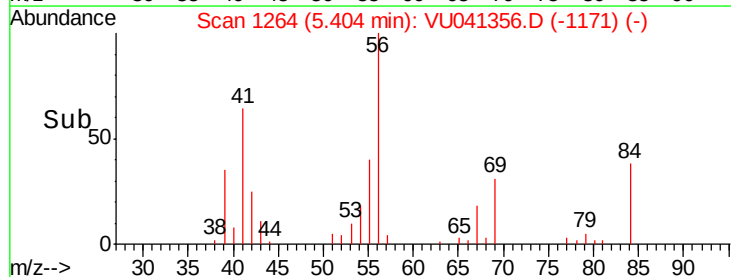
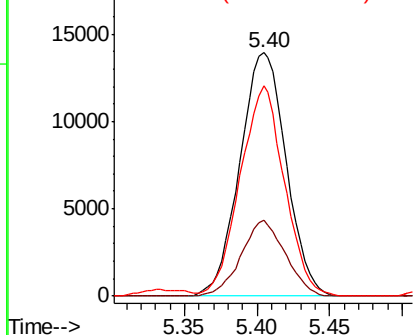


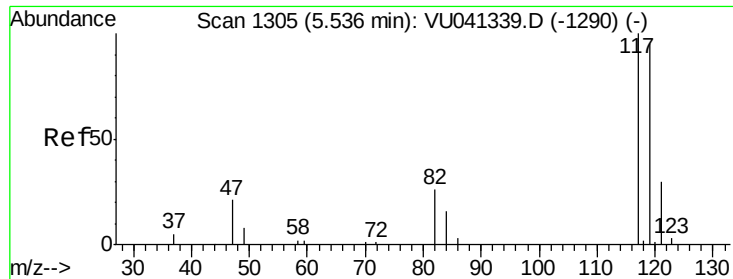
#30
Cyclohexane
Concen: 4.938 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Tgt Ion: 56 Resp: 30946
Ion Ratio Lower Upper
56 100
69 29.6 22.8 34.2
84 82.8 63.6 95.4



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: 5.579 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

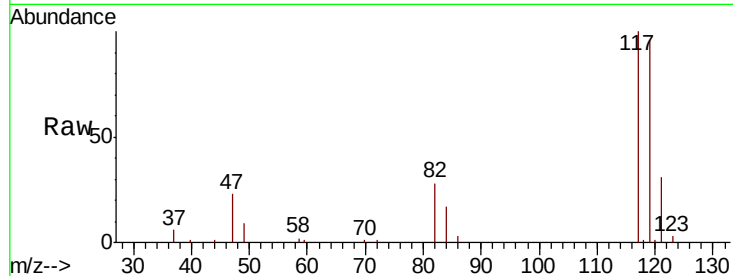
VSTD00530

Tot Ion:117 Resp: 36693

Ion Ratio Lower Upper

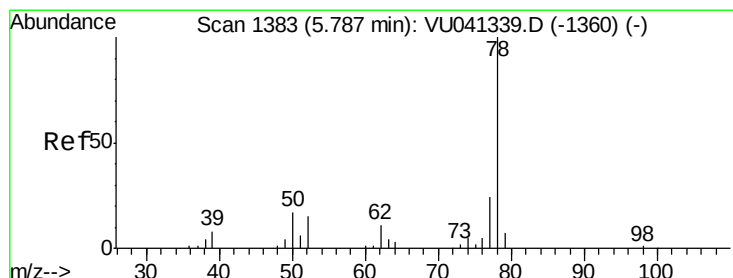
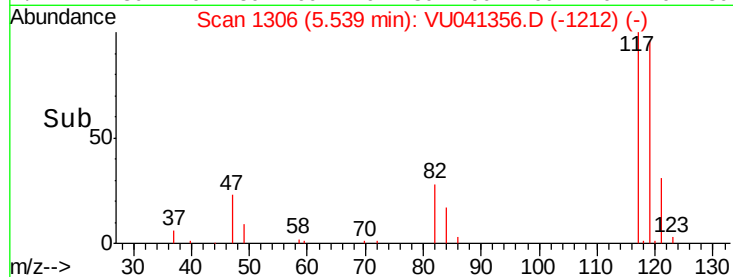
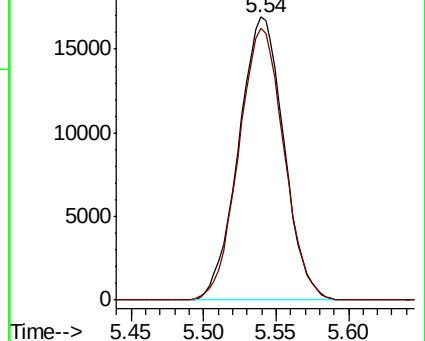
117 100

119 96.1 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.622 ug/L

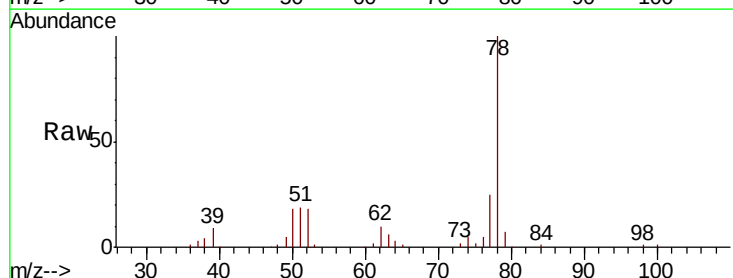
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

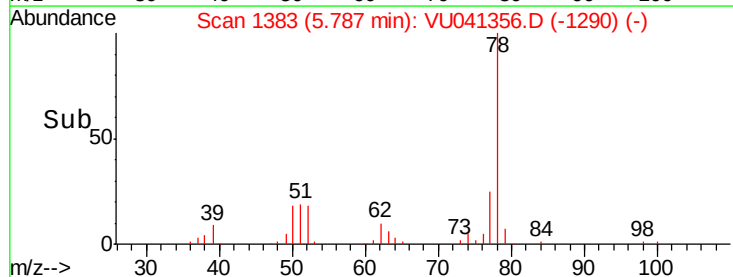
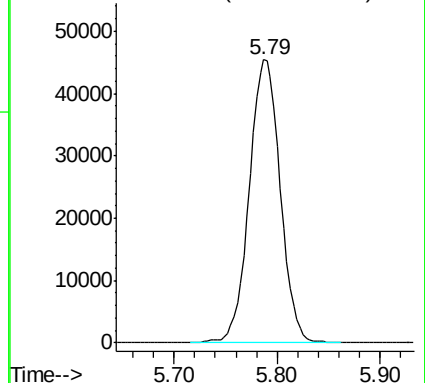
Lab File: VU041356.D

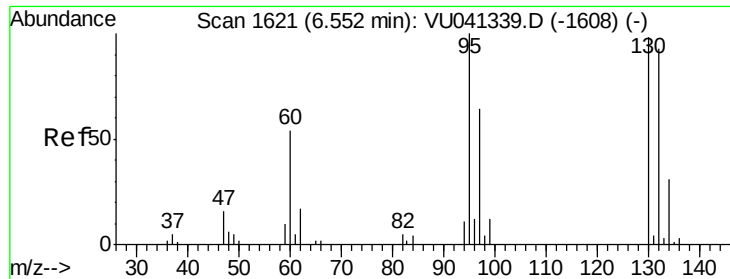
Acq: 19 Nov 2020 20:23

Tgt Ion: 78 Resp: 94538



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.137 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 95 Resp: 23347

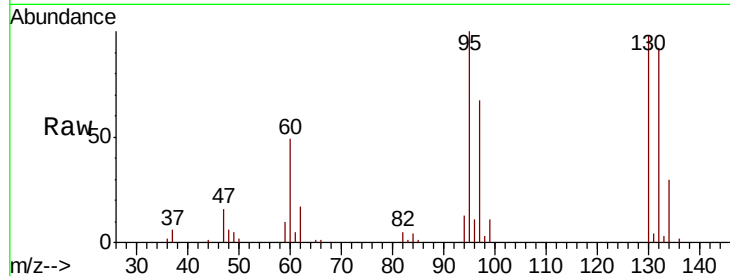
Ion Ratio Lower Upper

95 100

97 66.5 45.6 84.6

132 92.0 64.8 120.4

130 97.9 64.8 120.4



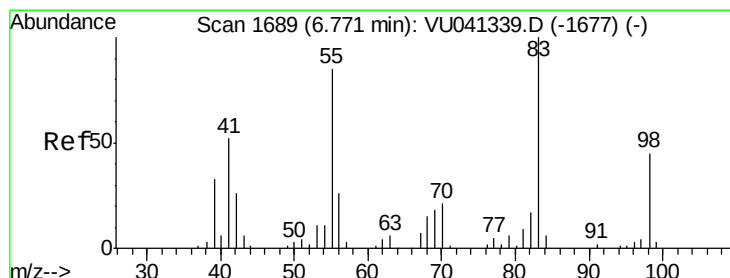
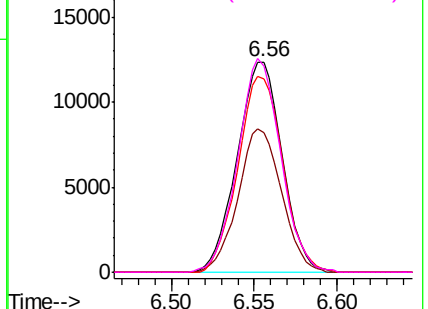
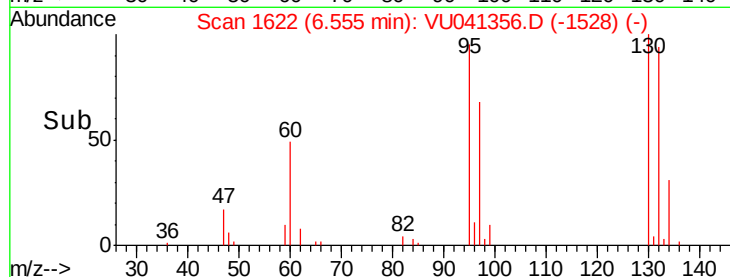
Abundance

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: 5.169 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

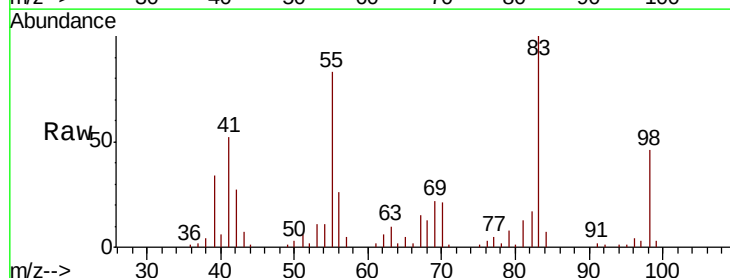
Tgt Ion: 83 Resp: 31210

Ion Ratio Lower Upper

83 100

55 86.7 72.0 108.0

98 44.1 36.6 55.0

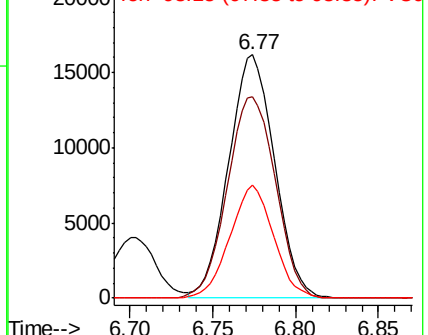
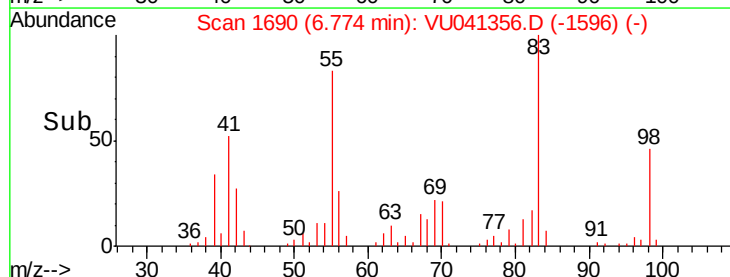


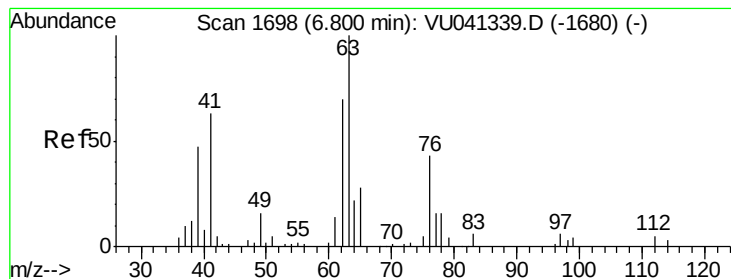
Abundance

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: 5.482 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

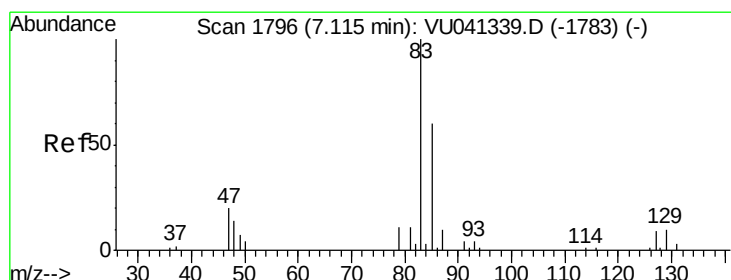
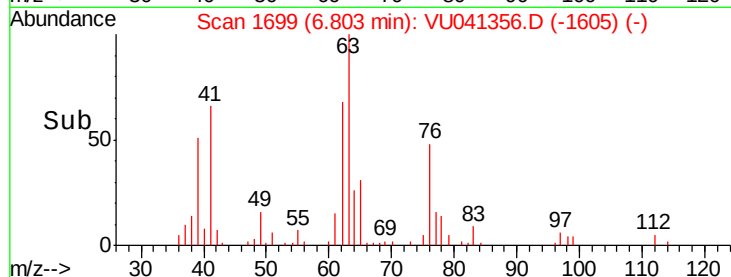
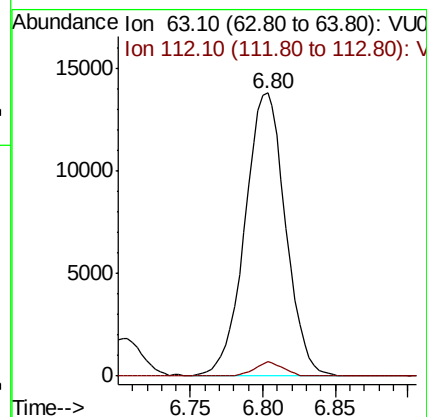
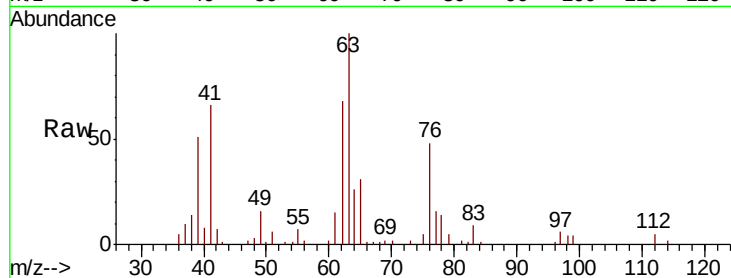
VSTD00530

Tot Ion: 63 Resp: 26946

Ion Ratio Lower Upper

63 100

112 3.6 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.593 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

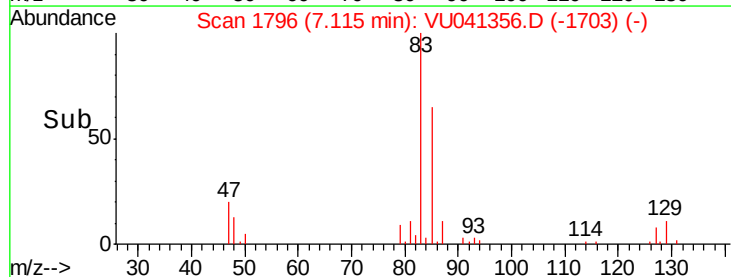
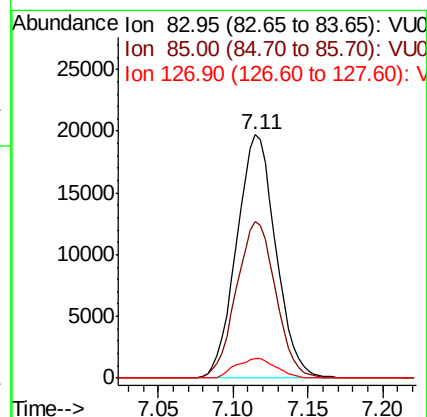
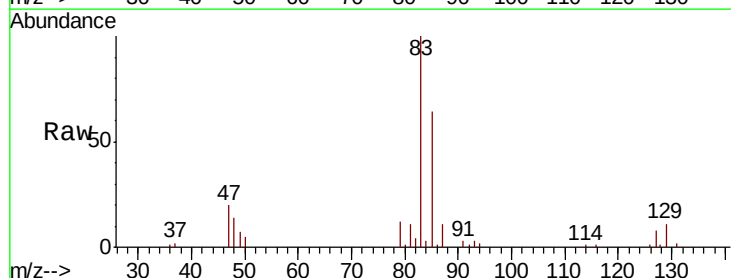
Tgt Ion: 83 Resp: 35934

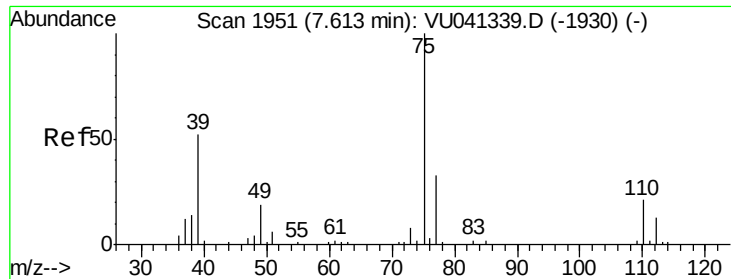
Ion Ratio Lower Upper

83 100

85 64.5 43.3 80.3

127 8.3 5.9 8.9

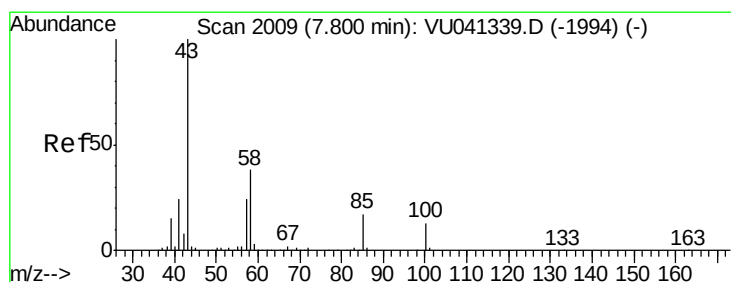
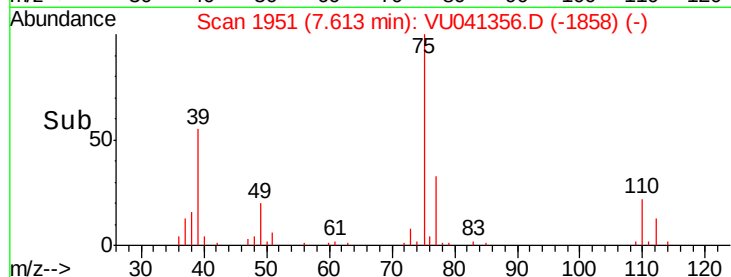
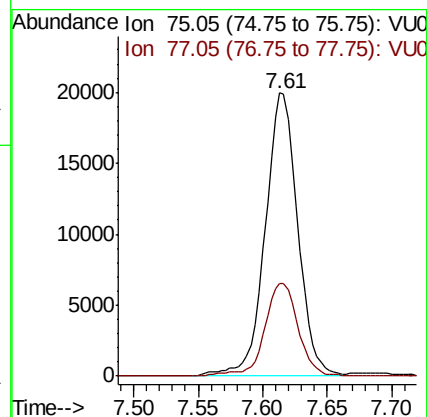
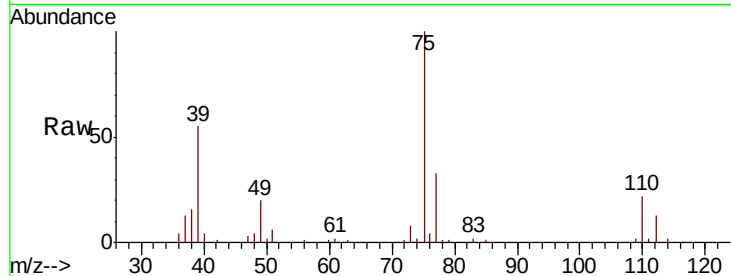




#39
 cis-1,3-Dichloropropene
 Concen: 5.125 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

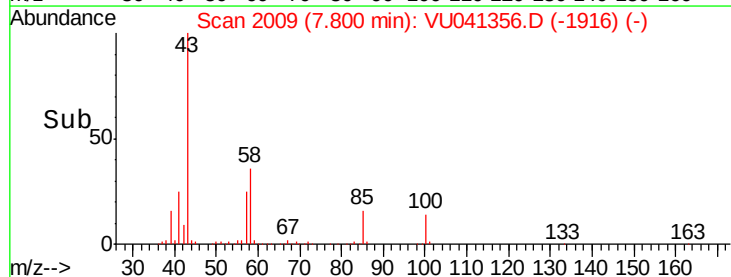
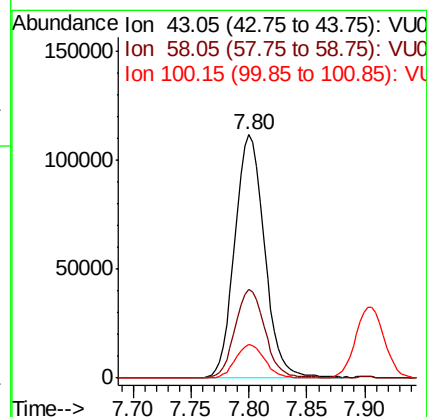
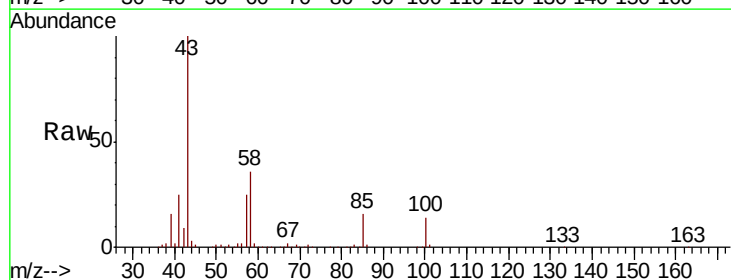
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

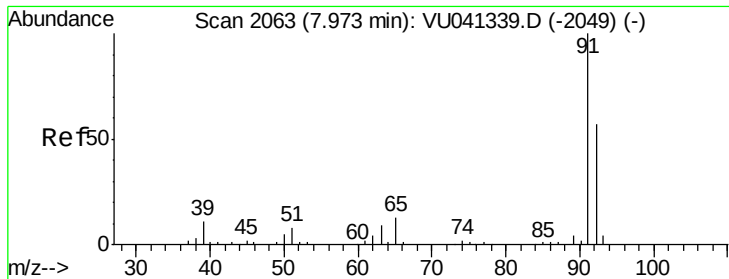
Tot Ion: 75 Resp: 35136
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 49.037 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion: 43 Resp: 199476
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.8 44.6
 100 13.5 10.5 15.7





#42

Toluene

Concen: 5.528 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

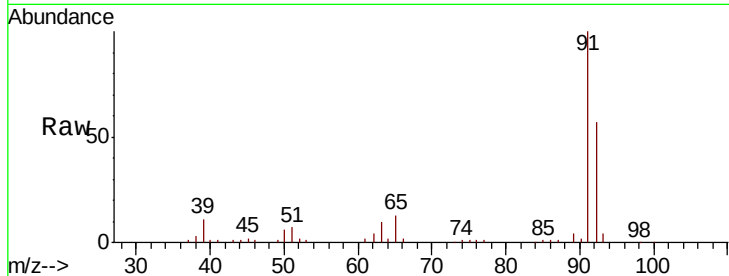
VSTD00530

Tot Ion: 91 Resp: 99343

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041339.D (-2049) (-)

60000

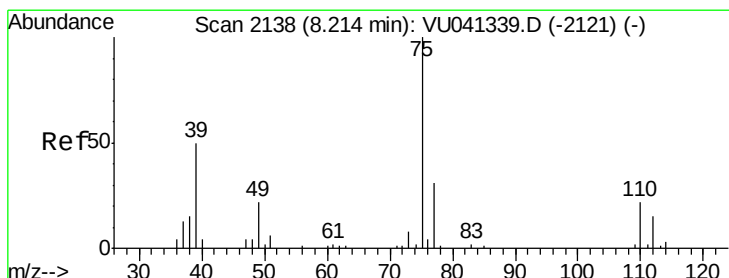
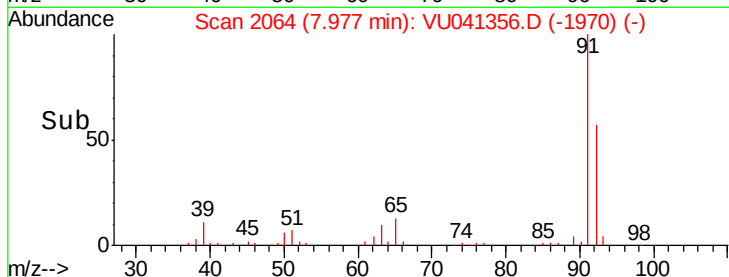
7.98

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.294 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041356.D

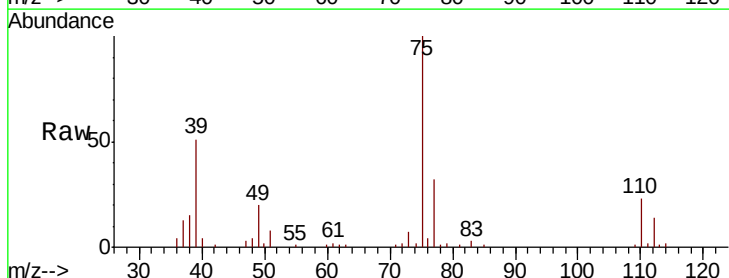
Acq: 19 Nov 2020 20:23

Tgt Ion: 75 Resp: 34333

Ion Ratio Lower Upper

75 100

77 32.2 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041339.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041339.D (-2121) (-)

20000

8.21

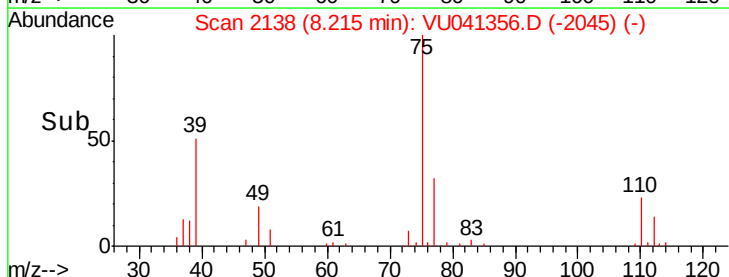
15000

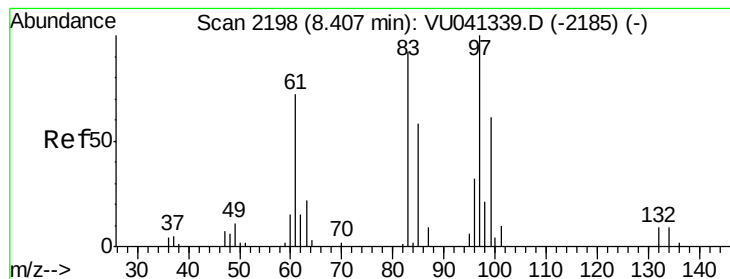
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.262 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 97 Resp: 20002

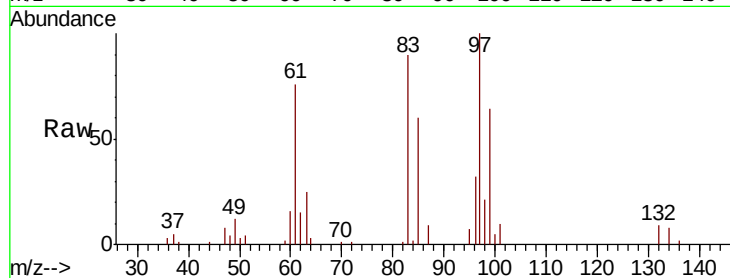
Ion Ratio Lower Upper

97 100

99 64.3 45.8 85.2

83 90.3 67.9 126.1

85 60.0 42.8 79.6

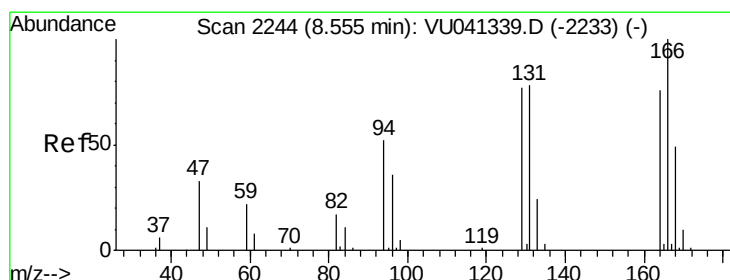
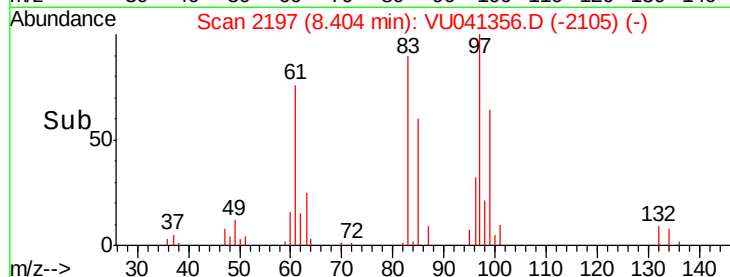
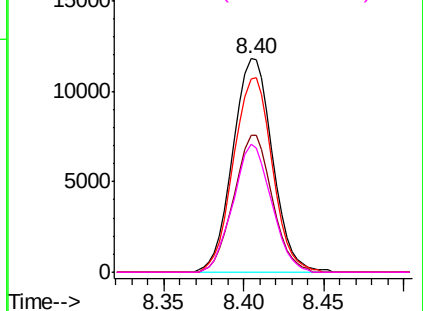


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.231 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Tgt Ion:164 Resp: 17569

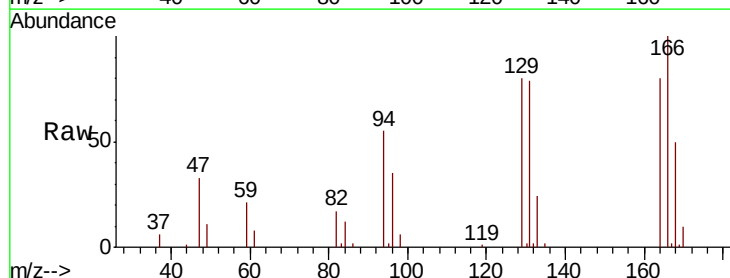
Ion Ratio Lower Upper

164 100

129 99.5 70.3 130.7

131 98.6 70.8 131.4

166 125.0 92.0 170.8

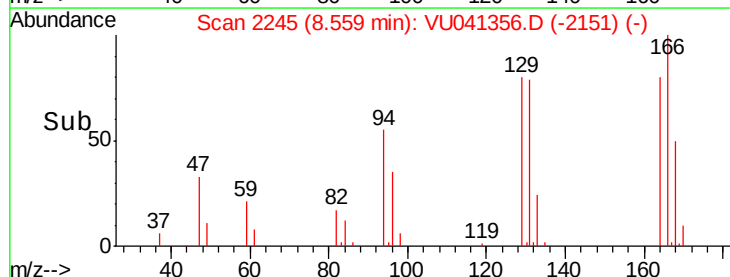
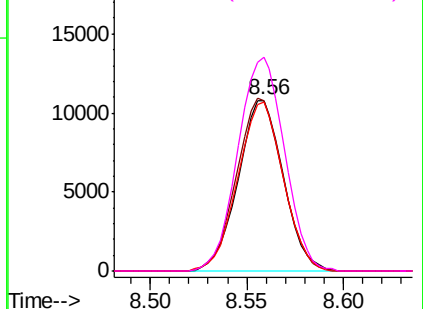


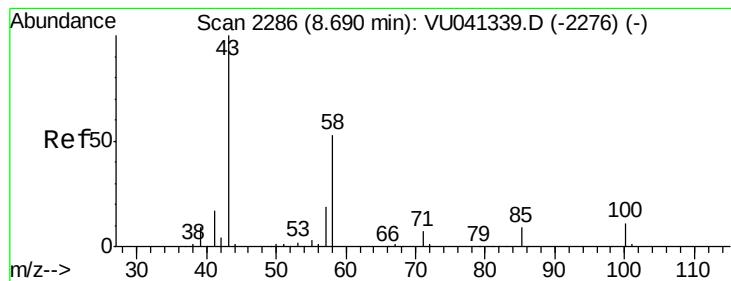
Abundance Ion 163.90 (163.60 to 164.60): V

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: 49.674 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 43 Resp: 150841

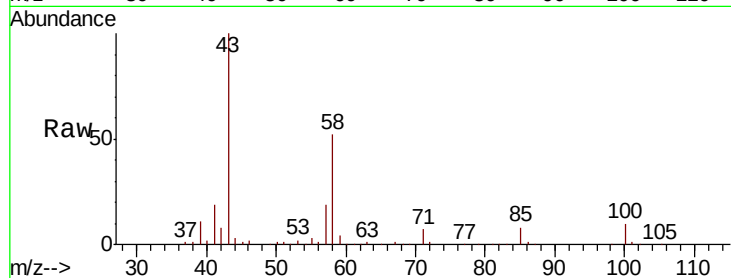
Ion Ratio Lower Upper

43 100

58 51.8 41.4 62.2

57 19.1 14.6 21.8

100 10.1 8.3 12.5

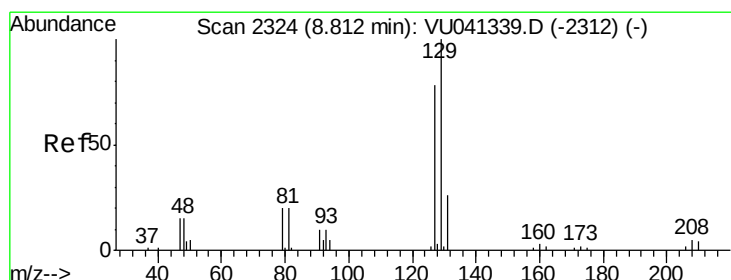
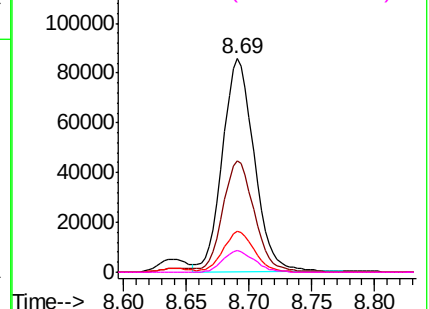
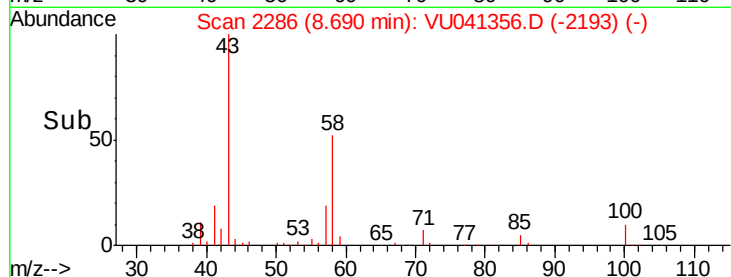


Abundance Ion 43.05 (42.75 to 43.75): VU041339.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU041339.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU041339.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU041339.D (-2276) (-)



#49

Dibromochloromethane

Concen: 5.378 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041356.D

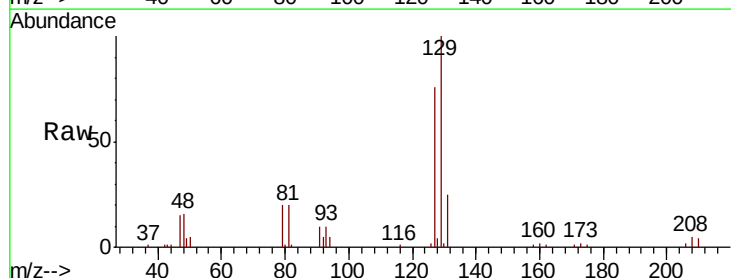
Acq: 19 Nov 2020 20:23

Tgt Ion: 129 Resp: 24229

Ion Ratio Lower Upper

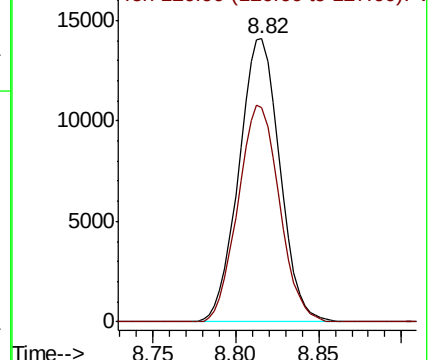
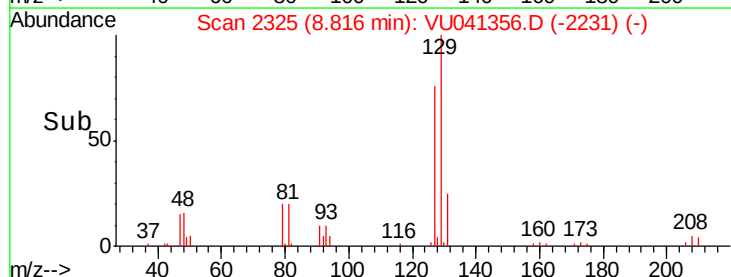
129 100

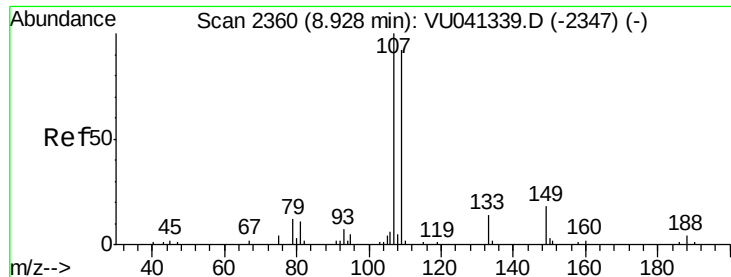
127 75.9 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041339.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU041339.D (-2312) (-)

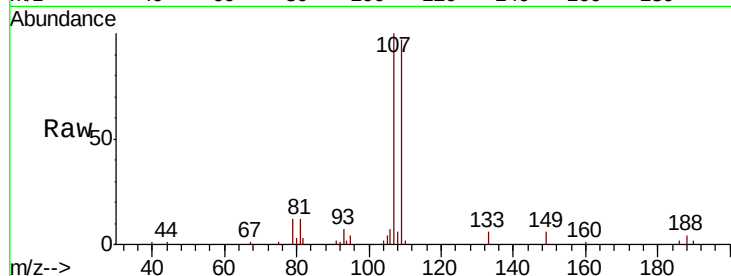




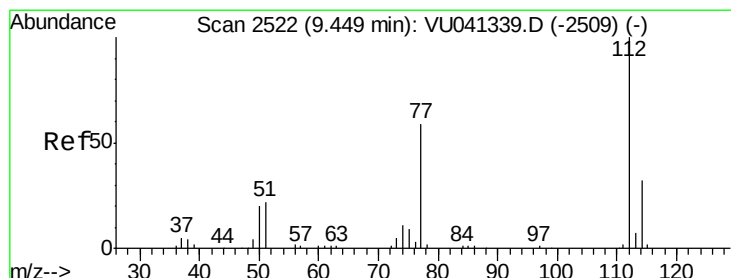
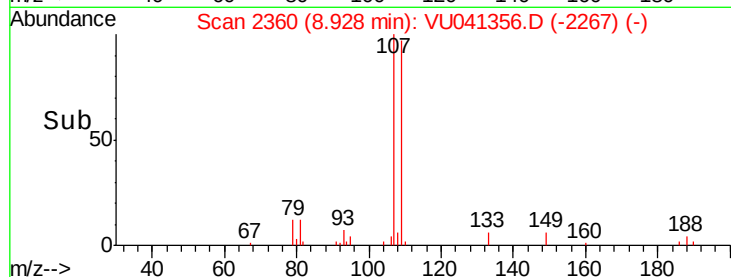
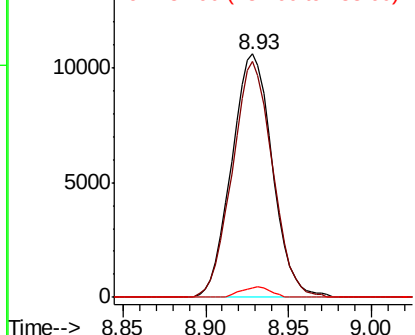
#50
 1,2-Dibromoethane
 Concen: 5.149 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	65.6	121.8
188	3.8	2.9	4.3

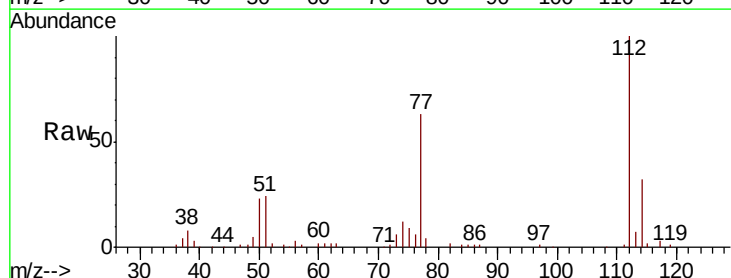


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

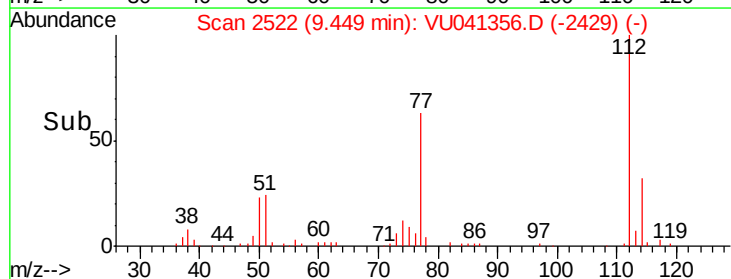
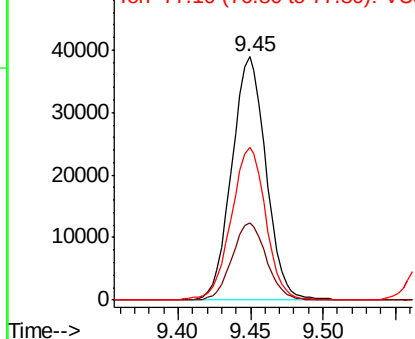


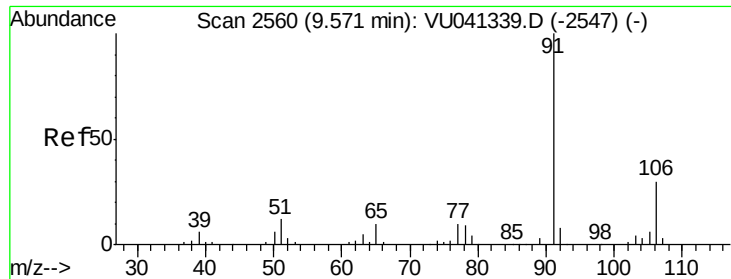
#51
 Chlorobenzene
 Concen: 5.359 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	63.0	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): V





#52

Ethylbenzene

Concen: 5.335 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

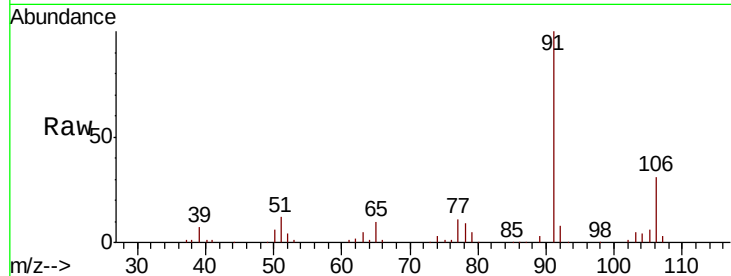
VSTD00530

Tot Ion: 91 Resp: 102384

Ion Ratio Lower Upper

91 100

106 30.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041339.D (-2547) (-)

9.57

60000

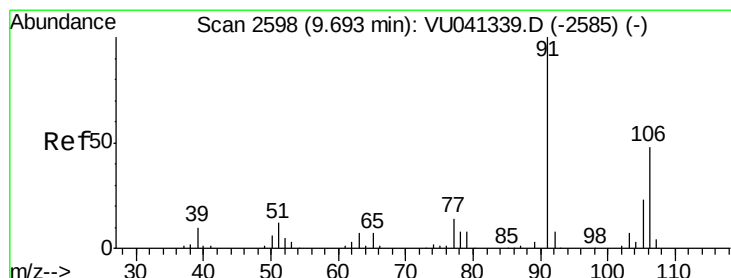
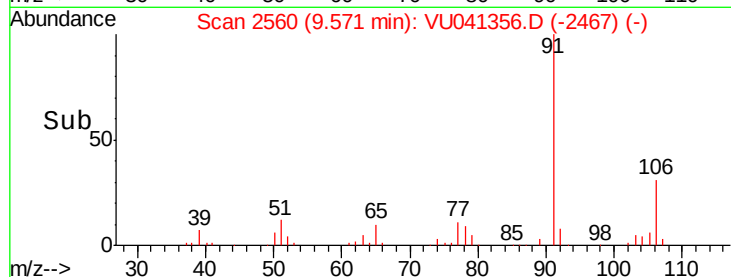
40000

20000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 5.609 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041356.D

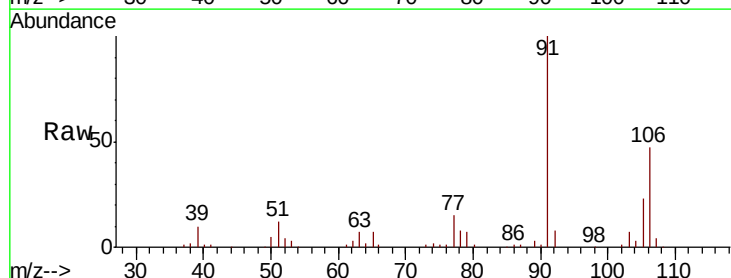
Acq: 19 Nov 2020 20:23

Tgt Ion: 106 Resp: 38903

Ion Ratio Lower Upper

106 100

91 211.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041339.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041339.D (-2585) (-)

9.69

50000

40000

30000

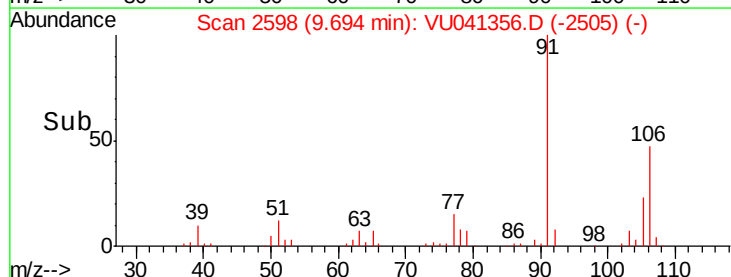
20000

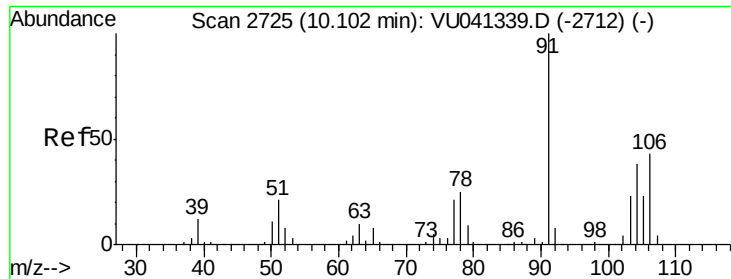
10000

0

Time-->

9.65 9.70 9.75

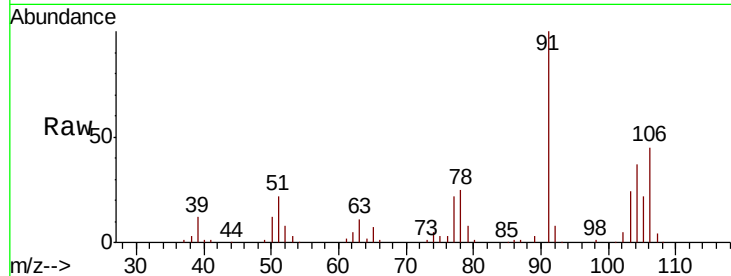




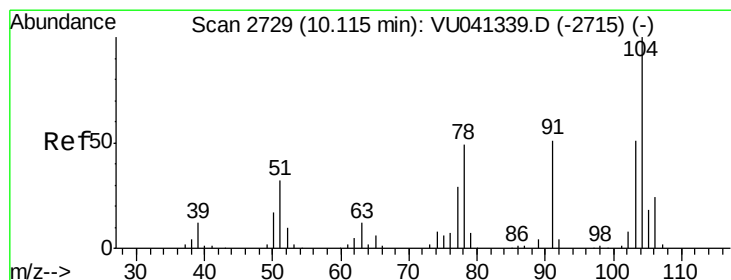
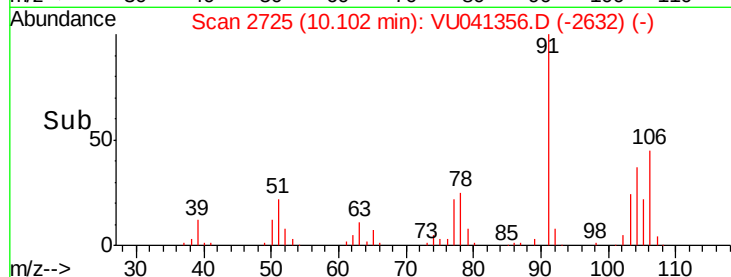
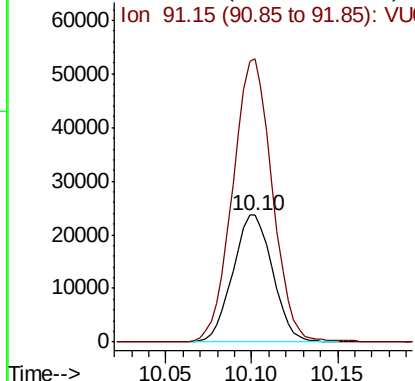
#54
o-Xylene
Concen: 5.708 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 38136
Ion Ratio Lower Upper
106 100
91 222.9 154.3 286.5

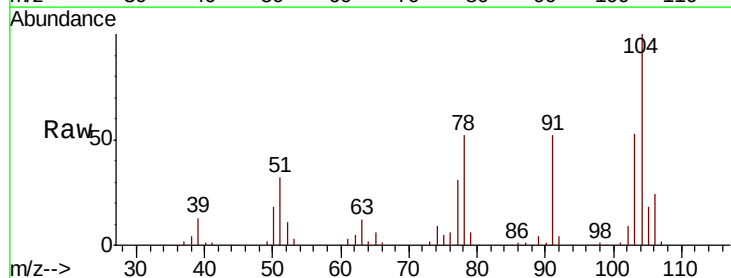


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

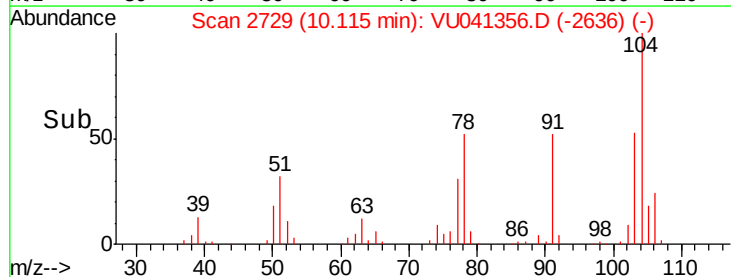
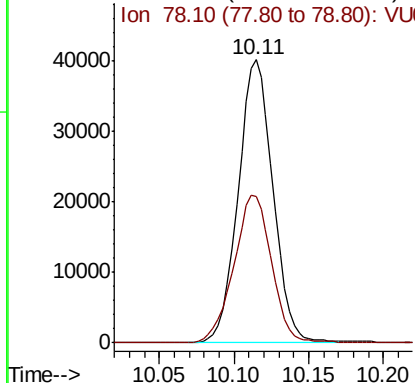


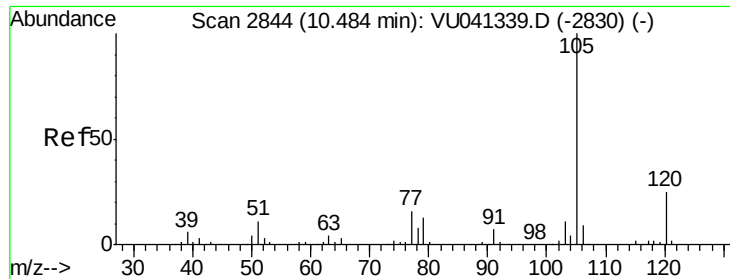
#55
Styrene
Concen: 5.495 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041356.D
Acq: 19 Nov 2020 20:23

Tgt Ion:104 Resp: 65012
Ion Ratio Lower Upper
104 100
78 51.8 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.809 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

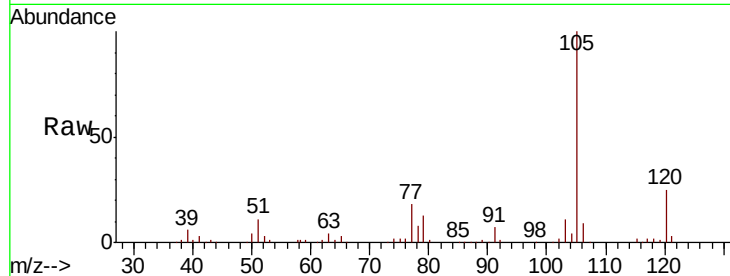
Tot Ion:105 Resp: 102802

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

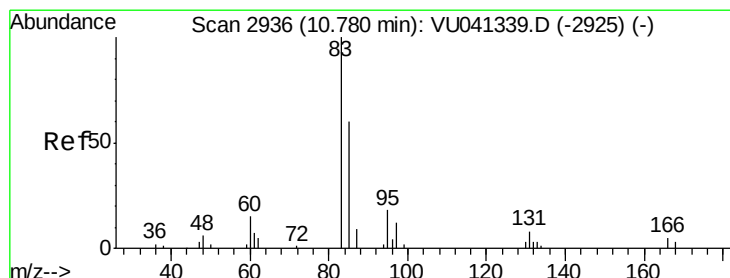
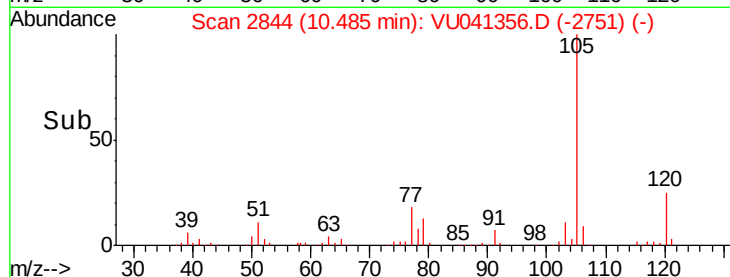
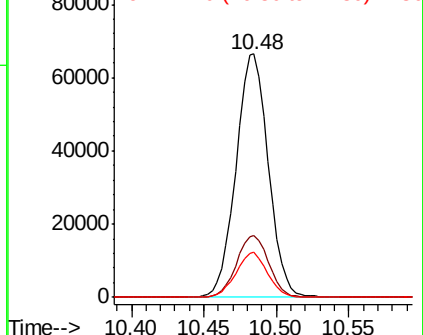
77 18.1 13.8 20.6



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: 5.420 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

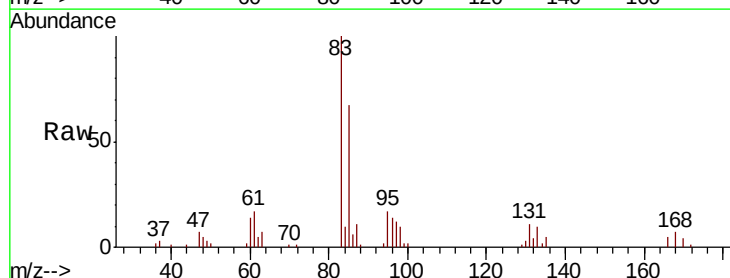
Tgt Ion: 83 Resp: 26933

Ion Ratio Lower Upper

83 100

85 67.1 44.4 82.4

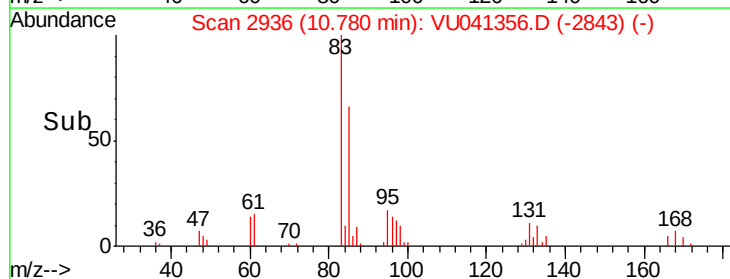
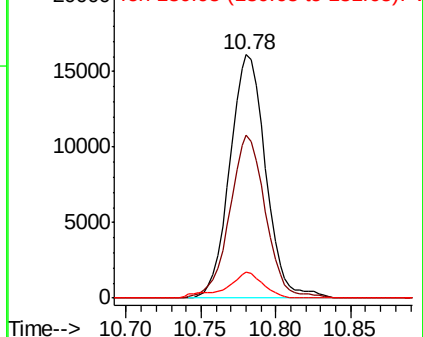
131 10.6 7.7 11.5

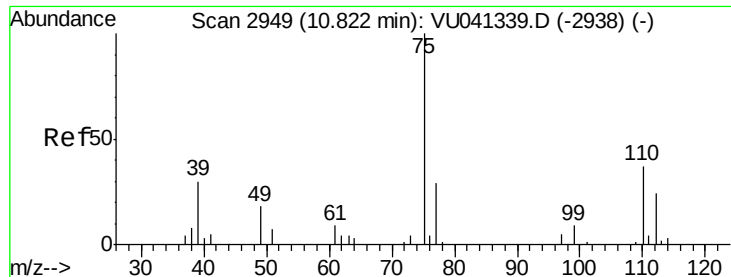


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.004 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

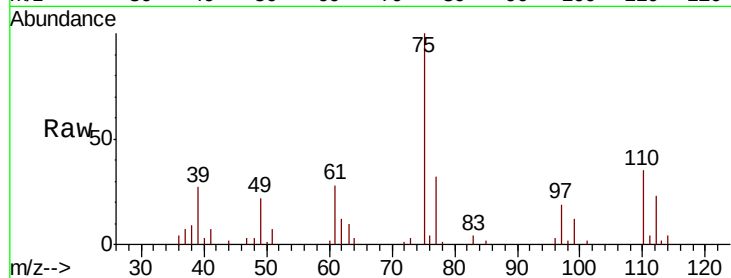
VSTD00530

Tot Ion: 75 Resp: 19399

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041339.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU041339.D (-2938) (-)

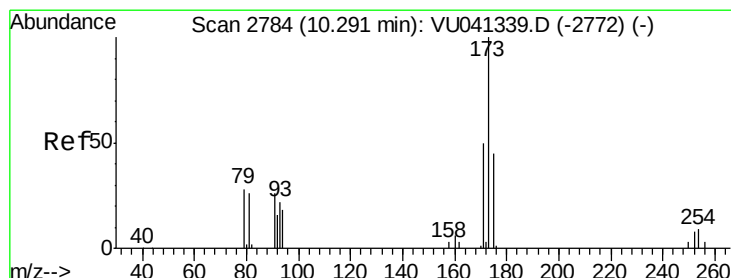
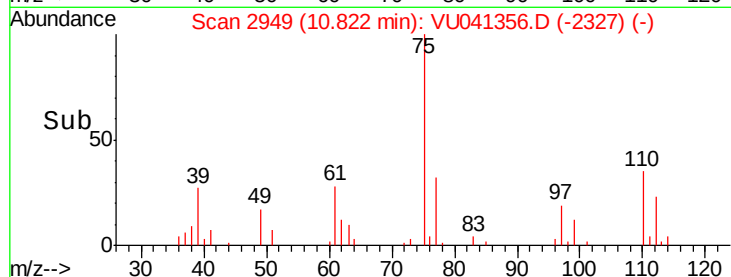
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.900 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

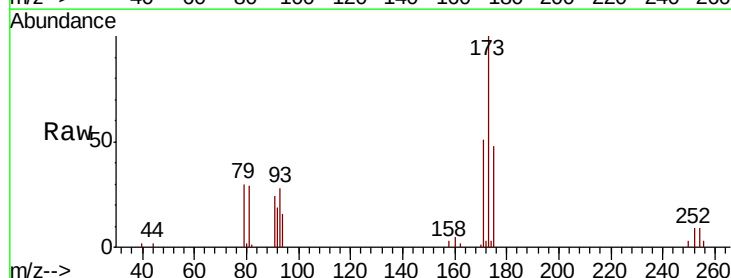
Tgt Ion: 173 Resp: 13861

Ion Ratio Lower Upper

173 100

175 49.0 37.6 56.4

254 9.2 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041339.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041339.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041339.D (-2772) (-)

10.29

10000

8000

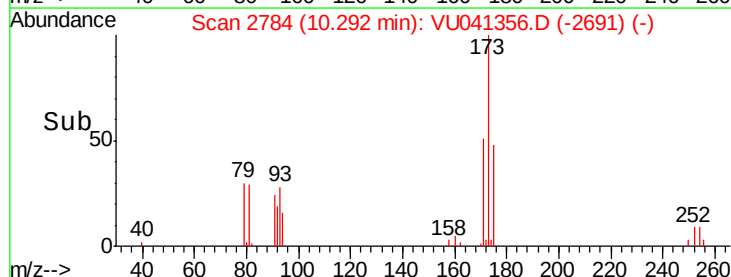
6000

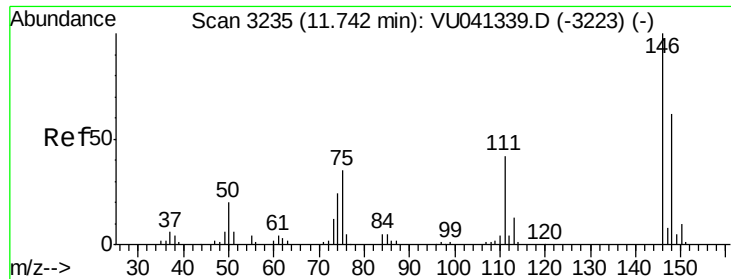
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.423 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

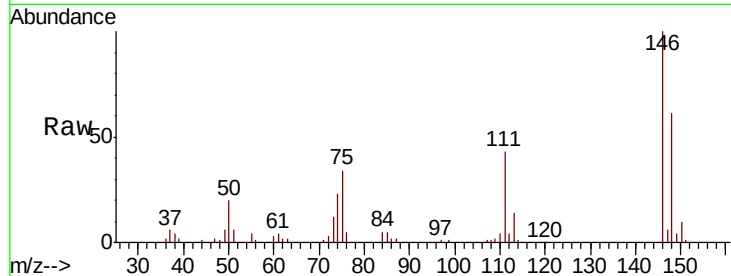
Tot Ion:146 Resp: 50405

Ion Ratio Lower Upper

146 100

111 43.4 30.9 57.3

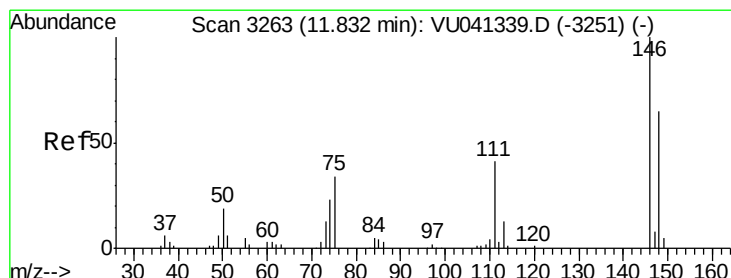
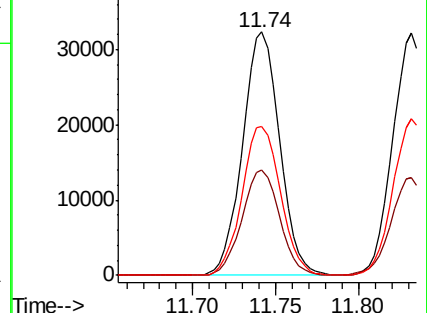
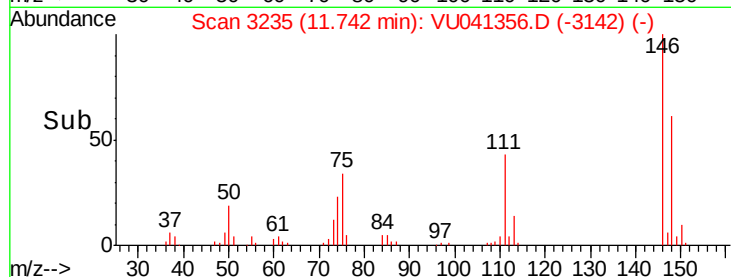
148 61.4 45.8 85.2



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: 5.172 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

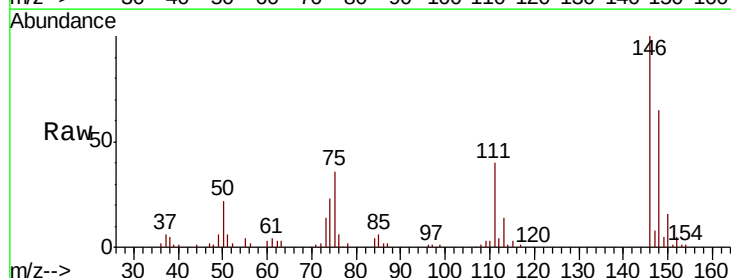
Tgt Ion:146 Resp: 49537

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.7

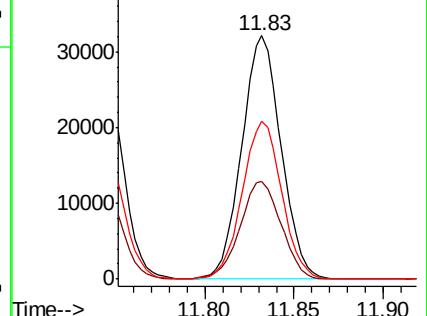
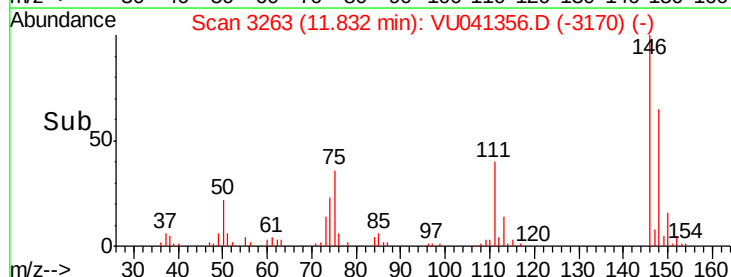
148 64.6 44.2 82.2

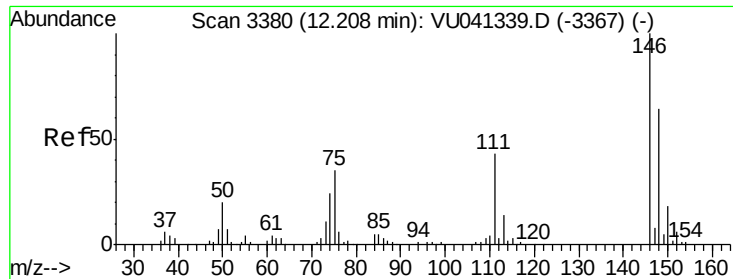


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

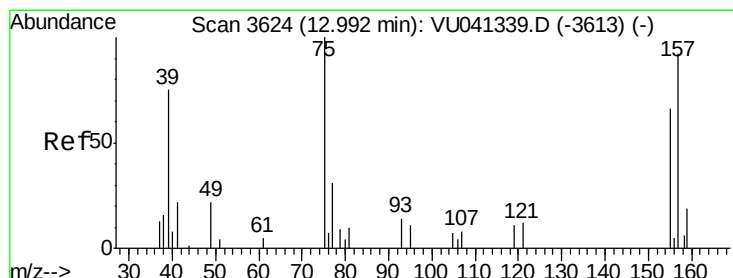
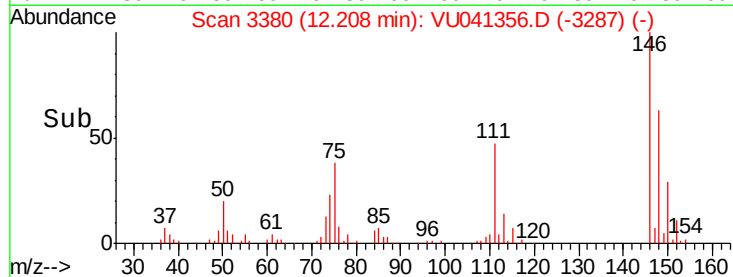
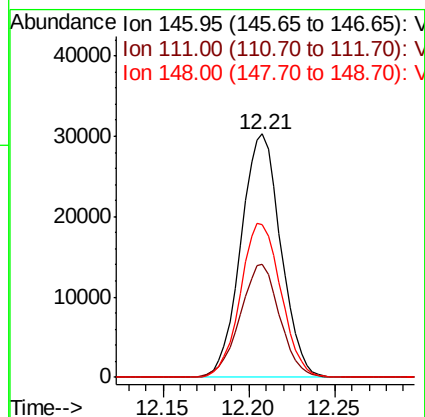
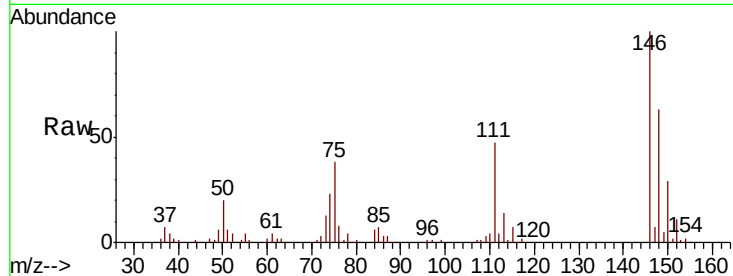




#65
 1,2-Dichlorobenzene
 Concen: 5.278 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

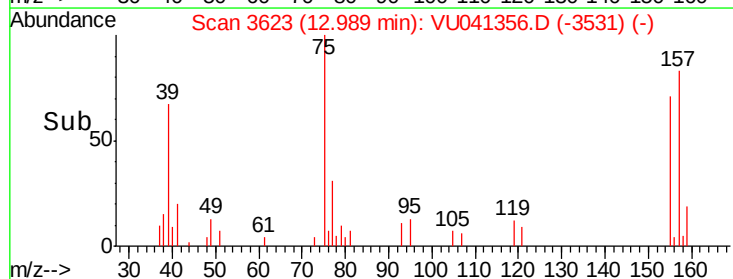
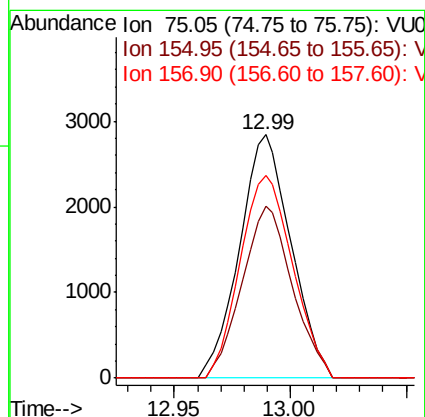
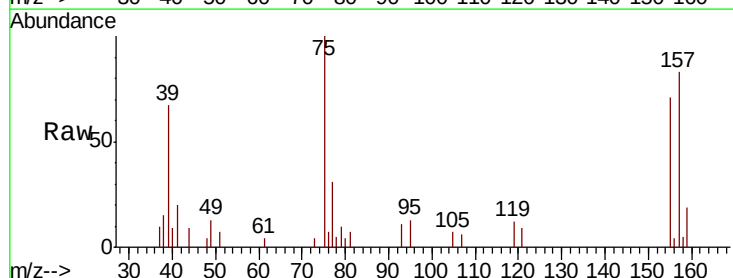
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

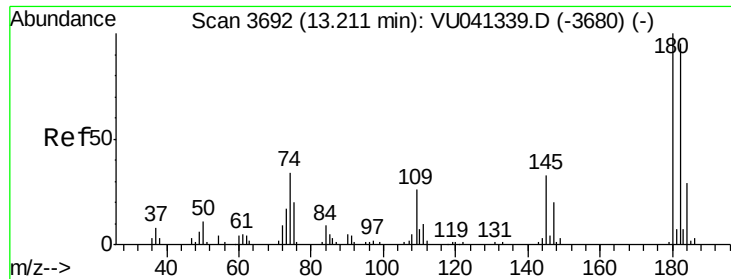
Tot Ion:146 Resp: 48800
 Ion Ratio Lower Upper
 146 100
 111 46.6 35.0 52.6
 148 62.8 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.103 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion: 75 Resp: 4380
 Ion Ratio Lower Upper
 75 100
 155 70.6 61.4 92.2
 157 83.5 74.2 111.4

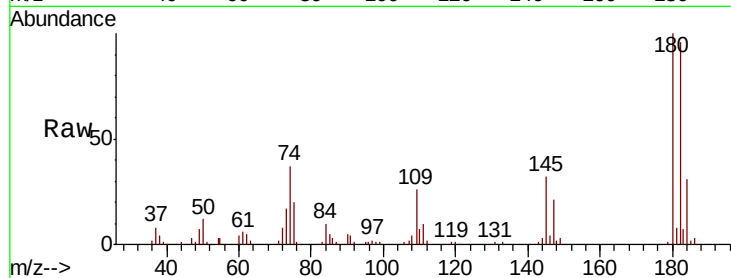




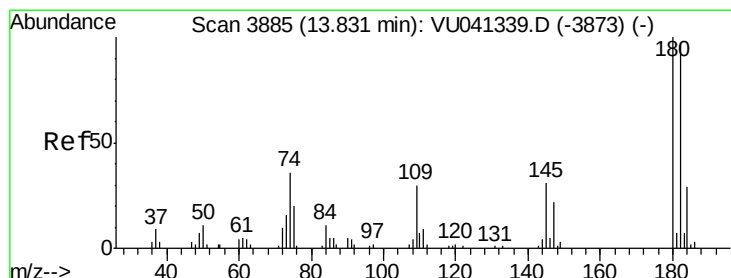
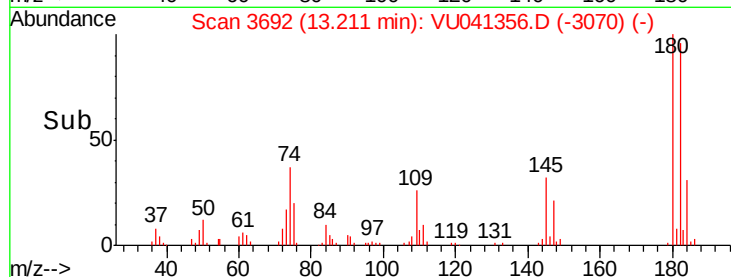
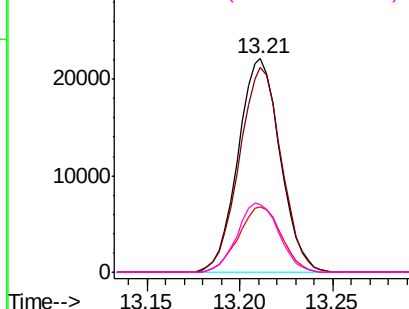
#67
 1,3,5-Trichlorobenzene
 Concen: 5.253 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:180 Resp: 34775
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.7 113.5
 184 31.4 23.7 35.5
 145 31.9 26.1 39.1

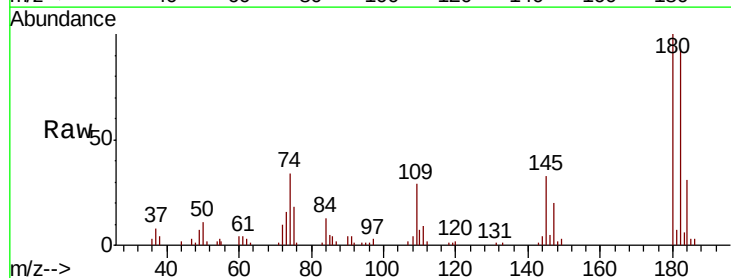


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

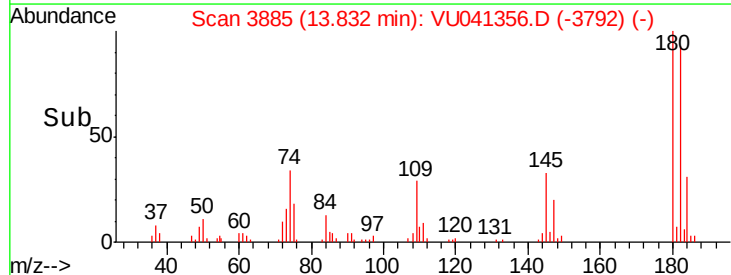
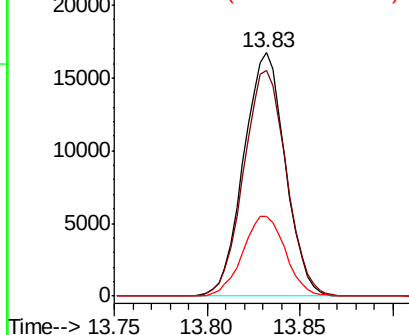


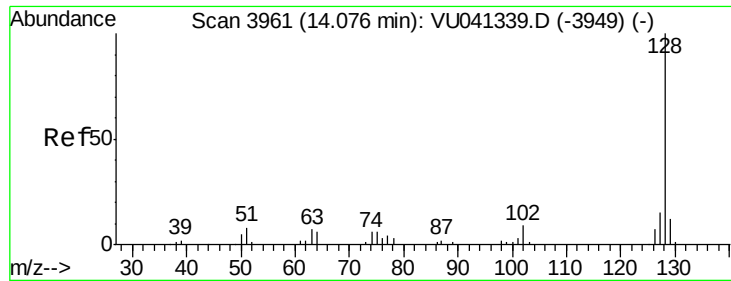
#68
 1,2,4-trichlorobenzene
 Concen: 4.755 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041356.D
 Acq: 19 Nov 2020 20:23

Tgt Ion:180 Resp: 26145
 Ion Ratio Lower Upper
 180 100
 182 95.2 73.5 110.3
 145 33.6 26.6 40.0



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





#69

Naphthalene

Concen: 4.439 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

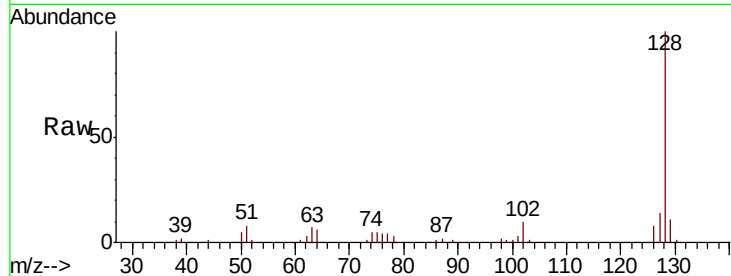
Tot Ion:128 Resp: 39518

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

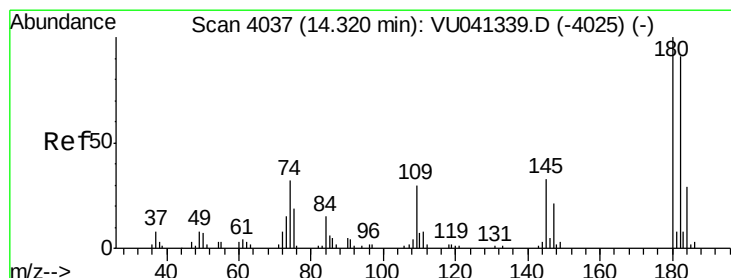
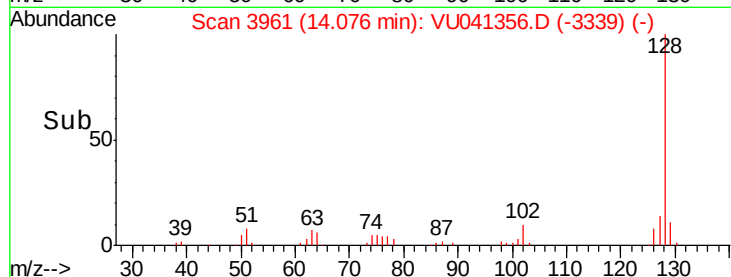
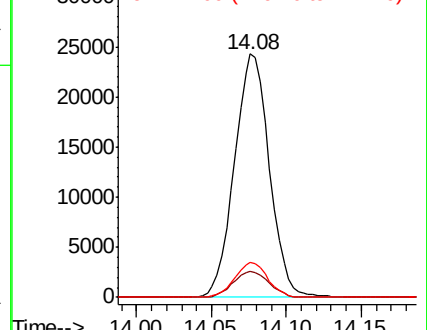
127 13.4 10.8 16.2



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: 4.773 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041356.D

Acq: 19 Nov 2020 20:23

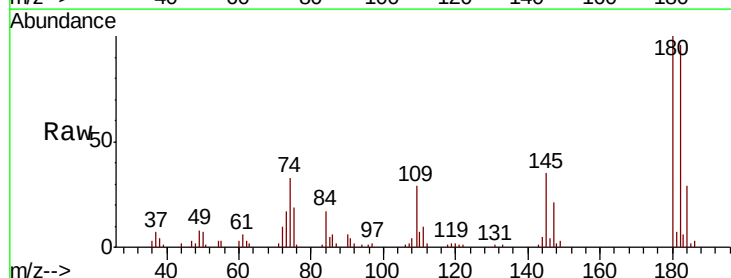
Tgt Ion:180 Resp: 24376

Ion Ratio Lower Upper

180 100

182 96.5 77.7 116.5

145 34.6 29.4 44.0



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

