

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041167.D
 Acq On : 10 Nov 2020 10:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Nov 11 00:47:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24409	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.92	69	18185	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.58	63	46316	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.65	46	81429	48.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.12%
24) Chloroform-d	5.08	84	47633	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.72	65	29588	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.74	84	86495	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.70	67	27267	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.90	98	81935	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
43) trans-1,3-Dichloropropene-	8.18	79	12747	5.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.40%
46) 2-Hexanone-d5	8.64	63	61832	49.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24013	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	30680	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	26278	4.749	ug/L	99
3) Chloromethane	1.53	50	24219	4.198	ug/L	96
5) Vinyl chloride	1.61	62	25071	4.405	ug/L	99
6) Bromomethane	1.87	94	12624	3.869	ug/L	99
8) Chloroethane	1.94	64	14690	4.074	ug/L	100
9) Trichlorofluoromethane	2.15	101	39028	5.045	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	21794	4.807	ug/L	97
12) 1,1-Dichloroethene	2.59	96	17823	4.163	ug/L	88
13) Acetone	2.66	43	53174	46.386	ug/L #	61
14) Carbon disulfide	2.81	76	54265	3.793	ug/L	99
15) Methyl Acetate	2.96	43	11337	4.322	ug/L	97
16) Methylene chloride	3.06	84	22551	4.521	ug/L	93
17) Methyl tert-butyl Ether	3.38	73	51957	4.716	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	19871	4.567	ug/L	92
19) 1,1-Dichloroethane	3.89	63	41101	4.725	ug/L	96
21) 2-Butanone	4.73	43	82471	46.031	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	21400	4.769	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041167.D
 Acq On : 10 Nov 2020 10:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

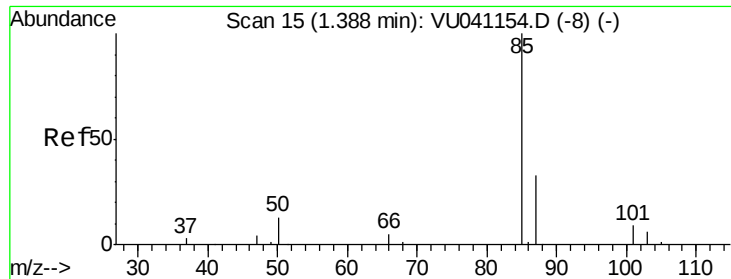
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Nov 11 00:47:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	10507	4.963	ug/L #	90
25) Chloroform	5.11	83	45202	5.182	ug/L	100
27) 1,2-Dichloroethane	5.81	62	32067	4.936	ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	37375	4.994	ug/L	98
30) Cyclohexane	5.40	56	30492	4.135	ug/L	95
31) Carbon tetrachloride	5.54	117	34245	5.168	ug/L	97
33) Benzene	5.79	78	84586	4.626	ug/L	100
34) Trichloroethene	6.55	95	23129	4.971	ug/L	97
35) Methylcyclohexane	6.77	83	31090	4.480	ug/L	99
37) 1,2-Dichloropropane	6.80	63	23722	4.795	ug/L	98
38) Bromodichloromethane	7.11	83	32359	5.042	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	33949	4.984	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	185561	47.042	ug/L	98
42) Toluene	7.97	91	90158	4.863	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	31523	4.945	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	18191	4.939	ug/L	90
47) Tetrachloroethene	8.56	164	17019	4.974	ug/L	97
48) 2-Hexanone	8.69	43	141238	47.553	ug/L	99
49) Dibromochloromethane	8.81	129	22231	5.198	ug/L	97
50) 1,2-Dibromoethane	8.93	107	16782	4.782	ug/L #	98
51) Chlorobenzene	9.45	112	58461	4.973	ug/L	96
52) Ethylbenzene	9.57	91	96234	4.931	ug/L	100
53) m,p-Xylene	9.69	106	36123	5.075	ug/L	100
54) o-Xylene	10.10	106	34329	5.179	ug/L	99
55) Styrene	10.11	104	61447	5.203	ug/L	99
56) Isopropylbenzene	10.48	105	95167	5.339	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	22244	4.599	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	18157	4.924	ug/L	96
61) Bromoform	10.29	173	12904	5.135	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	48575	5.161	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	49536	5.081	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	47392	5.102	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4291	4.714	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	34961	5.311	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	29829	5.470	ug/L	99
69) Naphthalene	14.08	128	50402	5.169	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	28411	5.653	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.749 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

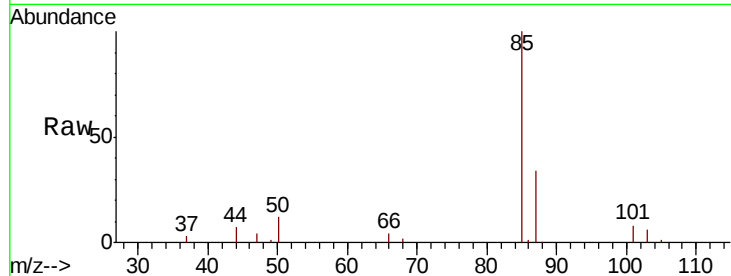
VSTD00524

Tot Ion: 85 Resp: 26278

Ion Ratio Lower Upper

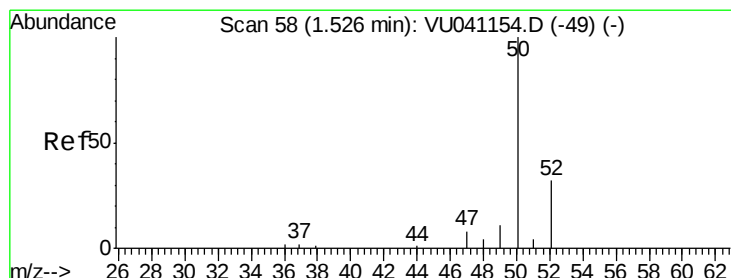
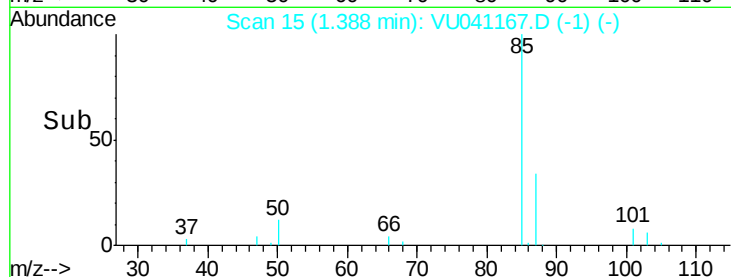
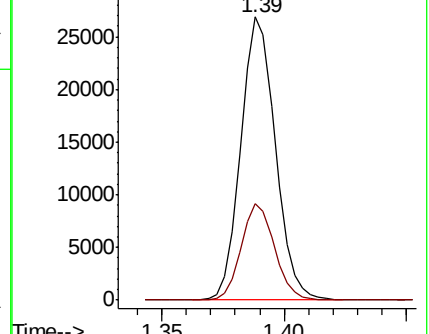
85 100

87 32.8 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: 4.198 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041167.D

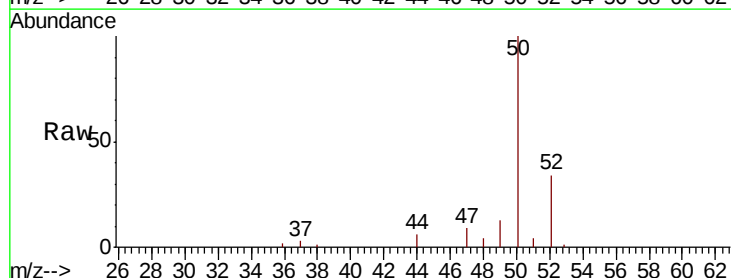
Acq: 10 Nov 2020 10:28

Tgt Ion: 50 Resp: 24219

Ion Ratio Lower Upper

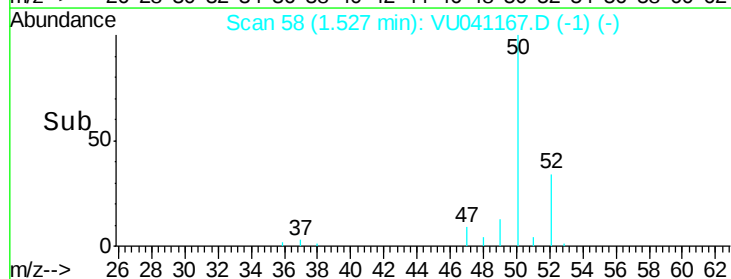
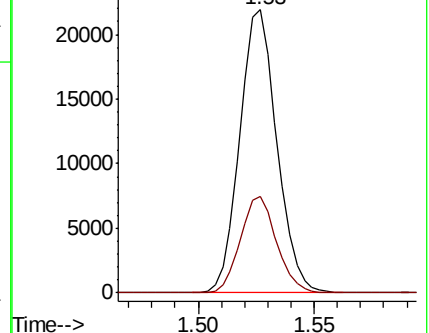
50 100

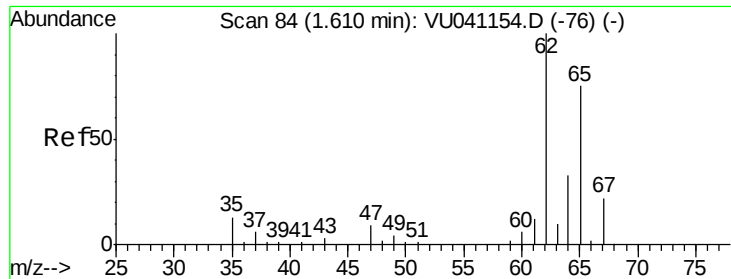
52 34.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.405 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

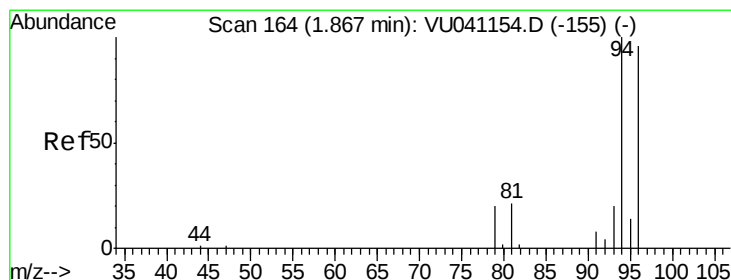
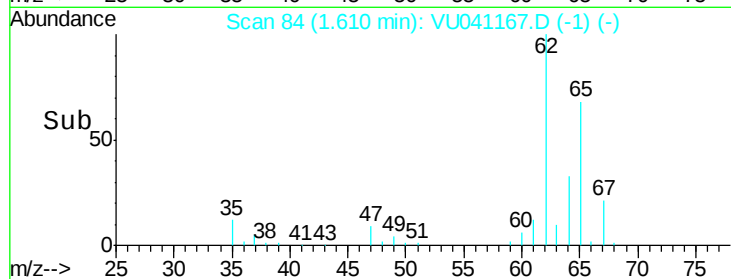
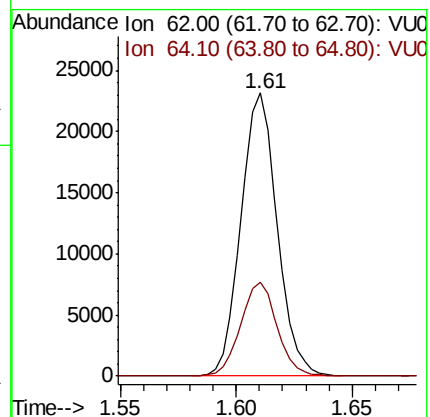
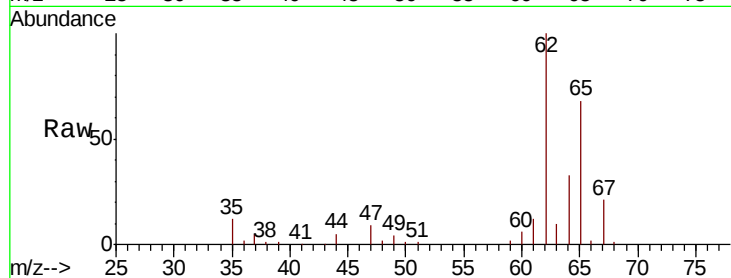
VSTD00524

Tot Ion: 62 Resp: 25071

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



#6

Bromomethane

Concen: 3.869 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041167.D

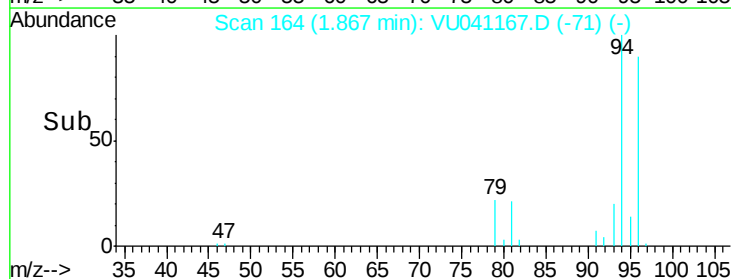
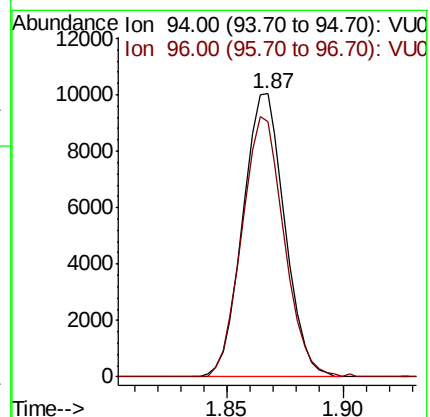
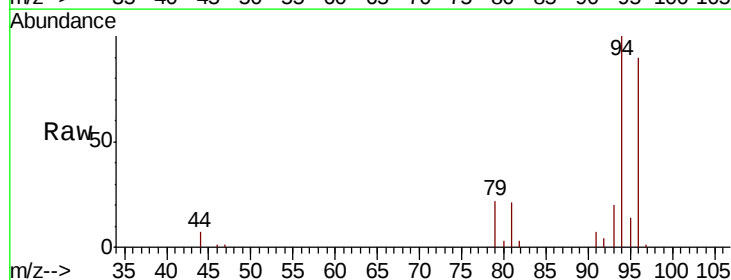
Acq: 10 Nov 2020 10:28

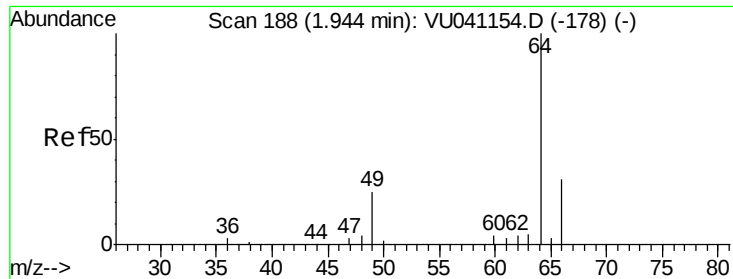
Tgt Ion: 94 Resp: 12624

Ion Ratio Lower Upper

94 100

96 90.1 63.5 117.9

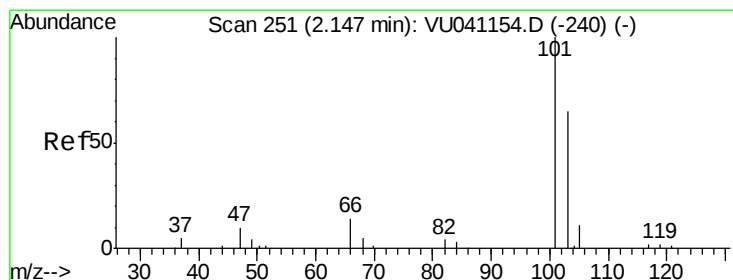
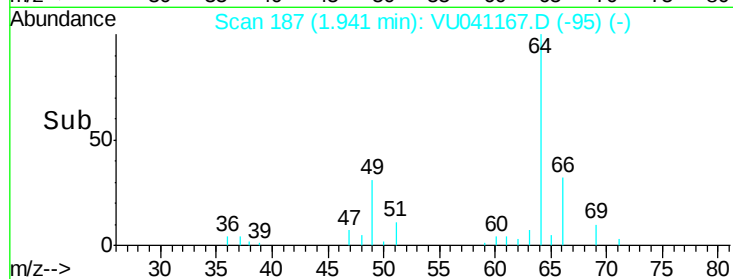
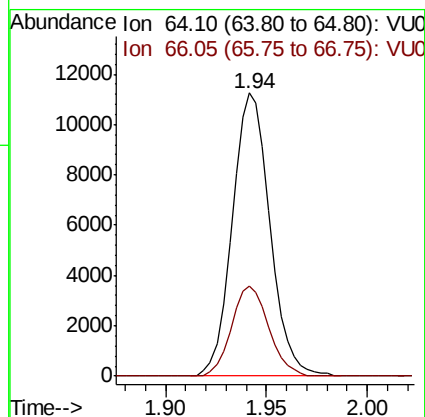
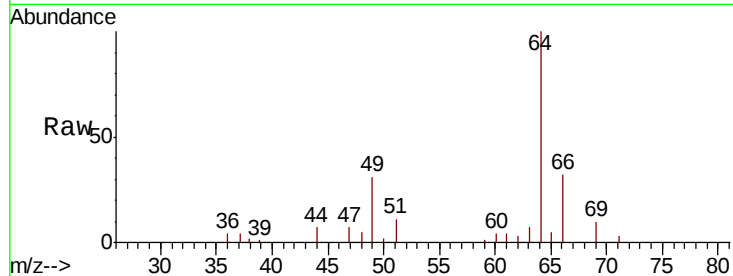




#8
Chloroethane
Concen: 4.074 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

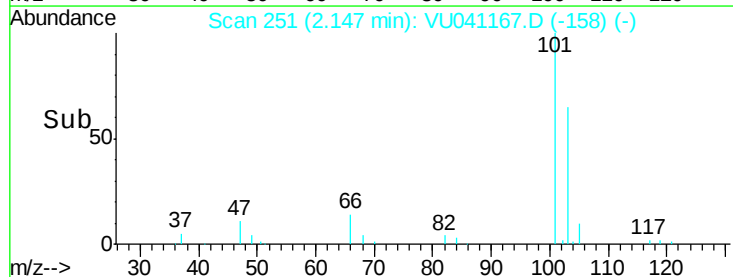
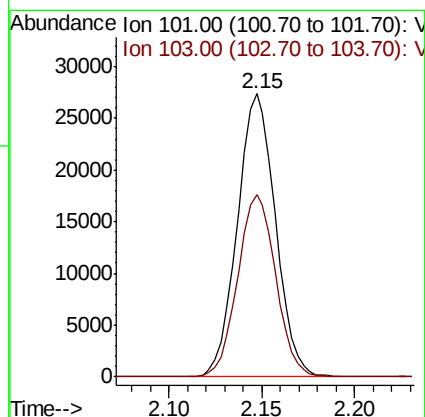
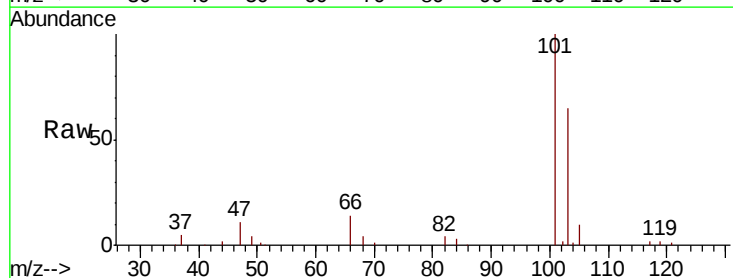
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

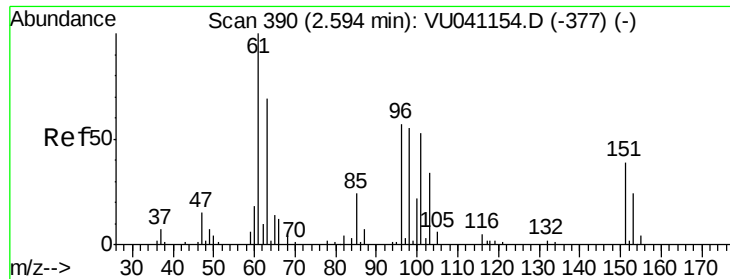
Tot Ion: 64 Resp: 14690
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.045 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

Tgt Ion: 101 Resp: 39028
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 4.807 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

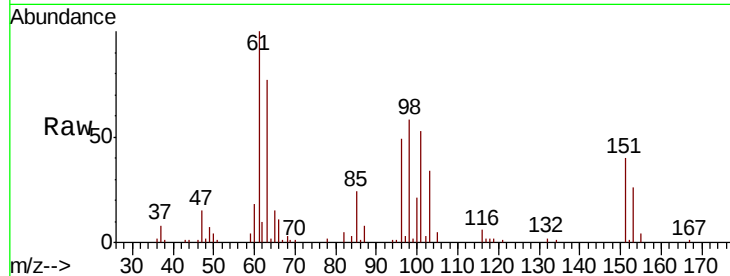
Tot Ion:101 Resp: 21794

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.4

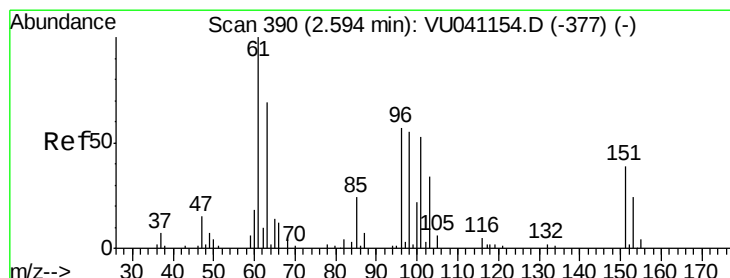
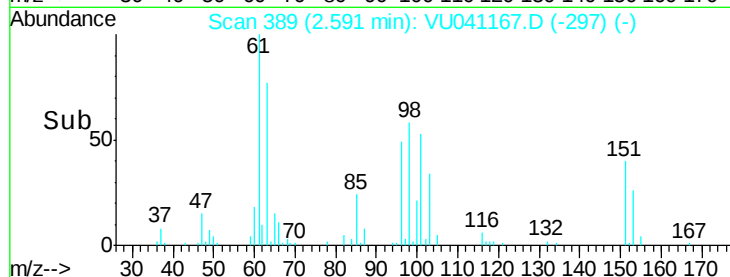
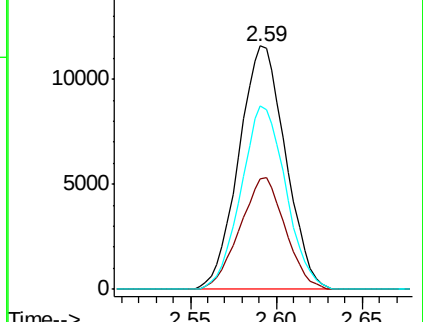
151 72.0 55.3 82.9



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: 4.163 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

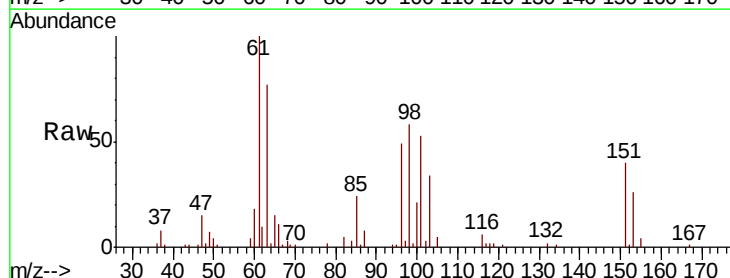
Tgt Ion: 96 Resp: 17823

Ion Ratio Lower Upper

96 100

61 203.8 134.3 249.5

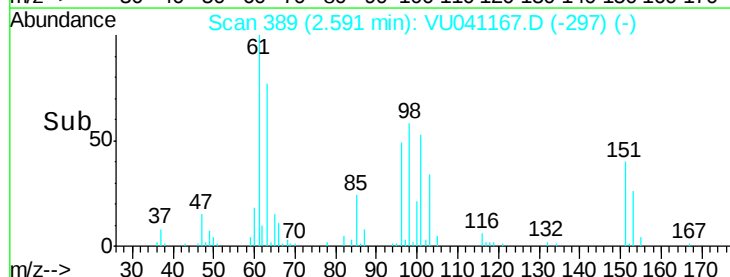
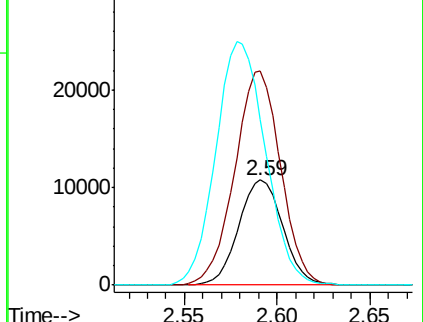
63 157.6 95.0 176.4

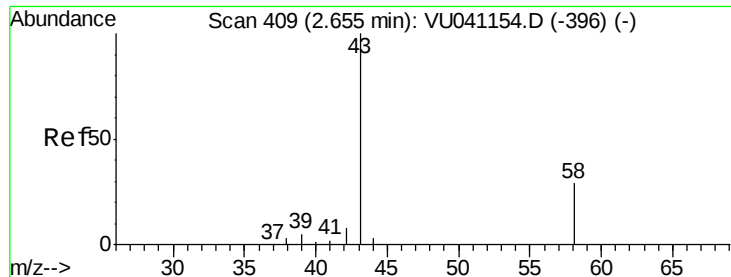


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.386 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

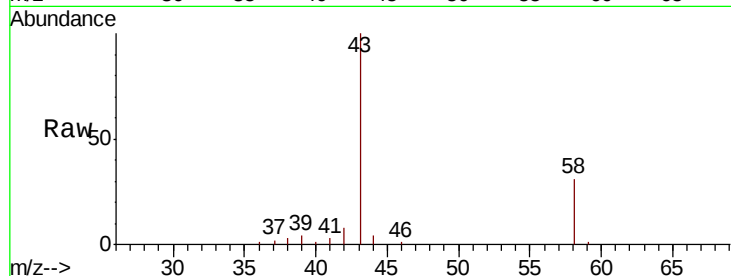
VSTD00524

Tot Ion: 43 Resp: 53174

Ion Ratio Lower Upper

43 100

58 28.2 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041154.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041154.D (-396) (-)

20000

15000

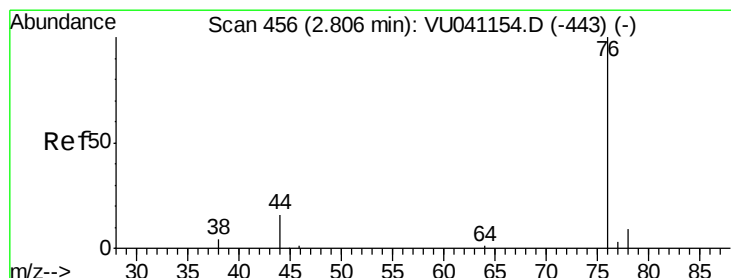
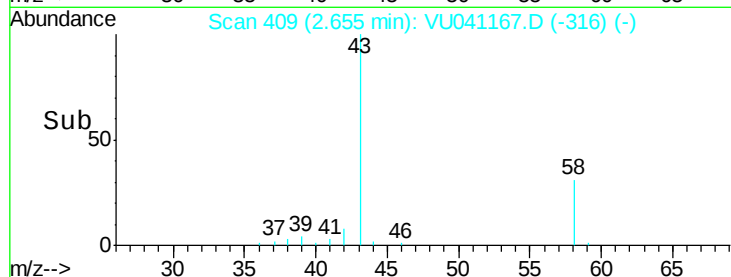
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 3.793 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041167.D

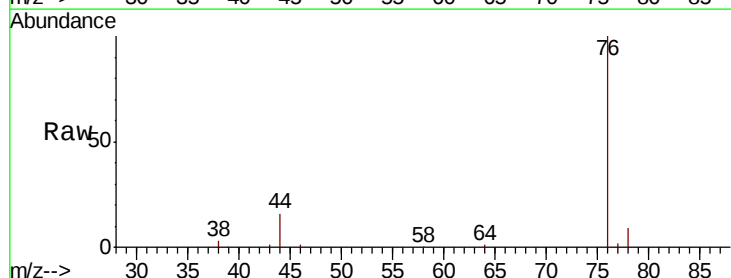
Acq: 10 Nov 2020 10:28

Tgt Ion: 76 Resp: 54265

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041154.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041154.D (-443) (-)

30000

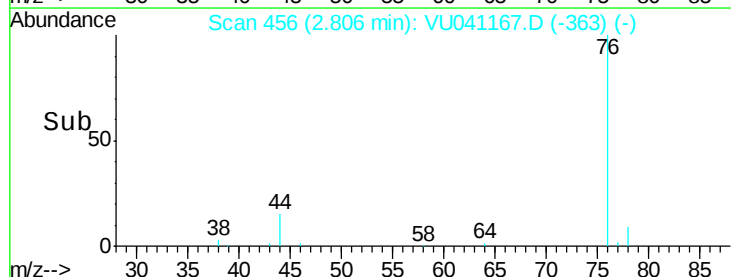
20000

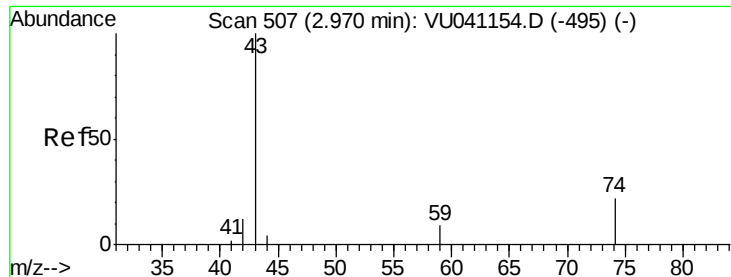
10000

0

2.75 2.80 2.85

Time-->





#15

Methvl Acetate

Concen: 4.322 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

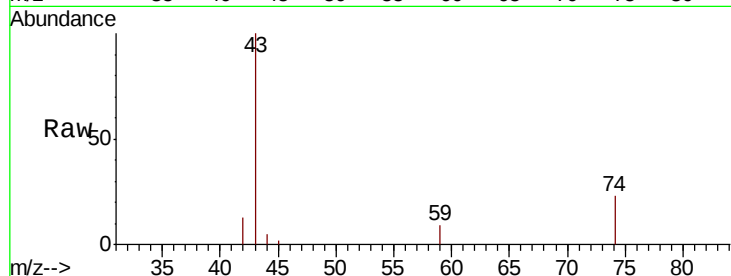
VSTD00524

Tot Ion: 43 Resp: 11337

Ion Ratio Lower Upper

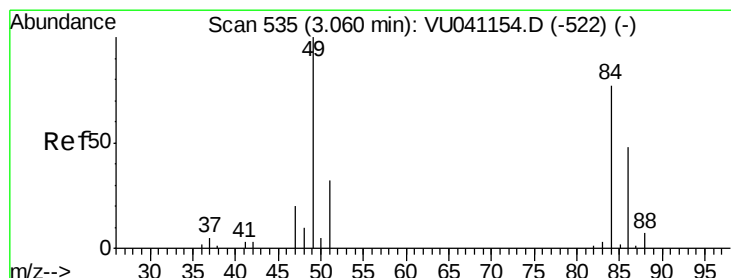
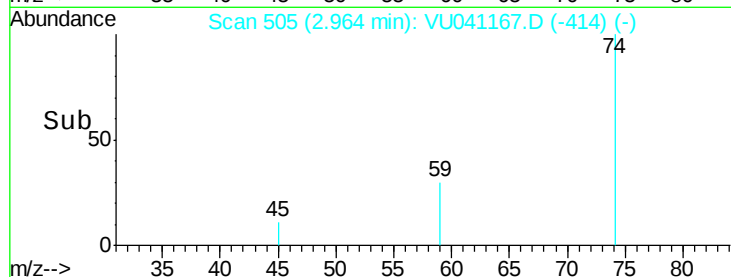
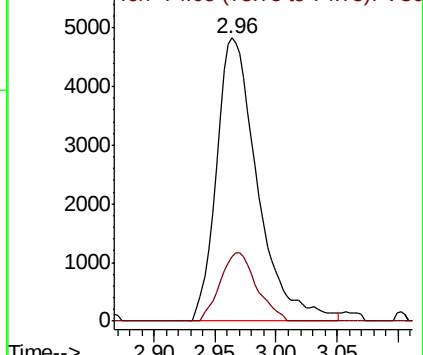
43 100

74 21.4 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.521 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

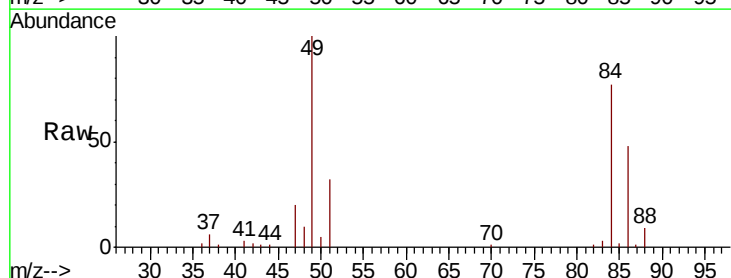
Tgt Ion: 84 Resp: 22551

Ion Ratio Lower Upper

84 100

86 63.0 42.8 79.6

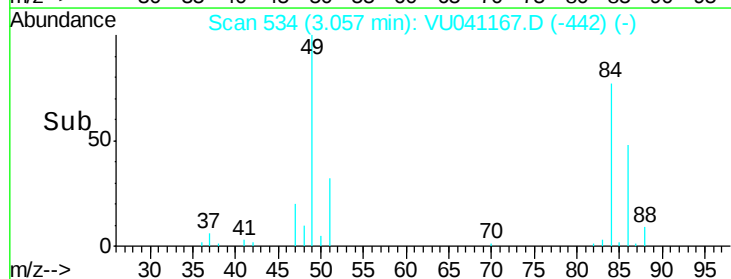
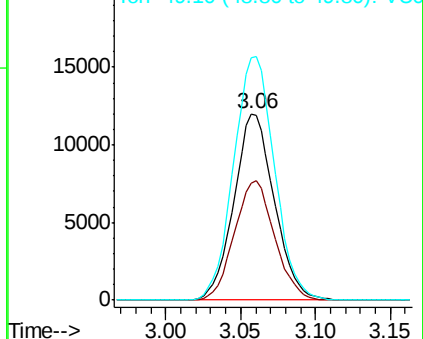
49 130.2 99.5 184.7

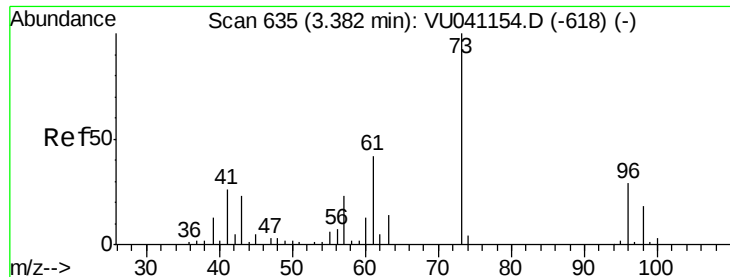


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

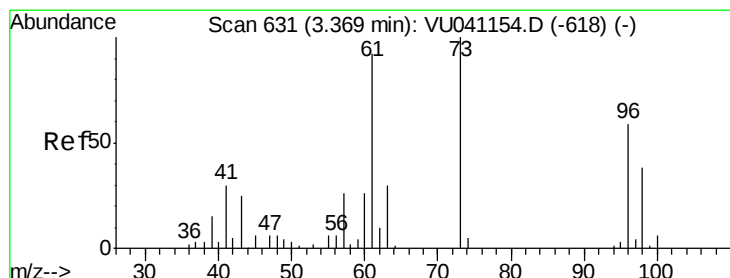
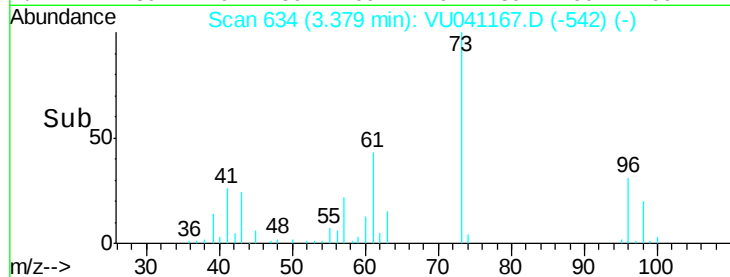
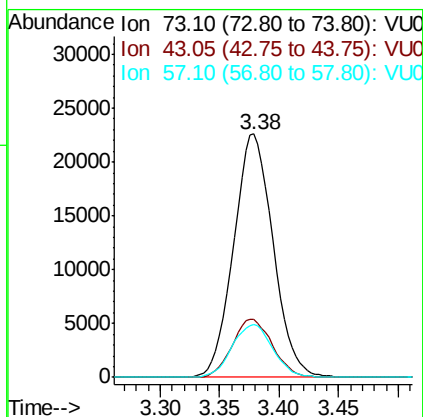
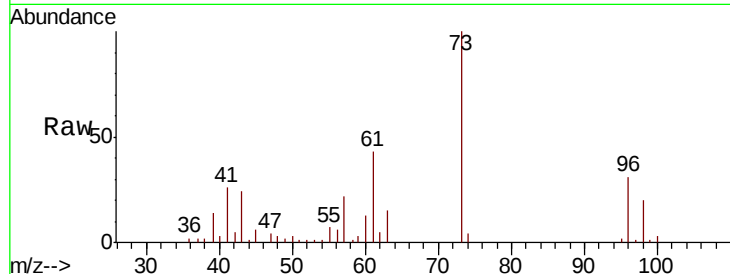




#17
Methvl tert-butvl Ether
Concen: 4.716 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

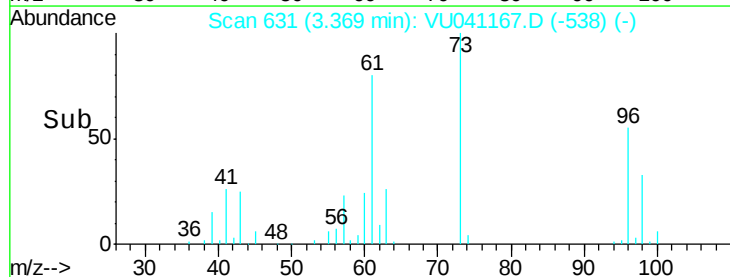
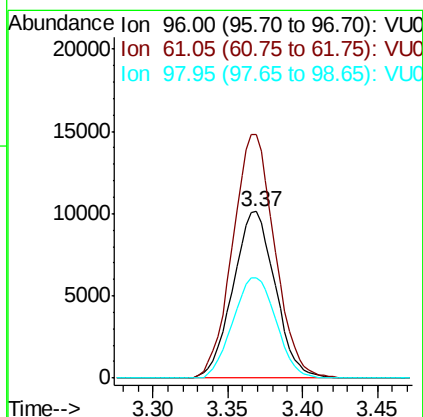
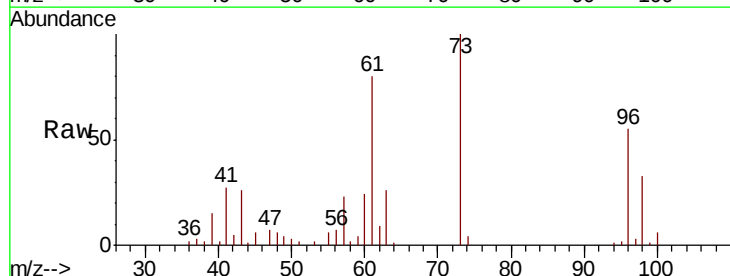
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

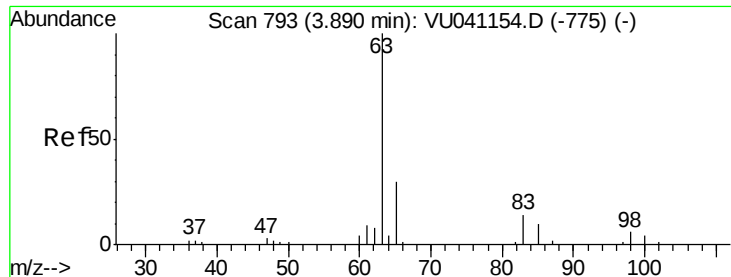
Tot Ion:	73	Resp:	51957
Ion	Ratio	Lower	Upper
73	100		
43	24.2	18.5	27.7
57	22.4	18.4	27.6



#18
trans-1,2-Dichloroethene
Concen: 4.567 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

Tgt Ion:	96	Resp:	19871
Ion	Ratio	Lower	Upper
96	100		
61	146.1	110.9	205.9
98	60.3	45.4	84.2

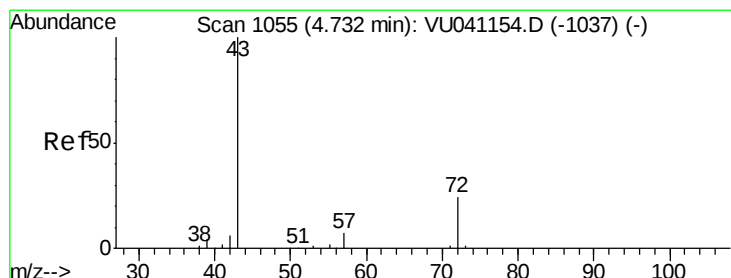
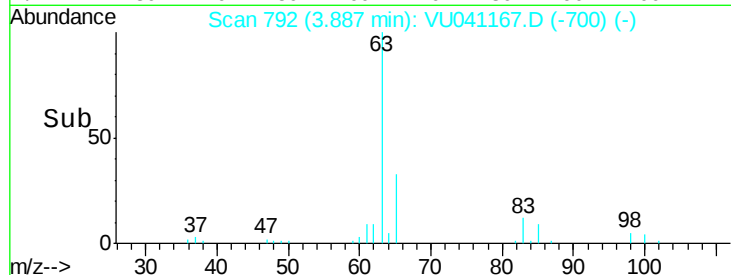
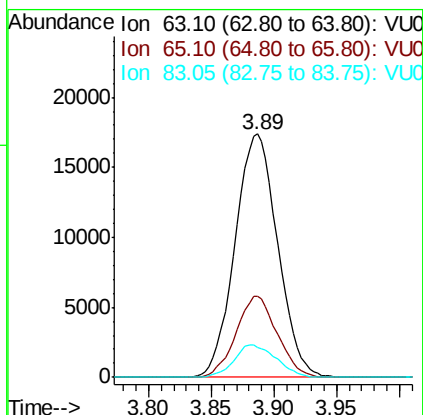
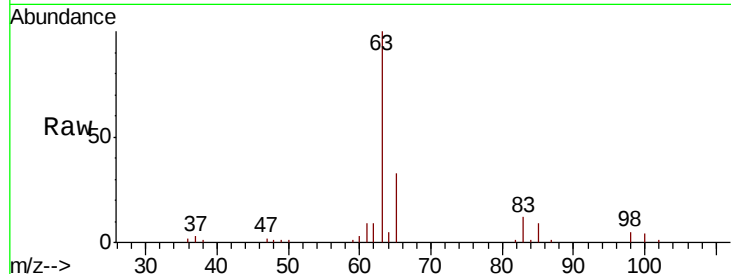




#19
 1,1-Dichloroethane
 Concen: 4.725 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

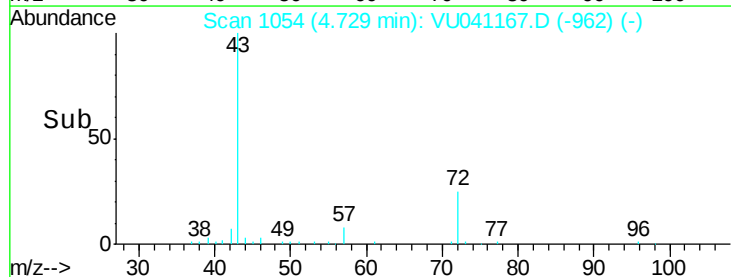
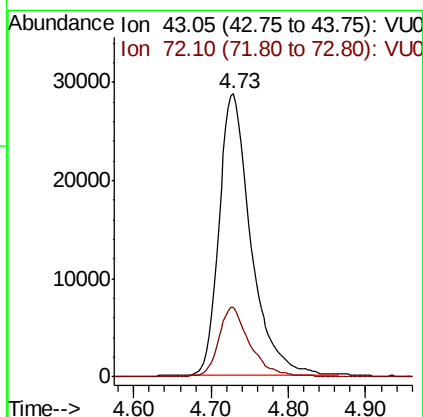
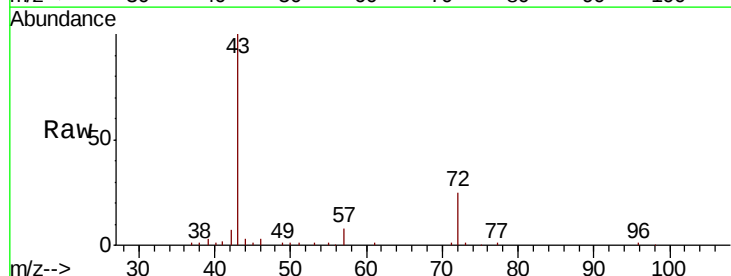
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

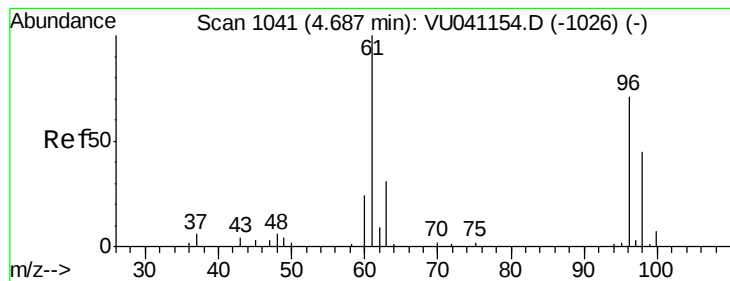
Tot Ion: 63 Resp: 41101
 Ion Ratio Lower Upper
 63 100
 65 33.5 21.3 39.6
 83 12.5 8.8 16.3



#21
 2-Butanone
 Concen: 46.031 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion: 43 Resp: 82471
 Ion Ratio Lower Upper
 43 100
 72 24.1 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.769 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

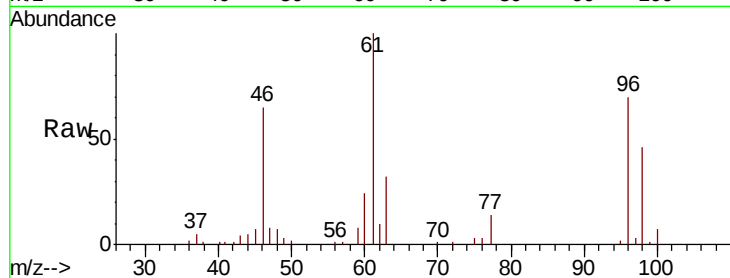
Tot Ion: 96 Resp: 21400

Ion Ratio Lower Upper

96 100

61 143.8 97.2 180.4

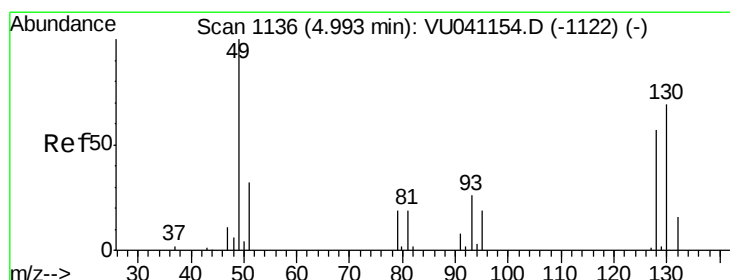
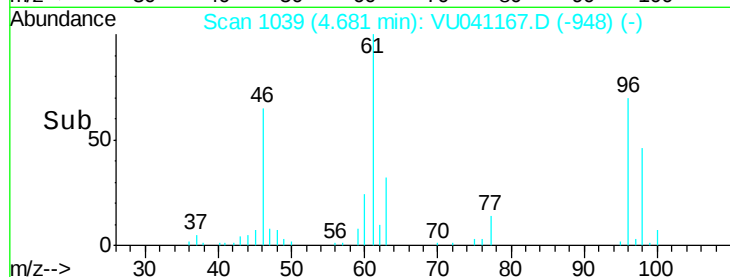
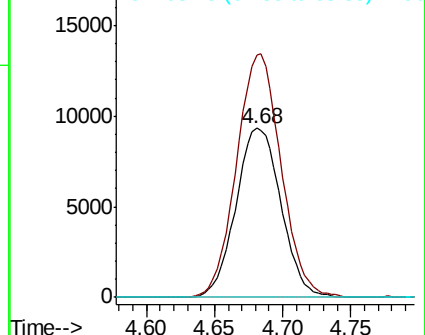
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041167.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU041167.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU041167.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.963 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Tgt Ion: 128 Resp: 10507

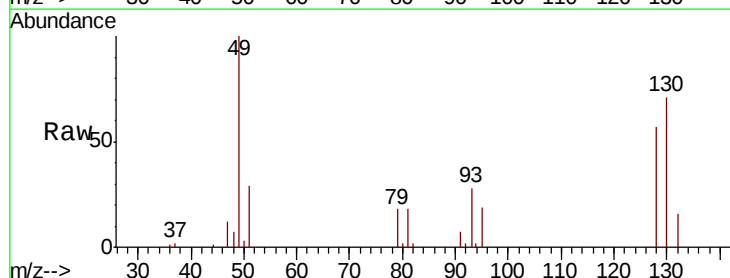
Ion Ratio Lower Upper

128 100

49 175.5 135.0 250.8

130 124.8 89.9 167.0

51 51.0 51.9 77.9#

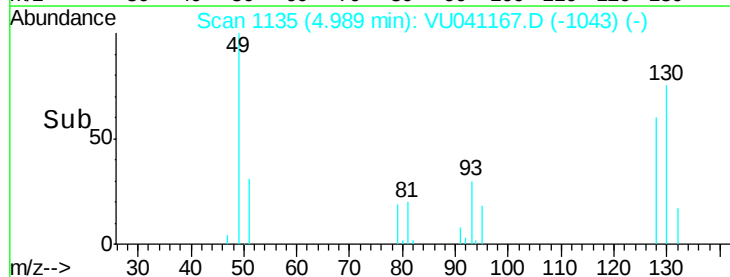
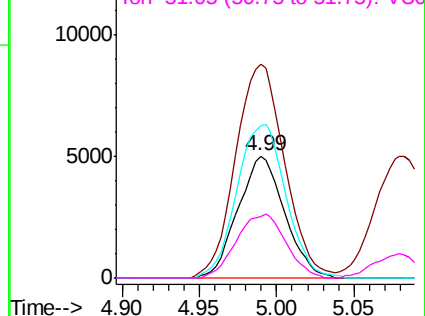


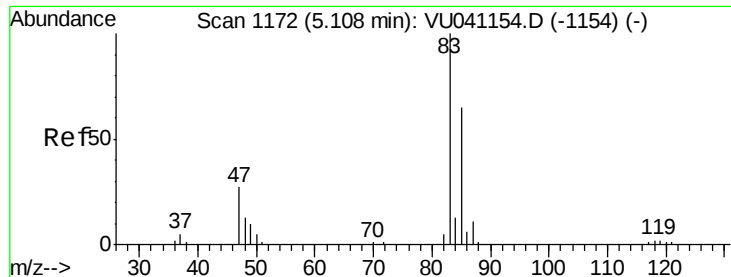
Abundance Ion 127.90 (127.60 to 128.60): VU041167.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041167.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041167.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041167.D (-1043) (-)

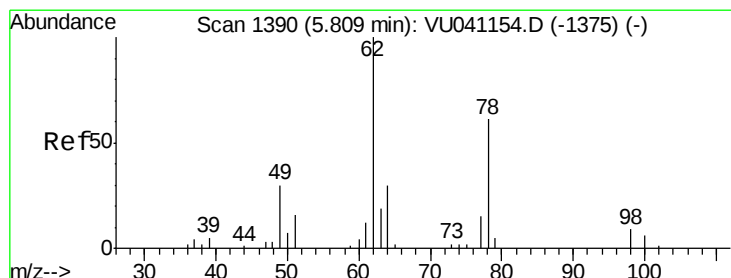
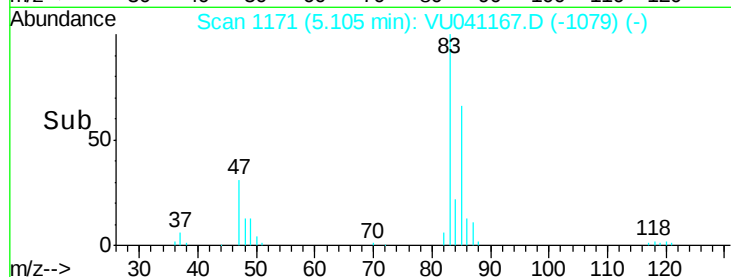
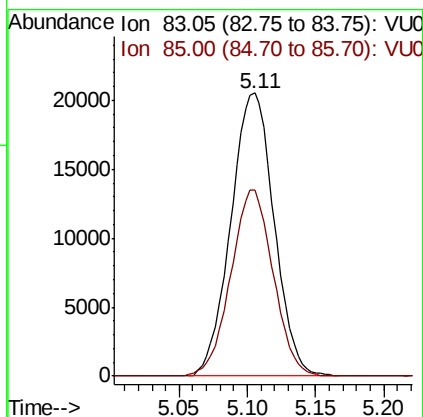
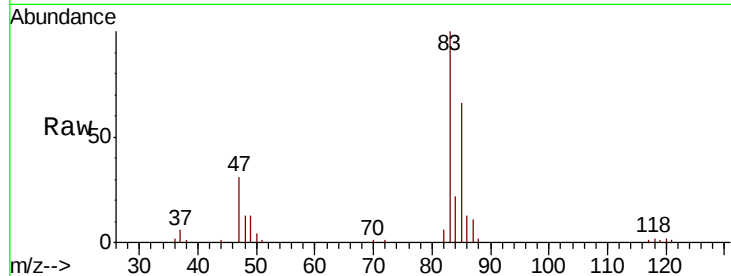




#25
Chloroform
Concen: 5.182 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

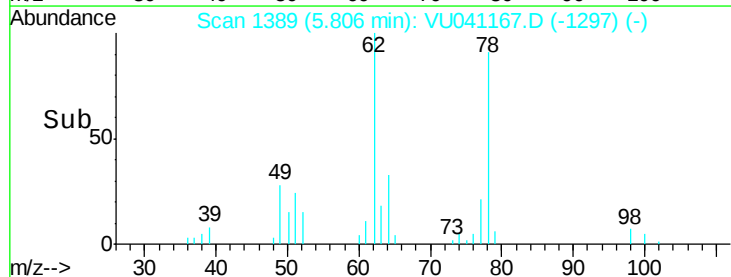
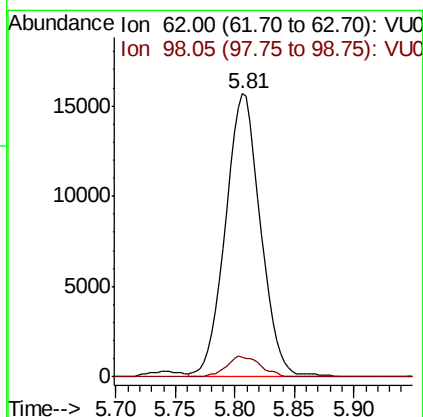
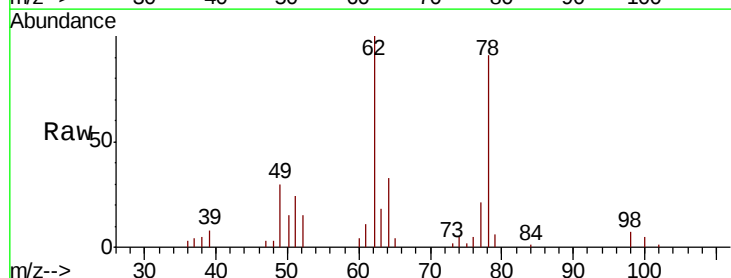
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

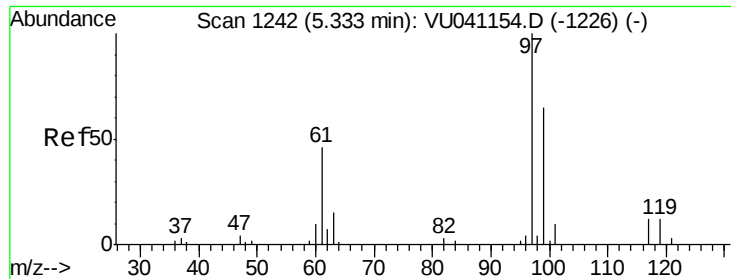
Tot Ion: 83 Resp: 45202
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.936 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

Tgt Ion: 62 Resp: 32067
Ion Ratio Lower Upper
62 100
98 7.0 7.6 11.4#

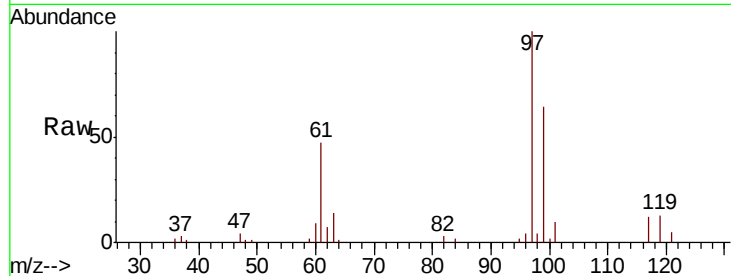




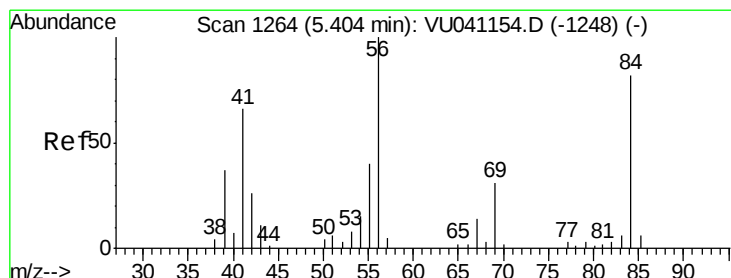
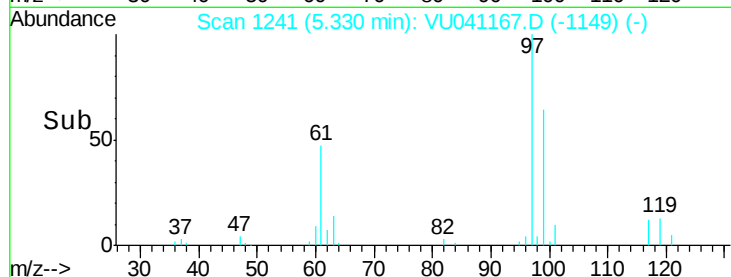
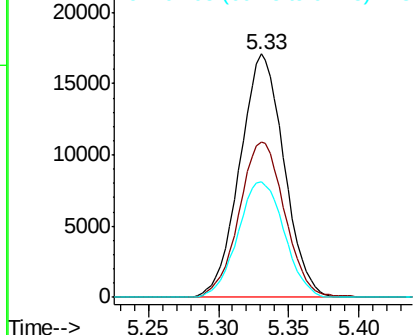
#29
 1,1,1-Trichloroethane
 Concen: 4.994 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 97 Resp: 37375
 Ion Ratio Lower Upper
 97 100
 99 66.0 53.4 80.0
 61 49.8 41.6 62.4

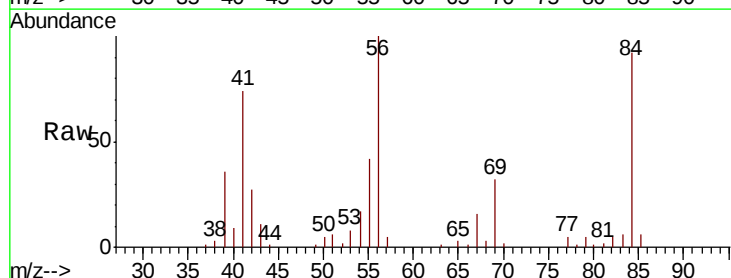


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

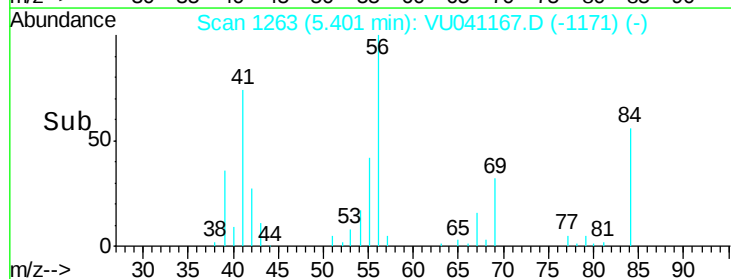
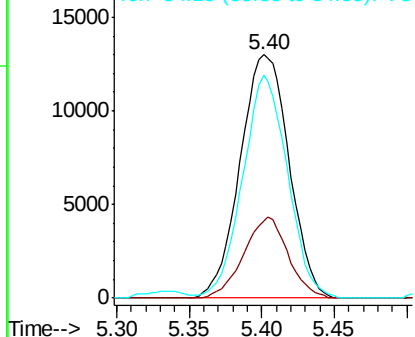


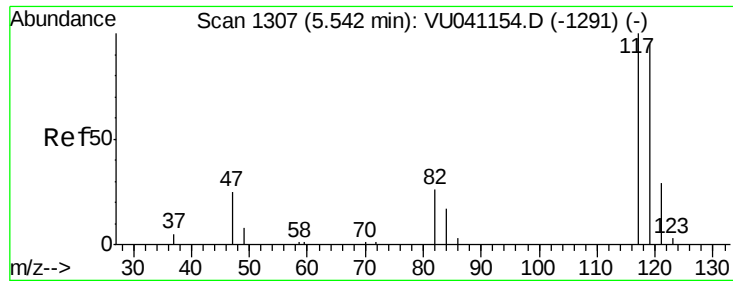
#30
 Cyclohexane
 Concen: 4.135 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion: 56 Resp: 30492
 Ion Ratio Lower Upper
 56 100
 69 30.1 22.8 34.2
 84 84.2 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: 5.168 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

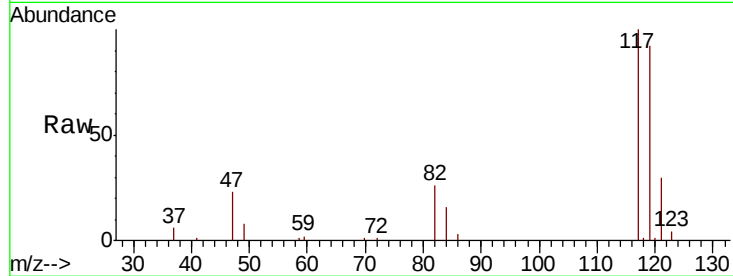
VSTD00524

Tot Ion:117 Resp: 34245

Ion Ratio Lower Upper

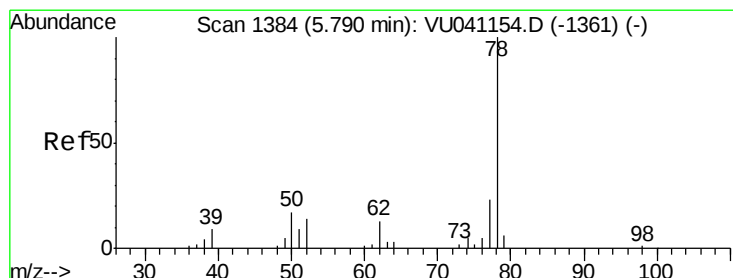
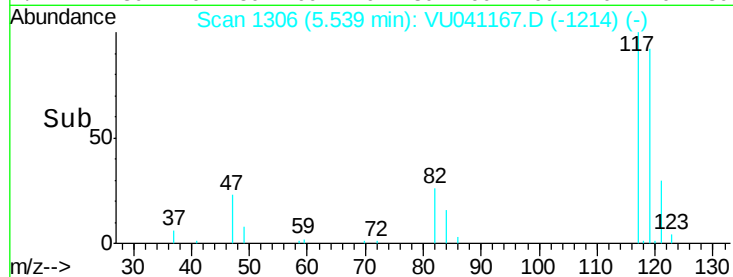
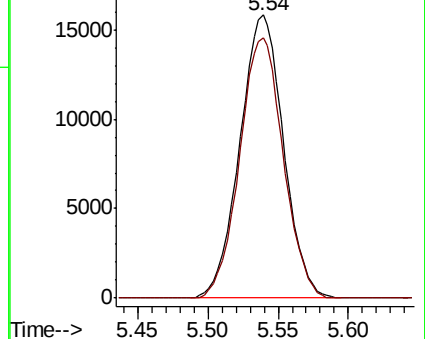
117 100

119 91.8 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: 4.626 ug/L

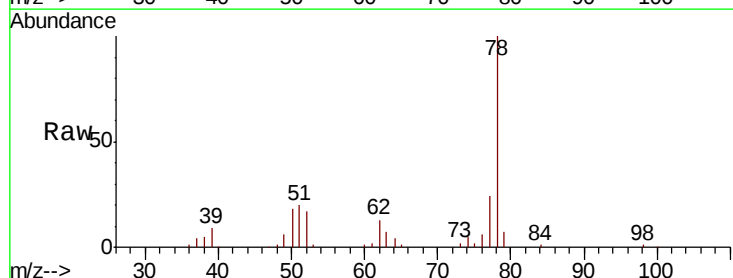
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

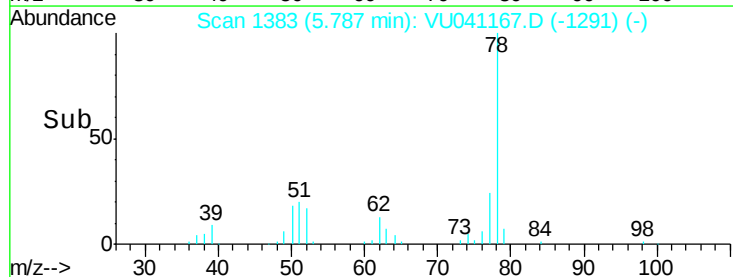
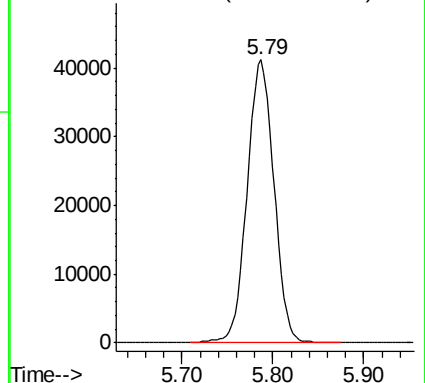
Lab File: VU041167.D

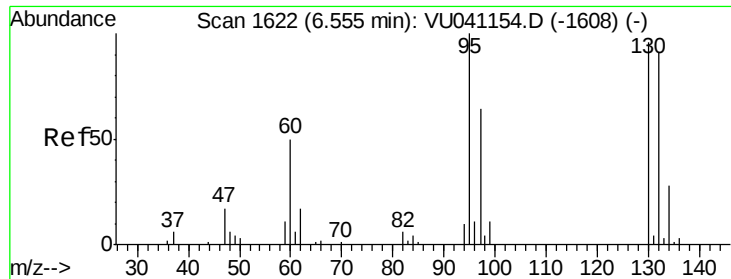
Acq: 10 Nov 2020 10:28

Tgt Ion: 78 Resp: 84586



Abundance Ion 78.10 (77.80 to 78.80): VU0

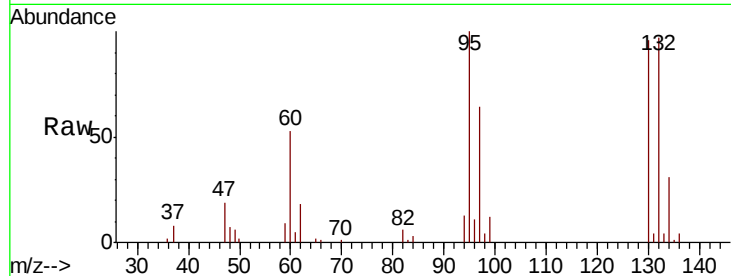




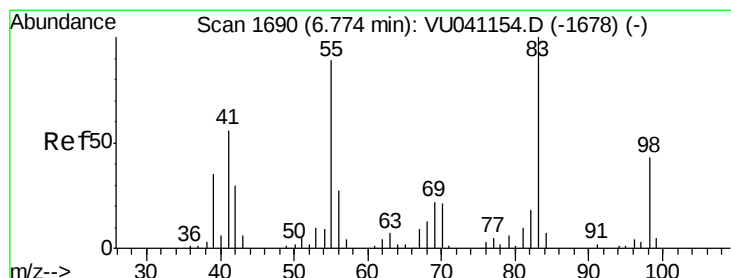
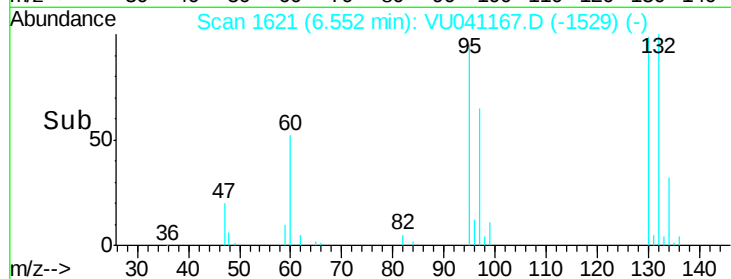
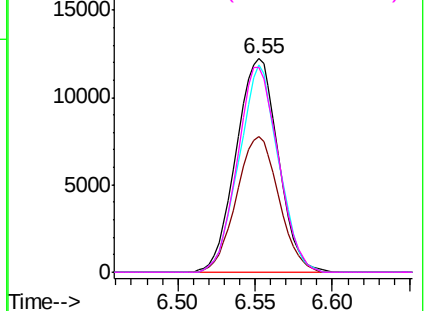
#34
 Trichloroethene
 Concen: 4.971 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 95 Resp: 23129
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.6 84.6
 132 97.0 64.8 120.4
 130 95.9 64.8 120.4

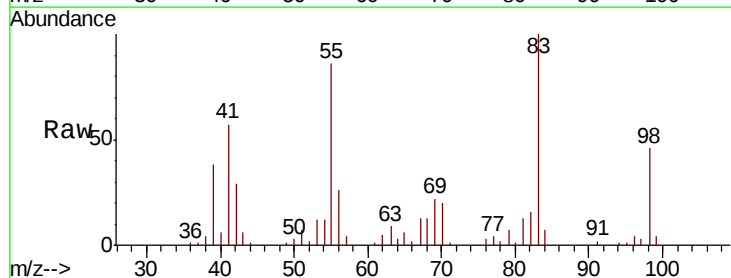


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

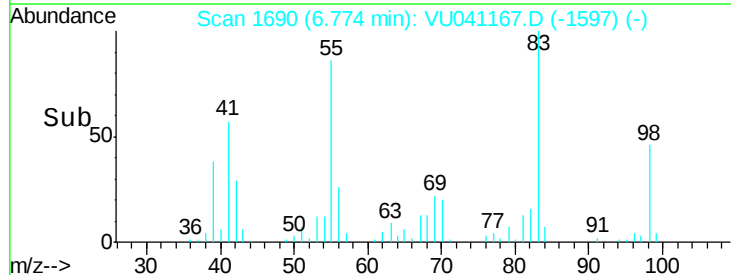
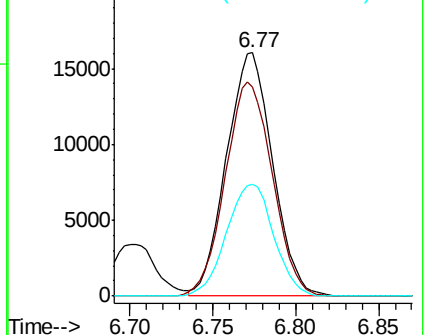


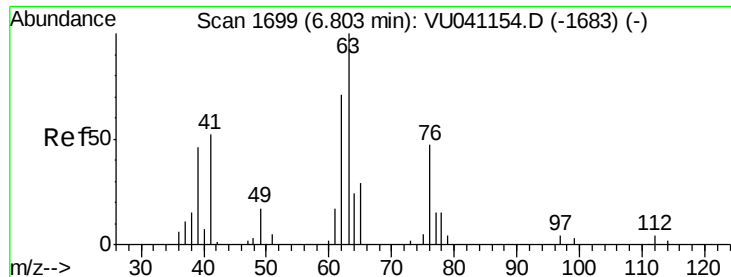
#35
 Methylcyclohexane
 Concen: 4.480 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion: 83 Resp: 31090
 Ion Ratio Lower Upper
 83 100
 55 89.6 72.0 108.0
 98 46.6 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

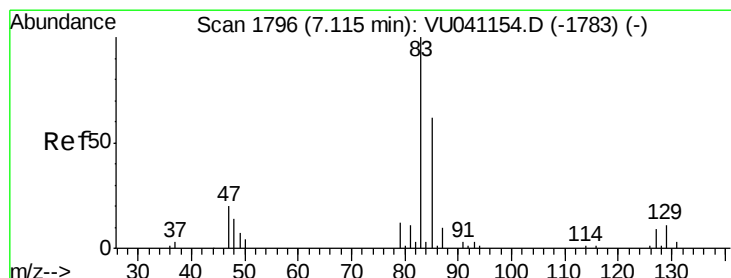
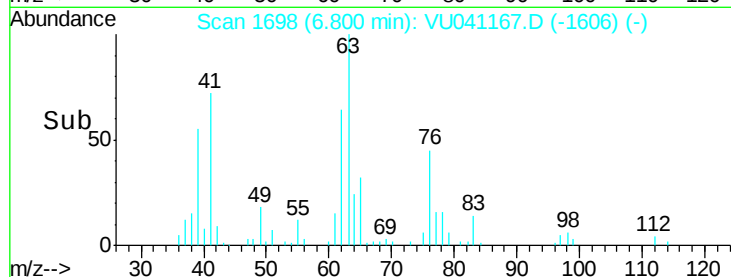
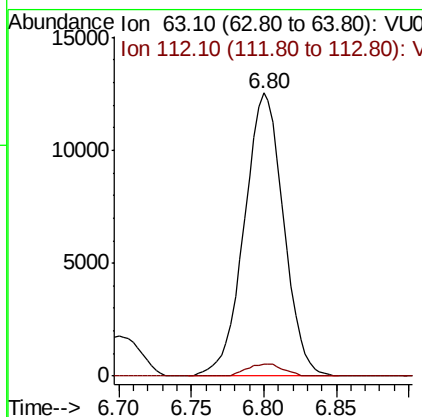
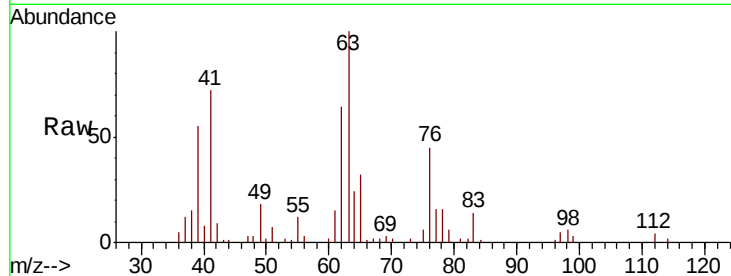




#37
 1,2-Dichloropropane
 Concen: 4.795 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

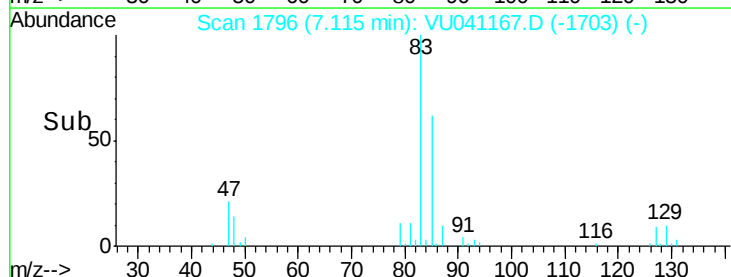
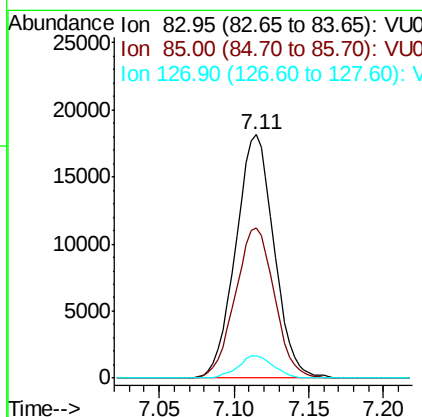
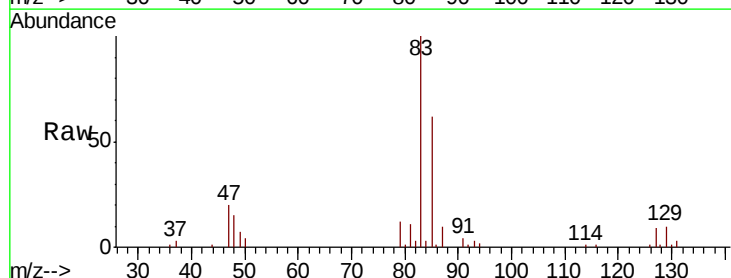
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

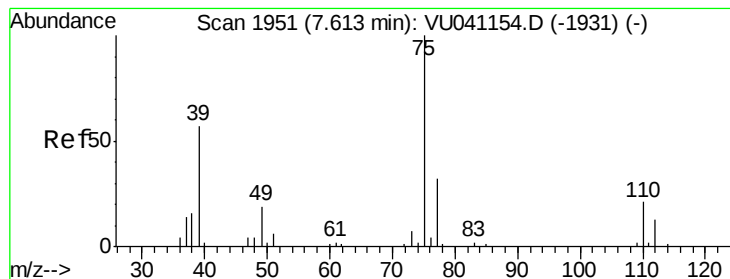
Tot Ion: 63 Resp: 23722
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.042 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion: 83 Resp: 32359
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.3 80.3
 127 9.2 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 4.984 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

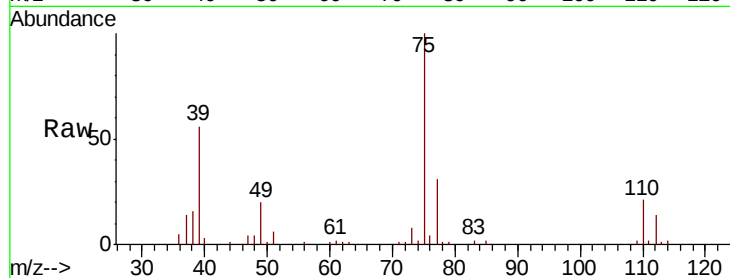
VSTD00524

Tot Ion: 75 Resp: 33949

Ion Ratio Lower Upper

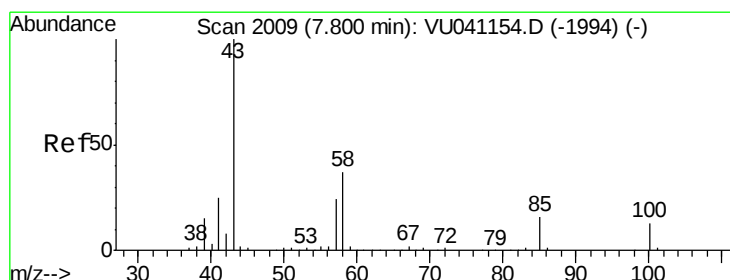
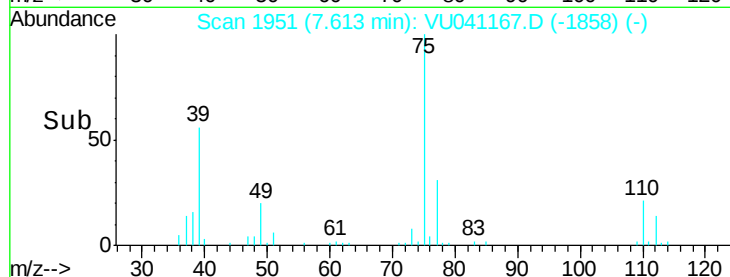
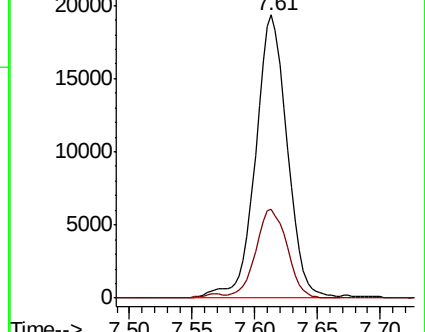
75 100

77 31.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041154.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU041154.D (-1931) (-)



#40

4-Methyl-2-pentanone

Concen: 47.042 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

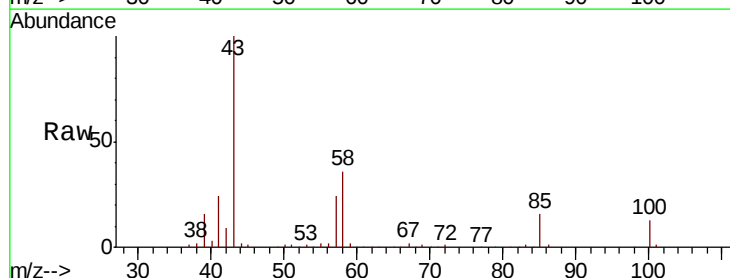
Tgt Ion: 43 Resp: 185561

Ion Ratio Lower Upper

43 100

58 36.2 29.8 44.6

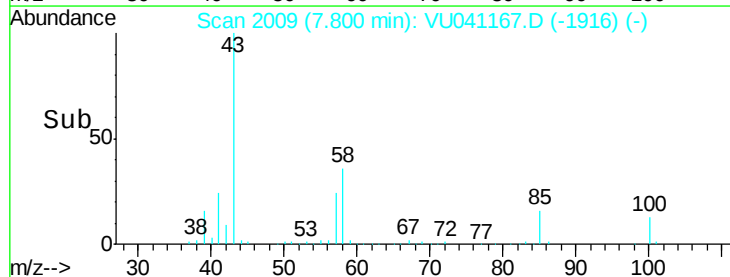
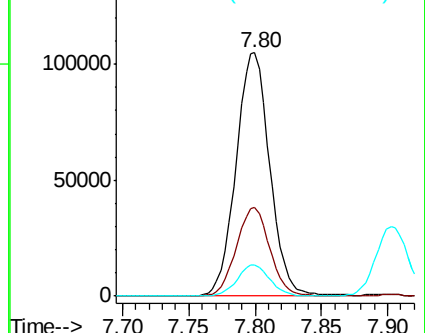
100 12.5 10.5 15.7

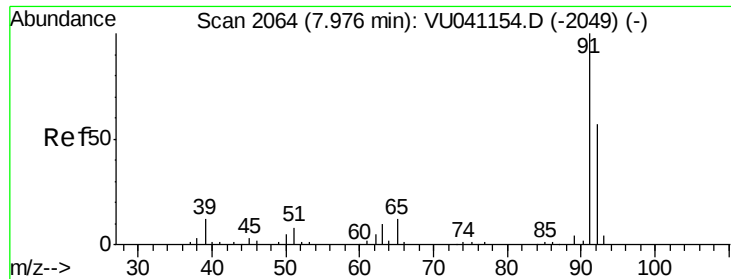


Abundance Ion 43.05 (42.75 to 43.75): VU041154.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU041154.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU041154.D (-1994) (-)





#42

Toluene

Concen: 4.863 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

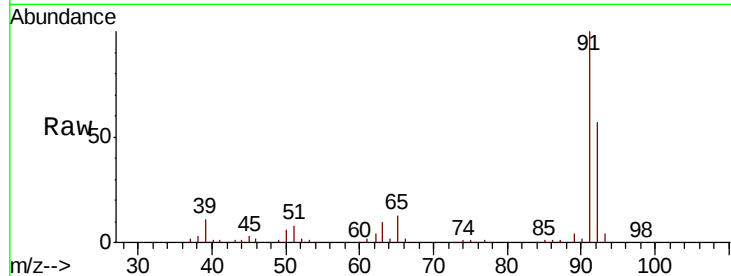
VSTD00524

Tot Ion: 91 Resp: 90158

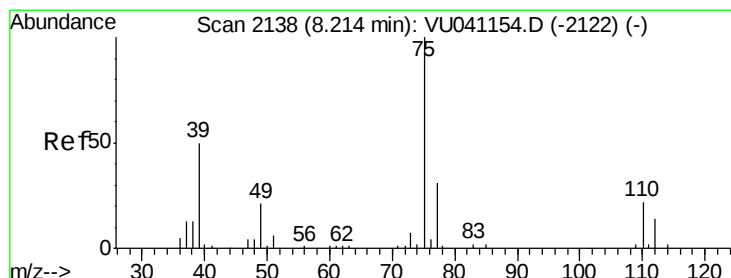
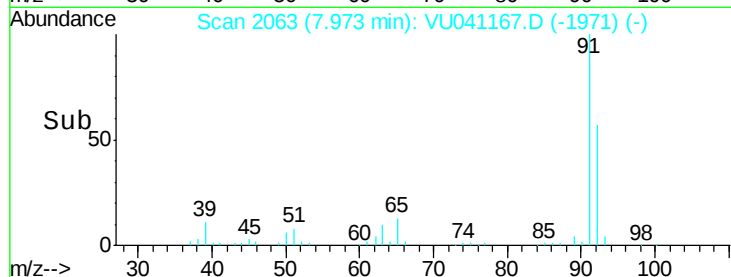
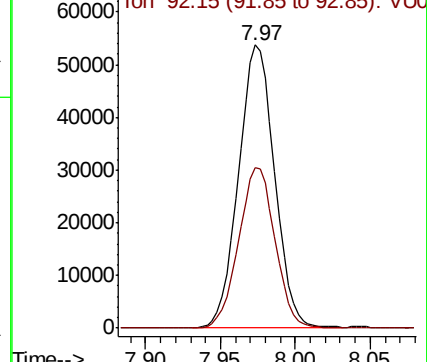
Ion Ratio Lower Upper

91 100

92 56.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041154.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.945 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041167.D

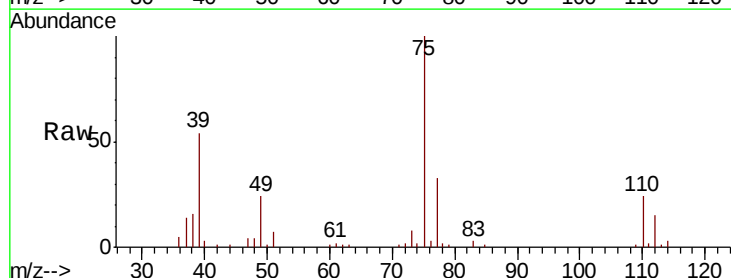
Acq: 10 Nov 2020 10:28

Tgt Ion: 75 Resp: 31523

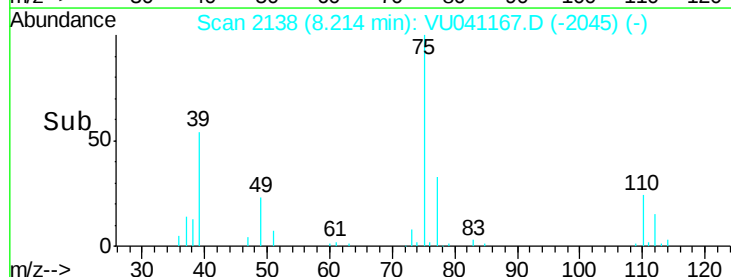
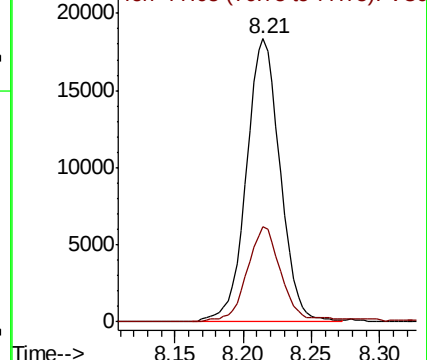
Ion Ratio Lower Upper

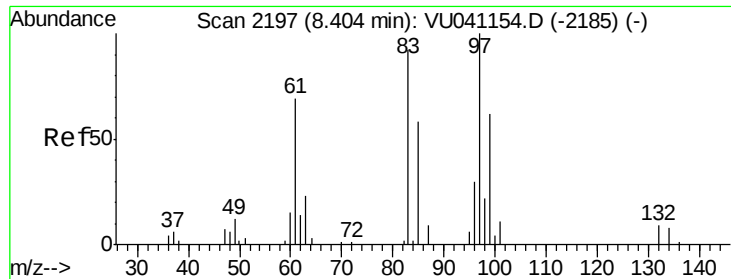
75 100

77 33.5 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041154.D (-2122) (-)

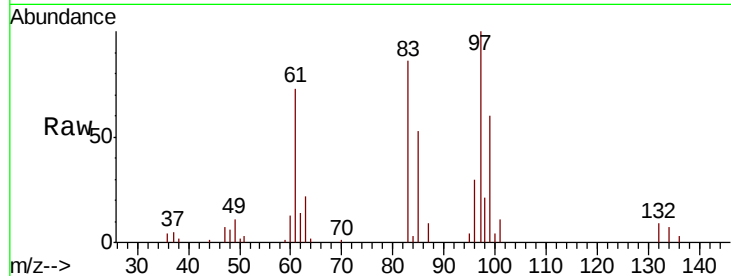




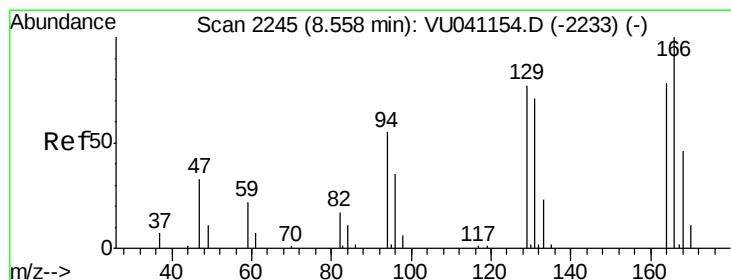
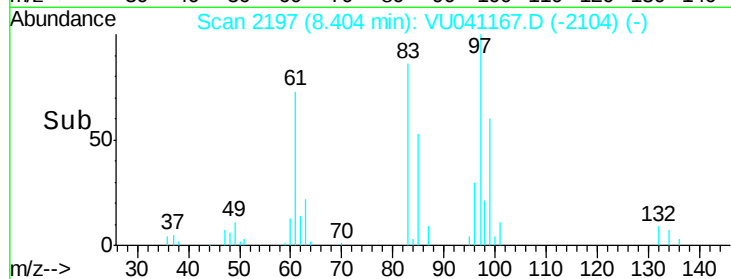
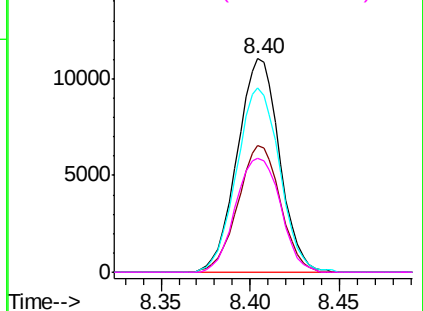
#45
 1,1,2-Trichloroethane
 Concen: 4.939 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:	97	Resp:	18191
Ion	Ratio	Lower	Upper
97	100		
99	59.6	45.8	85.2
83	86.5	67.9	126.1
85	53.5	42.8	79.6

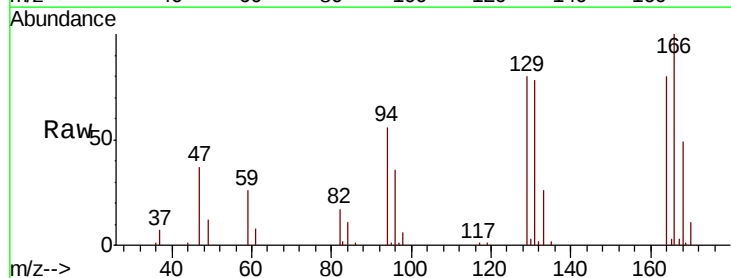


Abundance Ion 96.95 (96.65 to 97.65): VU041167.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU041167.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU041167.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU041167.D (-2104) (-)

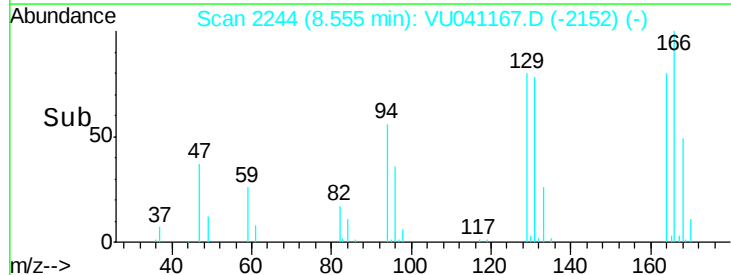
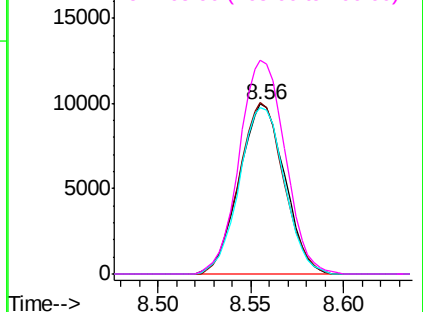


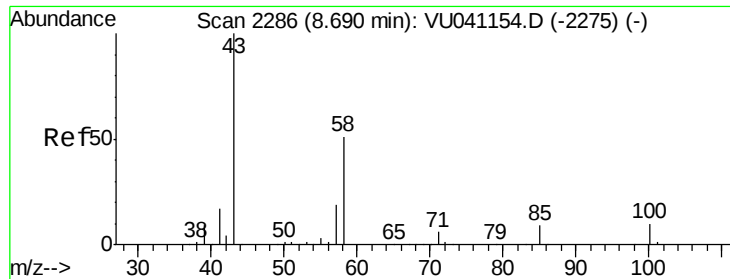
#47
 Tetrachloroethene
 Concen: 4.974 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion:	164	Resp:	17019
Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.3	130.7
131	97.9	70.8	131.4
166	125.5	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041167.D (-2152) (-)
 Ion 128.95 (128.65 to 129.65): VU041167.D (-2152) (-)
 Ion 130.95 (130.65 to 131.65): VU041167.D (-2152) (-)
 Ion 165.90 (165.60 to 166.60): VU041167.D (-2152) (-)

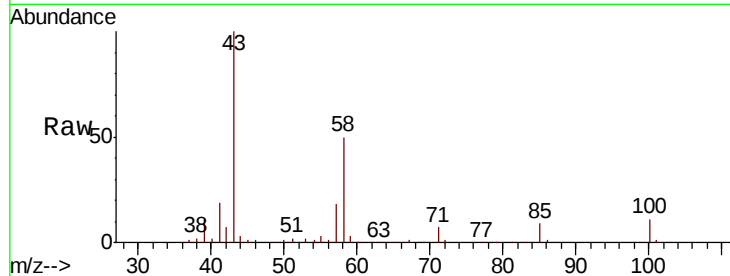




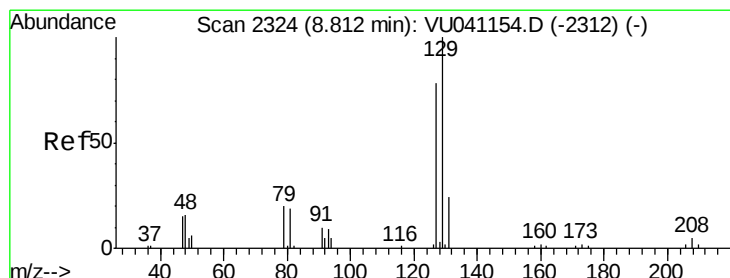
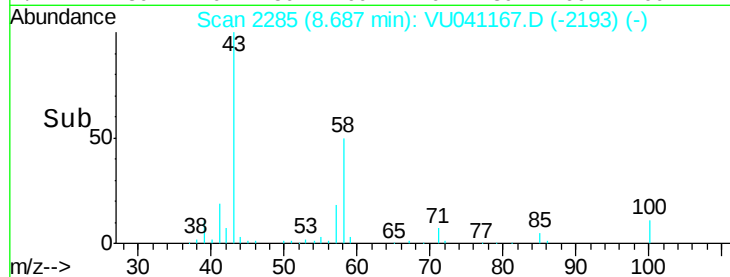
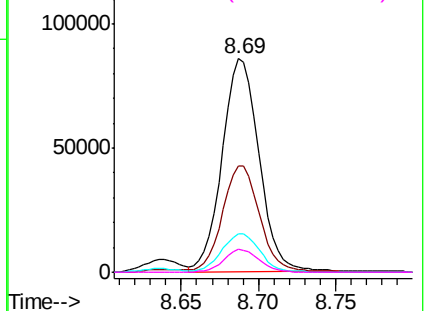
#48
2-Hexanone
Concen: 47.553 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:	43	Resp:	141238
Ion	Ratio	Lower	Upper
43	100		
58	50.7	41.4	62.2
57	18.5	14.6	21.8
100	10.2	8.3	12.5

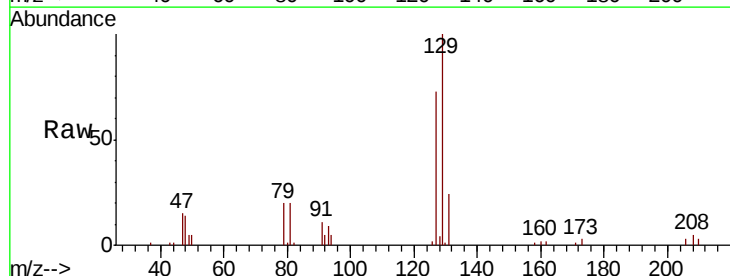


Abundance Ion 43.05 (42.75 to 43.75): VU041167.D (-2193) (-)

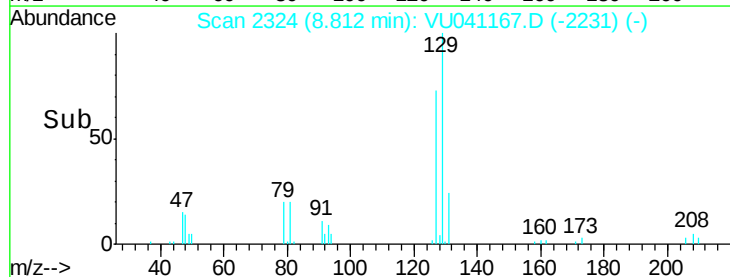
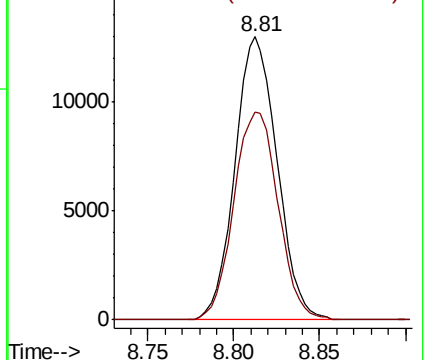


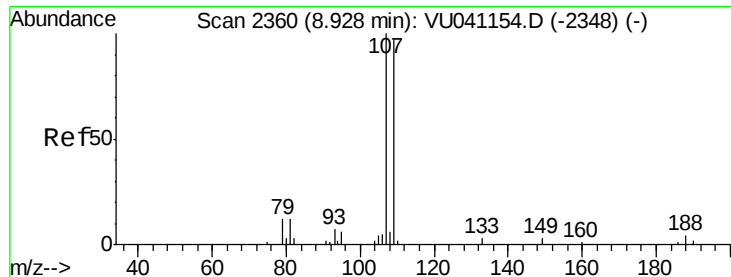
#49
Dibromochloromethane
Concen: 5.198 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041167.D
Acq: 10 Nov 2020 10:28

Tgt Ion:	129	Resp:	22231
Ion	Ratio	Lower	Upper
129	100		
127	73.3	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041167.D (-2231) (-)

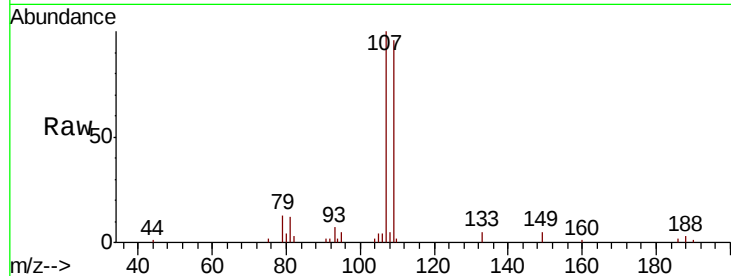




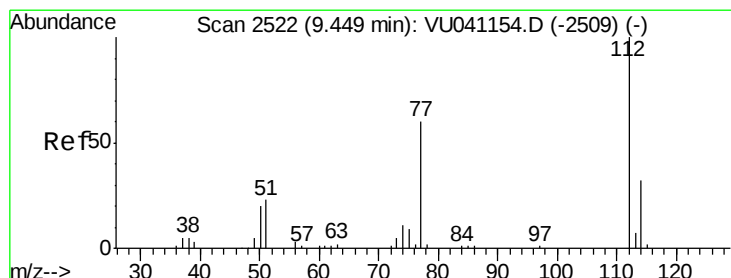
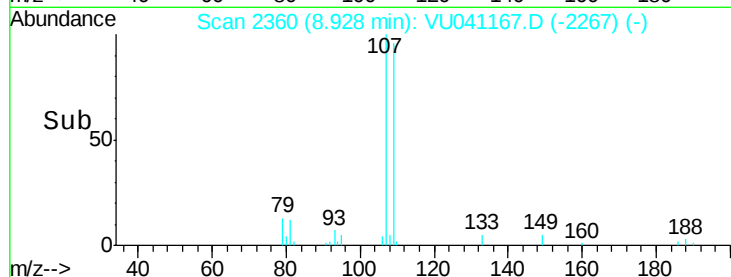
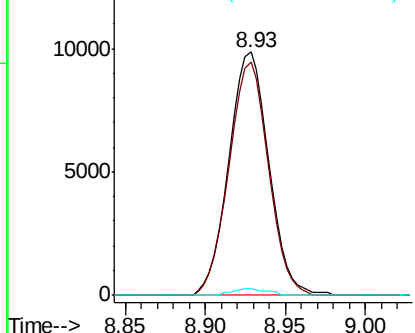
#50
 1,2-Dibromoethane
 Concen: 4.782 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:107 Resp: 16782
 Ion Ratio Lower Upper
 107 100
 109 95.6 65.6 121.8
 188 2.6 2.9 4.3#

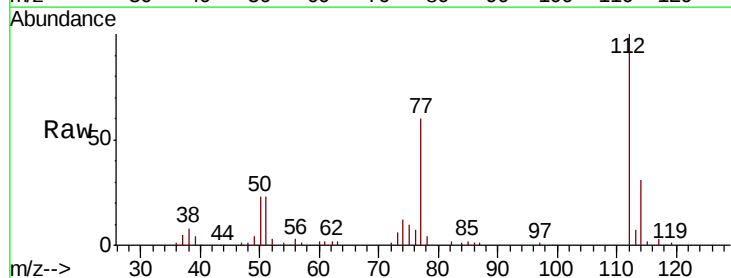


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

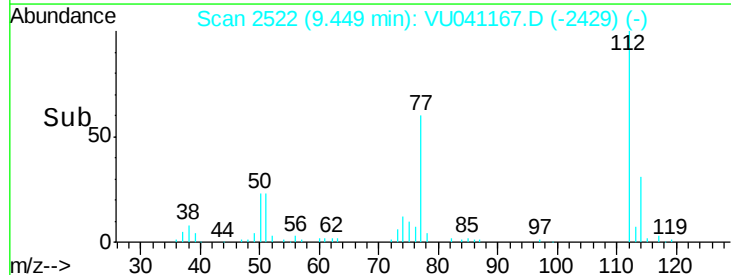
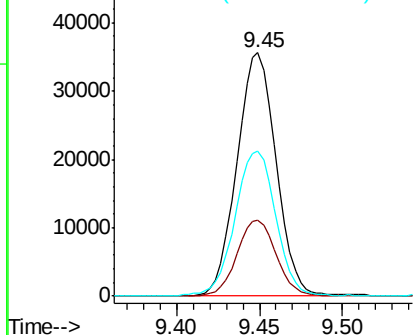


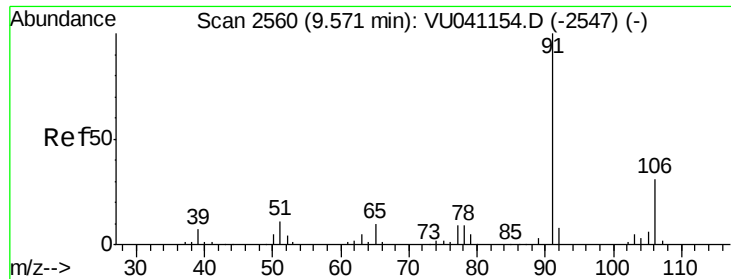
#51
 Chlorobenzene
 Concen: 4.973 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion:112 Resp: 58461
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.4 41.6
 77 59.6 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): V





#52

Ethylbenzene

Concen: 4.931 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

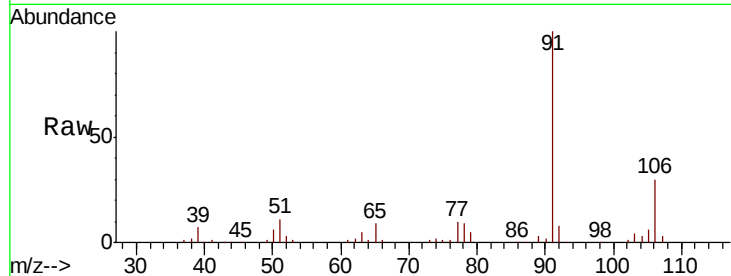
VSTD00524

Tot Ion: 91 Resp: 96234

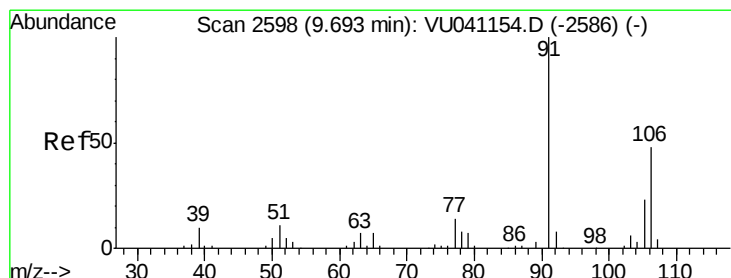
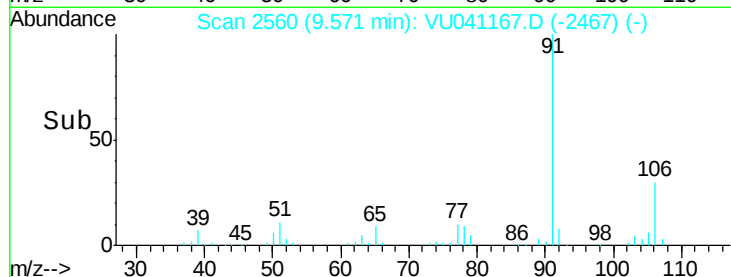
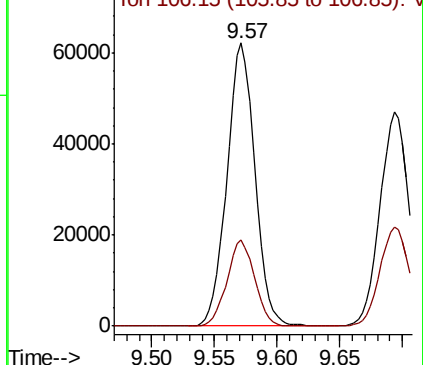
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041167.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.075 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041167.D

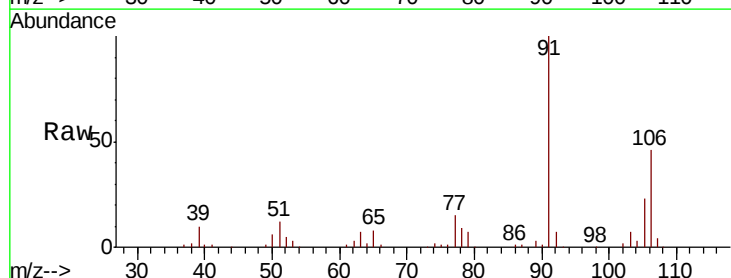
Acq: 10 Nov 2020 10:28

Tgt Ion: 106 Resp: 36123

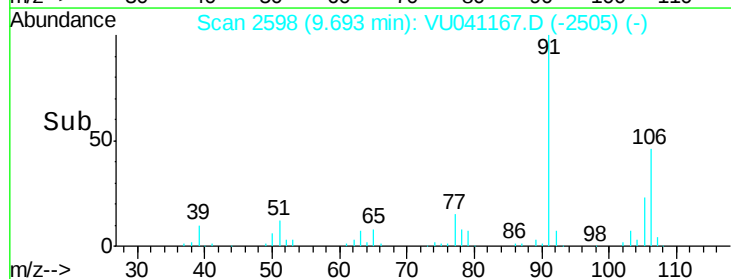
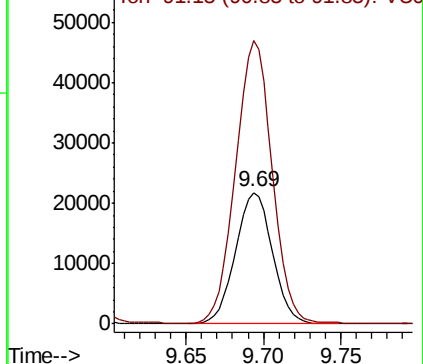
Ion Ratio Lower Upper

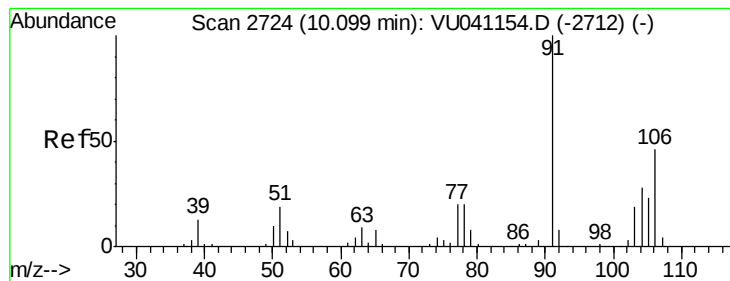
106 100

91 215.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041167.D (-2505) (-)





#54

o-Xylene

Concen: 5.179 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleID :

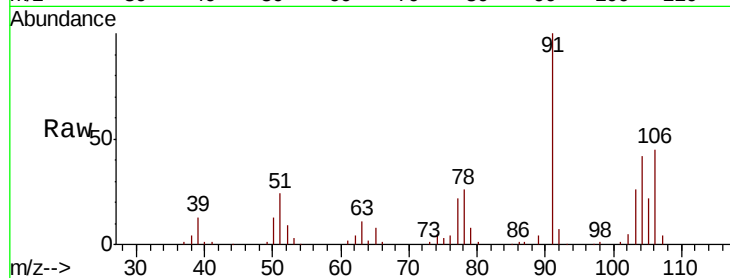
VSTD00524

Tot Ion:106 Resp: 34329

Ion Ratio Lower Upper

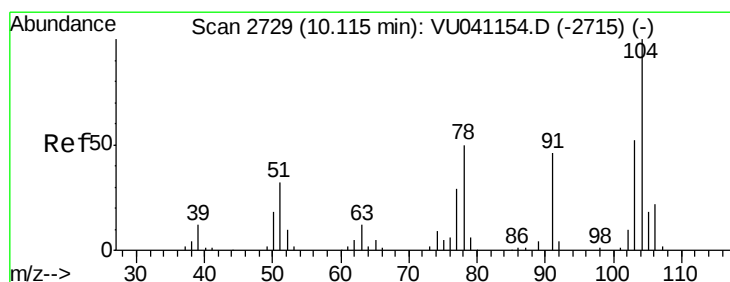
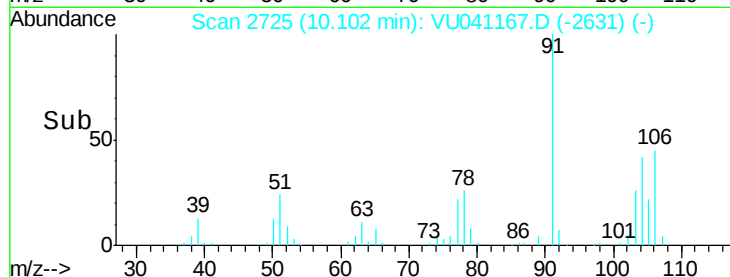
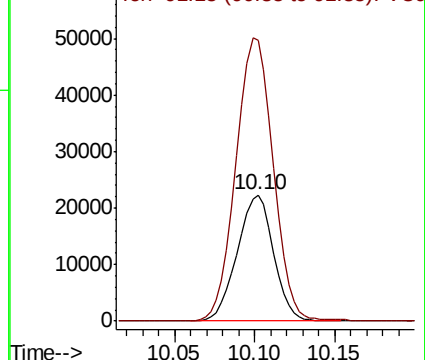
106 100

91 222.4 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.203 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041167.D

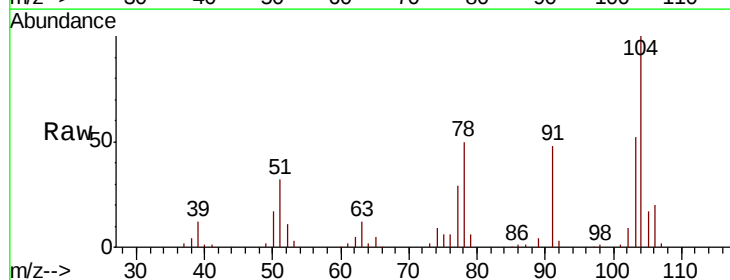
Acq: 10 Nov 2020 10:28

Tgt Ion:104 Resp: 61447

Ion Ratio Lower Upper

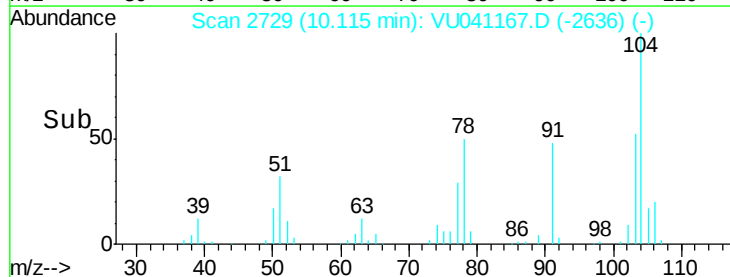
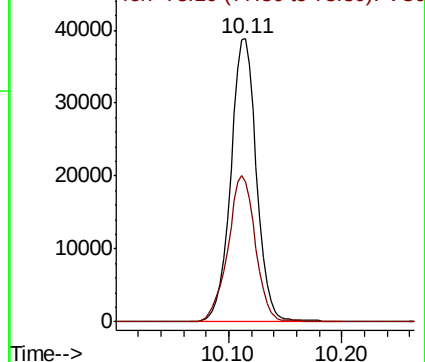
104 100

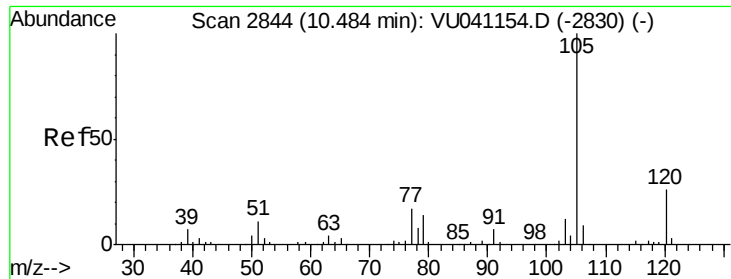
78 49.7 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.339 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampled :

VSTD00524

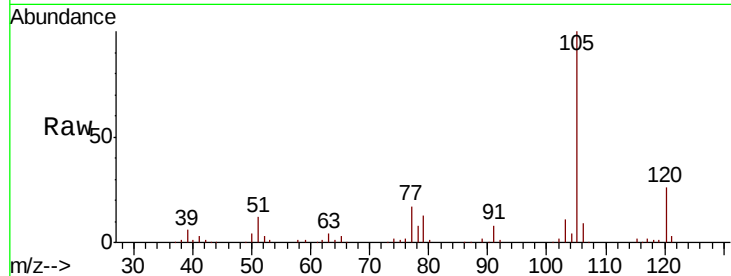
Tot Ion:105 Resp: 95167

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

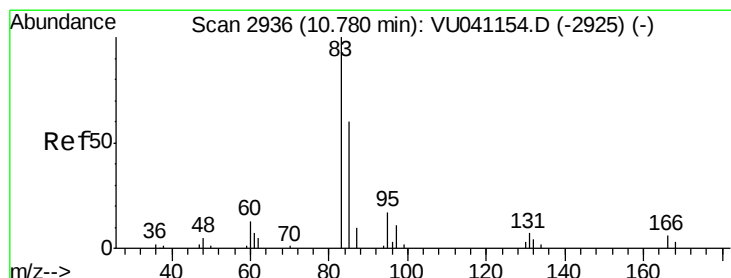
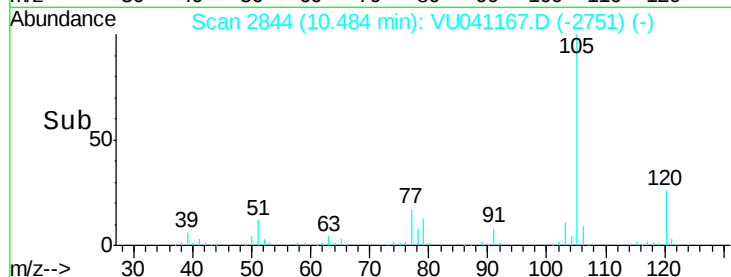
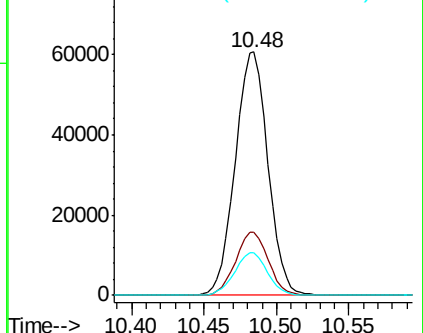
77 17.5 13.8 20.6



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: 4.599 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

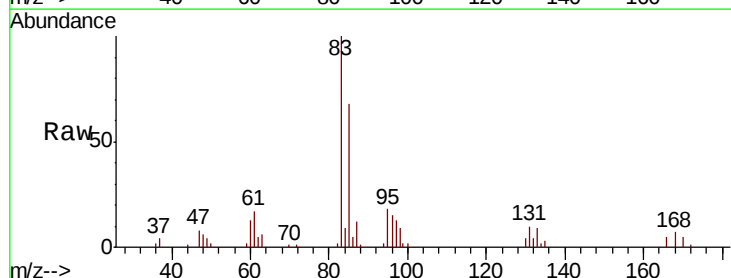
Tgt Ion: 83 Resp: 22244

Ion Ratio Lower Upper

83 100

85 67.6 44.4 82.4

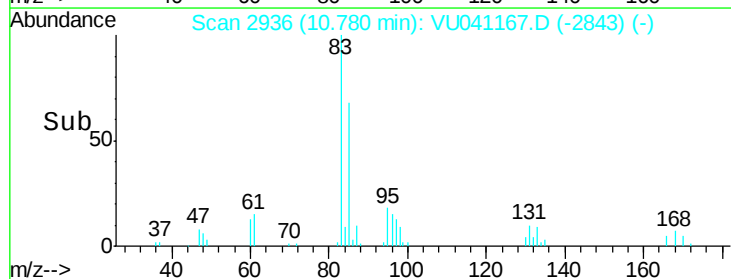
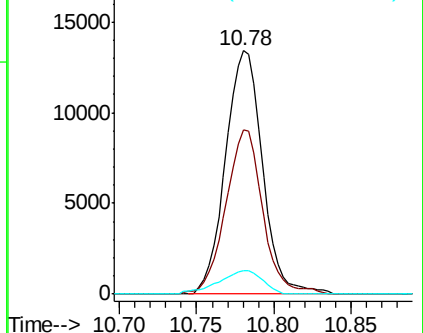
131 9.7 7.7 11.5

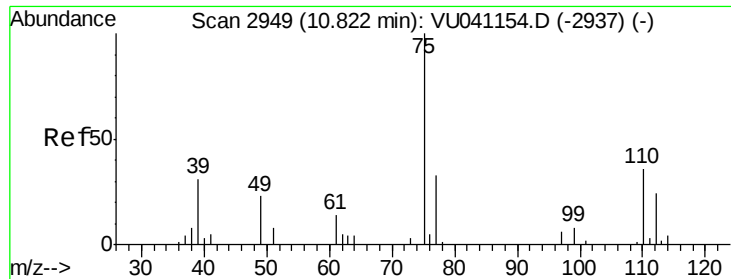


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.924 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

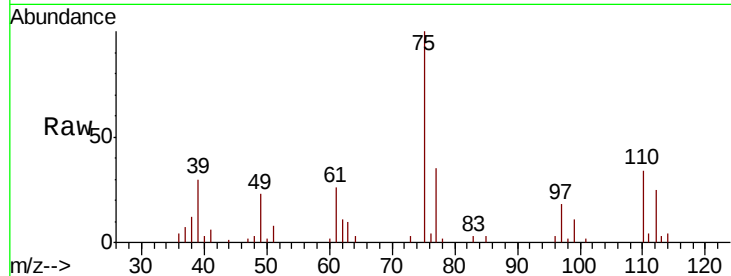
VSTD00524

Tot Ion: 75 Resp: 18157

Ion Ratio Lower Upper

75 100

77 34.1 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

12000

10000

8000

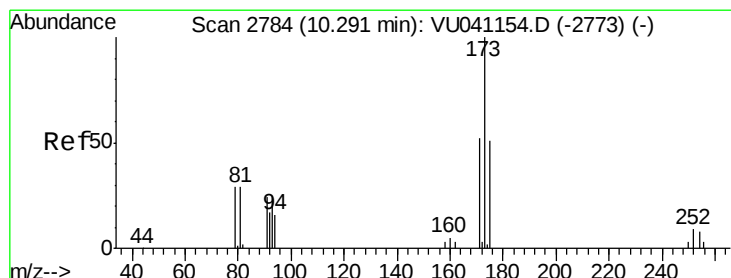
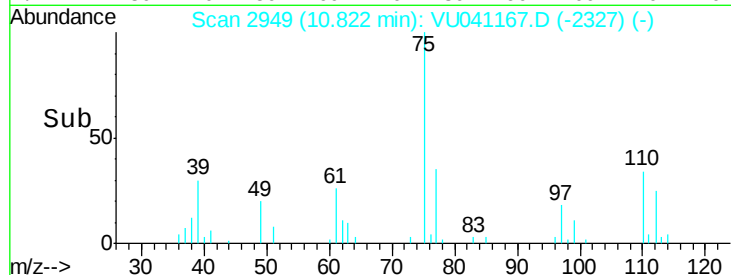
6000

4000

2000

0

Time-->



#61

Bromoform

Concen: 5.135 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

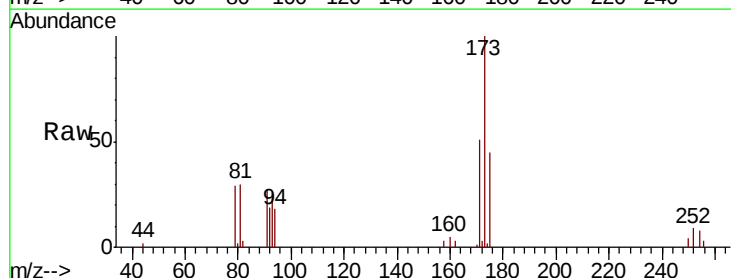
Tgt Ion: 173 Resp: 12904

Ion Ratio Lower Upper

173 100

175 46.5 37.6 56.4

254 8.6 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

10000

8000

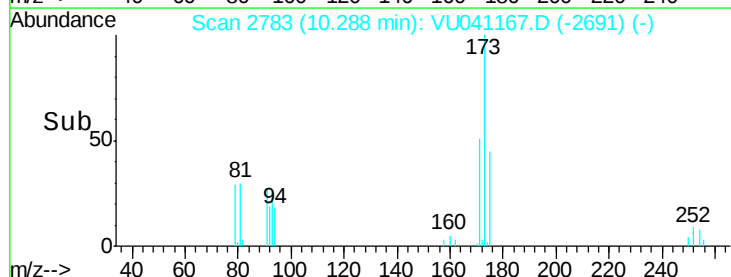
6000

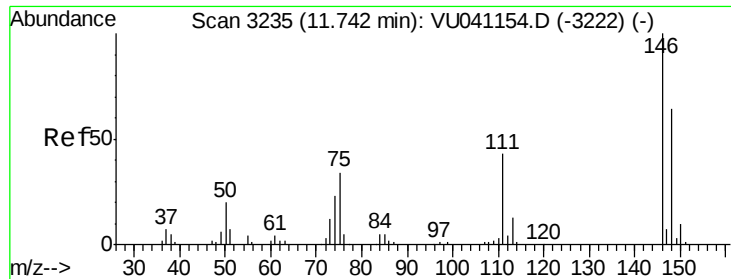
4000

2000

0

Time-->

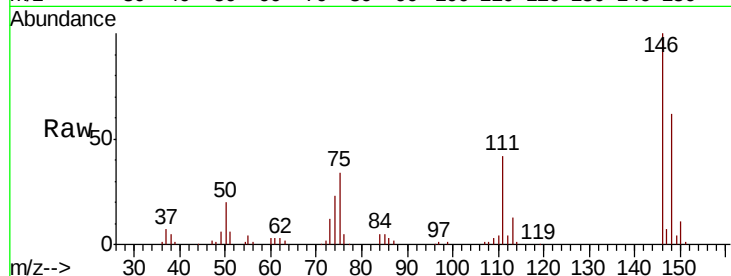




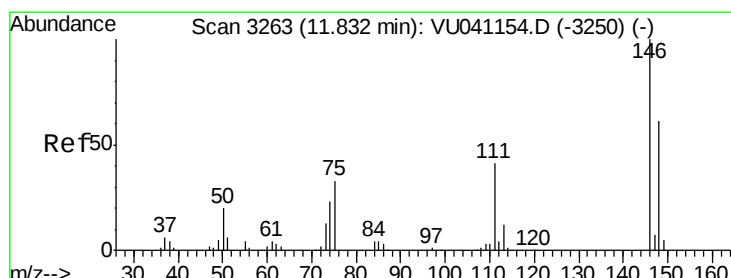
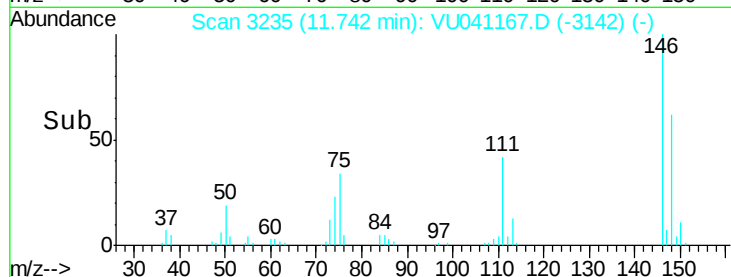
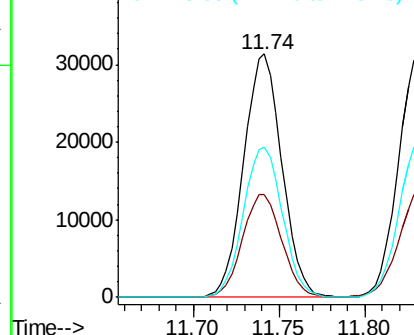
#62
 1,3-Dichlorobenzene
 Concen: 5.161 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:146 Resp: 48575
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.9 57.3
 148 61.7 45.8 85.2

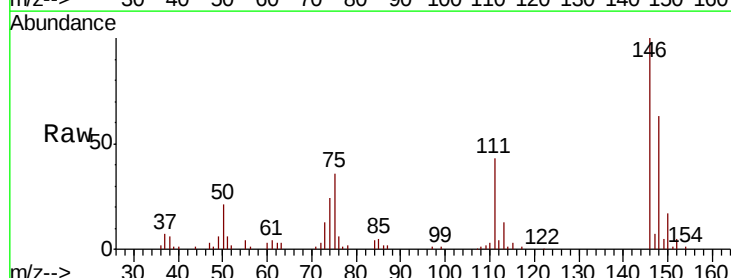


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

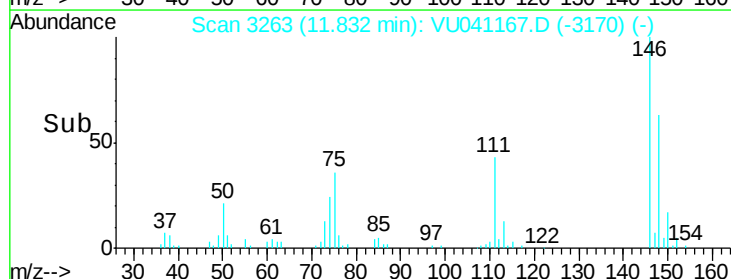
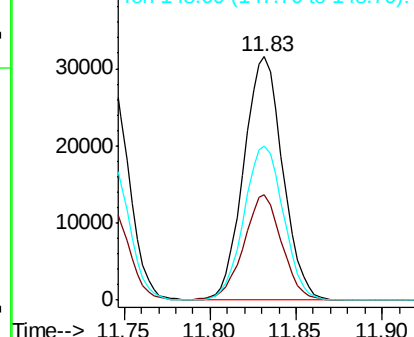


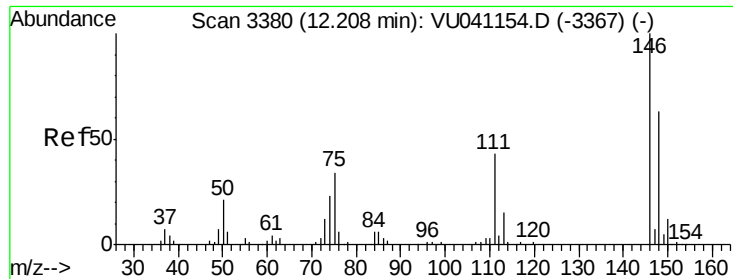
#63
 1,4-Dichlorobenzene
 Concen: 5.081 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion:146 Resp: 49536
 Ion Ratio Lower Upper
 146 100
 111 43.2 28.3 52.7
 148 63.5 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

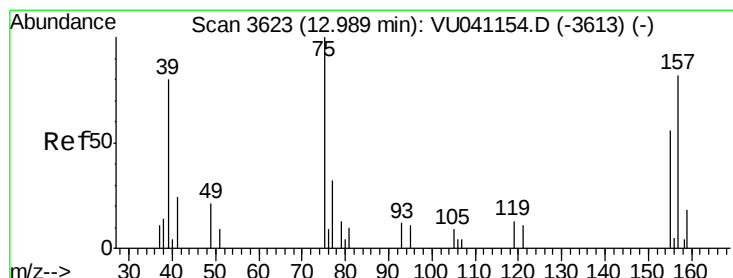
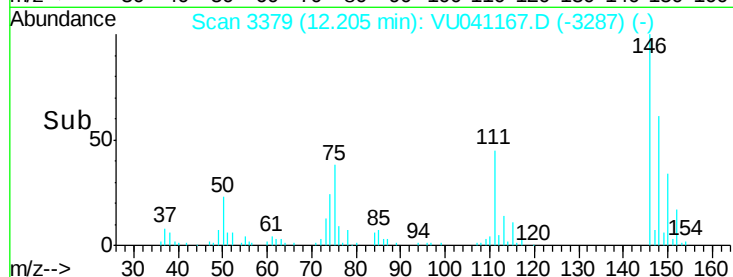
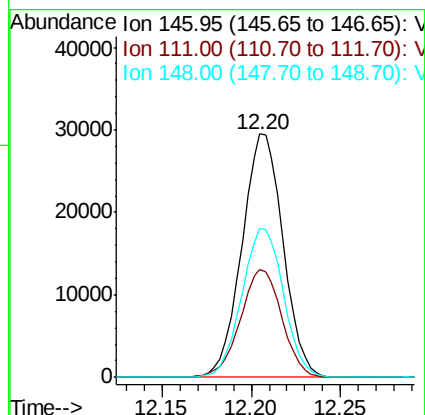
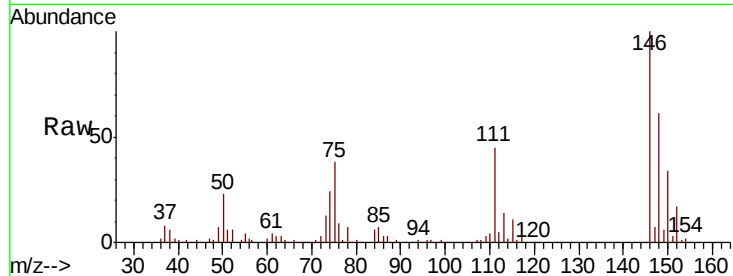




#65
 1,2-Dichlorobenzene
 Concen: 5.102 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

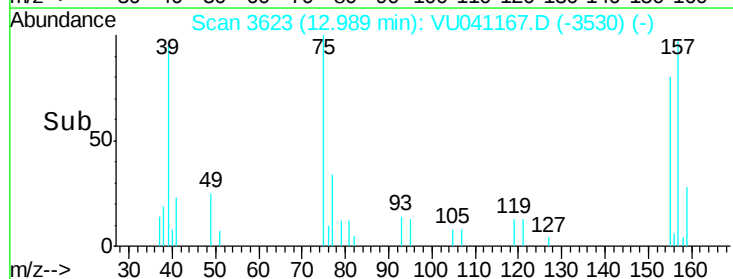
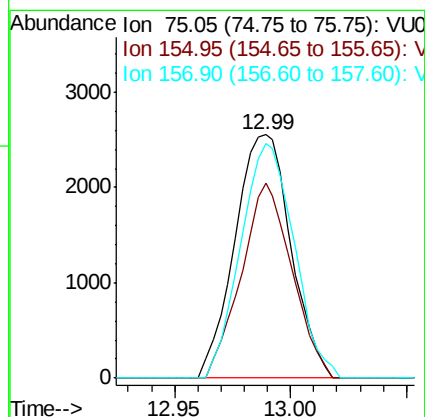
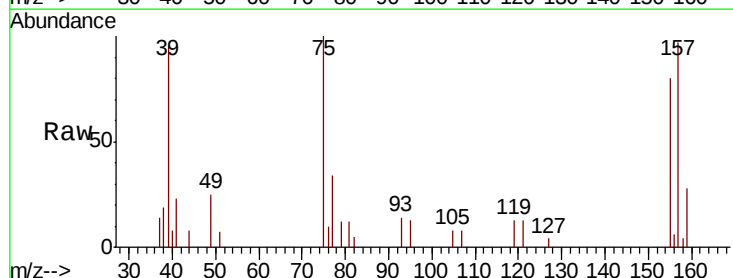
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

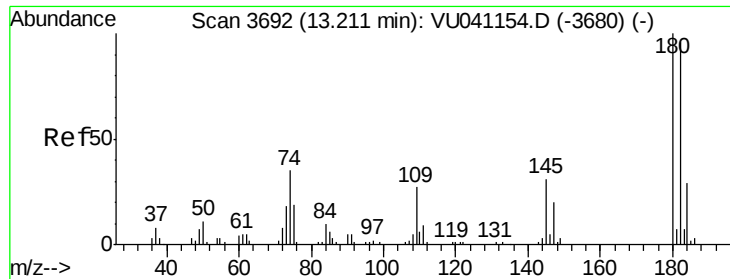
Tot Ion:146 Resp: 47392
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.0 52.6
 148 61.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.714 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion: 75 Resp: 4291
 Ion Ratio Lower Upper
 75 100
 155 80.3 61.4 92.2
 157 96.6 74.2 111.4

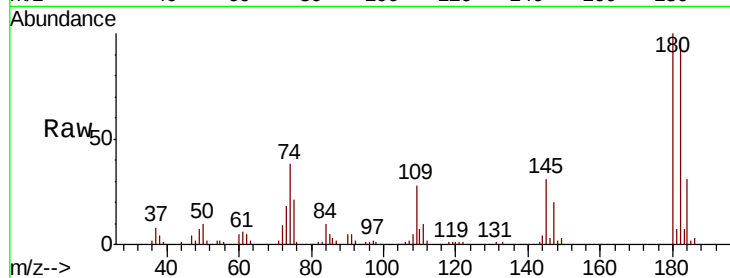




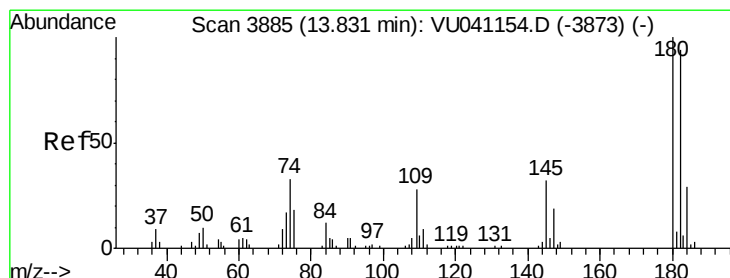
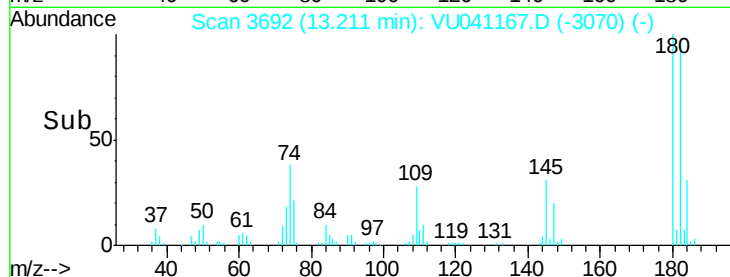
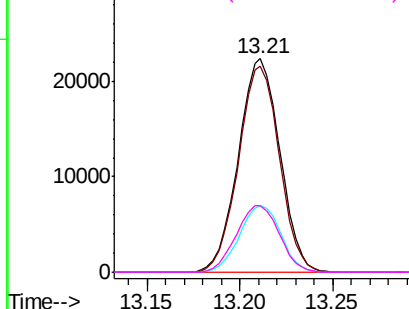
#67
 1,3,5-Trichlorobenzene
 Concen: 5.311 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:180 Resp: 34961
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.7 113.5
 184 30.9 23.7 35.5
 145 32.4 26.1 39.1

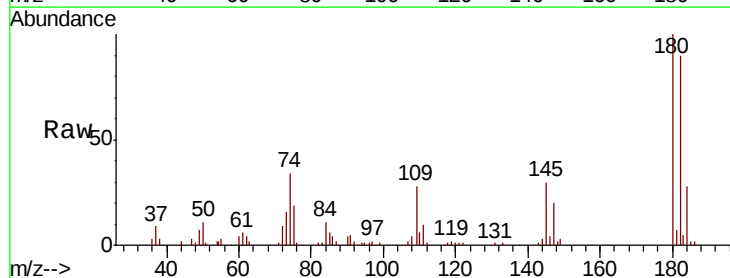


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

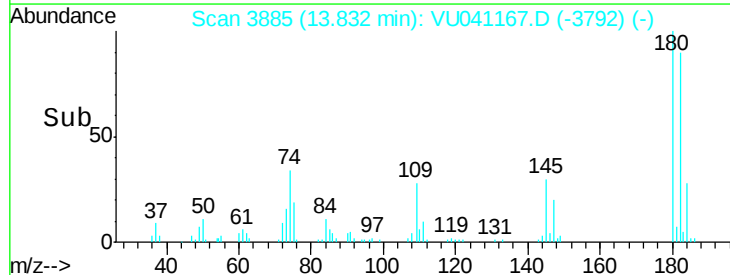
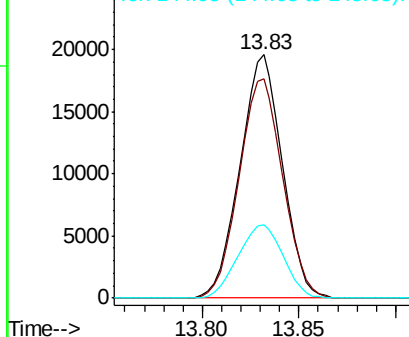


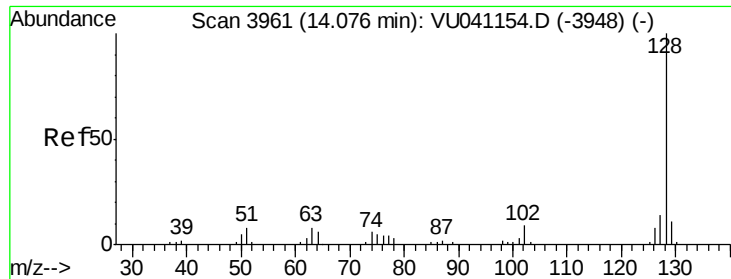
#68
 1,2,4-trichlorobenzene
 Concen: 5.470 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041167.D
 Acq: 10 Nov 2020 10:28

Tgt Ion:180 Resp: 29829
 Ion Ratio Lower Upper
 180 100
 182 92.7 73.5 110.3
 145 32.1 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: 5.169 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

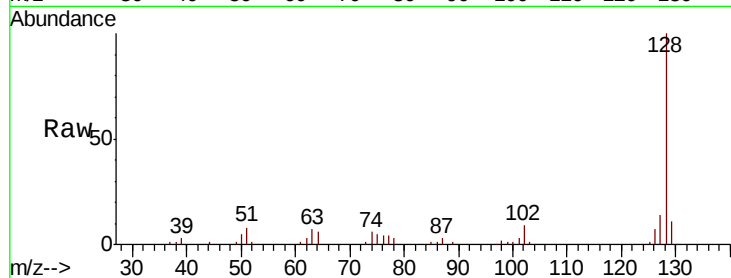
Tot Ion:128 Resp: 50402

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

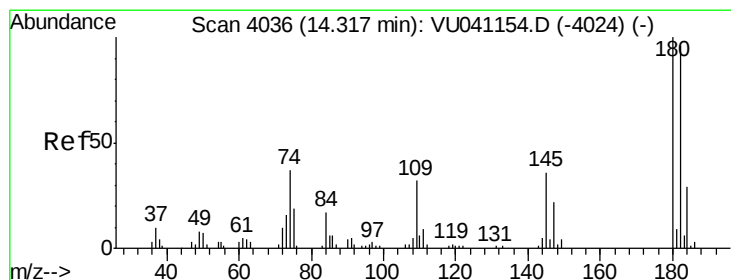
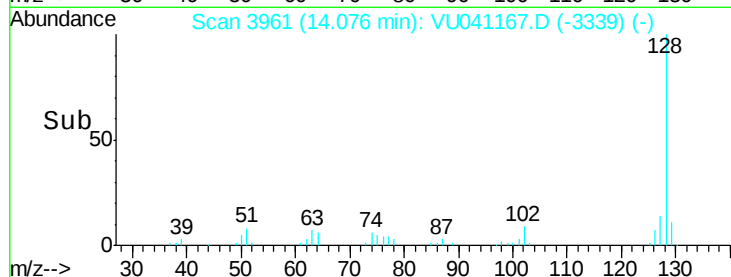
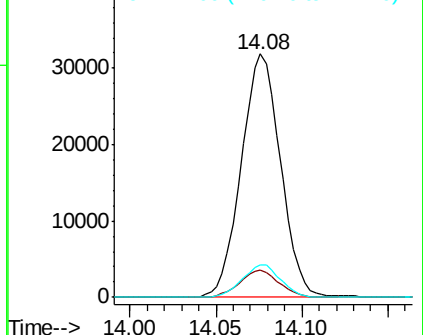
127 13.1 10.8 16.2



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: 5.653 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041167.D

Acq: 10 Nov 2020 10:28

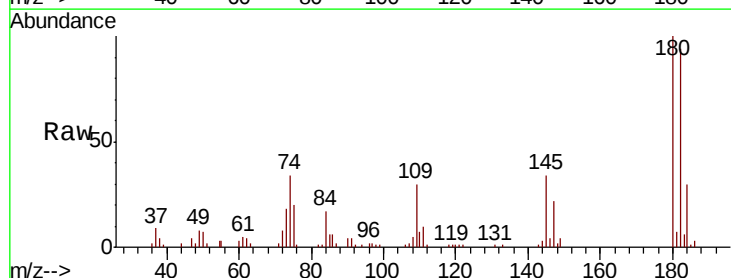
Tgt Ion:180 Resp: 28411

Ion Ratio Lower Upper

180 100

182 94.1 77.7 116.5

145 34.5 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

