

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041237.D
 Acq On : 16 Nov 2020 09:47
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Nov 16 10:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 10:17:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	72606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77767	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52906	8.67	ug/L	0.00
7) Chloroethane-d5	1.92	69	45462	9.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	107177	8.96	ug/L	0.00
20) 2-Butanone-d5	4.65	46	227813	113.41	ug/L	0.00
24) Chloroform-d	5.08	84	116378	10.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	72835	10.89	ug/L	0.00
32) Benzene-d6	5.74	84	213133	10.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	75632	11.17	ug/L	0.00
41) Toluene-d8	7.91	98	216153	11.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	34364	11.71	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	198562	125.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	70271	11.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	73978	11.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	59437	8.967 ug/L	99
3) Chloromethane	1.53	50	62108	8.986 ug/L	99
5) Vinyl chloride	1.61	62	62908	9.226 ug/L	99
6) Bromomethane	1.87	94	36348	9.300 ug/L	95
8) Chloroethane	1.94	64	39419	9.124 ug/L	99
9) Trichlorofluoromethane	2.15	101	94265	10.171 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	51407	9.464 ug/L	96
12) 1,1-Dichloroethene	2.59	96	44672	8.710 ug/L	97
13) Acetone	2.66	43	141338	102.918 ug/L	# 55
14) Carbon disulfide	2.81	76	132655	7.740 ug/L	100
15) Methyl Acetate	2.97	43	30492	9.703 ug/L	98
16) Methylene chloride	3.06	84	54310	9.088 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	136862	10.369 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	46828	8.984 ug/L	95
19) 1,1-Dichloroethane	3.89	63	102196	9.808 ug/L	98
21) 2-Butanone	4.73	43	223156	103.969 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	52395	9.746 ug/L	100
23) Bromochloromethane	4.99	128	27391	10.799 ug/L	92
25) Chloroform	5.11	83	105936	10.138 ug/L	99
27) 1,2-Dichloroethane	5.81	62	78904	10.138 ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	90355	9.500 ug/L	96
30) Cyclohexane	5.41	56	83530	8.914 ug/L	100
31) Carbon tetrachloride	5.54	117	80678	9.579 ug/L	98
33) Benzene	5.79	78	215562	9.277 ug/L	100
34) Trichloroethene	6.55	95	56248	9.512 ug/L	97
35) Methylcyclohexane	6.77	83	81301	9.217 ug/L	96
37) 1,2-Dichloropropane	6.80	63	62041	9.867 ug/L	98
38) Bromodichloromethane	7.11	83	77931	9.555 ug/L	# 96
39) cis-1,3-Dichloropropene	7.61	75	91557	10.576 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	565624	112.827 ug/L	100

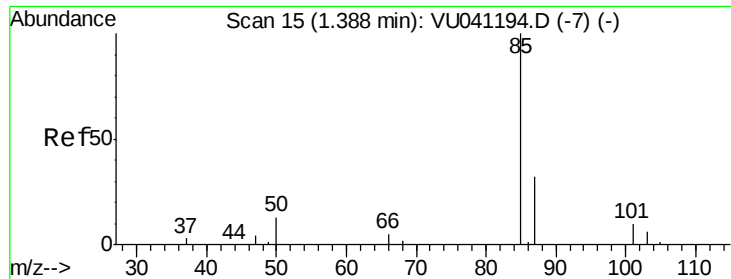
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041237.D
 Acq On : 16 Nov 2020 09:47
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Quant Time: Nov 16 10:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 10:17:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	243995	10.355	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	88621	10.939	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	48573	10.378	ug/L	95
47) Tetrachloroethene	8.56	164	42759	9.834	ug/L	98
48) 2-Hexanone	8.69	43	428088	113.407	ug/L	99
49) Dibromochloromethane	8.81	129	59501	10.947	ug/L	99
50) 1,2-Dibromoethane	8.93	107	46003	10.314	ug/L	98
51) Chlorobenzene	9.45	112	151550	10.143	ug/L	99
52) Ethylbenzene	9.57	91	257643	10.388	ug/L	99
53) m,p-Xylene	9.69	106	98062	10.841	ug/L	98
54) o-Xylene	10.10	106	92921	11.030	ug/L	97
55) Styrene	10.11	104	167181	11.138	ug/L	99
56) Isopropylbenzene	10.48	105	254789	11.248	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	62281	10.132	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	49429	10.548	ug/L	99
61) Bromoform	10.29	173	35116	11.918	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	114159	10.344	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	115759	10.128	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	109057	10.014	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10807	10.125	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	78415	10.159	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	67362	10.535	ug/L	97
69) Naphthalene	14.08	128	129701	11.344	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	64015	10.863	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 8.967 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

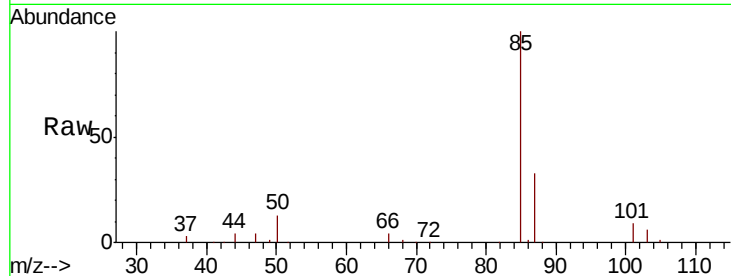
VSTD01005

Tot Ion: 85 Resp: 59437

Ion Ratio Lower Upper

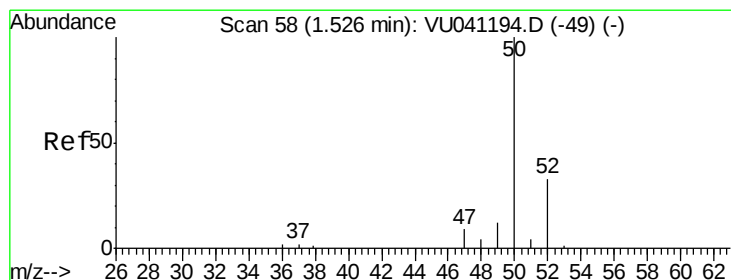
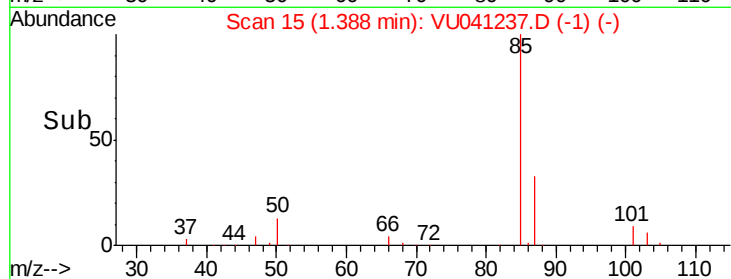
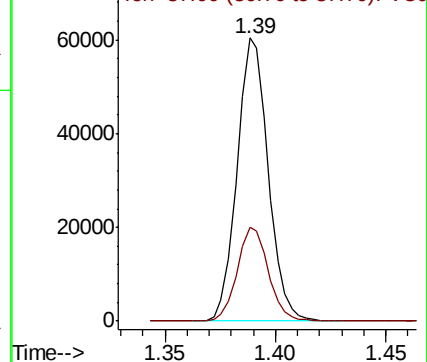
85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 8.986 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041237.D

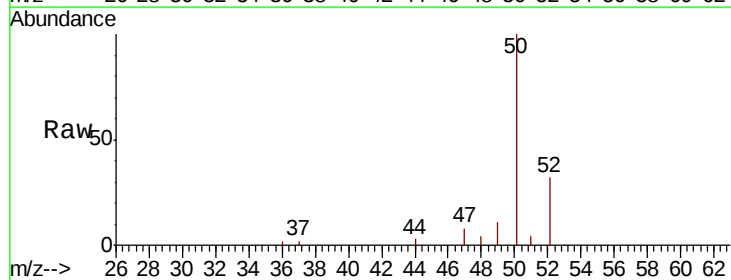
Acq: 16 Nov 2020 09:47

Tgt Ion: 50 Resp: 62108

Ion Ratio Lower Upper

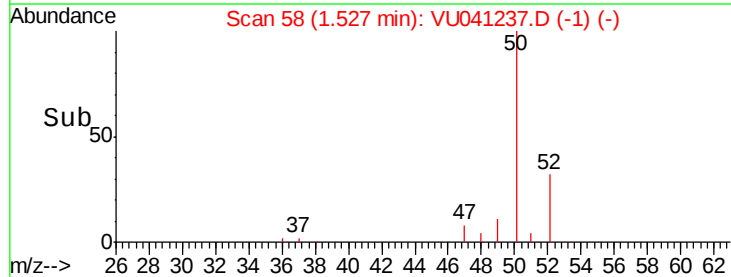
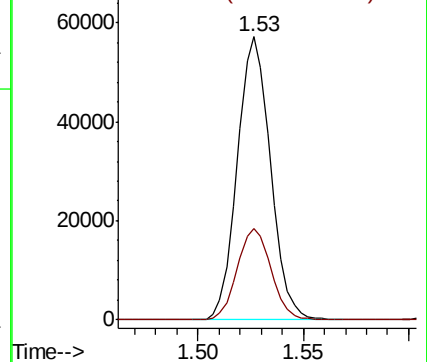
50 100

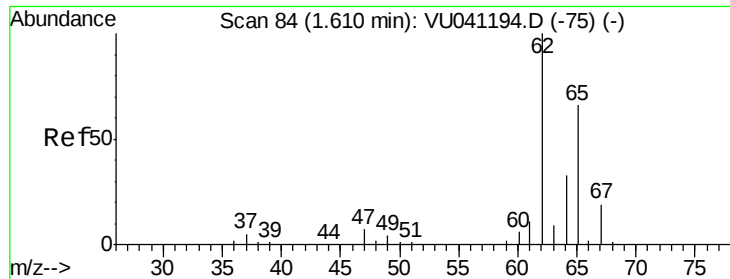
52 32.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.226 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

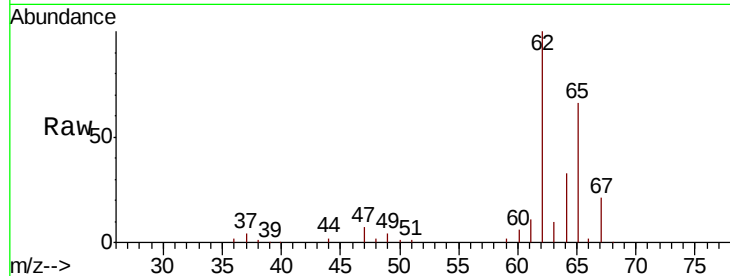
VSTD01005

Tot Ion: 62 Resp: 62908

Ion Ratio Lower Upper

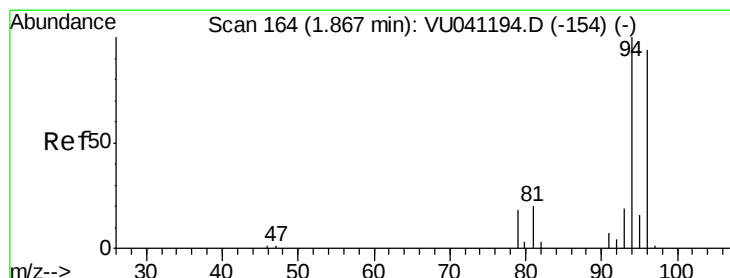
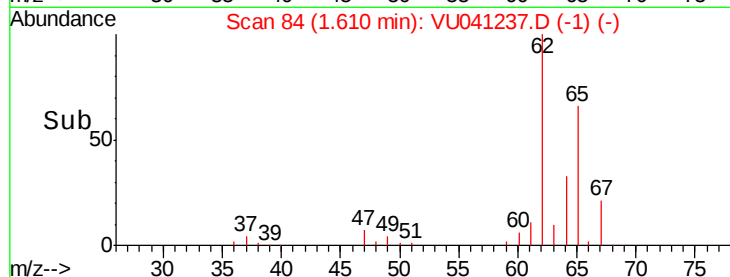
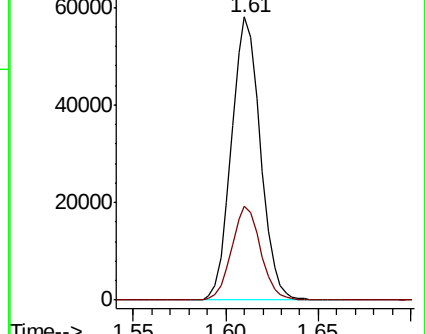
62 100

64 33.1 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: 9.300 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041237.D

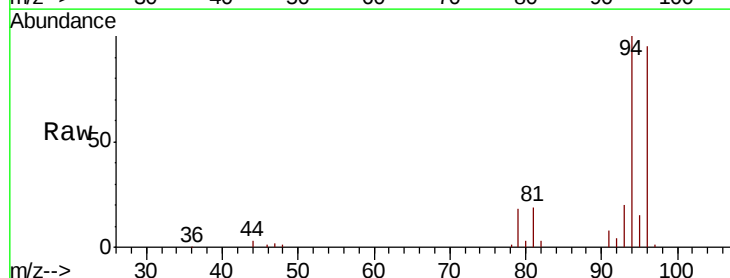
Acq: 16 Nov 2020 09:47

Tgt Ion: 94 Resp: 36348

Ion Ratio Lower Upper

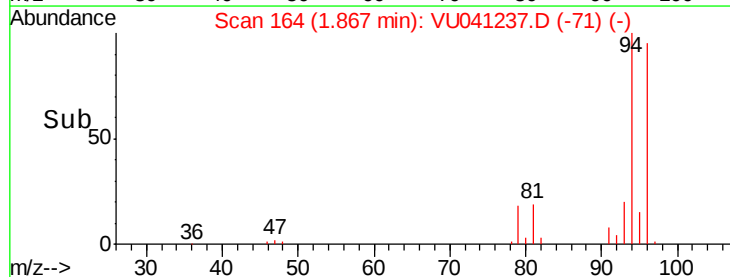
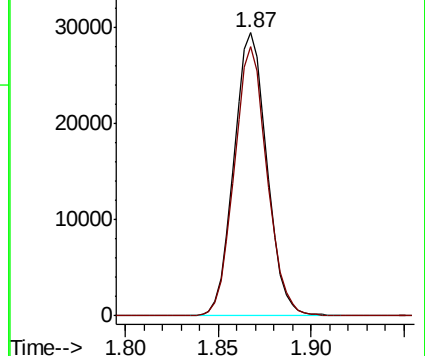
94 100

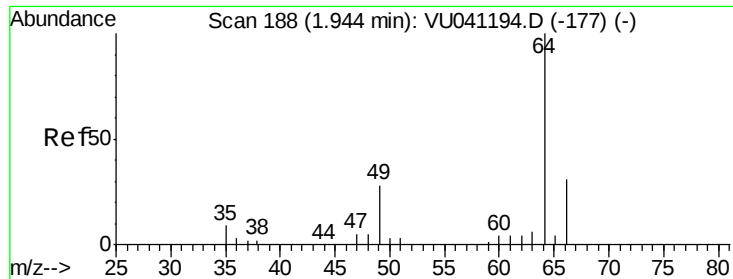
96 95.0 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.124 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

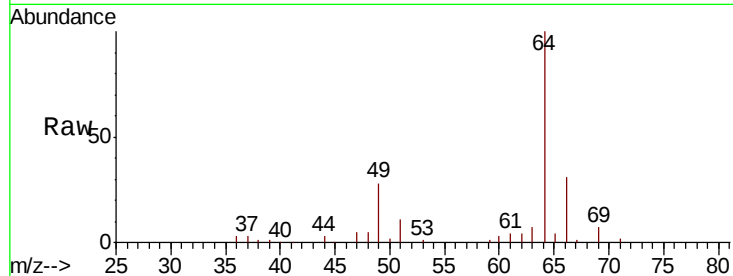
VSTD01005

Tot Ion: 64 Resp: 39419

Ion Ratio Lower Upper

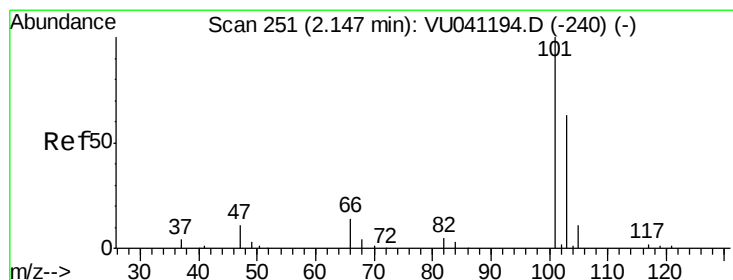
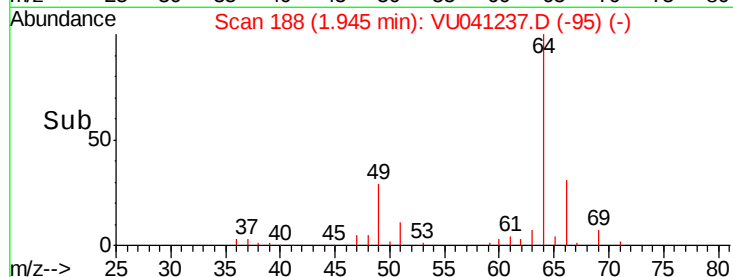
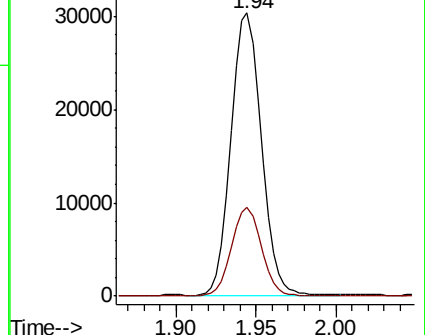
64 100

66 31.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041194.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041194.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 10.171 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041237.D

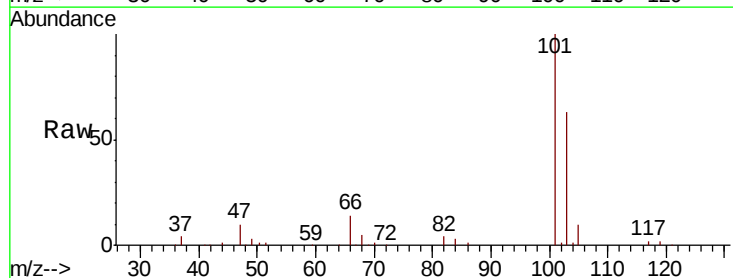
Acq: 16 Nov 2020 09:47

Tgt Ion:101 Resp: 94265

Ion Ratio Lower Upper

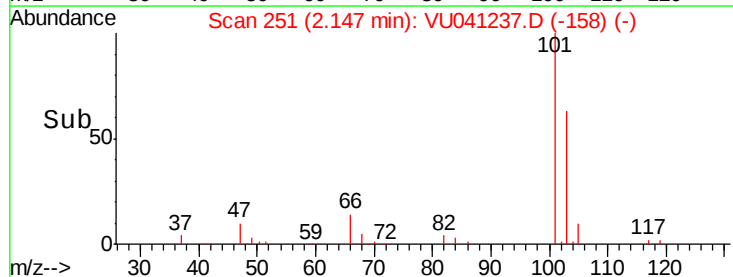
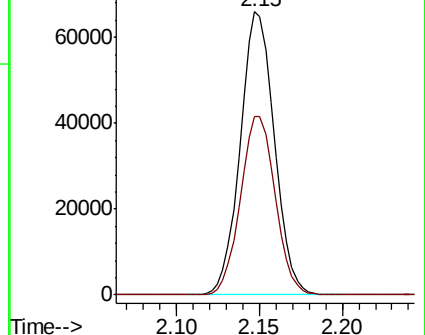
101 100

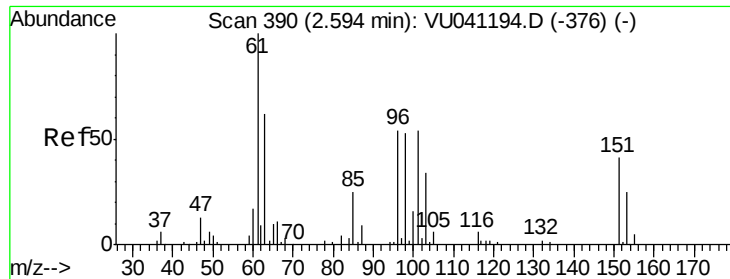
103 64.3 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041194.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041194.D (-240) (-)





#10

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

Concen: 9.464 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

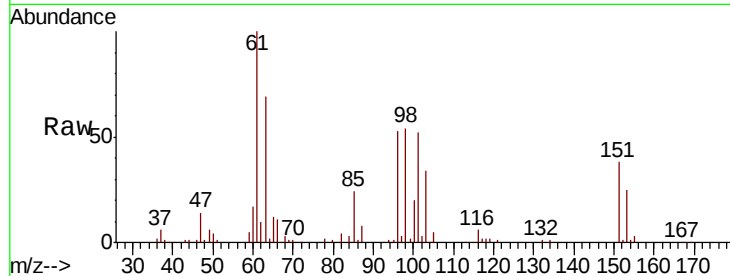
Tot Ion:101 Resp: 51407

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.4

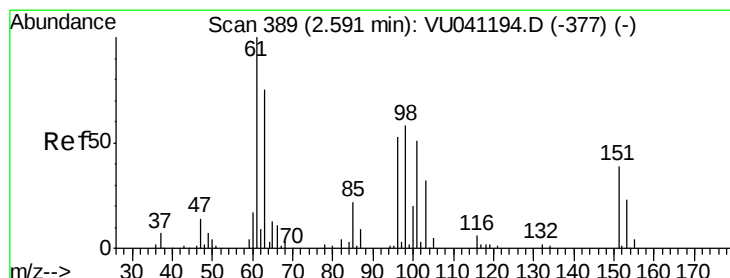
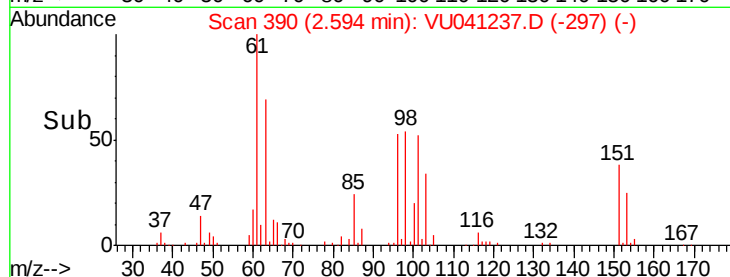
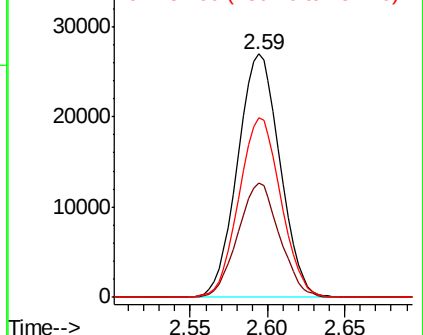
151 72.9 55.3 82.9



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: 8.710 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

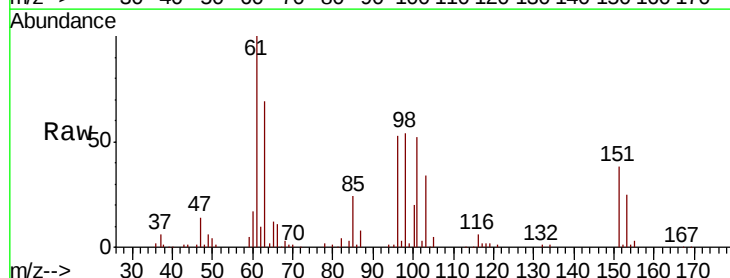
Tgt Ion: 96 Resp: 44672

Ion Ratio Lower Upper

96 100

61 187.9 134.3 249.5

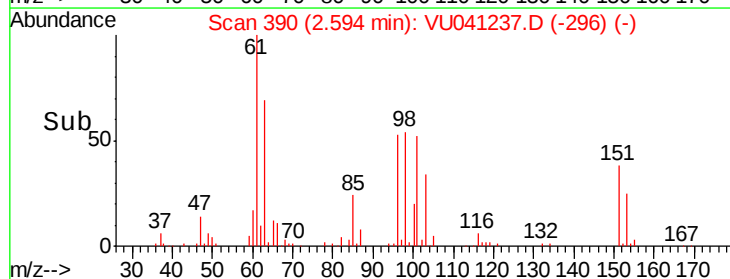
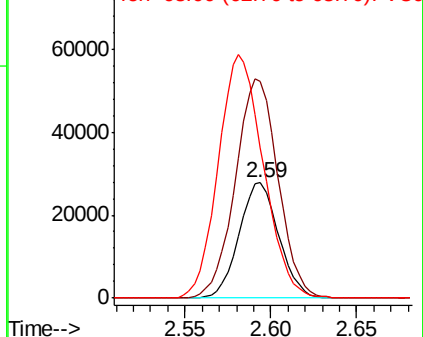
63 130.4 95.0 176.4

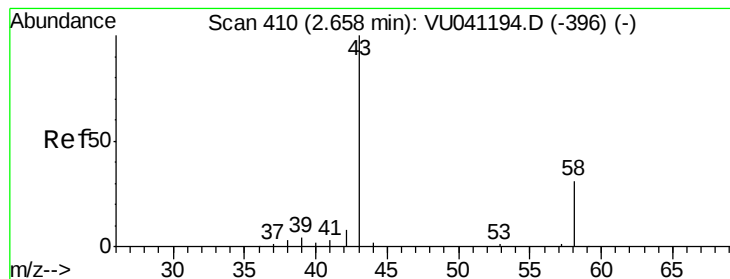


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.918 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

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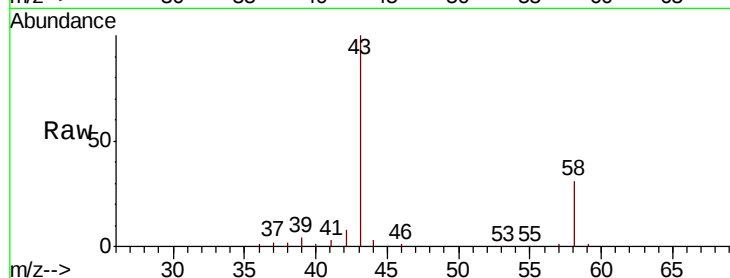
VSTD01005

Tot Ion: 43 Resp: 141338

Ion Ratio Lower Upper

43 100

58 30.3 0.0 25.4#

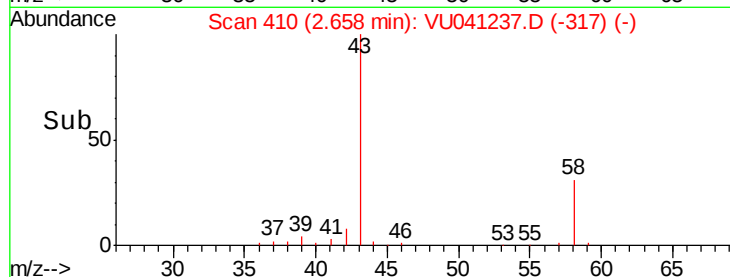


Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041194.D (-396) (-)

2.66

Time-->

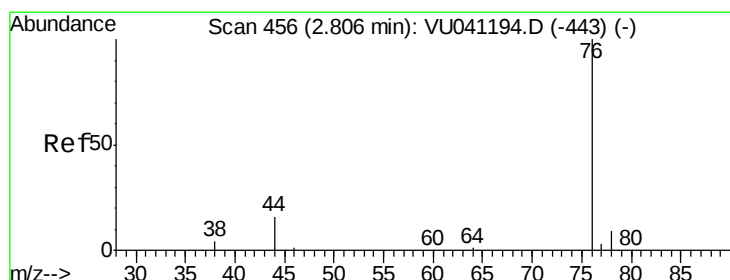


Abundance Ion 43.05 (42.75 to 43.75): VU041237.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041237.D (-317) (-)

2.66

Time-->



#14

Carbon disulfide

Concen: 7.740 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041237.D

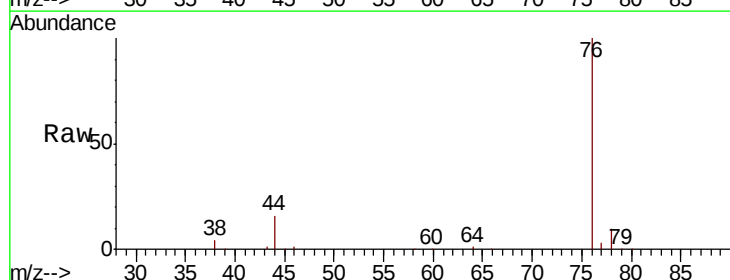
Acq: 16 Nov 2020 09:47

Tgt Ion: 76 Resp: 132655

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

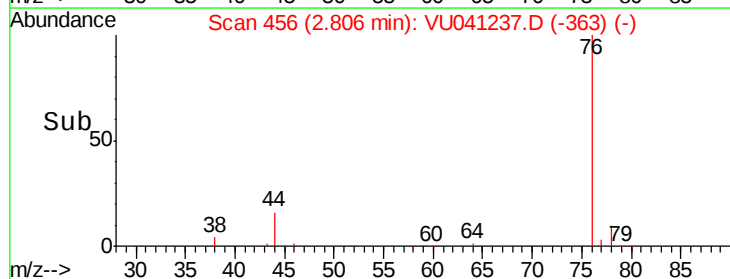


Abundance Ion 76.05 (75.75 to 76.75): VU041194.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041194.D (-443) (-)

2.81

Time-->

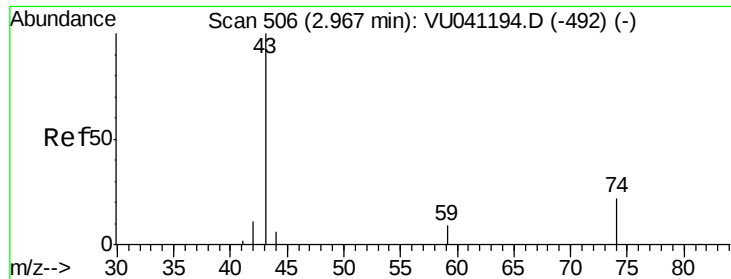


Abundance Ion 76.05 (75.75 to 76.75): VU041237.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041237.D (-363) (-)

2.81

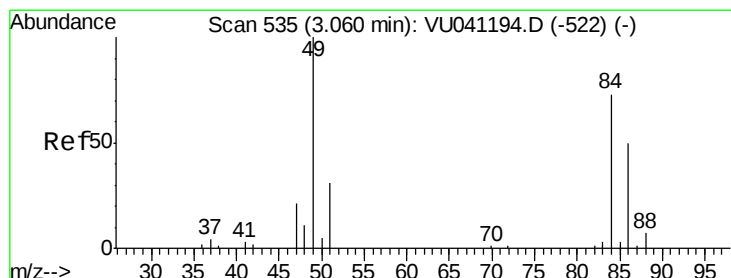
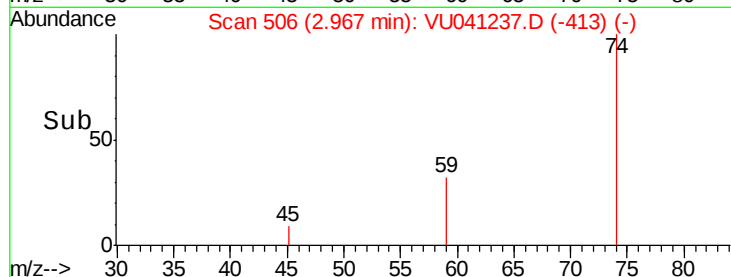
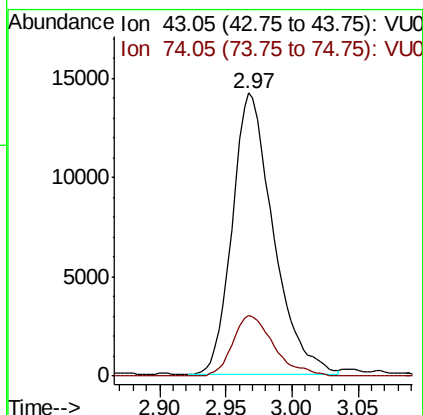
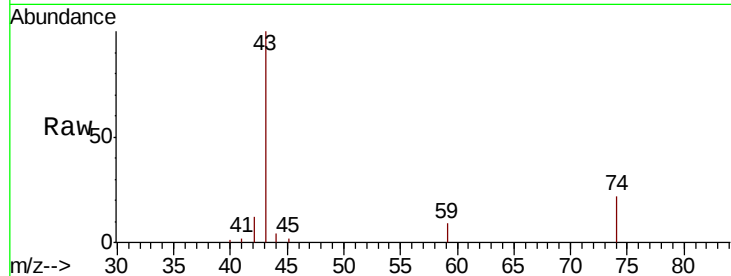
Time-->



#15
Methvl Acetate
Concen: 9.703 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

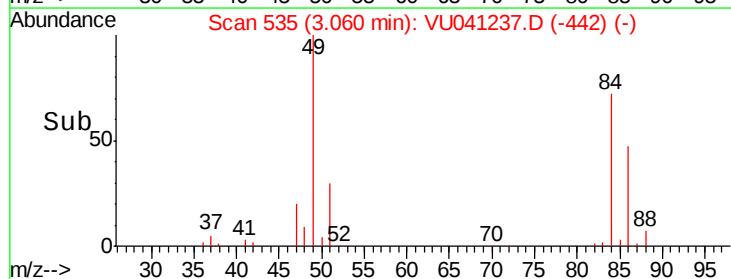
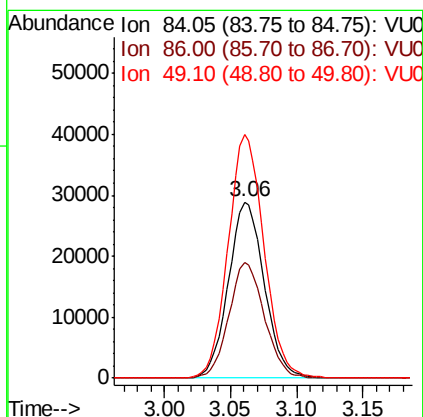
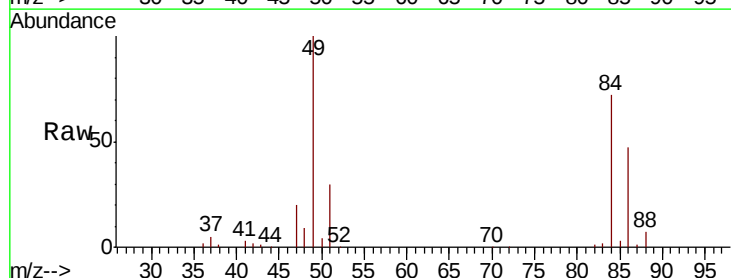
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

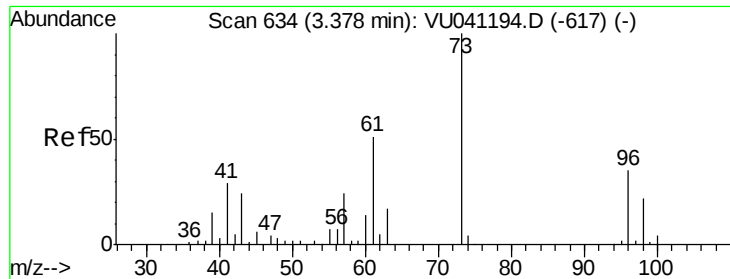
Tot Ion: 43 Resp: 30492
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5



#16
Methylene chloride
Concen: 9.088 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion: 84 Resp: 54310
Ion Ratio Lower Upper
84 100
86 65.5 42.8 79.6
49 138.3 99.5 184.7

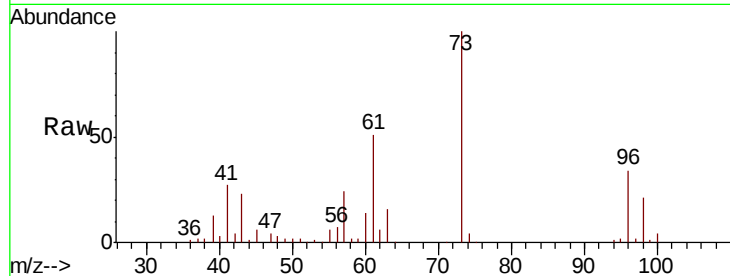




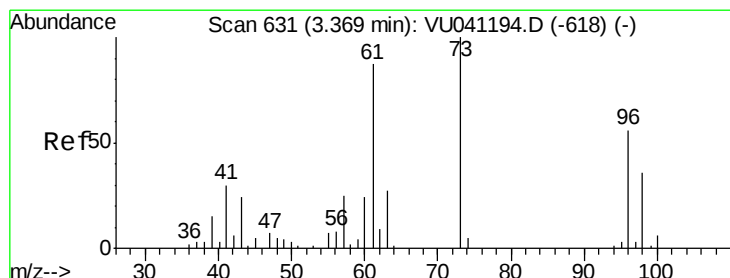
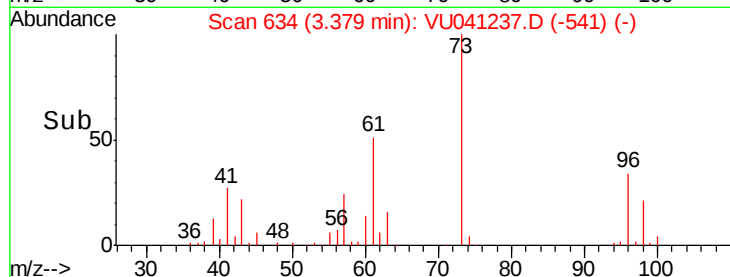
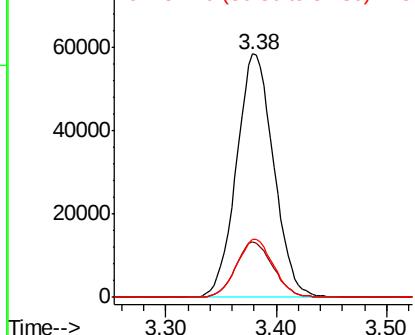
#17
Methvl tert-butvl Ether
Concen: 10.369 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion: 73 Resp: 136862
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 23.4 18.4 27.6

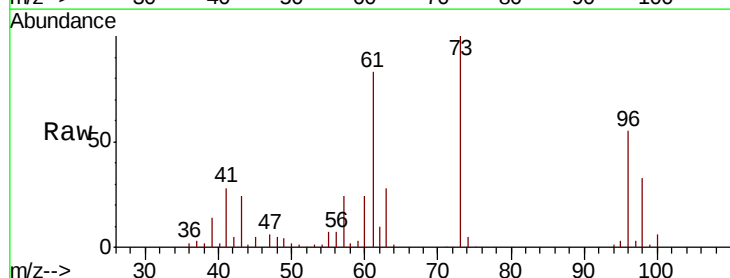


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

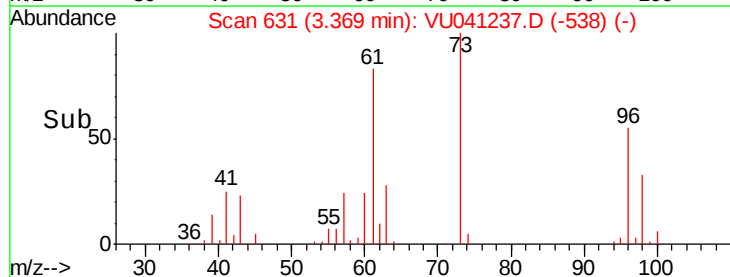
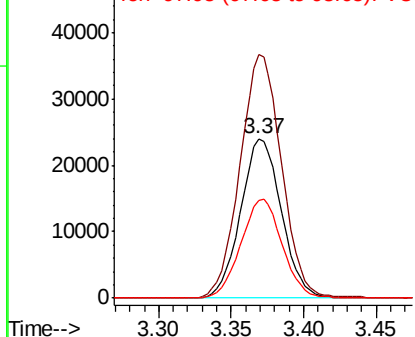


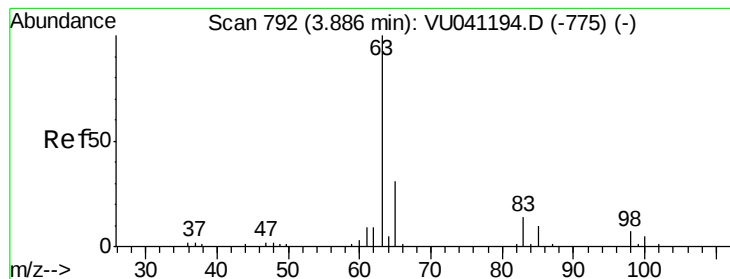
#18
trans-1,2-Dichloroethene
Concen: 8.984 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion: 96 Resp: 46828
Ion Ratio Lower Upper
96 100
61 152.5 110.9 205.9
98 61.1 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: 9.808 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampled :

VSTD01005

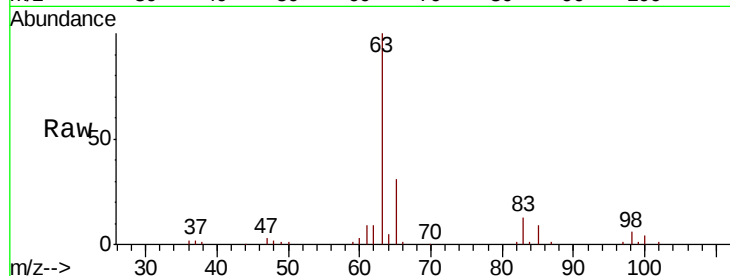
Tot Ion: 63 Resp: 102196

Ion Ratio Lower Upper

63 100

65 31.5 21.3 39.6

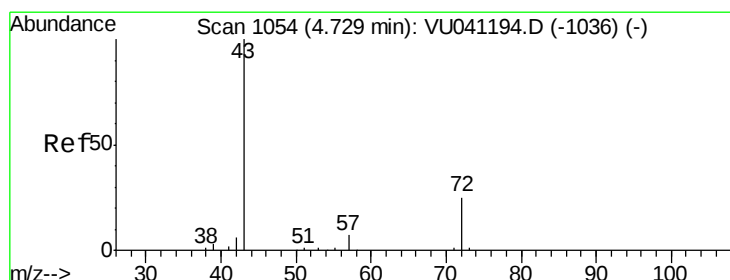
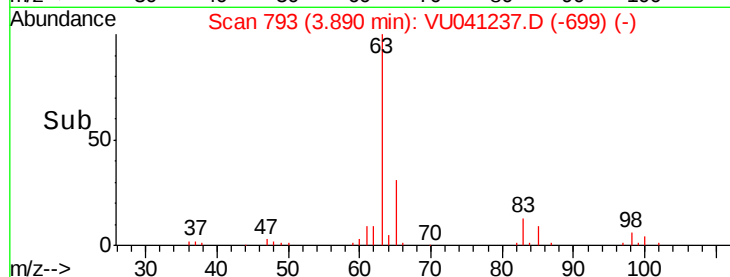
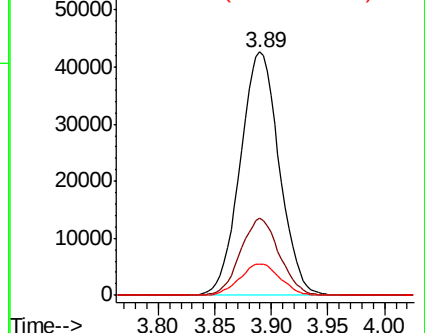
83 13.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041237.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041237.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041237.D (-699) (-)



#21

2-Butanone

Concen: 103.969 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041237.D

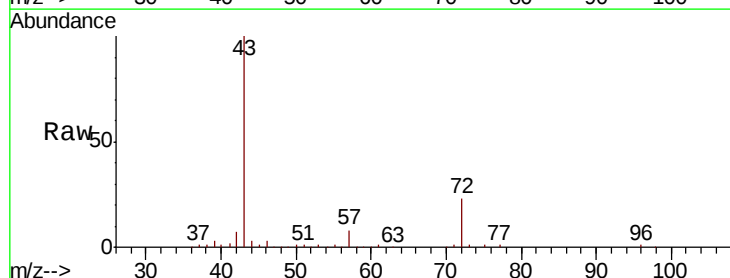
Acq: 16 Nov 2020 09:47

Tgt Ion: 43 Resp: 223156

Ion Ratio Lower Upper

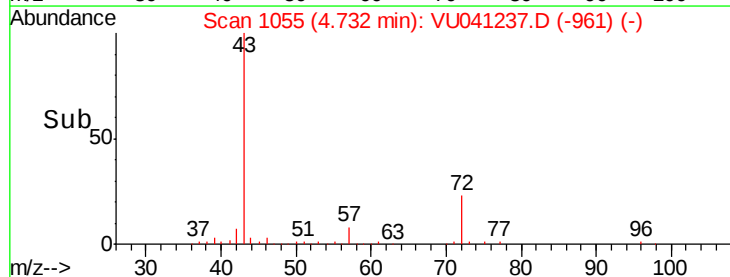
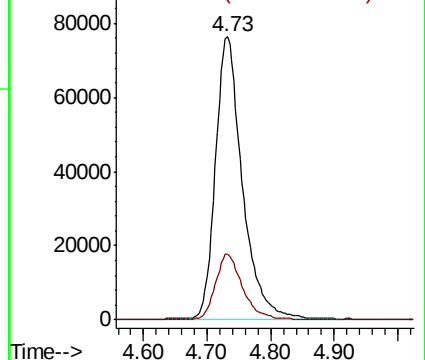
43 100

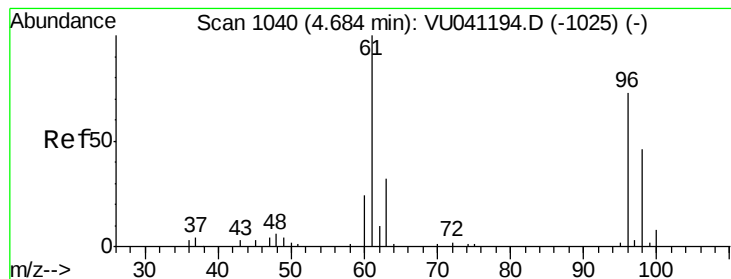
72 23.9 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041237.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU041237.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.746 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

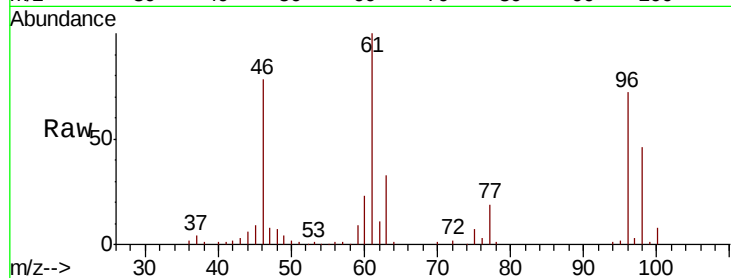
Tot Ion: 96 Resp: 52395

Ion Ratio Lower Upper

96 100

61 139.0 97.2 180.4

68 0.0 0.0 0.0

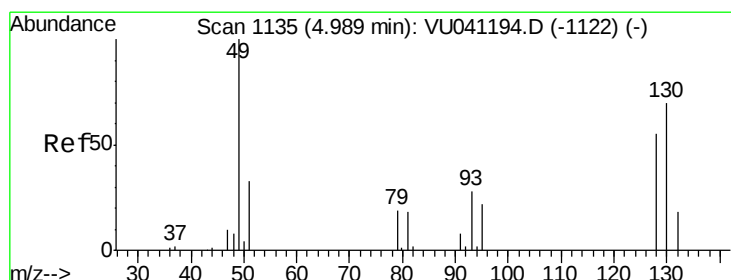
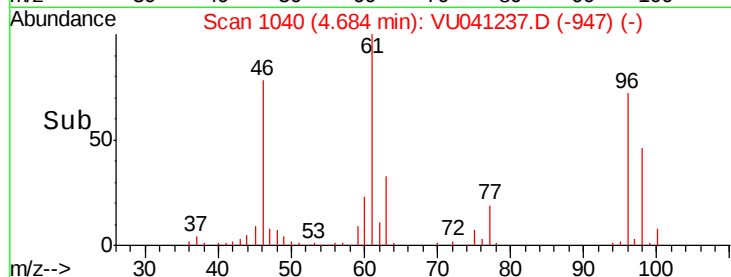
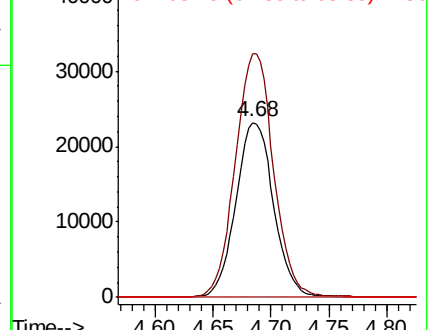


Abundance

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: 10.799 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Tgt Ion:128 Resp: 27391

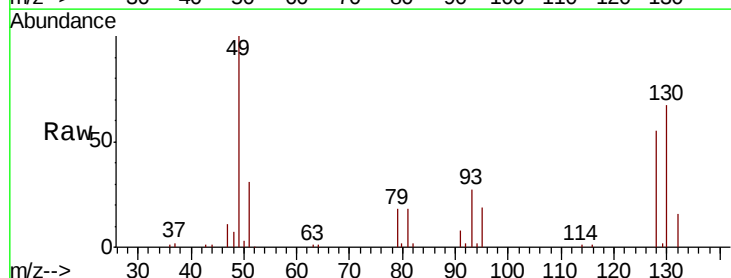
Ion Ratio Lower Upper

128 100

49 181.3 135.0 250.8

130 122.2 89.9 167.0

51 56.4 51.9 77.9



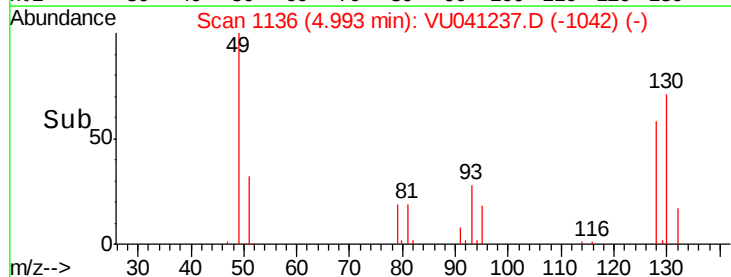
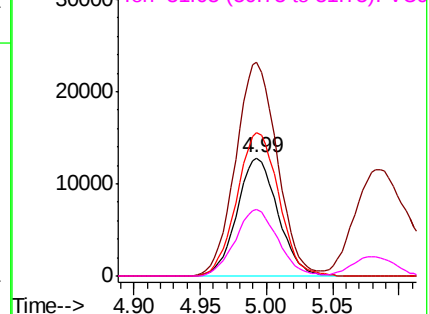
Abundance

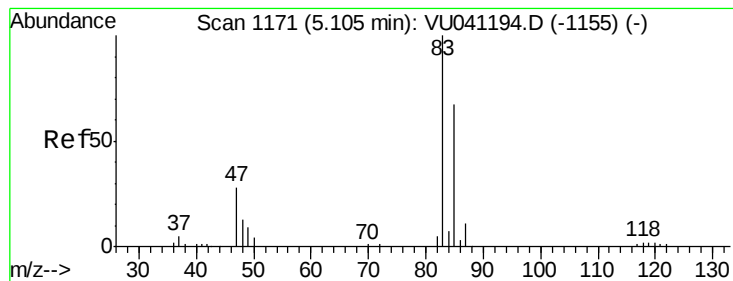
Ion 127.90 (127.60 to 128.60): V

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: 10.138 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

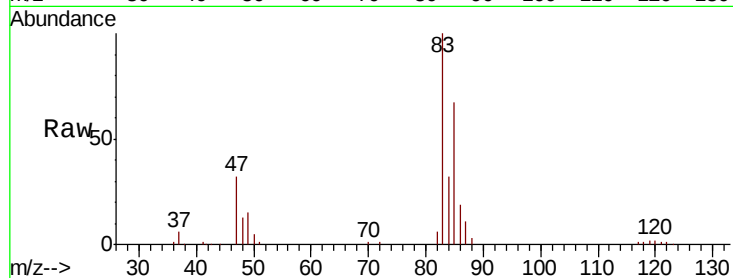
VSTD01005

Tot Ion: 83 Resp: 105936

Ion Ratio Lower Upper

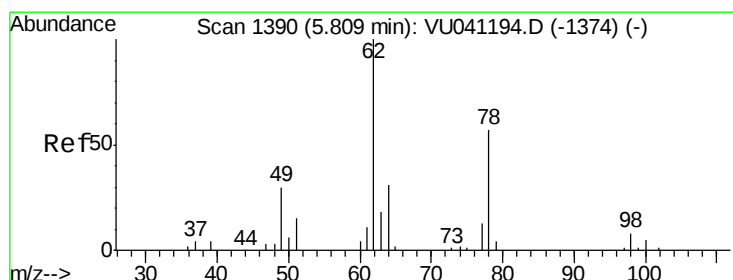
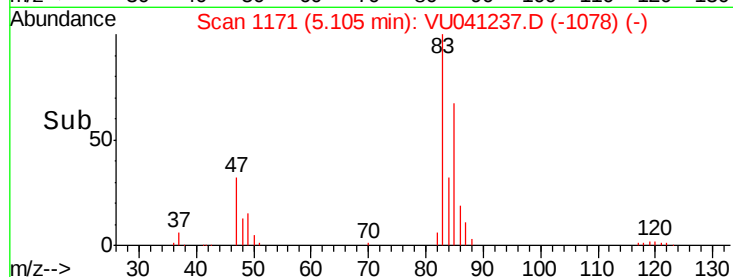
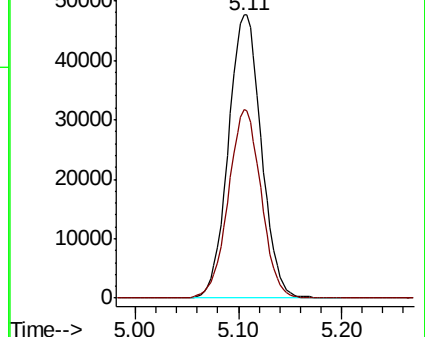
83 100

85 66.8 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041194.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041194.D (-1155) (-)



#27

1,2-Dichloroethane

Concen: 10.138 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU041237.D

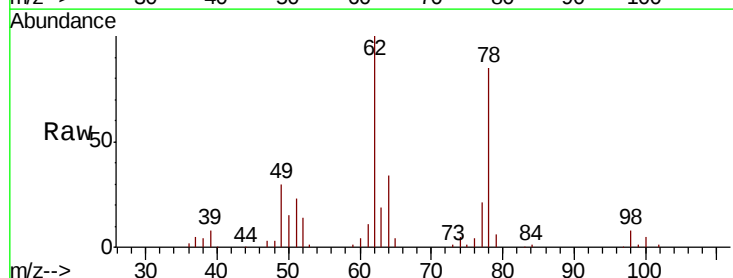
Acq: 16 Nov 2020 09:47

Tgt Ion: 62 Resp: 78904

Ion Ratio Lower Upper

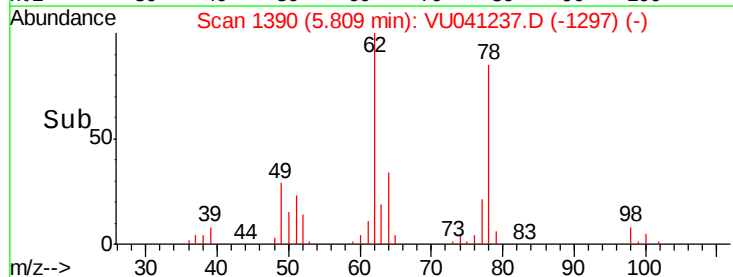
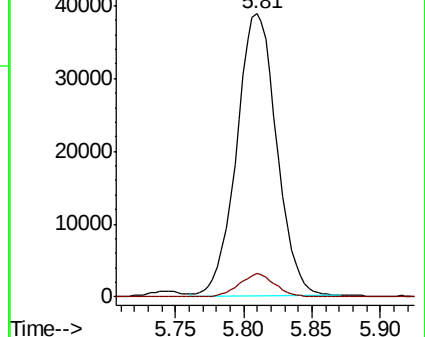
62 100

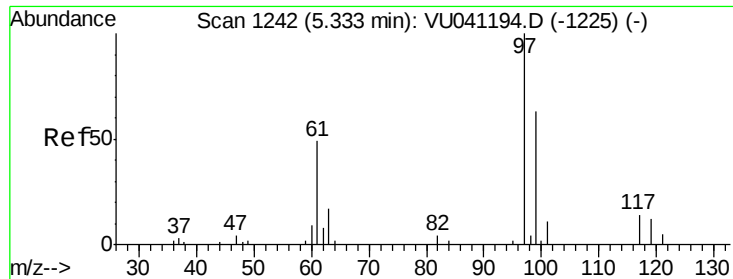
98 8.1 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU041194.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU041194.D (-1374) (-)

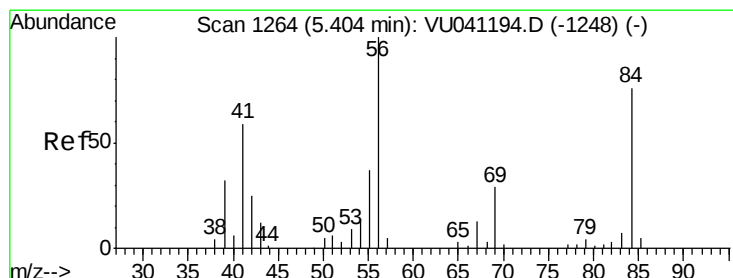
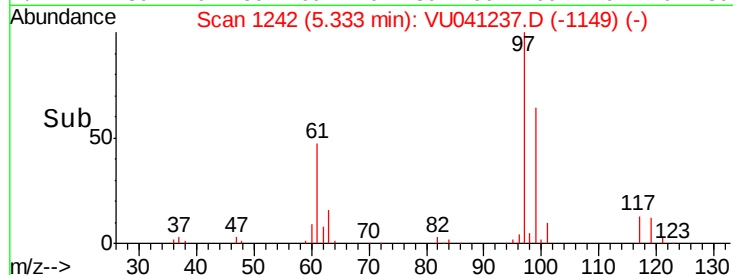
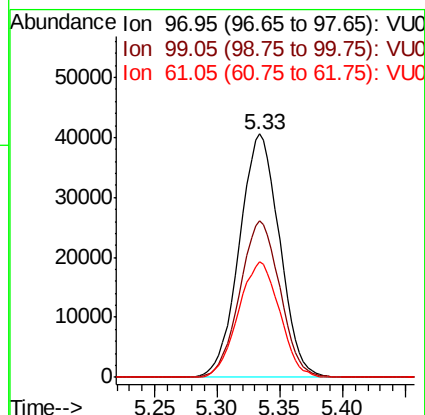
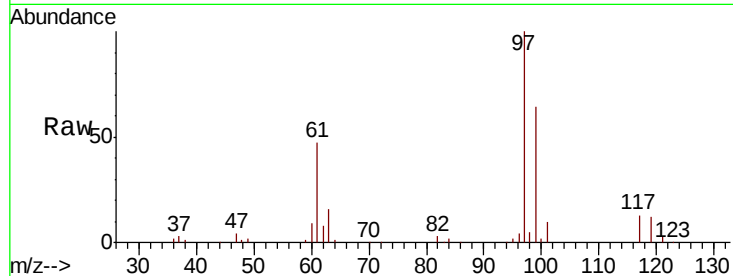




#29
1,1,1-Trichloroethane
Concen: 9.500 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

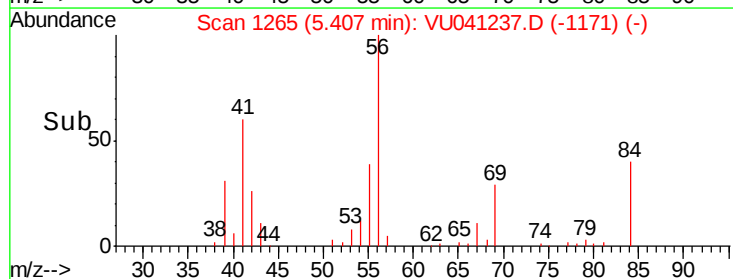
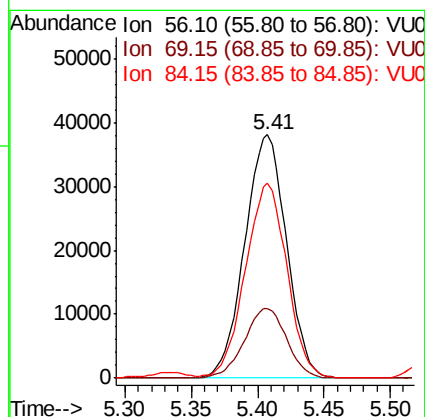
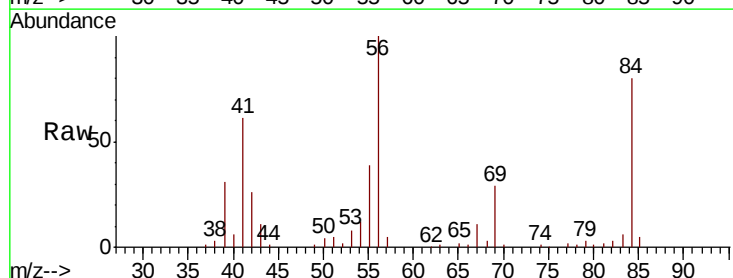
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

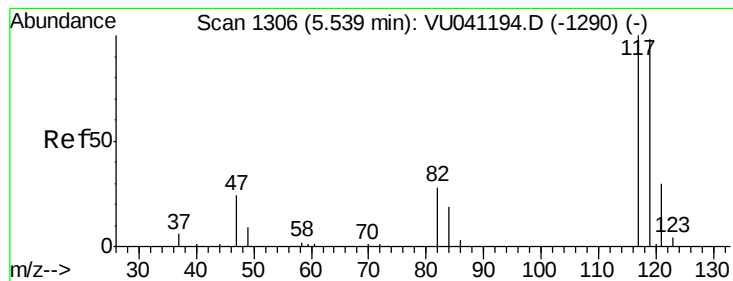
Tot Ion: 97 Resp: 90355
Ion Ratio Lower Upper
97 100
99 64.3 53.4 80.0
61 48.7 41.6 62.4



#30
Cyclohexane
Concen: 8.914 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion: 56 Resp: 83530
Ion Ratio Lower Upper
56 100
69 29.0 22.8 34.2
84 79.8 63.6 95.4





#31

Carbon tetrachloride

Concen: 9.579 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

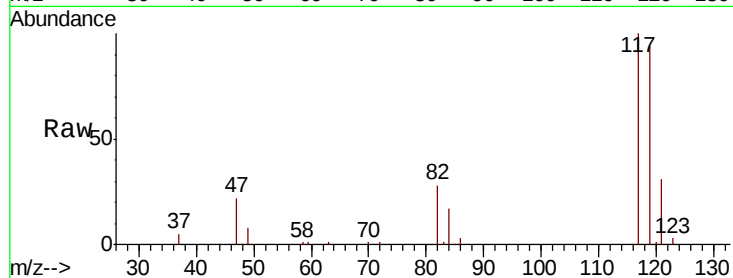
VSTD01005

Tot Ion:117 Resp: 80678

Ion Ratio Lower Upper

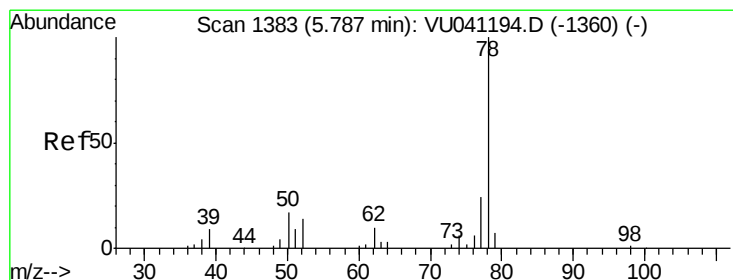
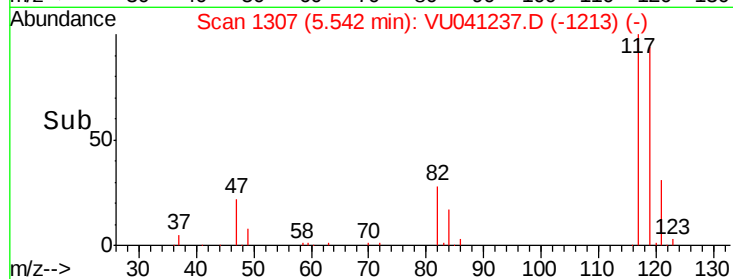
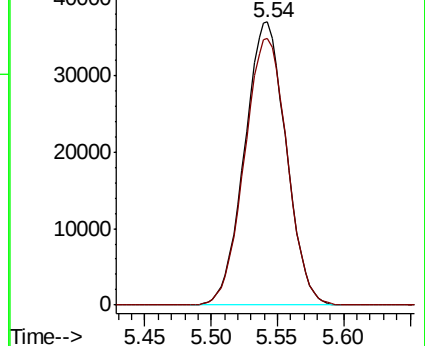
117 100

119 96.7 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: 9.277 ug/L

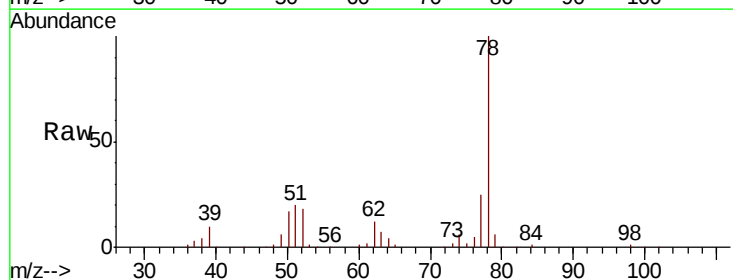
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

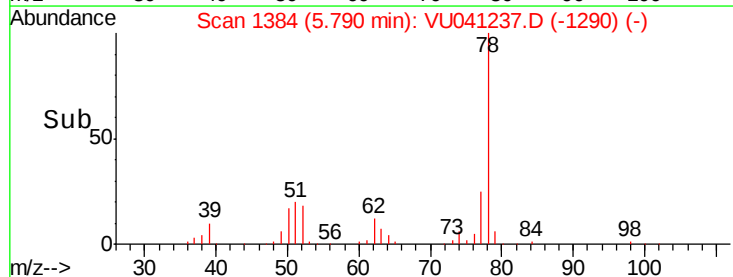
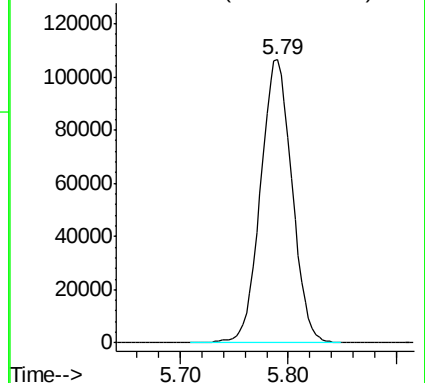
Lab File: VU041237.D

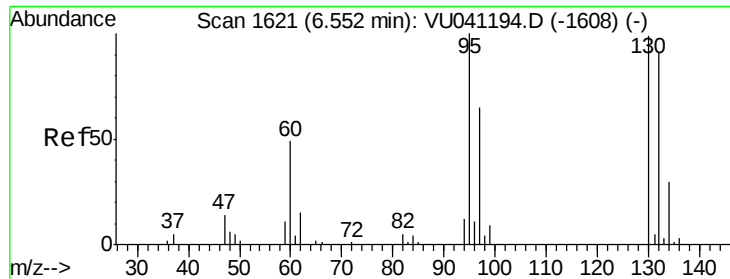
Acq: 16 Nov 2020 09:47

Tgt Ion: 78 Resp: 215562



Abundance Ion 78.10 (77.80 to 78.80): VU0

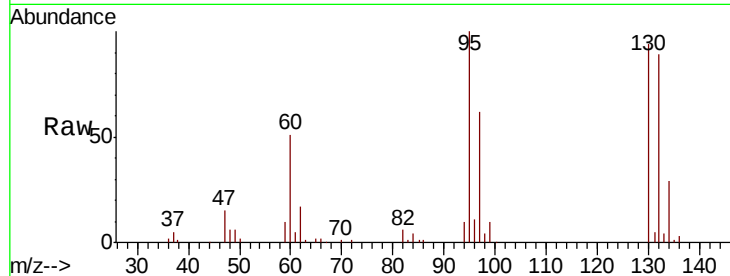




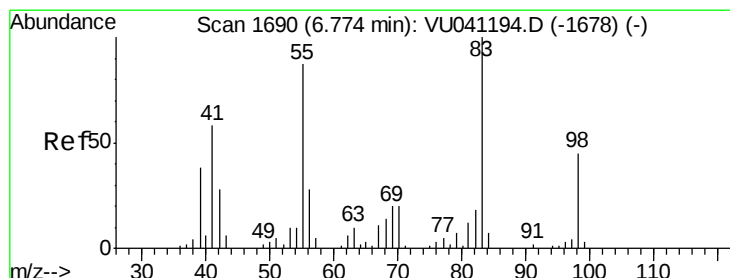
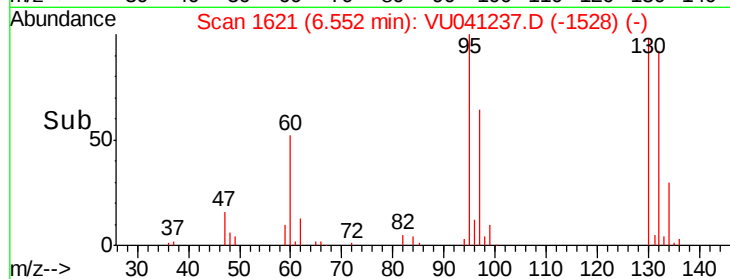
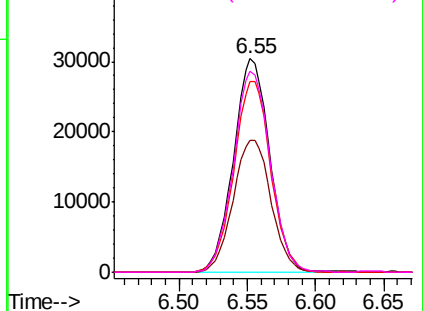
#34
 Trichloroethene
 Concen: 9.512 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 95 Resp: 56248
 Ion Ratio Lower Upper
 95 100
 97 61.7 45.6 84.6
 132 89.0 64.8 120.4
 130 94.2 64.8 120.4

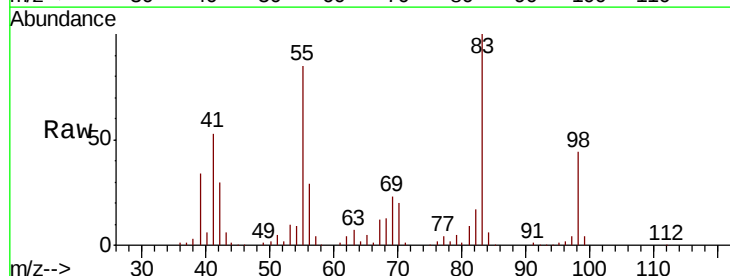


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

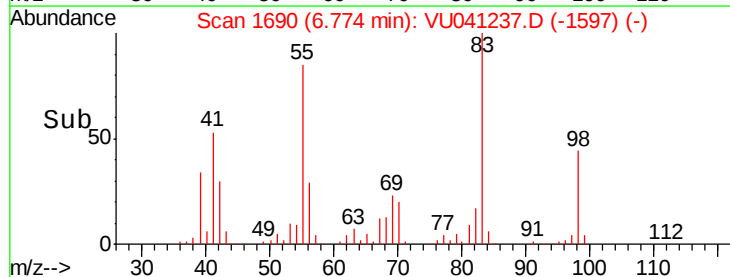
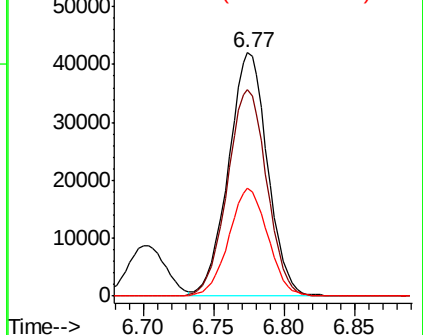


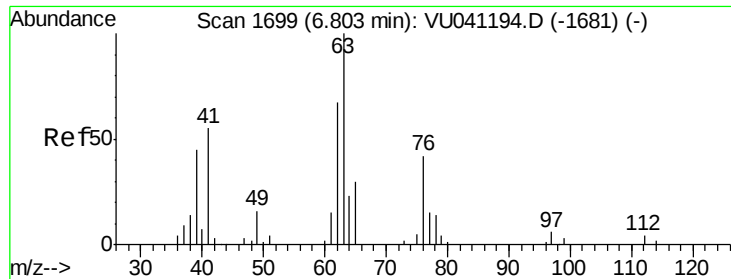
#35
 Methylcyclohexane
 Concen: 9.217 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion: 83 Resp: 81301
 Ion Ratio Lower Upper
 83 100
 55 85.7 72.0 108.0
 98 44.3 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

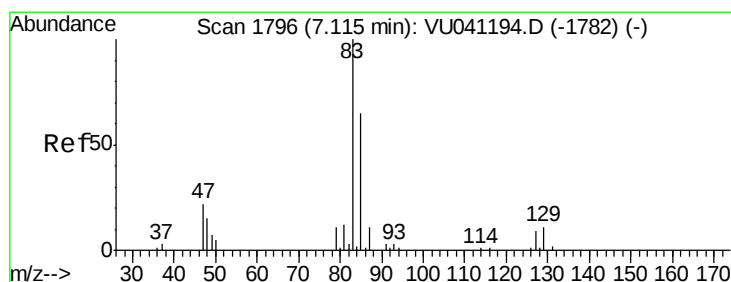
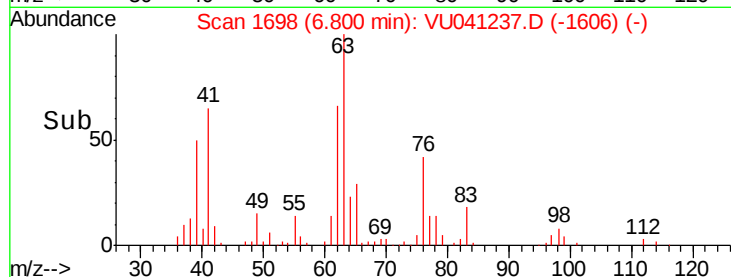
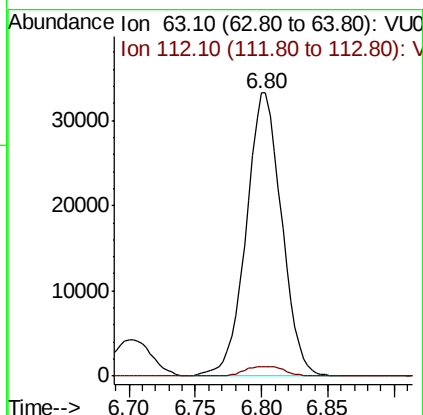
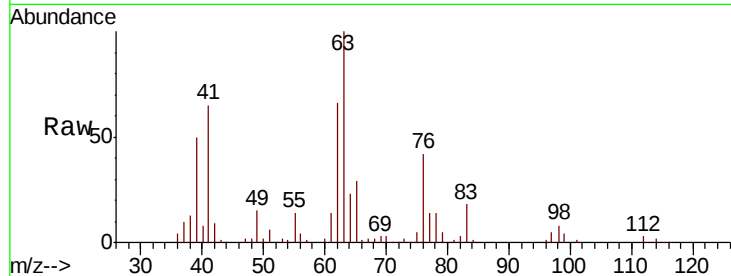




#37
 1,2-Dichloropropane
 Concen: 9.867 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

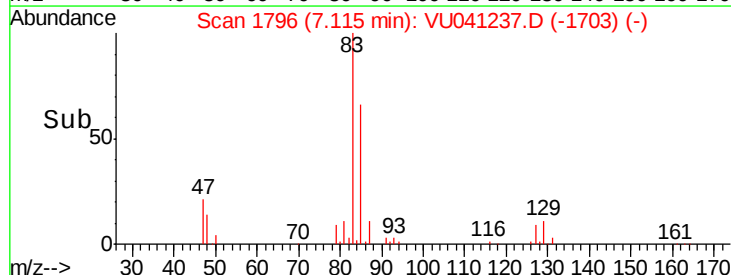
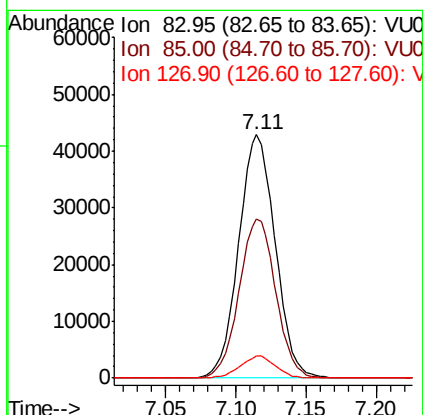
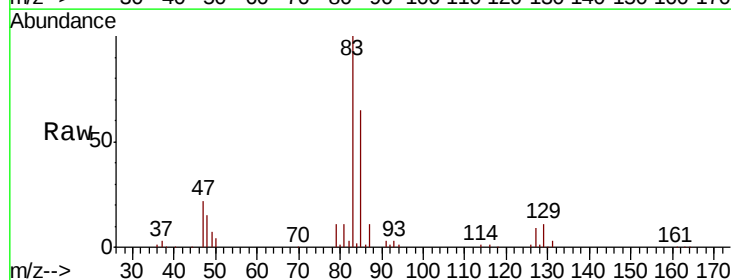
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

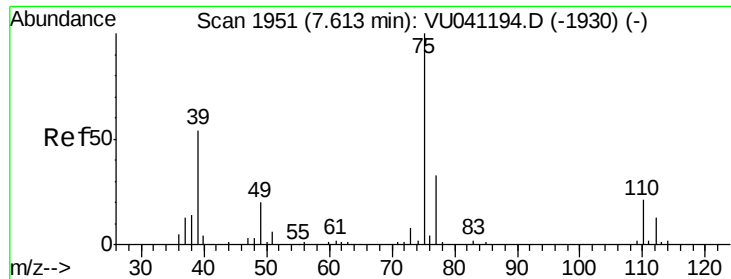
Tot Ion: 63 Resp: 62041
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 9.555 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion: 83 Resp: 77931
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.3 80.3
 127 9.2 5.9 8.9#

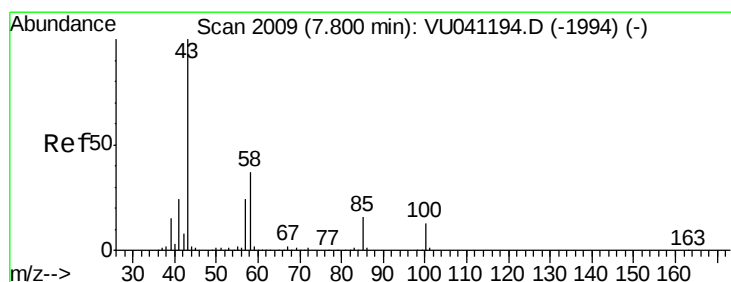
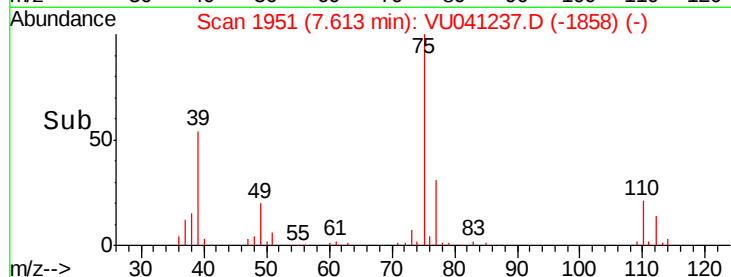
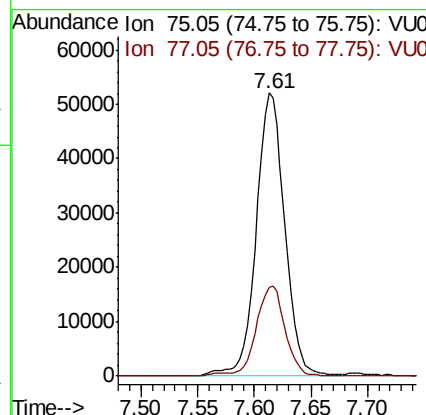
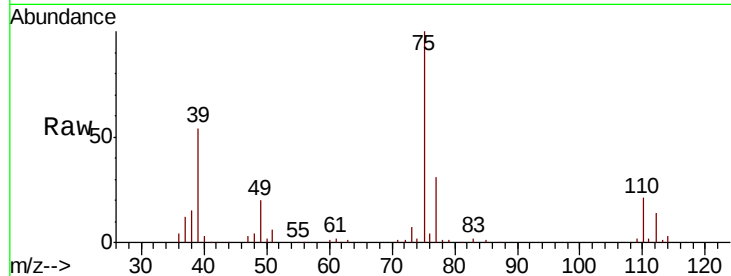




#39
 cis-1,3-Dichloropropene
 Concen: 10.576 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

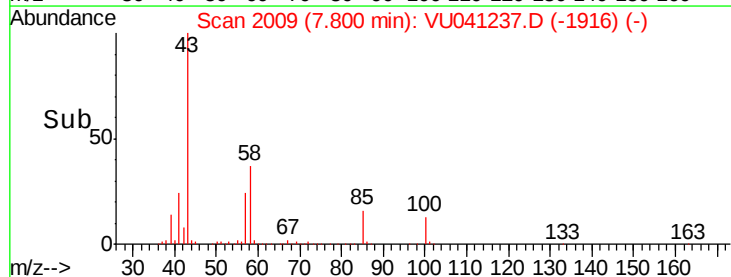
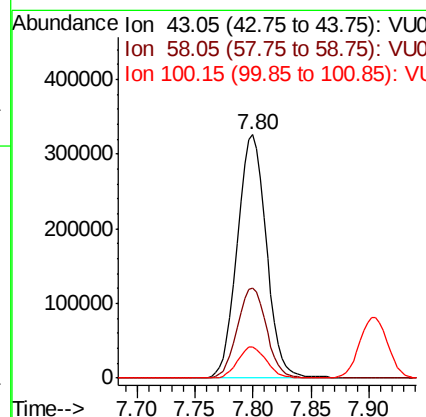
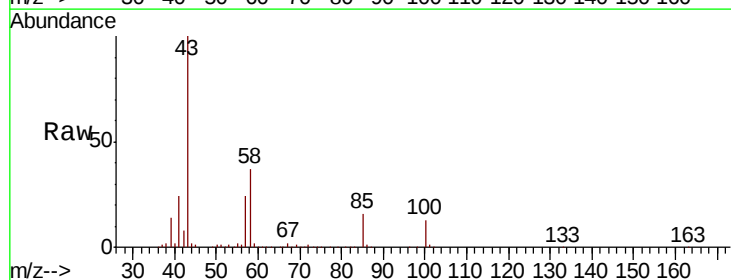
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

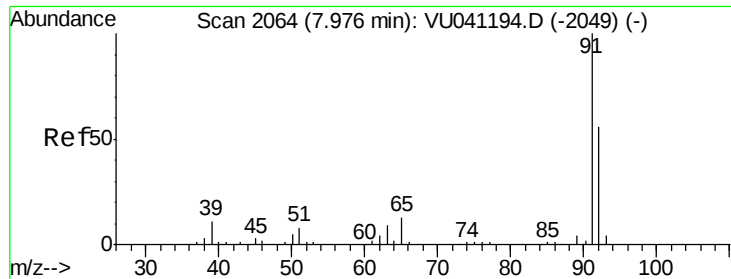
Tot Ion: 75 Resp: 91557
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 112.827 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion: 43 Resp: 565624
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.6
 100 12.7 10.5 15.7





#42

Toluene

Concen: 10.355 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

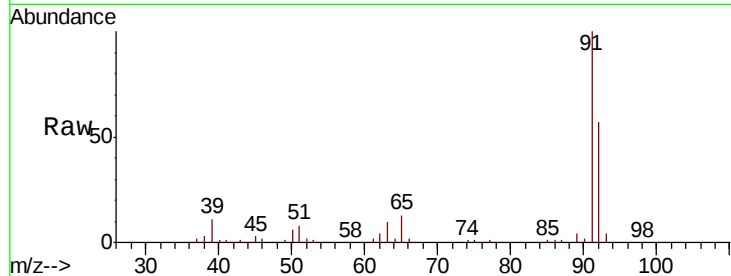
VSTD01005

Tot Ion: 91 Resp: 243995

Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041194.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041194.D (-2049) (-)

7.98

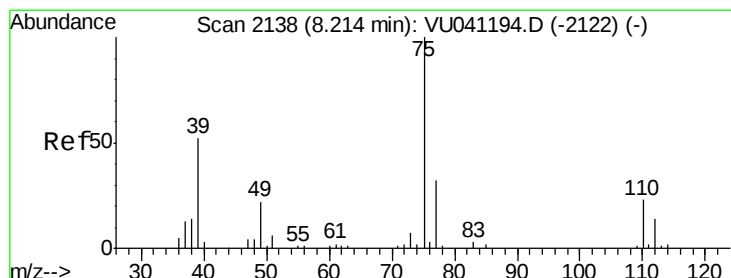
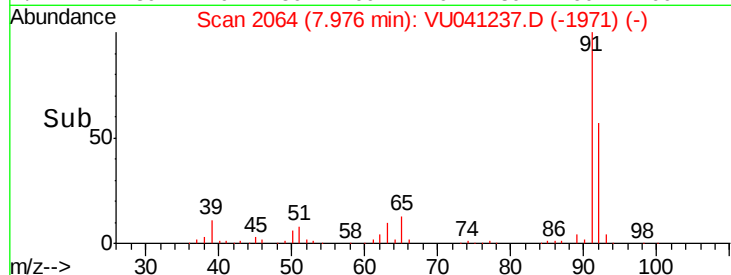
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.939 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041237.D

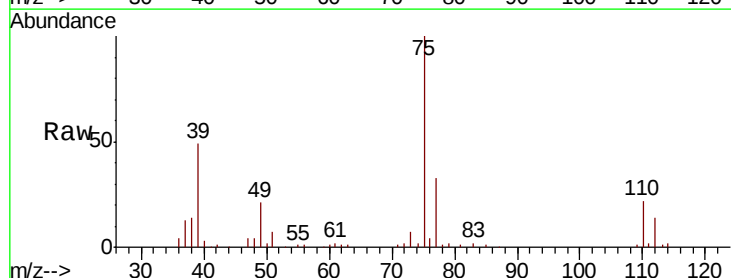
Acq: 16 Nov 2020 09:47

Tgt Ion: 75 Resp: 88621

Ion Ratio Lower Upper

75 100

77 32.6 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041194.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041194.D (-2122) (-)

8.21

60000

50000

40000

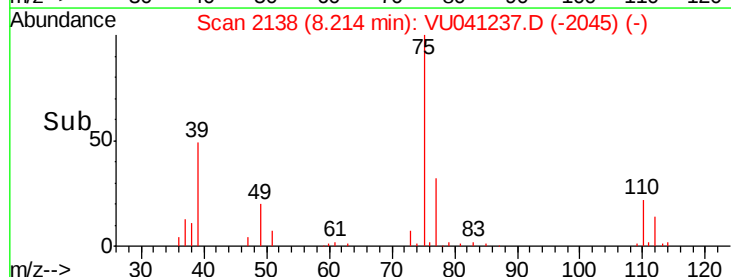
30000

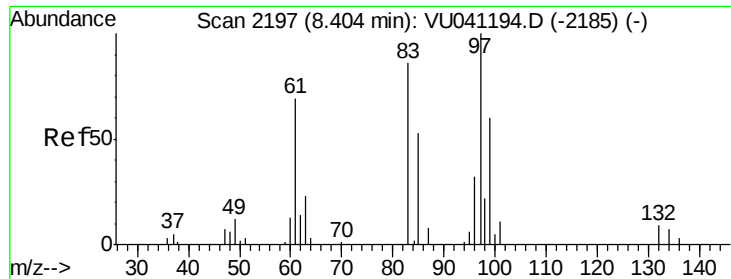
20000

10000

0

Time-->

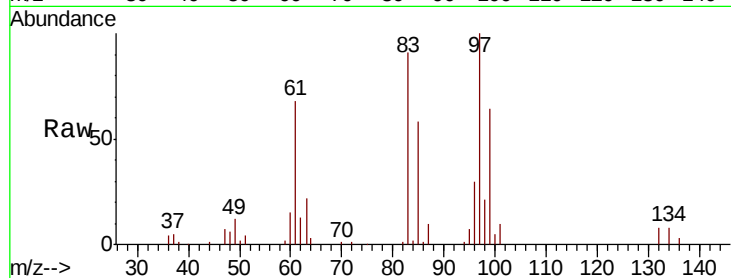




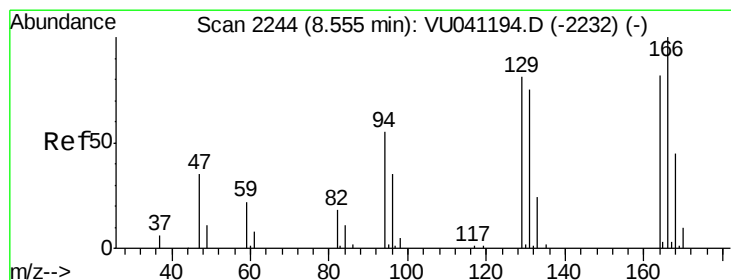
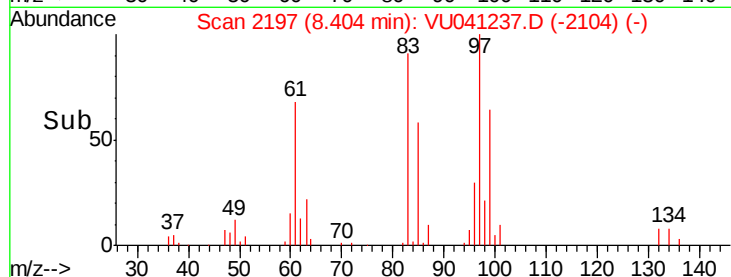
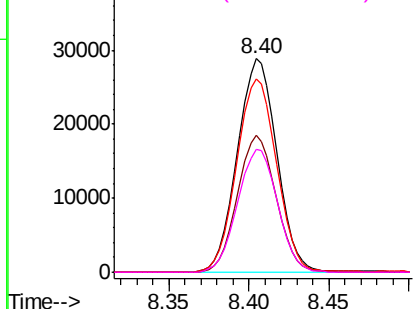
#45
 1,1,2-Trichloroethane
 Concen: 10.378 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 97 Resp: 48573
 Ion Ratio Lower Upper
 97 100
 99 64.0 45.8 85.2
 83 90.7 67.9 126.1
 85 57.8 42.8 79.6

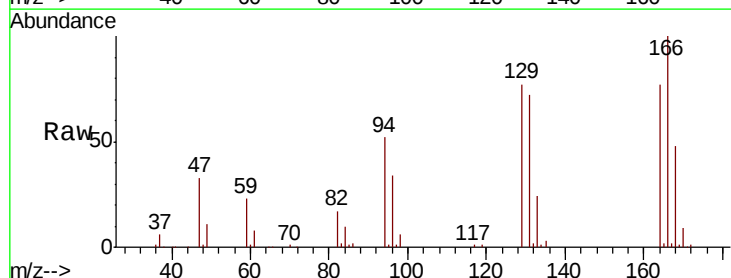


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

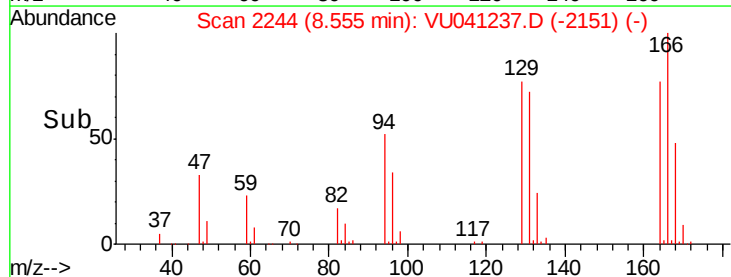
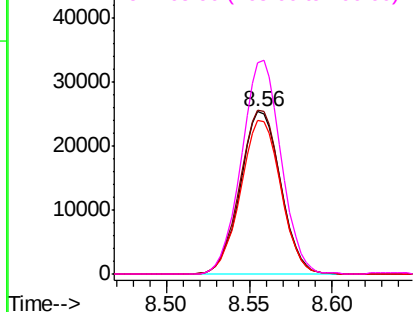


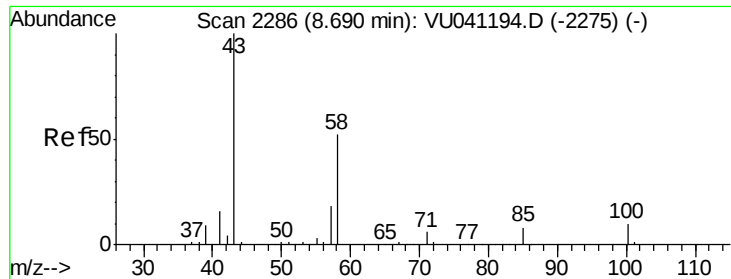
#47
 Tetrachloroethene
 Concen: 9.834 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion: 164 Resp: 42759
 Ion Ratio Lower Upper
 164 100
 129 100.9 70.3 130.7
 131 94.6 70.8 131.4
 166 130.5 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

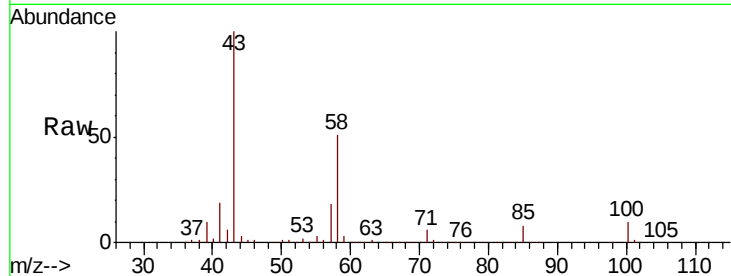




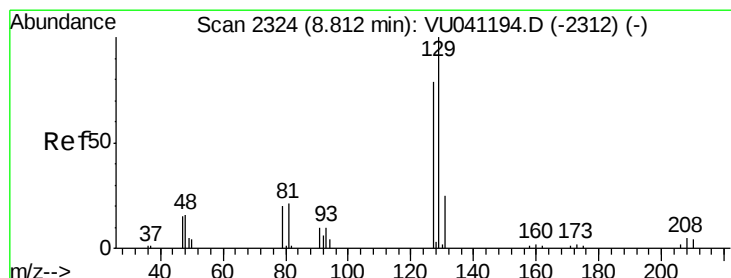
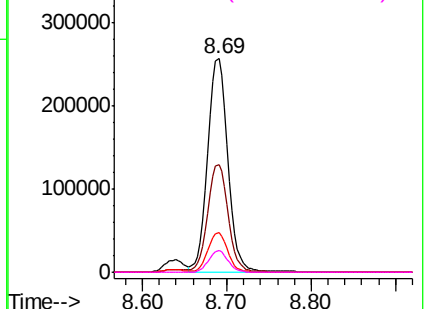
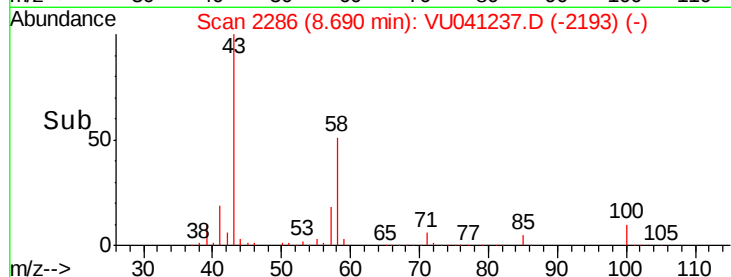
#48
2-Hexanone
Concen: 113.407 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:	43	Resp:	428088
Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.4	62.2
57	18.1	14.6	21.8
100	9.8	8.3	12.5

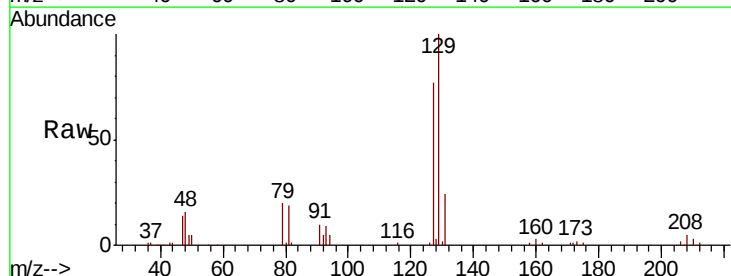


Abundance Ion 43.05 (42.75 to 43.75): VU041237.D (-2193) (-)

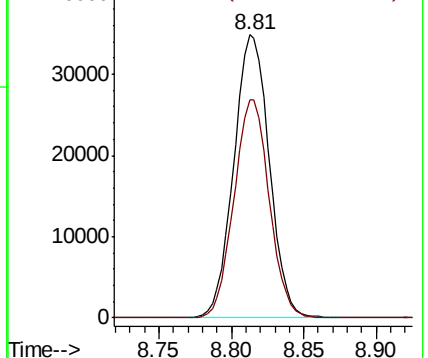
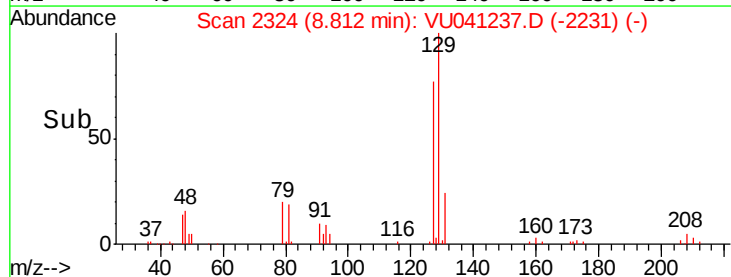


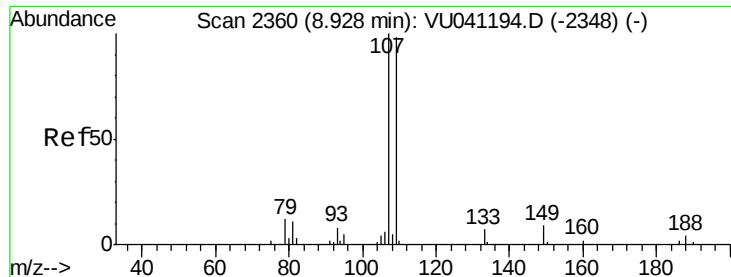
#49
Dibromochloromethane
Concen: 10.947 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion:	129	Resp:	59501
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041237.D (-2231) (-)

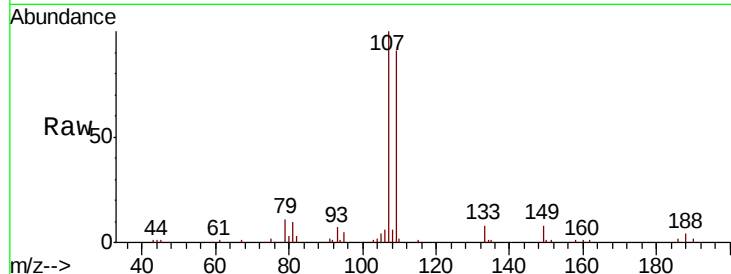




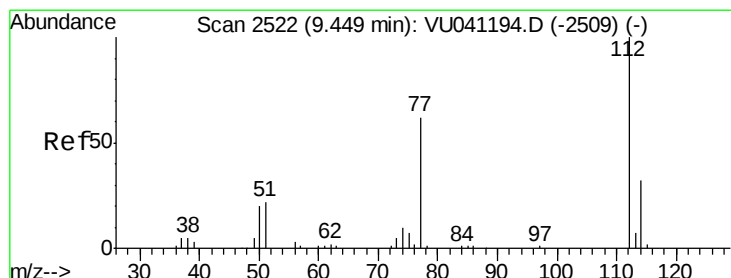
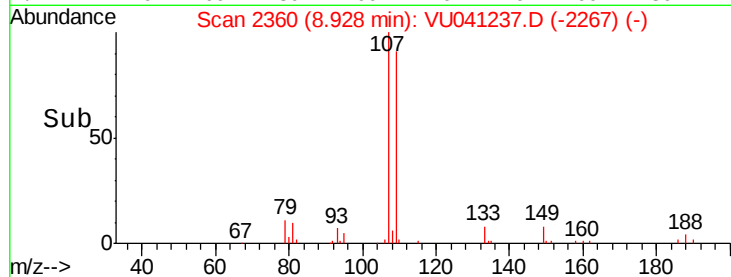
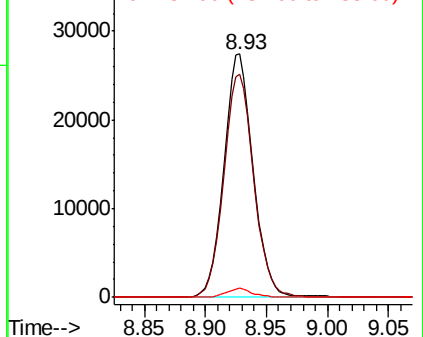
#50
 1,2-Dibromoethane
 Concen: 10.314 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	65.6	121.8
188	3.7	2.9	4.3

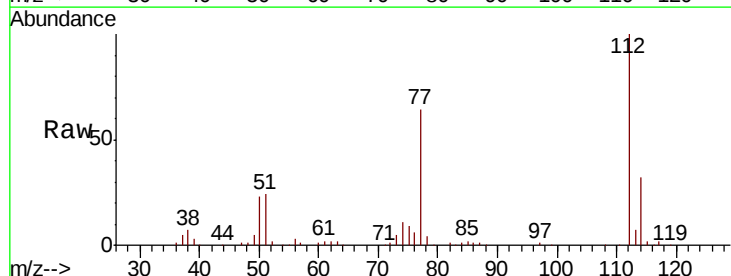


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

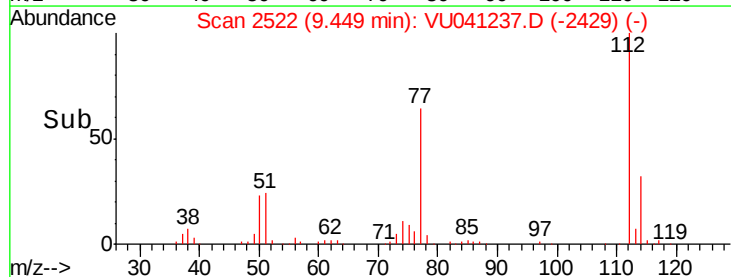
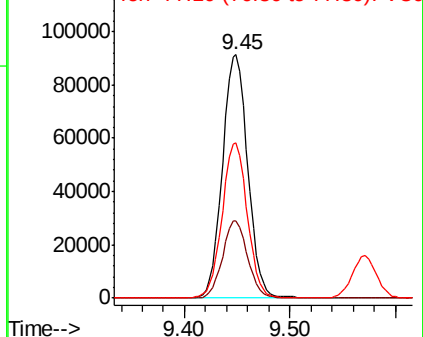


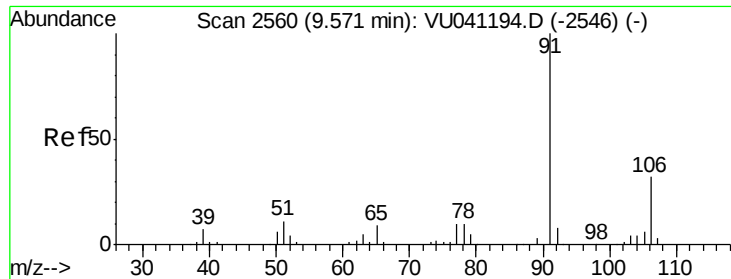
#51
 Chlorobenzene
 Concen: 10.143 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.4	41.6
77	63.6	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

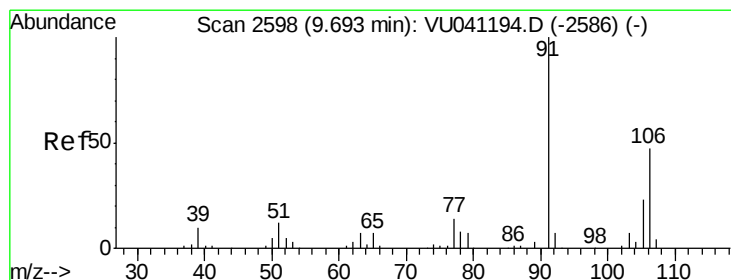
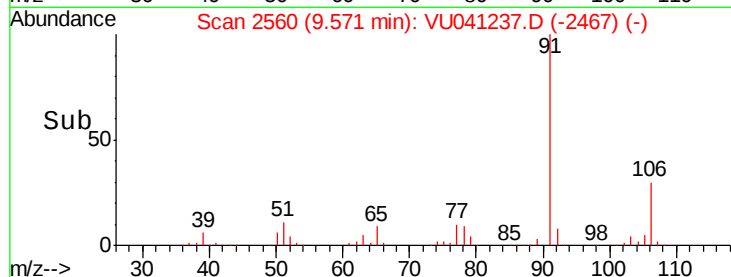
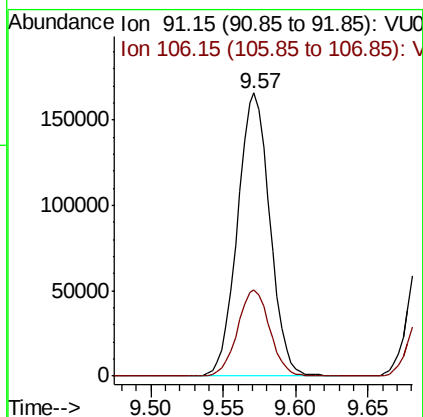
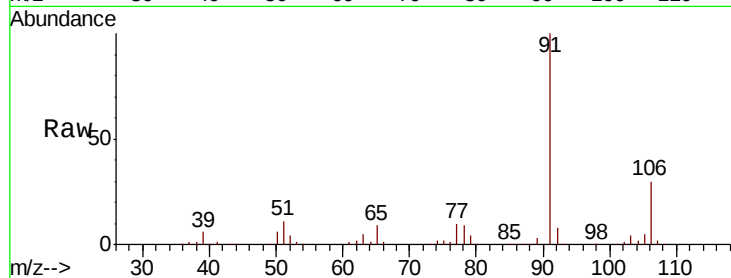




#52
Ethylbenzene
Concen: 10.388 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

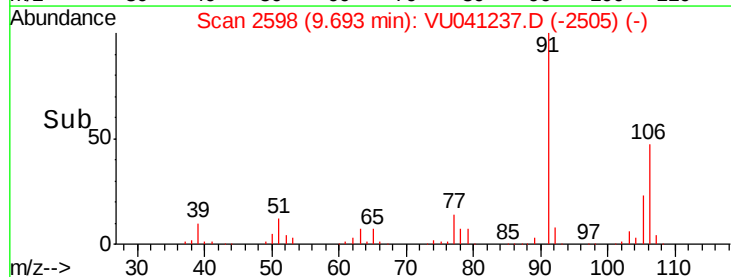
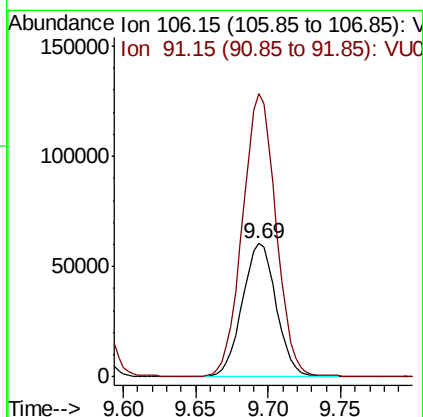
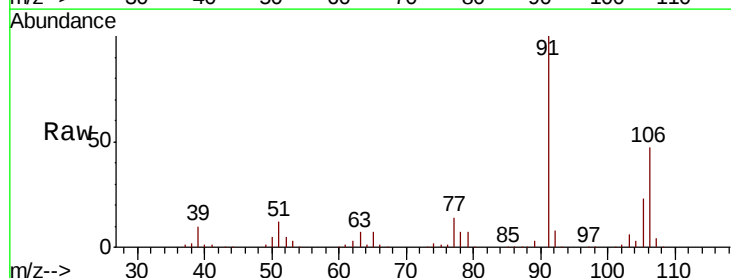
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

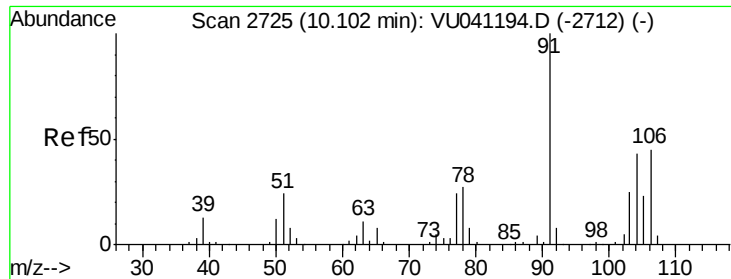
Tot Ion: 91 Resp: 257643
Ion Ratio Lower Upper
91 100
106 30.4 21.0 39.0



#53
m,p-Xylene
Concen: 10.841 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion: 106 Resp: 98062
Ion Ratio Lower Upper
106 100
91 212.3 150.9 280.3

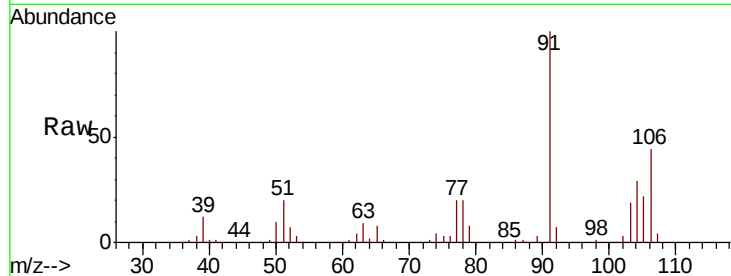




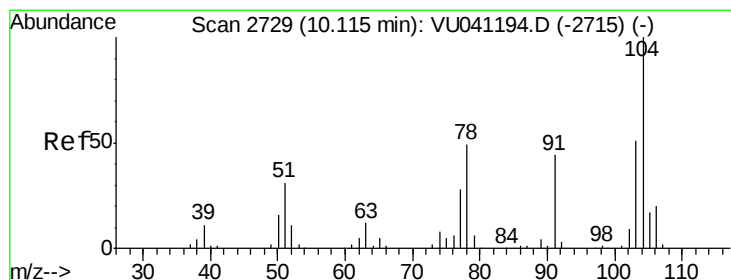
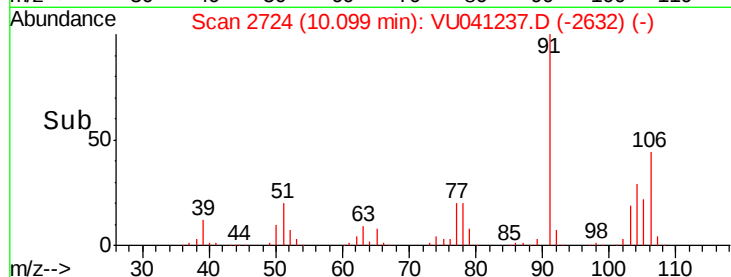
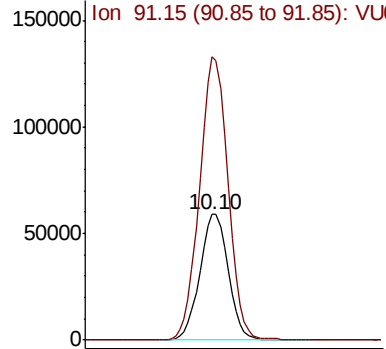
#54
o-Xylene
Concen: 11.030 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:106 Resp: 92921
Ion Ratio Lower Upper
106 100
91 224.9 154.3 286.5

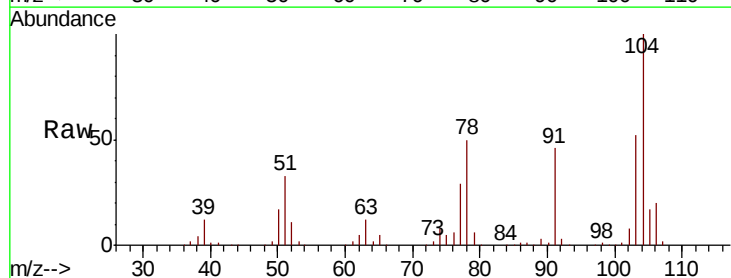


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

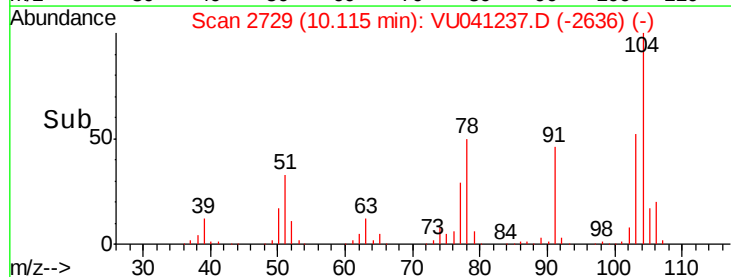
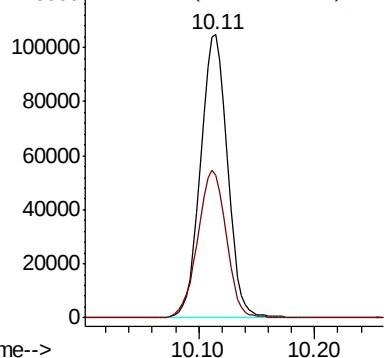


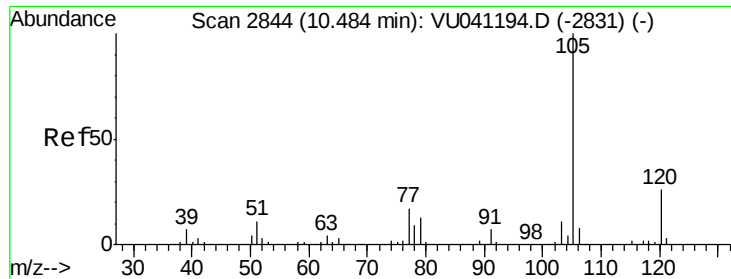
#55
Styrene
Concen: 11.138 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041237.D
Acq: 16 Nov 2020 09:47

Tgt Ion:104 Resp: 167181
Ion Ratio Lower Upper
104 100
78 50.2 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: 11.248 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

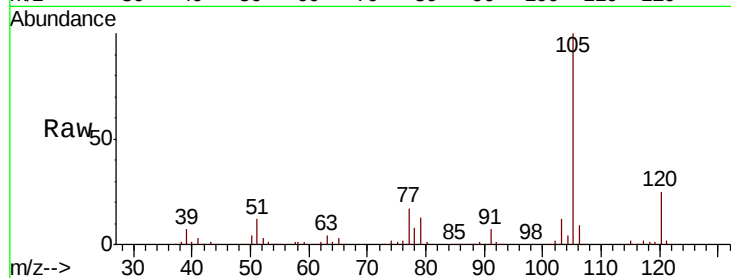
Tot Ion:105 Resp: 254789

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

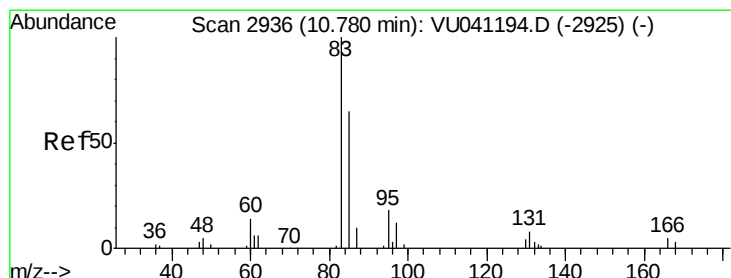
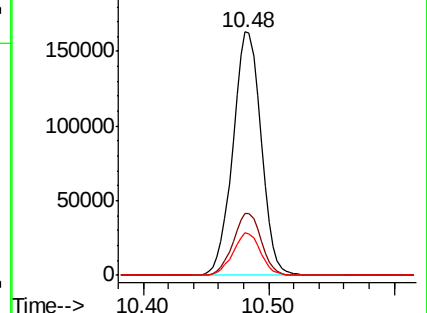
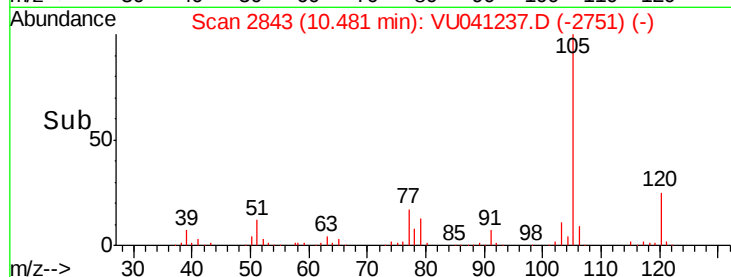
77 17.0 13.8 20.6



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: 10.132 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

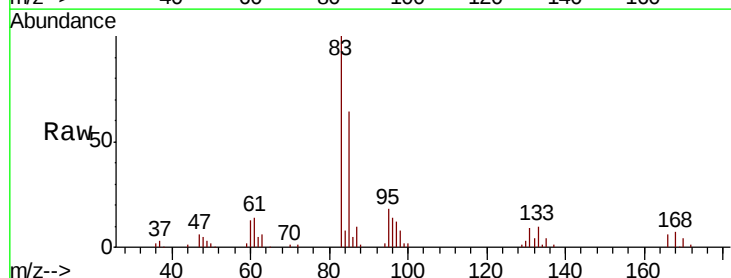
Tgt Ion: 83 Resp: 62281

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4

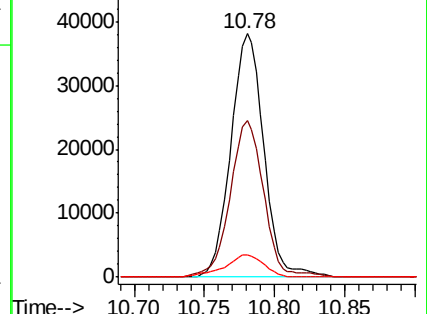
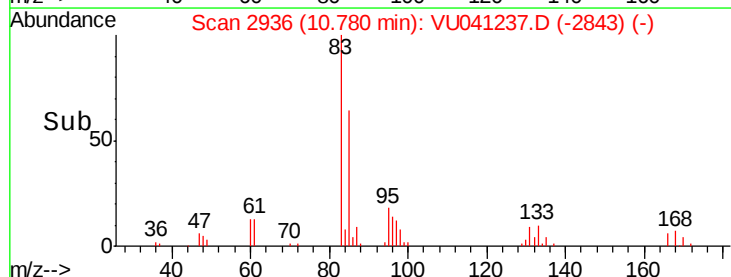
131 9.3 7.7 11.5

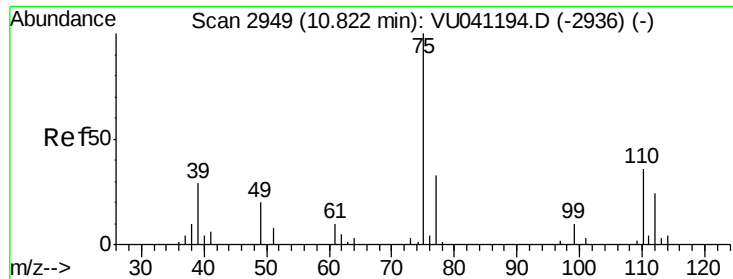


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.548 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

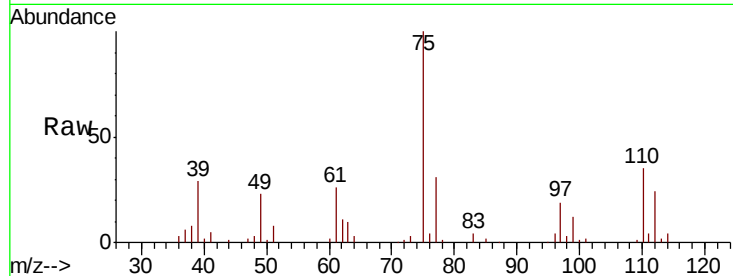
VSTD01005

Tot Ion: 75 Resp: 49429

Ion Ratio Lower Upper

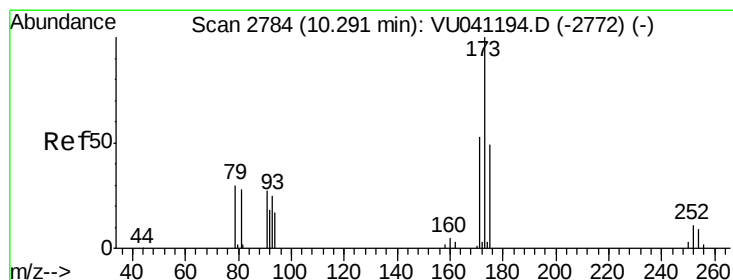
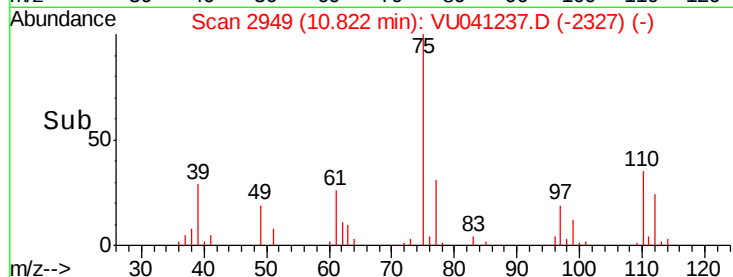
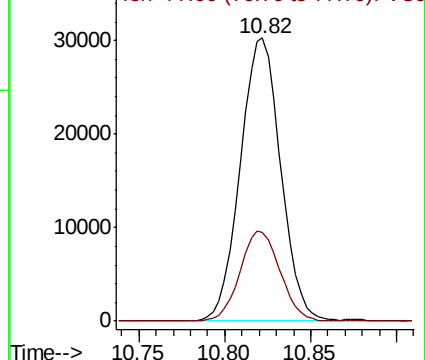
75 100

77 31.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041194.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041194.D (-2936) (-)



#61

Bromoform

Concen: 11.918 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

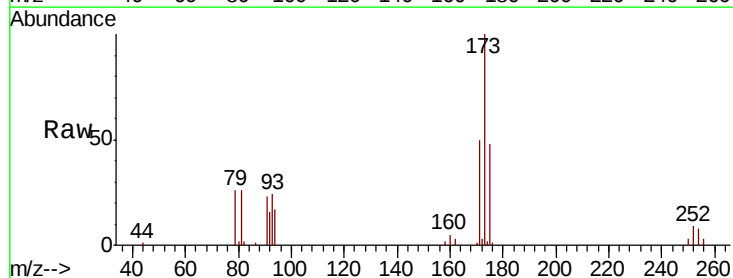
Tgt Ion: 173 Resp: 35116

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

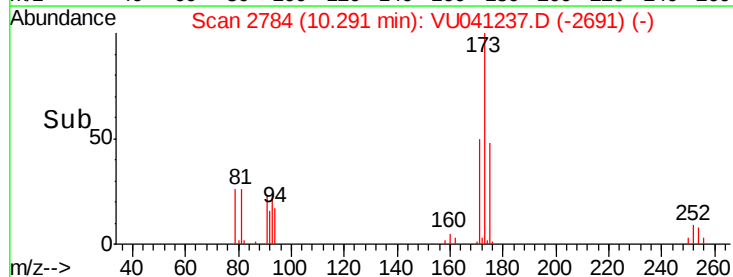
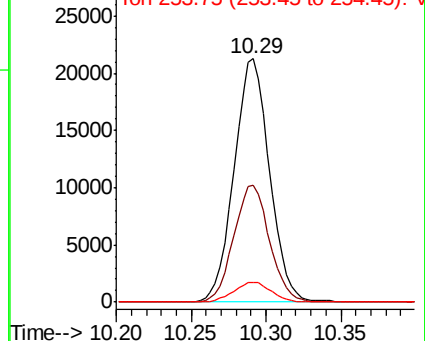
254 8.5 6.6 9.8

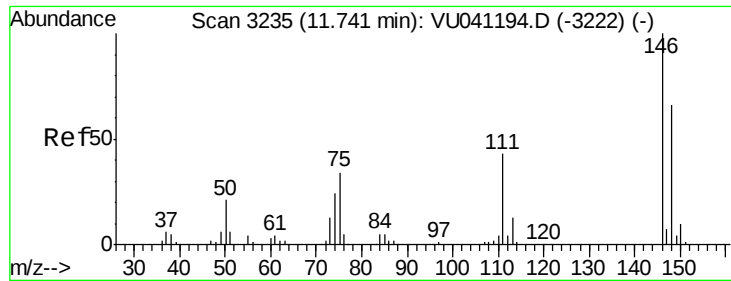


Abundance Ion 172.90 (172.60 to 173.60): VU041194.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041194.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041194.D (-2772) (-)

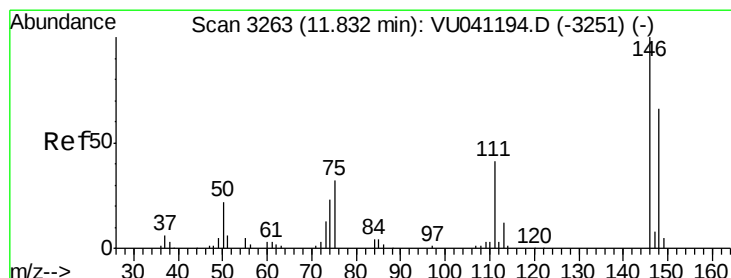
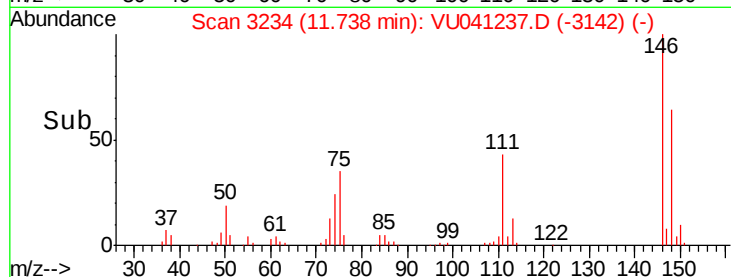
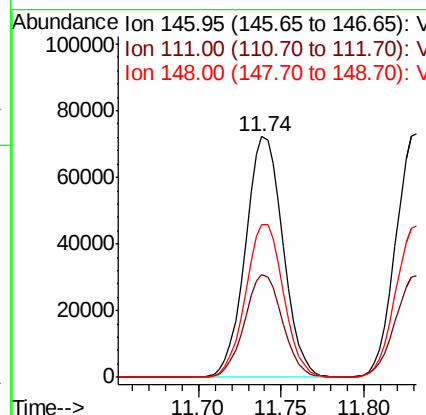
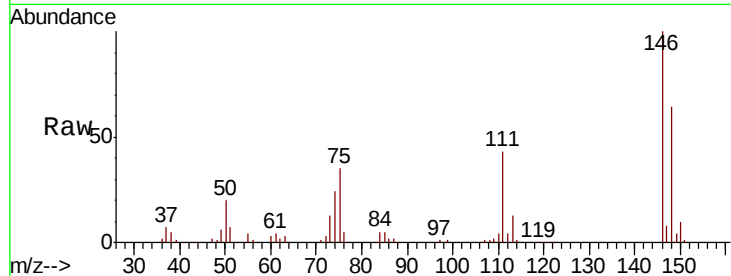




#62
 1,3-Dichlorobenzene
 Concen: 10.344 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

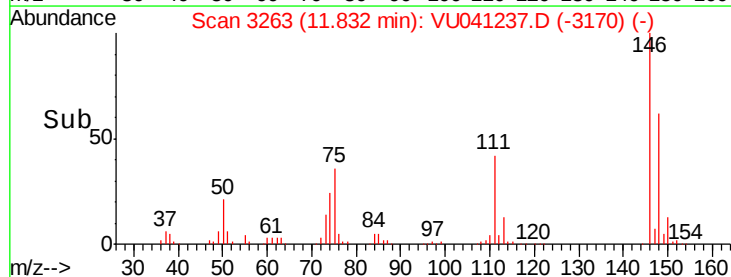
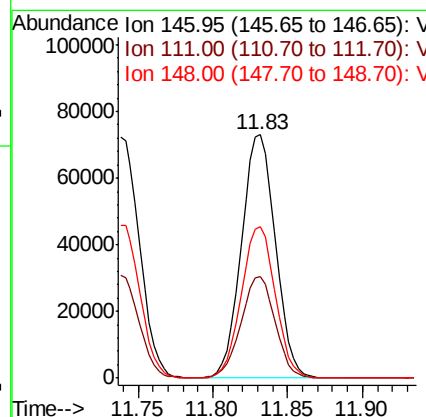
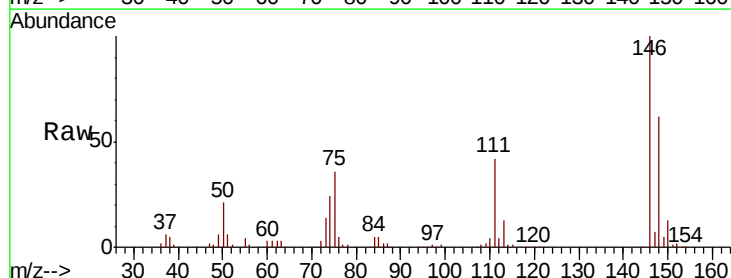
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

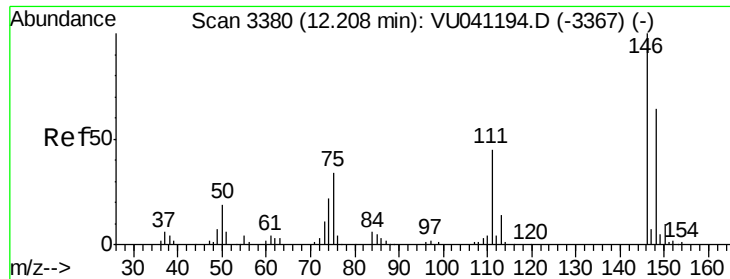
Tot Ion:146 Resp: 114159
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.9 57.3
 148 63.6 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 10.128 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion:146 Resp: 115759
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.3 52.7
 148 62.1 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 10.014 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

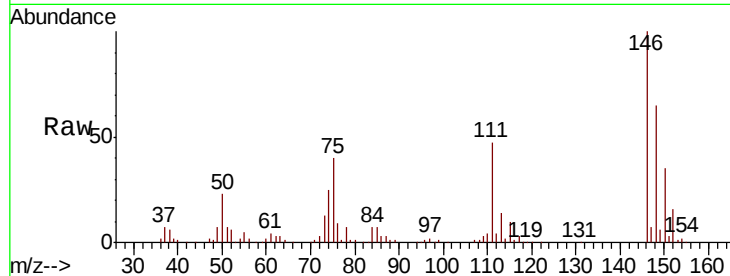
Tot Ion:146 Resp: 109057

Ion Ratio Lower Upper

146 100

111 46.8 35.0 52.6

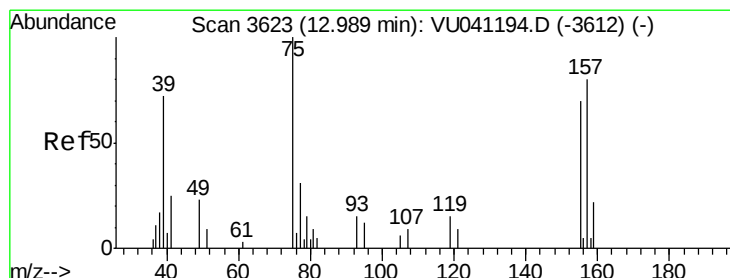
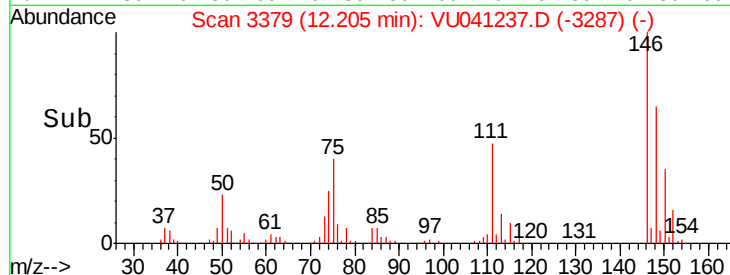
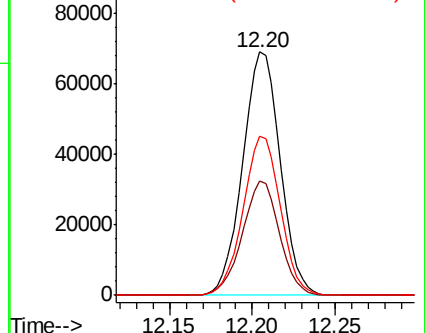
148 65.3 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.125 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

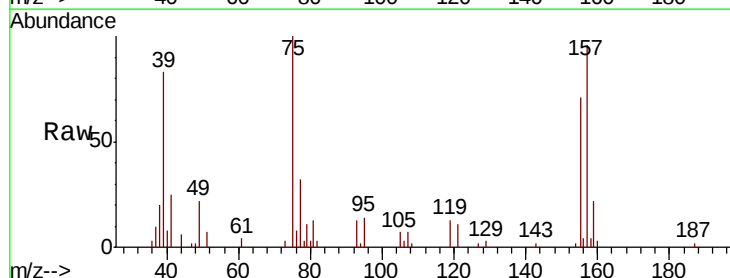
Tgt Ion: 75 Resp: 10807

Ion Ratio Lower Upper

75 100

155 70.7 61.4 92.2

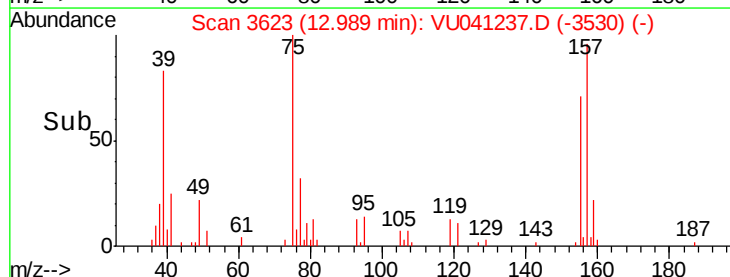
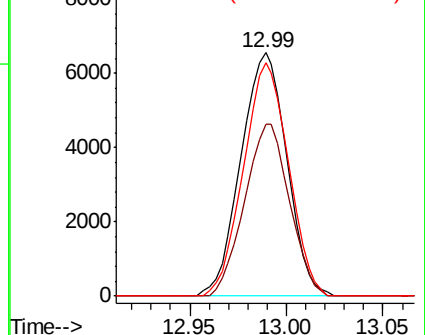
157 95.6 74.2 111.4

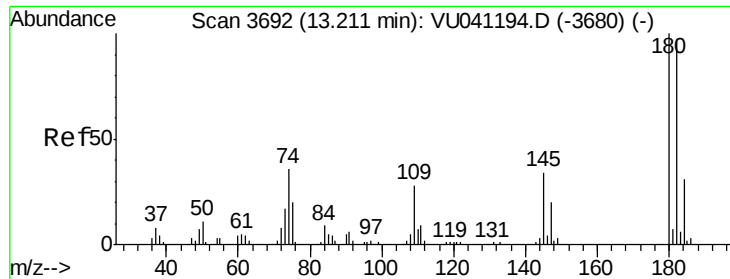


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

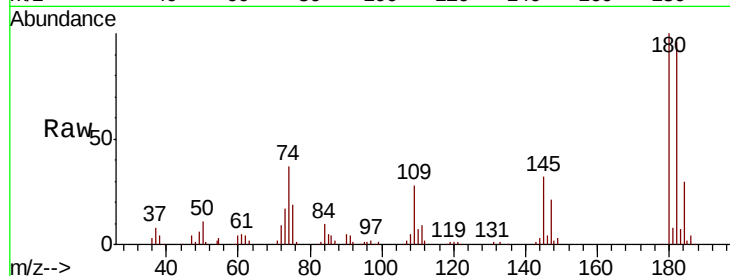




#67
 1,3,5-Trichlorobenzene
 Concen: 10.159 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion	180	Resp	78415
Ion Ratio	100	Lower	Upper
182	96.3	75.7	113.5
184	30.3	23.7	35.5
145	32.4	26.1	39.1



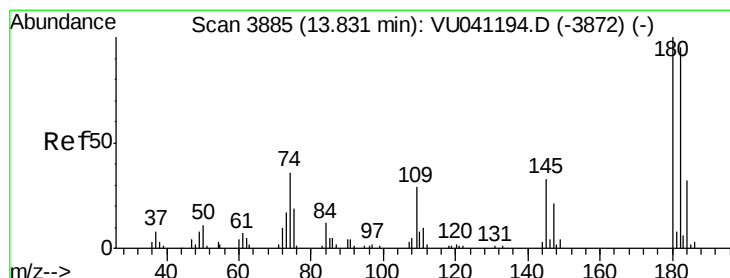
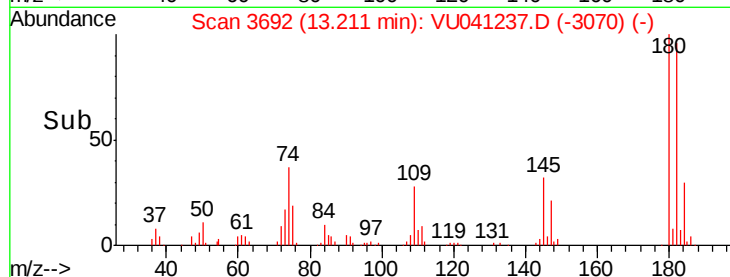
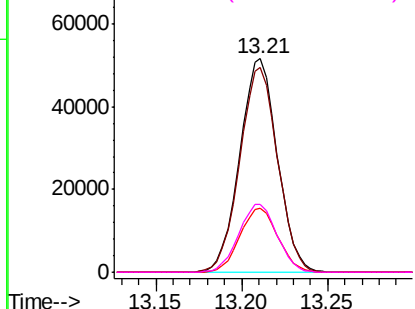
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

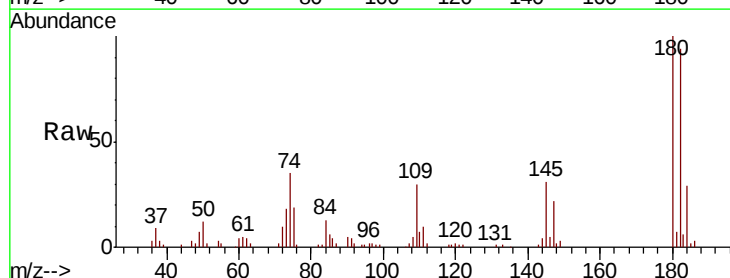
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.535 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041237.D
 Acq: 16 Nov 2020 09:47

Tgt Ion	180	Resp	67362
Ion Ratio	100	Lower	Upper
182	96.0	73.5	110.3
145	33.1	26.6	40.0

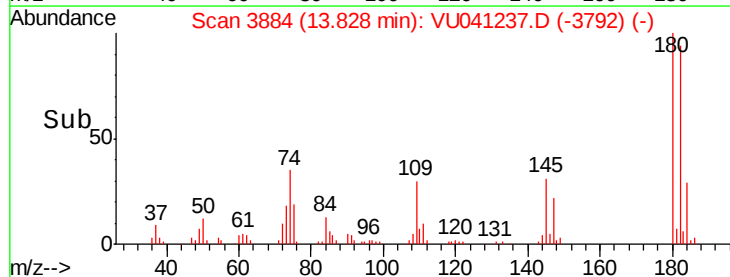
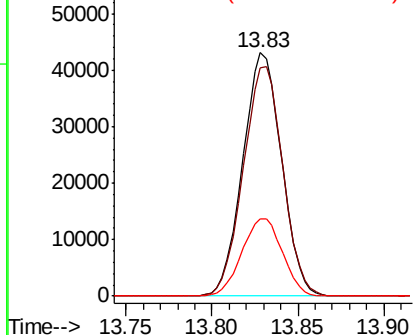


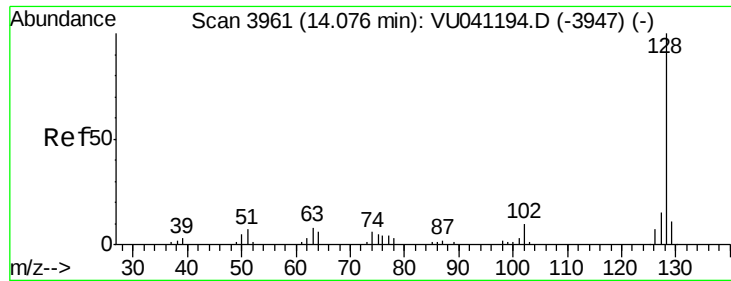
Abundance

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: 11.344 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

Instrument :

MSVOA_U

ClientSampled :

VSTD01005

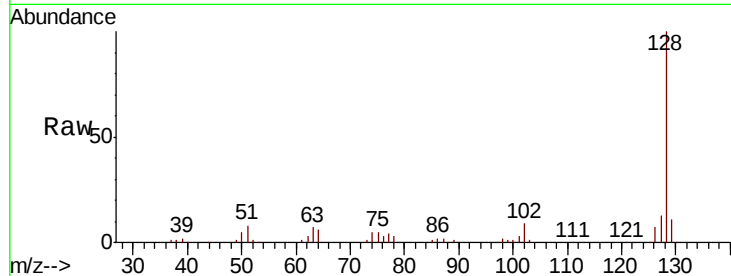
Tot Ion:128 Resp: 129701

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

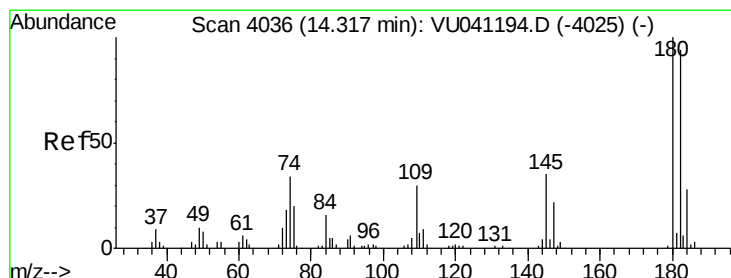
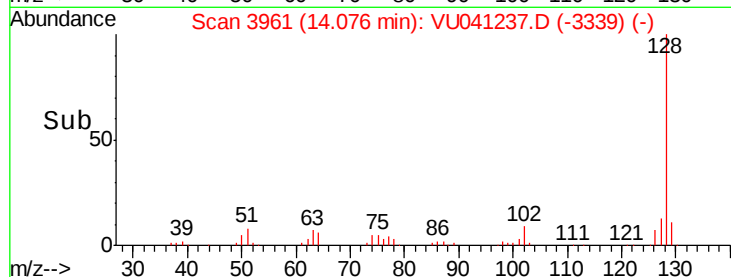
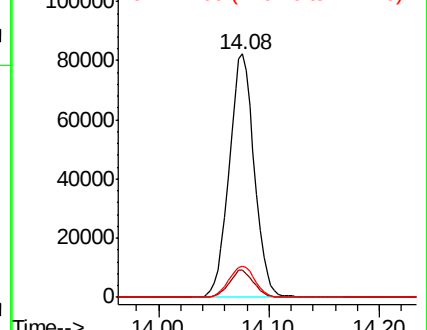
127 13.2 10.8 16.2



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: 10.863 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041237.D

Acq: 16 Nov 2020 09:47

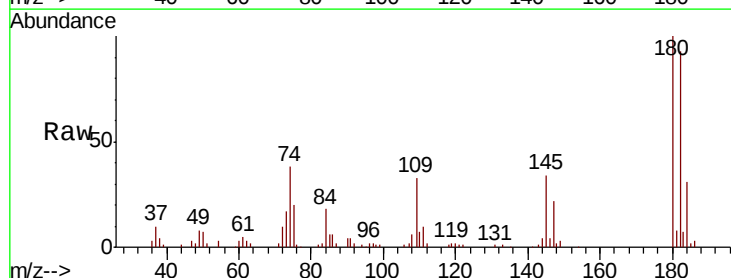
Tgt Ion:180 Resp: 64015

Ion Ratio Lower Upper

180 100

182 96.1 77.7 116.5

145 35.0 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

