

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041290.D
 Acq On : 17 Nov 2020 20:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Nov 17 22:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70712	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70936	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34697	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23238	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	20779	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	50480	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.66	46	105888	49.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.74%
24) Chloroform-d	5.08	84	54918	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	34272	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	96510	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.70	67	33676	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.90	98	90152	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.18	79	13375	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	79463	52.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31151	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	33653	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	27042	4.633	ug/L	98
3) Chloromethane	1.52	50	28174	4.482	ug/L	100
5) Vinyl chloride	1.61	62	28727	4.680	ug/L	96
6) Bromomethane	1.86	94	12814	3.519	ug/L	100
8) Chloroethane	1.94	64	18247	4.478	ug/L	98
9) Trichlorofluoromethane	2.15	101	44065	4.609	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23576	4.526	ug/L	96
12) 1,1-Dichloroethene	2.59	96	22184	4.819	ug/L	93
13) Acetone	2.67	43	59687	41.953	ug/L	99
14) Carbon disulfide	2.80	76	59682	4.406	ug/L	98
15) Methyl Acetate	2.97	43	15486	5.240	ug/L	95
16) Methylene chloride	3.06	84	30624	5.306	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	67108	5.325	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	22170	4.945	ug/L	98
19) 1,1-Dichloroethane	3.89	63	50587	5.047	ug/L	98
21) 2-Butanone	4.74	43	102153	47.293	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	25829	5.101	ug/L	92

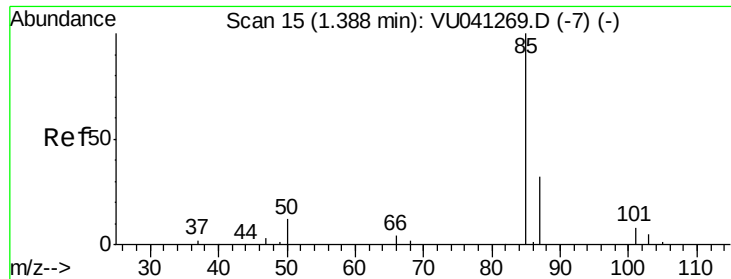
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041290.D
 Acq On : 17 Nov 2020 20:37
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13212	5.263	ug/L	85
25) Chloroform	5.11	83	53126	4.888	ug/L	99
27) 1,2-Dichloroethane	5.81	62	38914	4.980	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	44390	5.120	ug/L	96
30) Cyclohexane	5.40	56	36165	5.048	ug/L	99
31) Carbon tetrachloride	5.54	117	37858	5.035	ug/L	99
33) Benzene	5.79	78	101682	5.289	ug/L	100
34) Trichloroethene	6.55	95	26731	5.145	ug/L	94
35) Methylcyclohexane	6.77	83	32448	4.701	ug/L	98
37) 1,2-Dichloropropane	6.80	63	29394	5.231	ug/L	99
38) Bromodichloromethane	7.12	83	38549	5.249	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	37545	4.791	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	242605	52.173	ug/L	100
42) Toluene	7.97	91	106309	5.175	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	34975	4.718	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	22046	5.073	ug/L	98
47) Tetrachloroethene	8.56	164	17956	4.677	ug/L	97
48) 2-Hexanone	8.69	43	176527	50.856	ug/L	99
49) Dibromochloromethane	8.81	129	26863	5.217	ug/L	99
50) 1,2-Dibromoethane	8.93	107	20736	5.144	ug/L	100
51) Chlorobenzene	9.45	112	68055	5.001	ug/L	97
52) Ethylbenzene	9.57	91	109149	4.975	ug/L	97
53) m,p-Xylene	9.69	106	40595	5.120	ug/L	100
54) o-Xylene	10.10	106	40983	5.366	ug/L	98
55) Styrene	10.11	104	70524	5.215	ug/L	97
56) Isopropylbenzene	10.48	105	107974	5.337	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	29065	5.117	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	22501	5.078	ug/L	99
61) Bromoform	10.29	173	15627	4.919	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	52792	5.056	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	52983	4.925	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	50771	4.889	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5140	5.332	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	33821	4.548	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	28599	4.630	ug/L	96
69) Naphthalene	14.08	128	50737	5.073	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	28520	4.972	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.633 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

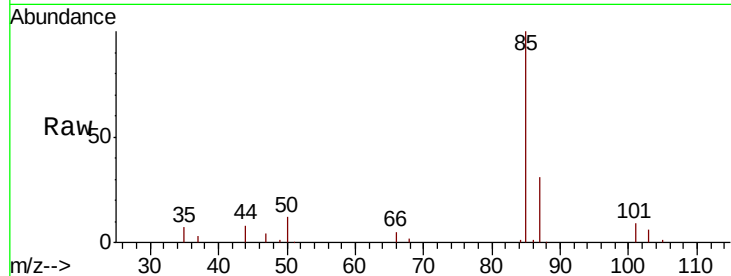
VSTD00525

Tot Ion: 85 Resp: 27042

Ion Ratio Lower Upper

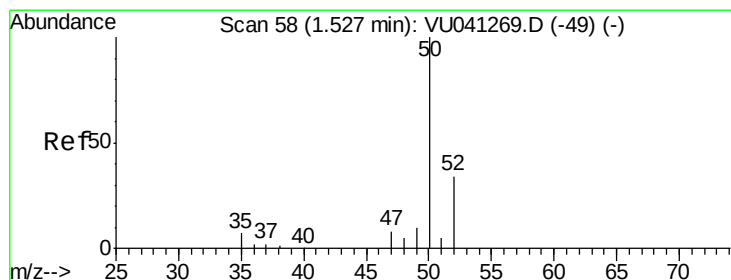
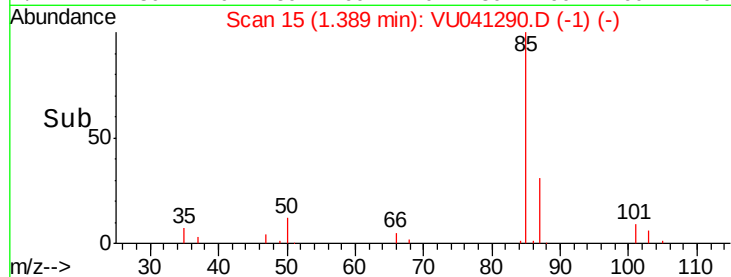
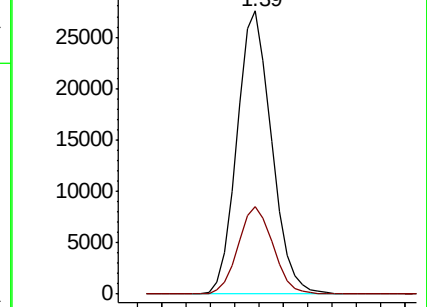
85 100

87 31.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041269.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041269.D (-7) (-)



#3

Chloromethane

Concen: 4.482 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041290.D

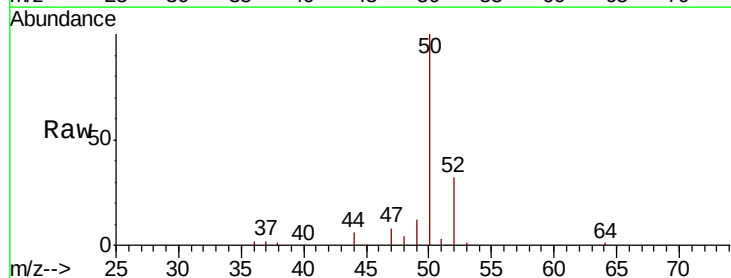
Acq: 17 Nov 2020 20:37

Tgt Ion: 50 Resp: 28174

Ion Ratio Lower Upper

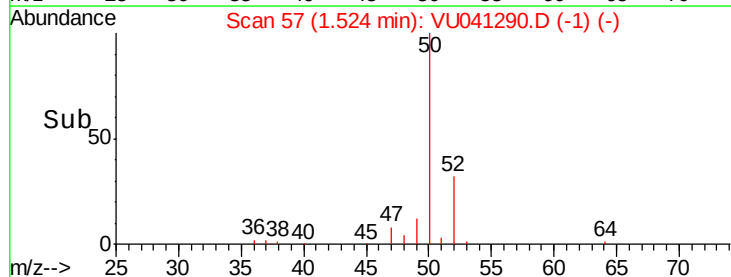
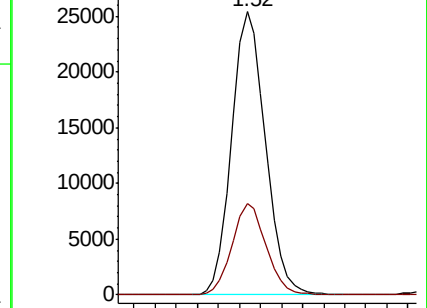
50 100

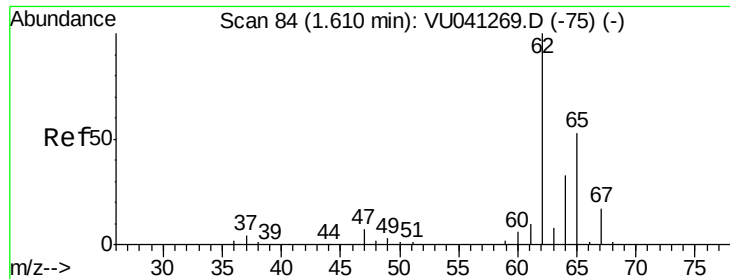
52 32.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041269.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041269.D (-49) (-)





#5

Vinyl chloride

Concen: 4.680 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

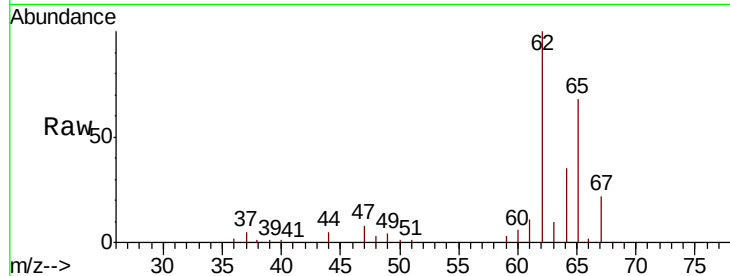
VSTD00525

Tot Ion: 62 Resp: 28727

Ion Ratio Lower Upper

62 100

64 34.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

25000

20000

15000

10000

5000

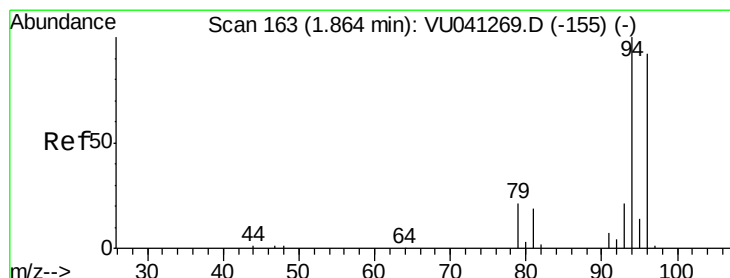
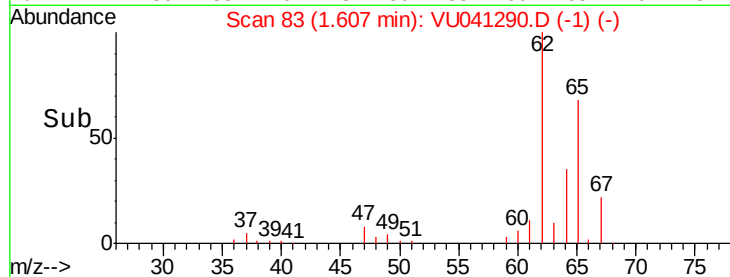
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 3.519 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041290.D

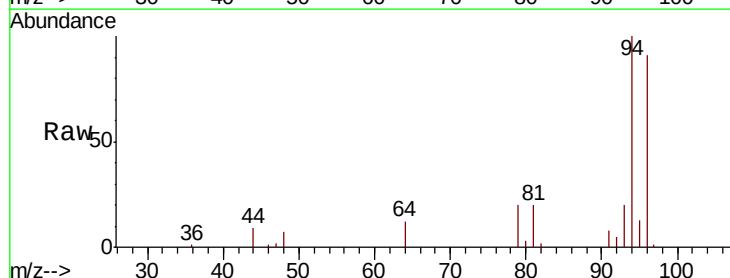
Acq: 17 Nov 2020 20:37

Tgt Ion: 94 Resp: 12814

Ion Ratio Lower Upper

94 100

96 90.6 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

12000

10000

8000

6000

4000

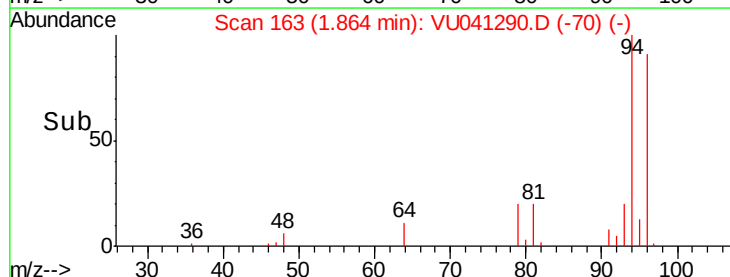
2000

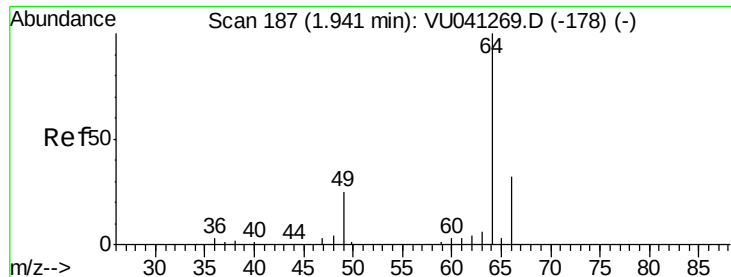
0

Time-->

1.85

1.90

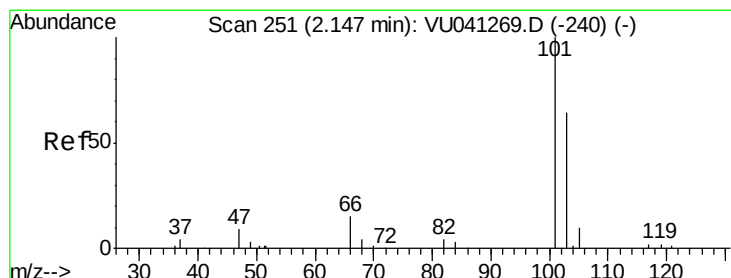
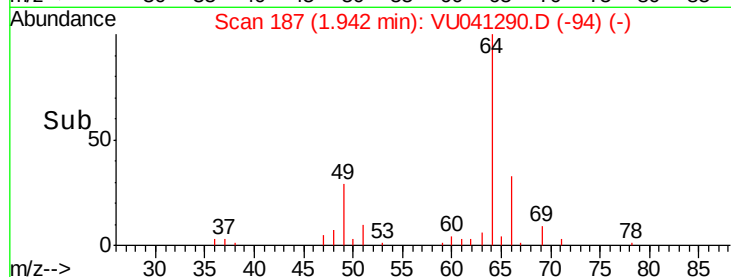
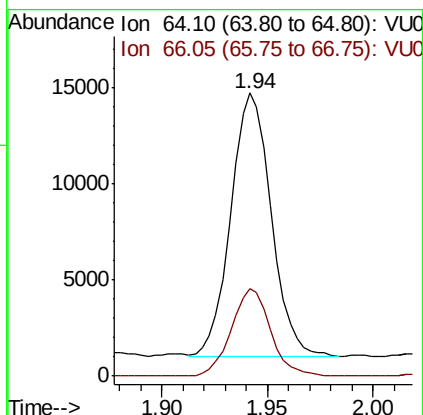
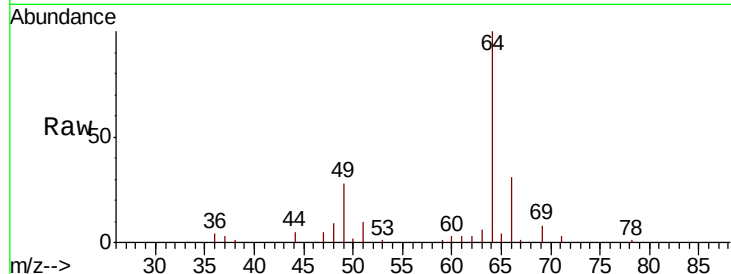




#8
Chloroethane
Concen: 4.478 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

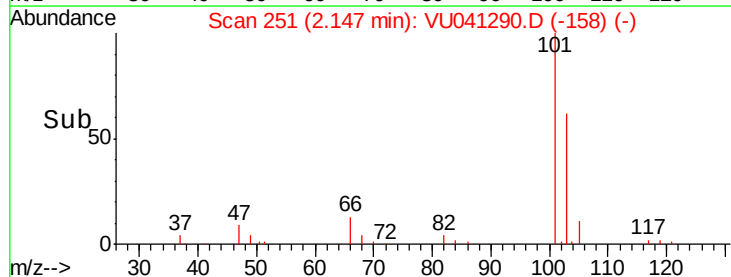
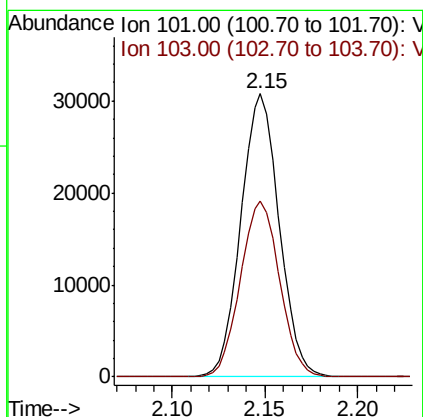
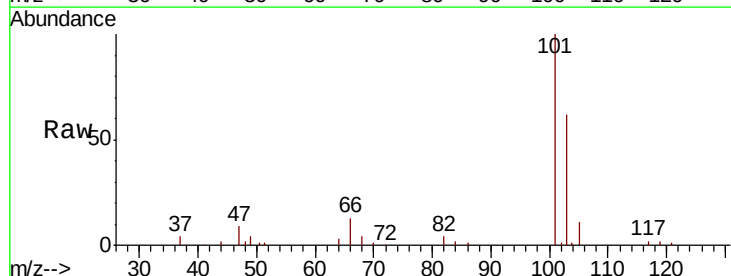
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

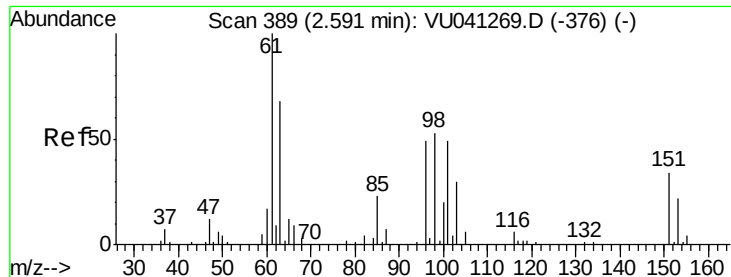
Tot Ion: 64 Resp: 18247
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.609 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion:101 Resp: 44065
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.4





#10

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

Concen: 4.526 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampled :

VSTD00525

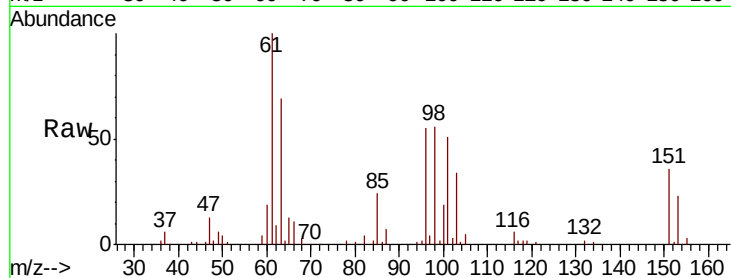
Tot Ion:101 Resp: 23576

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

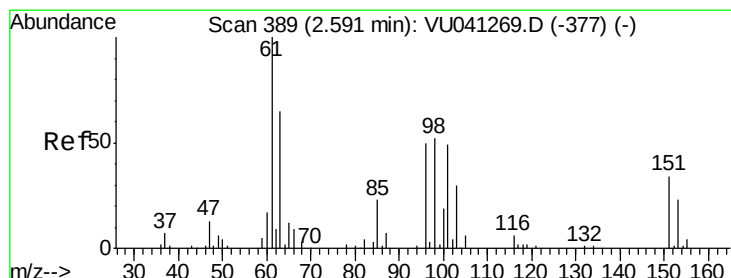
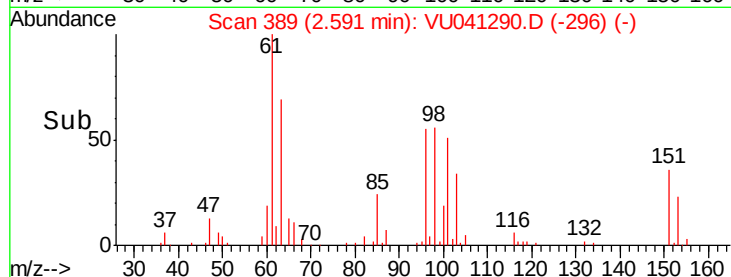
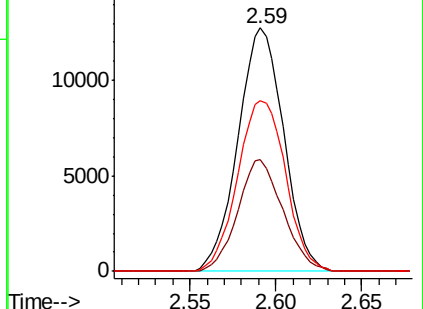
151 73.6 55.3 82.9



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: 4.819 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

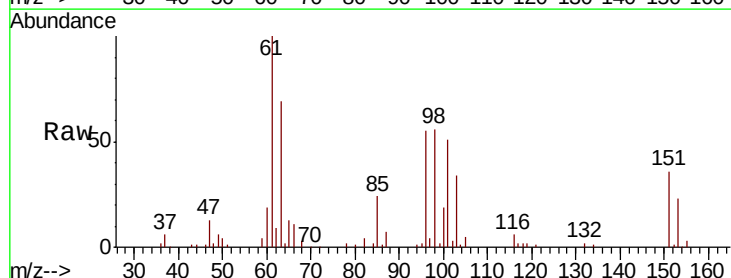
Tgt Ion: 96 Resp: 22184

Ion Ratio Lower Upper

96 100

61 182.7 134.3 249.5

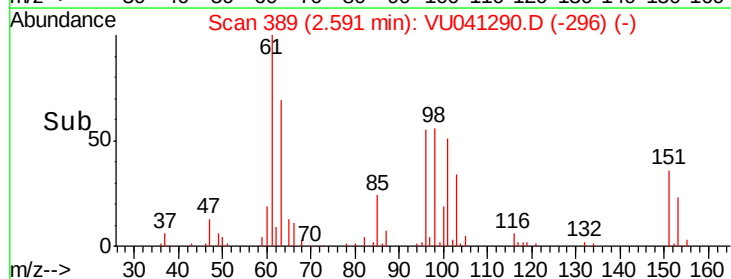
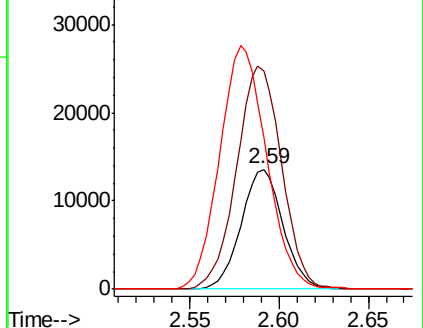
63 126.9 95.0 176.4

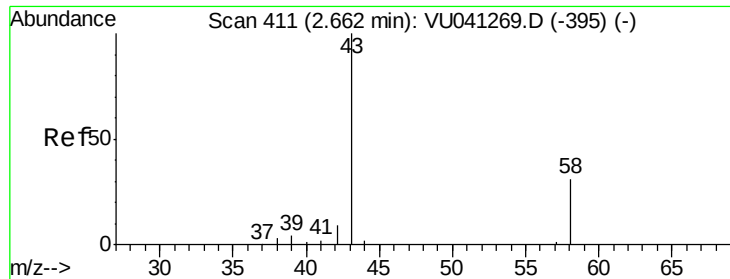


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.953 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

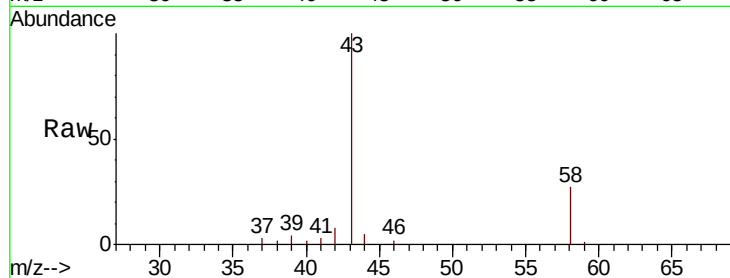
VSTD00525

Tot Ion: 43 Resp: 59687

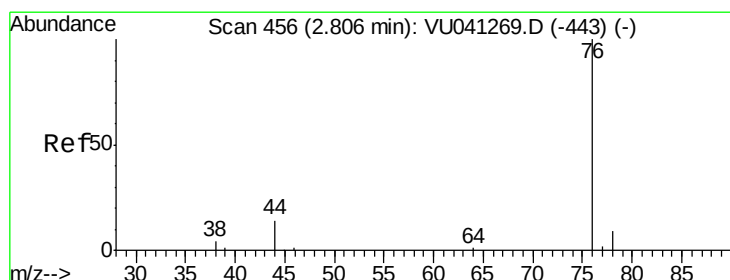
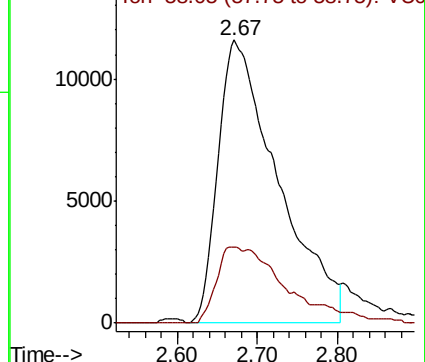
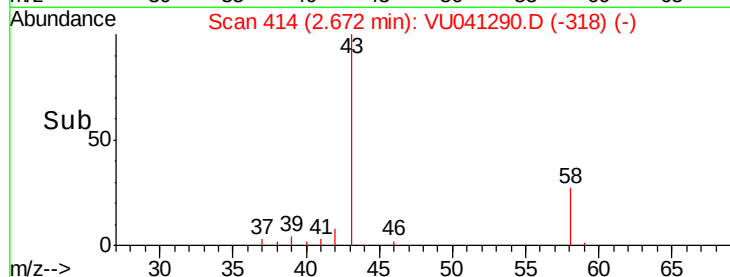
Ion Ratio Lower Upper

43 100

58 12.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041290.D (-318) (-)



#14

Carbon disulfide

Concen: 4.406 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041290.D

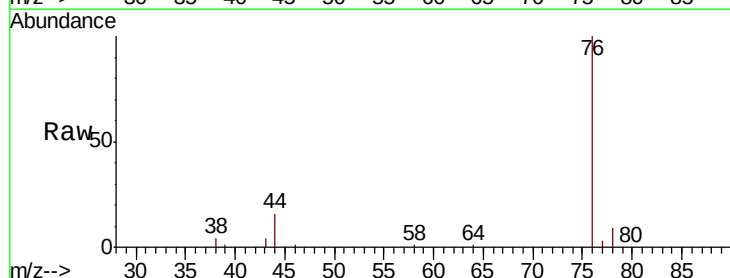
Acq: 17 Nov 2020 20:37

Tgt Ion: 76 Resp: 59682

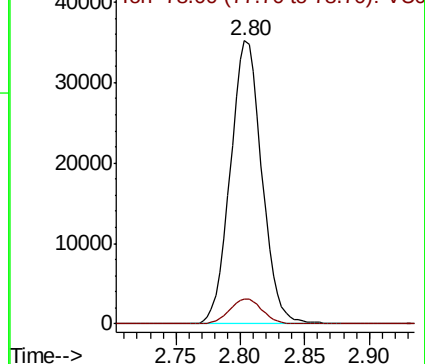
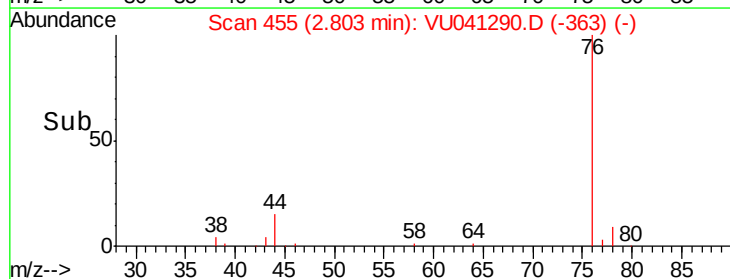
Ion Ratio Lower Upper

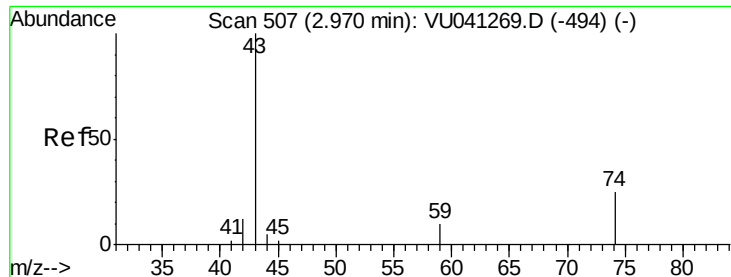
76 100

78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041290.D (-363) (-)

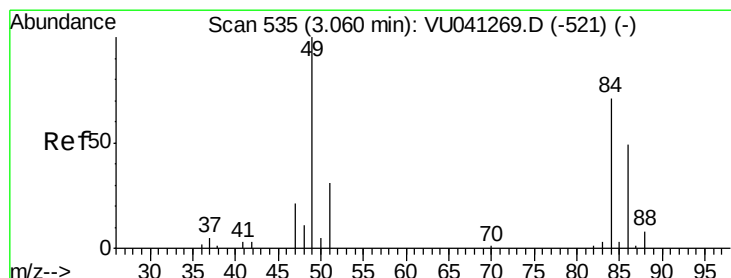
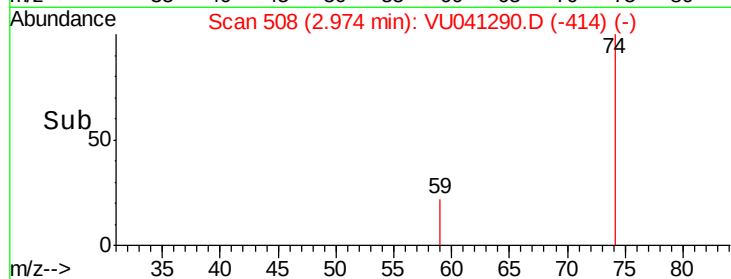
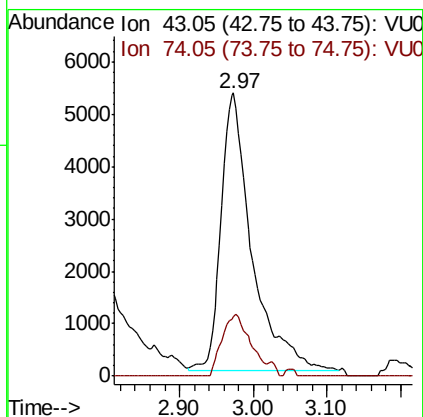
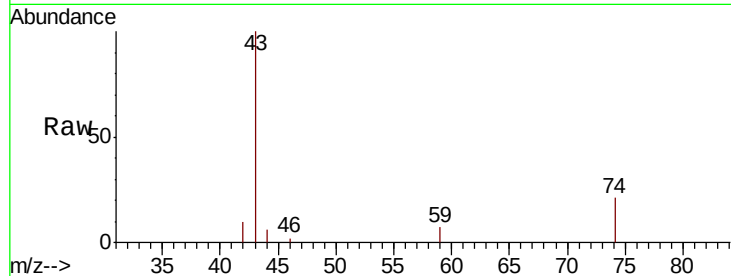




#15
Methyl Acetate
Concen: 5.240 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

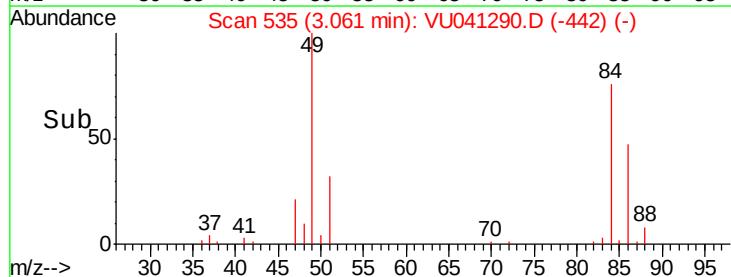
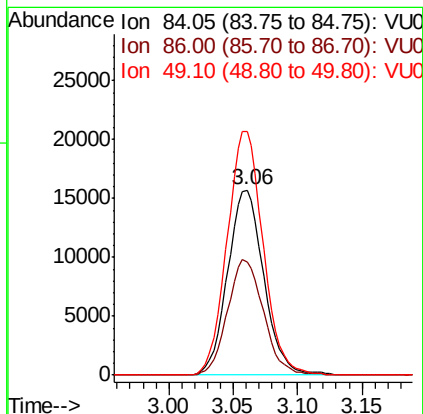
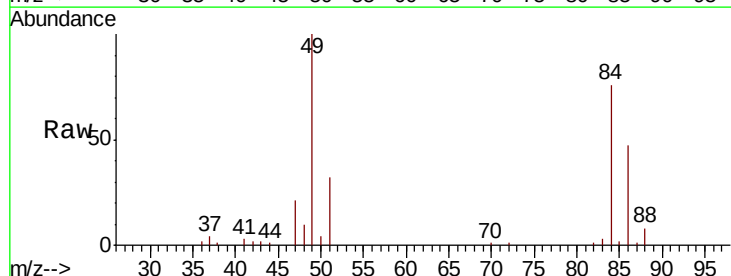
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

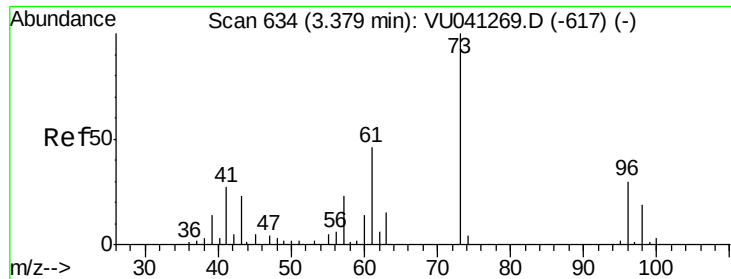
Tot Ion: 43 Resp: 15486
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



#16
Methylene chloride
Concen: 5.306 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion: 84 Resp: 30624
Ion Ratio Lower Upper
84 100
86 61.5 42.8 79.6
49 131.7 99.5 184.7

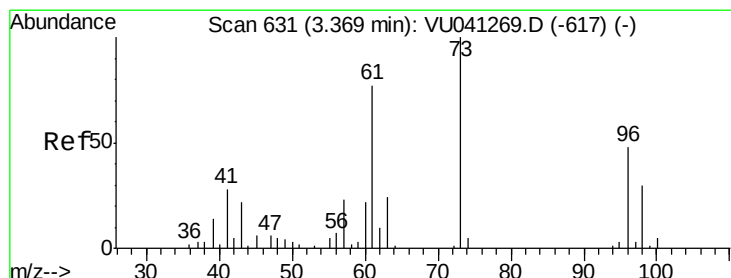
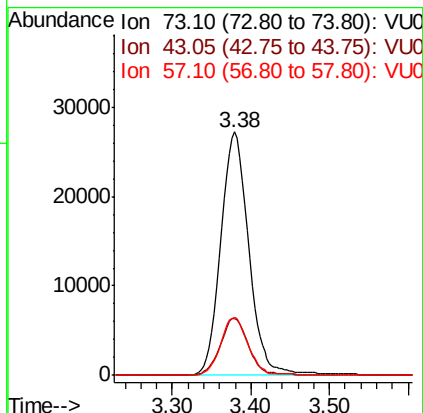
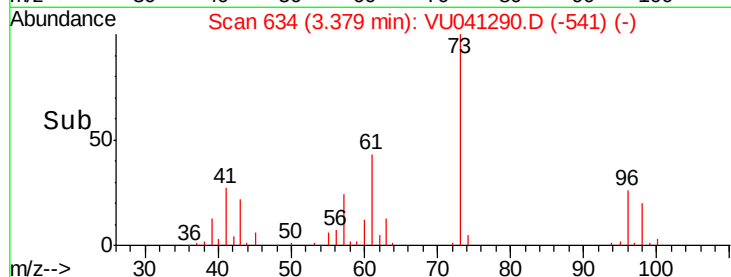
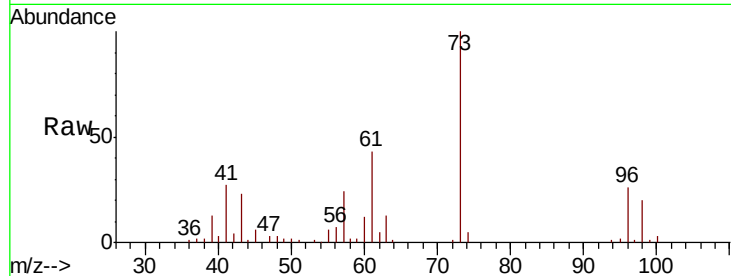




#17
Methyl tert-butyl Ether
Concen: 5.325 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

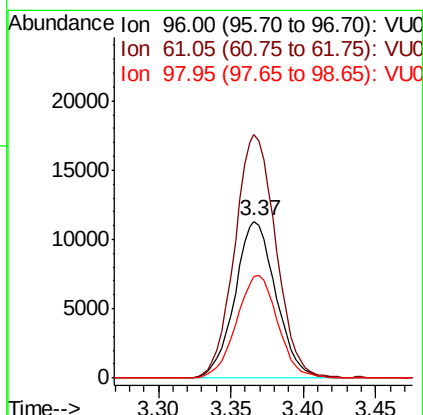
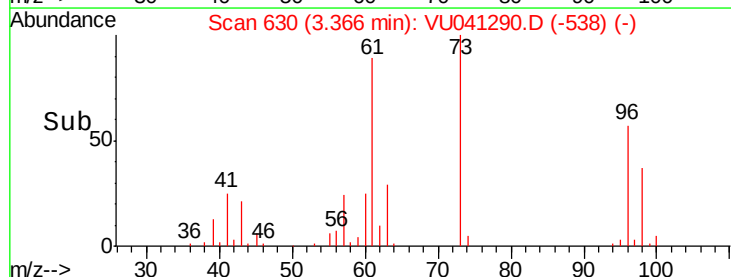
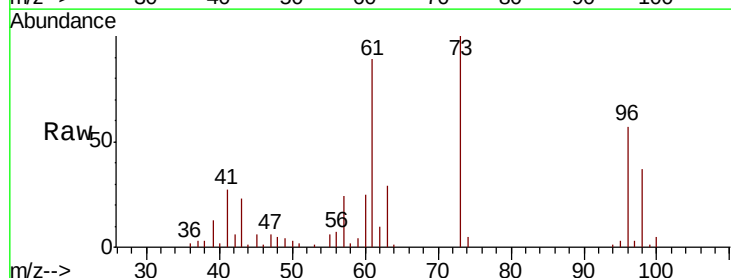
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

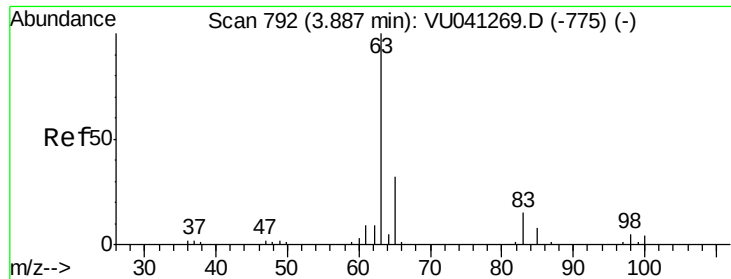
Tot Ion: 73 Resp: 67108
Ion Ratio Lower Upper
73 100
43 23.3 18.5 27.7
57 23.0 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.945 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion: 96 Resp: 22170
Ion Ratio Lower Upper
96 100
61 154.9 110.9 205.9
98 64.7 45.4 84.2

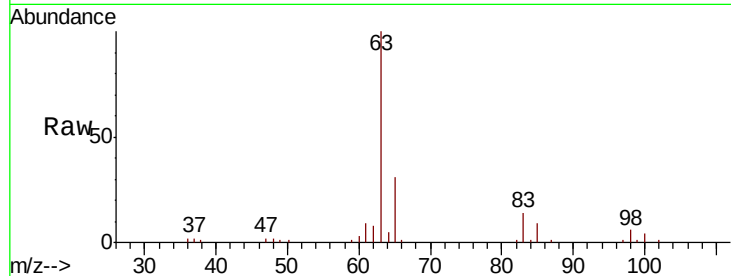




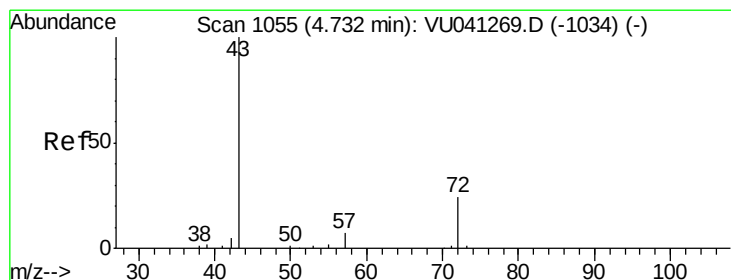
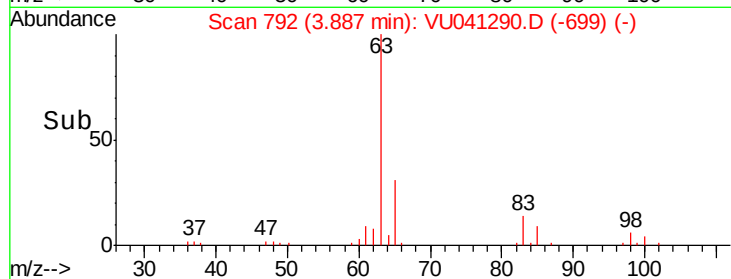
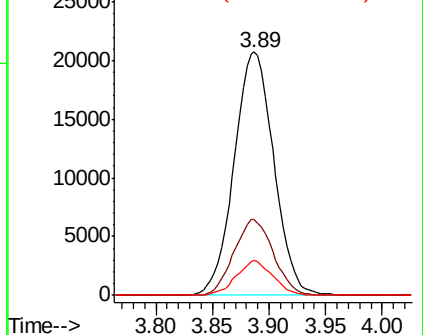
#19
 1,1-Dichloroethane
 Concen: 5.047 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 63 Resp: 50587
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.3 39.6
 83 14.4 8.8 16.3

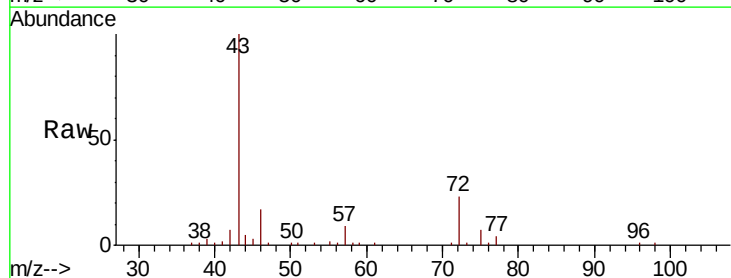


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

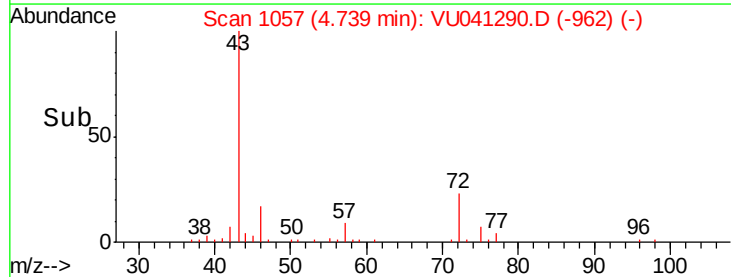
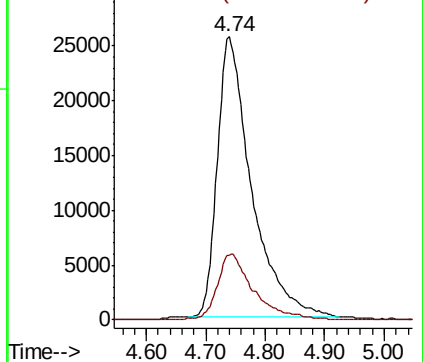


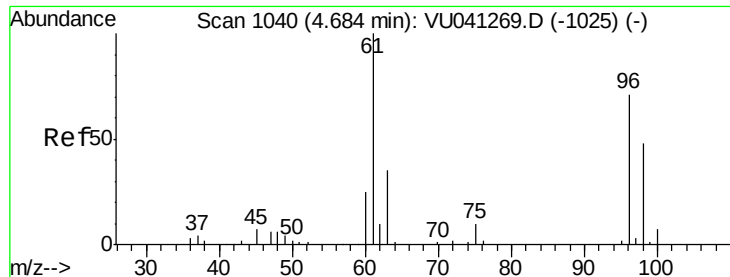
#21
 2-Butanone
 Concen: 47.293 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion: 43 Resp: 102153
 Ion Ratio Lower Upper
 43 100
 72 24.9 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

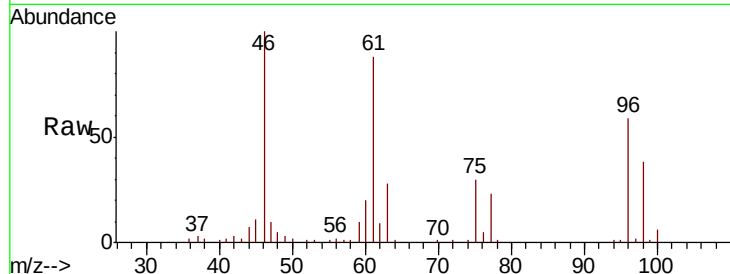




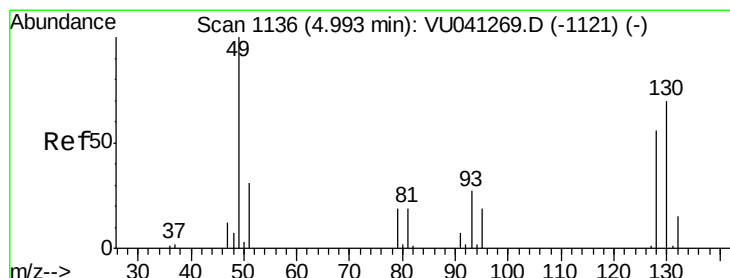
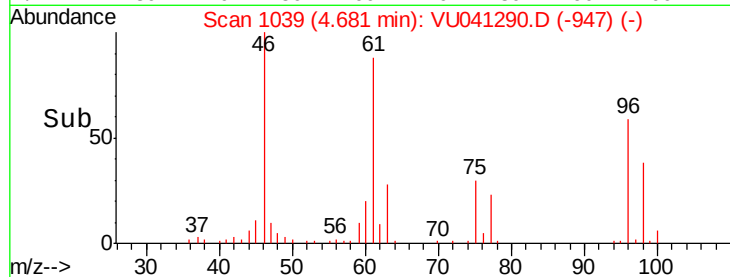
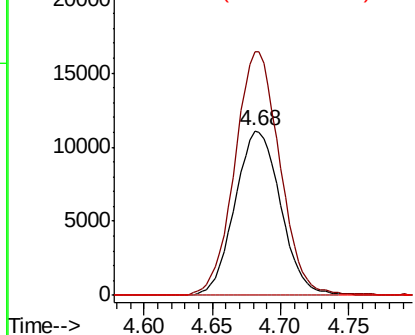
#22
 cis-1,2-Dichloroethene
 Concen: 5.101 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 96 Resp: 25829
 Ion Ratio Lower Upper
 96 100
 61 148.0 97.2 180.4
 68 0.0 0.0 0.0

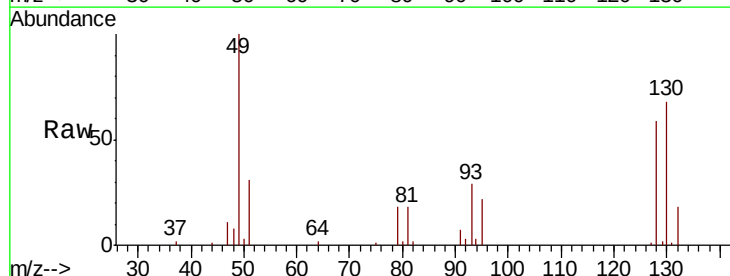


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

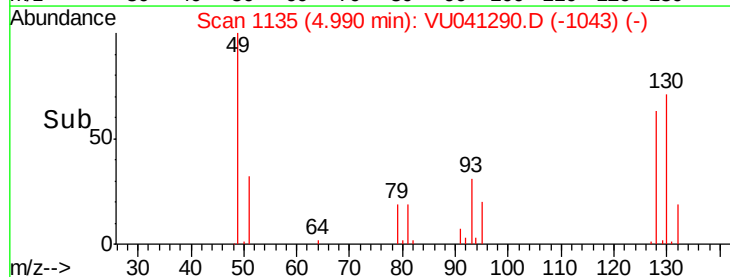
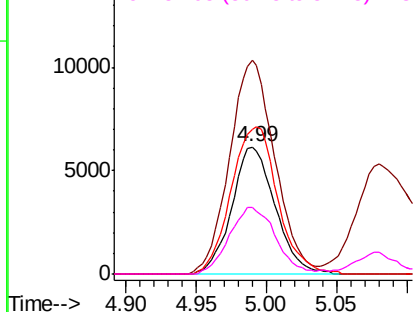


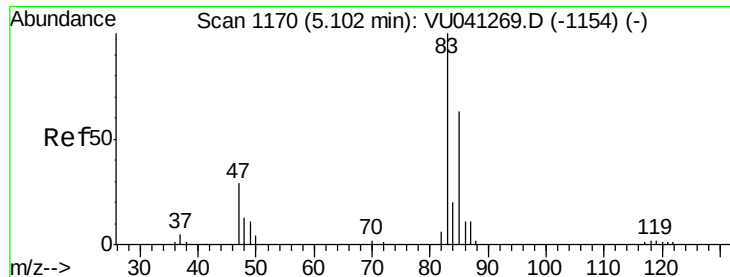
#23
 Bromochloromethane
 Concen: 5.263 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion: 128 Resp: 13212
 Ion Ratio Lower Upper
 128 100
 49 168.3 135.0 250.8
 130 114.3 89.9 167.0
 51 53.0 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

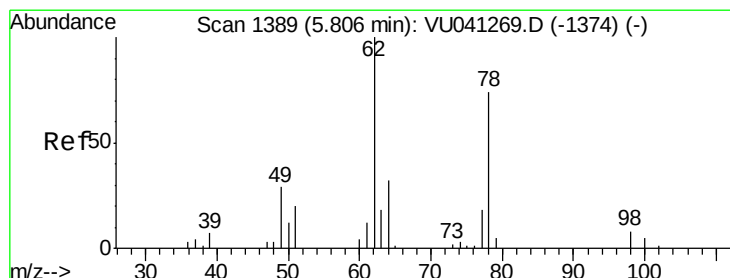
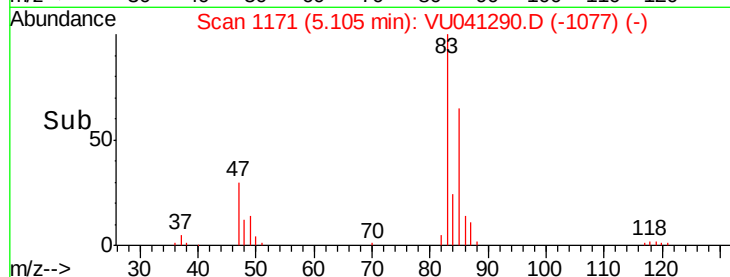
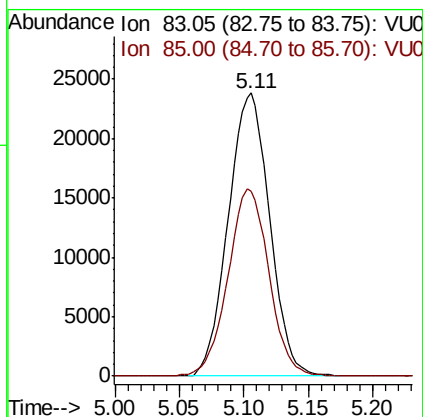
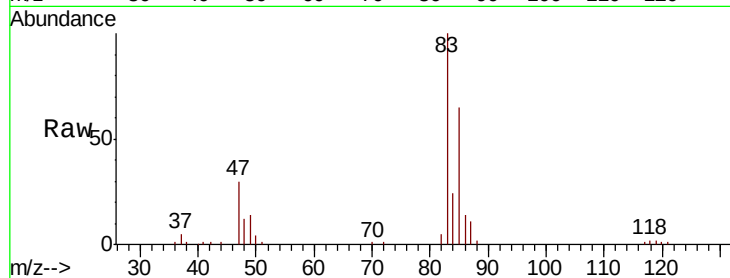




#25
Chloroform
Concen: 4.888 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

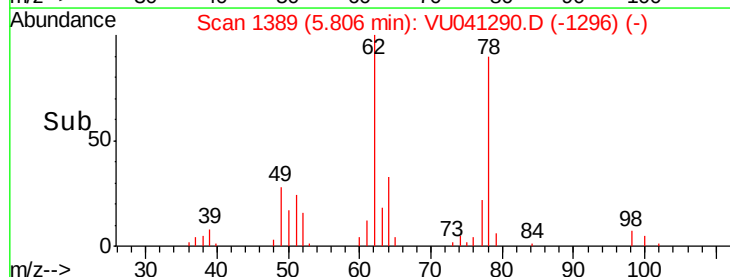
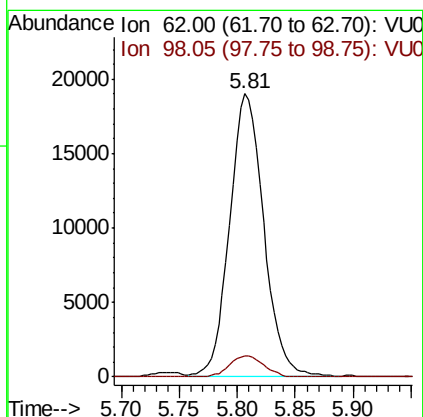
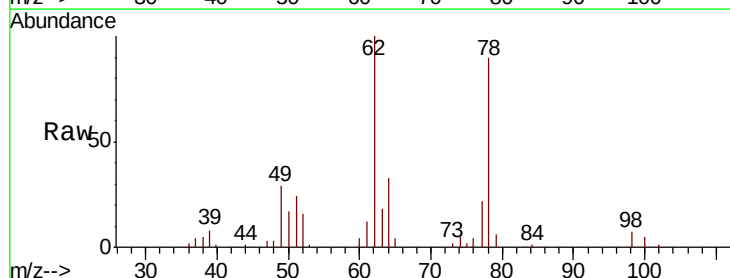
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

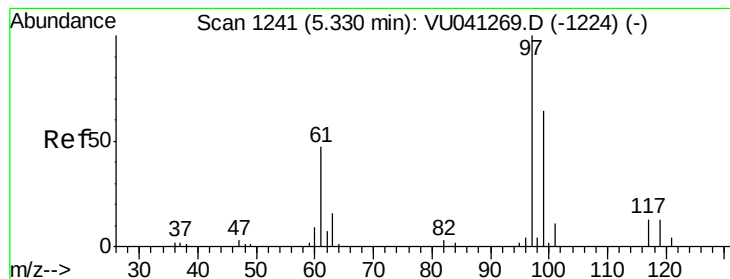
Tot Ion: 83 Resp: 53126
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.980 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion: 62 Resp: 38914
Ion Ratio Lower Upper
62 100
98 7.5 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 5.120 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

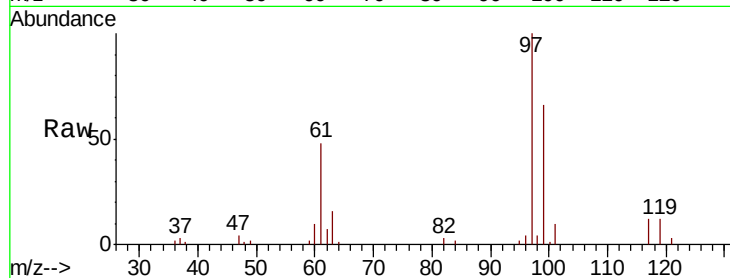
Tot Ion: 97 Resp: 44390

Ion Ratio Lower Upper

97 100

99 65.6 53.4 80.0

61 46.8 41.6 62.4

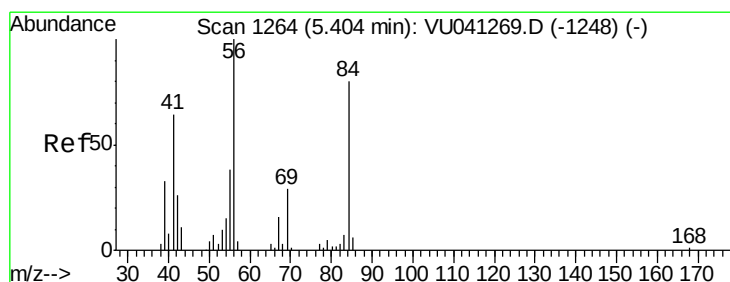
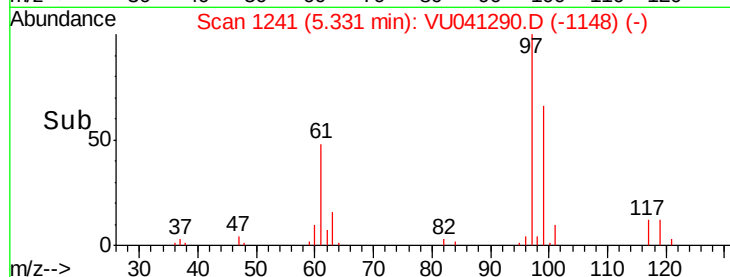
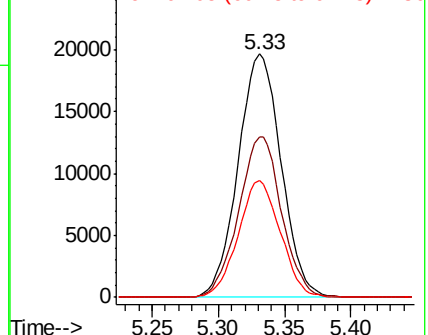


Abundance

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: 5.048 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

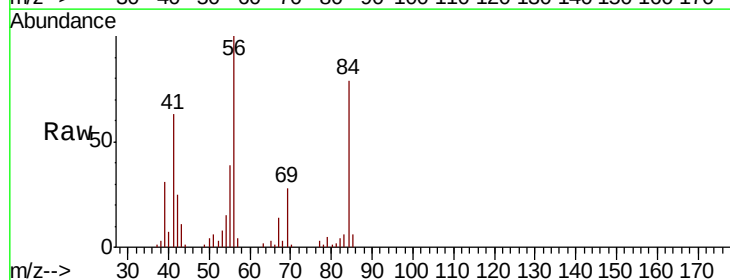
Tgt Ion: 56 Resp: 36165

Ion Ratio Lower Upper

56 100

69 29.6 22.8 34.2

84 78.7 63.6 95.4

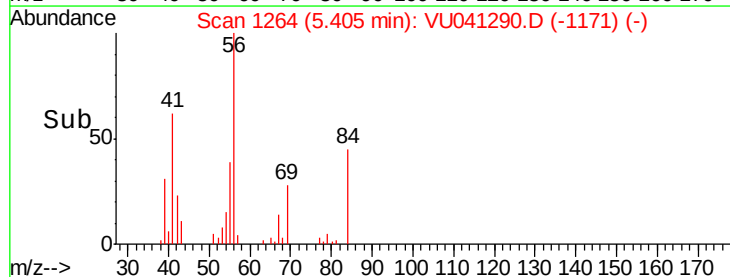
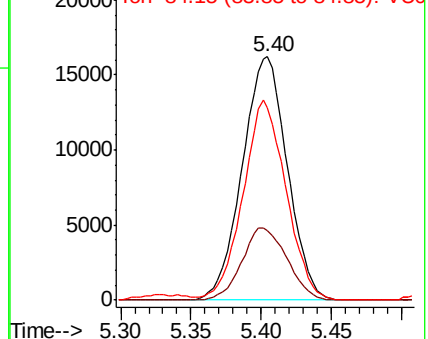


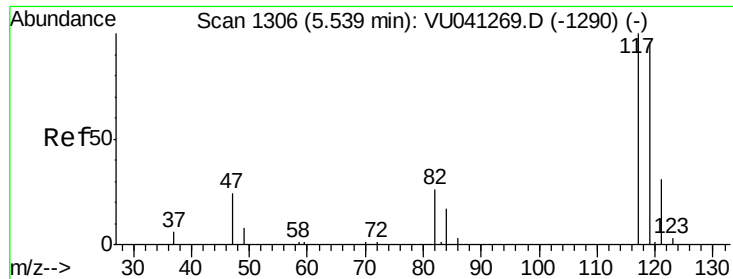
Abundance

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

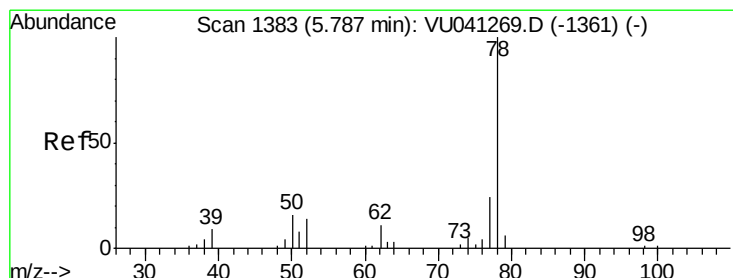
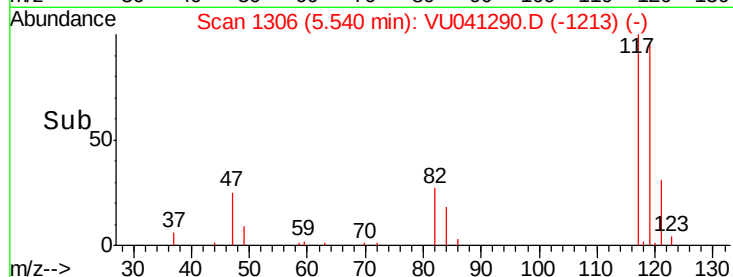
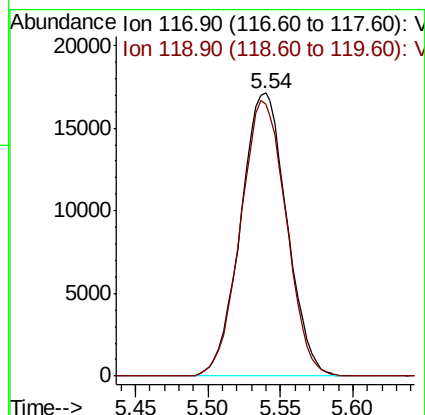
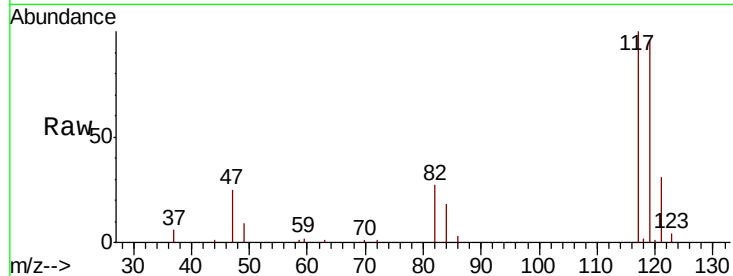




#31
Carbon tetrachloride
Concen: 5.035 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

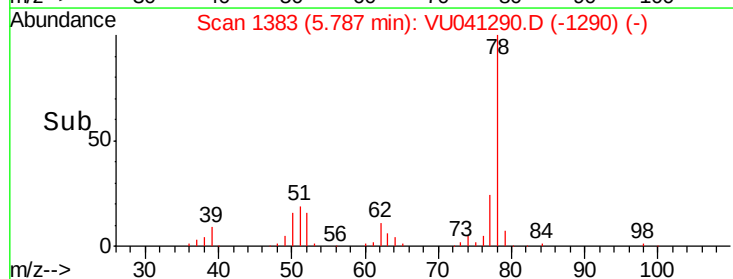
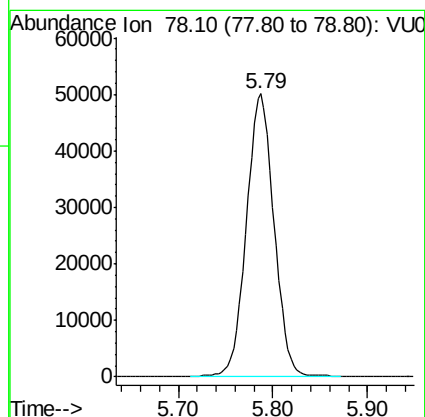
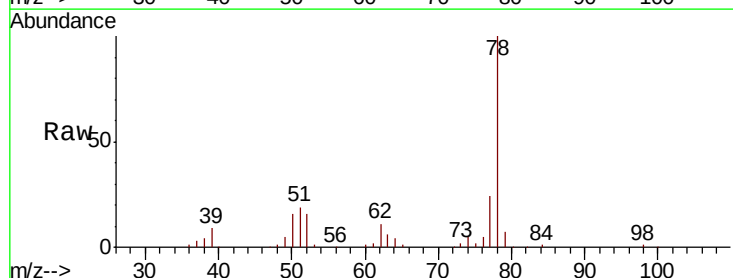
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

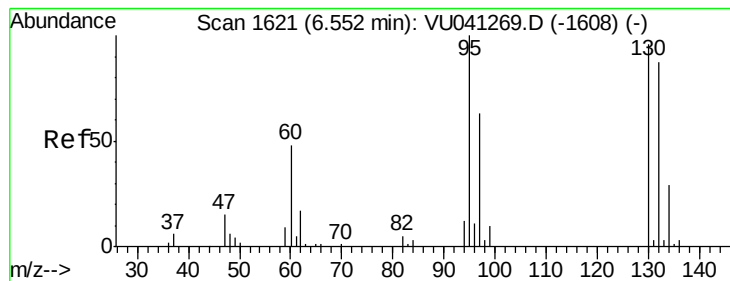
Tot Ion:117 Resp: 37858
Ion Ratio Lower Upper
117 100
119 96.2 76.1 114.1



#33
Benzene
Concen: 5.289 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion: 78 Resp: 101682





#34

Trichloroethene

Concen: 5.145 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 95 Resp: 26731

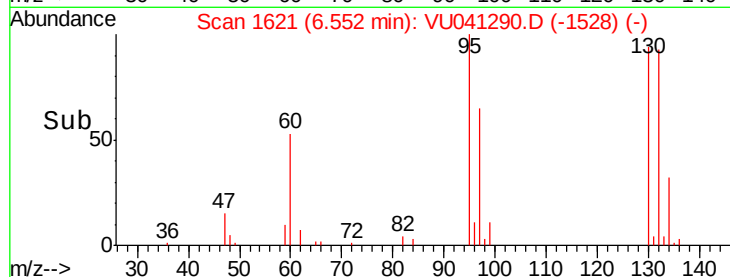
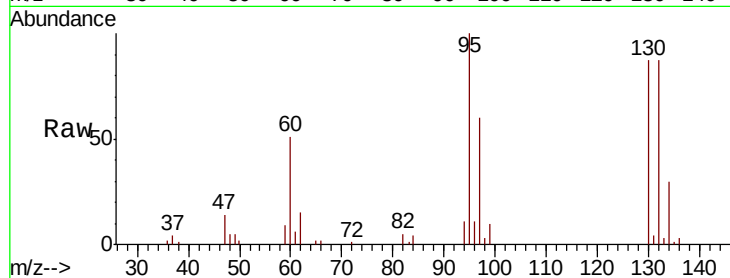
Ion Ratio Lower Upper

95 100

97 60.0 45.6 84.6

132 86.6 64.8 120.4

130 87.2 64.8 120.4

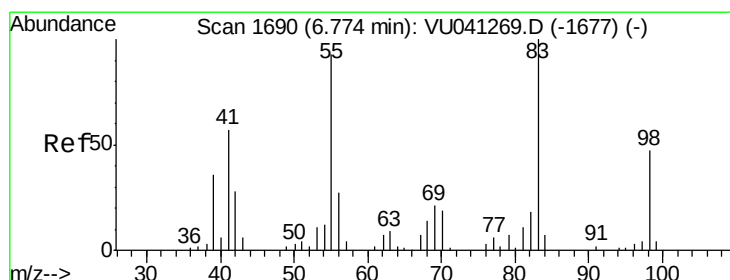
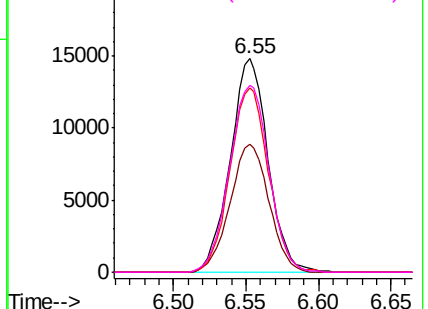


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.701 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

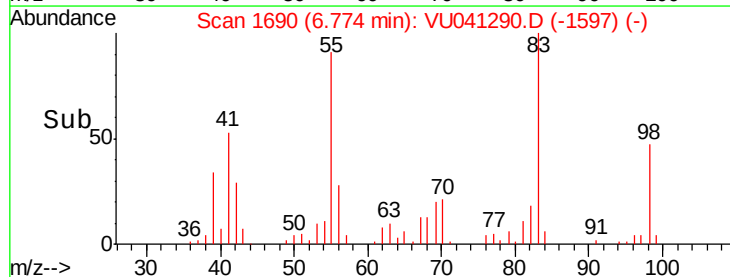
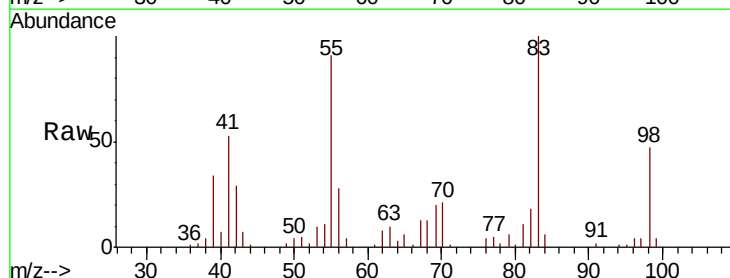
Tgt Ion: 83 Resp: 32448

Ion Ratio Lower Upper

83 100

55 87.8 72.0 108.0

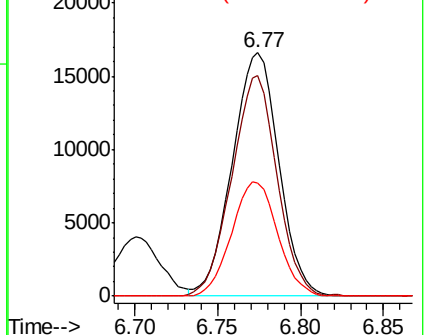
98 46.3 36.6 55.0

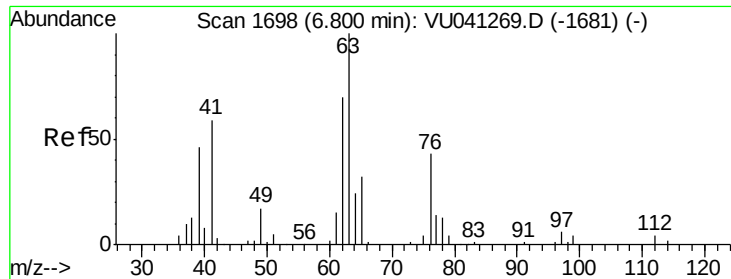


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

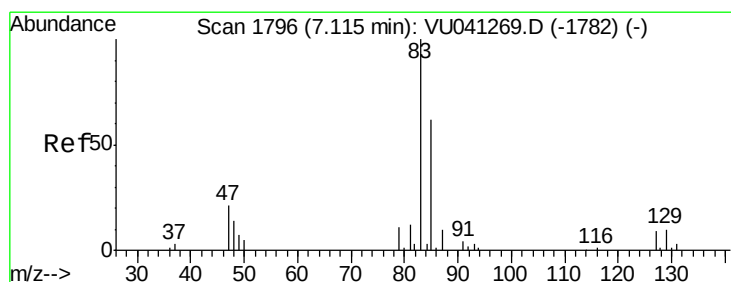
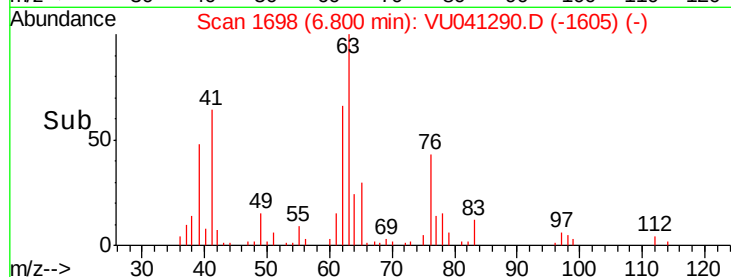
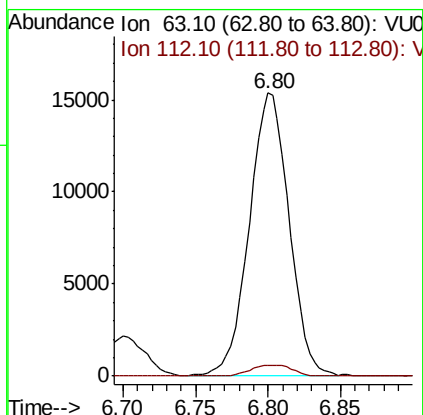
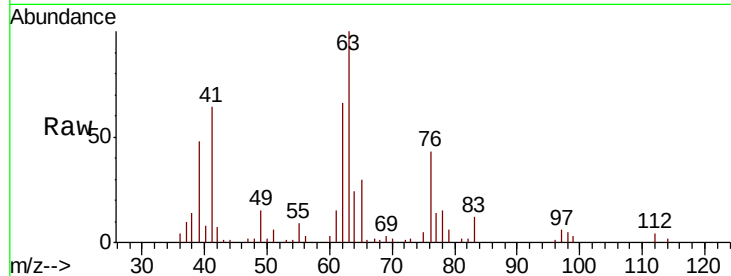




#37
 1,2-Dichloropropane
 Concen: 5.231 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

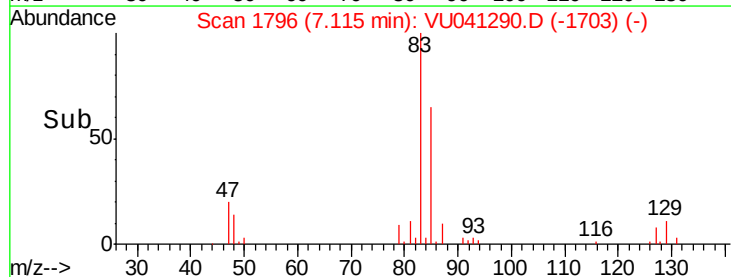
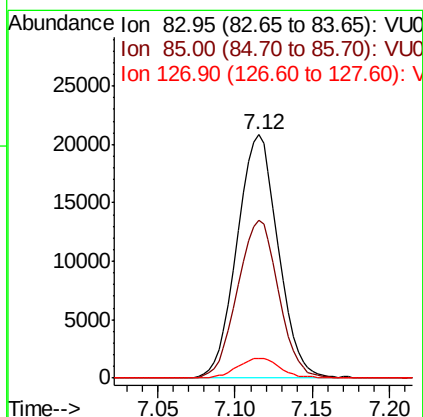
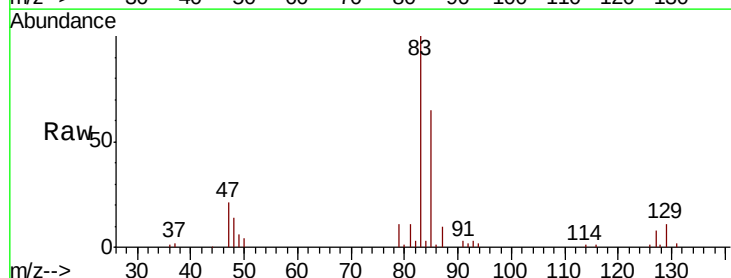
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

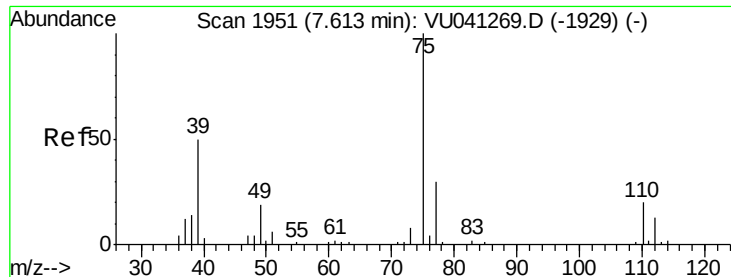
Tot Ion: 63 Resp: 29394
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.249 ug/L
 RT: 7.12 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion: 83 Resp: 38549
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.3 80.3
 127 8.2 5.9 8.9

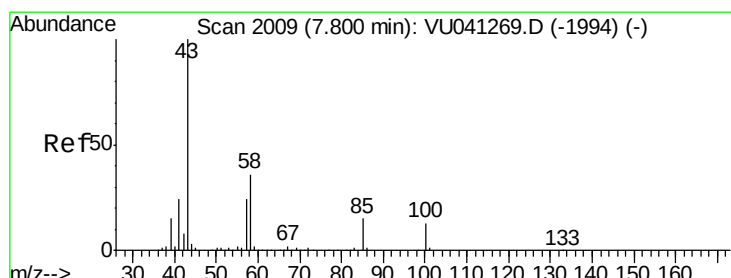
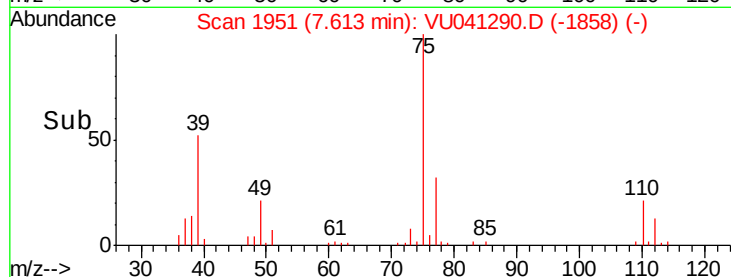
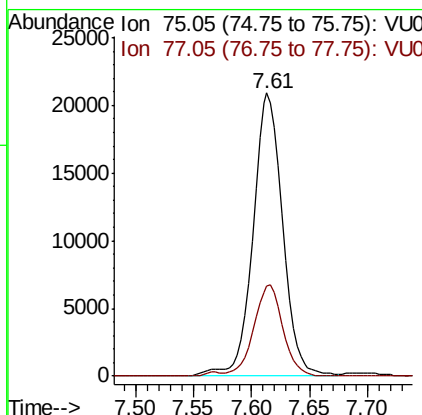
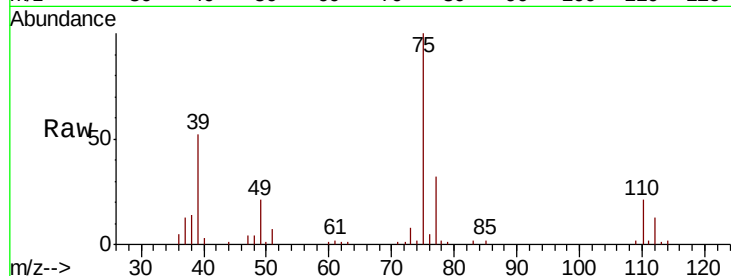




#39
 cis-1,3-Dichloropropene
 Concen: 4.791 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

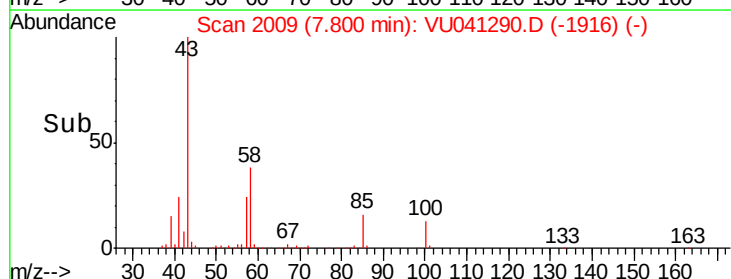
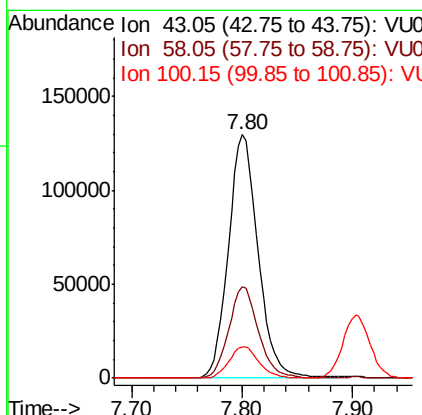
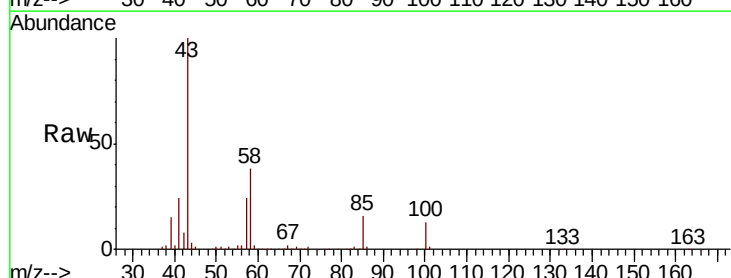
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

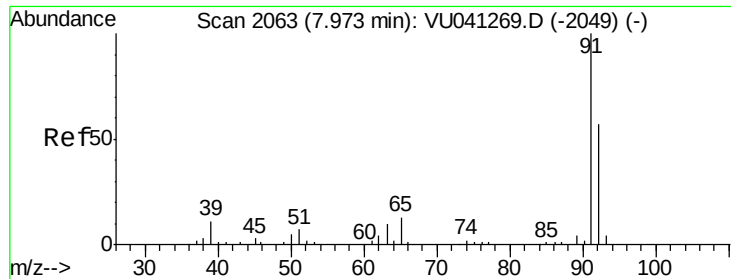
Tot Ion: 75 Resp: 37545
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 52.173 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion: 43 Resp: 242605
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.6
 100 12.9 10.5 15.7





#42

Toluene

Concen: 5.175 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

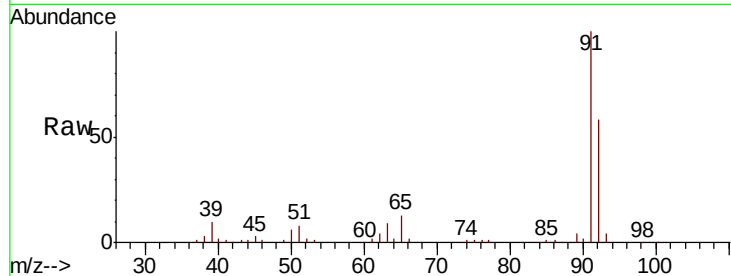
VSTD00525

Tot Ion: 91 Resp: 106309

Ion Ratio Lower Upper

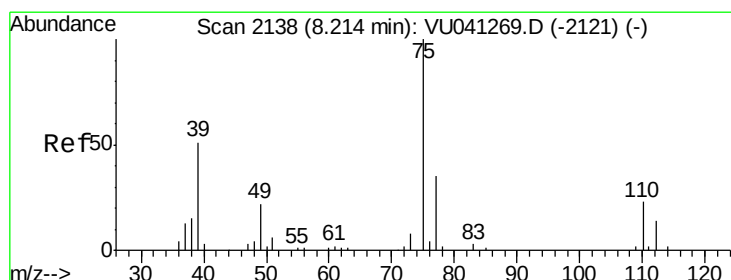
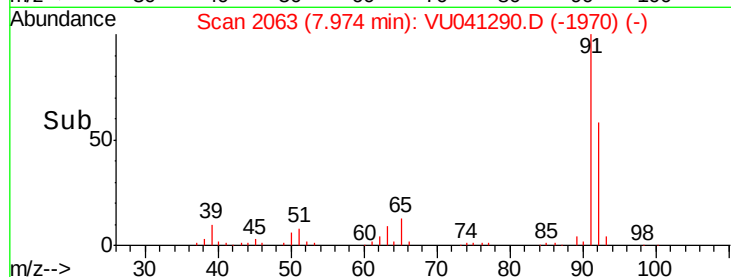
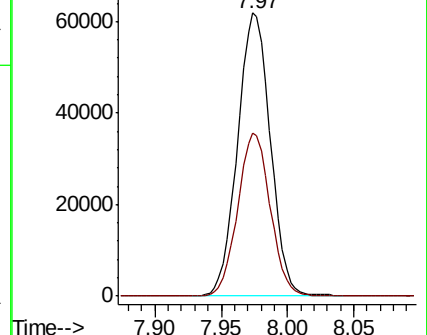
91 100

92 57.6 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041269.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041269.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.718 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041290.D

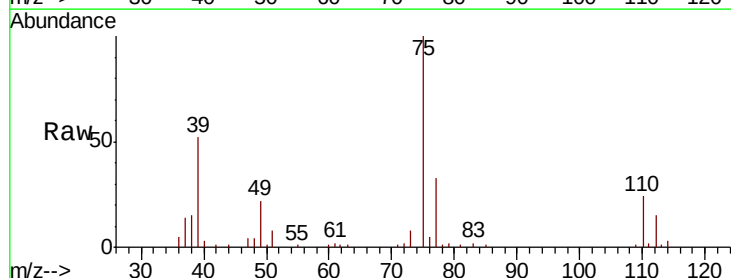
Acq: 17 Nov 2020 20:37

Tgt Ion: 75 Resp: 34975

Ion Ratio Lower Upper

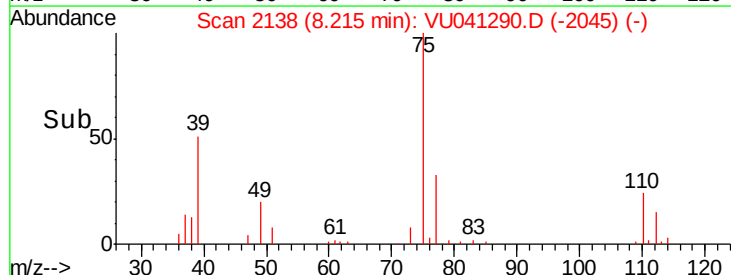
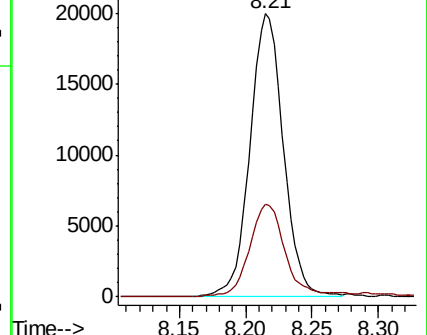
75 100

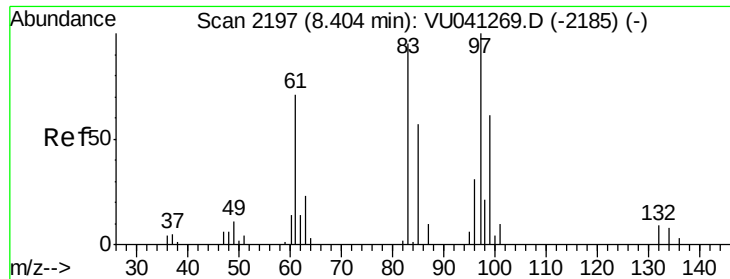
77 32.8 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041269.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041269.D (-2121) (-)

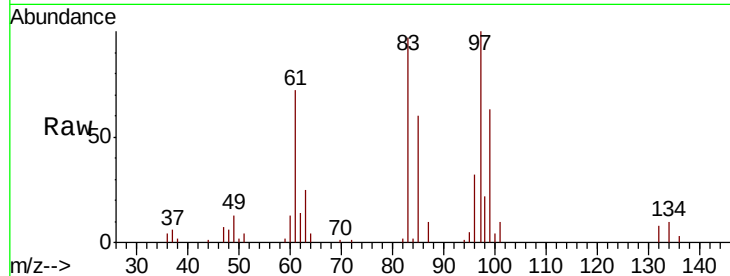




#45
 1,1,2-Trichloroethane
 Concen: 5.073 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:	97	Resp:	22046
Ion	Ratio	Lower	Upper
97	100		
99	63.0	45.8	85.2
83	96.9	67.9	126.1
85	59.7	42.8	79.6



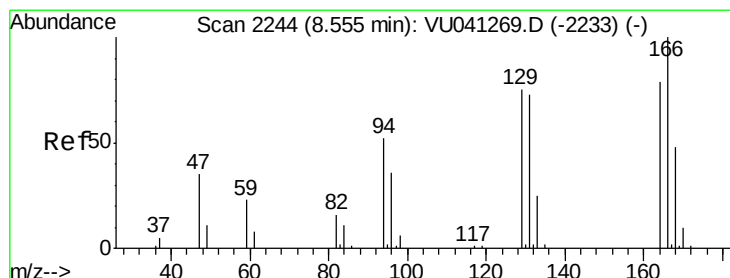
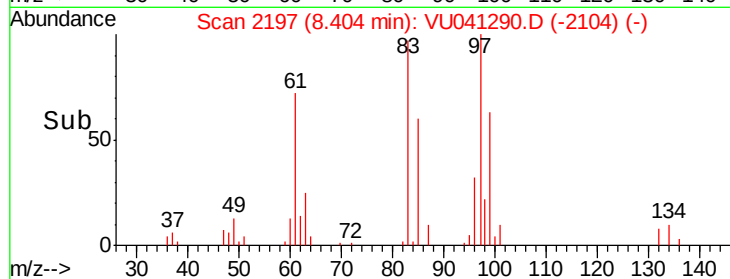
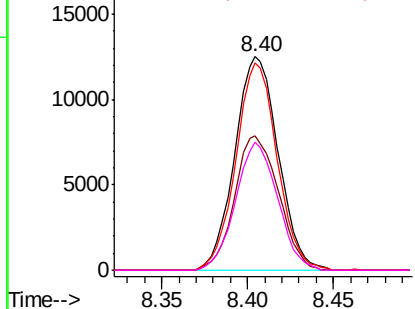
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

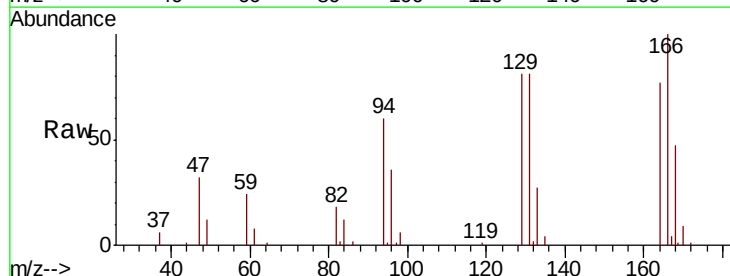
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.677 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion:	164	Resp:	17956
Ion	Ratio	Lower	Upper
164	100		
129	105.0	70.3	130.7
131	104.9	70.8	131.4
166	129.9	92.0	170.8



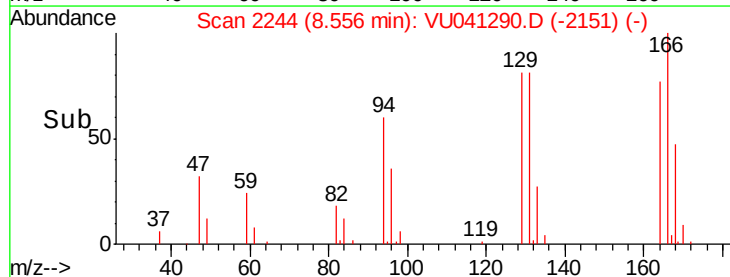
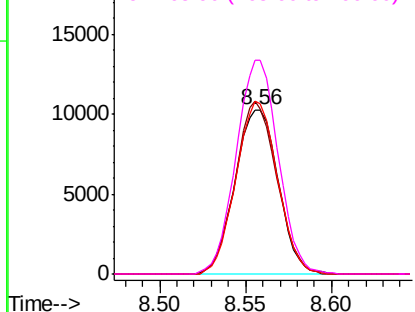
Abundance

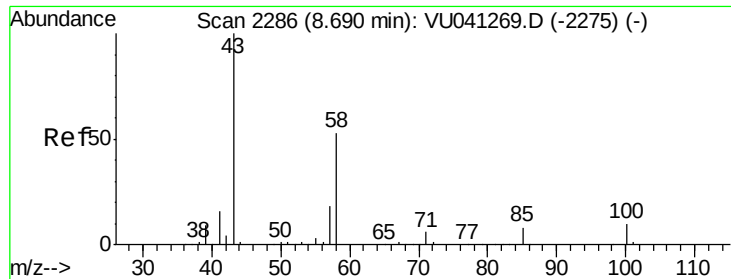
Ion 163.90 (163.60 to 164.60): V

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

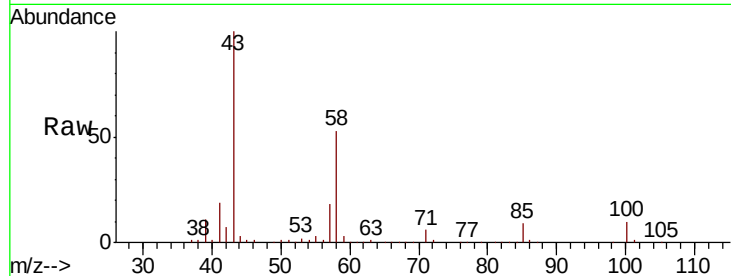




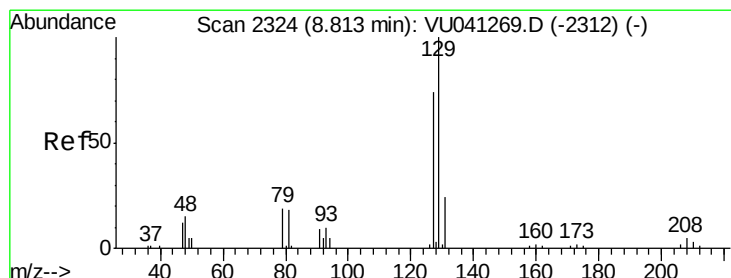
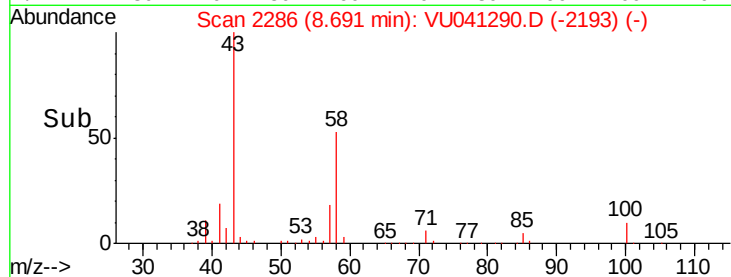
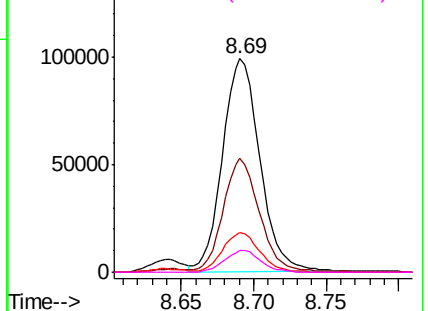
#48
2-Hexanone
Concen: 50.856 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:	43	Resp:	176527
Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.4	62.2
57	18.5	14.6	21.8
100	10.1	8.3	12.5

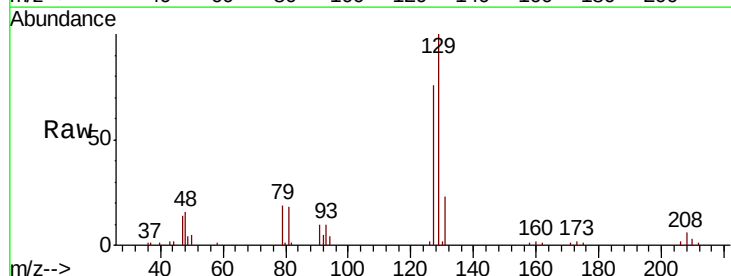


Abundance Ion 43.05 (42.75 to 43.75): VU041290.D (-2286) (-)

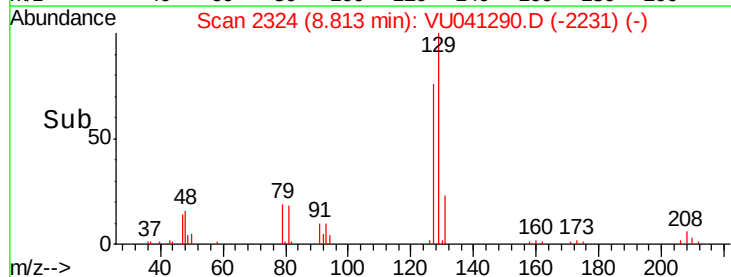
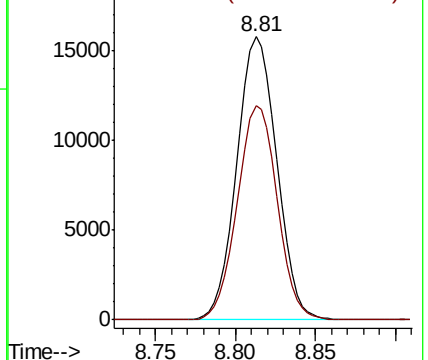


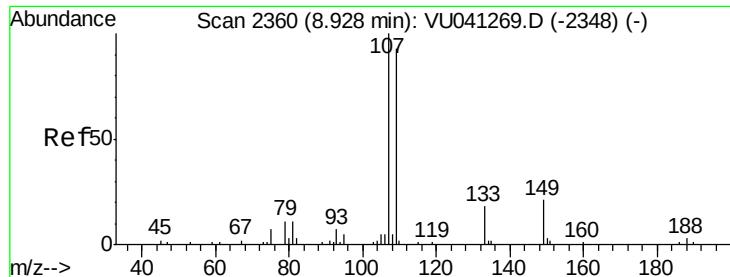
#49
Dibromochloromethane
Concen: 5.217 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion:	129	Resp:	26863
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041290.D (-2324) (-)

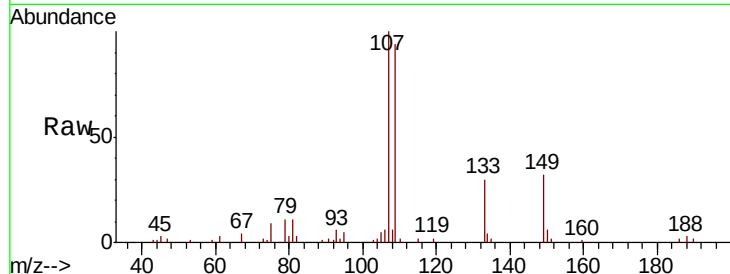




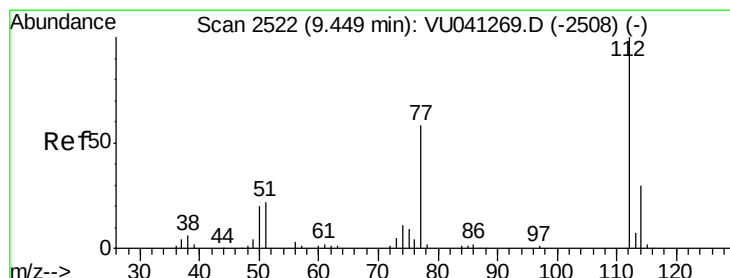
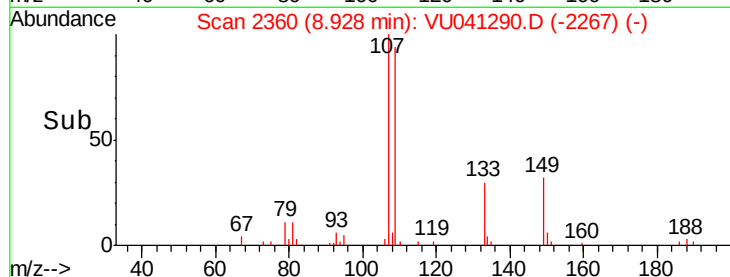
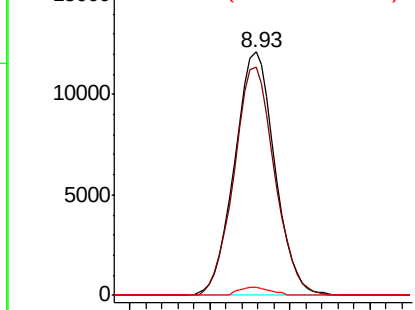
#50
 1,2-Dibromoethane
 Concen: 5.144 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:107 Resp: 20736
 Ion Ratio Lower Upper
 107 100
 109 93.7 65.6 121.8
 188 3.4 2.9 4.3

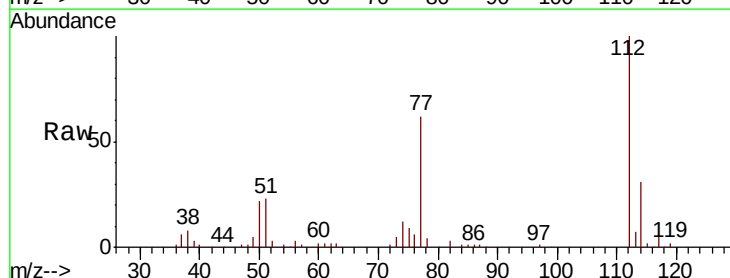


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

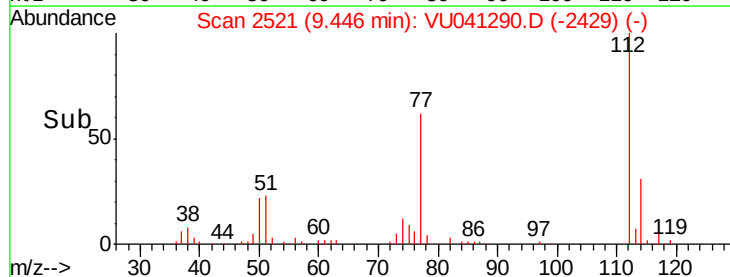
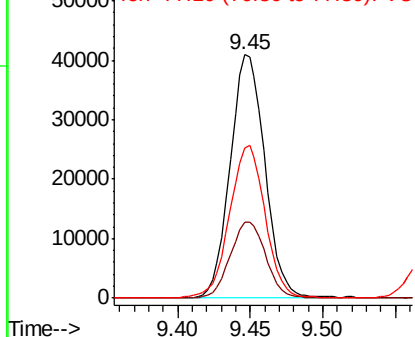


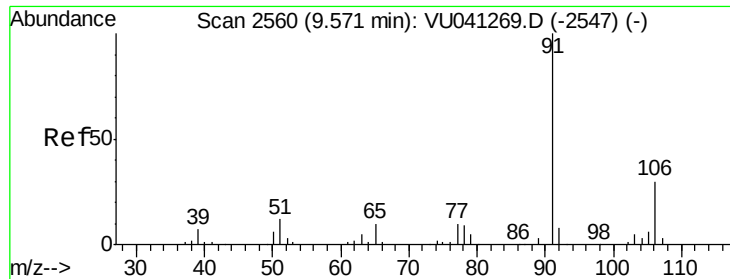
#51
 Chlorobenzene
 Concen: 5.001 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion:112 Resp: 68055
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.4 41.6
 77 61.5 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): VU





#52

Ethylbenzene

Concen: 4.975 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

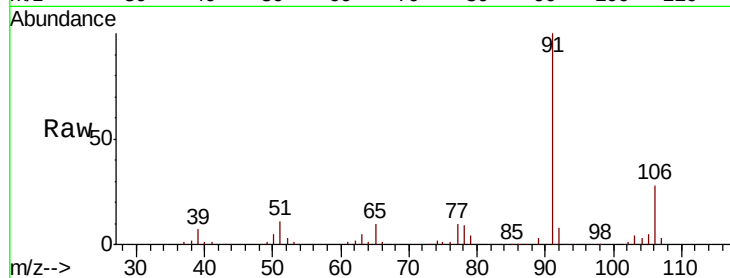
VSTD00525

Tot Ion: 91 Resp: 109149

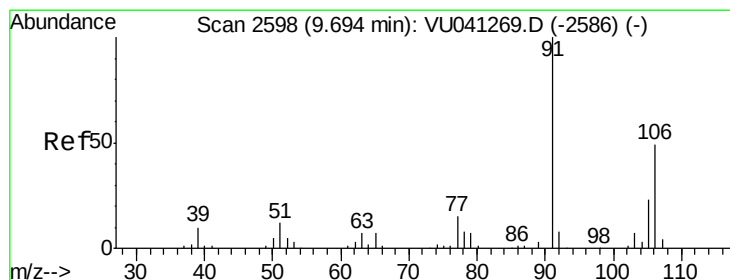
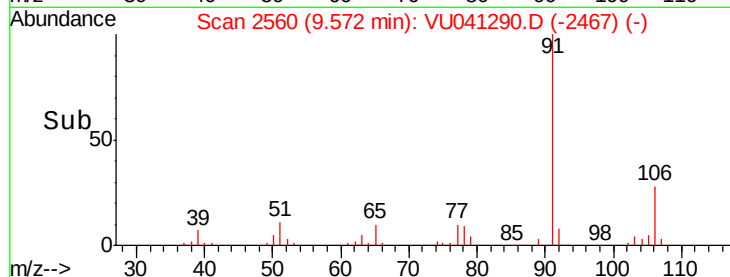
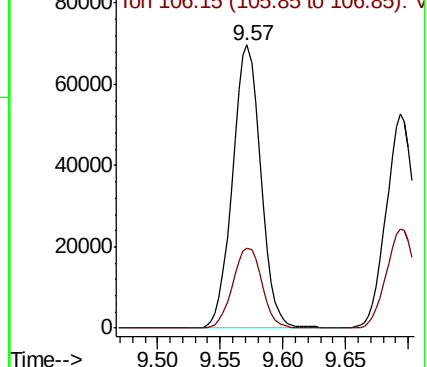
Ion Ratio Lower Upper

91 100

106 28.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041290.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.120 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041290.D

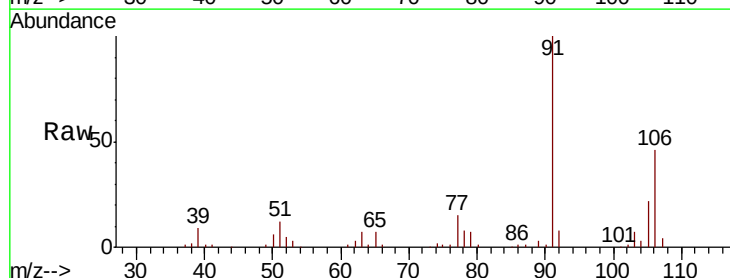
Acq: 17 Nov 2020 20:37

Tgt Ion: 106 Resp: 40595

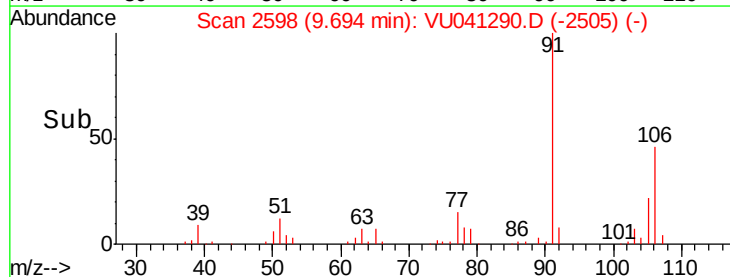
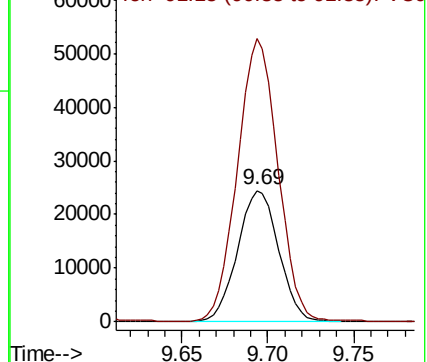
Ion Ratio Lower Upper

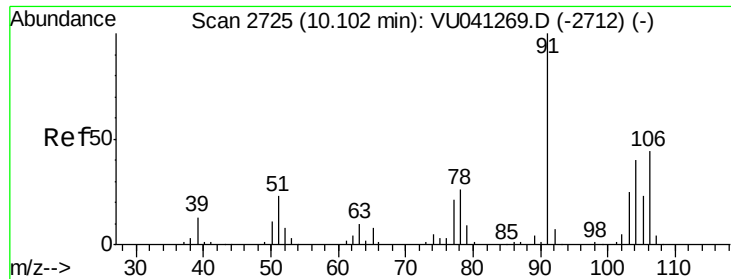
106 100

91 215.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041290.D (-2586) (-)

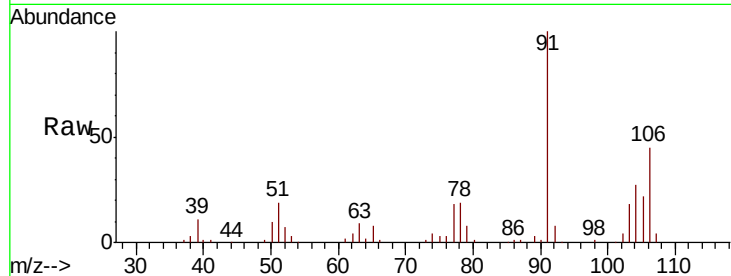




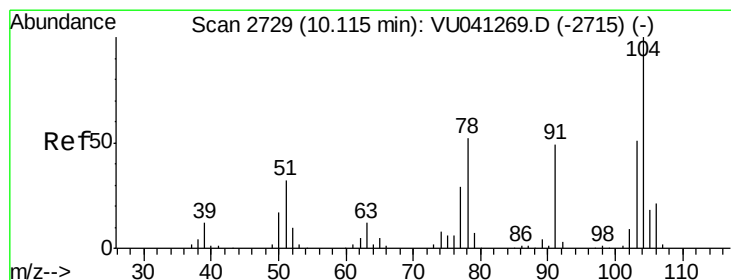
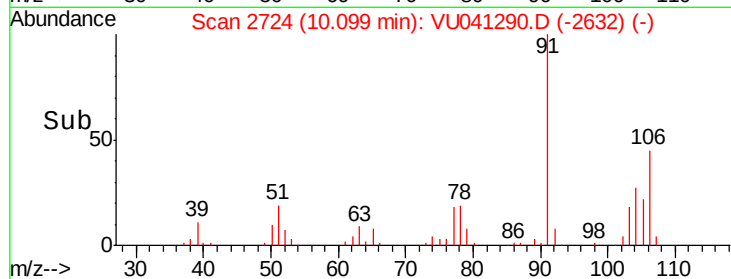
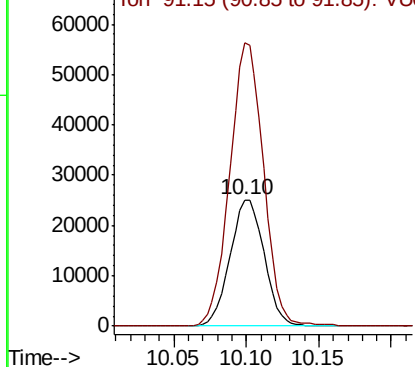
#54
o-Xylene
Concen: 5.366 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:106 Resp: 40983
Ion Ratio Lower Upper
106 100
91 223.7 154.3 286.5

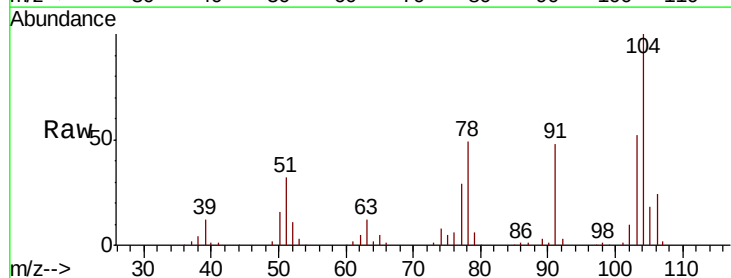


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

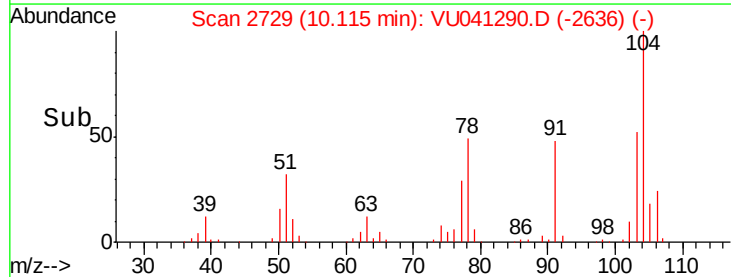
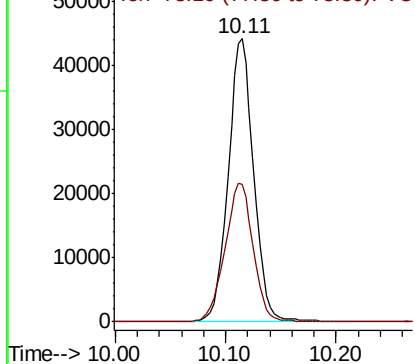


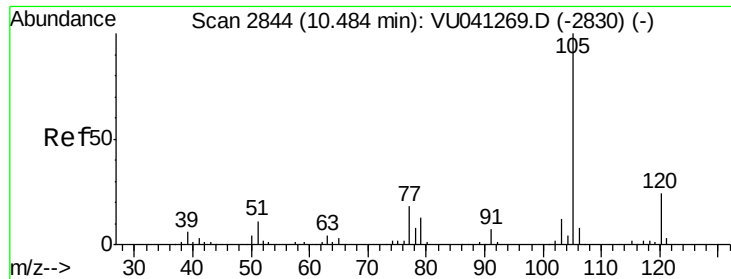
#55
Styrene
Concen: 5.215 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041290.D
Acq: 17 Nov 2020 20:37

Tgt Ion:104 Resp: 70524
Ion Ratio Lower Upper
104 100
78 48.8 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: 5.337 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

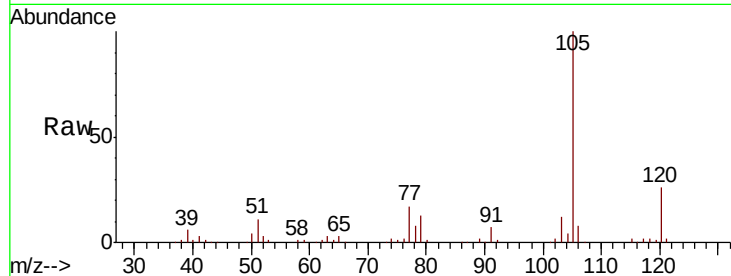
Tot Ion:105 Resp: 107974

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

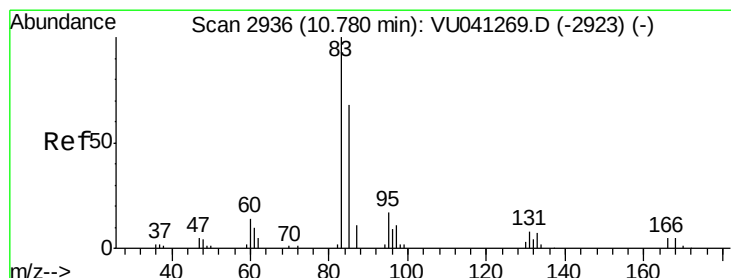
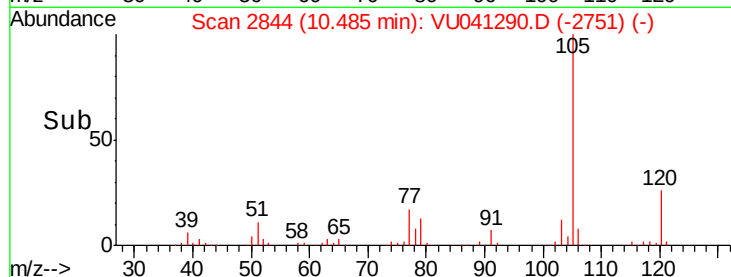
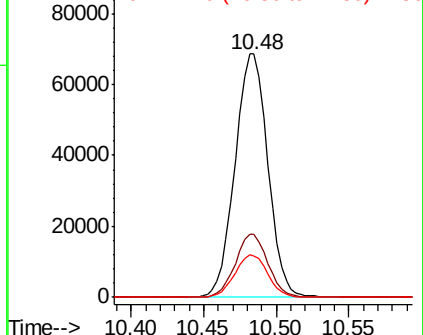
77 17.4 13.8 20.6



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: 5.117 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

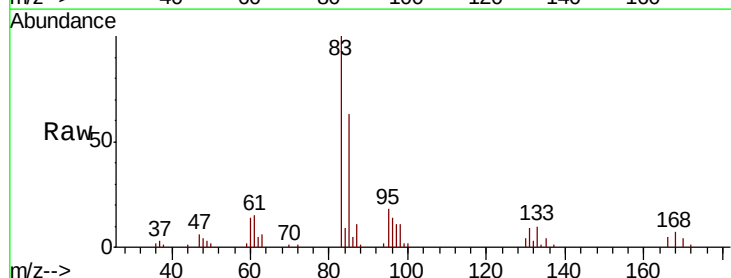
Tgt Ion: 83 Resp: 29065

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.4

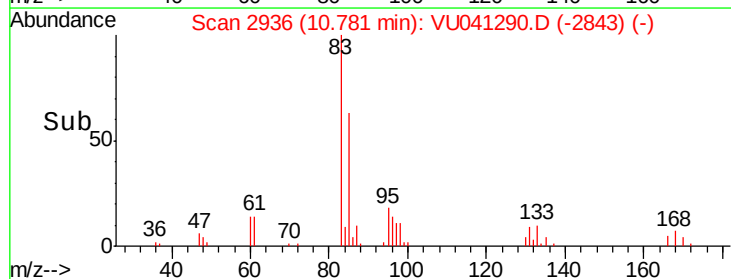
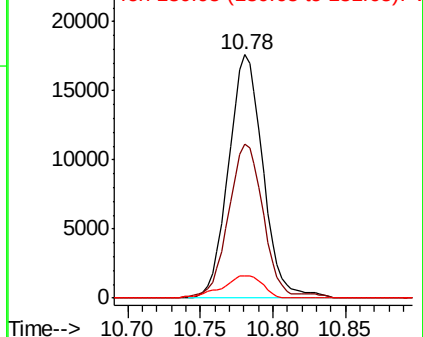
131 9.0 7.7 11.5

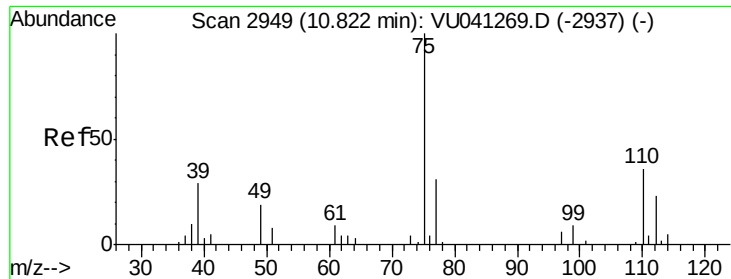


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.078 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

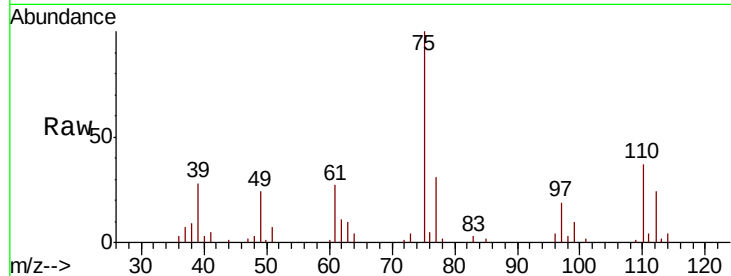
VSTD00525

Tot Ion: 75 Resp: 22501

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041269.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041269.D (-2937) (-)

10.82

15000

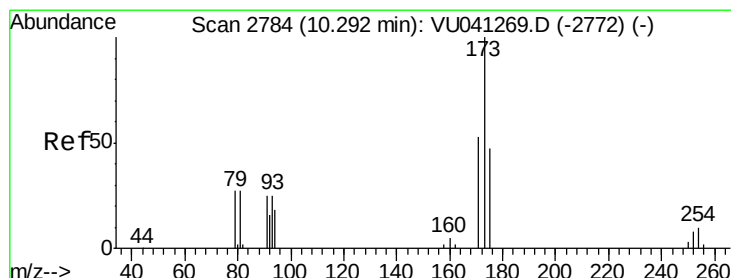
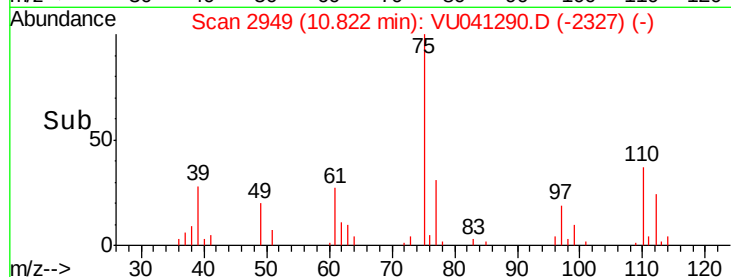
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.919 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

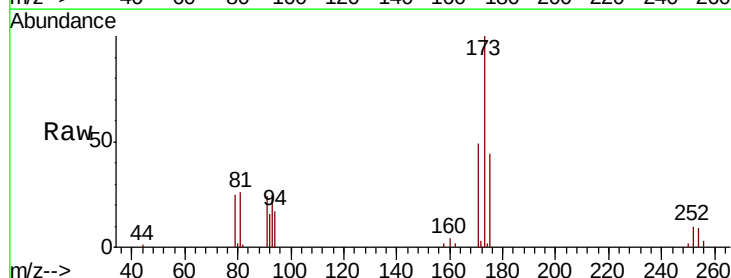
Tgt Ion: 173 Resp: 15627

Ion Ratio Lower Upper

173 100

175 46.3 37.6 56.4

254 9.2 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041269.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041269.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041269.D (-2772) (-)

10.29

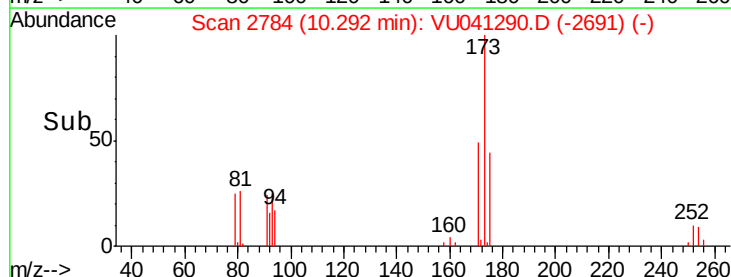
10000

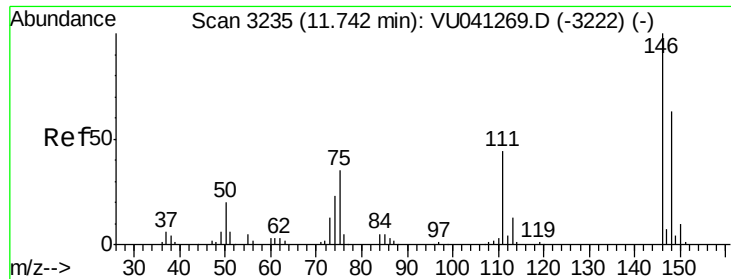
5000

0

Time-->

10.25 10.30 10.35

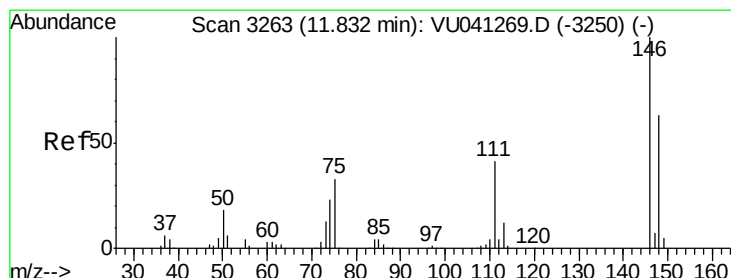
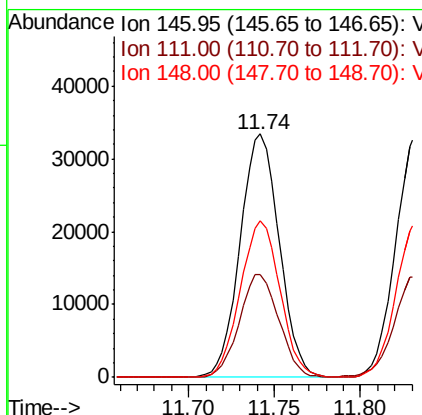
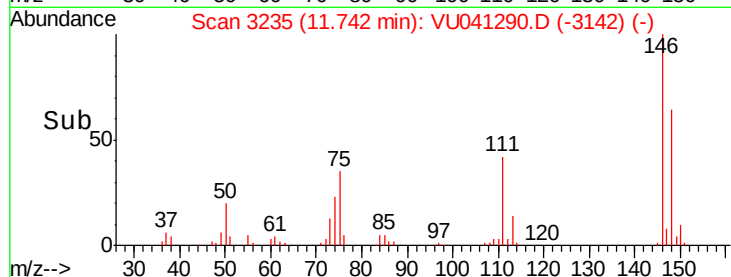
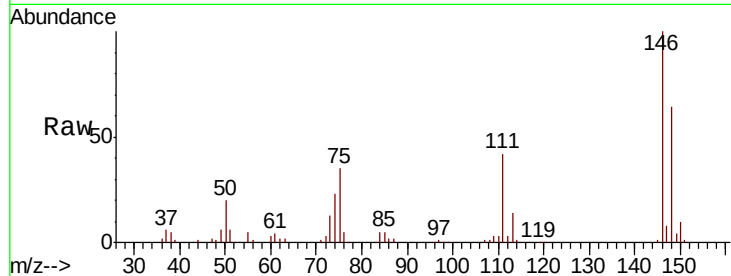




#62
 1,3-Dichlorobenzene
 Concen: 5.056 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

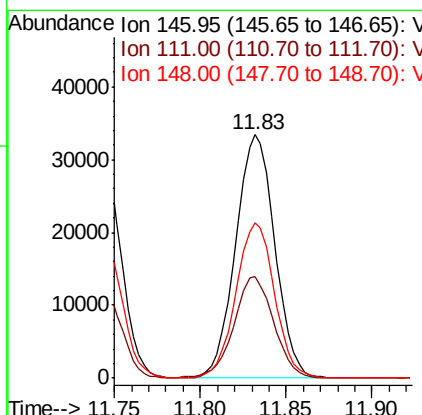
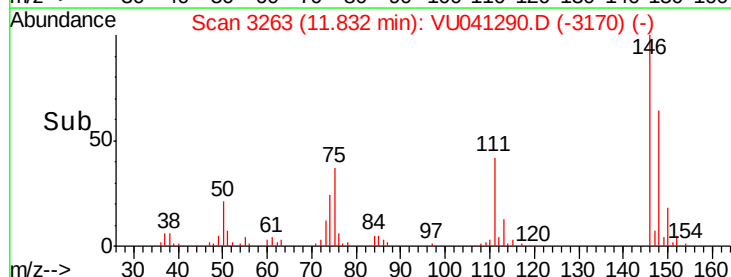
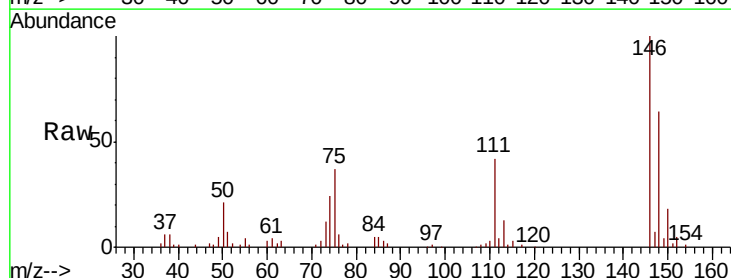
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

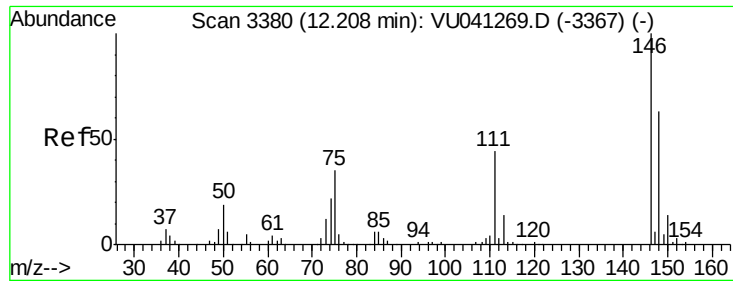
Tot Ion:146 Resp: 52792
 Ion Ratio Lower Upper
 146 100
 111 42.4 30.9 57.3
 148 64.4 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 4.925 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion:146 Resp: 52983
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.3 52.7
 148 63.9 44.2 82.2

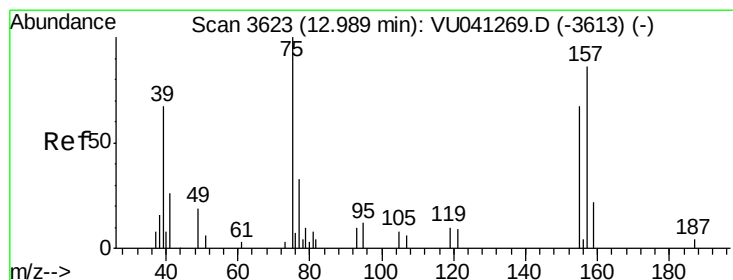
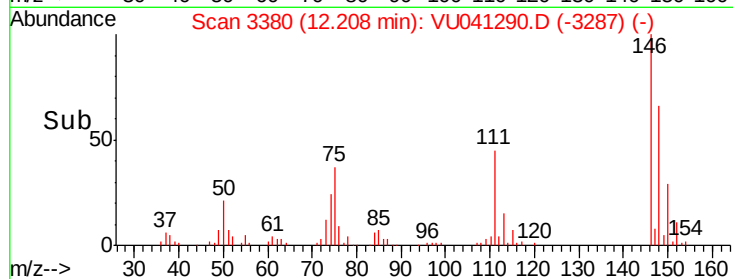
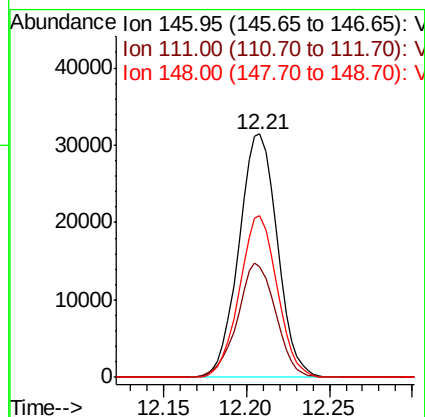
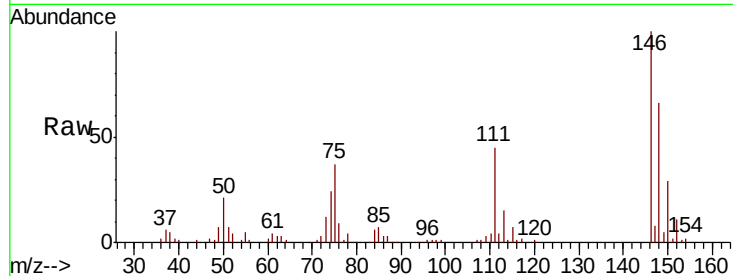




#65
 1,2-Dichlorobenzene
 Concen: 4.889 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

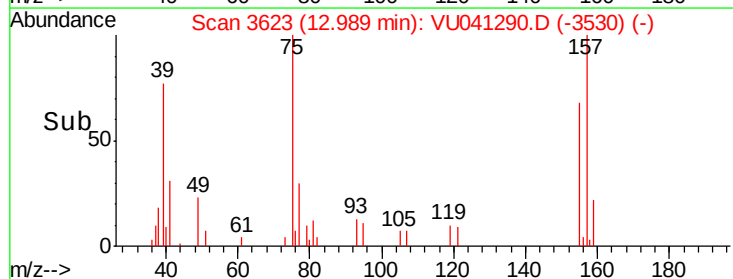
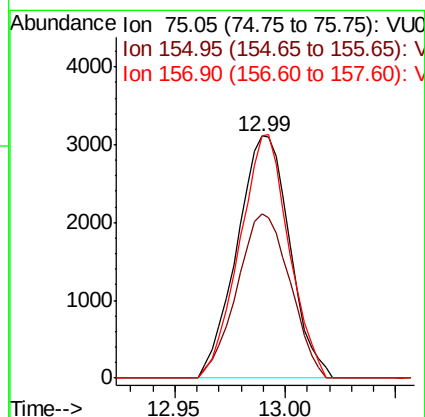
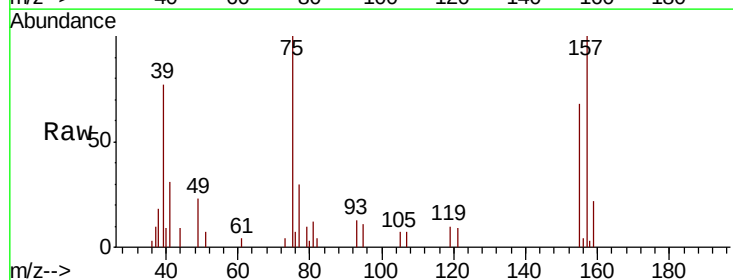
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

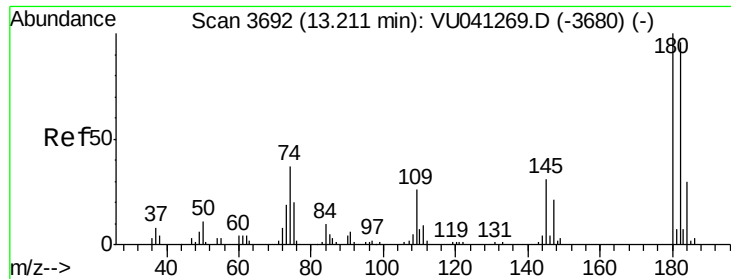
Tot Ion:146 Resp: 50771
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.0 52.6
 148 66.5 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.332 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion: 75 Resp: 5140
 Ion Ratio Lower Upper
 75 100
 155 68.0 61.4 92.2
 157 100.3 74.2 111.4

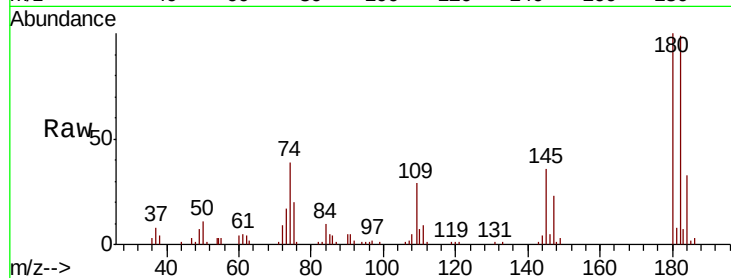




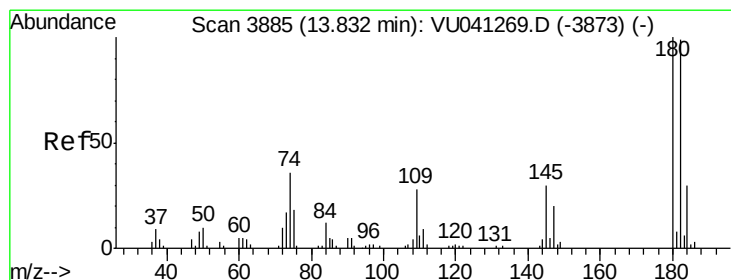
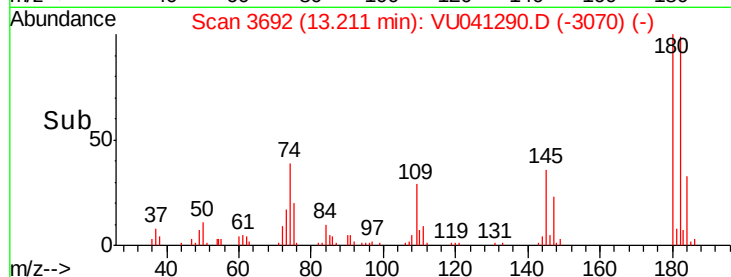
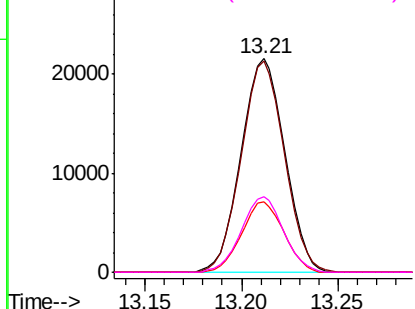
#67
 1,3,5-Trichlorobenzene
 Concen: 4.548 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:180 Resp: 33821
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.7 113.5
 184 31.9 23.7 35.5
 145 34.4 26.1 39.1

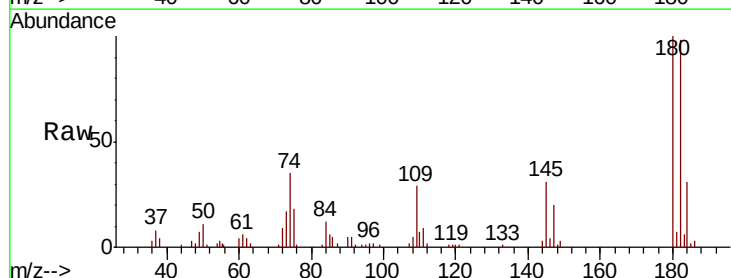


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

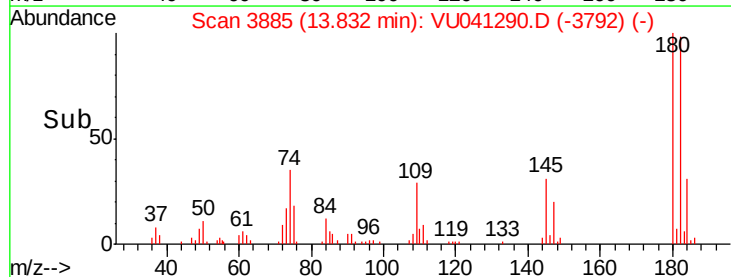
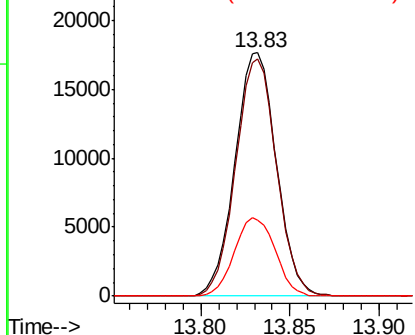


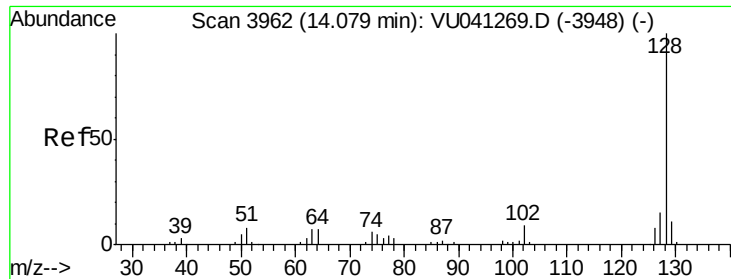
#68
 1,2,4-trichlorobenzene
 Concen: 4.630 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041290.D
 Acq: 17 Nov 2020 20:37

Tgt Ion:180 Resp: 28599
 Ion Ratio Lower Upper
 180 100
 182 96.1 73.5 110.3
 145 31.9 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: 5.073 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

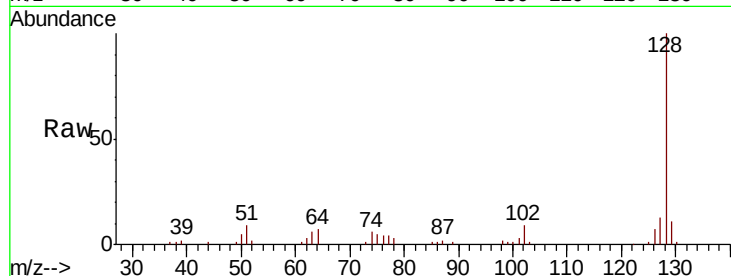
Tot Ion:128 Resp: 50737

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

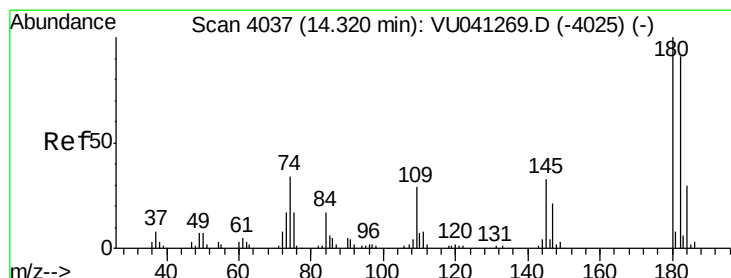
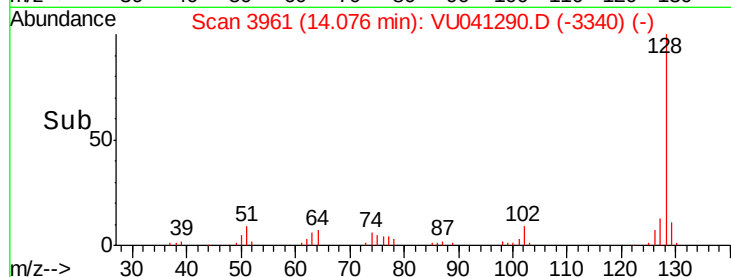
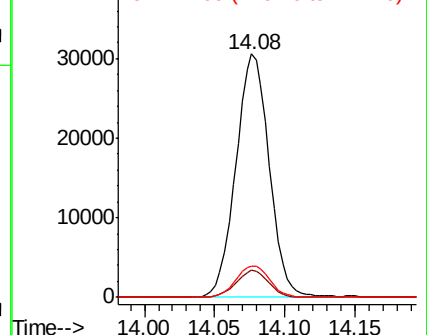
127 12.9 10.8 16.2



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: 4.972 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041290.D

Acq: 17 Nov 2020 20:37

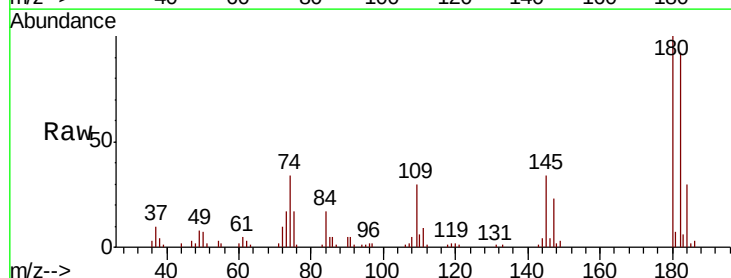
Tgt Ion:180 Resp: 28520

Ion Ratio Lower Upper

180 100

182 92.5 77.7 116.5

145 34.3 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

