

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041194.D
 Acq On : 11 Nov 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Nov 11 13:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 10:55:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67060	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25542	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.92	69	20259	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	49967	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.65	46	91574	49.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.72%
24) Chloroform-d	5.08	84	50725	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.72	65	31158	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	93413	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	31837	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.90	98	87291	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	8.19	79	13150	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.64	63	67817	49.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27063	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	30114	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	26576	4.341 ug/L	99
3) Chloromethane	1.53	50	28038	4.392 ug/L	98
5) Vinyl chloride	1.61	62	28871	4.584 ug/L	100
6) Bromomethane	1.87	94	16063	4.450 ug/L	97
8) Chloroethane	1.94	64	16991	4.258 ug/L	99
9) Trichlorofluoromethane	2.15	101	42263	4.937 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24790	4.941 ug/L	97
12) 1,1-Dichloroethene	2.59	96	21507	4.540 ug/L	95
13) Acetone	2.66	43	60997	48.090 ug/L #	54
14) Carbon disulfide	2.81	76	64478	4.073 ug/L	100
15) Methyl Acetate	2.97	43	14192	4.890 ug/L	96
16) Methylene chloride	3.06	84	26604	4.820 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	59477	4.879 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	22781	4.732 ug/L	99
19) 1,1-Dichloroethane	3.89	63	47858	4.973 ug/L	98
21) 2-Butanone	4.73	43	98028	49.449 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	26028	5.242 ug/L	99

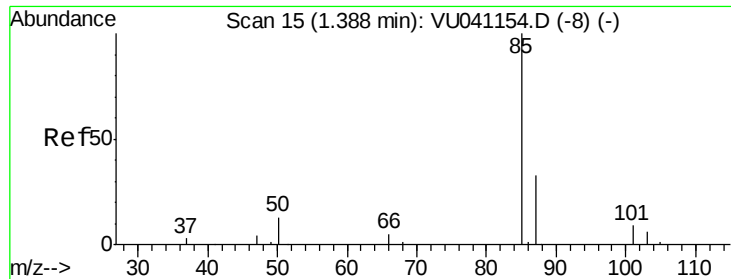
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041194.D
 Acq On : 11 Nov 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Nov 11 13:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 10:55:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12664	5.406	ug/L	96
25) Chloroform	5.11	83	51230	5.308	ug/L	98
27) 1,2-Dichloroethane	5.81	62	35615	4.955	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	41341	5.030	ug/L	96
30) Cyclohexane	5.40	56	37606	4.644	ug/L	98
31) Carbon tetrachloride	5.54	117	37039	5.089	ug/L	98
33) Benzene	5.79	78	101560	5.058	ug/L	100
34) Trichloroethene	6.55	95	26946	5.273	ug/L	97
35) Methylcyclohexane	6.77	83	35484	4.655	ug/L	99
37) 1,2-Dichloropropane	6.80	63	28619	5.267	ug/L	97
38) Bromodichloromethane	7.11	83	36579	5.190	ug/L #	96
39) cis-1,3-Dichloropropene	7.61	75	37819	5.055	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	224263	51.766	ug/L	99
42) Toluene	7.98	91	106773	5.244	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	36434	5.204	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	21515	5.319	ug/L	90
47) Tetrachloroethene	8.56	164	19944	5.308	ug/L	93
48) 2-Hexanone	8.69	43	172224	52.796	ug/L	99
49) Dibromochloromethane	8.81	129	25599	5.450	ug/L	97
50) 1,2-Dibromoethane	8.93	107	19831	5.145	ug/L	95
51) Chlorobenzene	9.45	112	67508	5.228	ug/L	98
52) Ethylbenzene	9.57	91	108809	5.077	ug/L	96
53) m,p-Xylene	9.69	106	41152	5.265	ug/L	99
54) o-Xylene	10.10	106	39880	5.478	ug/L	97
55) Styrene	10.11	104	72329	5.576	ug/L	97
56) Isopropylbenzene	10.48	105	108014	5.518	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	26824	5.050	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	20958	5.175	ug/L	99
61) Bromoform	10.29	173	14968	5.768	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	55016	5.660	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	54230	5.387	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	50626	5.278	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4678	4.976	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	36002	5.296	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	28001	4.972	ug/L	96
69) Naphthalene	14.08	128	48063	4.773	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	27212	5.243	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.341 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

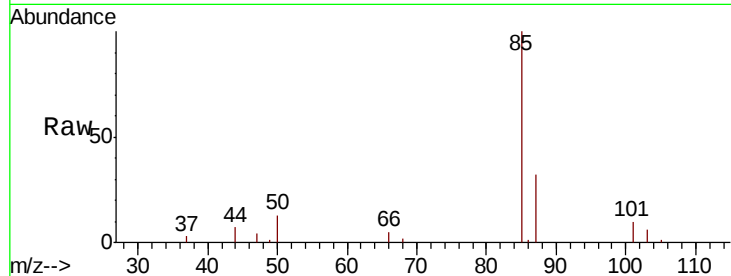
VSTD00526

Tot Ion: 85 Resp: 26576

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.8

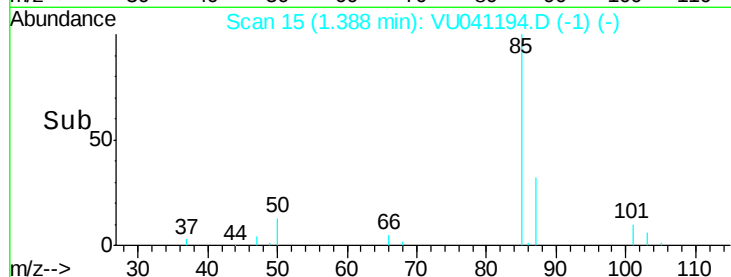


Abundance Ion 85.00 (84.70 to 85.70): VU041194.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041194.D (-1) (-)

1.39

Time-->



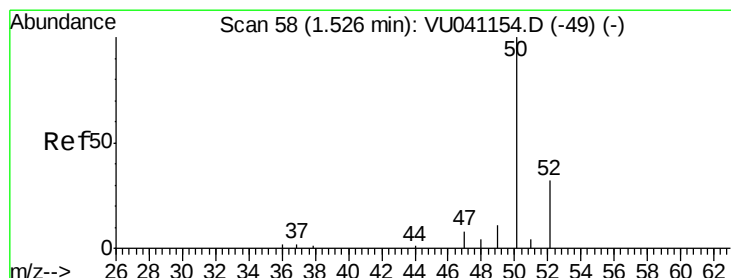
Abundance

Ion 85.00 (84.70 to 85.70): VU041194.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041194.D (-1) (-)

1.39

Time-->



#3

Chloromethane

Concen: 4.392 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041194.D

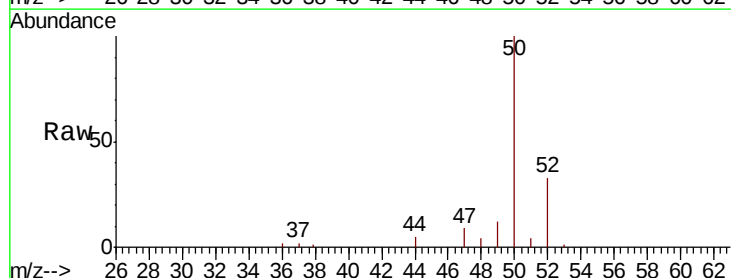
Acq: 11 Nov 2020 10:14

Tgt Ion: 50 Resp: 28038

Ion Ratio Lower Upper

50 100

52 33.0 22.4 41.6

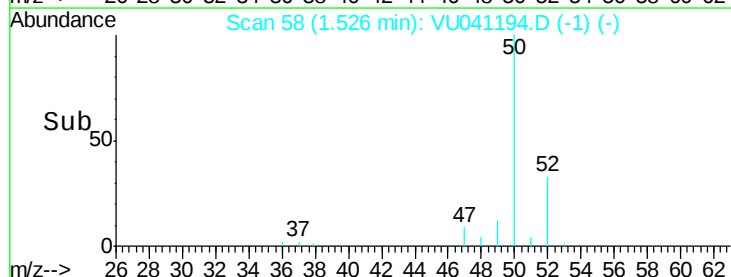


Abundance Ion 50.05 (49.75 to 50.75): VU041194.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041194.D (-1) (-)

1.53

Time-->



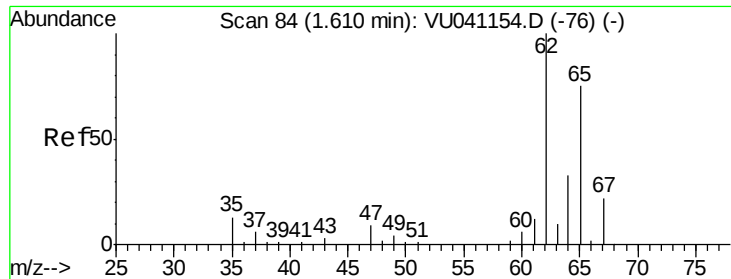
Abundance

Ion 50.05 (49.75 to 50.75): VU041194.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041194.D (-1) (-)

1.53

Time-->



#5

Vinyl chloride

Concen: 4.584 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

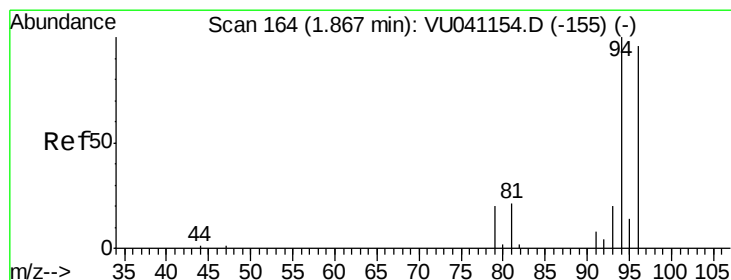
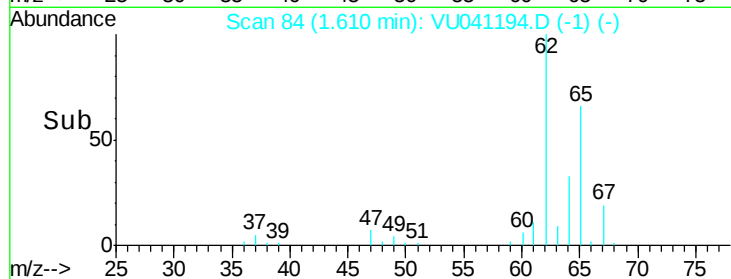
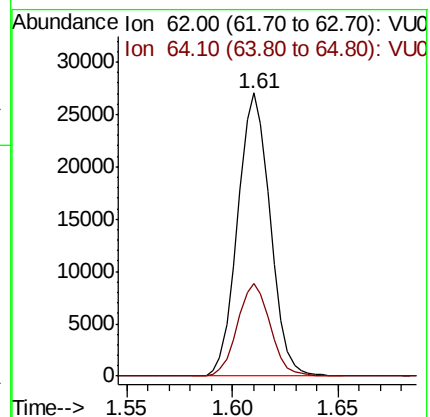
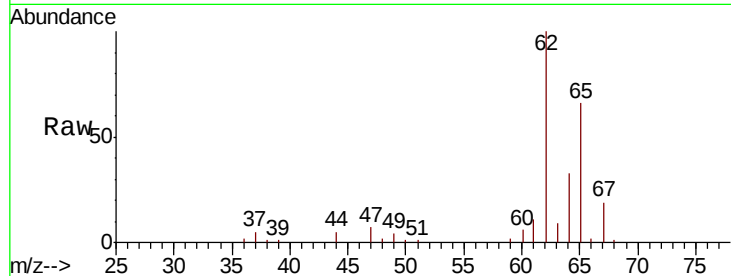
VSTD00526

Tot Ion: 62 Resp: 28871

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3



#6

Bromomethane

Concen: 4.450 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041194.D

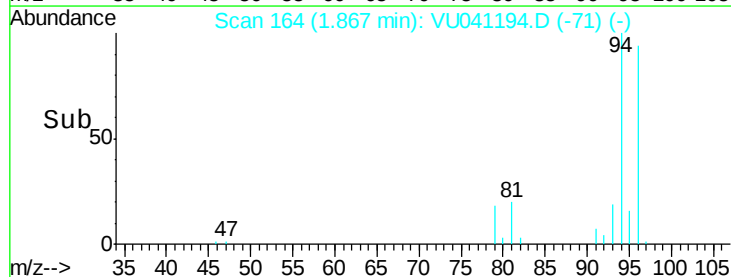
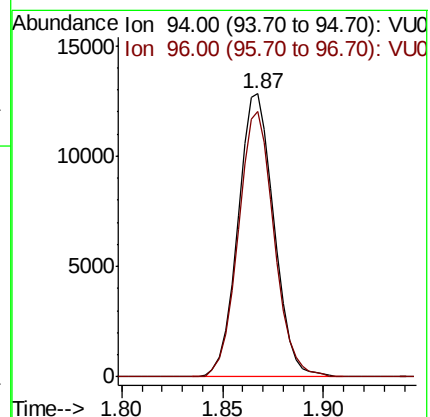
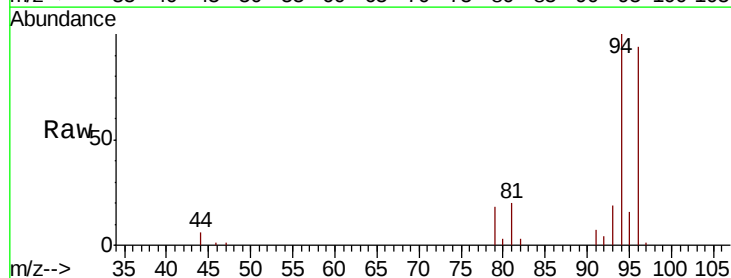
Acq: 11 Nov 2020 10:14

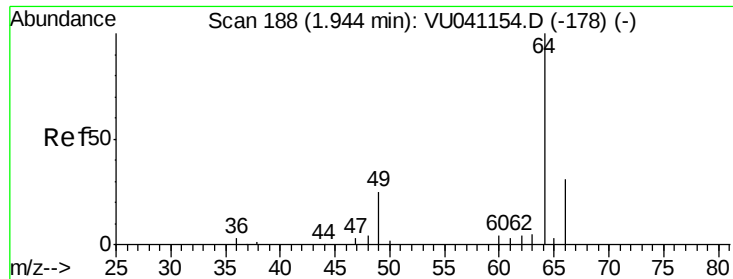
Tgt Ion: 94 Resp: 16063

Ion Ratio Lower Upper

94 100

96 93.8 63.5 117.9

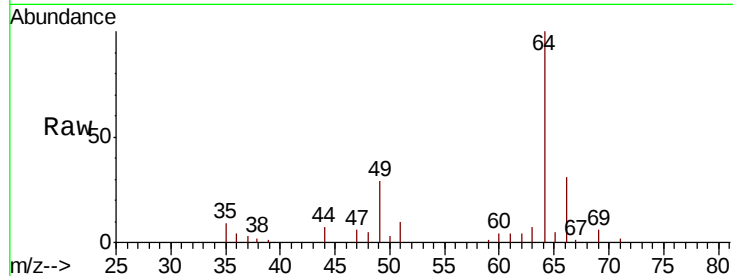




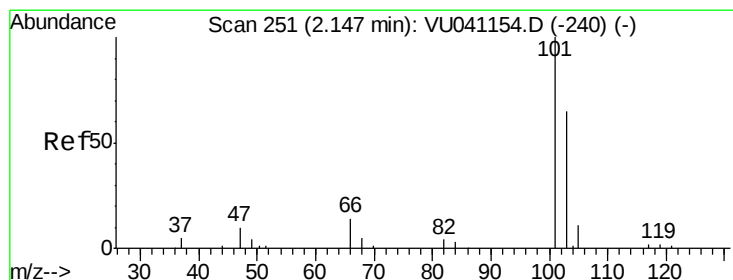
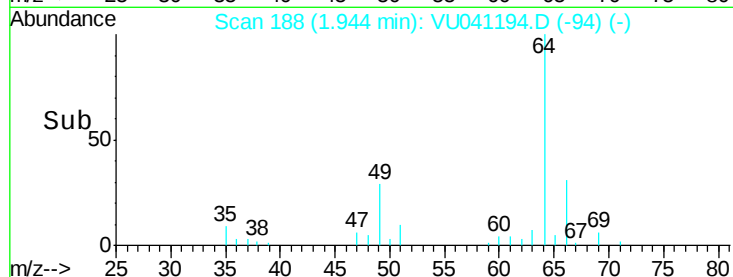
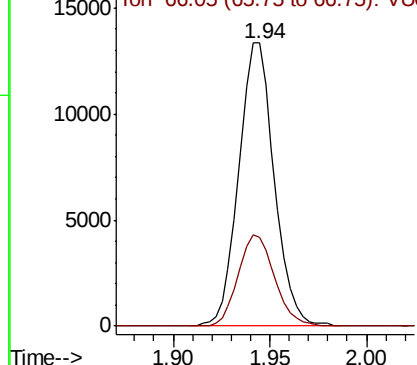
#8
Chloroethane
Concen: 4.258 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 64 Resp: 16991
Ion Ratio Lower Upper
64 100
66 31.4 22.3 41.5

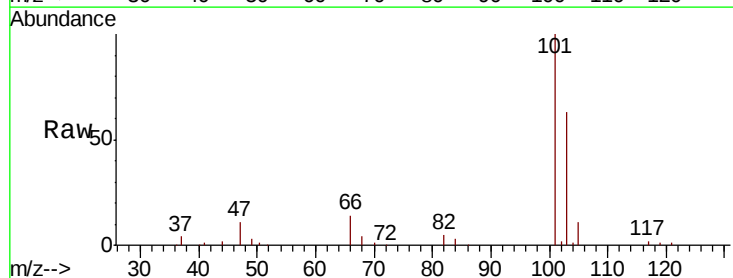


Abundance Ion 64.10 (63.80 to 64.80): VU041194.D (-178) (-)
Ion 66.05 (65.75 to 66.75): VU041194.D (-178) (-)

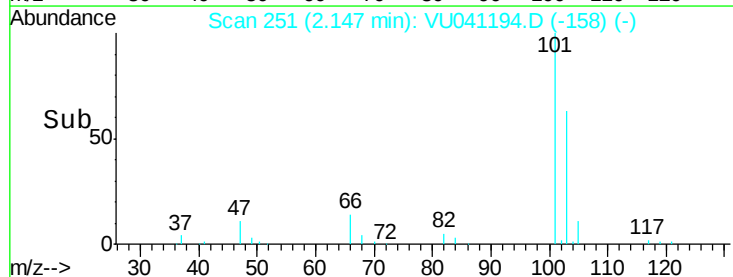
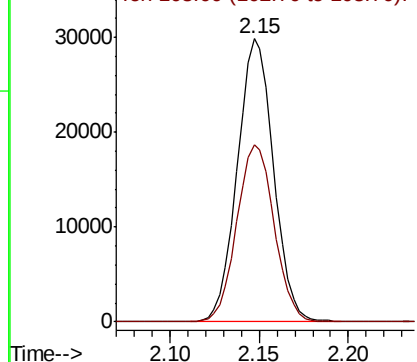


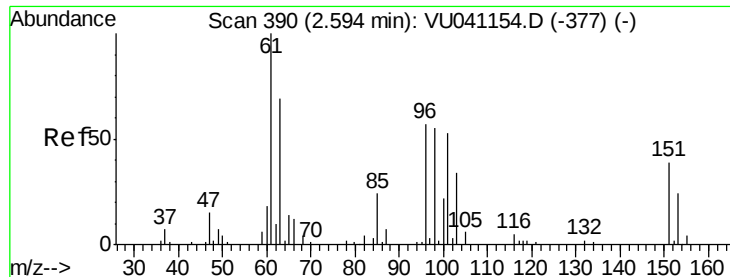
#9
Trichlorofluoromethane
Concen: 4.937 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 101 Resp: 42263
Ion Ratio Lower Upper
101 100
103 64.7 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: 4.941 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

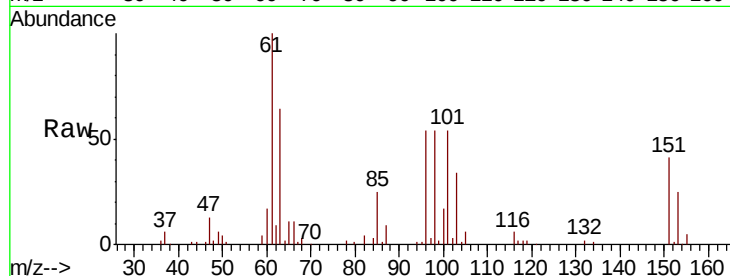
Tot Ion:101 Resp: 24790

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.4

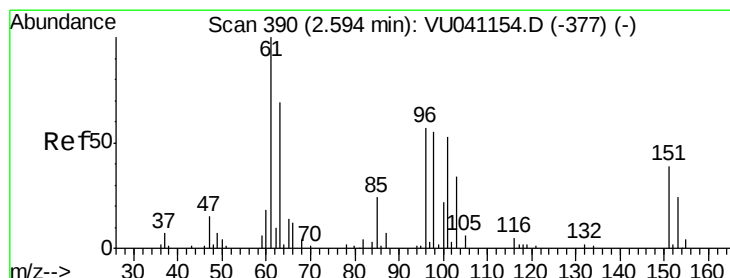
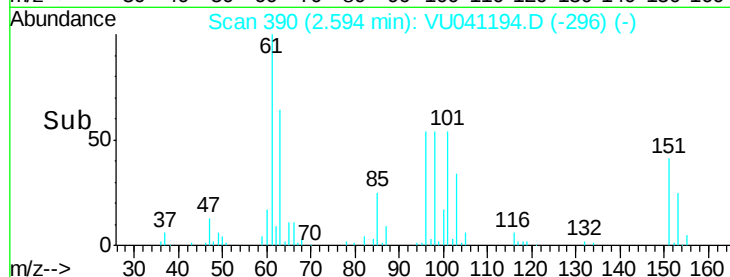
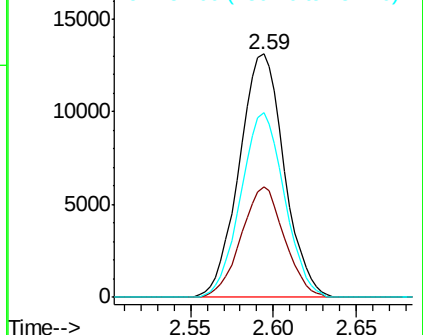
151 73.6 55.3 82.9



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: 4.540 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

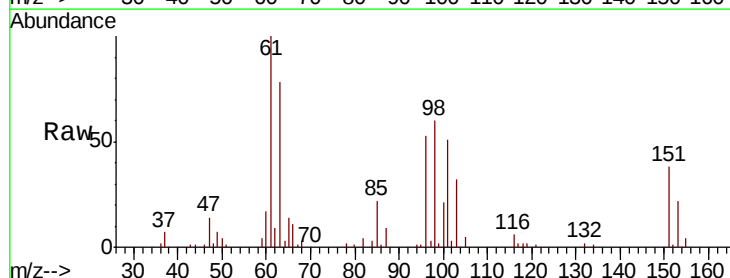
Tgt Ion: 96 Resp: 21507

Ion Ratio Lower Upper

96 100

61 190.1 134.3 249.5

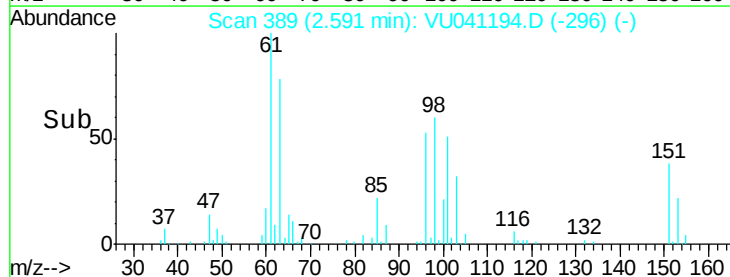
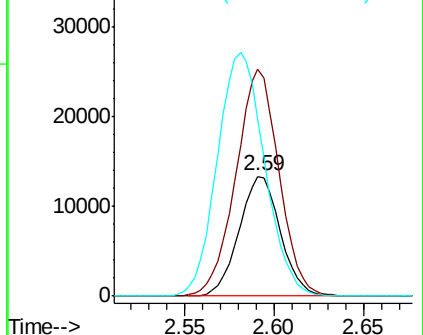
63 148.5 95.0 176.4

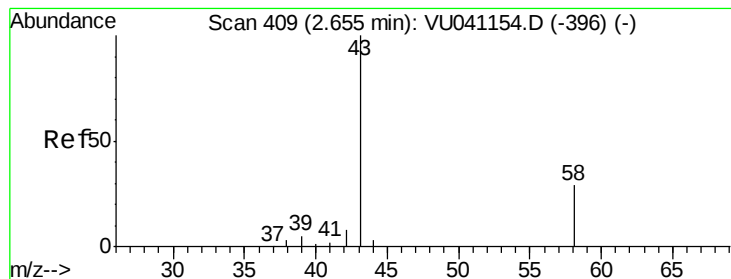


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.090 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

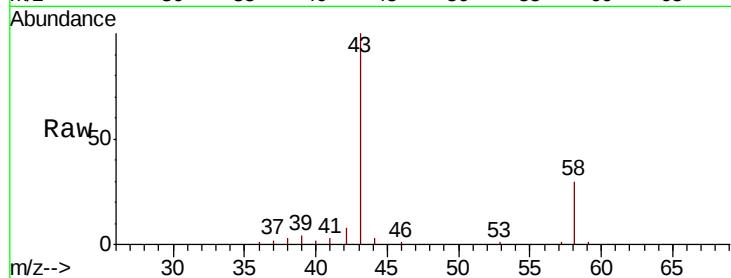
VSTD00526

Tot Ion: 43 Resp: 60997

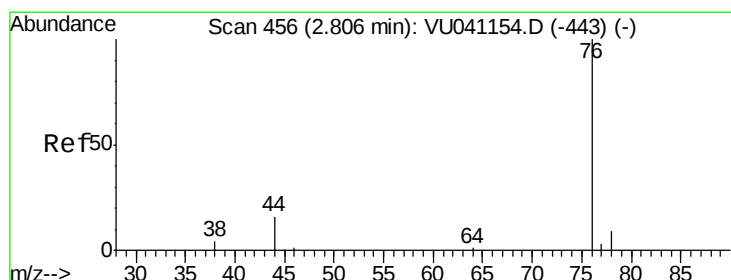
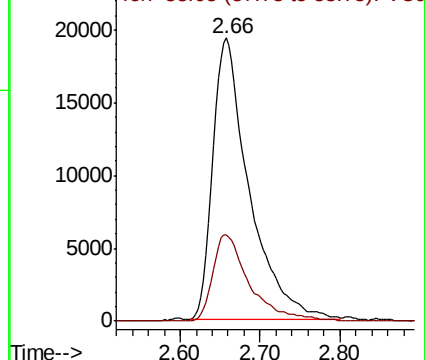
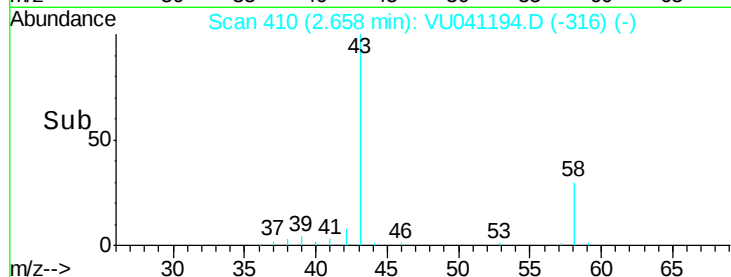
Ion Ratio Lower Upper

43 100

58 30.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-316) (-)



#14

Carbon disulfide

Concen: 4.073 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041194.D

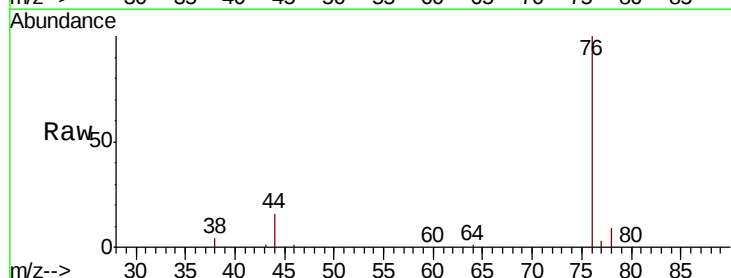
Acq: 11 Nov 2020 10:14

Tgt Ion: 76 Resp: 64478

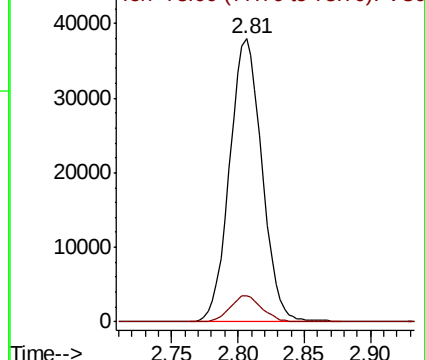
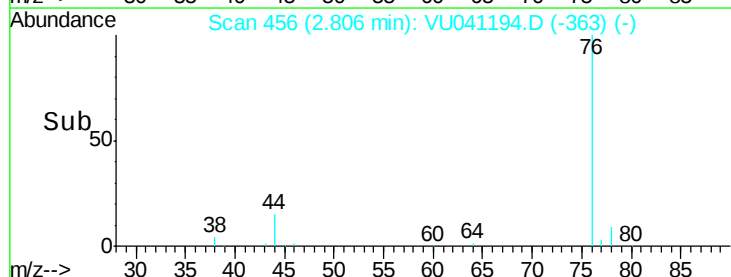
Ion Ratio Lower Upper

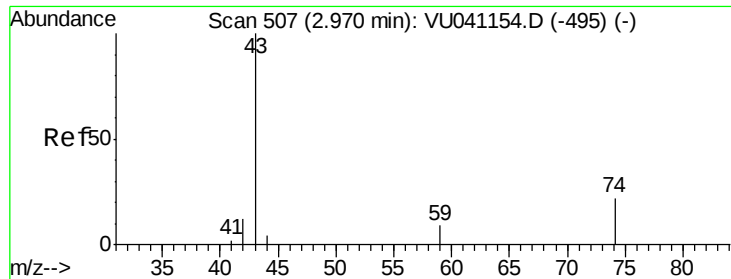
76 100

78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041194.D (-363) (-)

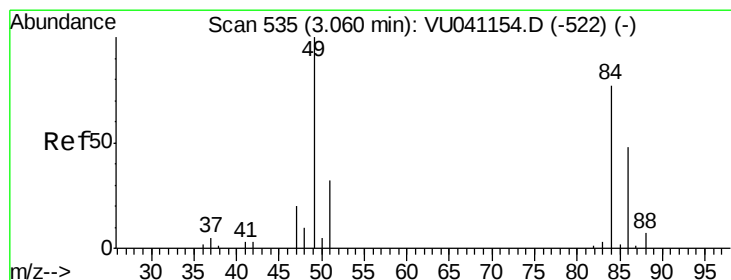
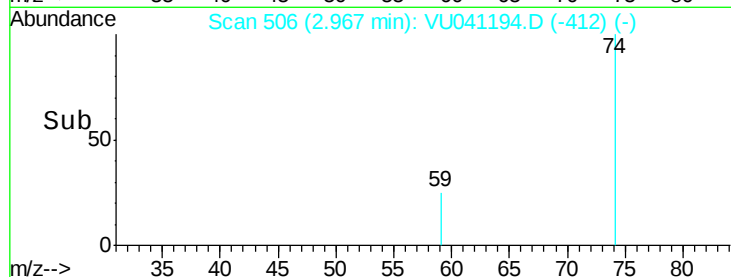
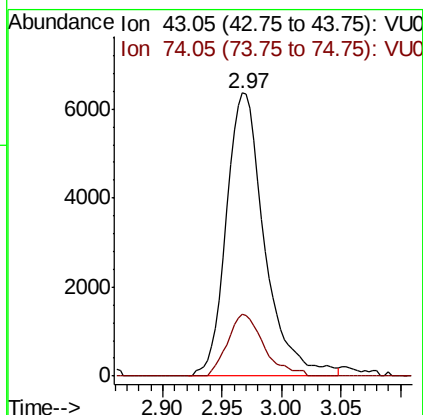
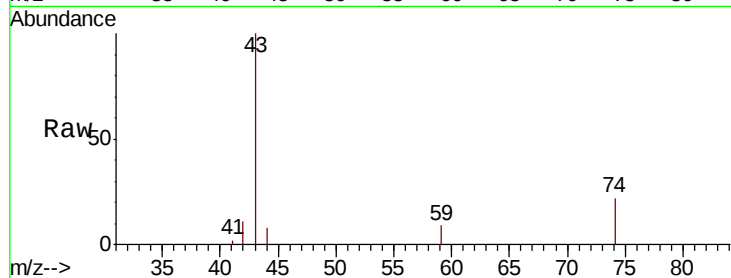




#15
Methvl Acetate
Concen: 4.890 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

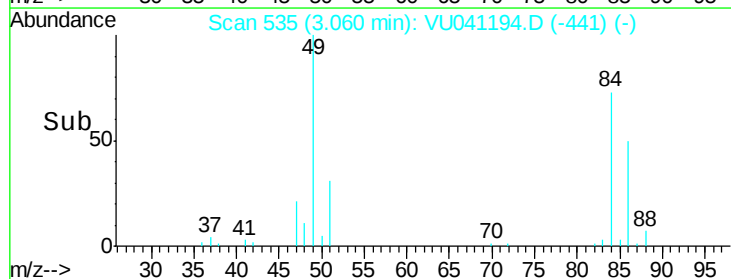
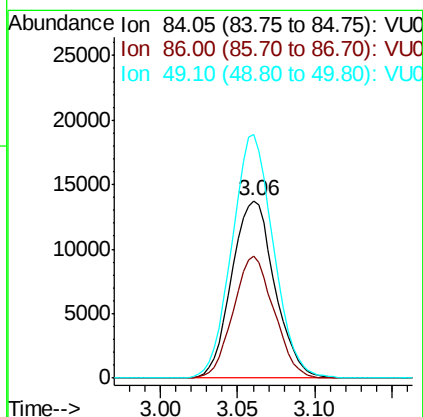
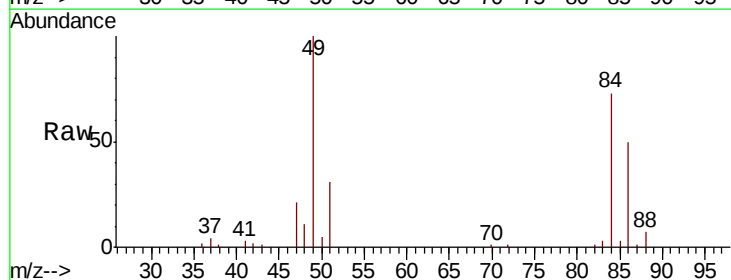
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

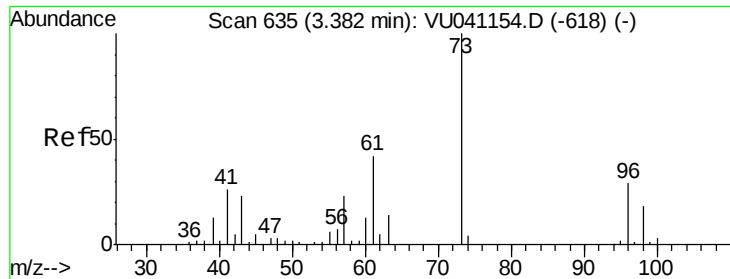
Tot Ion: 43 Resp: 14192
Ion Ratio Lower Upper
43 100
74 20.7 18.3 27.5



#16
Methylene chloride
Concen: 4.820 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 84 Resp: 26604
Ion Ratio Lower Upper
84 100
86 68.7 42.8 79.6
49 137.1 99.5 184.7

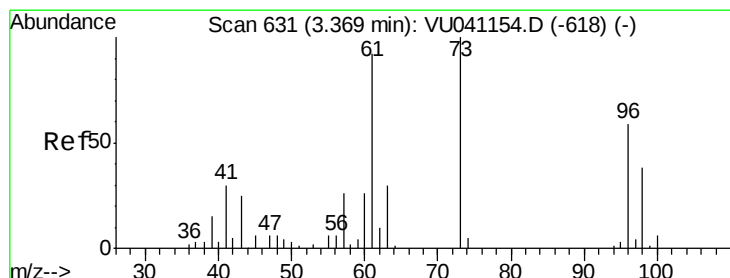
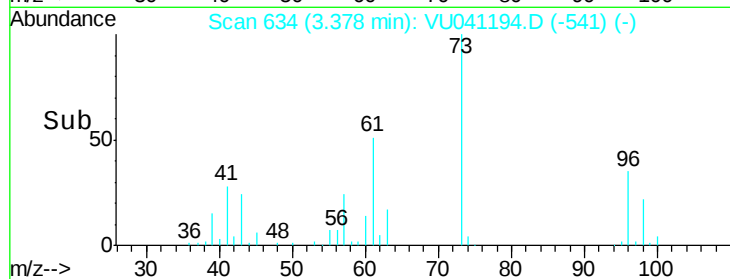
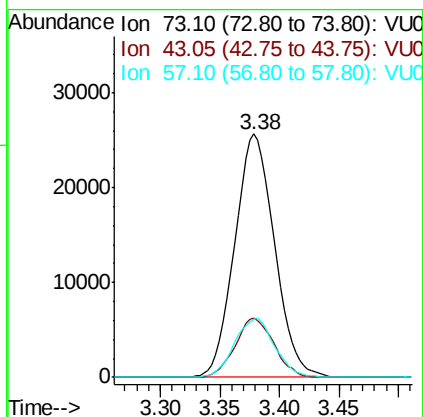
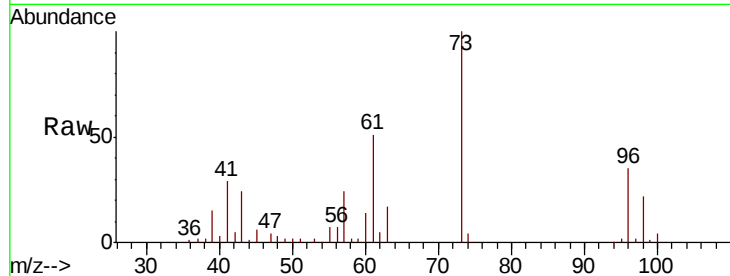




#17
Methvl tert-butvl Ether
Concen: 4.879 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

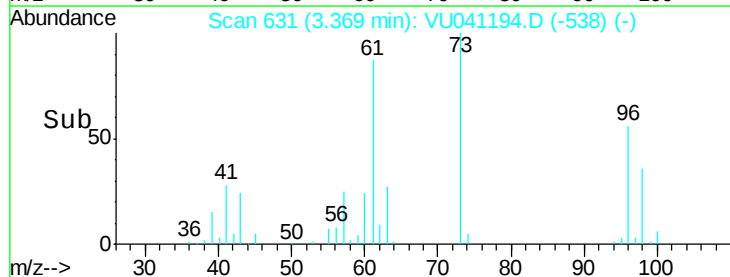
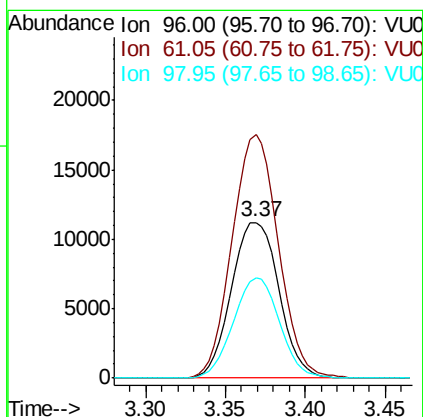
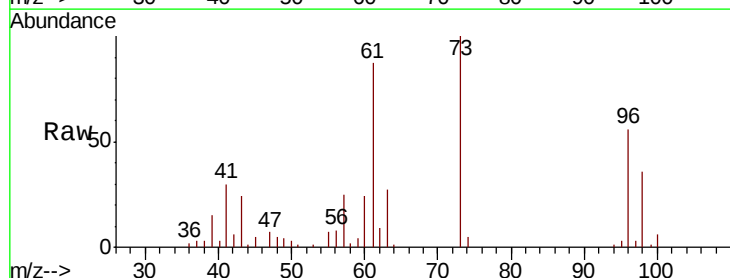
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

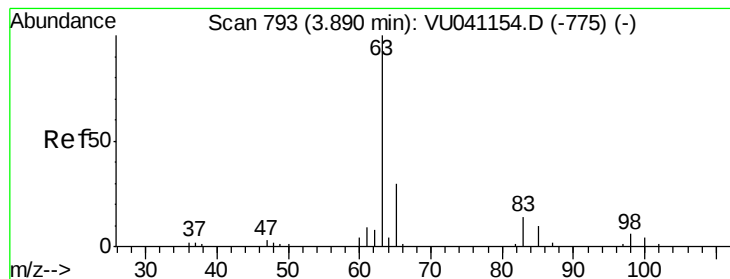
Tot Ion: 73 Resp: 59477
Ion Ratio Lower Upper
73 100
43 23.6 18.5 27.7
57 24.4 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.732 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 96 Resp: 22781
Ion Ratio Lower Upper
96 100
61 156.5 110.9 205.9
98 64.3 45.4 84.2





#19

1,1-Dichloroethane

Concen: 4.973 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

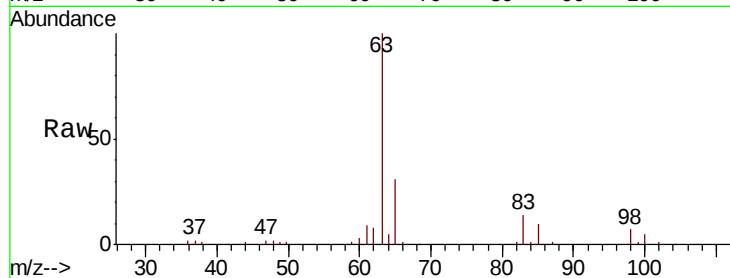
Tot Ion: 63 Resp: 47858

Ion Ratio Lower Upper

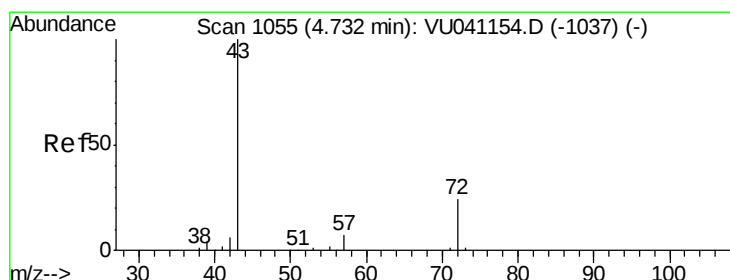
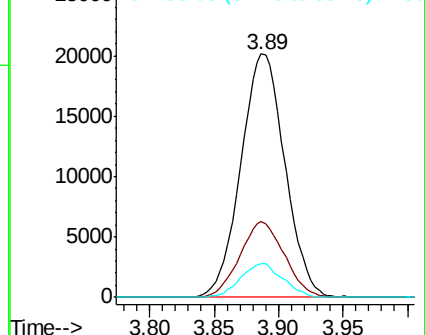
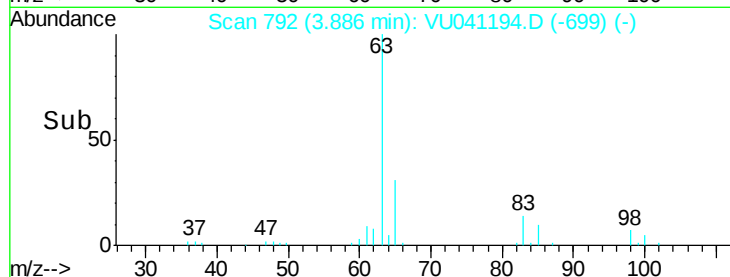
63 100

65 31.1 21.3 39.6

83 14.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041194.D (-699) (-)



#21

2-Butanone

Concen: 49.449 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041194.D

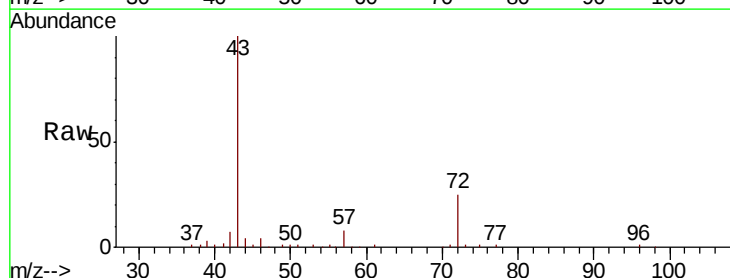
Acq: 11 Nov 2020 10:14

Tgt Ion: 43 Resp: 98028

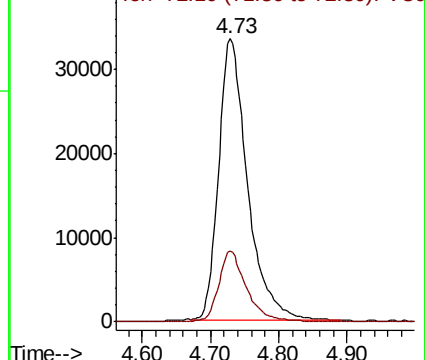
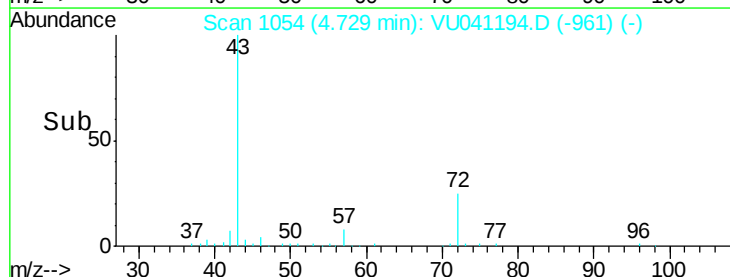
Ion Ratio Lower Upper

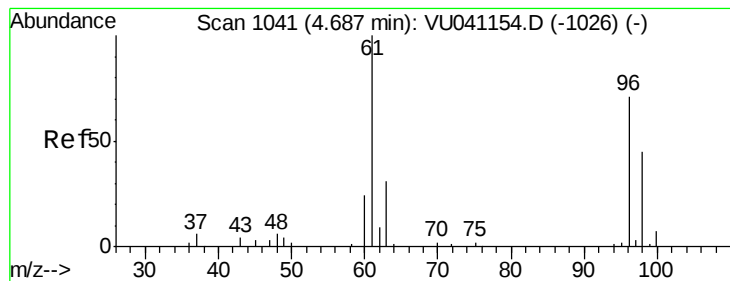
43 100

72 24.4 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.242 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

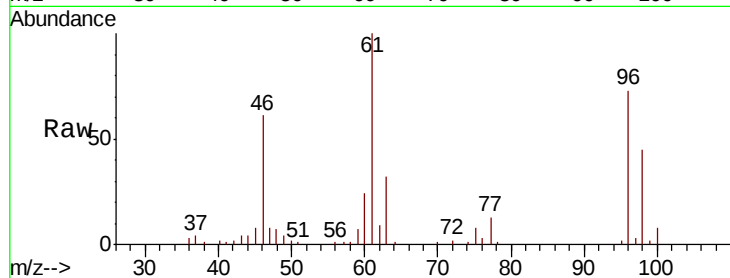
Tot Ion: 96 Resp: 26028

Ion Ratio Lower Upper

96 100

61 137.8 97.2 180.4

68 0.0 0.0 0.0

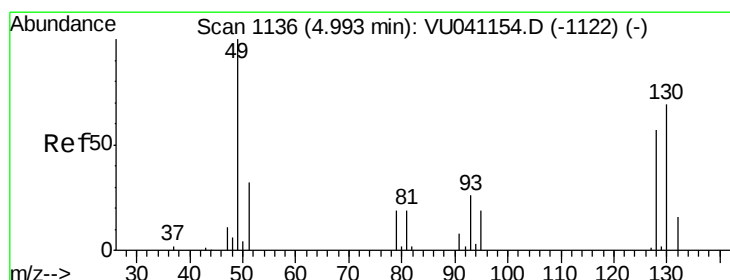
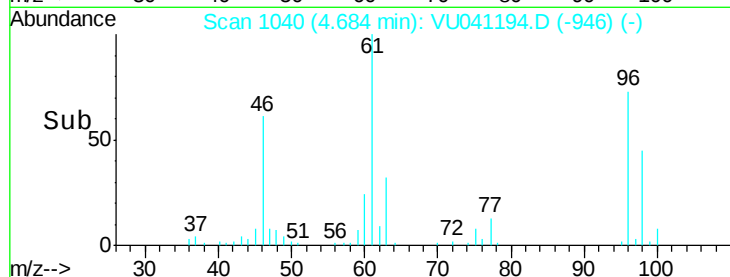
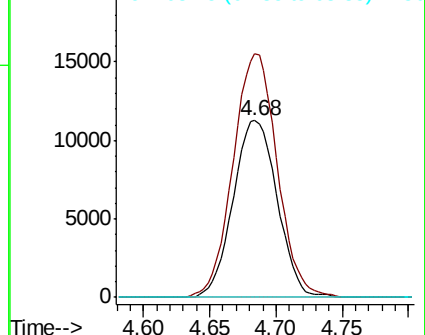


Abundance

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: 5.406 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Tgt Ion: 128 Resp: 12664

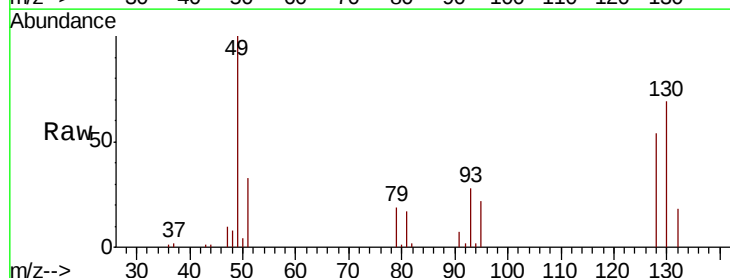
Ion Ratio Lower Upper

128 100

49 184.1 135.0 250.8

130 127.0 89.9 167.0

51 60.2 51.9 77.9



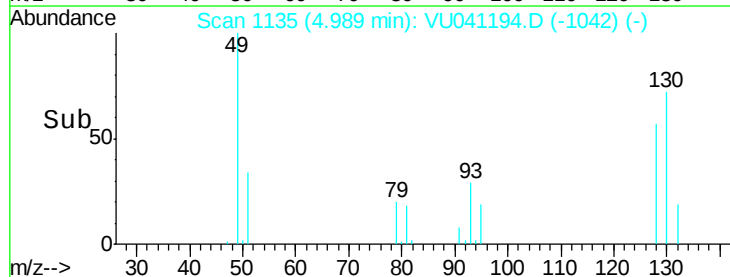
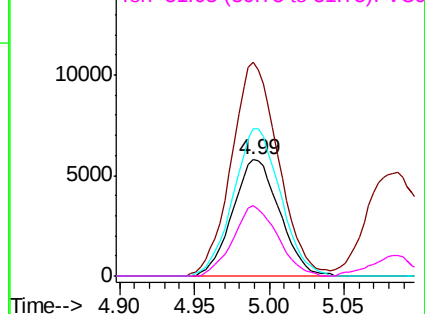
Abundance

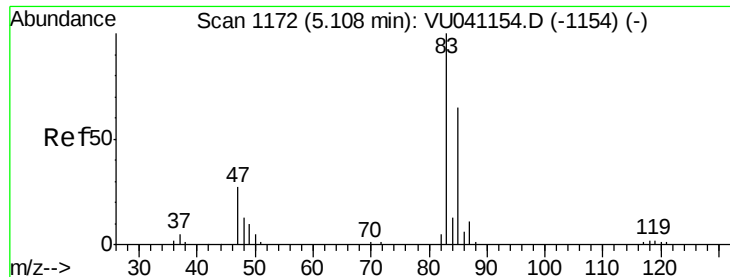
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

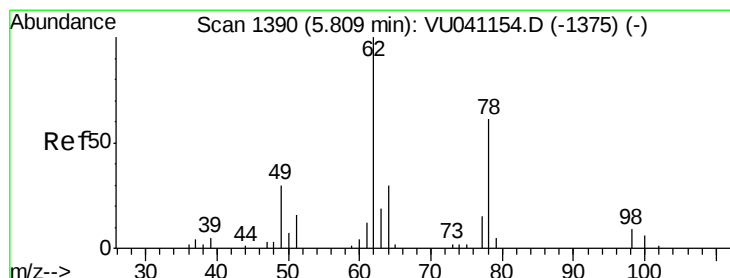
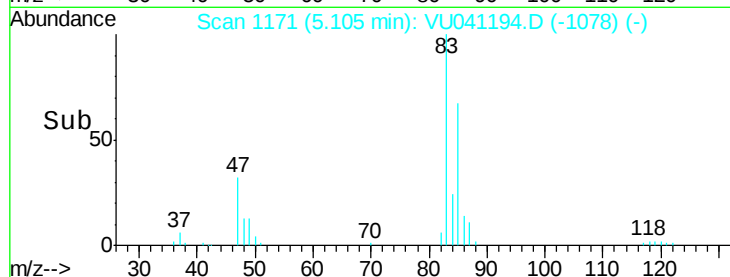
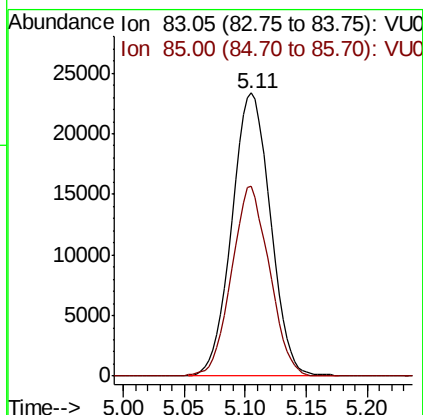
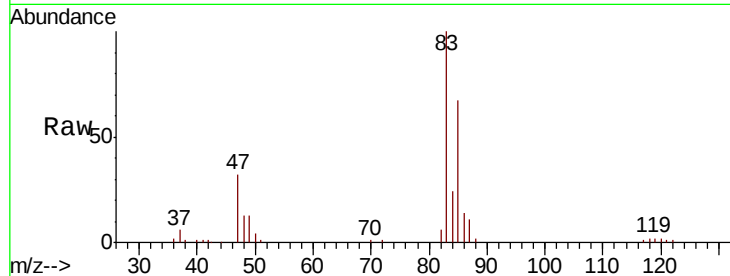




#25
Chloroform
Concen: 5.308 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

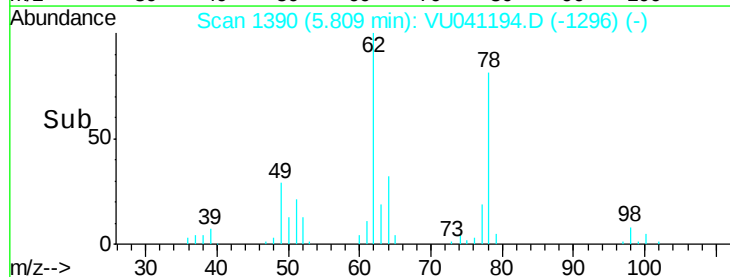
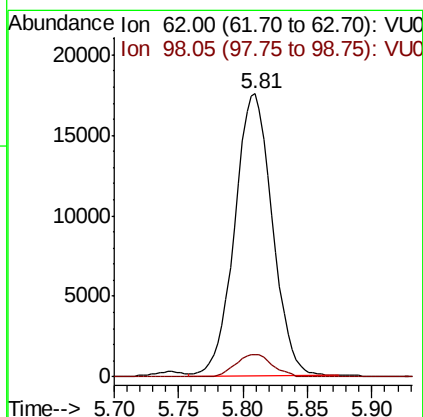
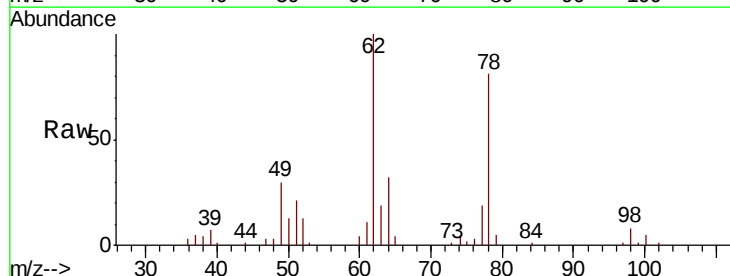
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

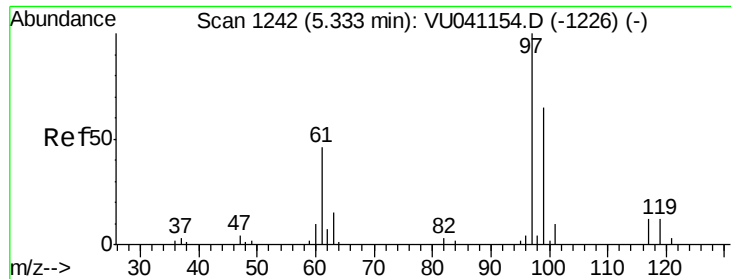
Tot Ion: 83 Resp: 51230
Ion Ratio Lower Upper
83 100
85 67.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.955 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 62 Resp: 35615
Ion Ratio Lower Upper
62 100
98 8.0 7.6 11.4

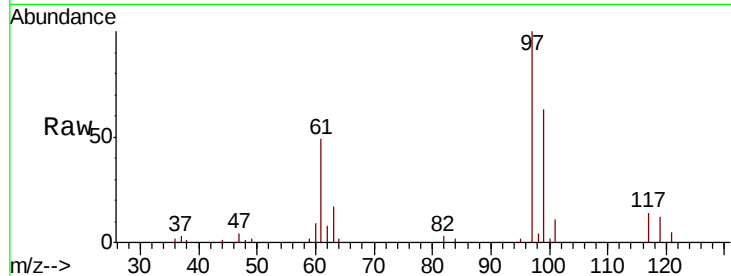




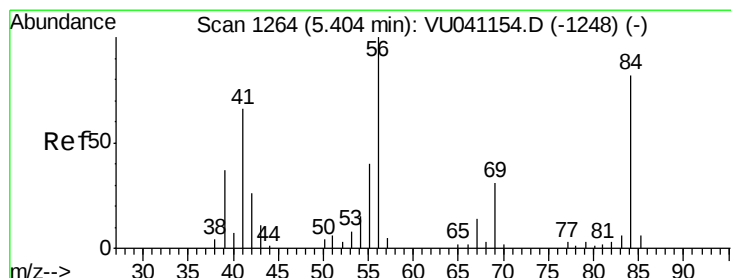
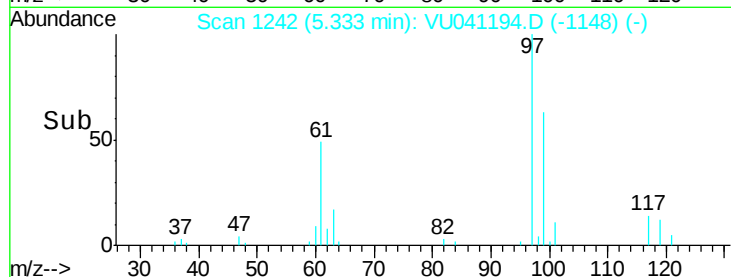
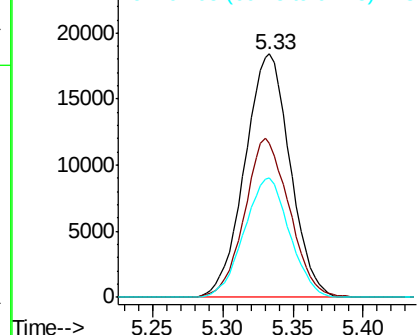
#29
 1,1,1-Trichloroethane
 Concen: 5.030 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 97 Resp: 41341
 Ion Ratio Lower Upper
 97 100
 99 64.2 53.4 80.0
 61 49.0 41.6 62.4

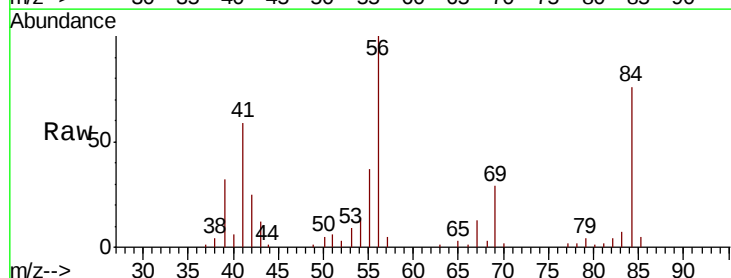


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

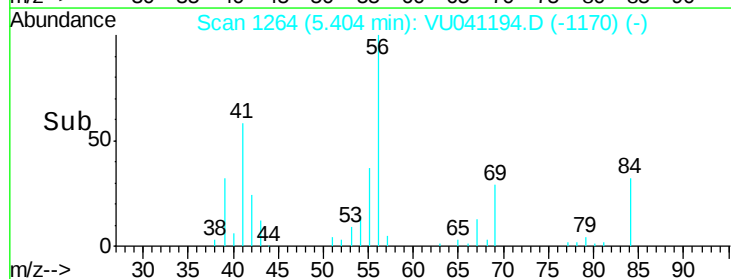
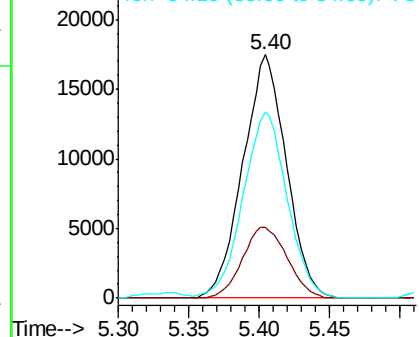


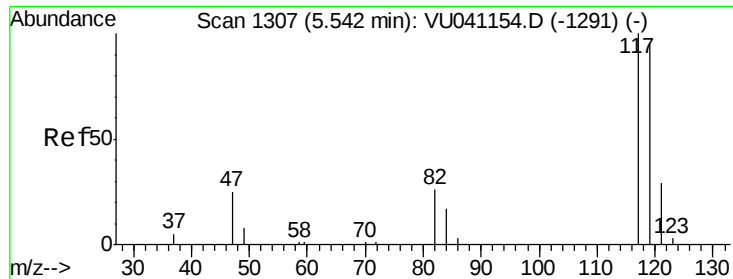
#30
 Cyclohexane
 Concen: 4.644 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Tgt Ion: 56 Resp: 37606
 Ion Ratio Lower Upper
 56 100
 69 30.0 22.8 34.2
 84 77.6 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

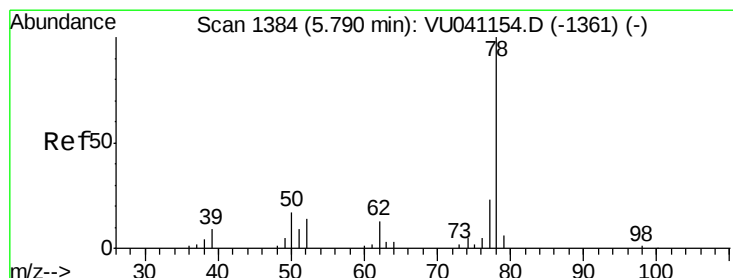
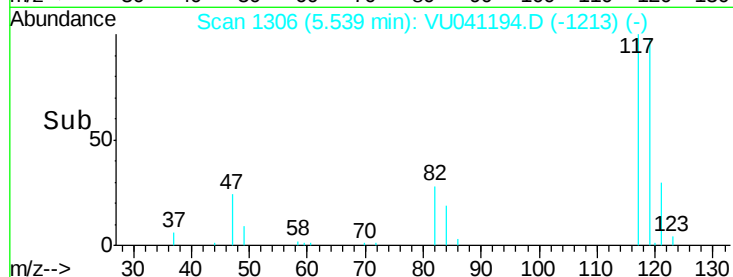
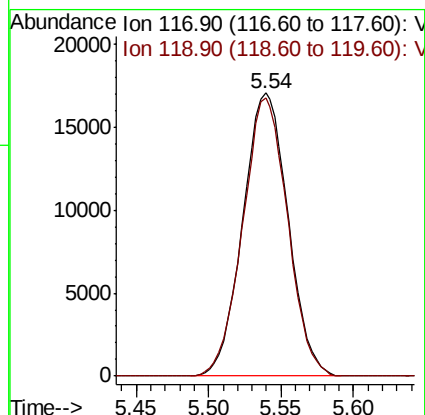
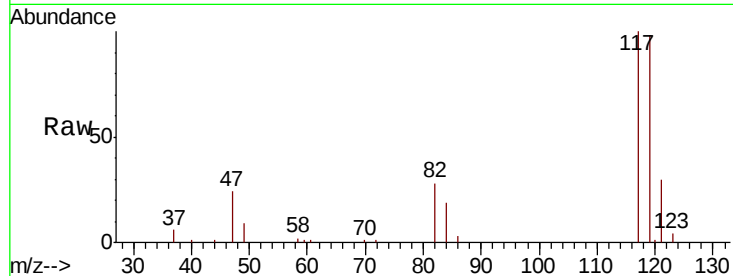




#31
Carbon tetrachloride
Concen: 5.089 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

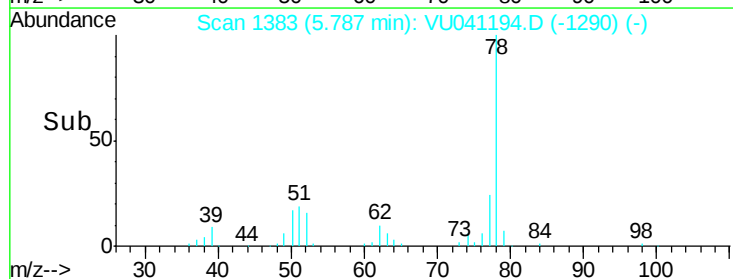
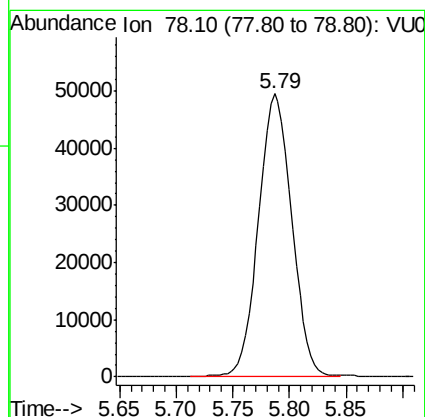
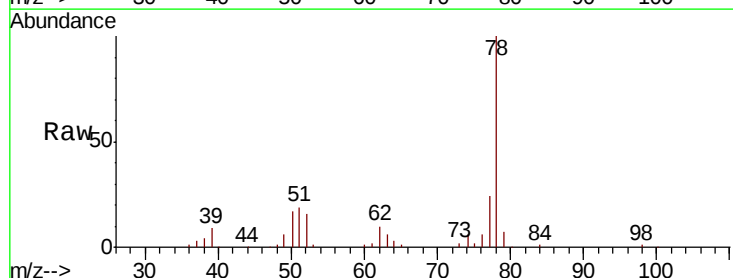
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

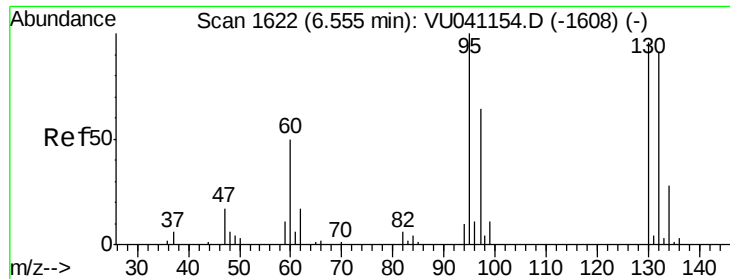
Tot Ion:117 Resp: 37039
Ion Ratio Lower Upper
117 100
119 97.4 76.1 114.1



#33
Benzene
Concen: 5.058 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 78 Resp: 101560

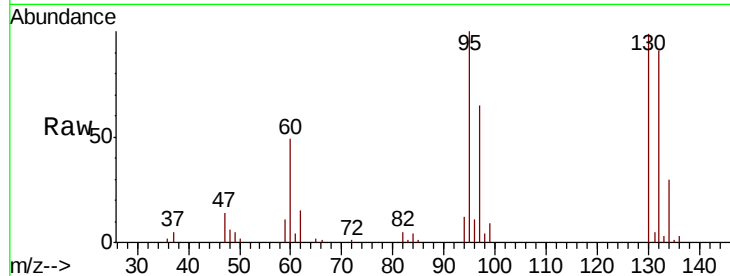




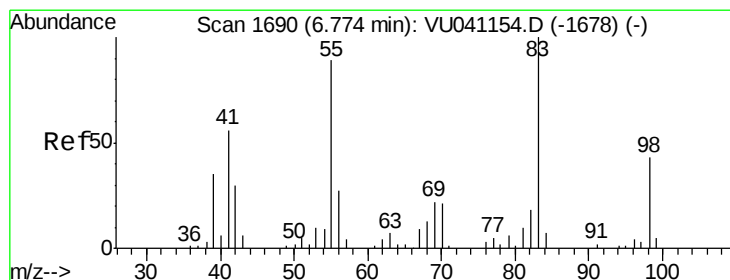
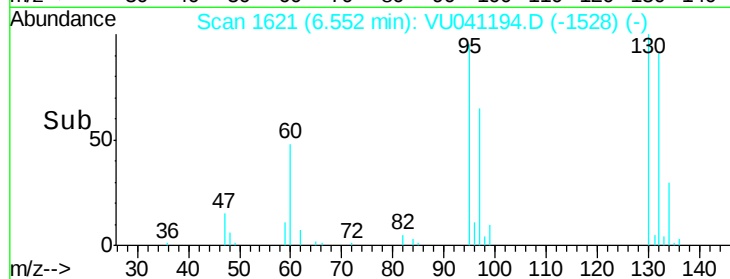
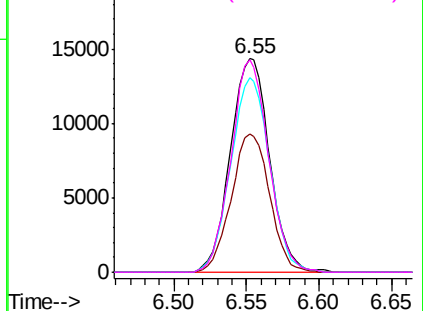
#34
 Trichloroethene
 Concen: 5.273 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 95 Resp: 26946
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.6 84.6
 132 90.8 64.8 120.4
 130 99.3 64.8 120.4

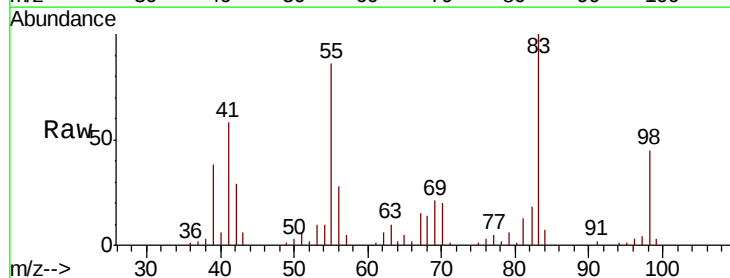


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

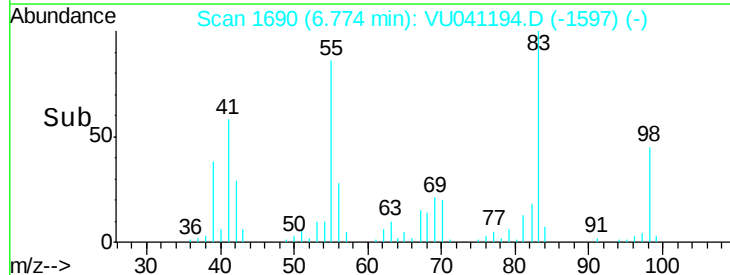
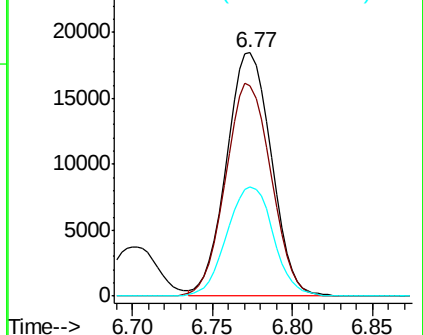


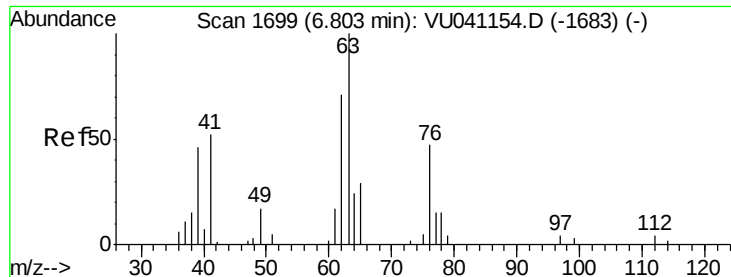
#35
 Methylcyclohexane
 Concen: 4.655 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Tgt Ion: 83 Resp: 35484
 Ion Ratio Lower Upper
 83 100
 55 88.5 72.0 108.0
 98 46.1 36.6 55.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.267 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

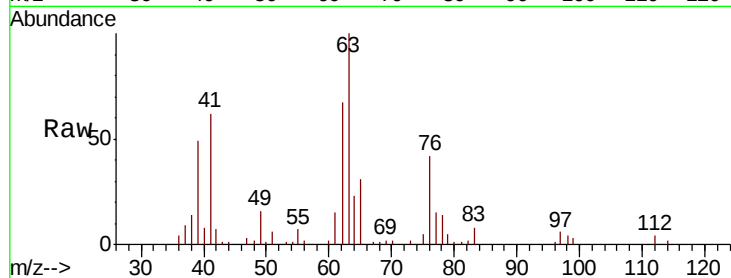
VSTD00526

Tot Ion: 63 Resp: 28619

Ion Ratio Lower Upper

63 100

112 3.6 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU041154.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU041154.D (-1683) (-)

6.80

15000

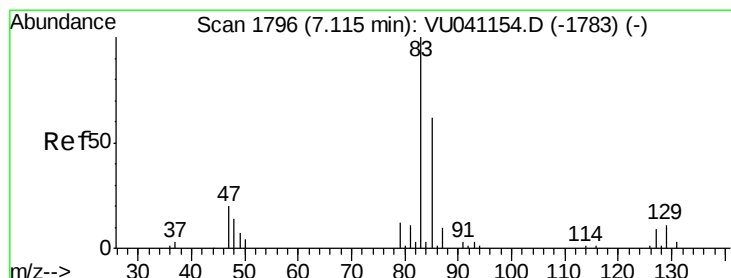
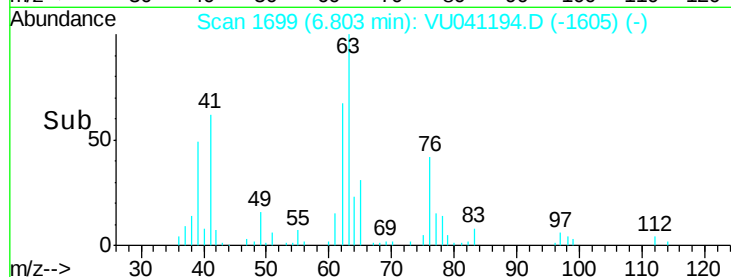
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 5.190 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

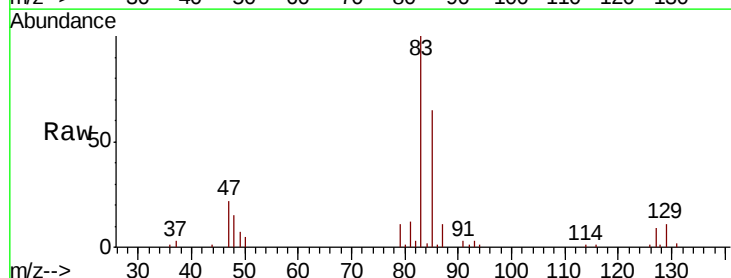
Tgt Ion: 83 Resp: 36579

Ion Ratio Lower Upper

83 100

85 65.0 43.3 80.3

127 9.0 5.9 8.9#



Abundance Ion 82.95 (82.65 to 83.65): VU041154.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU041154.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU041154.D (-1783) (-)

7.11

25000

20000

15000

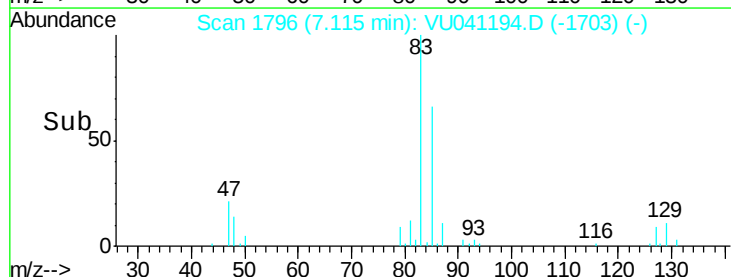
10000

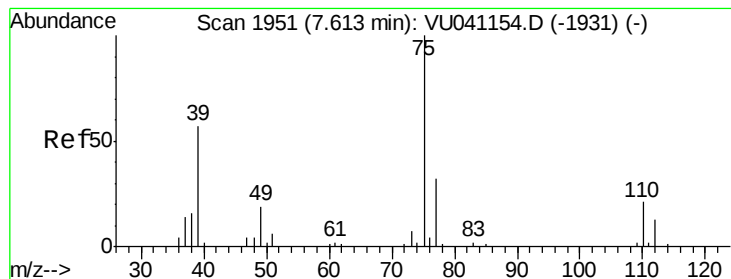
5000

0

7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.055 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

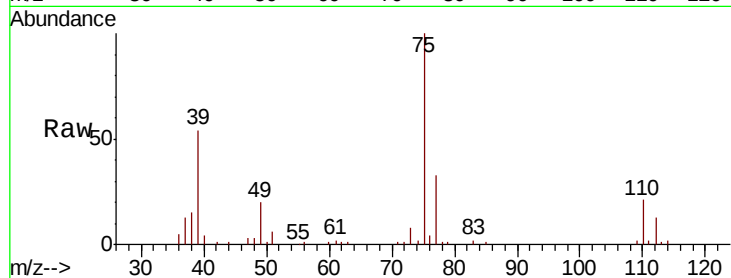
VSTD00526

Tot Ion: 75 Resp: 37819

Ion Ratio Lower Upper

75 100

77 33.2 22.7 42.3

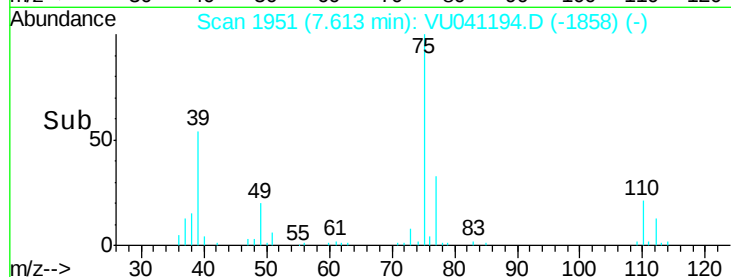


Abundance Ion 75.05 (74.75 to 75.75): VU041194.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041194.D (-1858) (-)

Time-->

7.61



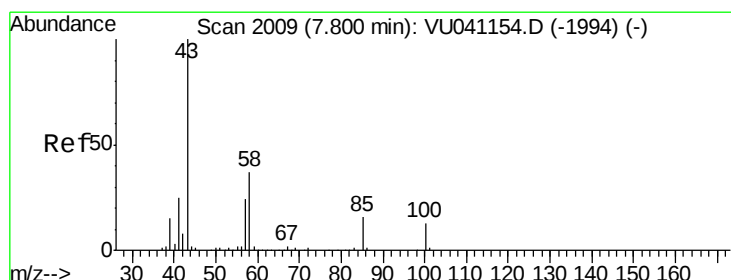
Abundance

Ion 75.05 (74.75 to 75.75): VU041194.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041194.D (-1858) (-)

Time-->

7.61



#40

4-Methyl-2-pentanone

Concen: 51.766 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

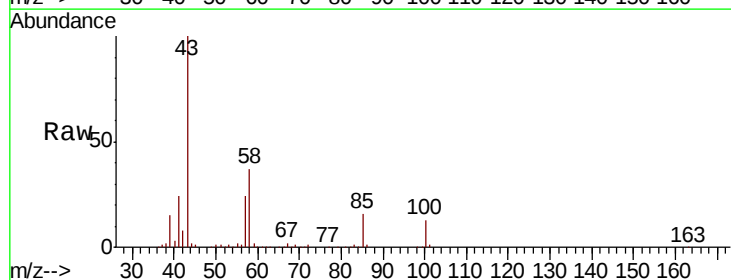
Tgt Ion: 43 Resp: 224263

Ion Ratio Lower Upper

43 100

58 36.2 29.8 44.6

100 12.8 10.5 15.7



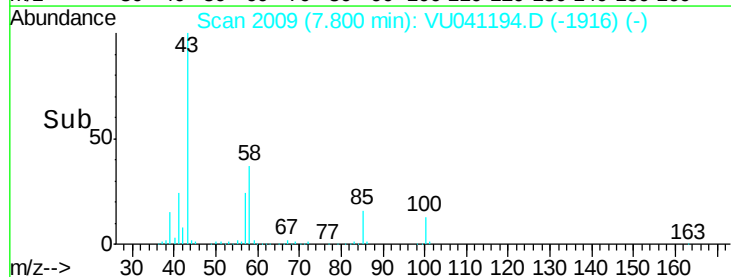
Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-1916) (-)

Ion 58.05 (57.75 to 58.75): VU041194.D (-1916) (-)

Ion 100.15 (99.85 to 100.85): VU041194.D (-1916) (-)

Time-->

7.80



Abundance

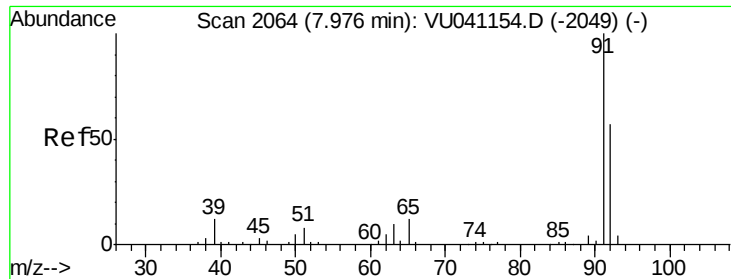
Ion 43.05 (42.75 to 43.75): VU041194.D (-1916) (-)

Ion 58.05 (57.75 to 58.75): VU041194.D (-1916) (-)

Ion 100.15 (99.85 to 100.85): VU041194.D (-1916) (-)

Time-->

7.80



#42

Toluene

Concen: 5.244 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

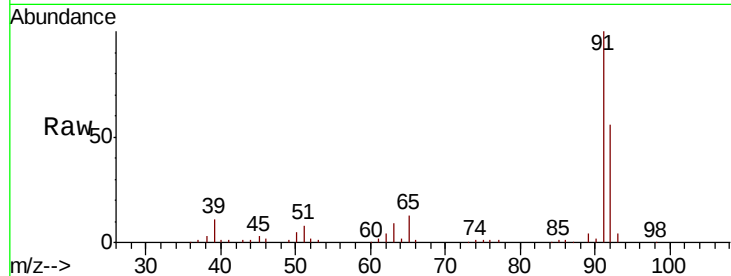
VSTD00526

Tot Ion: 91 Resp: 106773

Ion Ratio Lower Upper

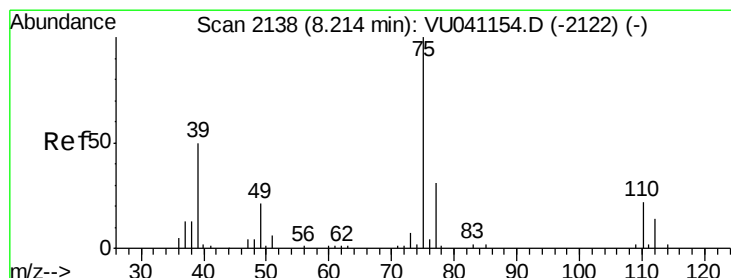
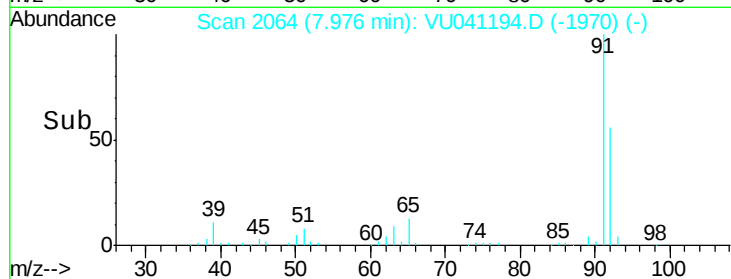
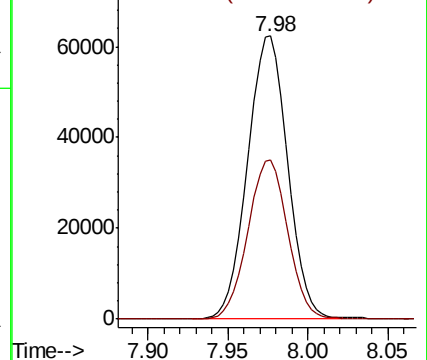
91 100

92 56.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.204 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041194.D

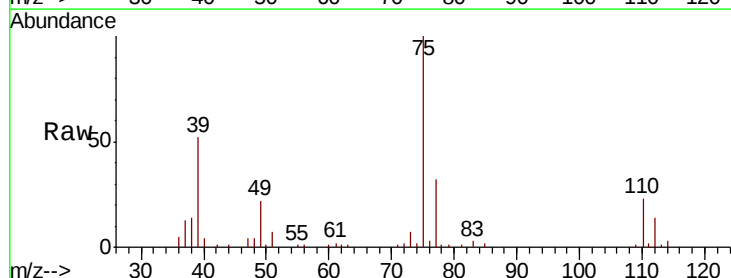
Acq: 11 Nov 2020 10:14

Tgt Ion: 75 Resp: 36434

Ion Ratio Lower Upper

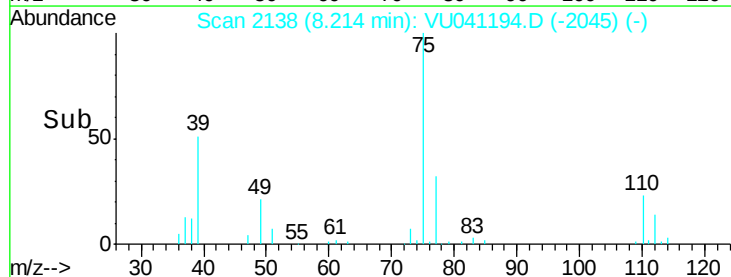
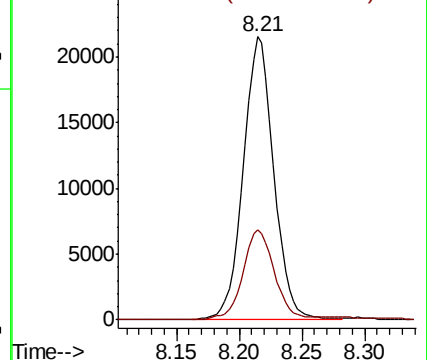
75 100

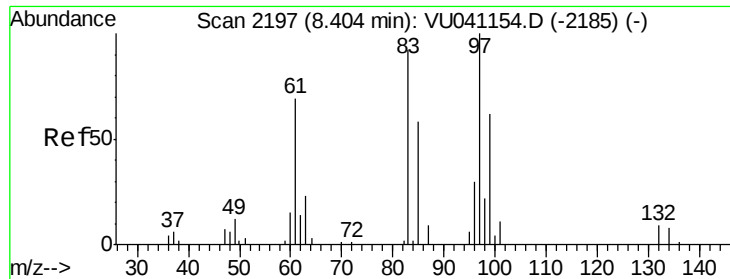
77 32.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

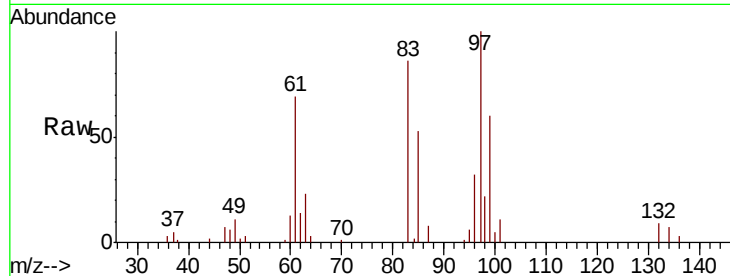




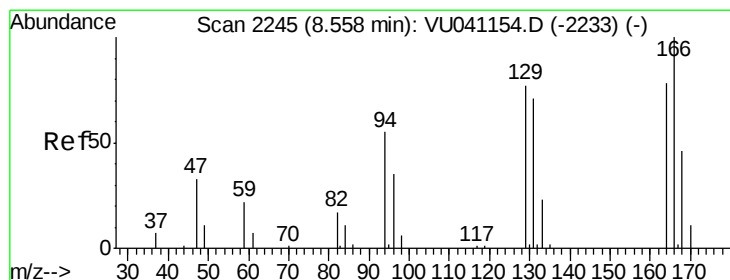
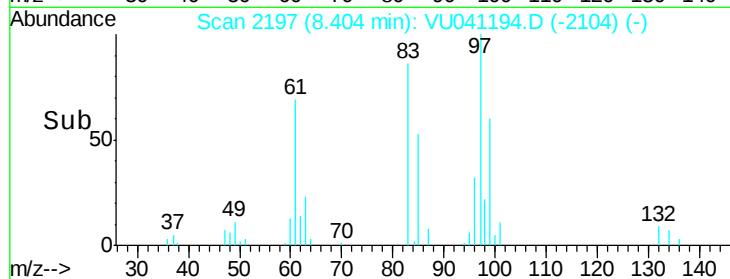
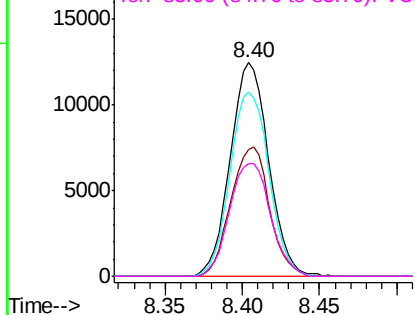
#45
 1,1,2-Trichloroethane
 Concen: 5.319 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:	97	Resp:	21515
Ion	Ratio	Lower	Upper
97	100		
99	59.5	45.8	85.2
83	86.1	67.9	126.1
85	53.0	42.8	79.6

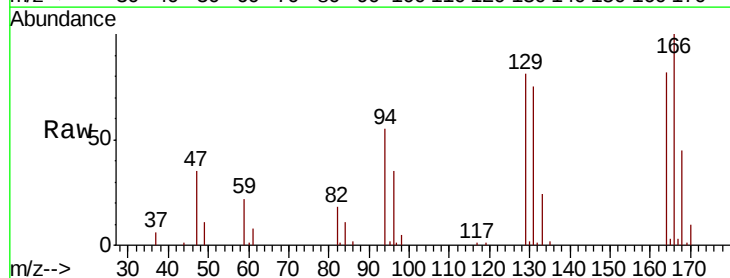


Abundance Ion 96.95 (96.65 to 97.65): VU041194.D (-2185) (-)
 Ion 99.05 (98.75 to 99.75): VU041194.D (-2185) (-)
 Ion 82.95 (82.65 to 83.65): VU041194.D (-2185) (-)
 Ion 85.00 (84.70 to 85.70): VU041194.D (-2185) (-)

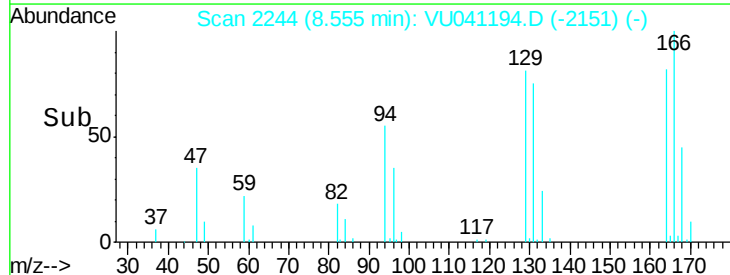
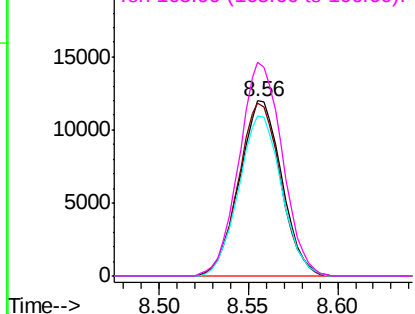


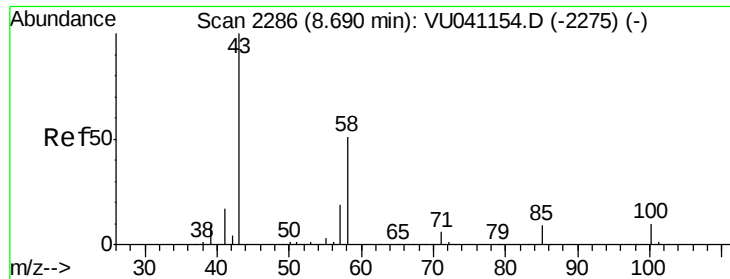
#47
 Tetrachloroethene
 Concen: 5.308 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Tgt Ion:	164	Resp:	19944
Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.3	130.7
131	91.6	70.8	131.4
166	121.9	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041194.D (-2233) (-)
 Ion 128.95 (128.65 to 129.65): VU041194.D (-2233) (-)
 Ion 130.95 (130.65 to 131.65): VU041194.D (-2233) (-)
 Ion 165.90 (165.60 to 166.60): VU041194.D (-2233) (-)

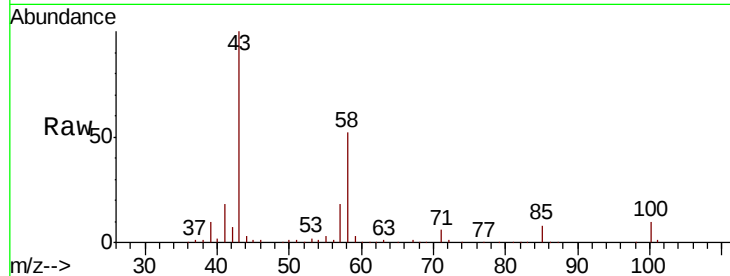




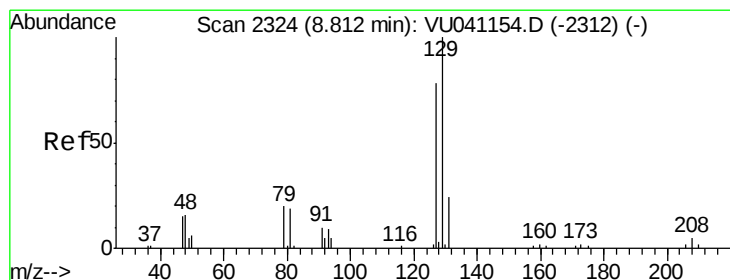
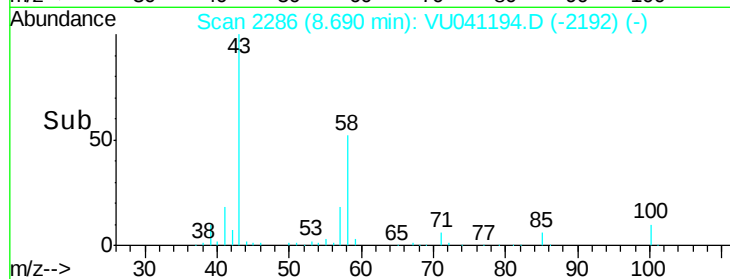
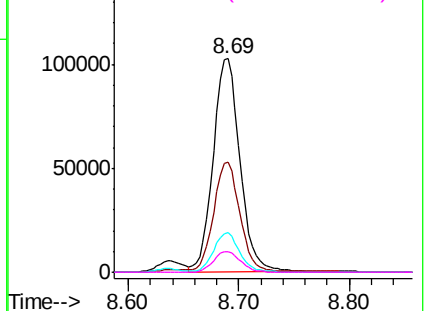
#48
2-Hexanone
Concen: 52.796 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 43 Resp: 172224
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.2
57 18.0 14.6 21.8
100 9.9 8.3 12.5

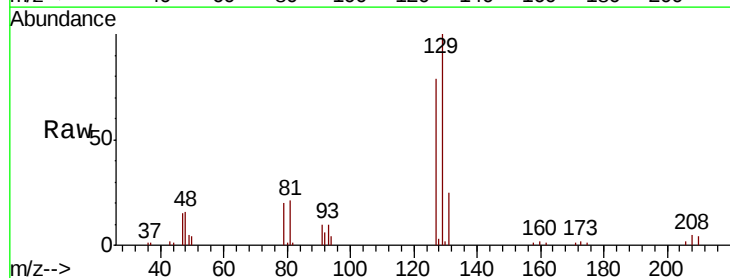


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

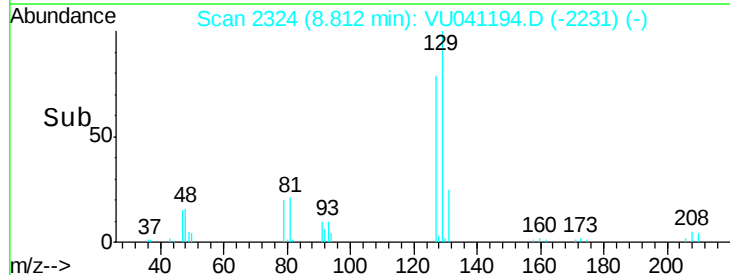
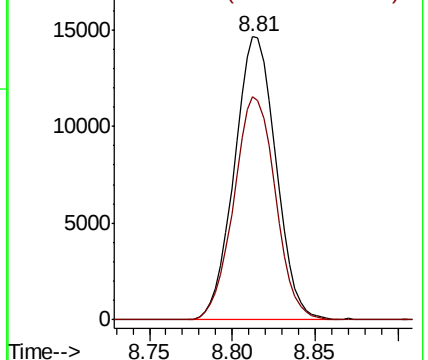


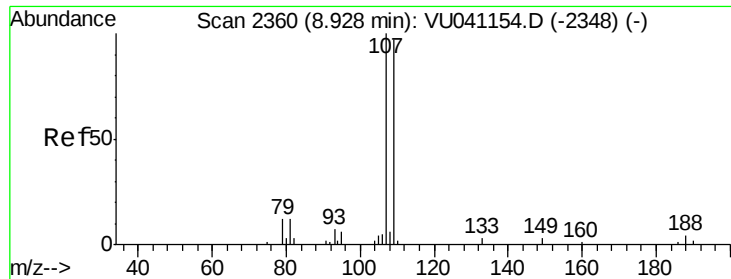
#49
Dibromochloromethane
Concen: 5.450 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 129 Resp: 25599
Ion Ratio Lower Upper
129 100
127 78.8 53.4 99.2



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

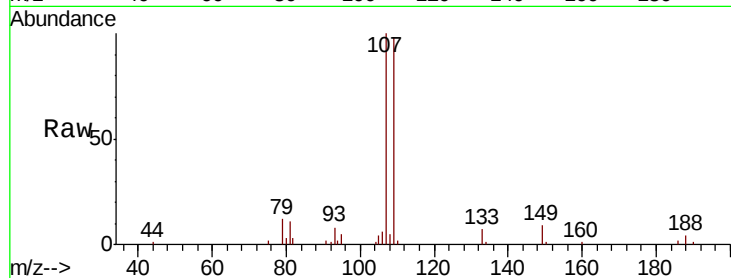




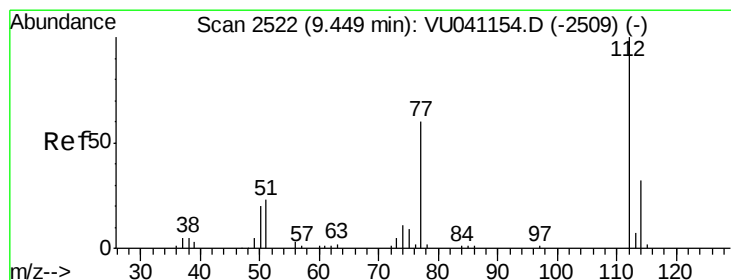
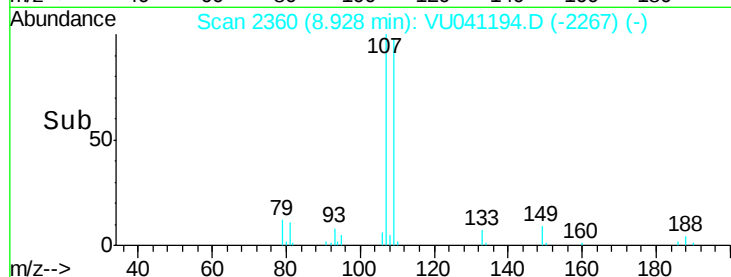
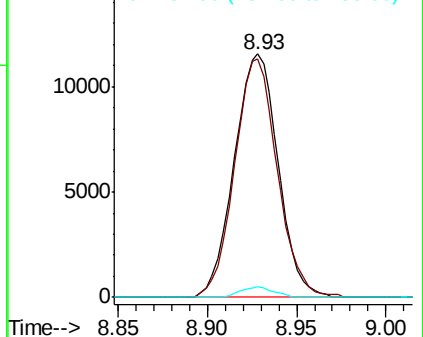
#50
1,2-Dibromoethane
Concen: 5.145 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:107 Resp: 19831
Ion Ratio Lower Upper
107 100
109 98.1 65.6 121.8
188 4.2 2.9 4.3

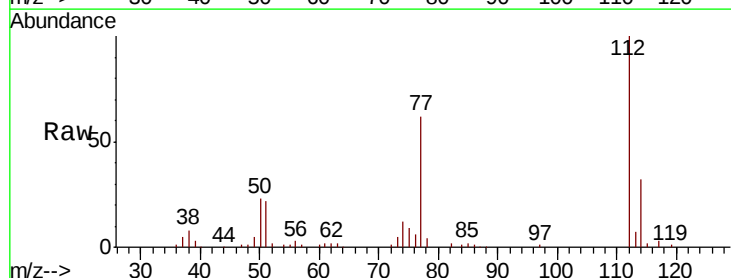


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

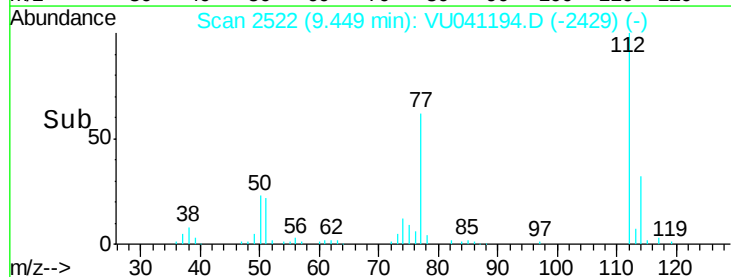
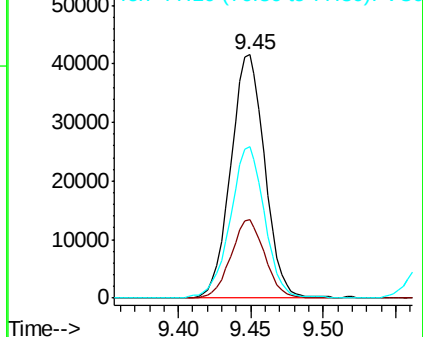


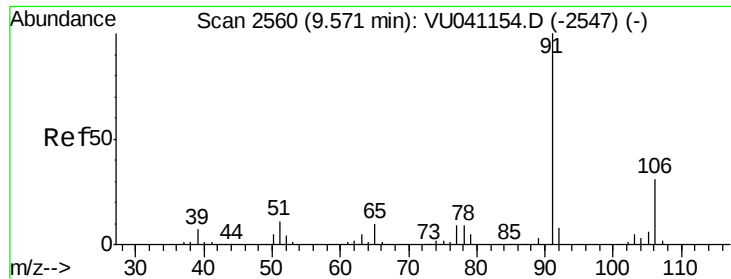
#51
Chlorobenzene
Concen: 5.228 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion:112 Resp: 67508
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 62.2 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

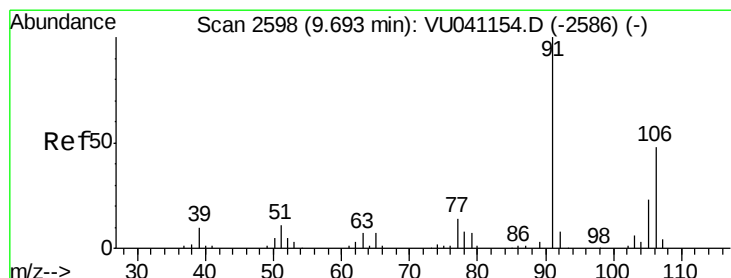
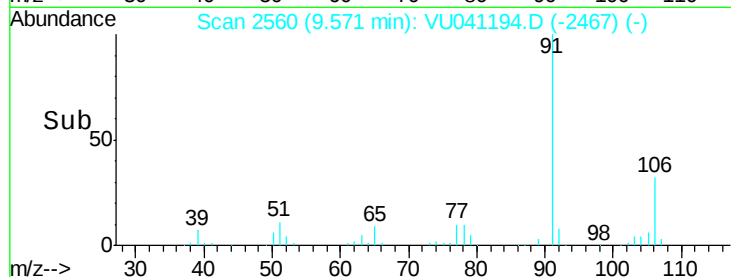
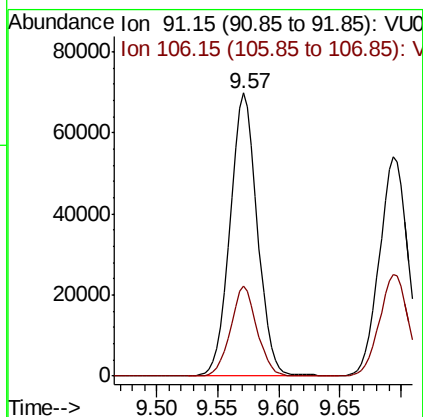
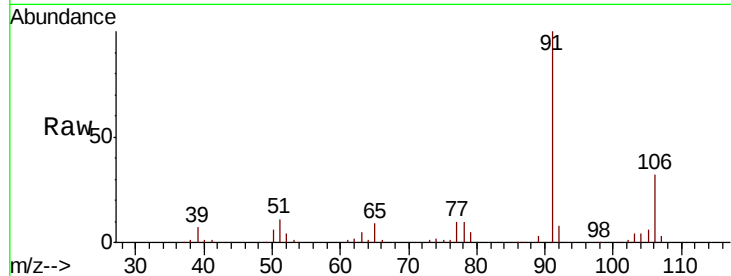




#52
Ethylbenzene
Concen: 5.077 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

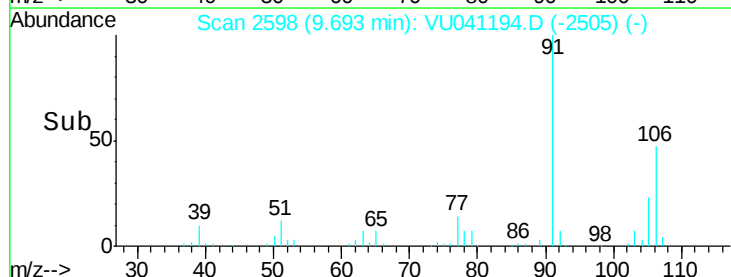
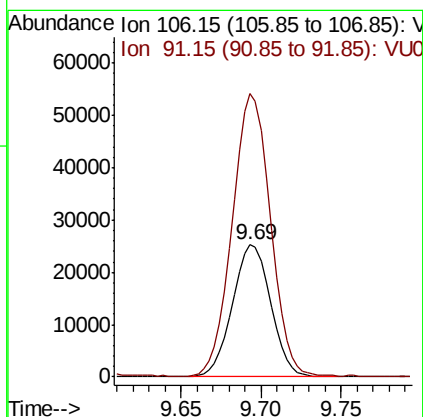
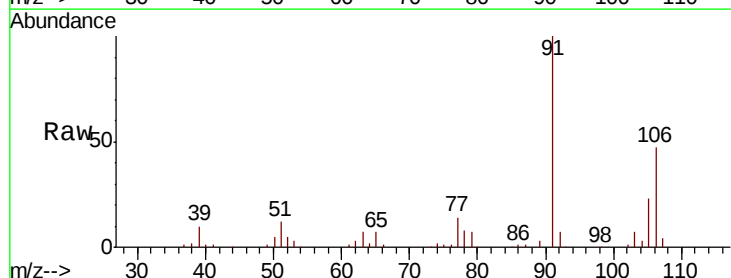
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

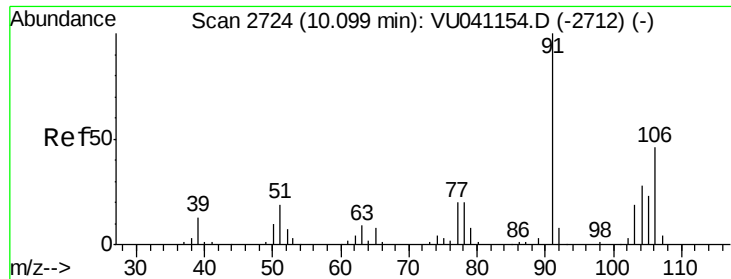
Tot Ion: 91 Resp: 108809
Ion Ratio Lower Upper
91 100
106 32.0 21.0 39.0



#53
m,p-Xylene
Concen: 5.265 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion: 106 Resp: 41152
Ion Ratio Lower Upper
106 100
91 214.7 150.9 280.3

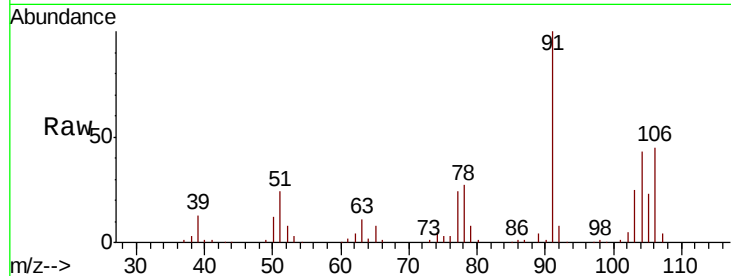




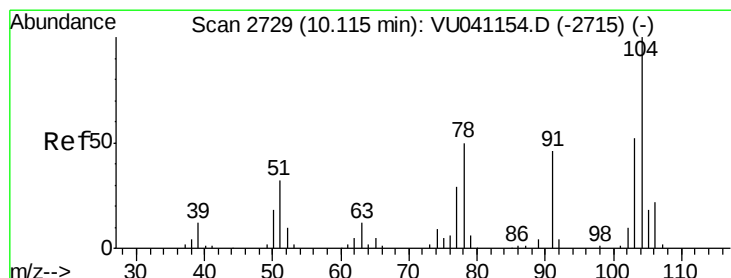
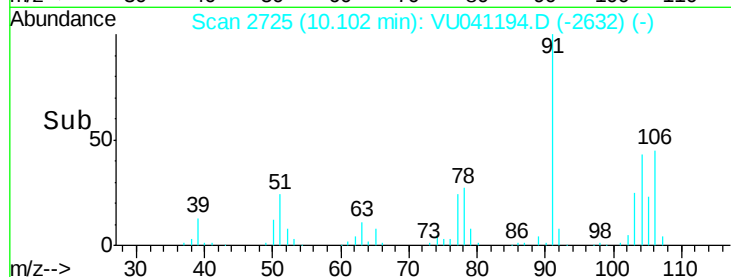
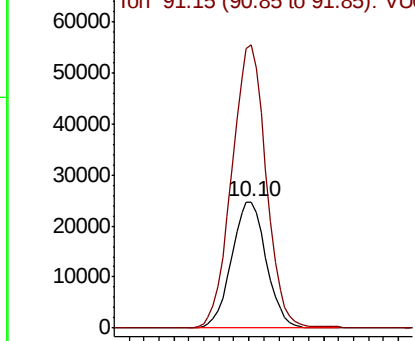
#54
o-Xylene
Concen: 5.478 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 39880
Ion Ratio Lower Upper
106 100
91 224.4 154.3 286.5

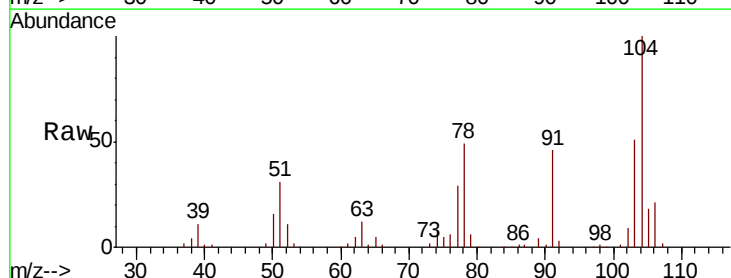


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

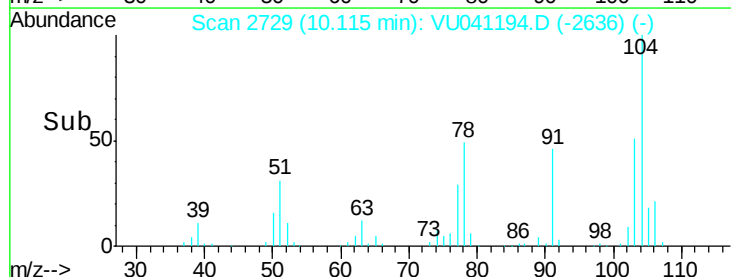
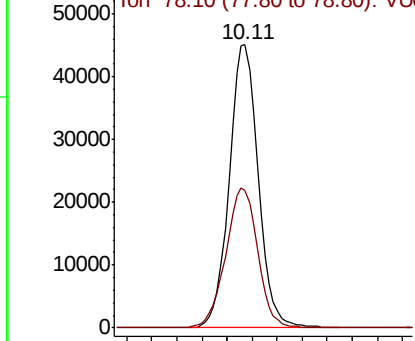


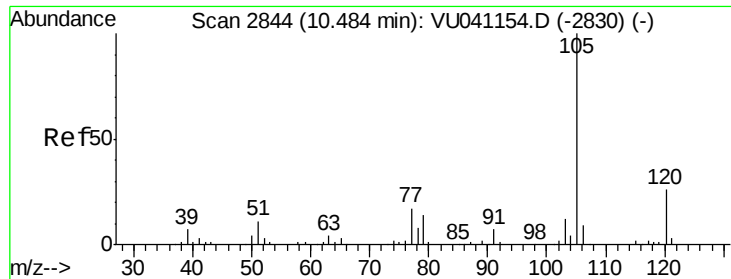
#55
Styrene
Concen: 5.576 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041194.D
Acq: 11 Nov 2020 10:14

Tgt Ion:104 Resp: 72329
Ion Ratio Lower Upper
104 100
78 48.7 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: 5.518 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

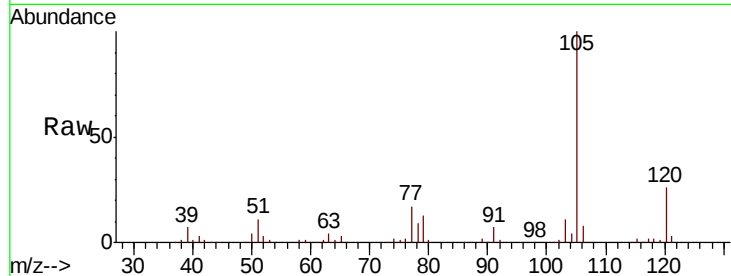
Tot Ion:105 Resp: 108014

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

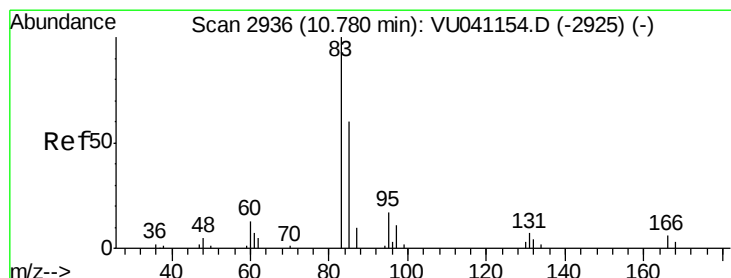
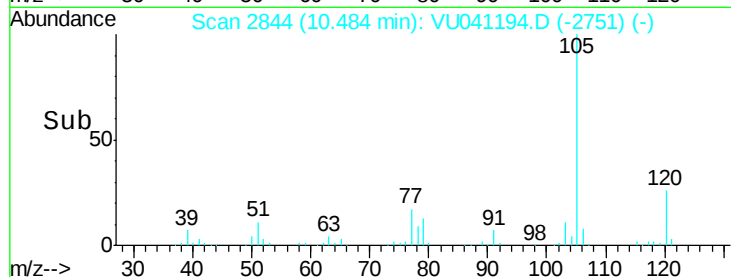
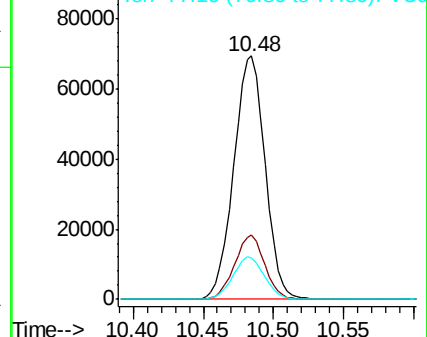
77 17.4 13.8 20.6



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: 5.050 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

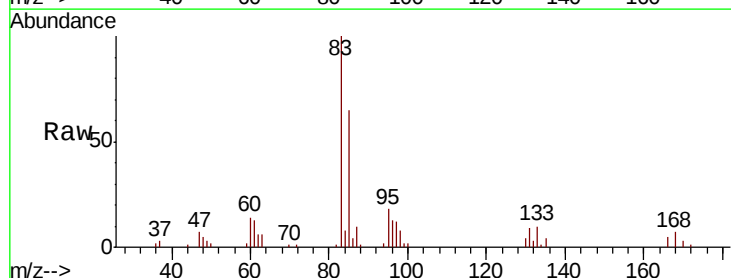
Tgt Ion: 83 Resp: 26824

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.4

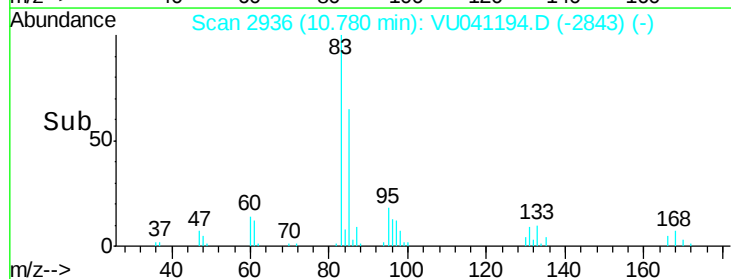
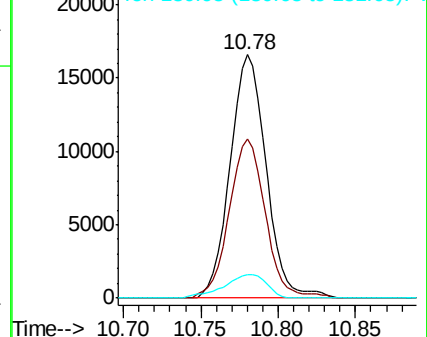
131 9.4 7.7 11.5

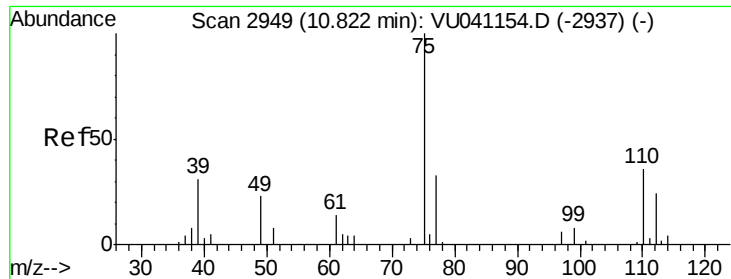


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.175 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

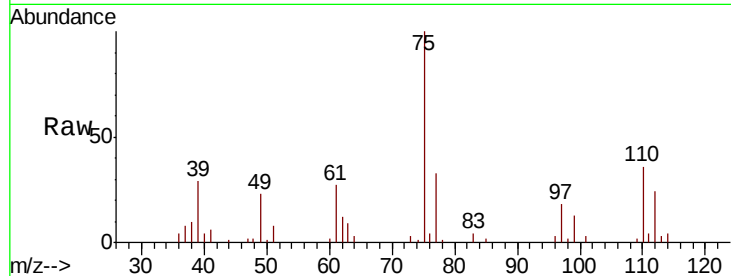
VSTD00526

Tot Ion: 75 Resp: 20958

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041154.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041154.D (-2937) (-)

10.82

15000

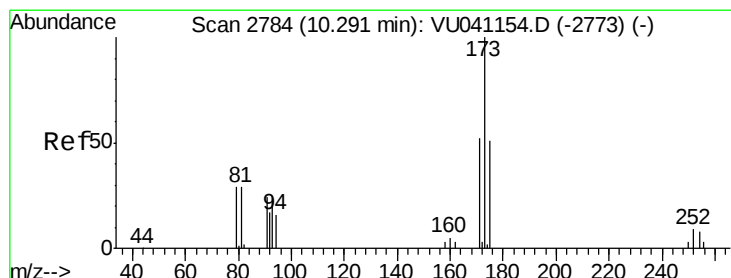
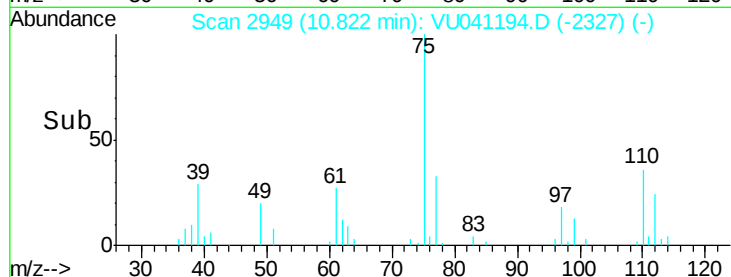
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.768 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

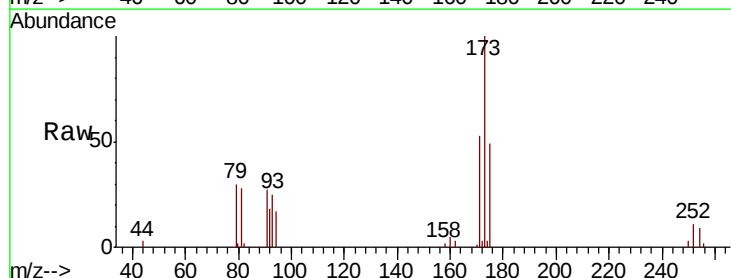
Tgt Ion: 173 Resp: 14968

Ion Ratio Lower Upper

173 100

175 48.9 37.6 56.4

254 8.7 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041154.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU041154.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU041154.D (-2773) (-)

10.29

12000

10000

8000

6000

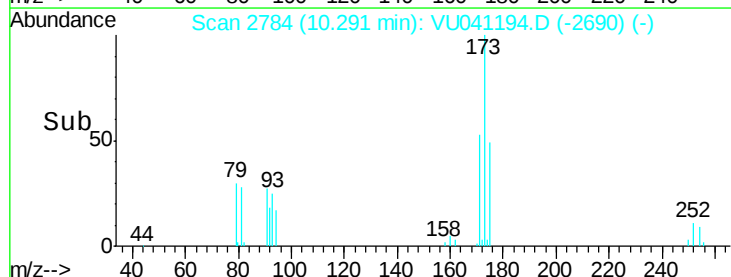
4000

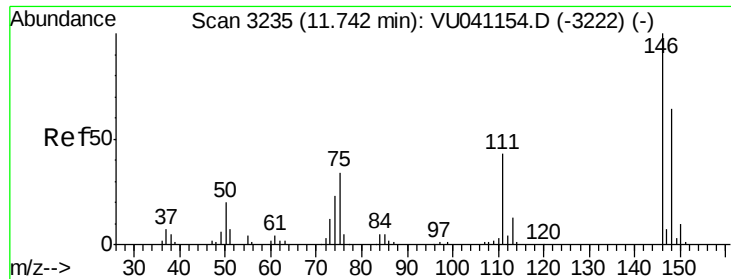
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.660 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

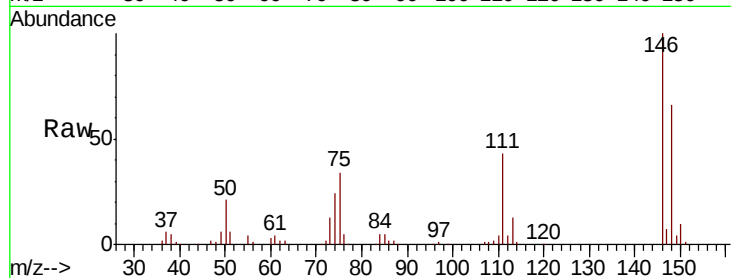
Tot Ion:146 Resp: 55016

Ion Ratio Lower Upper

146 100

111 42.7 30.9 57.3

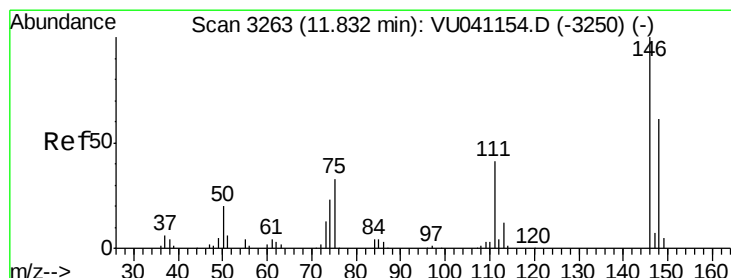
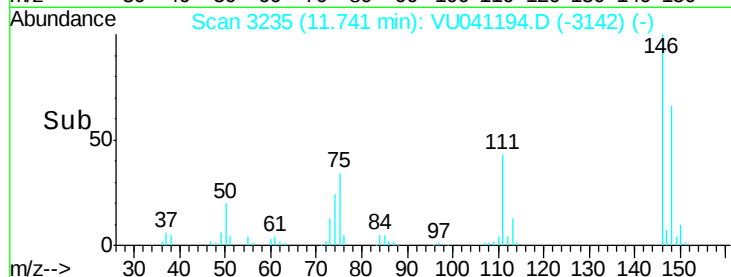
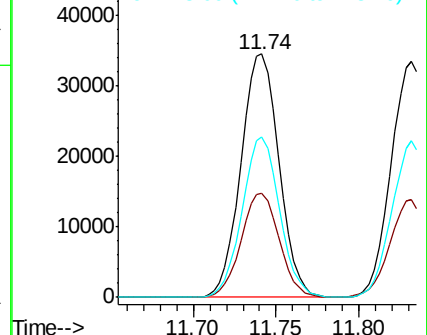
148 66.1 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.387 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

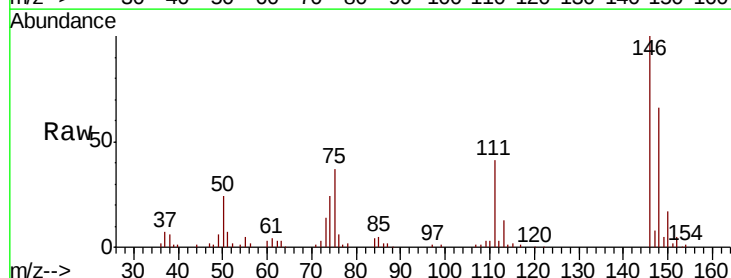
Tgt Ion:146 Resp: 54230

Ion Ratio Lower Upper

146 100

111 41.4 28.3 52.7

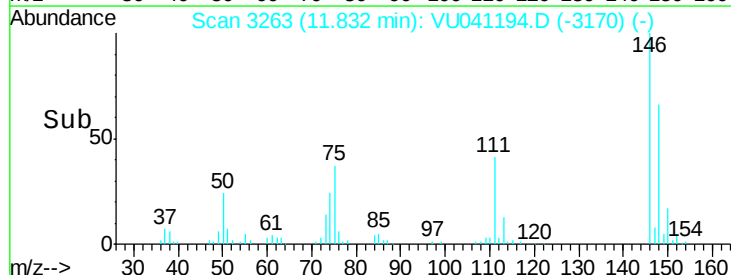
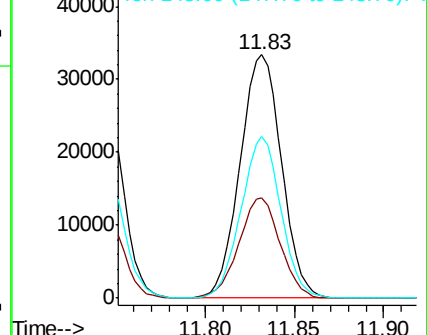
148 66.2 44.2 82.2

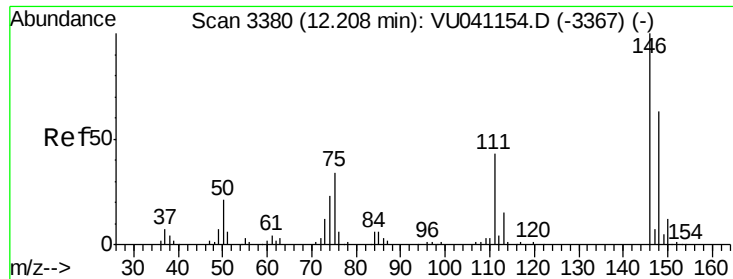


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.278 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

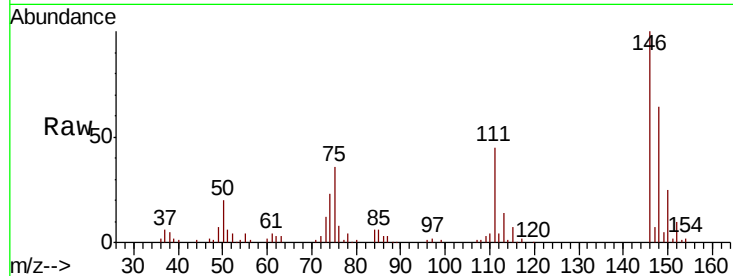
Tot Ion:146 Resp: 50626

Ion Ratio Lower Upper

146 100

111 44.7 35.0 52.6

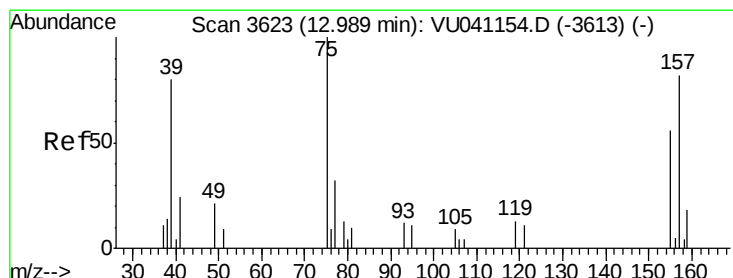
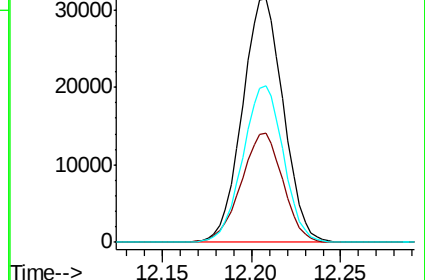
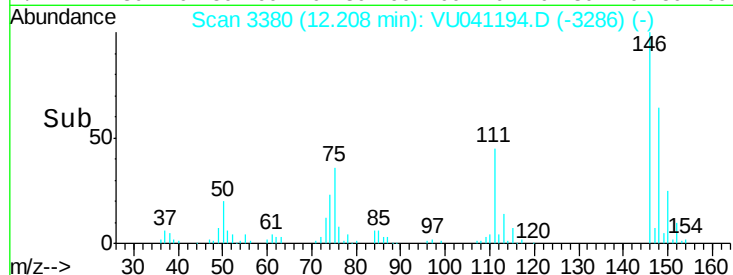
148 64.4 52.0 78.0



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: 4.976 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

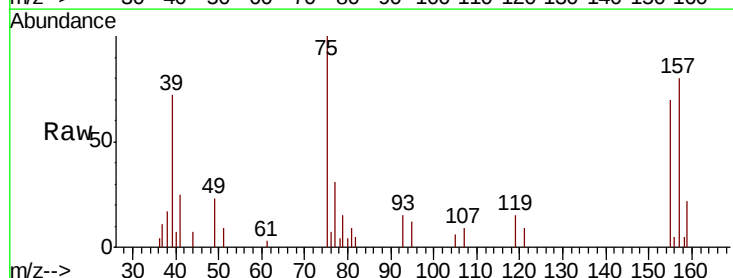
Tgt Ion: 75 Resp: 4678

Ion Ratio Lower Upper

75 100

155 69.8 61.4 92.2

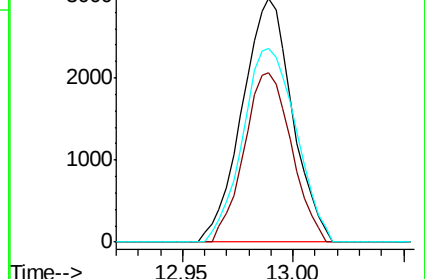
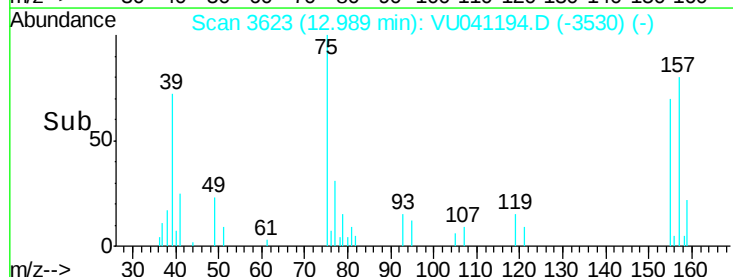
157 79.6 74.2 111.4

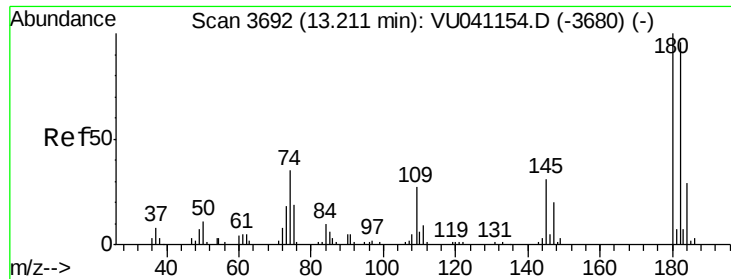


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

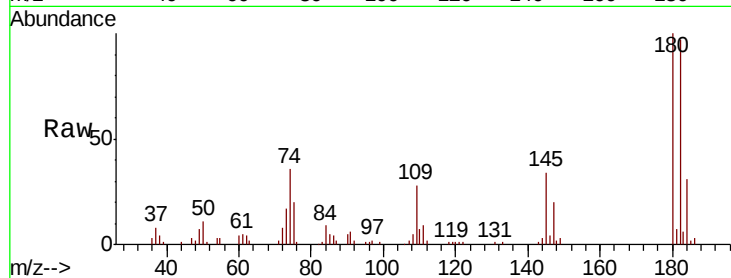




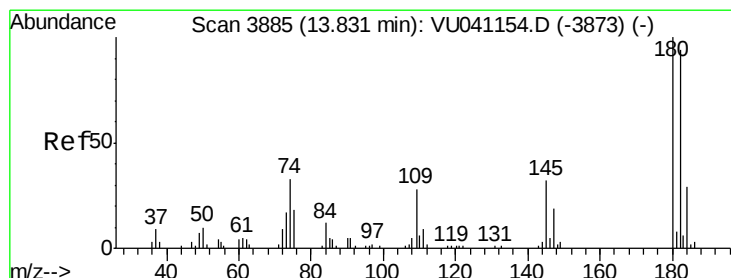
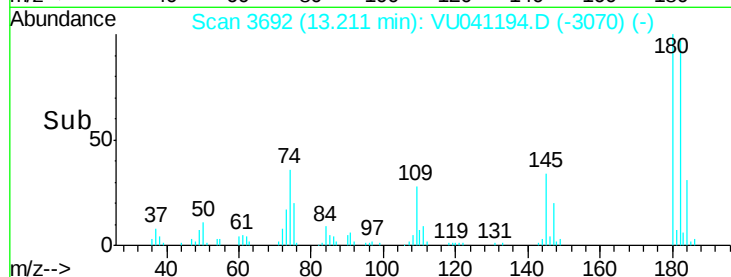
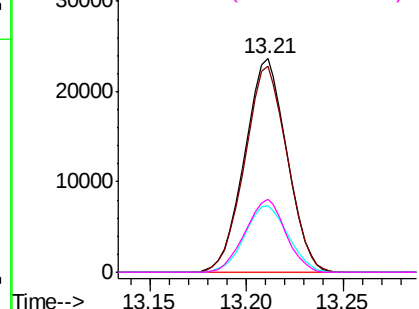
#67
 1,3,5-Trichlorobenzene
 Concen: 5.296 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:180 Resp: 36002
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.7 113.5
 184 31.7 23.7 35.5
 145 32.6 26.1 39.1

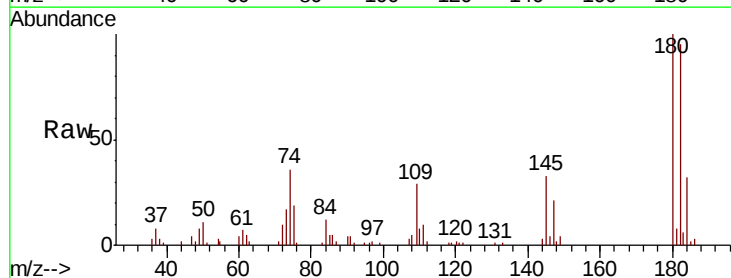


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

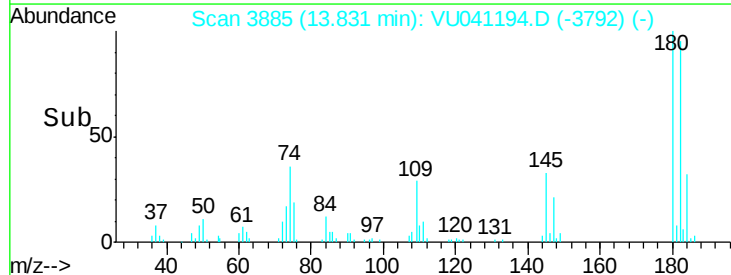
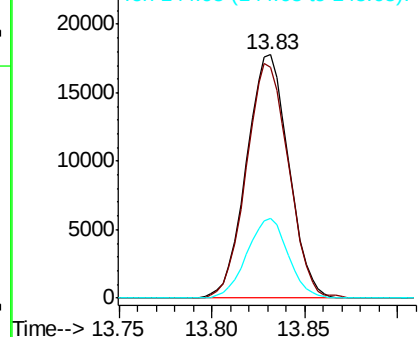


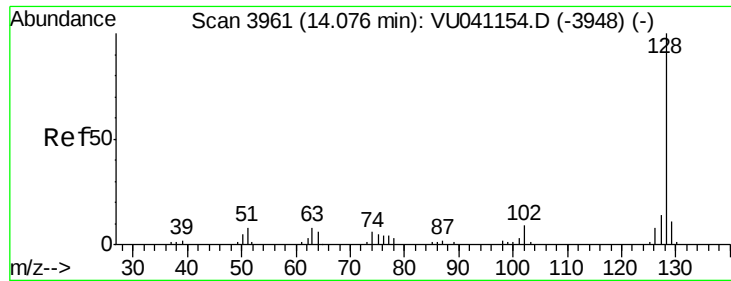
#68
 1,2,4-trichlorobenzene
 Concen: 4.972 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041194.D
 Acq: 11 Nov 2020 10:14

Tgt Ion:180 Resp: 28001
 Ion Ratio Lower Upper
 180 100
 182 96.4 73.5 110.3
 145 32.0 26.6 40.0



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





#69

Naphthalene

Concen: 4.773 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

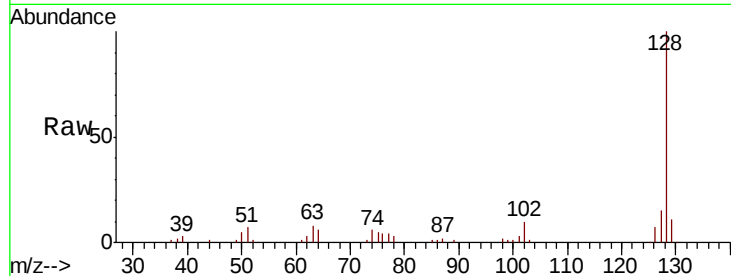
Tot Ion:128 Resp: 48063

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

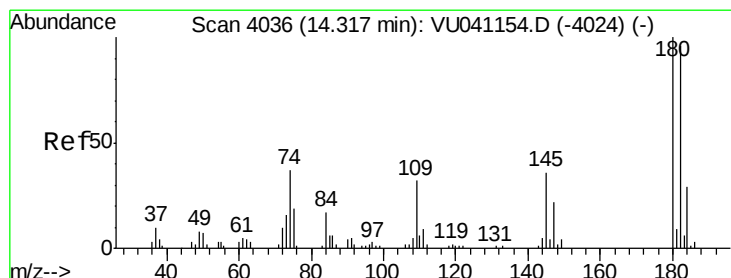
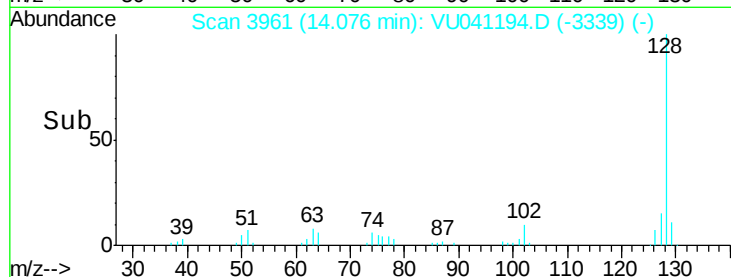
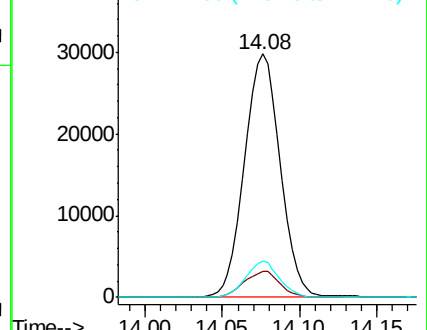
127 13.8 10.8 16.2



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: 5.243 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041194.D

Acq: 11 Nov 2020 10:14

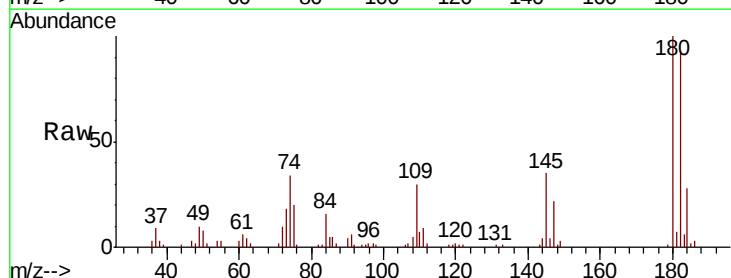
Tgt Ion:180 Resp: 27212

Ion Ratio Lower Upper

180 100

182 94.4 77.7 116.5

145 34.4 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

