

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061622\
 Data File : VU049227.D
 Acq On : 17 Jun 2022 00:19
 Operator : SY/MD
 Sample : N3320-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 17 02:35:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 02:27:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	118265	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	109164	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54498	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41750	4.040	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.915	69	33755	4.825	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.568	65	17636	4.243	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	4.639	46	169492	61.428	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.860%
24) Chloroform-d	5.063	84	82804	5.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.703	65	48100	5.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.729	84	165926	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.693	67	58713	5.260	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.899	98	142680	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.182	79	18969	3.825	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.635	63	117963	58.973	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.940%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	49902	5.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	56184	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	6676	0.671	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	826	0.121	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	182258	27.407	ug/L #	76
17) Methyl tert-butyl Ether	3.362	73	10978	0.546	ug/L #	95
19) 1,1-Dichloroethane	3.870	63	243178	16.739	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	5647	0.685	ug/L	79
25) Chloroform	5.095	83	8783	0.602	ug/L	98
27) 1,2-Dichloroethane	5.796	62	3638	0.379	ug/L #	92
29) 1,1,1-Trichloroethane	5.317	97	24051	1.844	ug/L	98
31) Carbon tetrachloride	5.314	117	2887	0.264	ug/L	85
34) Trichloroethene	6.542	95	215130	25.909	ug/L	99
35) Methylcyclohexane	6.690	83	11923	0.856	ug/L #	16
37) 1,2-Dichloropropane	6.787	63	1243	0.139	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	1395	0.103	ug/L #	58
45) 1,1,2-Trichloroethane	8.404	97	2239	0.360	ug/L	86
47) Tetrachloroethene	8.558	164	2899	0.506	ug/L	92
49) Dibromochloromethane	8.555	129	2945	0.415	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	8039	1.315	ug/L #	67
65) 1,4-Dichlorobenzene	11.838	146	1166	0.074	ug/L	98

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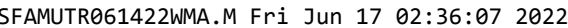
Instrument :
MSVOA_U
ClientSampleId :

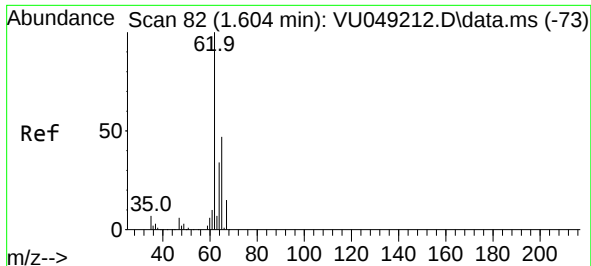
Quant Time: Jun 17 02:35:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 17 02:27:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	1143	0.076	ug/L	# 69

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

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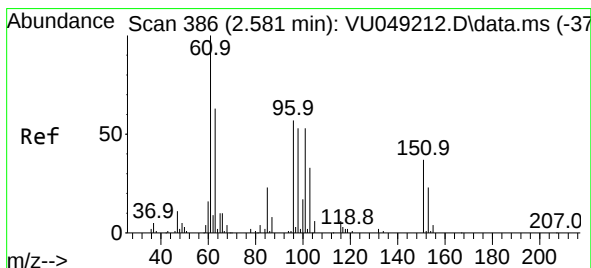
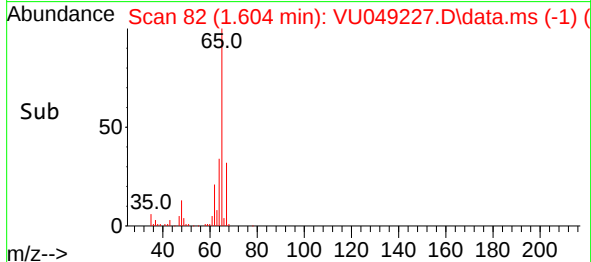
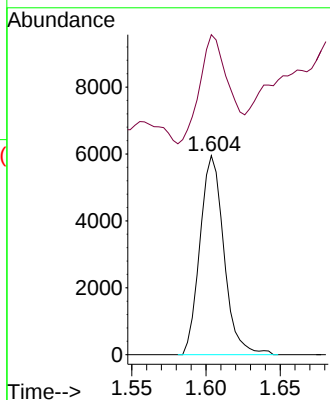
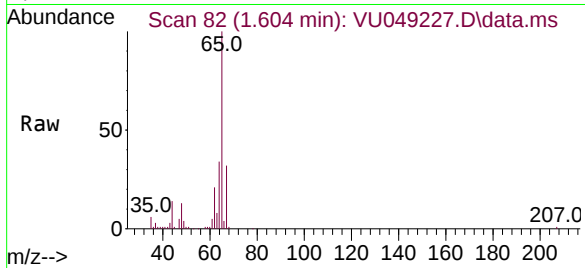




#5
 Vinyl chloride
 Concen: 0.671 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049227.D
 Acq: 17 Jun 2022 00:19

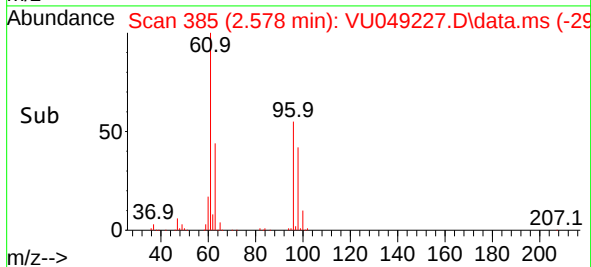
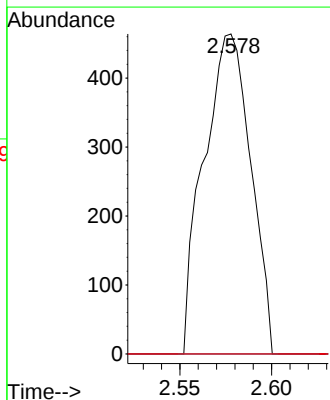
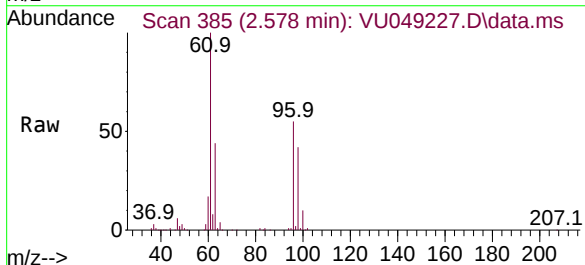
Instrument :
 MSVOA_U
 ClientSampleId :

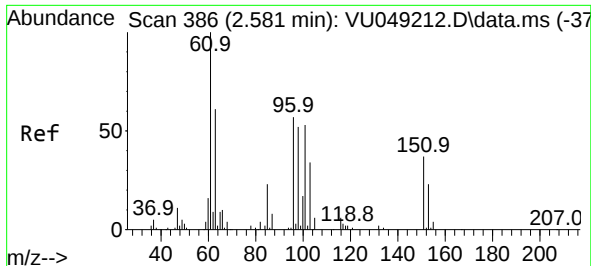
Tgt Ion: 62 Resp: 6676
 Ion Ratio Lower Upper
 62 100
 64 160.8 22.8 42.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.121 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU049227.D
 Acq: 17 Jun 2022 00:19

Tgt Ion: 101 Resp: 826
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.1 54.1#
 151 0.0 56.8 85.2#





#12

1,1-Dichloroethene

Concen: 27.407 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

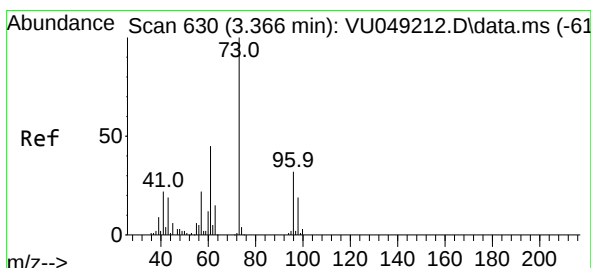
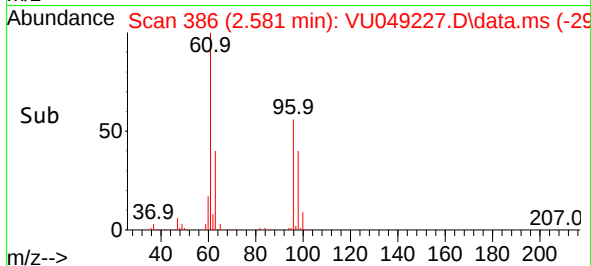
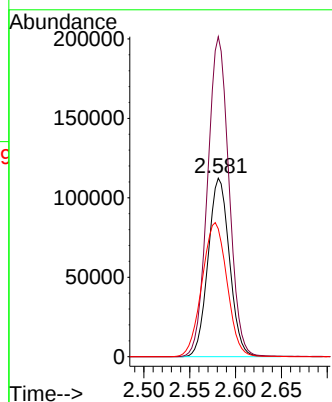
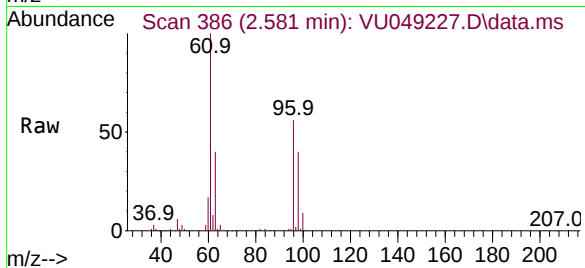
Tgt Ion: 96 Resp: 182258

Ion Ratio Lower Upper

96 100

61 179.2 127.2 236.2

63 71.5 94.7 175.9#



#17

Methyl tert-butyl Ether

Concen: 0.546 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

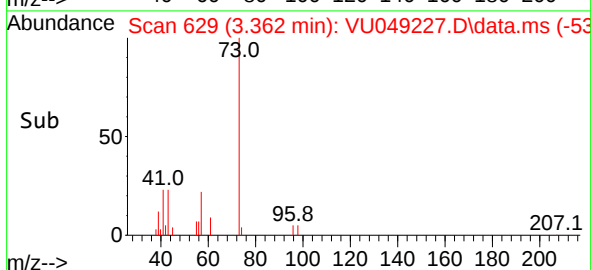
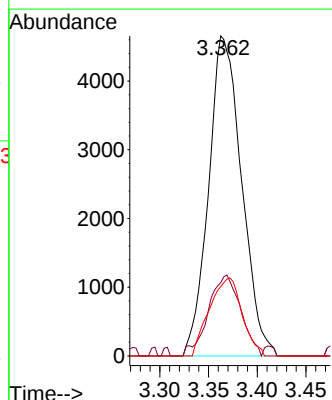
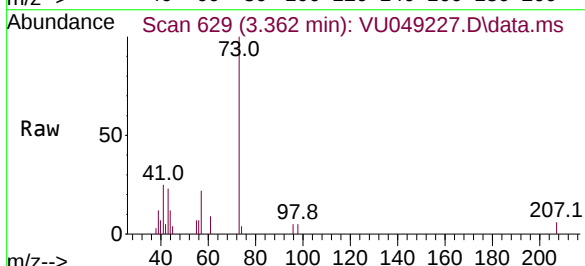
Tgt Ion: 73 Resp: 10978

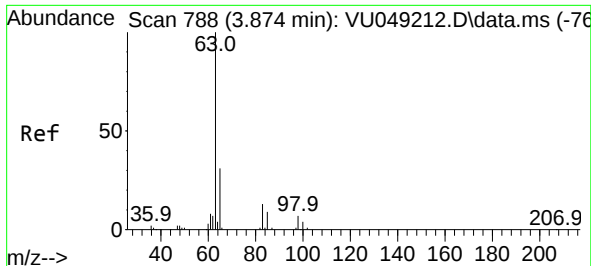
Ion Ratio Lower Upper

73 100

43 24.7 16.5 24.7#

57 24.1 18.6 27.8





#19

1,1-Dichloroethane

Concen: 16.739 ug/L

RT: 3.870 min Scan# 788

Delta R.T. -0.003 min

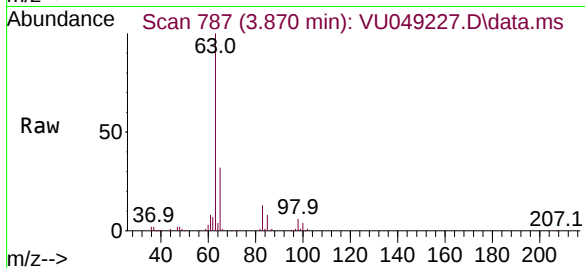
Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :



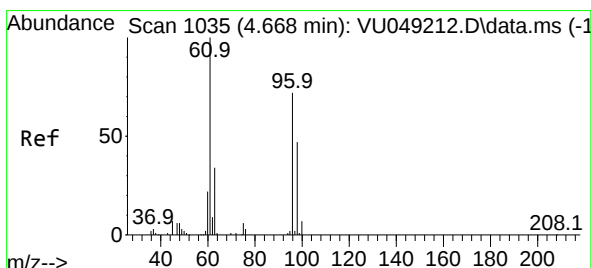
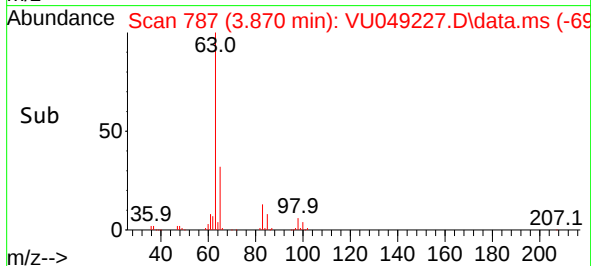
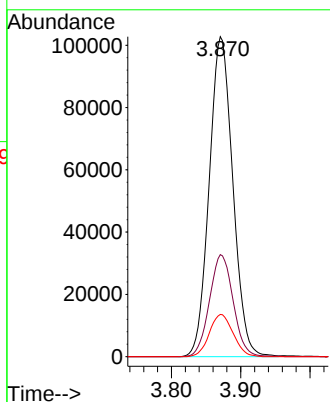
Tgt Ion: 63 Resp: 243178

Ion Ratio Lower Upper

63 100

65 31.9 24.0 44.6

83 13.2 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 0.685 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

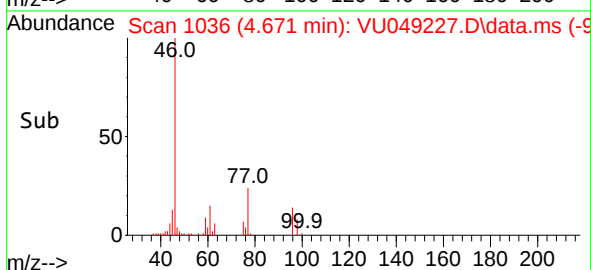
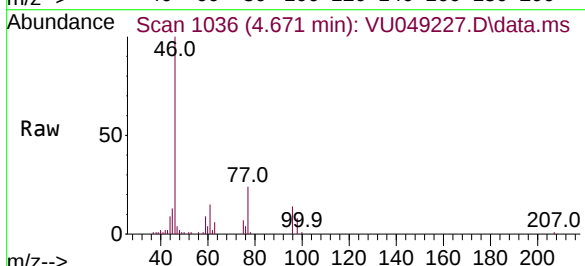
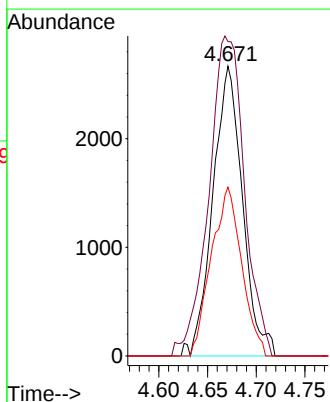
Tgt Ion: 96 Resp: 5647

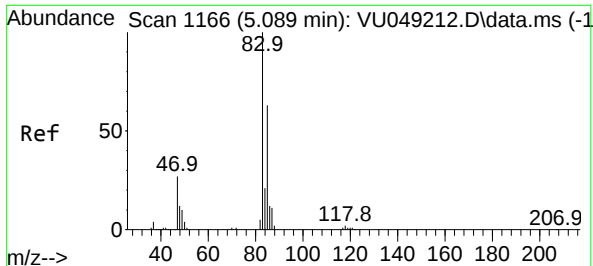
Ion Ratio Lower Upper

96 100

61 108.5 99.5 184.9

98 58.2 44.8 83.2





#25

Chloroform

Concen: 0.602 ug/L

RT: 5.095 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

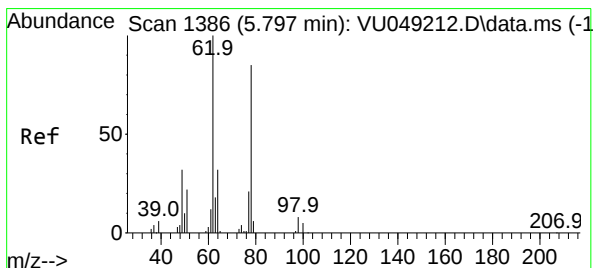
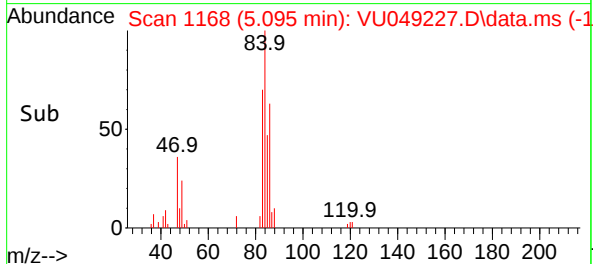
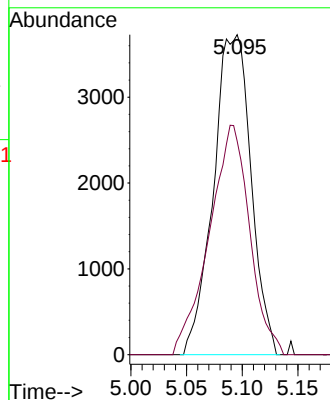
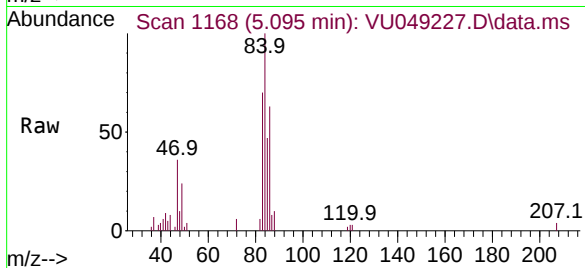
ClientSampleId :

Tgt Ion: 83 Resp: 8783

Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.379 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU049227.D

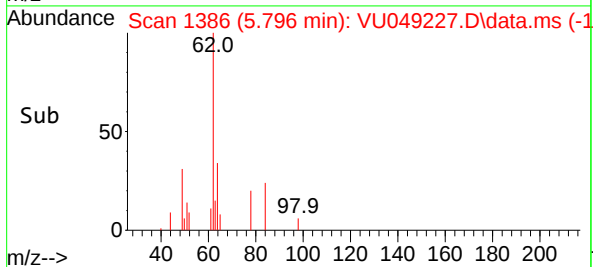
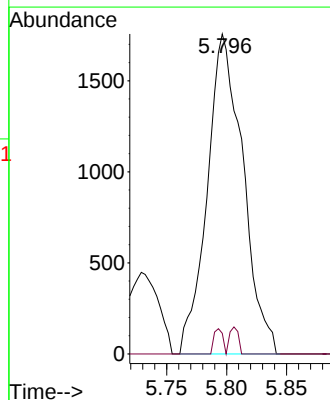
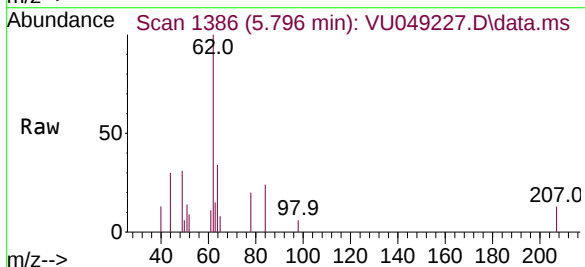
Acq: 17 Jun 2022 00:19

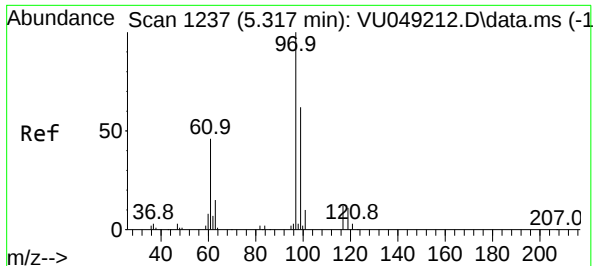
Tgt Ion: 62 Resp: 3638

Ion Ratio Lower Upper

62 100

98 6.4 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 1.844 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

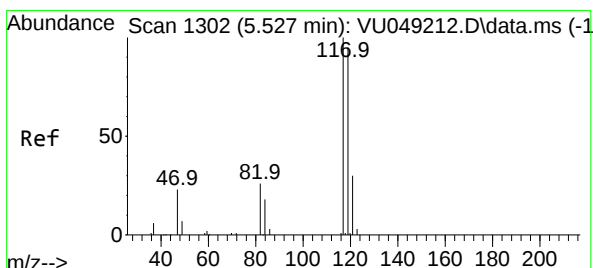
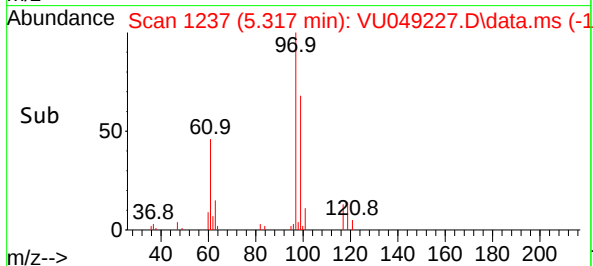
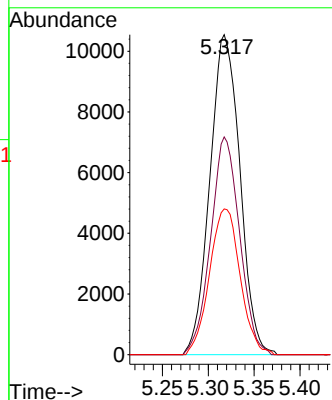
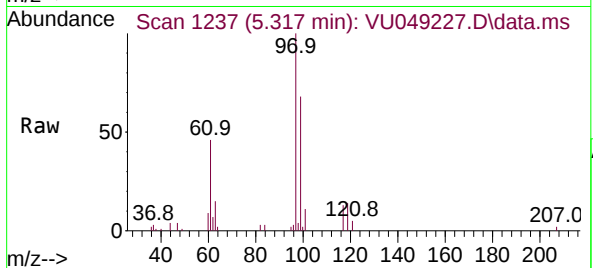
Tgt Ion: 97 Resp: 24051

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.4

61 46.5 36.2 54.4



#31

Carbon tetrachloride

Concen: 0.264 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.212 min

Lab File: VU049227.D

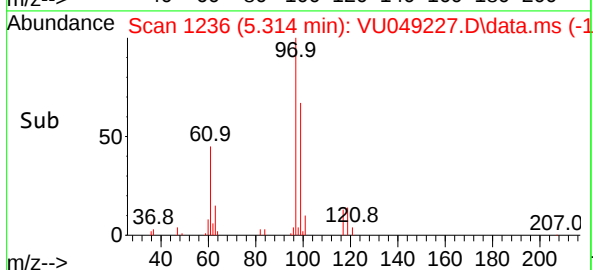
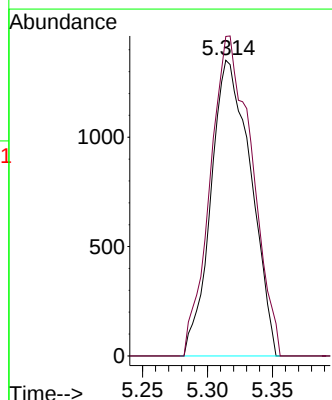
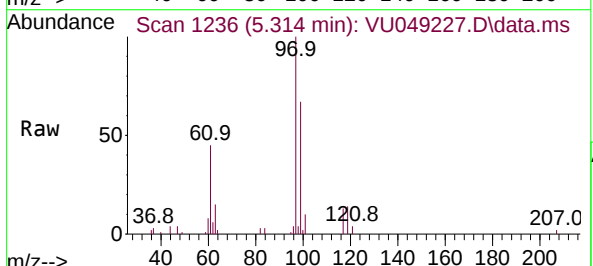
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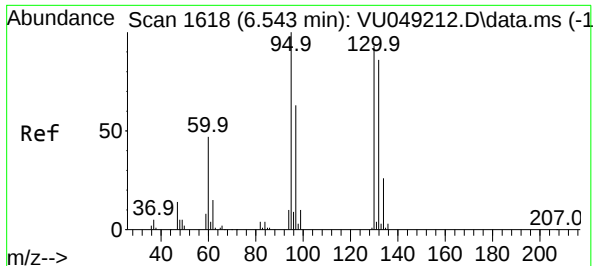
Tgt Ion: 117 Resp: 2887

Ion Ratio Lower Upper

117 100

119 113.1 78.3 117.5





#34

Trichloroethene

Concen: 25.909 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

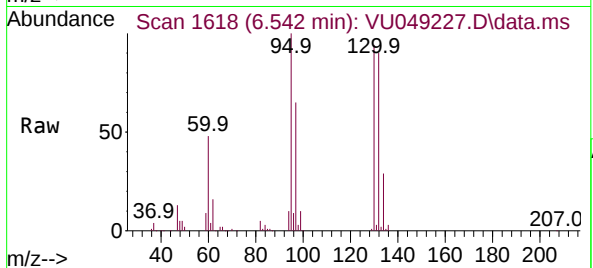
Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 215130

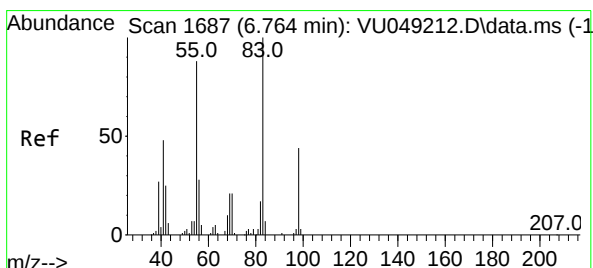
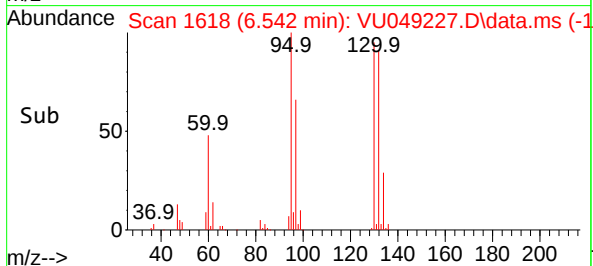
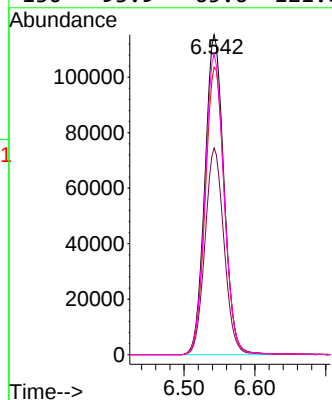
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 89.9 61.5 114.3

130 93.9 65.6 121.8



#35

Methylcyclohexane

Concen: 0.856 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.074 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

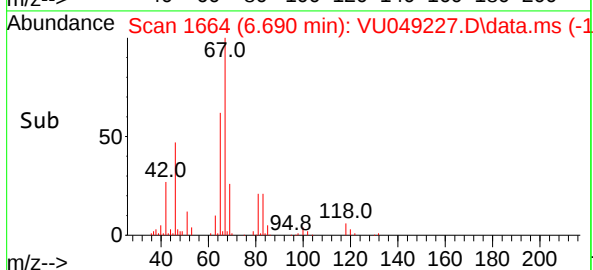
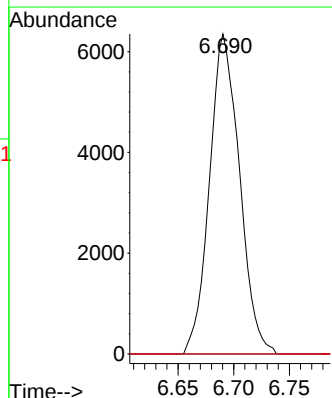
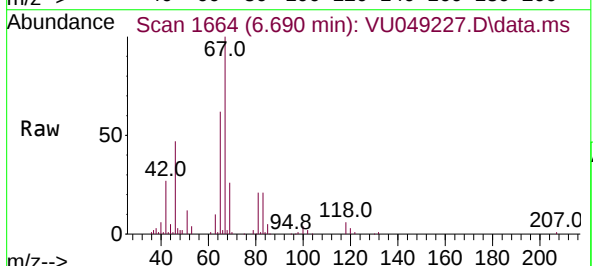
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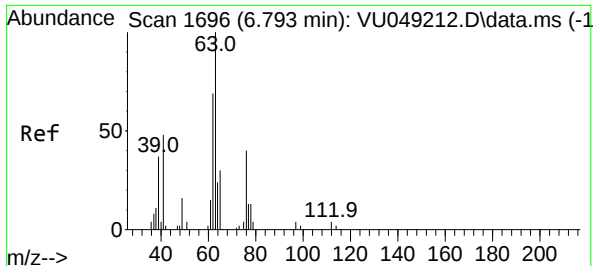
Ion Ratio Lower Upper

83 100

55 0.0 66.9 100.3#

98 0.0 35.5 53.3#

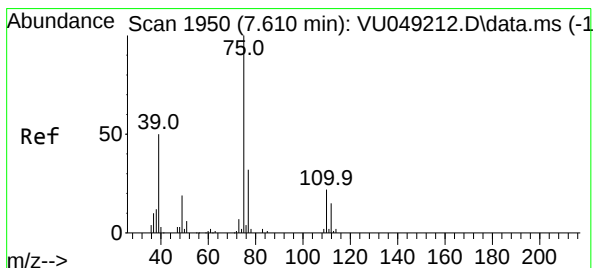
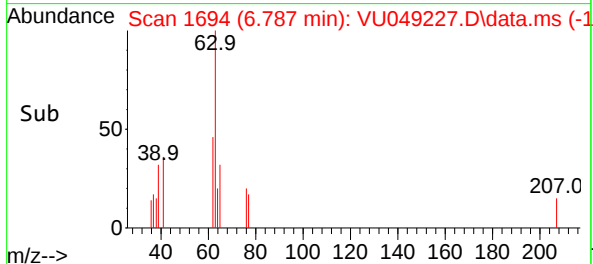
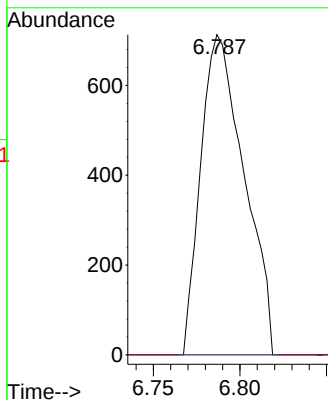
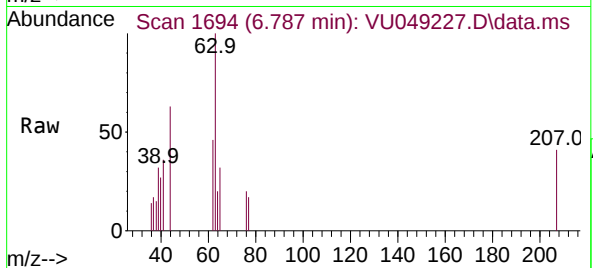




#37
1,2-Dichloropropane
Concen: 0.139 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

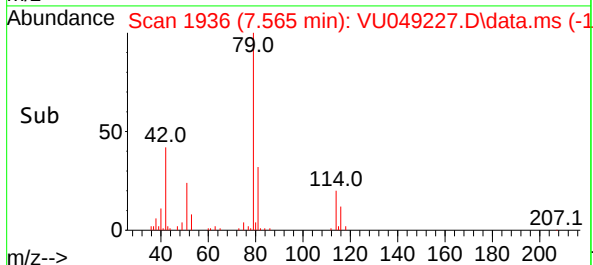
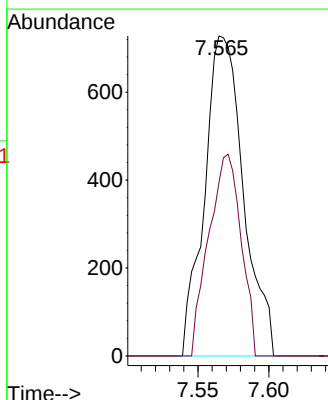
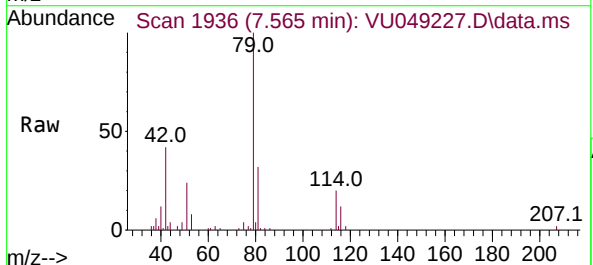
Instrument :
MSVOA_U
ClientSampleId :

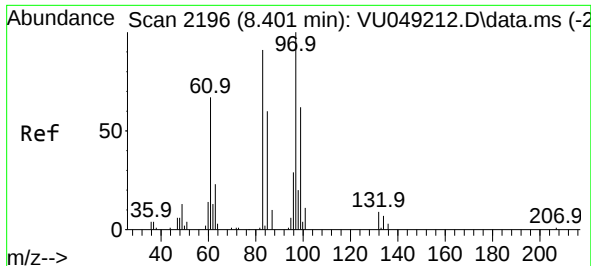
Tgt Ion: 63 Resp: 1243
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



#39
cis-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

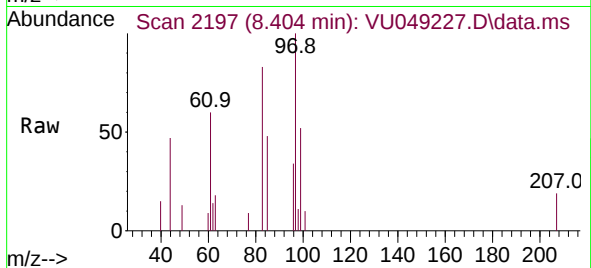
Tgt Ion: 75 Resp: 1395
Ion Ratio Lower Upper
75 100
77 54.3 21.8 40.4#



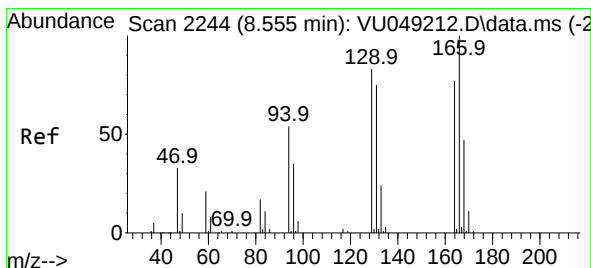
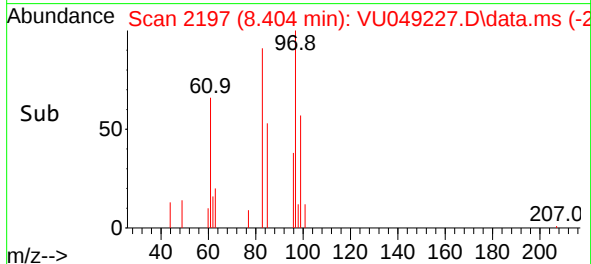
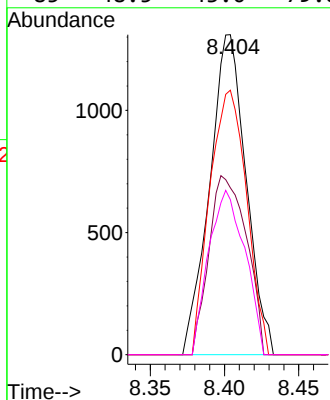


#45
1,1,2-Trichloroethane
Concen: 0.360 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Instrument :
MSVOA_U
ClientSampleId :

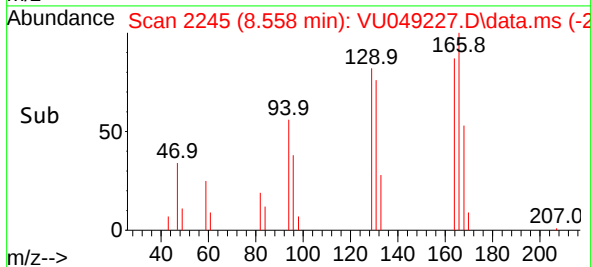
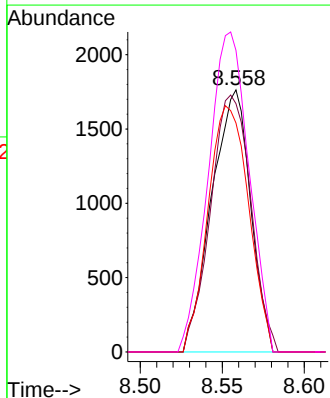
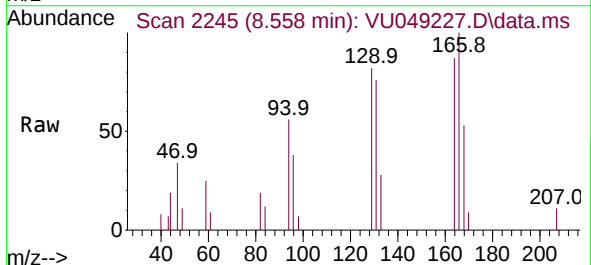


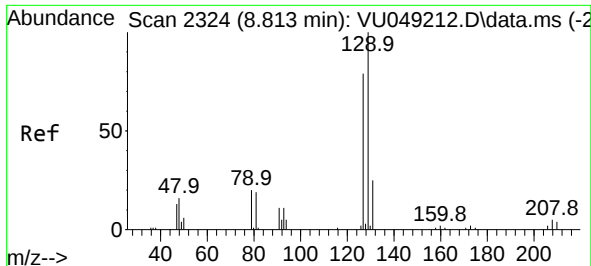
Tgt Ion: 97	Resp: 2239
Ion Ratio	Lower Upper
97 100	
99 52.1	45.6 84.8
83 82.7	65.4 121.4
85 48.5	43.0 79.8



#47
Tetrachloroethene
Concen: 0.506 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

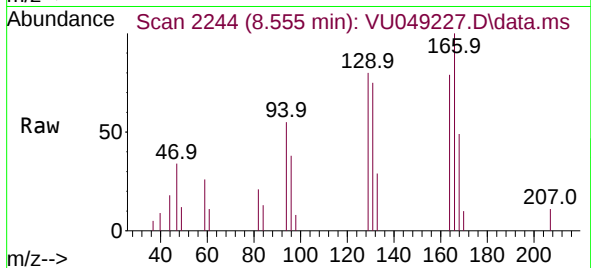
Tgt	Ion:164	Resp:	2899
Ion	Ratio	Lower	Upper
164	100		
129	94.8	69.8	129.6
131	87.4	67.8	125.8
166	115.1	87.3	162.1



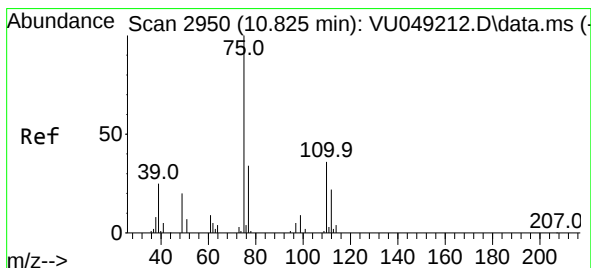
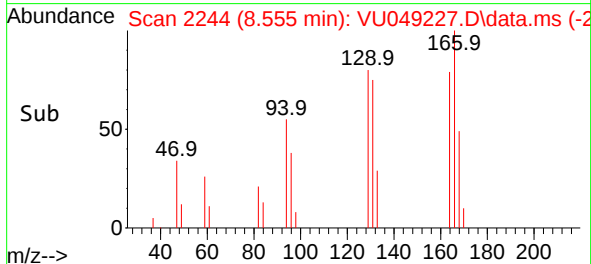
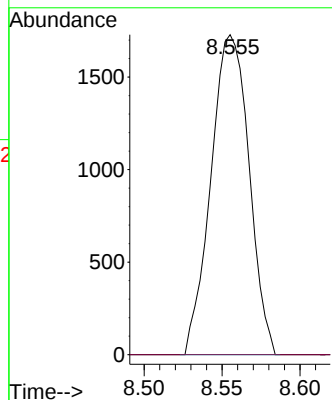


#49
Dibromochloromethane
Concen: 0.415 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Instrument :
MSVOA_U
ClientSampleId :

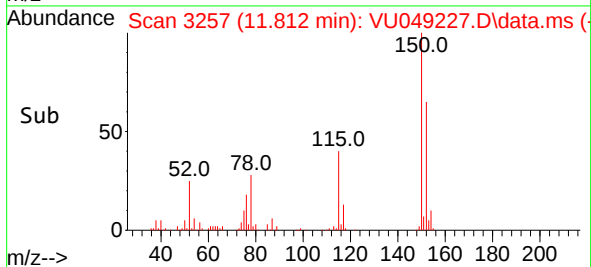
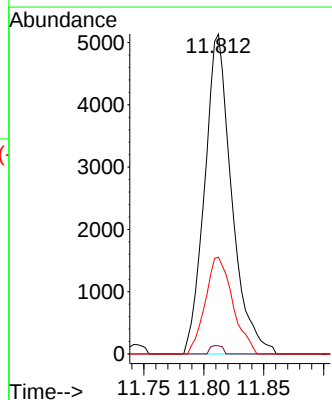
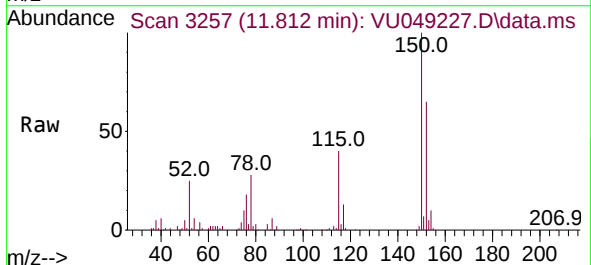


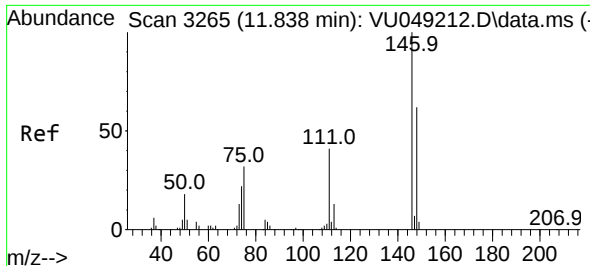
Tgt Ion:129 Resp: 2945
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#



#61
1,2,3-Trichloropropane
Concen: 1.315 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Tgt Ion: 75 Resp: 8039
Ion Ratio Lower Upper
75 100
110 1.2 29.0 43.4#
77 30.7 26.2 39.2

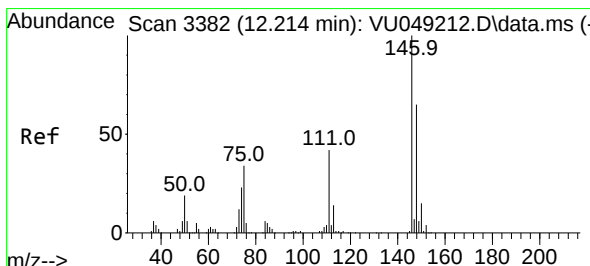
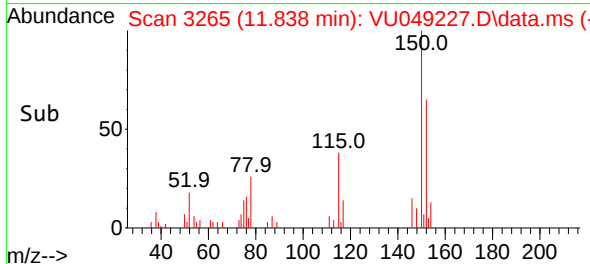
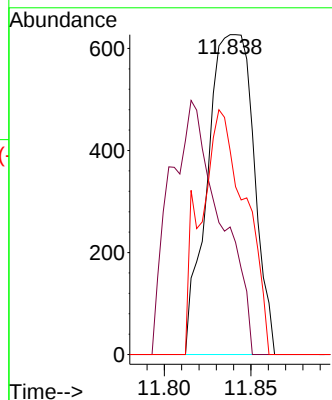
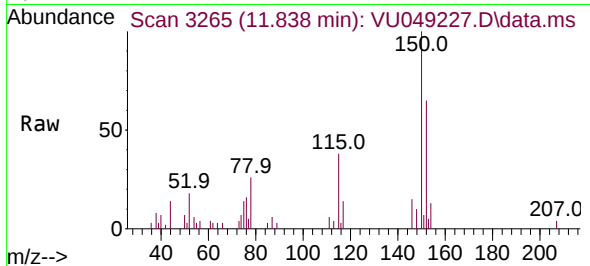




#65
1,4-Dichlorobenzene
Concen: 0.074 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 1166
Ion Ratio Lower Upper
146 100
111 39.9 29.8 55.4
148 63.8 44.7 83.1



#67
1,2-Dichlorobenzene
Concen: 0.076 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Tgt Ion:146 Resp: 1143
Ion Ratio Lower Upper
146 100
111 73.9 36.6 55.0#
148 83.7 52.2 78.4#

