

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041727.D
 Acq On : 22 Dec 2020 09:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Dec 23 04:00:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 05:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	150569	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	144637	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73854	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41188	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.92	69	45093	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	93185	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.66	46	187858	55.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.12%
24) Chloroform-d	5.08	84	100675	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.71	65	55005	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	188920	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	61712	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.90	98	172486	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.18	79	28077	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	173837	54.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	62178	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	65994	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	62501	4.900	ug/L	97
3) Chloromethane	1.52	50	56773	4.581	ug/L	98
5) Vinyl chloride	1.61	62	64987	4.749	ug/L	97
6) Bromomethane	1.86	94	48462	5.664	ug/L	99
8) Chloroethane	1.94	64	45152	4.858	ug/L	100
9) Trichlorofluoromethane	2.15	101	103632	5.983	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58223	5.621	ug/L	97
12) 1,1-Dichloroethene	2.59	96	53876	5.275	ug/L	87
13) Acetone	2.67	43	100025	46.506	ug/L	96
14) Carbon disulfide	2.80	76	162419	4.601	ug/L	98
15) Methyl Acetate	2.97	43	24655	4.409	ug/L	94
16) Methylene chloride	3.06	84	61145	5.012	ug/L	91
17) Methyl tert-butyl Ether	3.38	73	143409	5.262	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	55448	5.248	ug/L	91
19) 1,1-Dichloroethane	3.88	63	99192	5.023	ug/L	97
21) 2-Butanone	4.74	43	181100	51.694	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	61675	5.282	ug/L	89

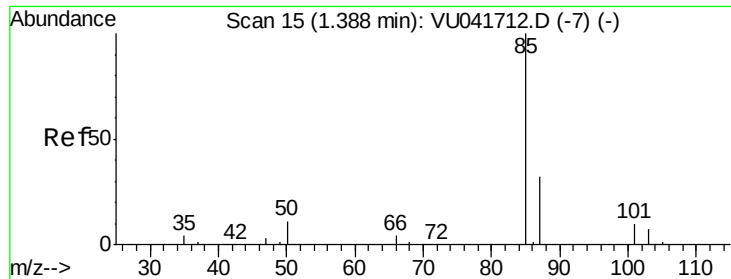
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122220\
 Data File : VU041727.D
 Acq On : 22 Dec 2020 09:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Dec 23 04:00:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 05:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	30403	5.668	ug/L	89
25) Chloroform	5.10	83	106911	5.377	ug/L	96
27) 1,2-Dichloroethane	5.81	62	69350	5.150	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	88879	5.351	ug/L	98
30) Cyclohexane	5.40	56	85739	4.605	ug/L	91
31) Carbon tetrachloride	5.54	117	79119	5.509	ug/L	100
33) Benzene	5.79	78	233860	5.056	ug/L	100
34) Trichloroethene	6.55	95	60491	5.204	ug/L	95
35) Methylcyclohexane	6.77	83	92049	4.899	ug/L	99
37) 1,2-Dichloropropane	6.80	63	59661	5.043	ug/L	99
38) Bromodichloromethane	7.11	83	78159	5.310	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	87648	4.999	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	412971	49.051	ug/L	96
42) Toluene	7.97	91	250647	5.248	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	79150	5.048	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	48076	5.494	ug/L	97
47) Tetrachloroethene	8.56	164	46338	5.695	ug/L	96
48) 2-Hexanone	8.69	43	305343	49.834	ug/L #	96
49) Dibromochloromethane	8.81	129	57240	5.695	ug/L	97
50) 1,2-Dibromoethane	8.93	107	47114	5.443	ug/L	100
51) Chlorobenzene	9.45	112	158725	5.347	ug/L	96
52) Ethylbenzene	9.57	91	256747	5.049	ug/L	97
53) m,p-Xylene	9.69	106	99762	5.260	ug/L	95
54) o-Xylene	10.10	106	97774	5.263	ug/L	99
55) Styrene	10.11	104	166361	5.184	ug/L	98
56) Isopropylbenzene	10.48	105	259790	5.254	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	64167	5.270	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	45725	5.146	ug/L	99
61) Bromoform	10.29	173	34385	6.159	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	123508	5.468	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	121205	5.337	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	120993	5.470	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	11314	5.454	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	91035	5.310	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	70302	4.886	ug/L	98
69) Naphthalene	14.07	128	127371	4.276	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	67384	4.914	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.900 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

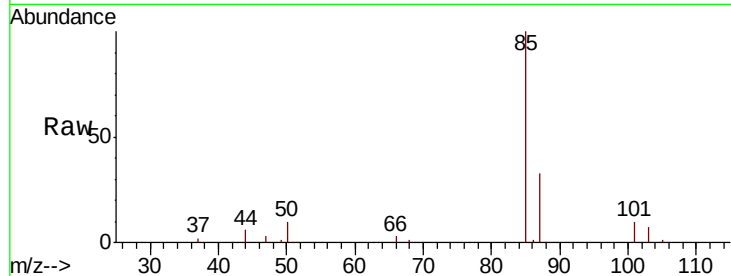
VSTD00524

Tot Ion: 85 Resp: 62501

Ion Ratio Lower Upper

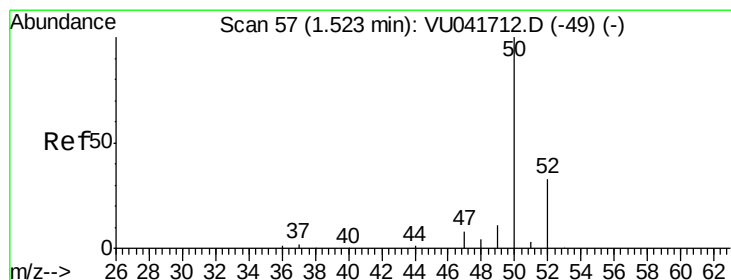
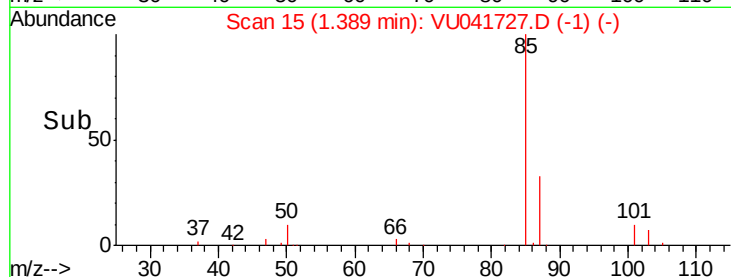
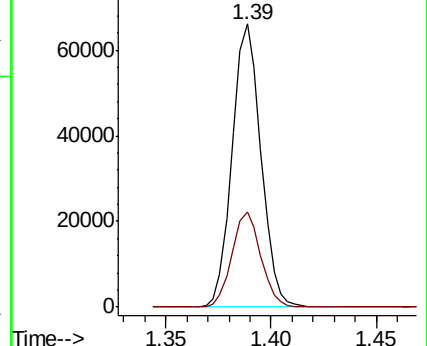
85 100

87 33.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041712.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041712.D (-7) (-)



#3

Chloromethane

Concen: 4.581 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041727.D

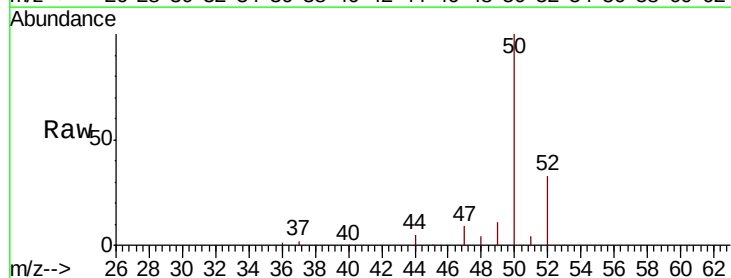
Acq: 22 Dec 2020 09:11

Tgt Ion: 50 Resp: 56773

Ion Ratio Lower Upper

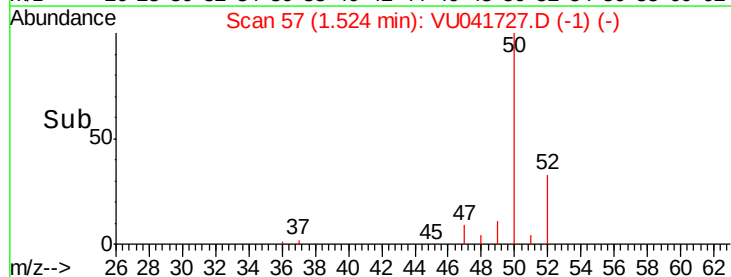
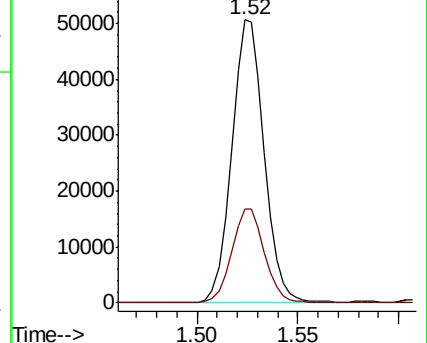
50 100

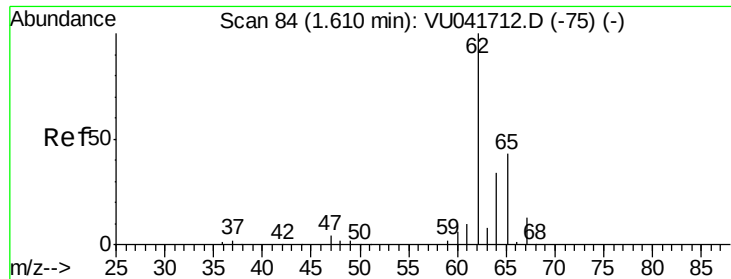
52 33.3 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041712.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041712.D (-49) (-)





#5

Vinyl chloride

Concen: 4.749 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

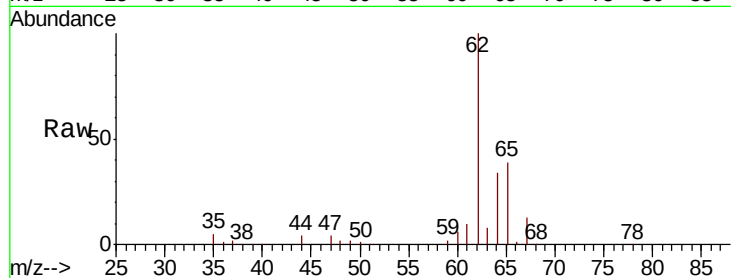
VSTD00524

Tot Ion: 62 Resp: 64987

Ion Ratio Lower Upper

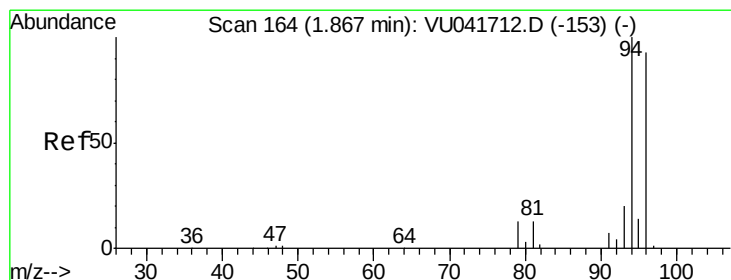
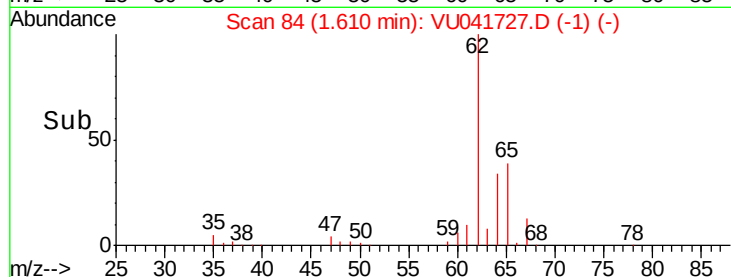
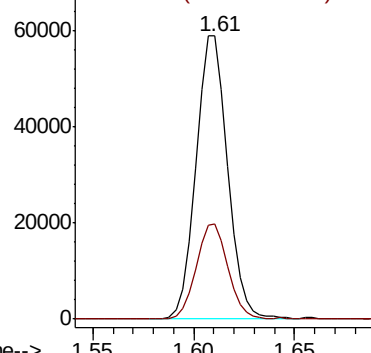
62 100

64 33.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.664 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041727.D

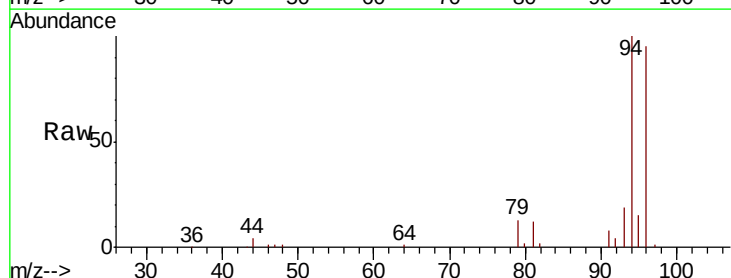
Acq: 22 Dec 2020 09:11

Tgt Ion: 94 Resp: 48462

Ion Ratio Lower Upper

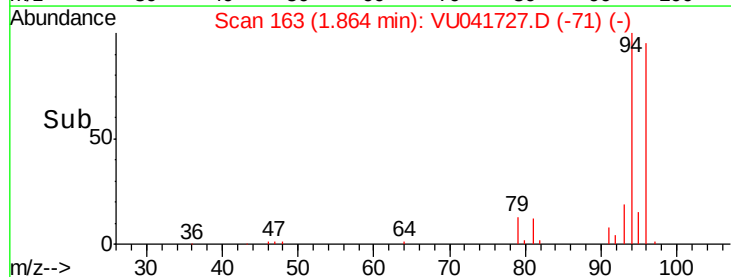
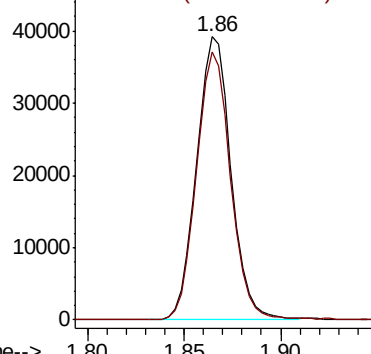
94 100

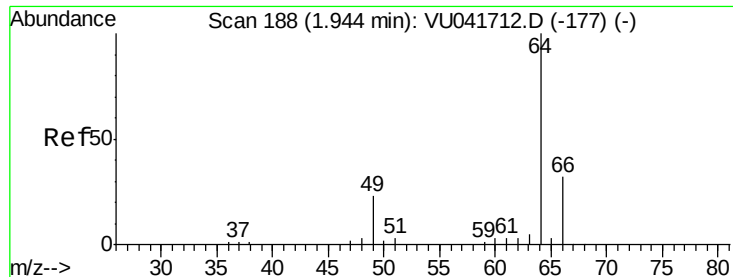
96 94.7 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

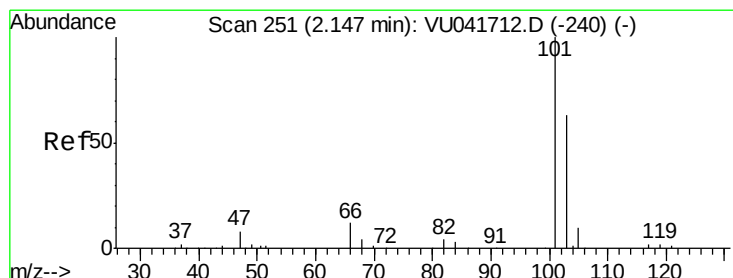
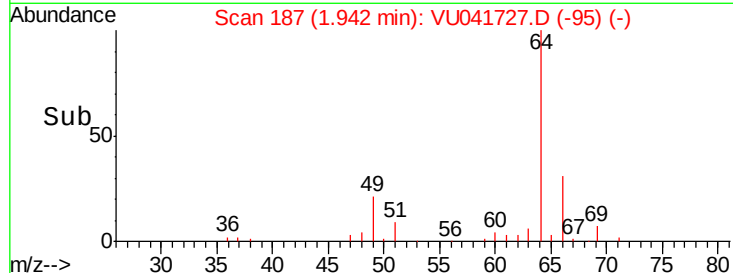
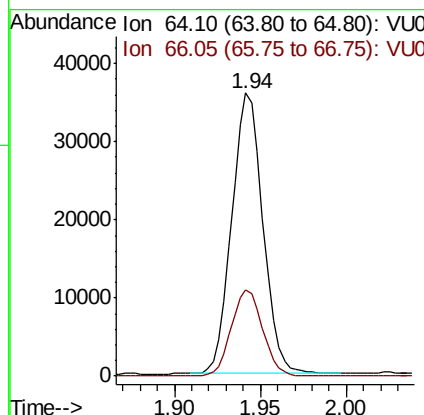
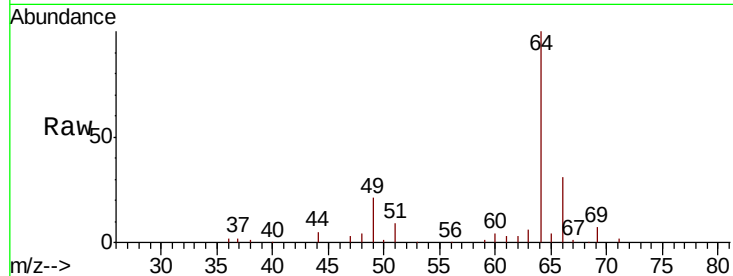




#8
 Chloroethane
 Concen: 4.858 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

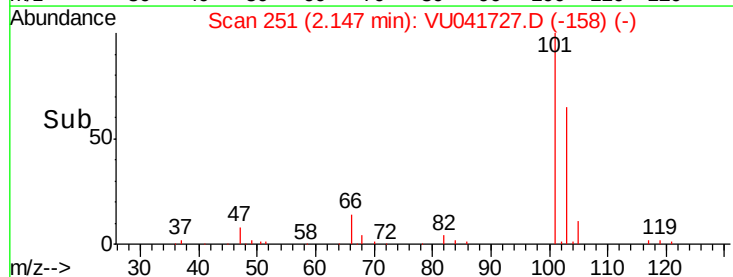
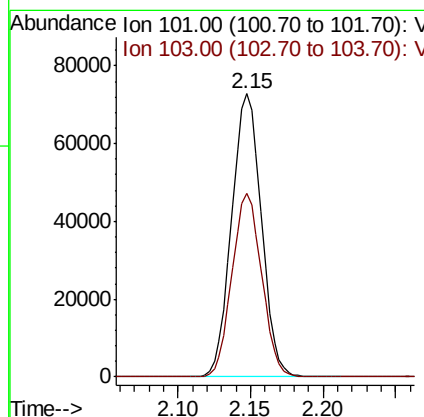
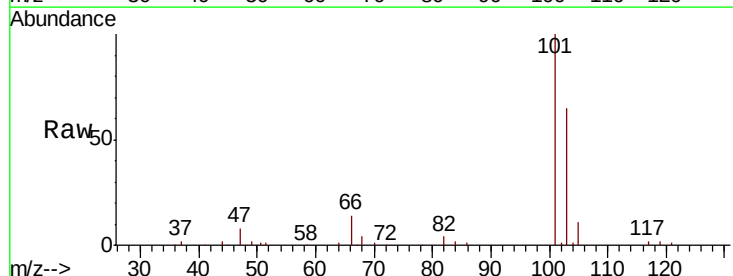
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

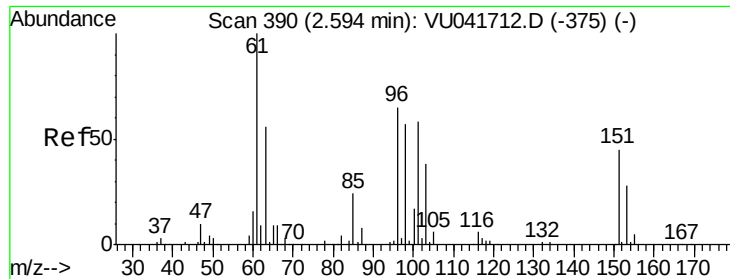
Tot Ion: 64 Resp: 45152
 Ion Ratio Lower Upper
 64 100
 66 30.6 21.6 40.0



#9
 Trichlorofluoromethane
 Concen: 5.983 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion: 101 Resp: 103632
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.1 76.7





#10

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

Concen: 5.621 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

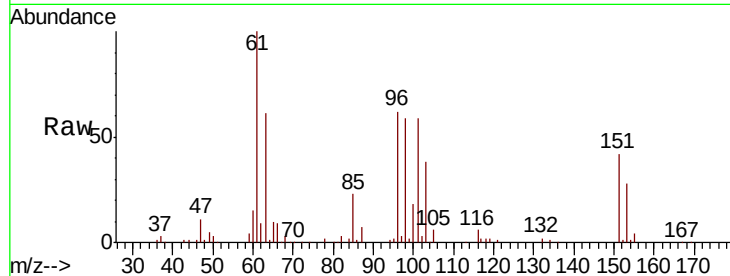
Tot Ion:101 Resp: 58223

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

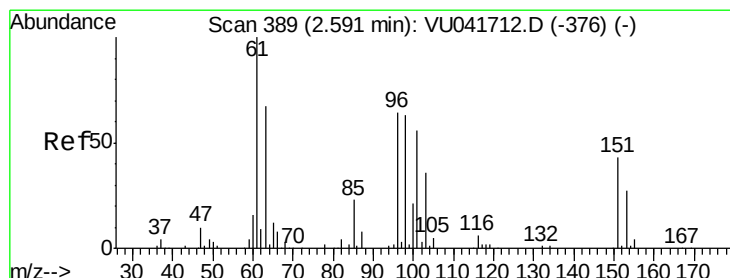
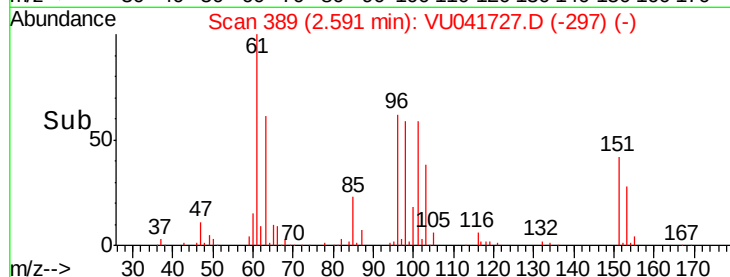
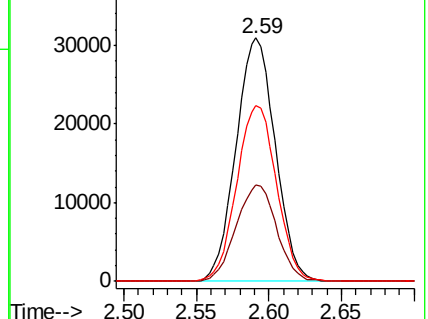
151 73.3 56.2 84.4



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: 5.275 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

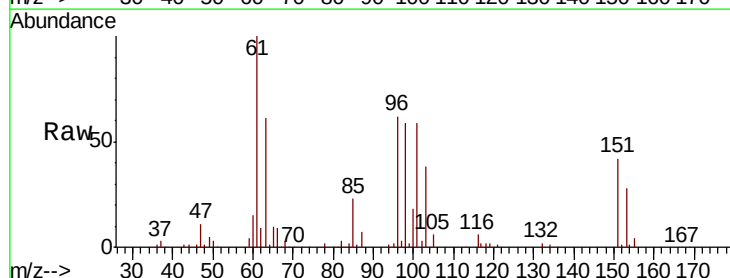
Tgt Ion: 96 Resp: 53876

Ion Ratio Lower Upper

96 100

61 160.2 123.8 230.0

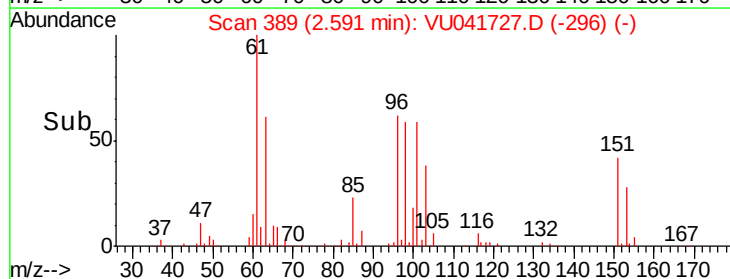
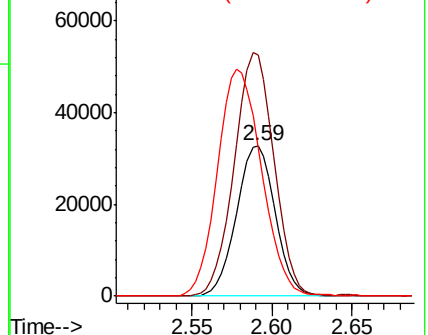
63 98.5 81.0 150.4

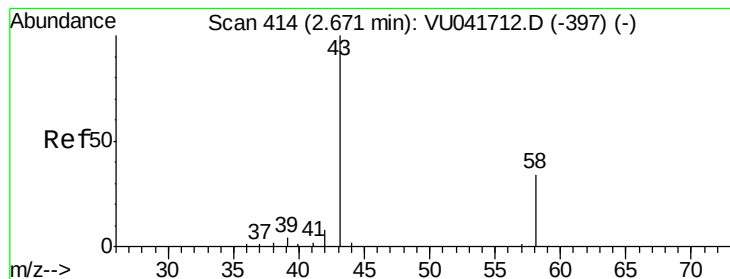


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.506 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

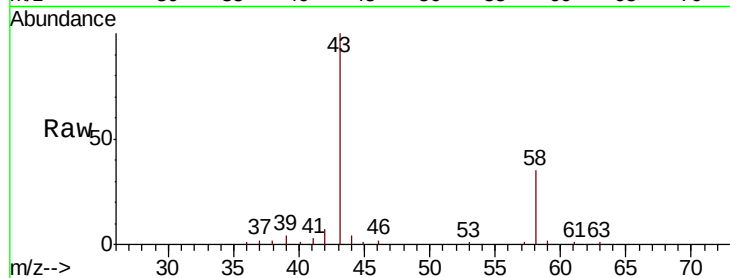
VSTD00524

Tot Ion: 43 Resp: 100025

Ion Ratio Lower Upper

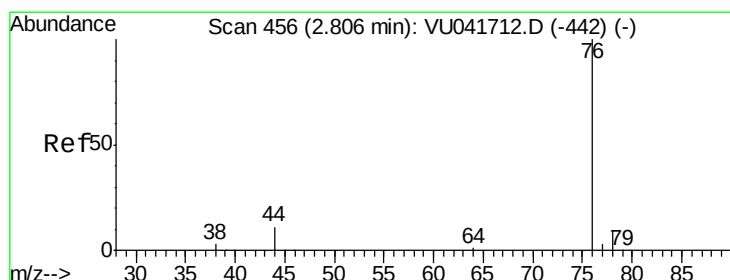
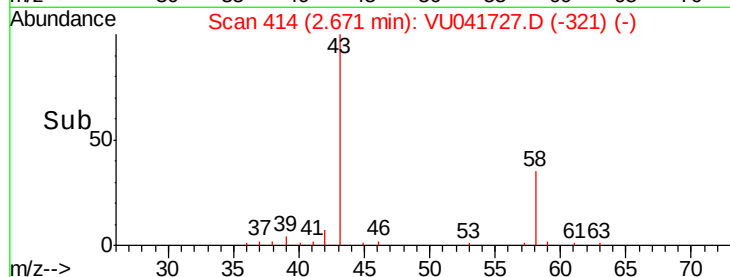
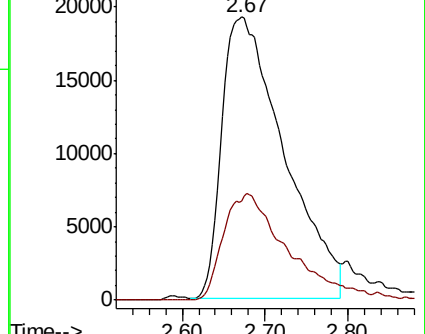
43 100

58 38.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.601 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041727.D

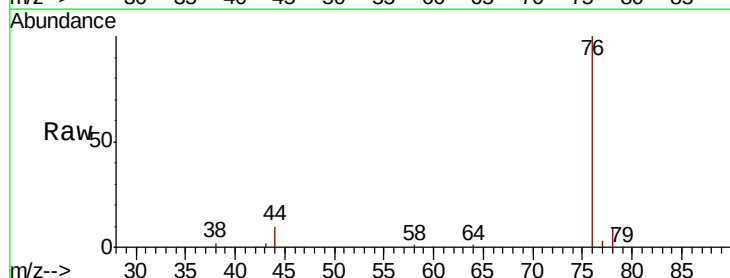
Acq: 22 Dec 2020 09:11

Tgt Ion: 76 Resp: 162419

Ion Ratio Lower Upper

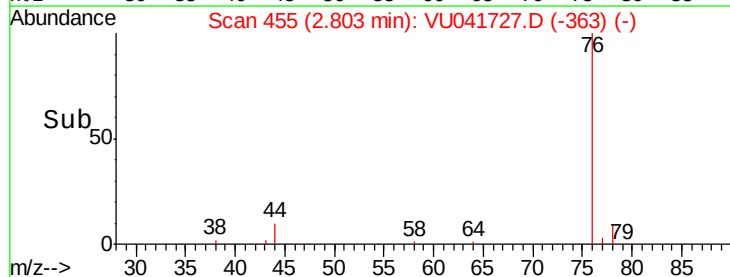
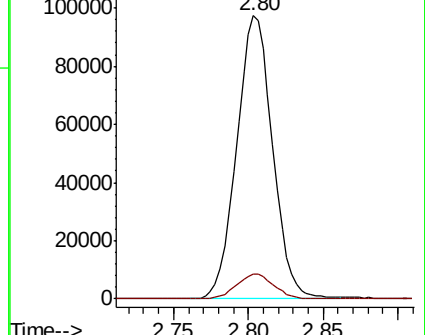
76 100

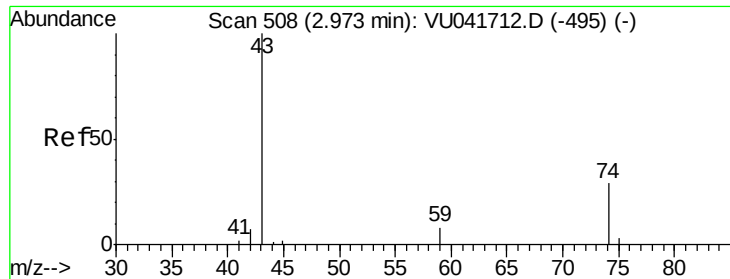
78 8.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

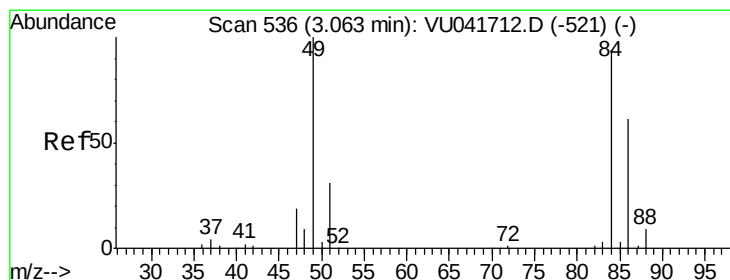
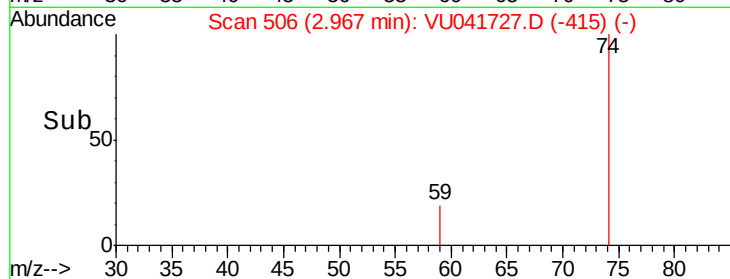
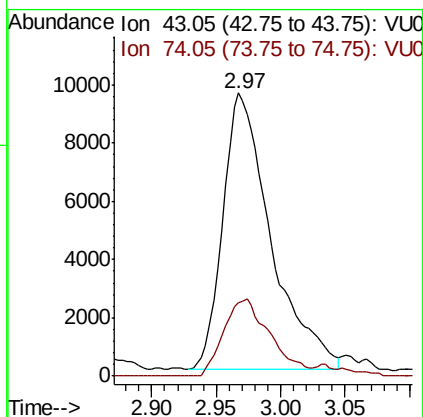
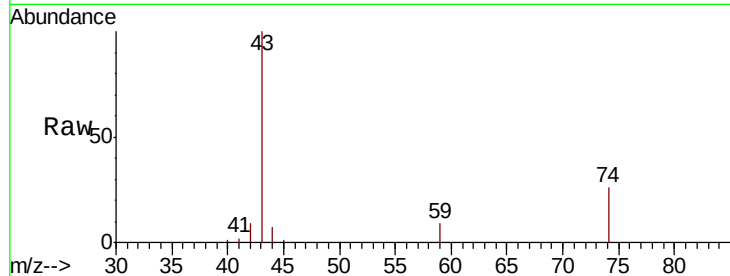




#15
Methvl Acetate
Concen: 4.409 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

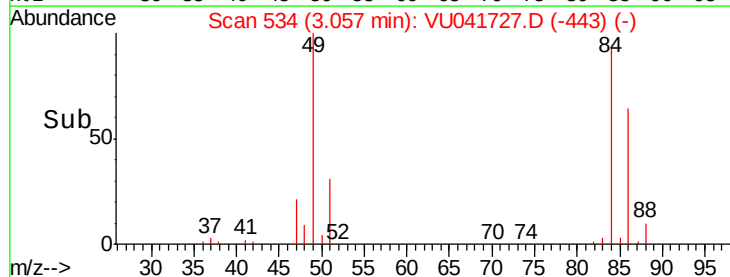
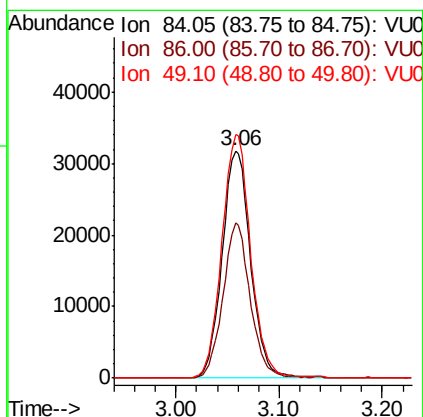
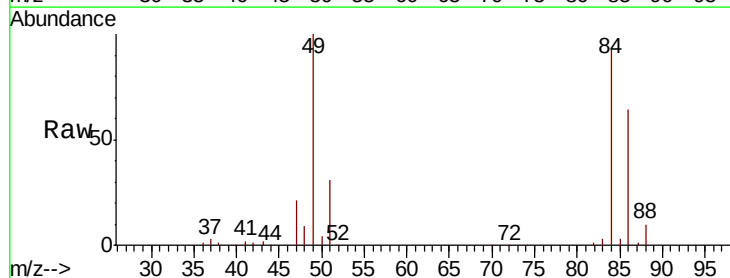
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

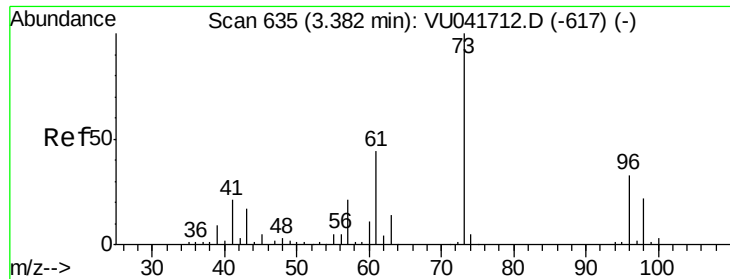
Tot Ion: 43 Resp: 24655
Ion Ratio Lower Upper
43 100
74 27.1 19.2 28.8



#16
Methylene chloride
Concen: 5.012 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion: 84 Resp: 61145
Ion Ratio Lower Upper
84 100
86 68.3 45.1 83.7
49 107.2 83.1 154.3

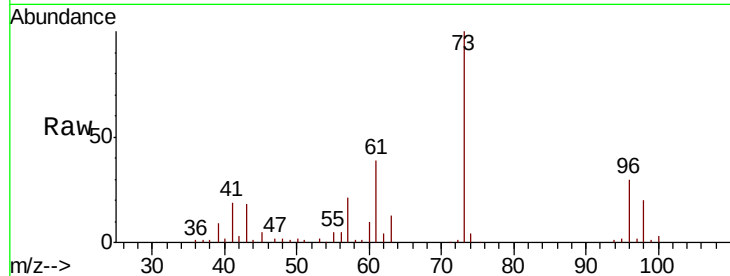




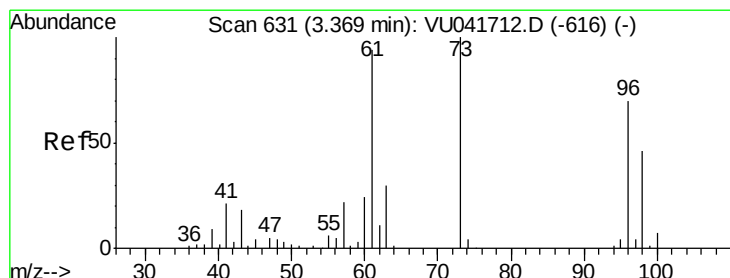
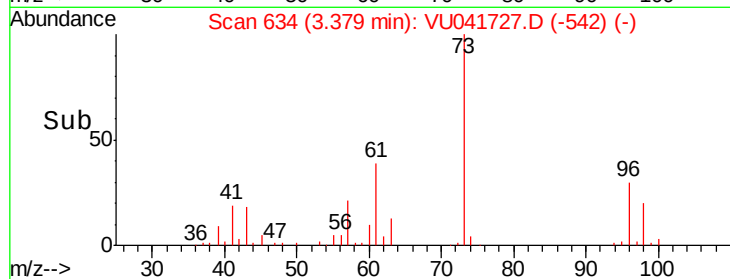
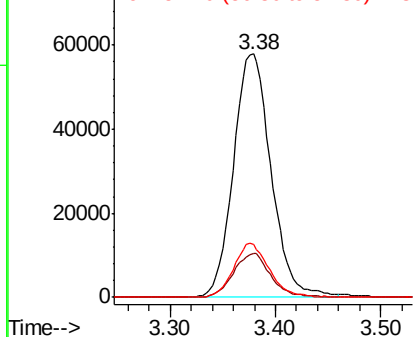
#17
Methyl tert-butyl Ether
Concen: 5.262 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 73 Resp: 143409
Ion Ratio Lower Upper
73 100
43 17.9 14.7 22.1
57 20.8 18.2 27.4

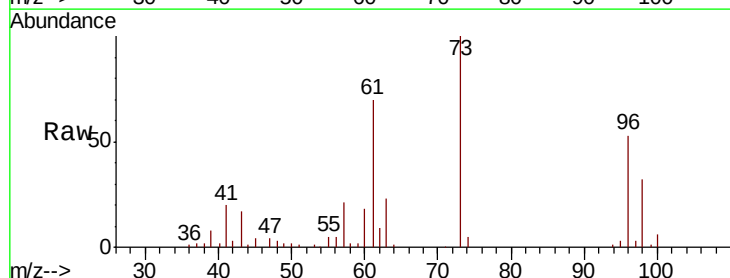


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

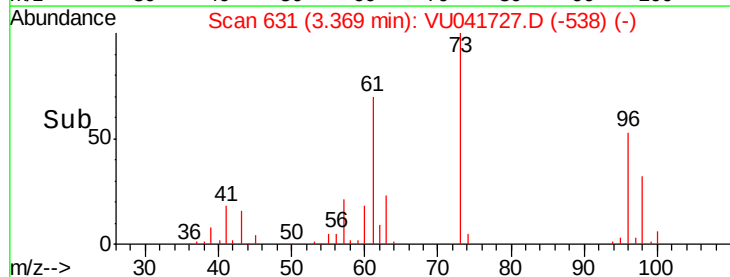
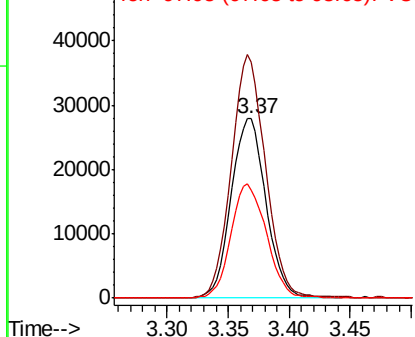


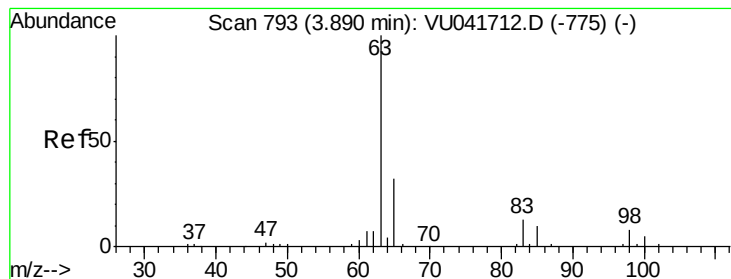
#18
trans-1,2-Dichloroethene
Concen: 5.248 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion: 96 Resp: 55448
Ion Ratio Lower Upper
96 100
61 131.3 101.8 189.0
98 60.2 44.4 82.5



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





#19

1,1-Dichloroethane

Concen: 5.023 ug/L

RT: 3.88 min Scan# 791

Delta R.T. -0.01 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

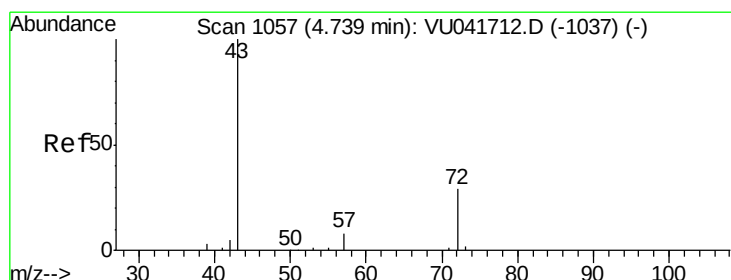
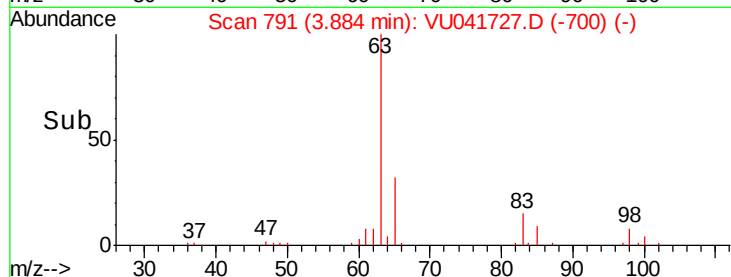
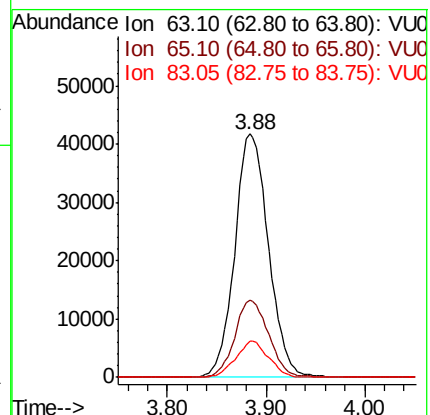
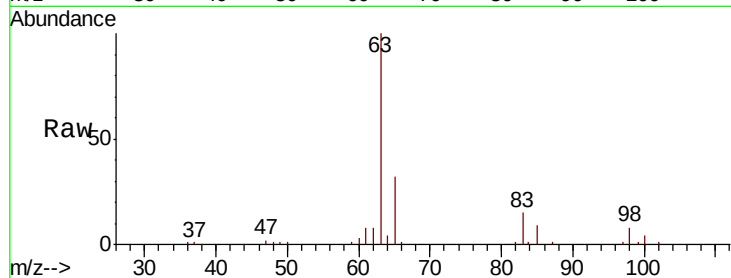
Tot Ion: 63 Resp: 99192

Ion Ratio Lower Upper

63 100

65 31.7 21.3 39.6

83 14.7 9.3 17.3



#21

2-Butanone

Concen: 51.694 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041727.D

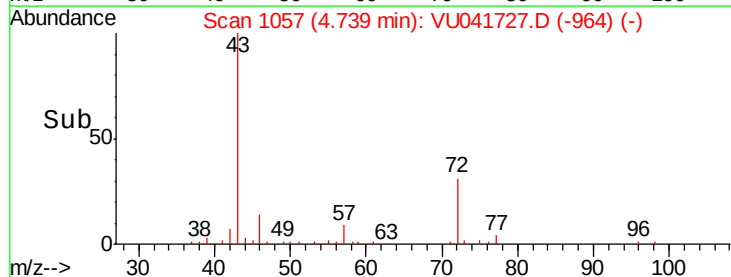
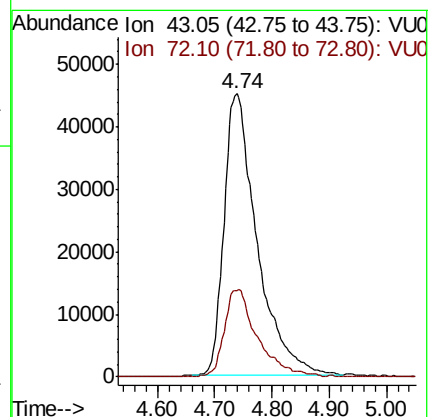
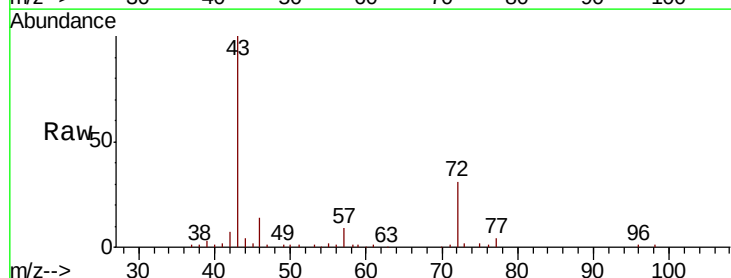
Acq: 22 Dec 2020 09:11

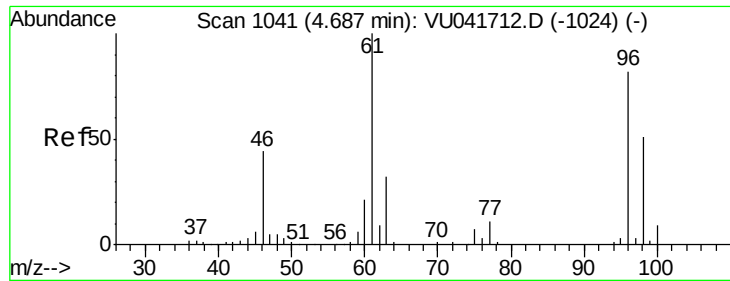
Tgt Ion: 43 Resp: 181100

Ion Ratio Lower Upper

43 100

72 30.2 14.6 44.0

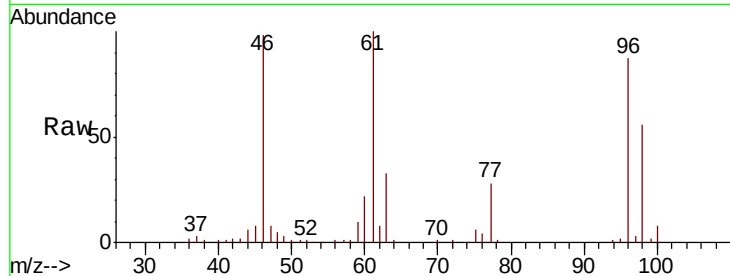




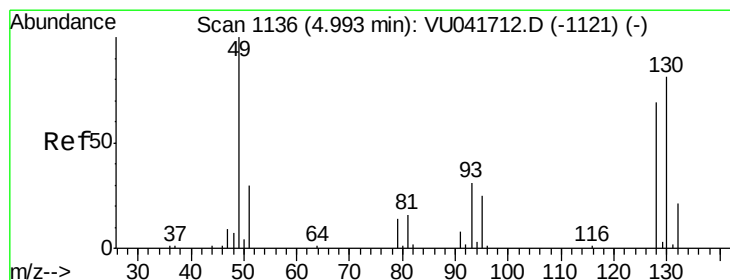
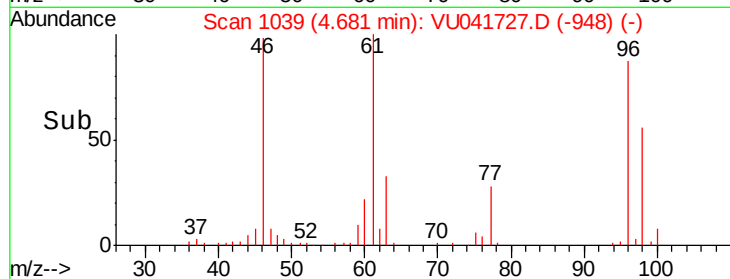
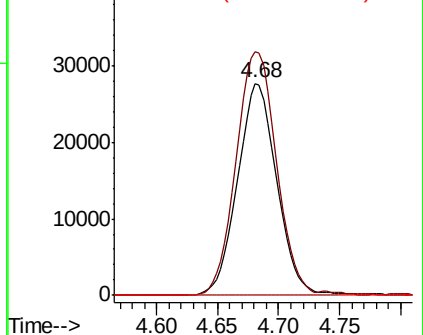
#22
 cis-1,2-Dichloroethene
 Concen: 5.282 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 96 Resp: 61675
 Ion Ratio Lower Upper
 96 100
 61 114.7 88.8 165.0
 68 0.0 0.0 0.0

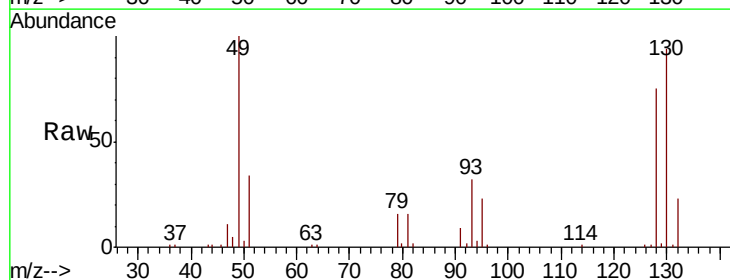


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

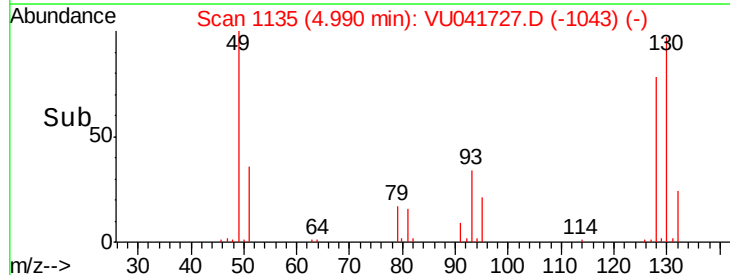
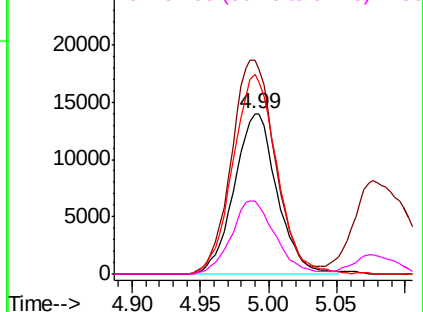


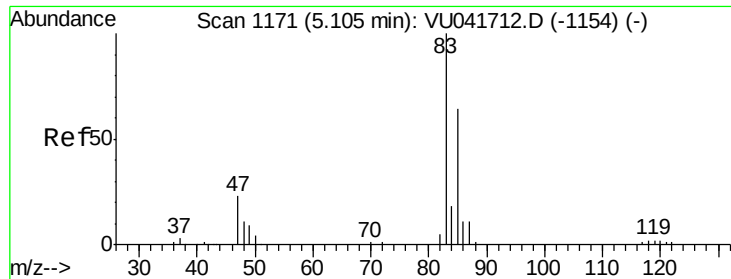
#23
 Bromochloromethane
 Concen: 5.668 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion: 128 Resp: 30403
 Ion Ratio Lower Upper
 128 100
 49 132.9 109.3 203.1
 130 124.3 84.8 157.6
 51 45.4 40.6 61.0



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

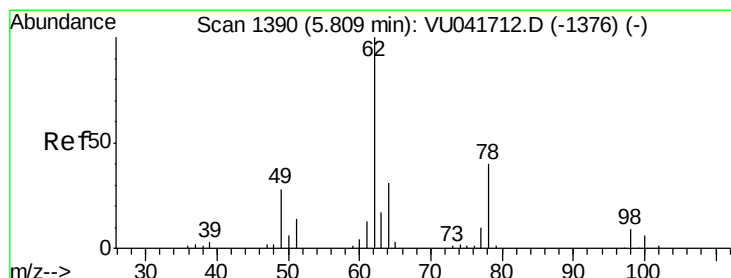
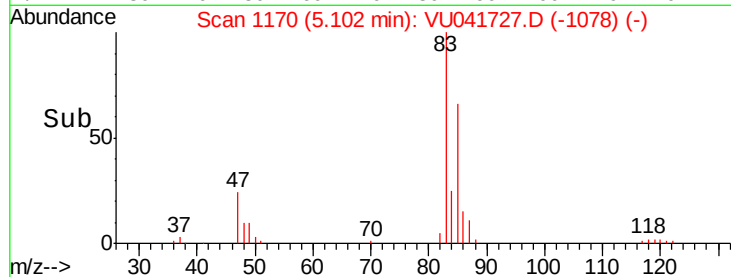
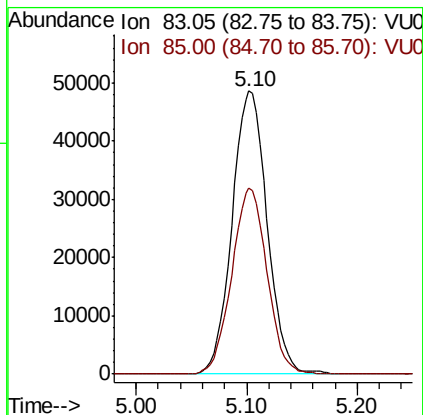
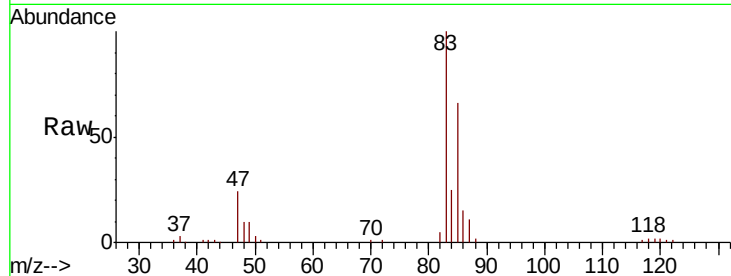




#25
Chloroform
Concen: 5.377 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

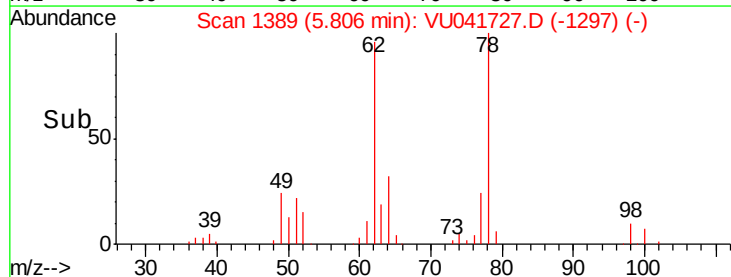
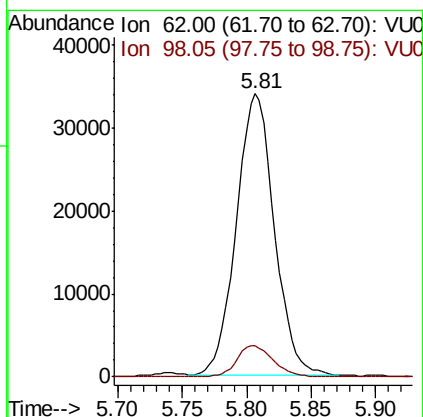
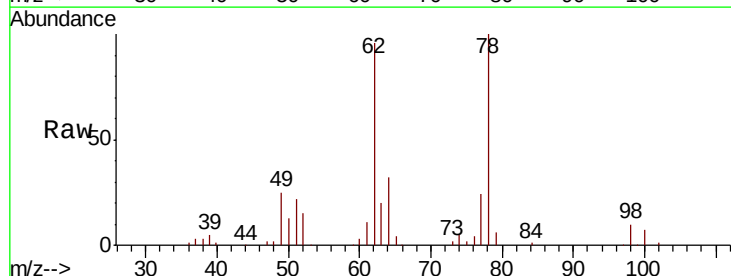
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

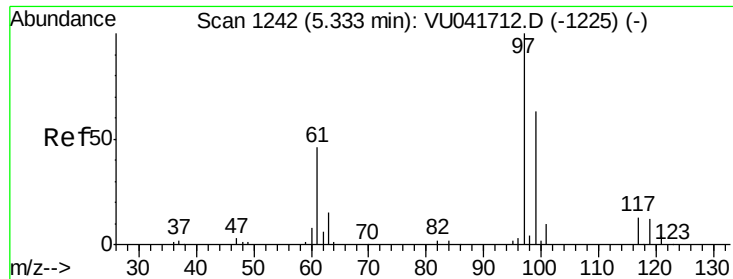
Tot Ion: 83 Resp: 106911
Ion Ratio Lower Upper
83 100
85 66.0 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.150 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion: 62 Resp: 69350
Ion Ratio Lower Upper
62 100
98 10.9 8.2 12.2

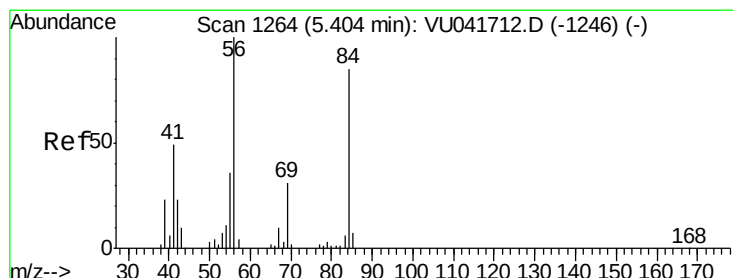
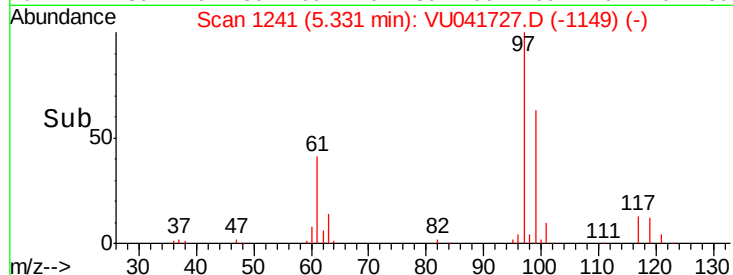
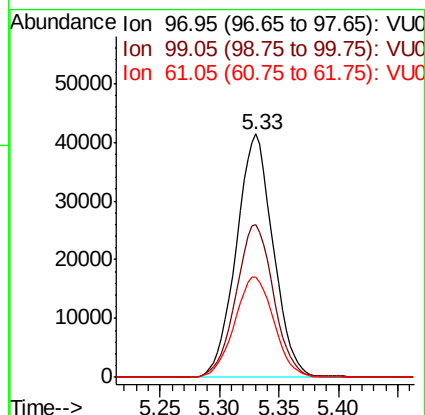
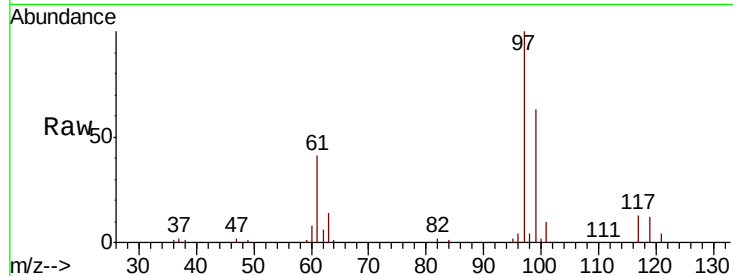




#29
 1,1,1-Trichloroethane
 Concen: 5.351 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

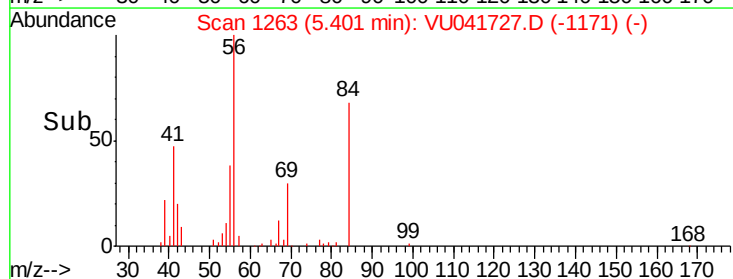
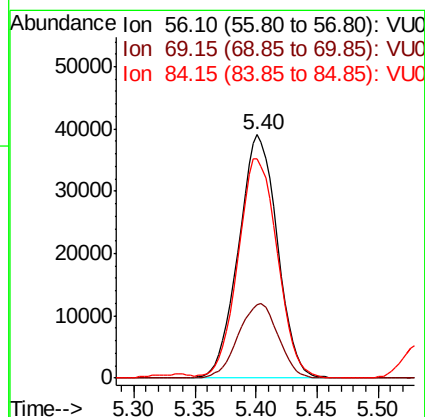
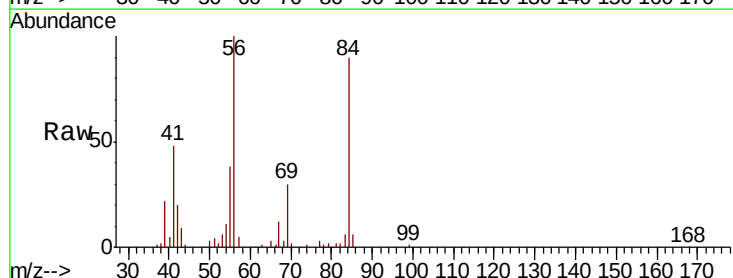
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

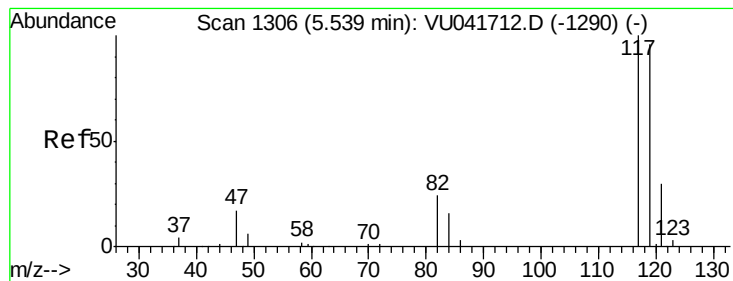
Tot Ion: 97 Resp: 88879
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 43.7 36.5 54.7



#30
 Cyclohexane
 Concen: 4.605 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion: 56 Resp: 85739
 Ion Ratio Lower Upper
 56 100
 69 31.6 23.8 35.8
 84 92.2 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.509 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

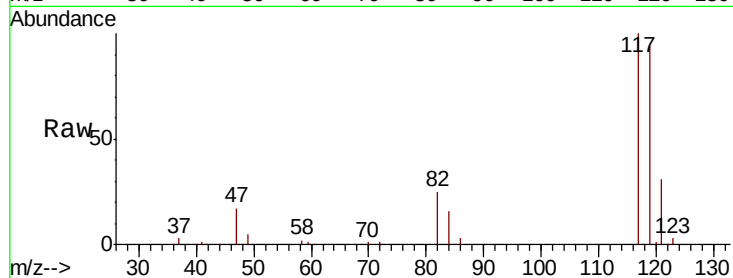
VSTD00524

Tot Ion:117 Resp: 79119

Ion Ratio Lower Upper

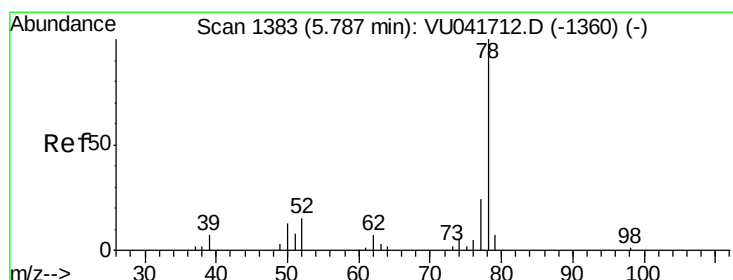
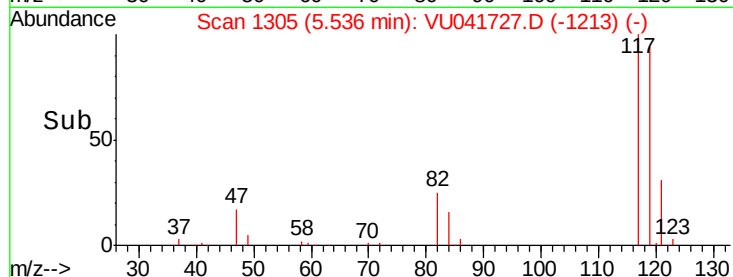
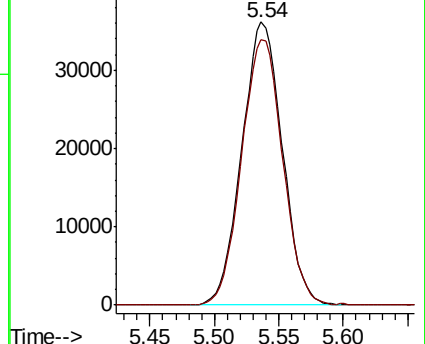
117 100

119 95.0 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.056 ug/L

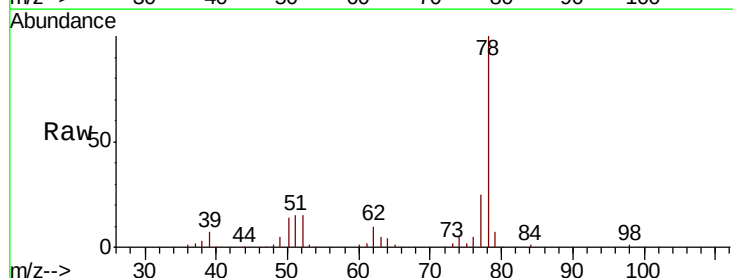
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

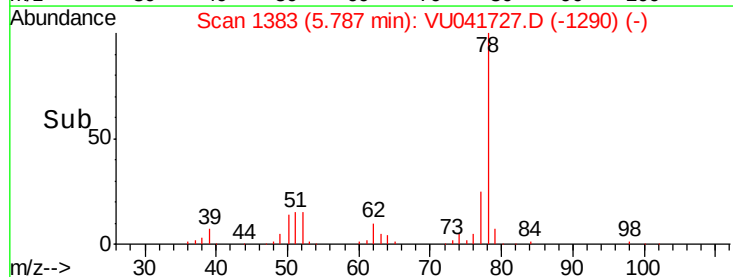
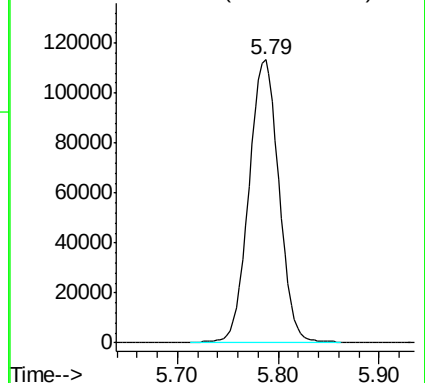
Lab File: VU041727.D

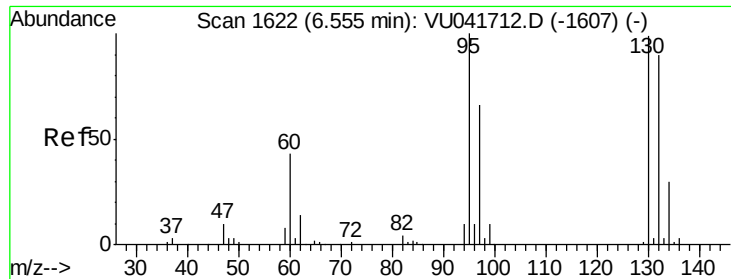
Acq: 22 Dec 2020 09:11

Tgt Ion: 78 Resp: 233860



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.204 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 95 Resp: 60491

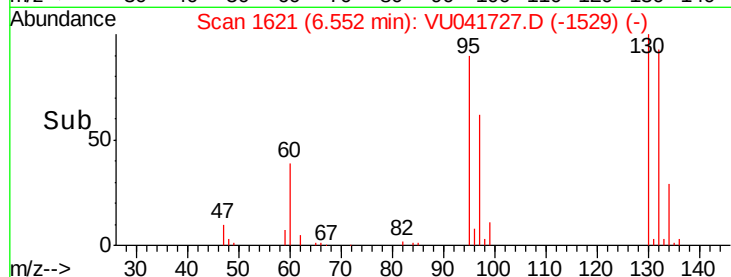
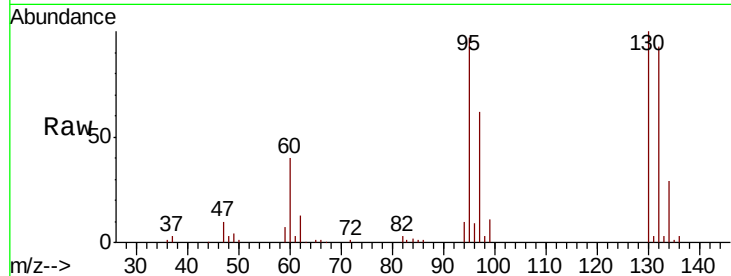
Ion Ratio Lower Upper

95 100

97 63.5 43.9 81.5

132 96.4 63.1 117.3

130 103.1 67.4 125.2

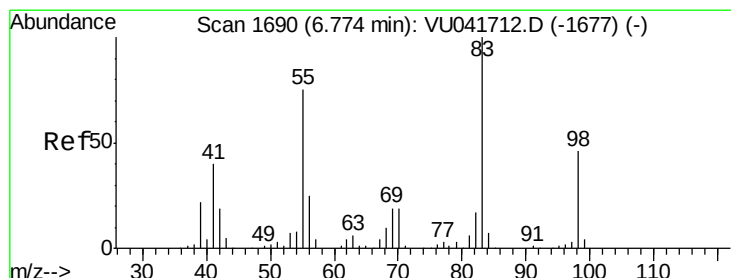
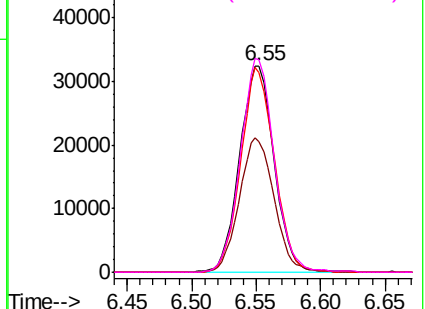


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.899 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

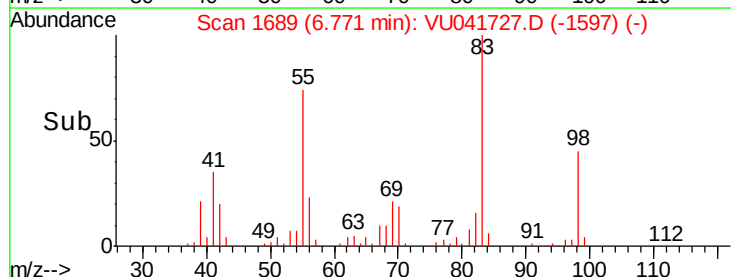
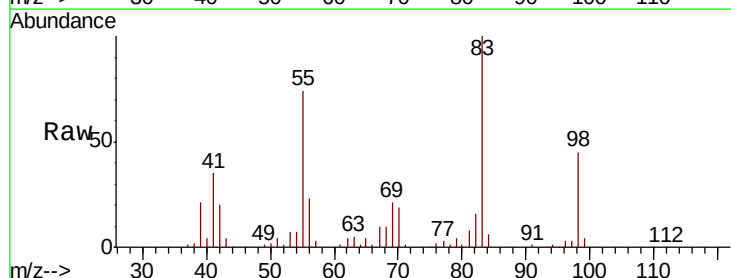
Tgt Ion: 83 Resp: 92049

Ion Ratio Lower Upper

83 100

55 76.1 61.2 91.8

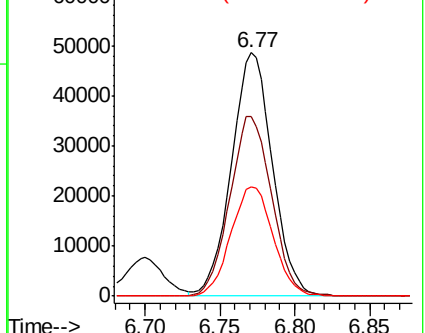
98 46.8 36.6 54.8

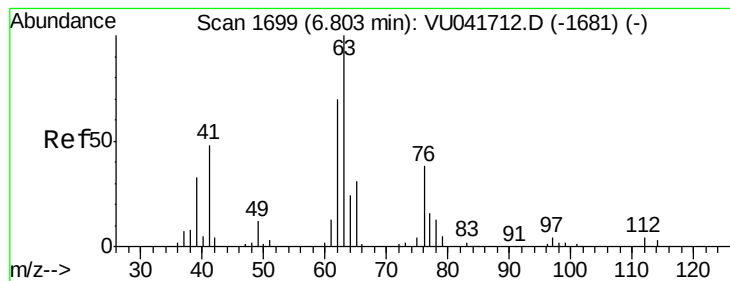


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.043 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

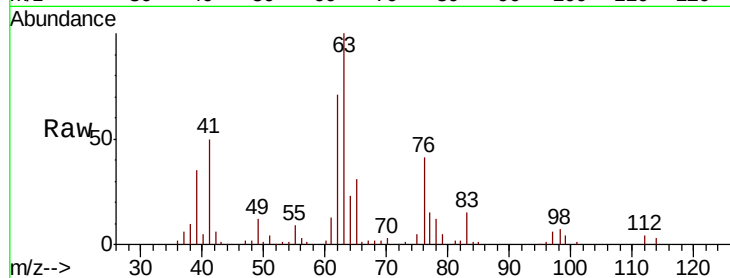
VSTD00524

Tot Ion: 63 Resp: 59661

Ion Ratio Lower Upper

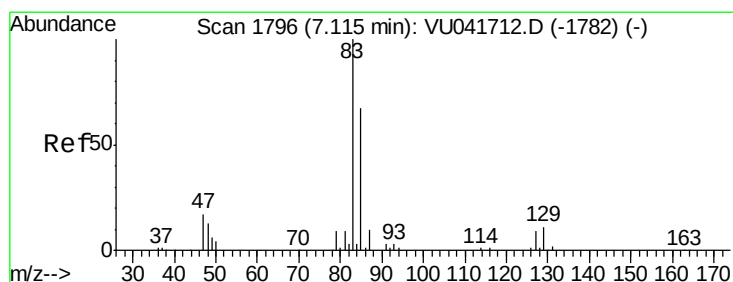
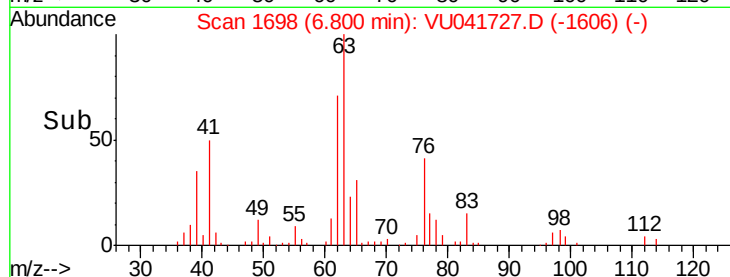
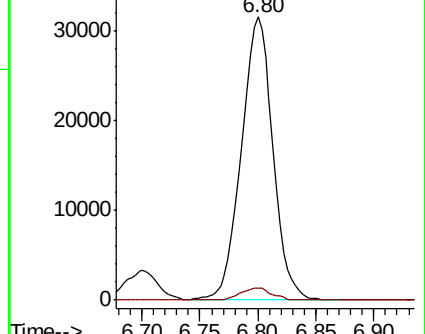
63 100

112 4.2 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041712.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041712.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.310 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

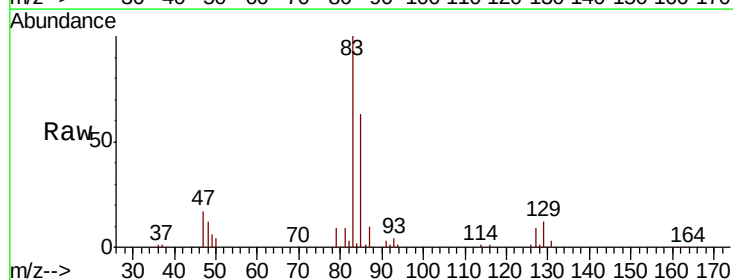
Tgt Ion: 83 Resp: 78159

Ion Ratio Lower Upper

83 100

85 63.2 45.5 84.5

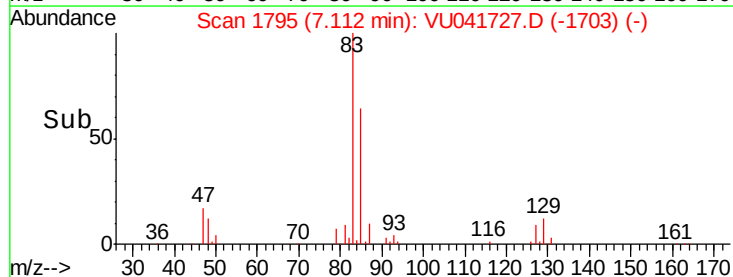
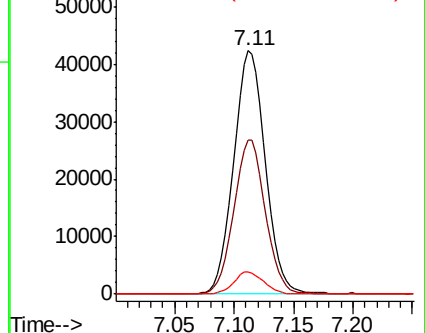
127 9.0 7.0 10.6

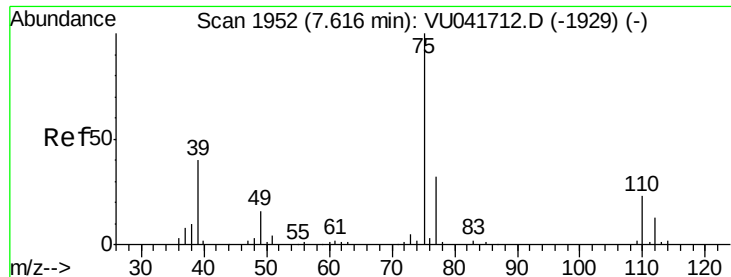


Abundance Ion 82.95 (82.65 to 83.65): VU041712.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU041712.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU041712.D (-1782) (-)

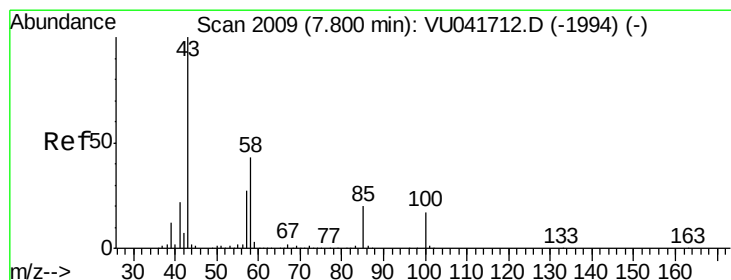
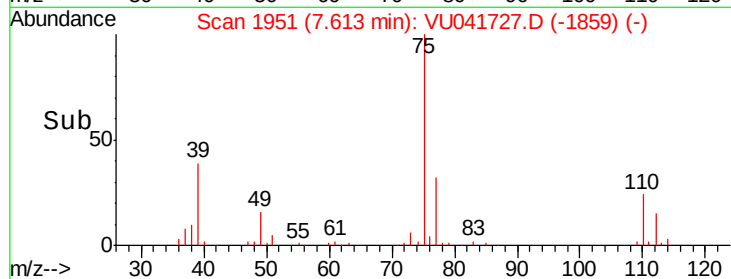
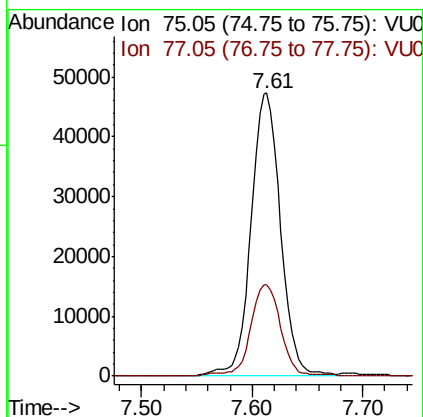
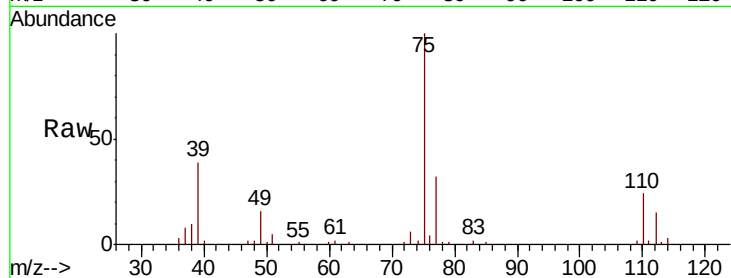




#39
 cis-1,3-Dichloropropene
 Concen: 4.999 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

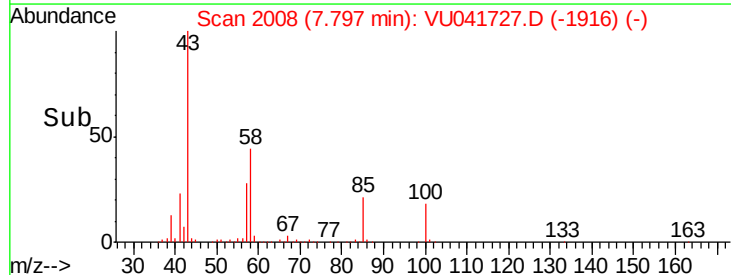
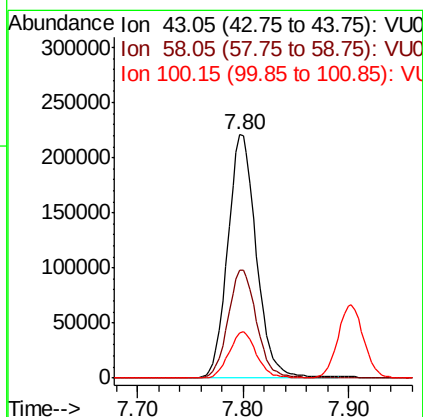
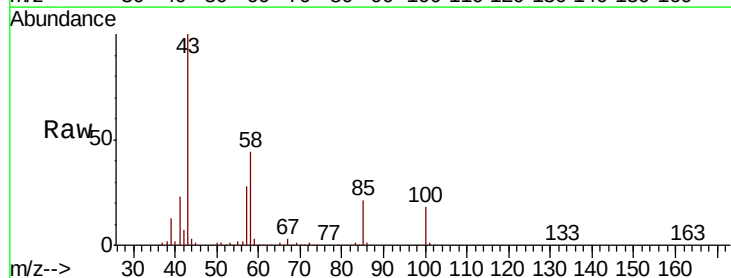
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

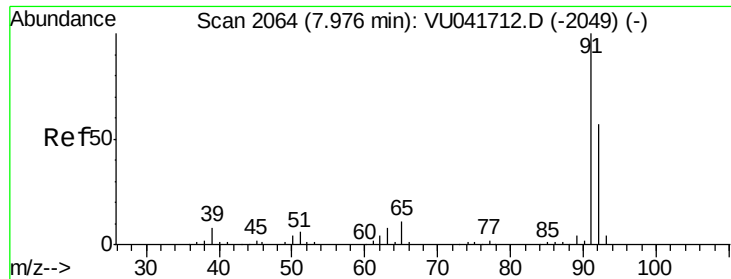
Tot Ion: 75 Resp: 87648
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.051 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion: 43 Resp: 412971
 Ion Ratio Lower Upper
 43 100
 58 44.4 34.2 51.2
 100 18.3 12.3 18.5





#42

Toluene

Concen: 5.248 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

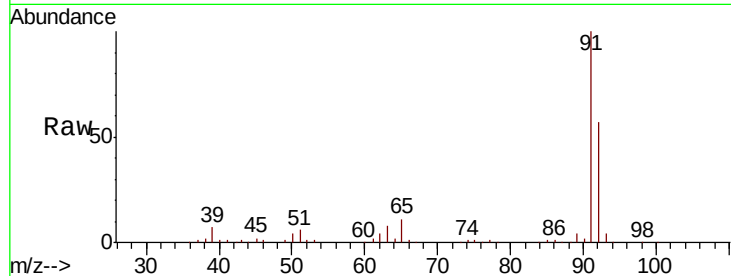
VSTD00524

Tot Ion: 91 Resp: 250647

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

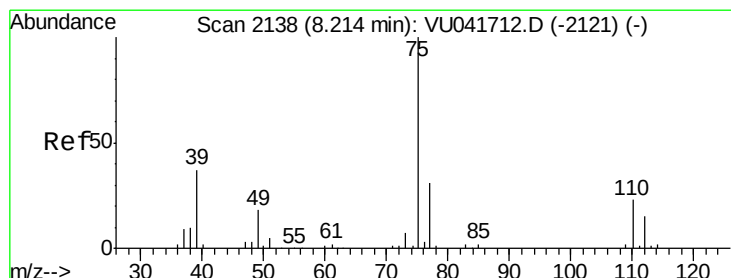
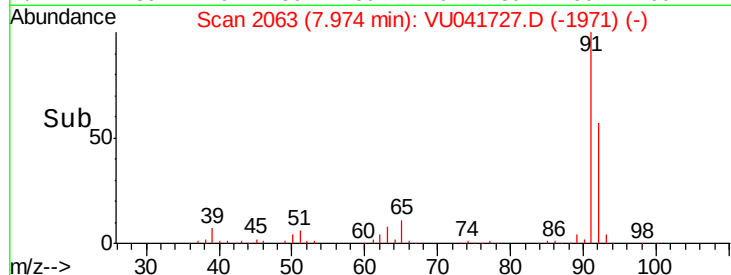
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.048 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041727.D

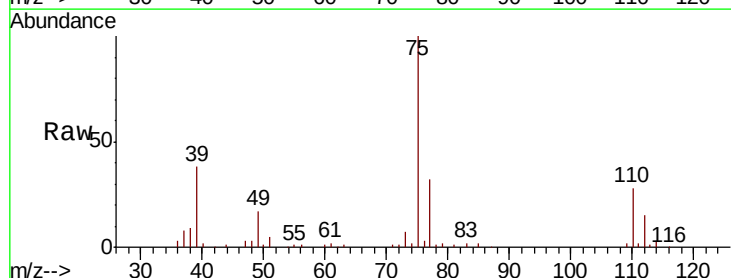
Acq: 22 Dec 2020 09:11

Tgt Ion: 75 Resp: 79150

Ion Ratio Lower Upper

75 100

77 32.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

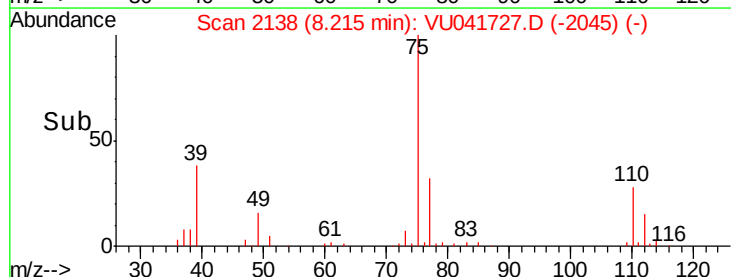
30000

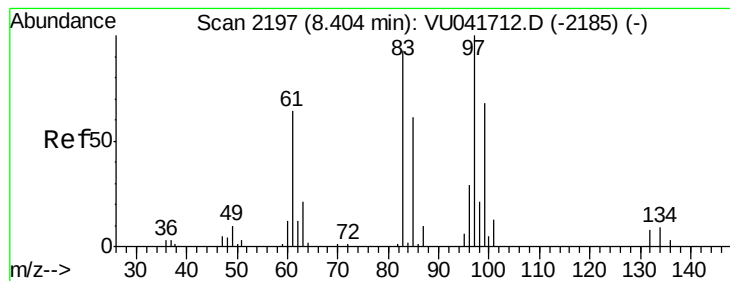
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.494 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 97 Resp: 48076

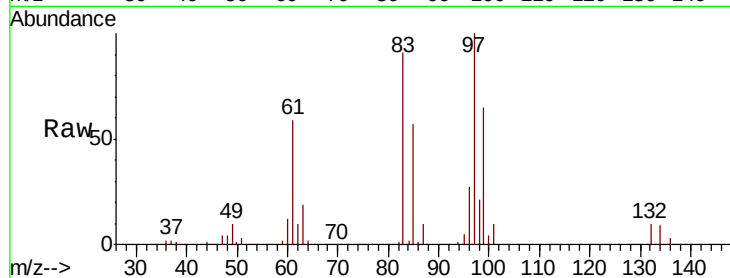
Ion Ratio Lower Upper

97 100

99 64.9 42.1 78.3

83 91.3 62.6 116.2

85 57.2 39.1 72.7

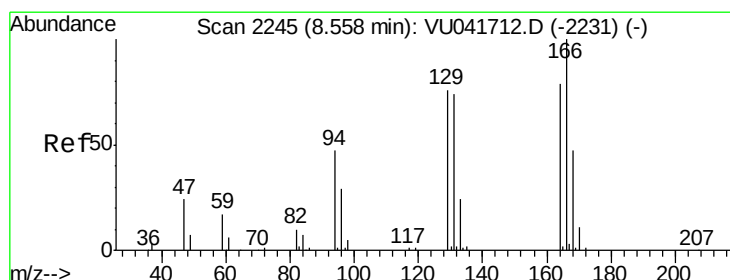
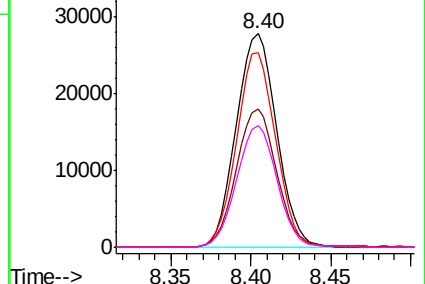
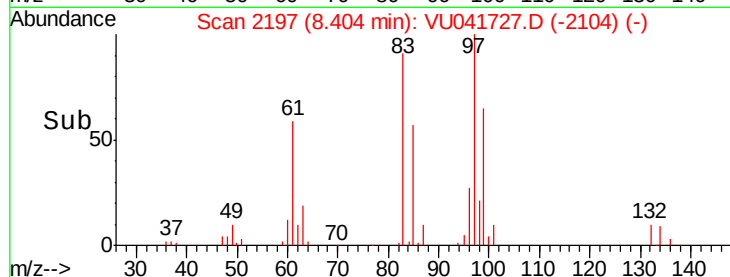


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.695 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Tgt Ion:164 Resp: 46338

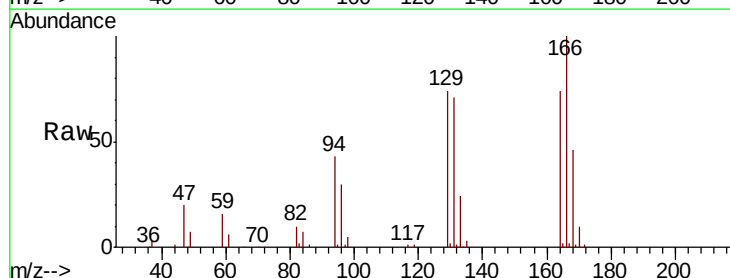
Ion Ratio Lower Upper

164 100

129 100.2 72.2 134.0

131 96.3 66.9 124.3

166 135.2 89.6 166.4

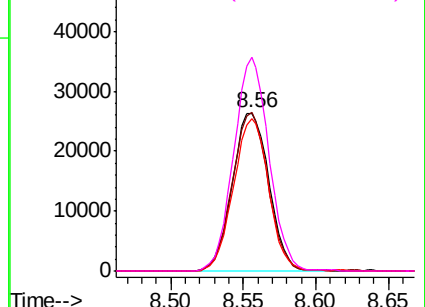
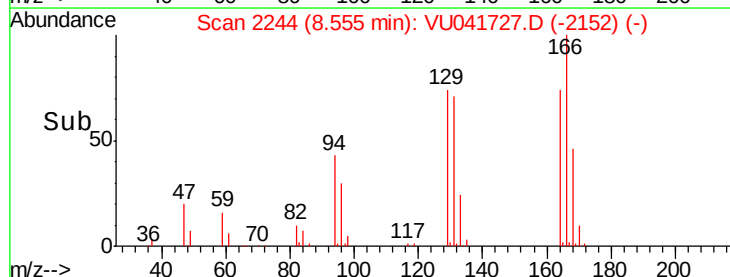


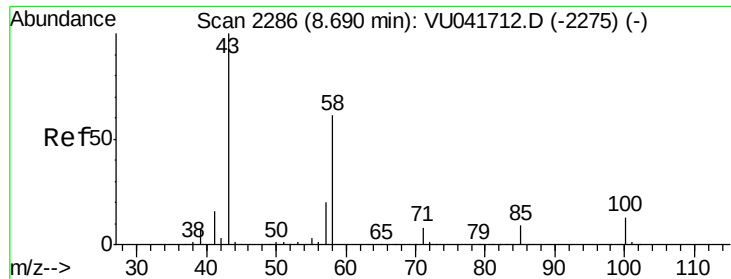
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

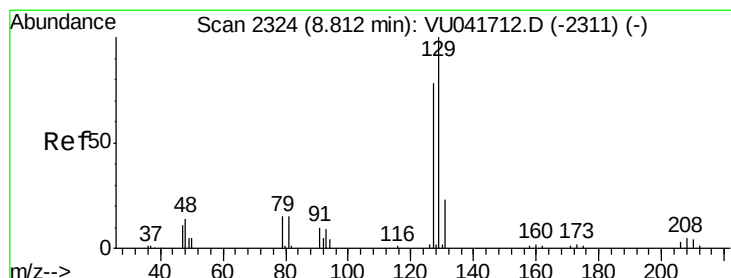
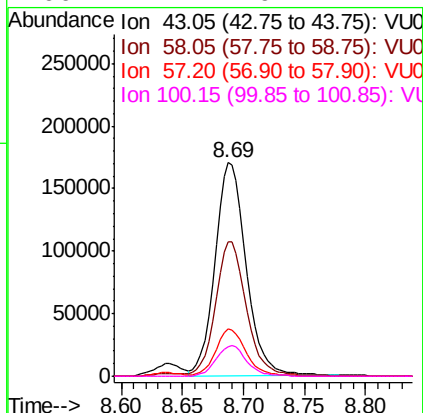
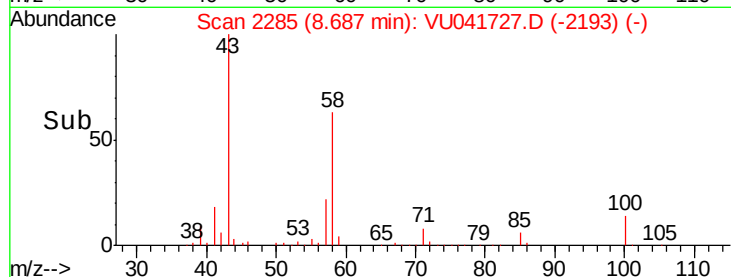
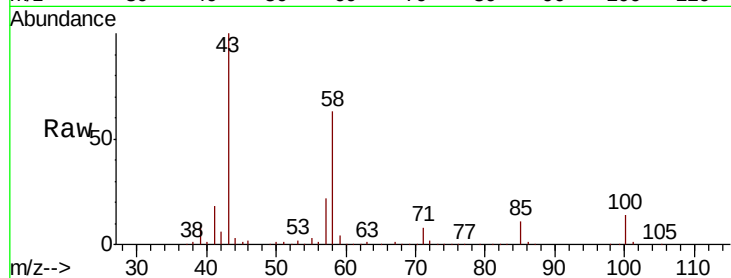




#48
2-Hexanone
Concen: 49.834 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

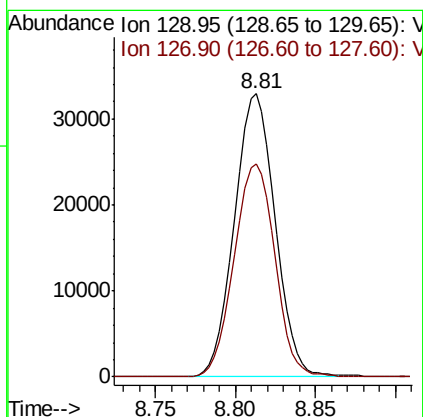
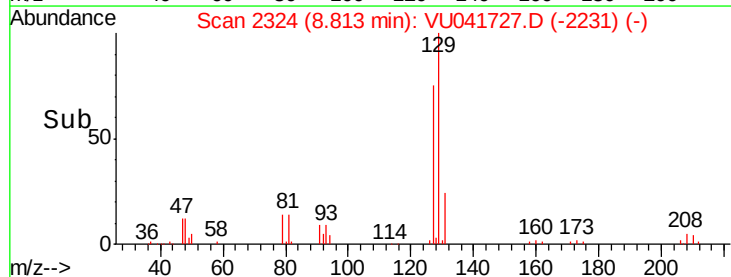
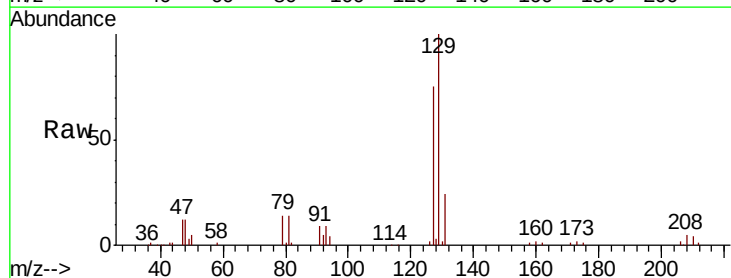
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

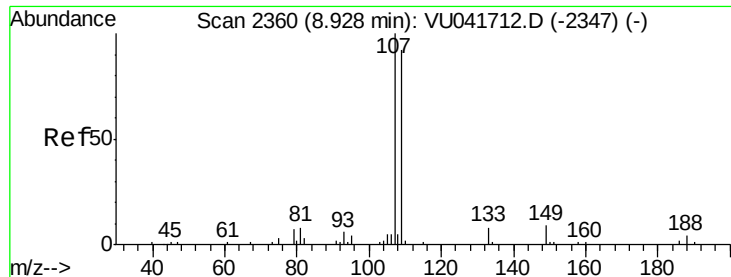
Tot Ion: 43 Resp: 305343
Ion Ratio Lower Upper
43 100
58 62.6 47.9 71.9
57 21.7 16.5 24.7
100 14.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.695 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion: 129 Resp: 57240
Ion Ratio Lower Upper
129 100
127 75.2 54.7 101.7

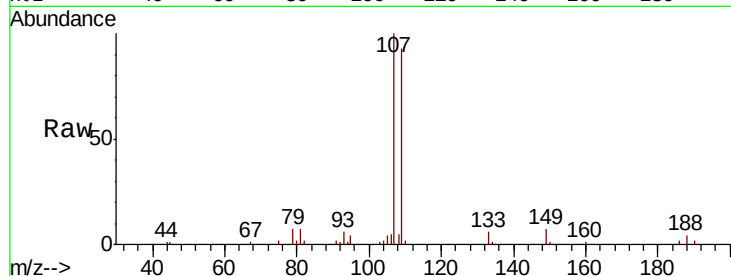




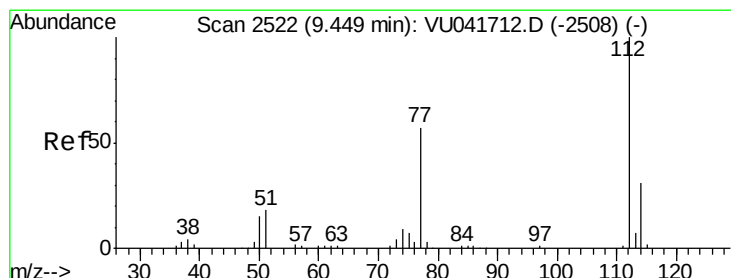
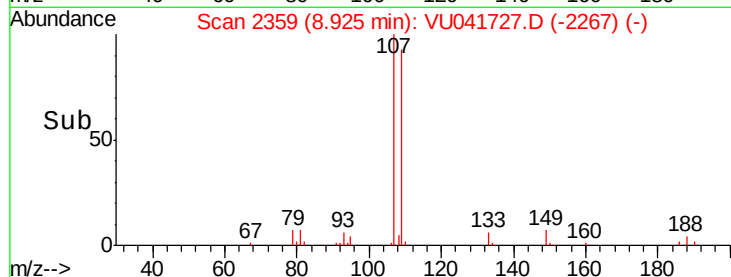
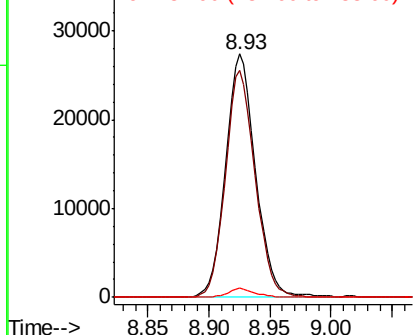
#50
1,2-Dibromoethane
Concen: 5.443 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:107 Resp: 47114
Ion Ratio Lower Upper
107 100
109 93.3 65.6 121.8
188 3.7 2.6 4.0

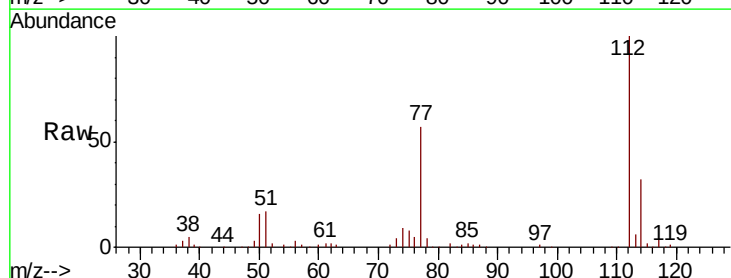


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

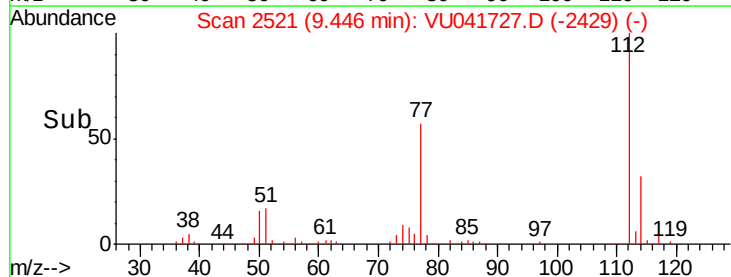
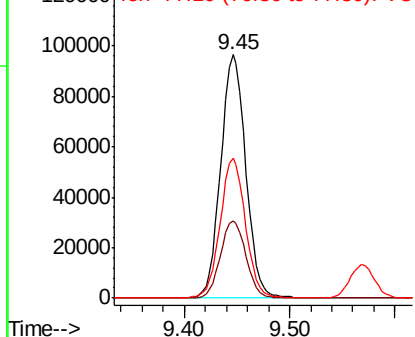


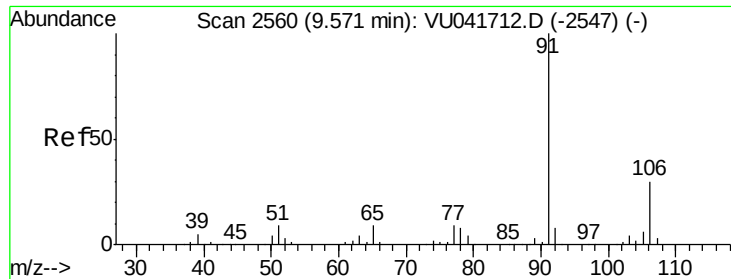
#51
Chlorobenzene
Concen: 5.347 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion:112 Resp: 158725
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 57.5 49.1 73.7



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: 5.049 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

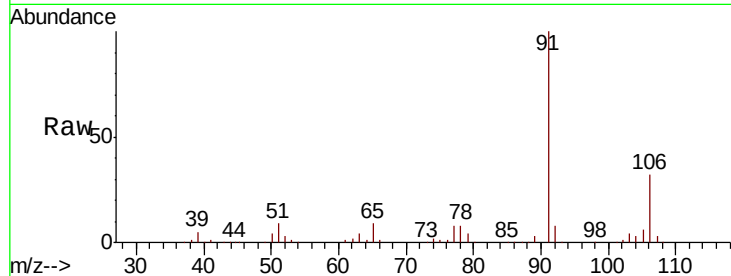
VSTD00524

Tot Ion: 91 Resp: 256747

Ion Ratio Lower Upper

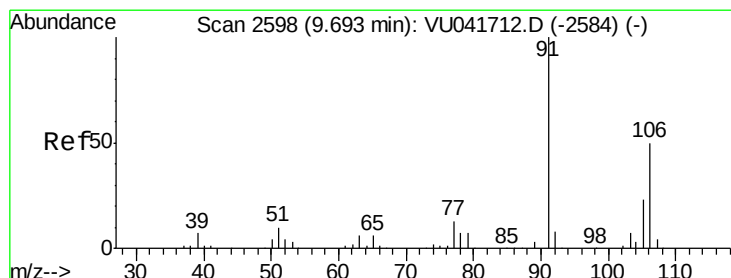
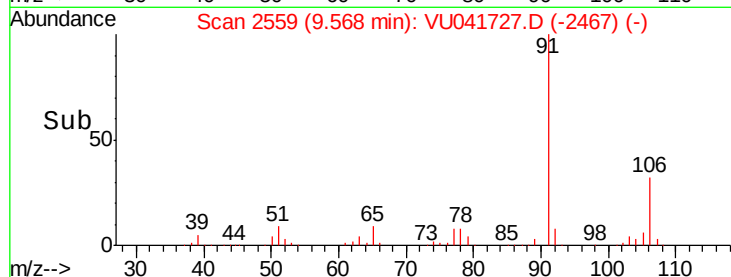
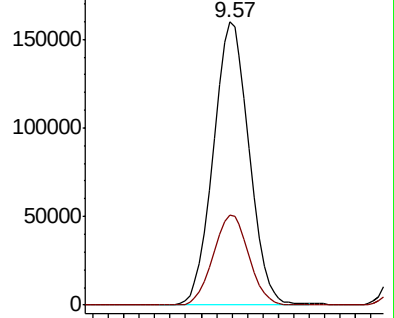
91 100

106 31.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041727.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041727.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.260 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041727.D

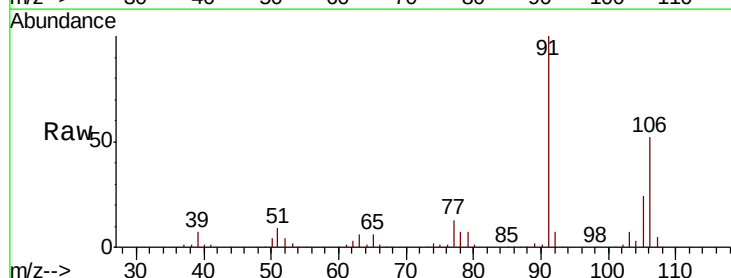
Acq: 22 Dec 2020 09:11

Tgt Ion: 106 Resp: 99762

Ion Ratio Lower Upper

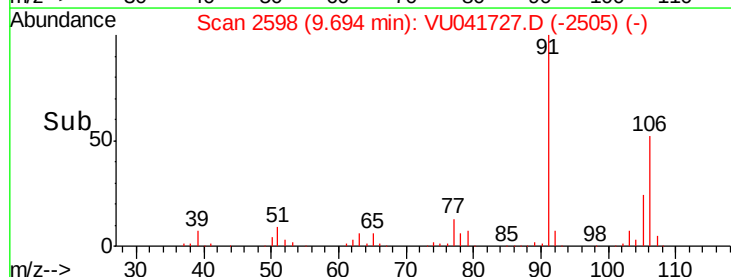
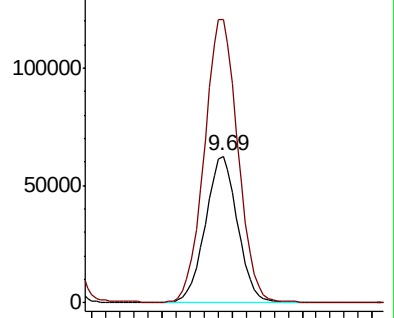
106 100

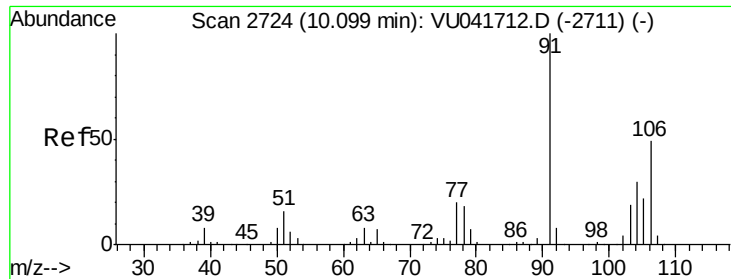
91 192.8 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041727.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU041727.D (-2584) (-)

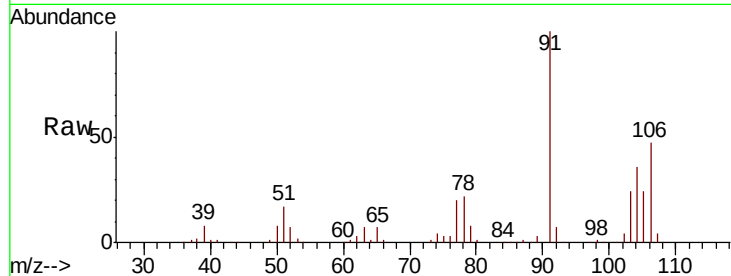




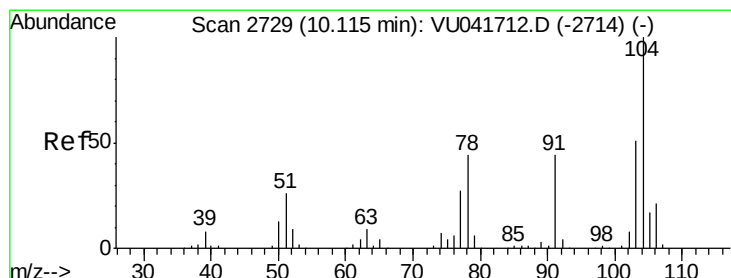
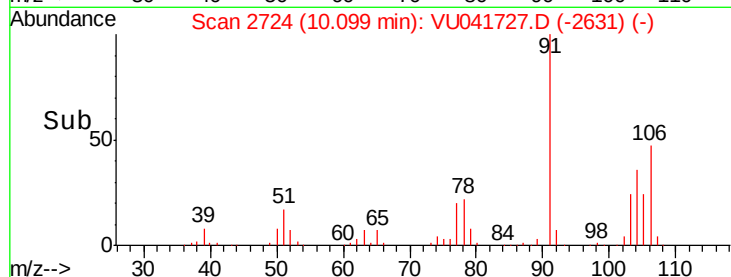
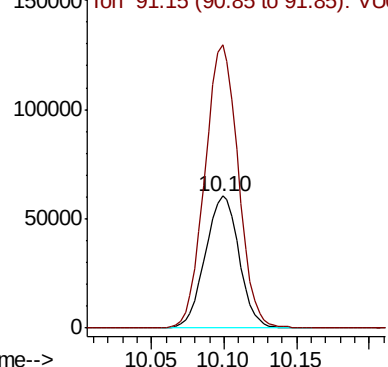
#54
o-Xylene
Concen: 5.263 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 97774
Ion Ratio Lower Upper
106 100
91 214.7 151.3 281.1

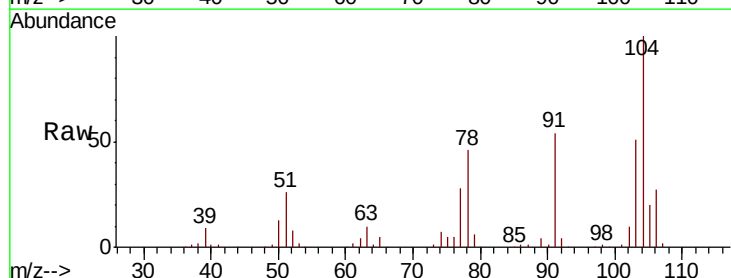


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

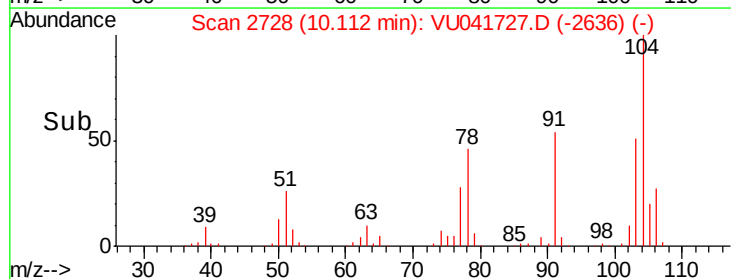
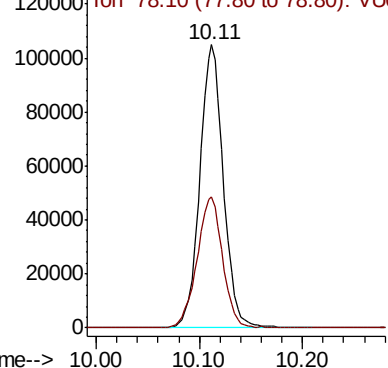


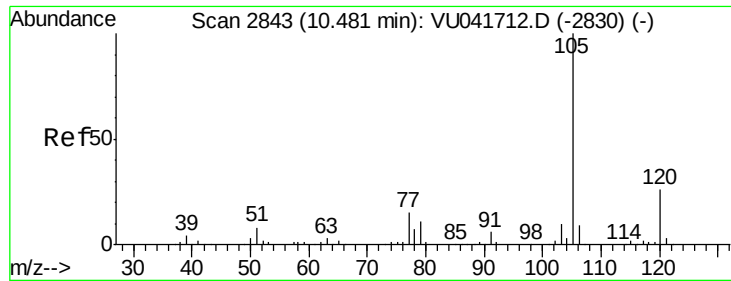
#55
Styrene
Concen: 5.184 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041727.D
Acq: 22 Dec 2020 09:11

Tgt Ion:104 Resp: 166361
Ion Ratio Lower Upper
104 100
78 46.1 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.254 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

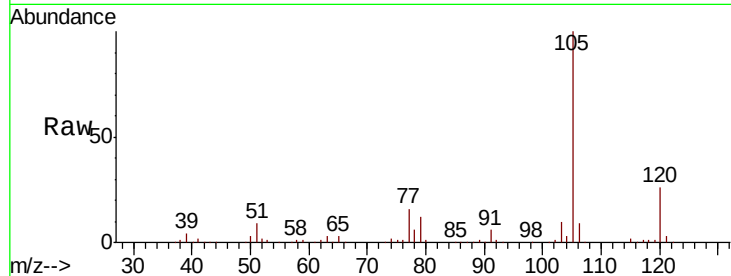
Tot Ion:105 Resp: 259790

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

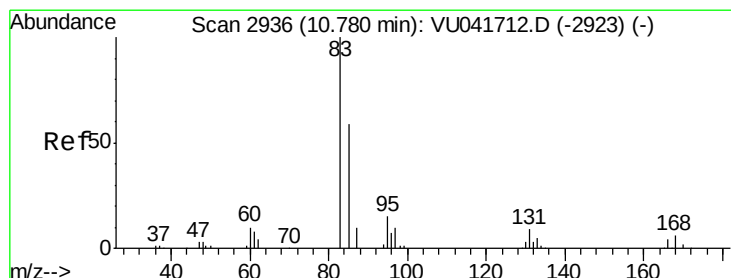
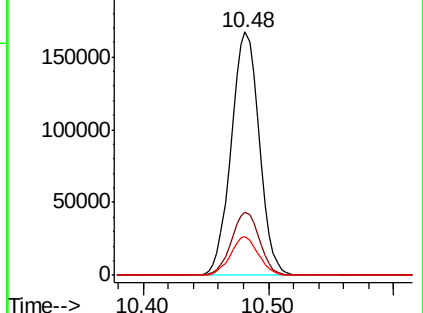
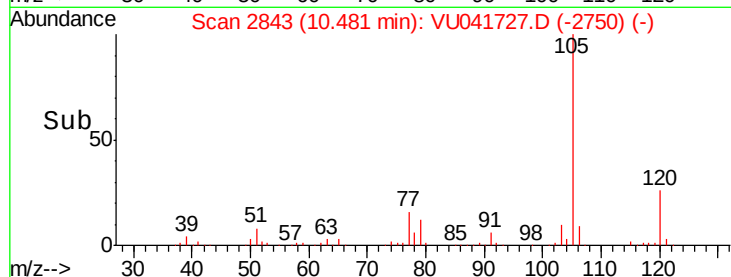
77 15.8 12.7 19.1



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: 5.270 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

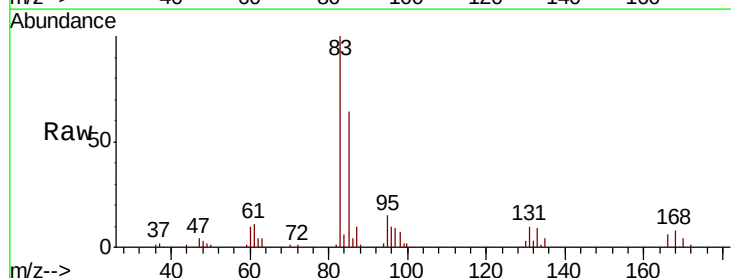
Tgt Ion: 83 Resp: 64167

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.7

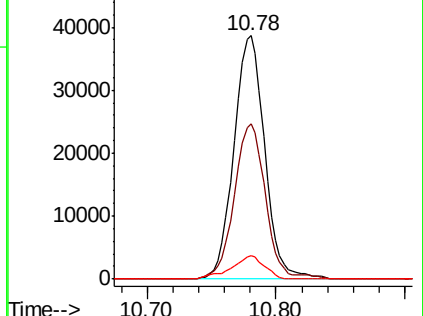
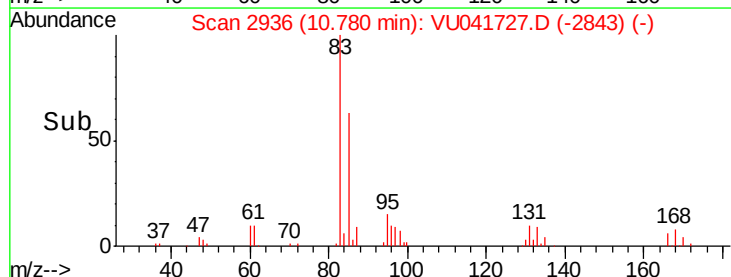
131 9.8 7.8 11.6

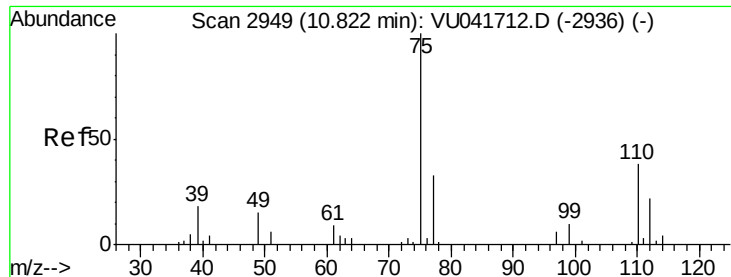


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.146 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

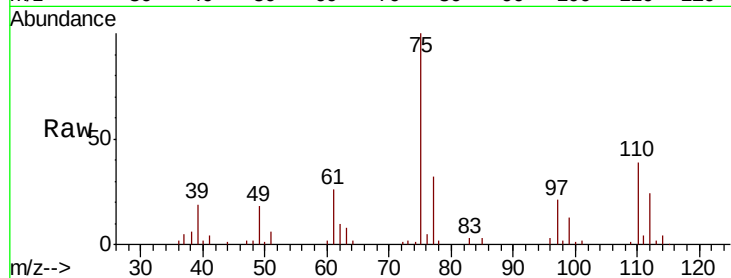
VSTD00524

Tot Ion: 75 Resp: 45725

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041712.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041712.D (-2936) (-)

10.82

30000

25000

20000

15000

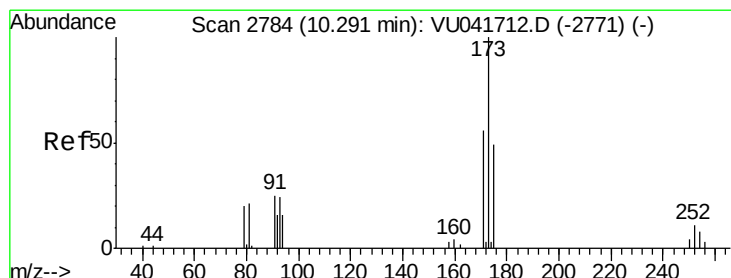
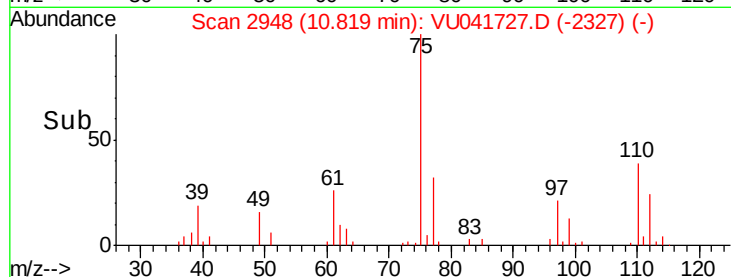
10000

5000

0

10.75 10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 6.159 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

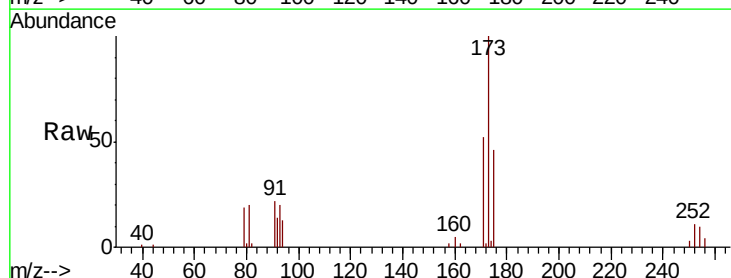
Tgt Ion: 173 Resp: 34385

Ion Ratio Lower Upper

173 100

175 46.7 37.3 55.9

254 9.2 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041712.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041712.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041712.D (-2771) (-)

25000

20000

15000

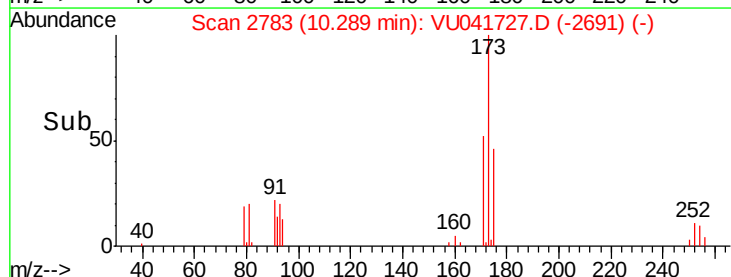
10000

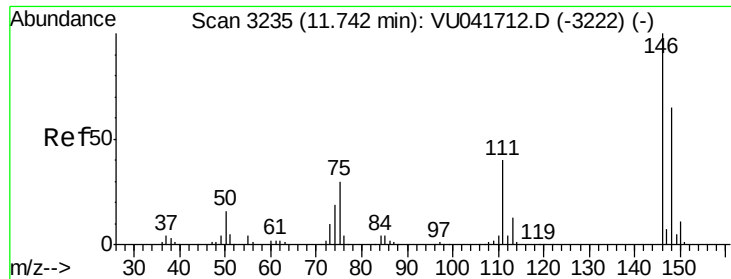
5000

0

10.20 10.25 10.30 10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.468 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

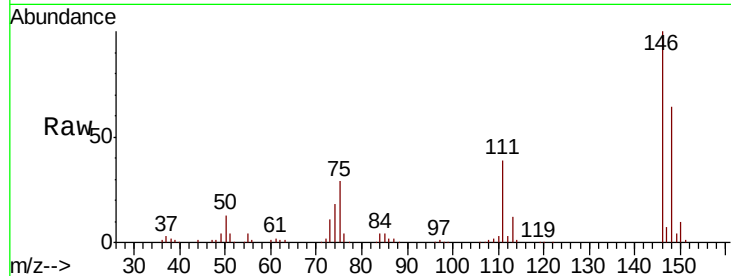
Tot Ion:146 Resp: 123508

Ion Ratio Lower Upper

146 100

111 39.0 30.0 55.8

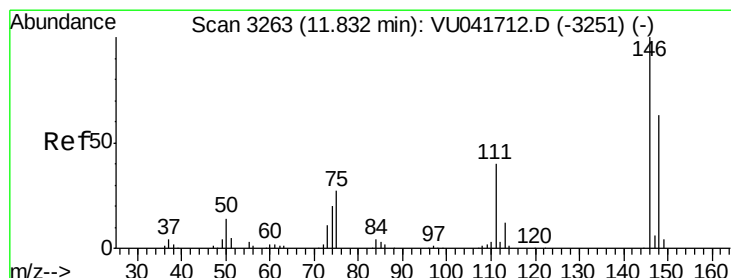
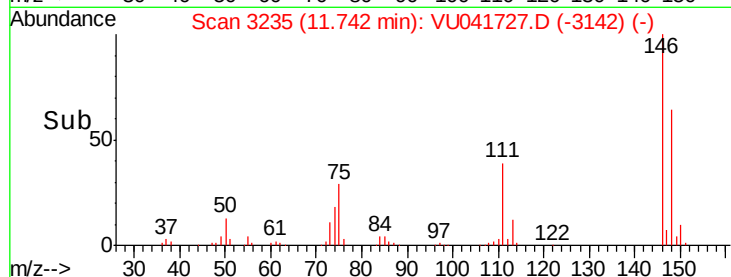
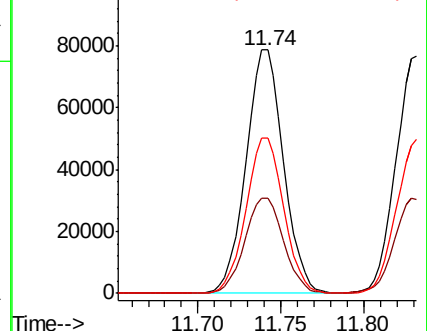
148 63.9 44.9 83.3



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: 5.337 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

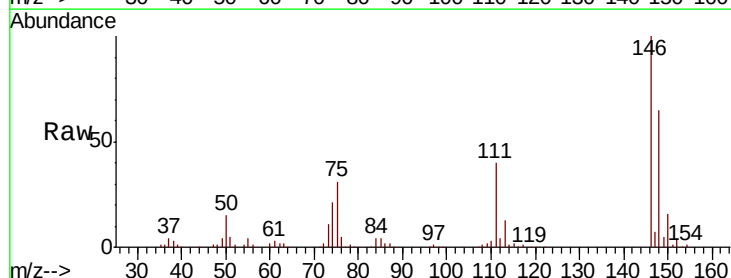
Tgt Ion:146 Resp: 121205

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.9

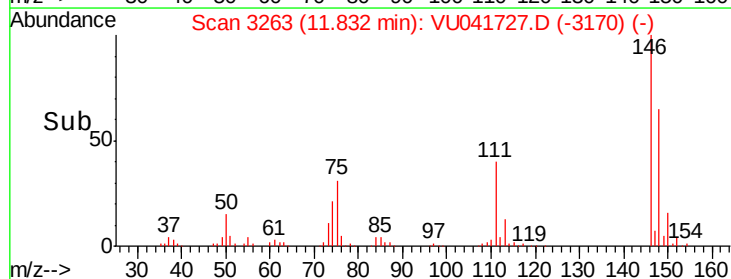
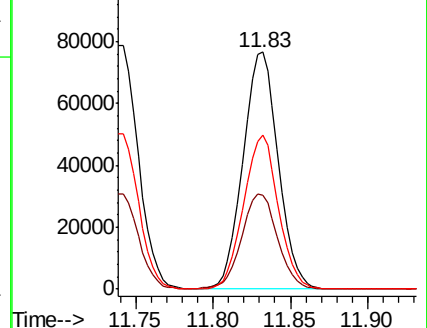
148 64.8 45.0 83.6

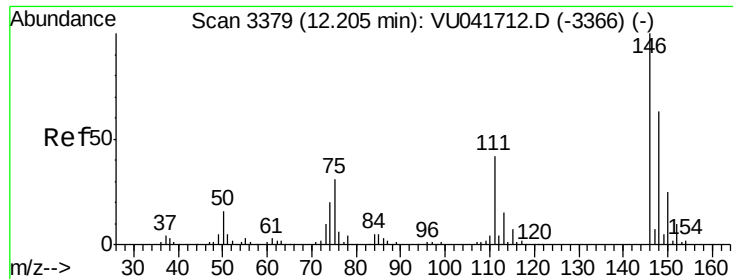


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

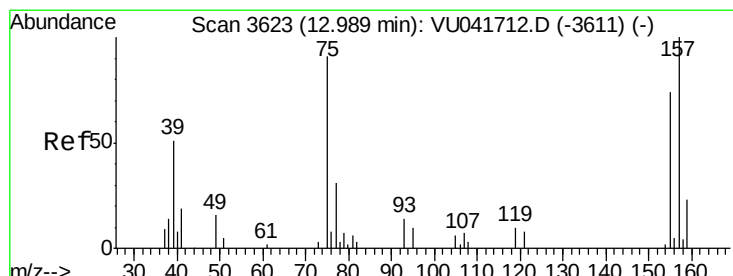
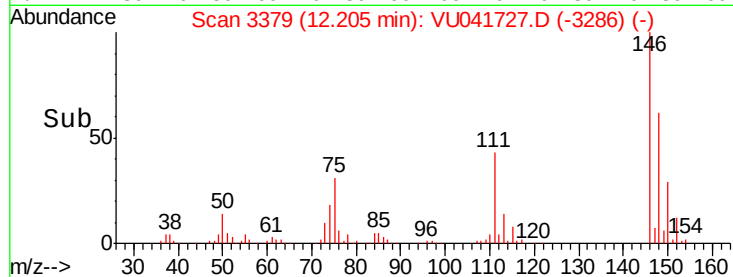
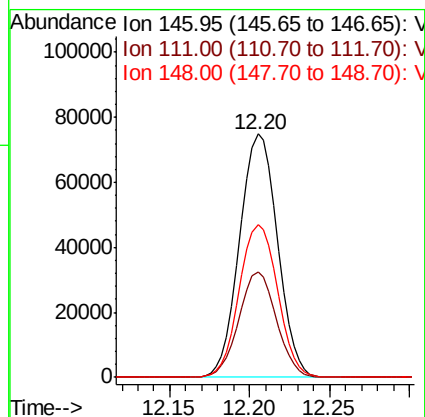
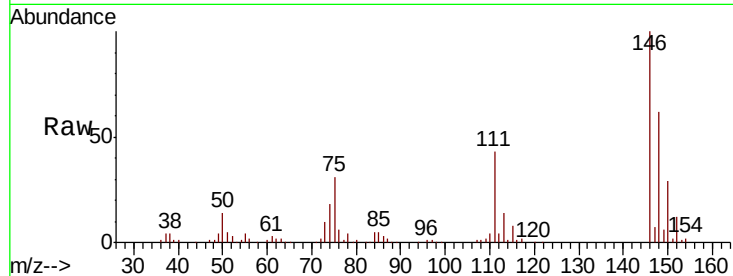




#65
 1,2-Dichlorobenzene
 Concen: 5.470 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

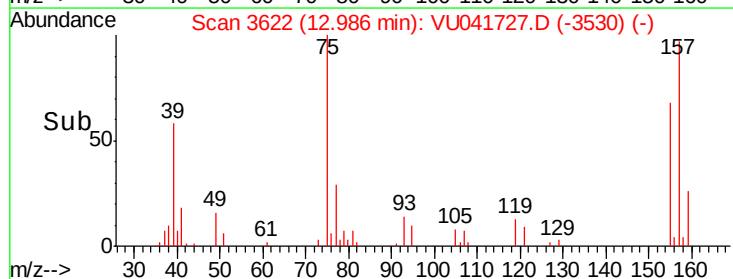
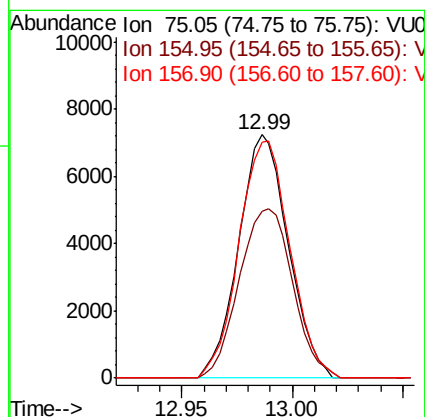
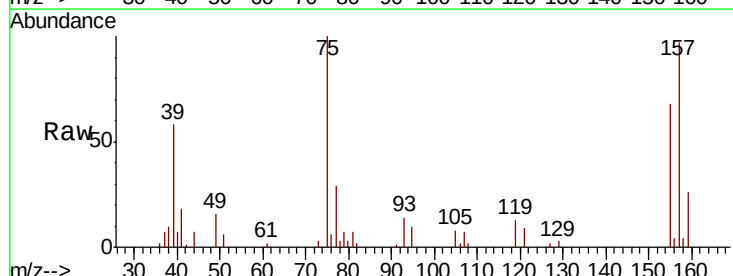
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

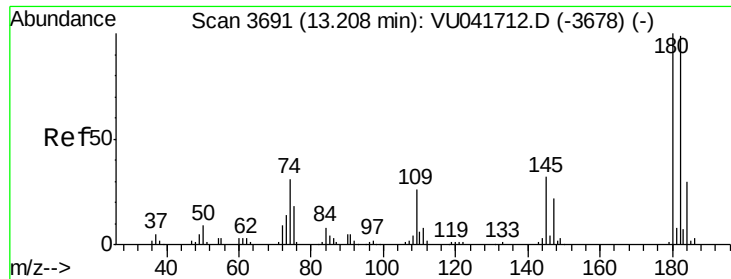
Tot Ion:146 Resp: 120993
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.0 52.6
 148 62.5 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.454 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion: 75 Resp: 11314
 Ion Ratio Lower Upper
 75 100
 155 68.4 57.4 86.0
 157 96.8 72.4 108.6

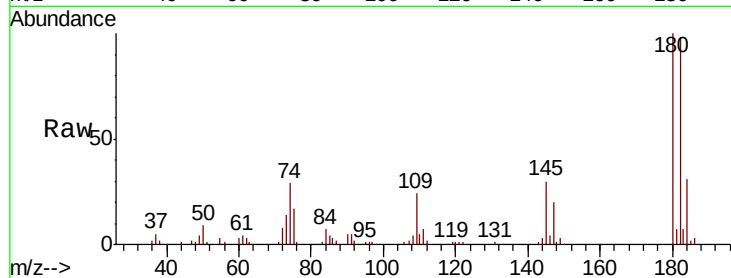




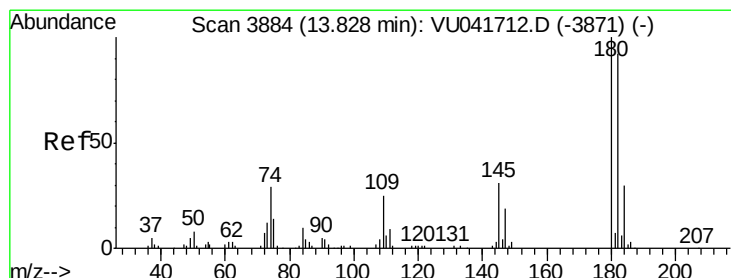
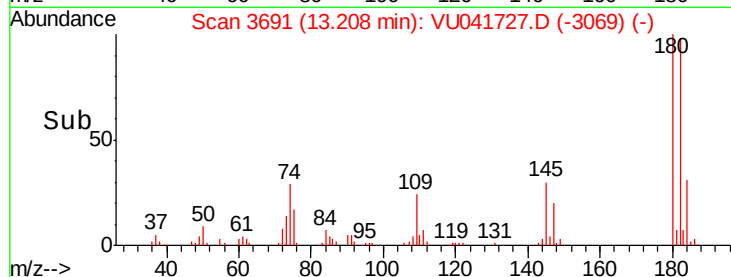
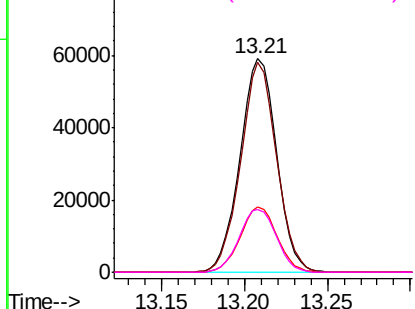
#67
 1,3,5-Trichlorobenzene
 Concen: 5.310 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:180 Resp: 91035
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 184 30.5 24.1 36.1
 145 30.0 24.1 36.1

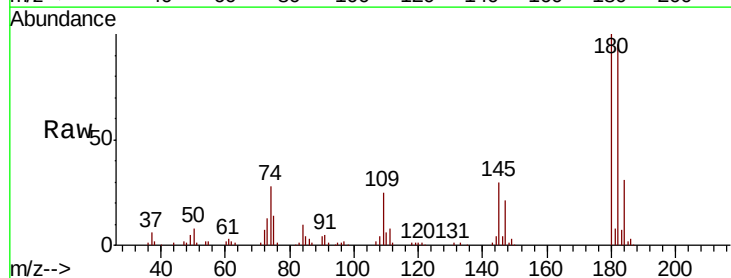


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

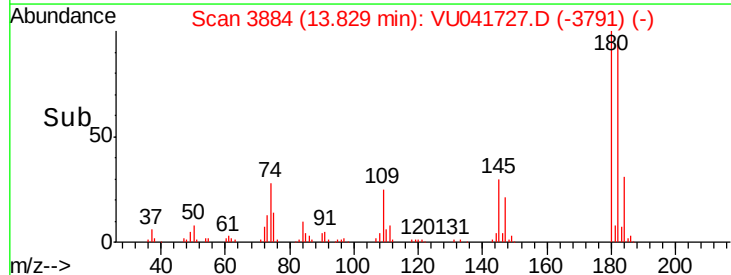
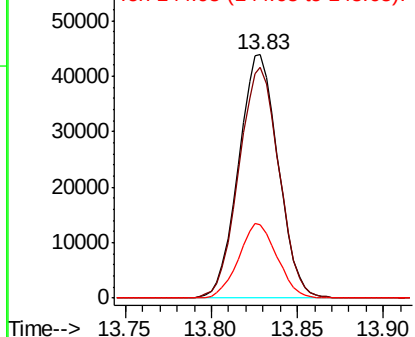


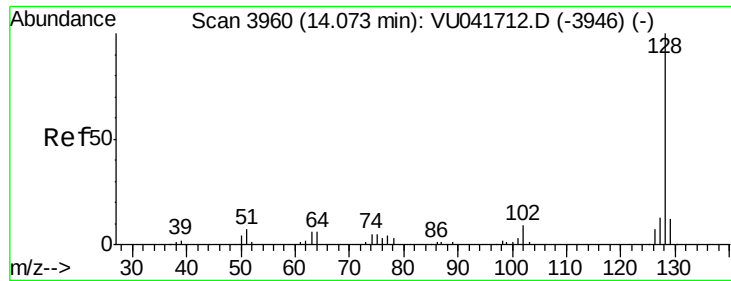
#68
 1,2,4-trichlorobenzene
 Concen: 4.886 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041727.D
 Acq: 22 Dec 2020 09:11

Tgt Ion:180 Resp: 70302
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.0
 145 29.8 24.5 36.7



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: 4.276 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

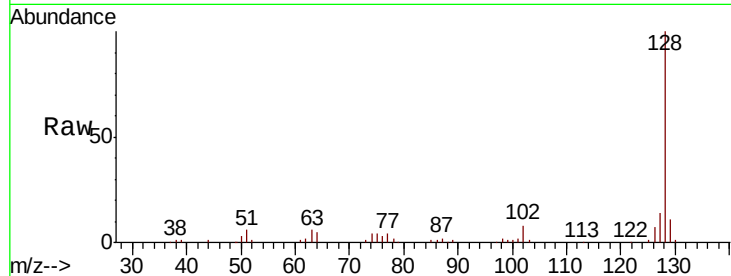
Tot Ion:128 Resp: 127371

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

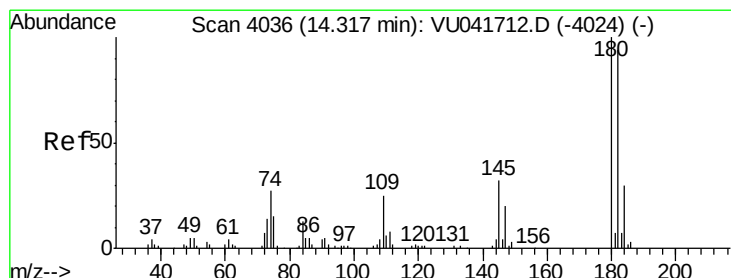
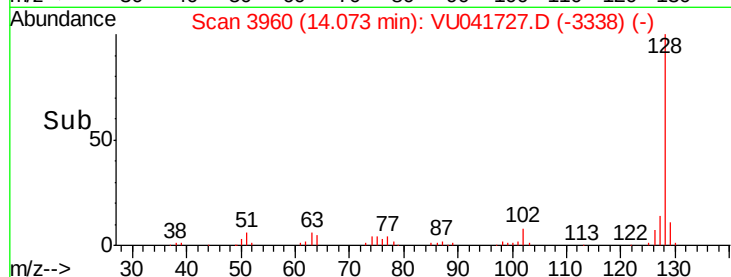
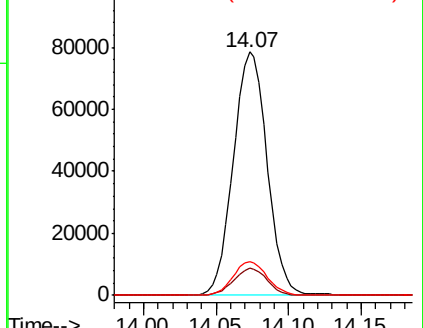
127 14.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.914 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041727.D

Acq: 22 Dec 2020 09:11

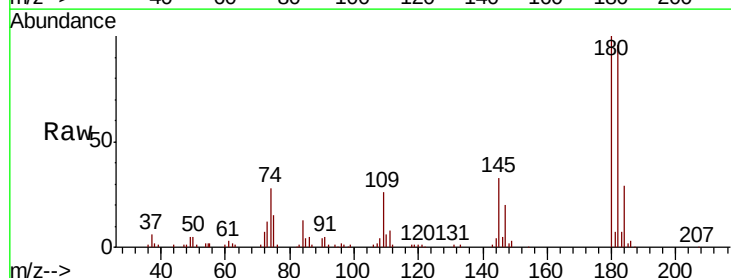
Tgt Ion:180 Resp: 67384

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

145 32.5 26.4 39.6



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

