

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055612.D
 Acq On : 02 Oct 2023 18:16
 Operator : MD/SY
 Sample : 04679-19 1000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 04:58:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	154858	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	162357	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	86759	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	64960	4.150	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.914	69	68598	4.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.563	65	23880	3.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.200%
20) 2-Butanone-d5	4.634	46	160480	56.767	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.540%
24) Chloroform-d	5.062	84	135942	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.702	65	71311	5.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.727	84	250274	4.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.689	67	85289	5.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.898	98	205186	3.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.181	79	28489	4.784	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.634	63	95769	52.876	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.760%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	65528	5.153	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	78280	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.043	84	10278	0.792	ug/L	86
22) cis-1,2-Dichloroethene	4.663	96	102743	8.120	ug/L	97
34) Trichloroethene	6.541	95	20533	1.553	ug/L	96
37) 1,2-Dichloropropane	6.689	63	9495	0.777	ug/L #	90
39) cis-1,3-Dichloropropene	7.560	75	2675	0.164	ug/L #	73
42) Toluene	7.968	91	442076	8.869	ug/L	99
47) Tetrachloroethene	8.550	164	55615	5.865	ug/L	96
48) 2-Hexanone	8.682	43	17726	4.126	ug/L #	81
49) Dibromochloromethane	8.550	129	55977	6.232	ug/L #	9
51) Chlorobenzene	9.447	112	19168	0.600	ug/L	94
52) Ethylbenzene	9.570	91	17701	0.331	ug/L	96
53) m,p-Xylene	9.692	106	25467	1.272	ug/L	97
54) o-Xylene	10.100	106	8515	0.437	ug/L	94
61) 1,2,3-Trichloropropane	11.743	75	6111	0.902	ug/L #	63
63) 1,2,4-Trimethylbenzene	11.470	105	9091	0.232	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	18147	0.758	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	96025	4.013	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	25185	1.147	ug/L	99
69) 1,3,5-Trichlorobenzene	13.836	180	241223	14.632	ug/L	99

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ALS Vial : 20 Sample Multiplier: 1

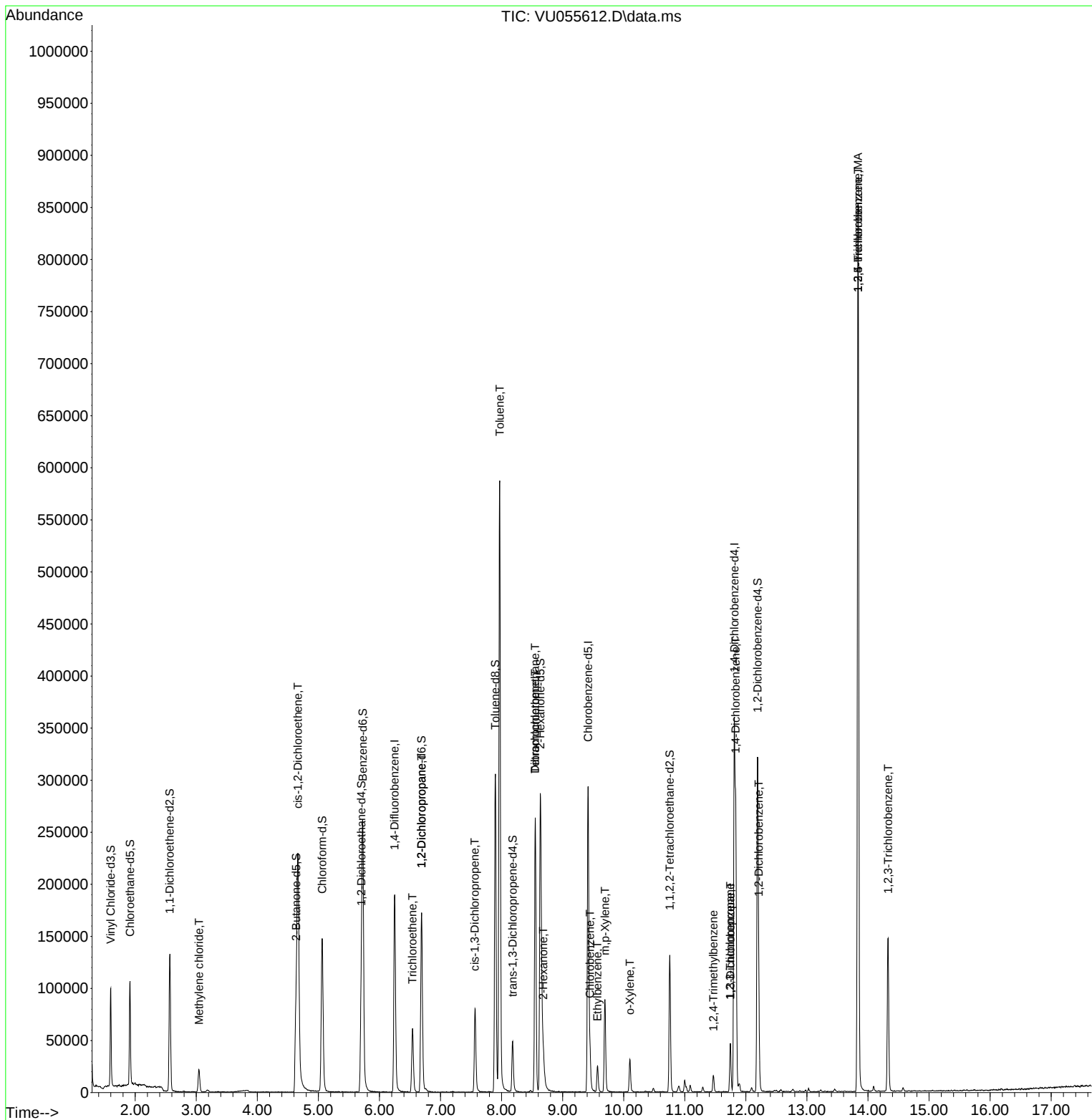
Instrument :
MSVOA_U
ClientSampleId :

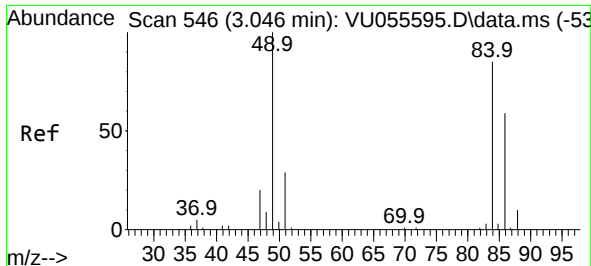
Quant Time: Oct 03 04:58:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.836	180	241223	19.192	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	43555	3.982	ug/L	98

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

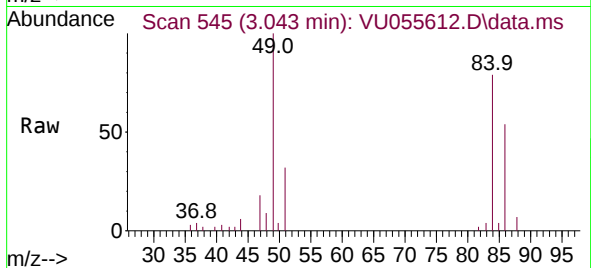
Quant Time: Oct 03 04:58:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
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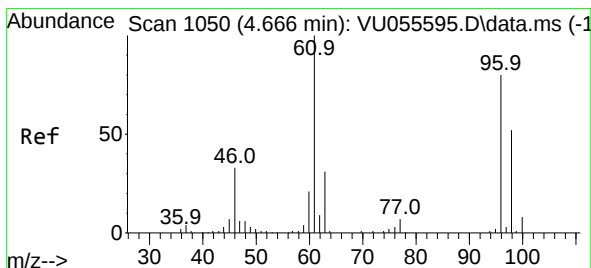
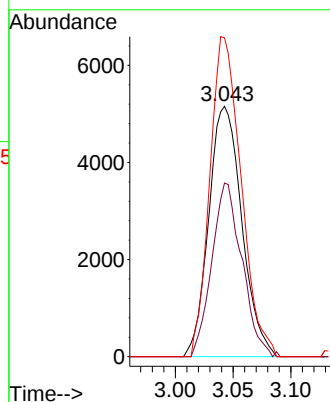
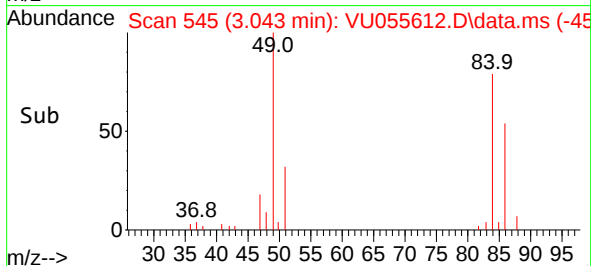


#16
Methylene chloride
Concen: 0.792 ug/L
RT: 3.043 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

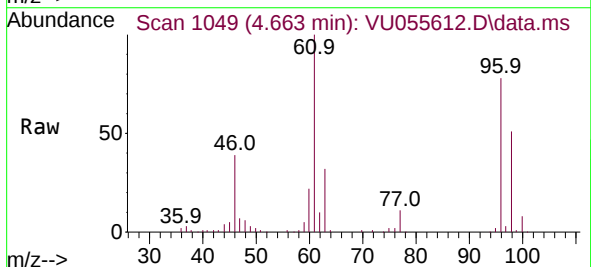
Instrument :
MSVOA_U
ClientSampleId :



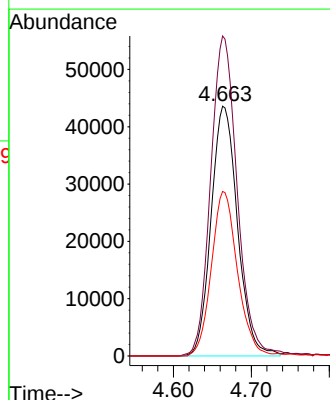
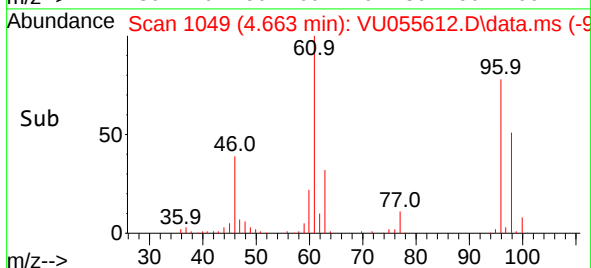
Tgt Ion: 84 Resp: 10278
Ion Ratio Lower Upper
84 100
86 69.3 44.9 83.3
49 132.0 78.8 146.3

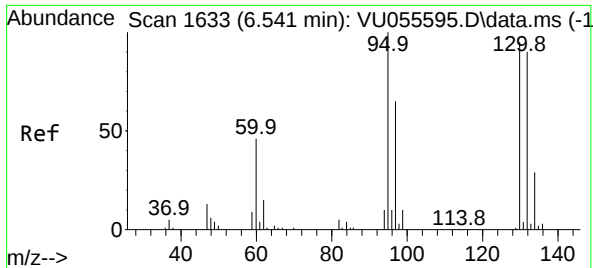


#22
cis-1,2-Dichloroethene
Concen: 8.120 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16



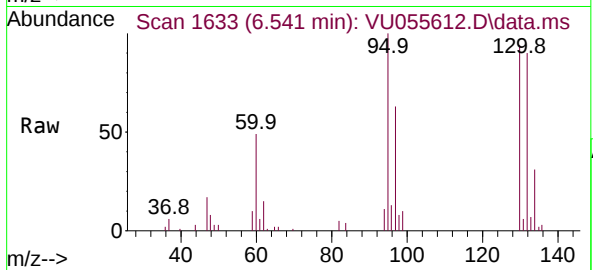
Tgt Ion: 96 Resp: 102743
Ion Ratio Lower Upper
96 100
61 128.1 87.8 163.2
98 65.8 44.4 82.4



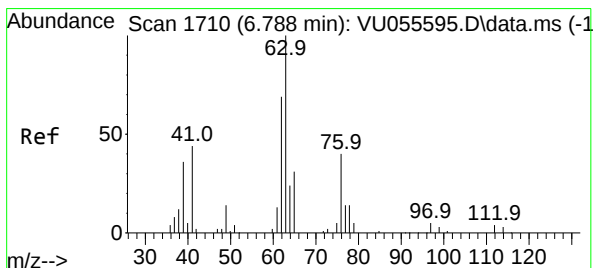
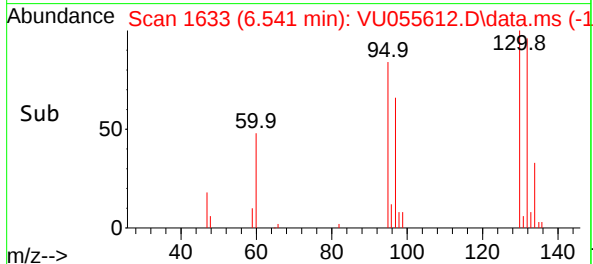
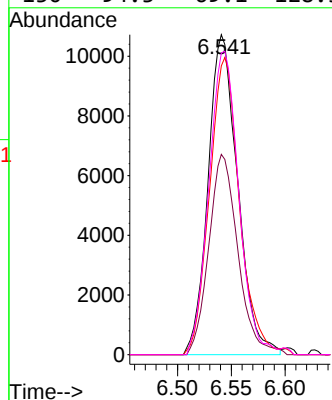


#34
Trichloroethene
Concen: 1.553 ug/L
RT: 6.541 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

Instrument :
MSVOA_U
ClientSampleId :

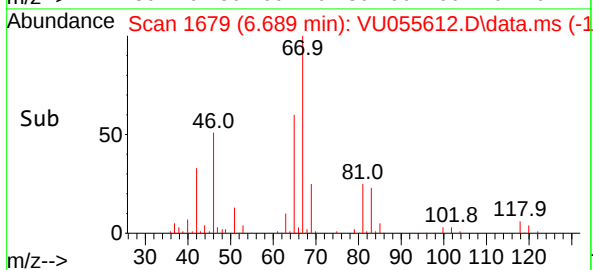
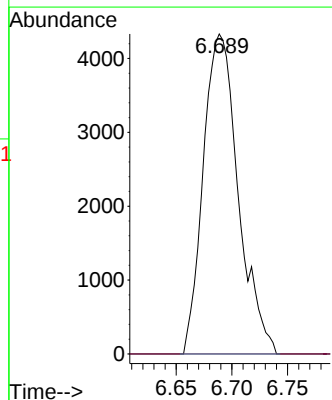
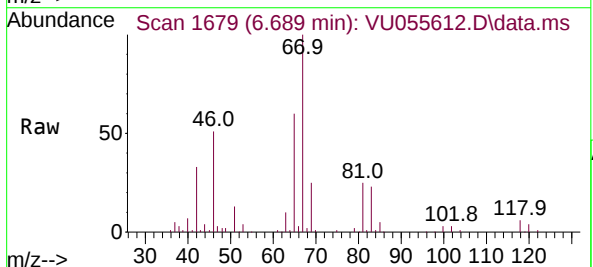


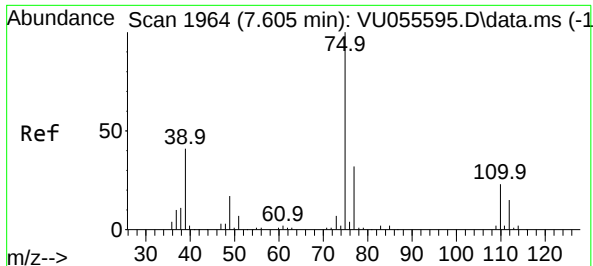
Tgt Ion: 95 Resp: 20533
Ion Ratio Lower Upper
95 100
97 62.6 45.4 84.2
132 90.2 65.2 121.2
130 94.3 69.1 128.3



#37
1,2-Dichloropropane
Concen: 0.777 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

Tgt Ion: 63 Resp: 9495
Ion Ratio Lower Upper
63 100
112 0.5 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.164 ug/L

RT: 7.560 min Scan# 1964

Delta R.T. -0.045 min

Lab File: VU055612.D

Acq: 02 Oct 2023 18:16

Instrument :

MSVOA_U

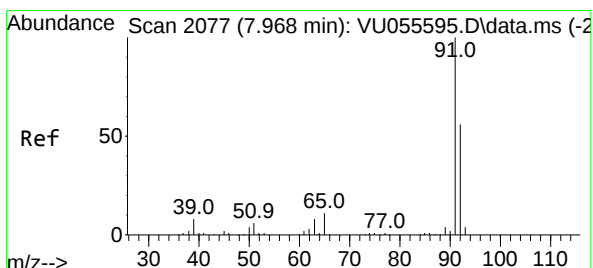
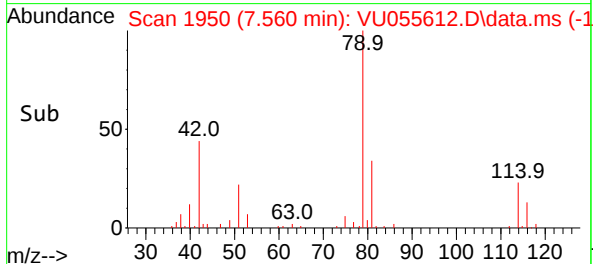
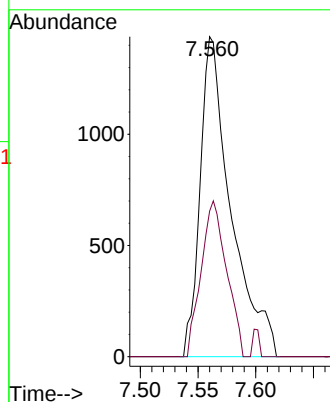
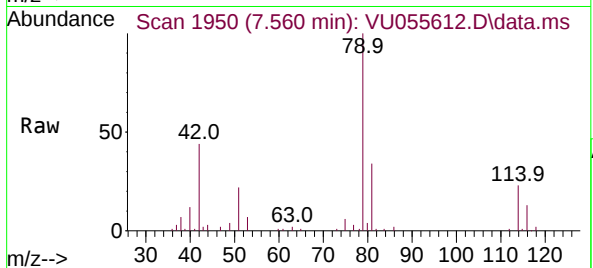
ClientSampleId :

Tgt Ion: 75 Resp: 2675

Ion Ratio Lower Upper

75 100

77 45.5 21.6 40.2#



#42

Toluene

Concen: 8.869 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055612.D

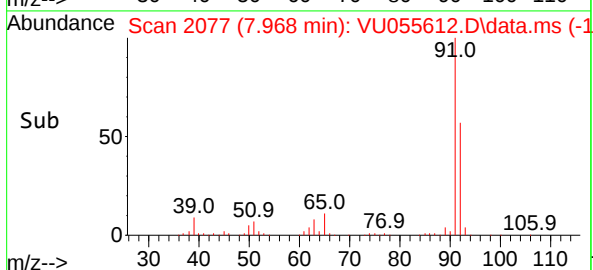
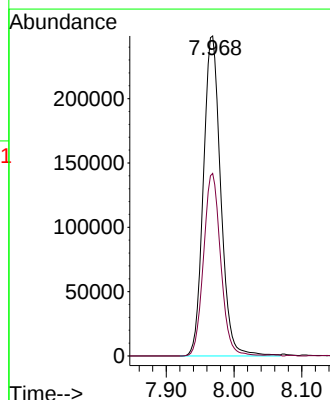
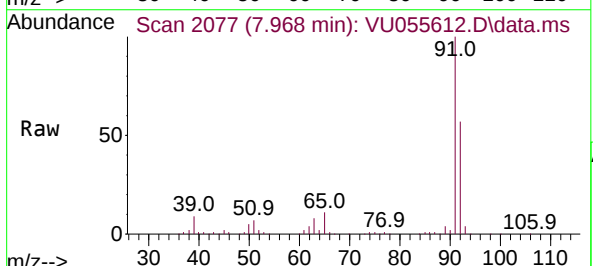
Acq: 02 Oct 2023 18:16

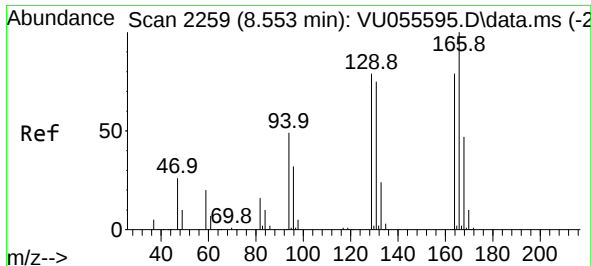
Tgt Ion: 91 Resp: 442076

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.8





#47

Tetrachloroethene

Concen: 5.865 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

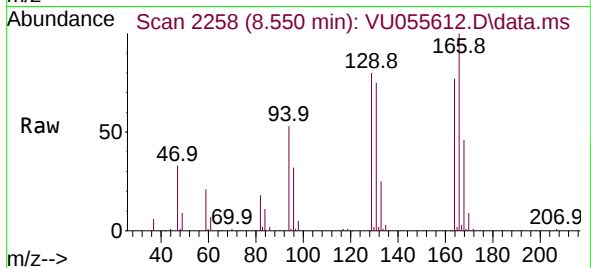
Lab File: VU055612.D

Acq: 02 Oct 2023 18:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 55615

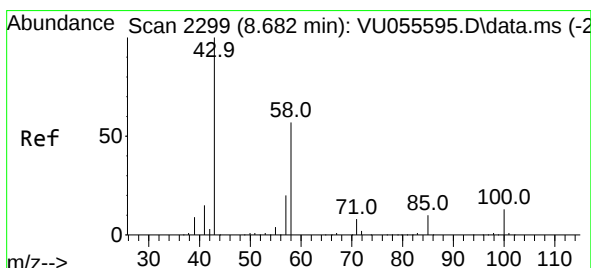
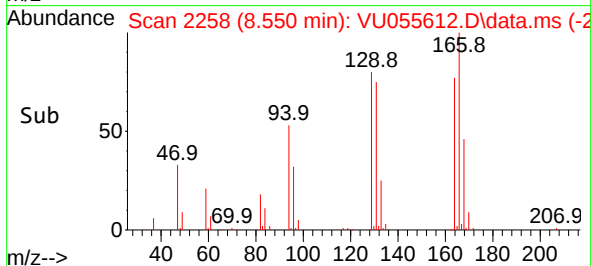
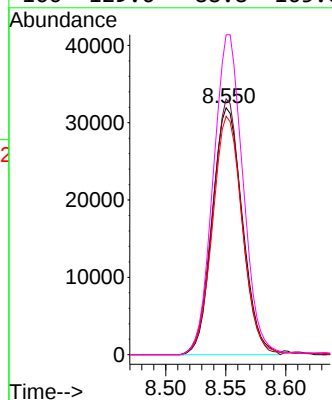
Ion Ratio Lower Upper

164 100

129 103.7 67.4 125.2

131 96.6 66.4 123.2

166 129.6 88.8 165.0



#48

2-Hexanone

Concen: 4.126 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055612.D

Acq: 02 Oct 2023 18:16

Tgt Ion: 43 Resp: 17726

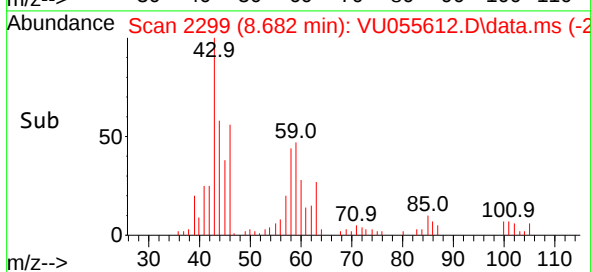
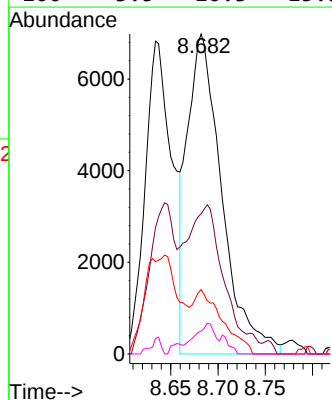
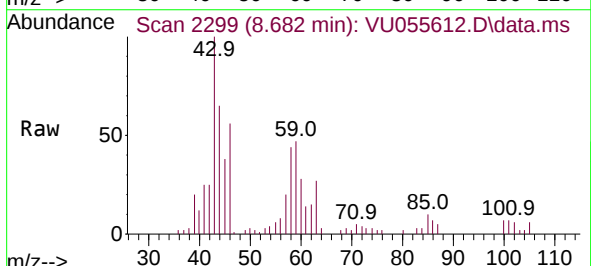
Ion Ratio Lower Upper

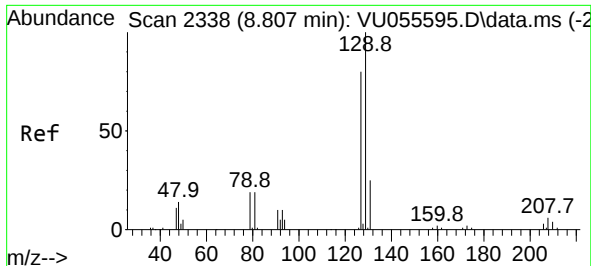
43 100

58 44.7 48.5 72.7#

57 17.0 17.0 25.4

100 3.5 10.3 15.5#

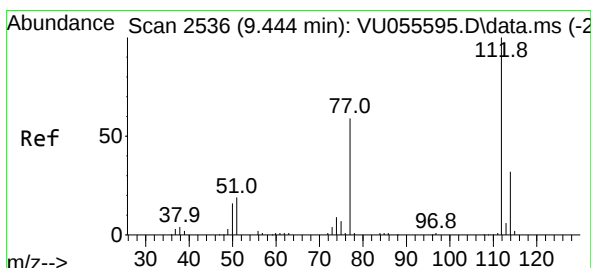
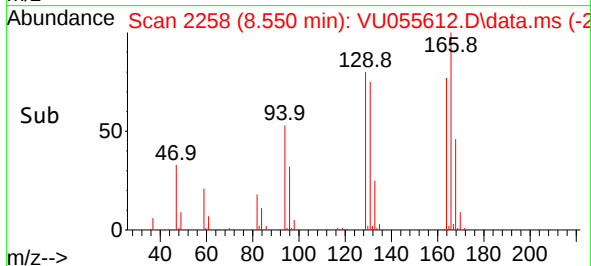
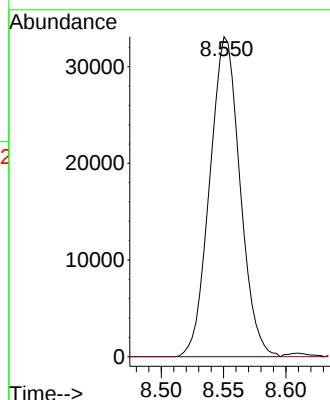
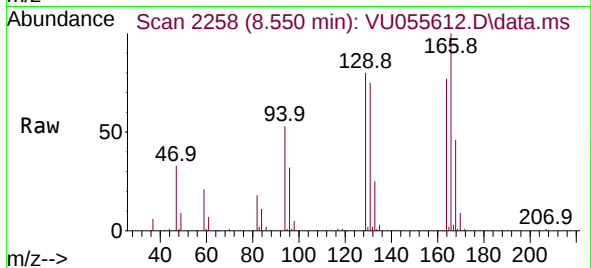




#49
Dibromochloromethane
Concen: 6.232 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.258 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

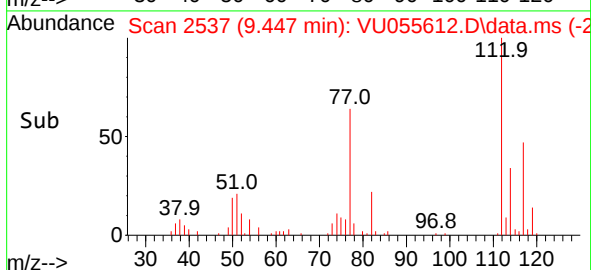
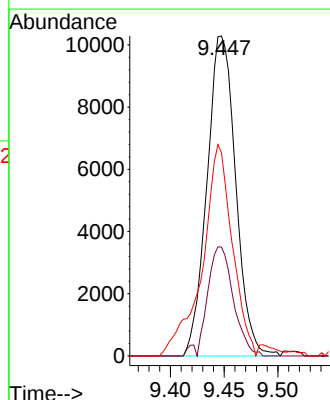
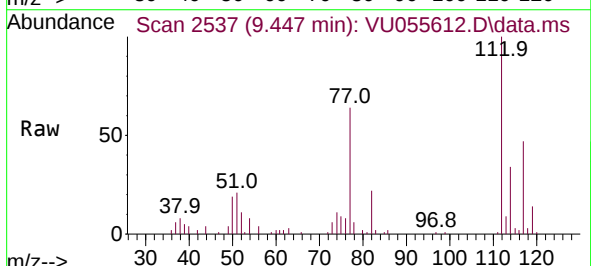
Instrument :
MSVOA_U
ClientSampleId :

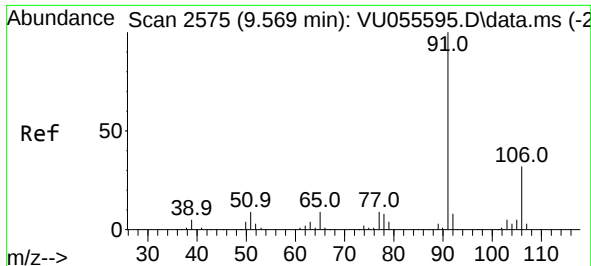
Tgt Ion:129 Resp: 55977
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#51
Chlorobenzene
Concen: 0.600 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

Tgt Ion:112 Resp: 19168
Ion Ratio Lower Upper
112 100
114 34.0 22.0 40.8
77 63.5 46.9 70.3

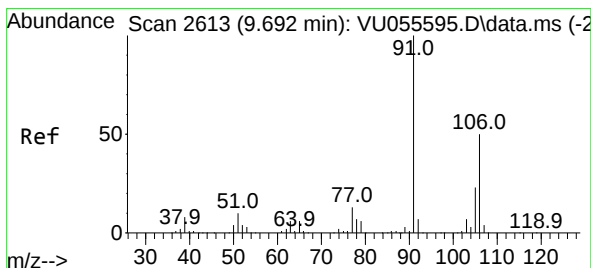
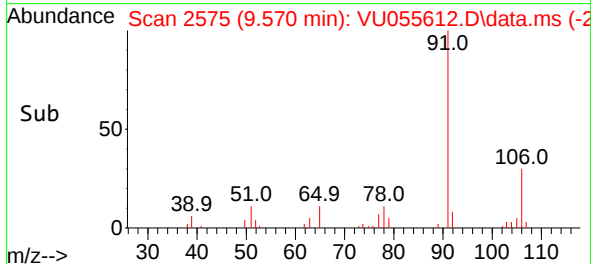
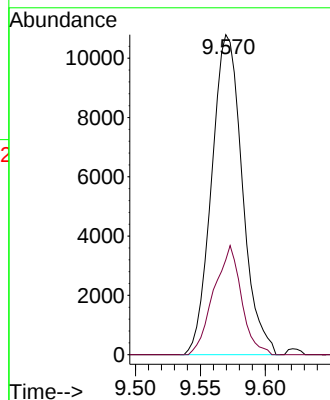
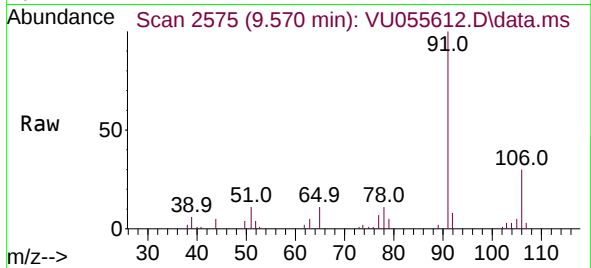




#52
Ethylbenzene
Concen: 0.331 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

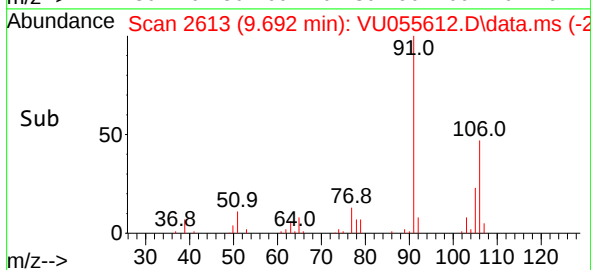
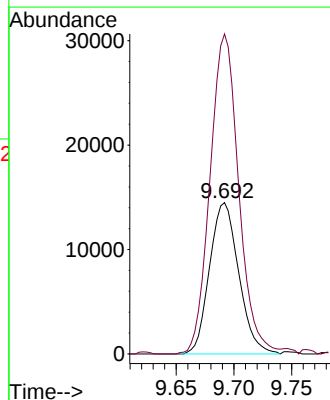
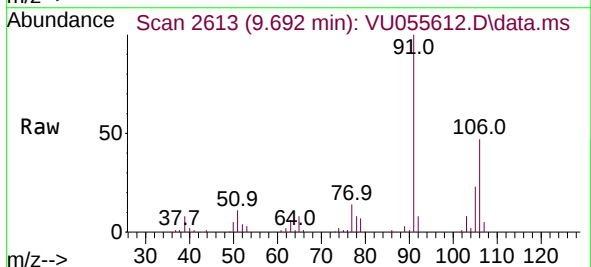
Instrument :
MSVOA_U
ClientSampleId :

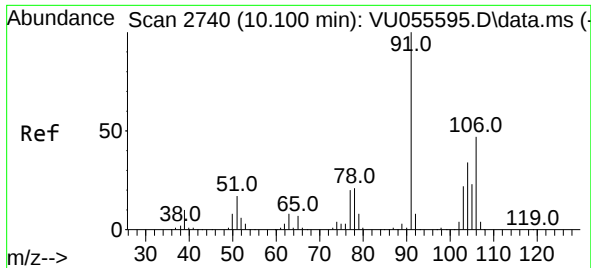
Tgt Ion: 91 Resp: 17701
Ion Ratio Lower Upper
91 100
106 29.6 22.4 41.6



#53
m,p-Xylene
Concen: 1.272 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

Tgt Ion: 106 Resp: 25467
Ion Ratio Lower Upper
106 100
91 211.3 144.8 269.0

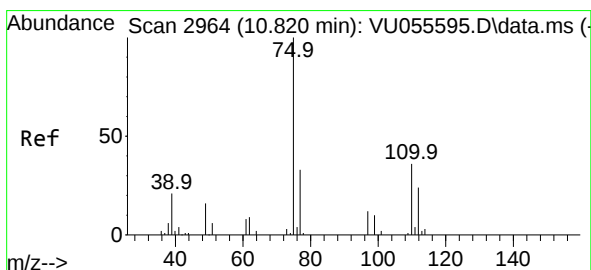
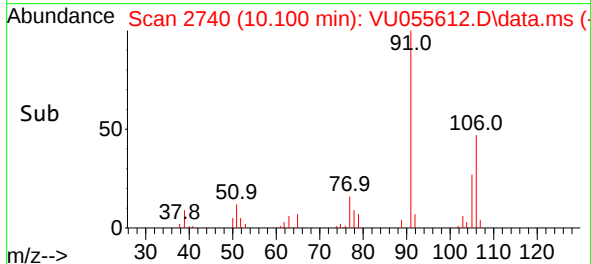
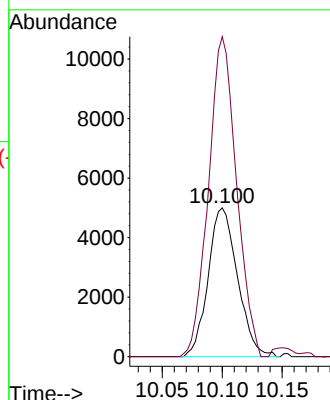
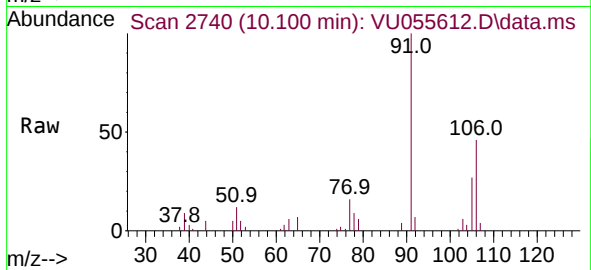




#54
o-Xylene
Concen: 0.437 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

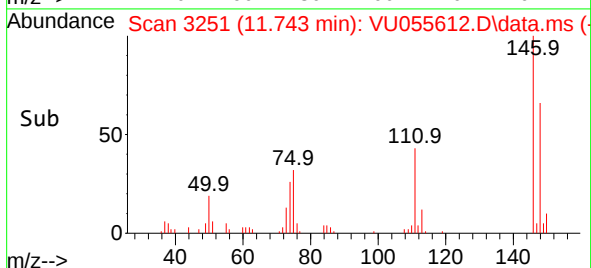
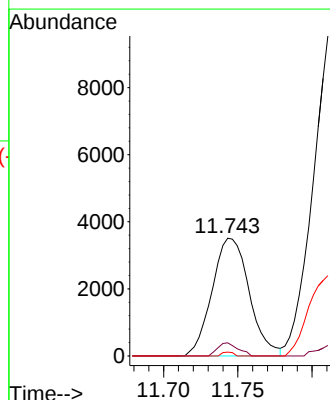
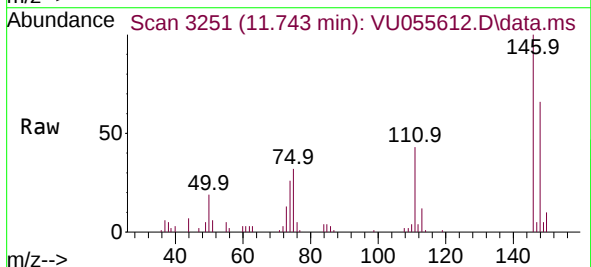
Instrument :
MSVOA_U
ClientSampleId :

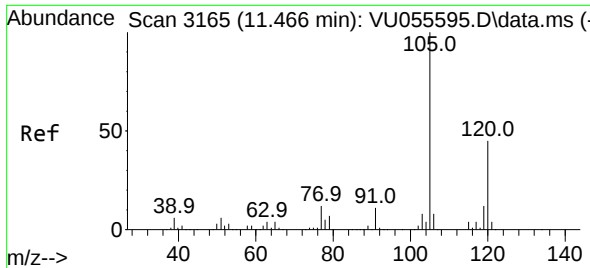
Tgt Ion:106 Resp: 8515
Ion Ratio Lower Upper
106 100
91 215.2 157.6 292.8



#61
1,2,3-Trichloropropane
Concen: 0.902 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.923 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

Tgt Ion: 75 Resp: 6111
Ion Ratio Lower Upper
75 100
110 6.1 30.6 45.8#
77 22.7 26.7 40.1#

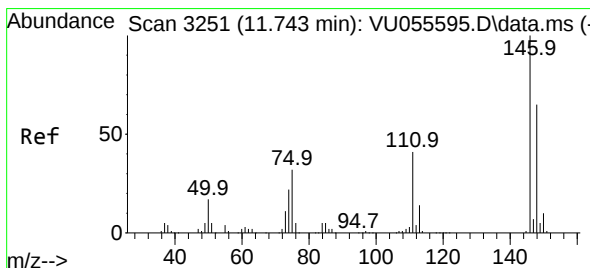
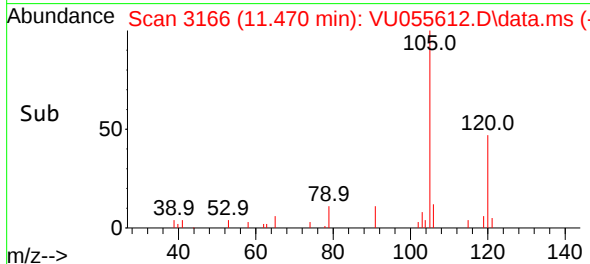
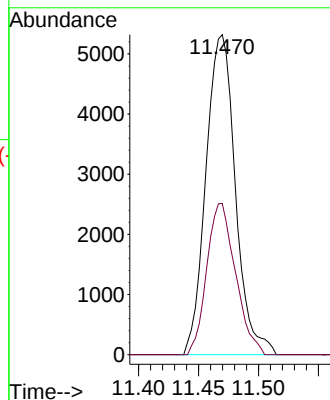
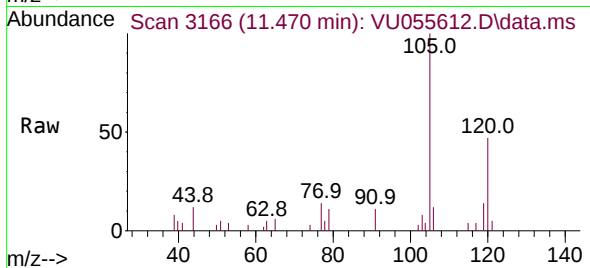




#63
 1,2,4-Trimethylbenzene
 Concen: 0.232 ug/L
 RT: 11.470 min Scan# 3166
 Delta R.T. 0.006 min
 Lab File: VU055612.D
 Acq: 02 Oct 2023 18:16

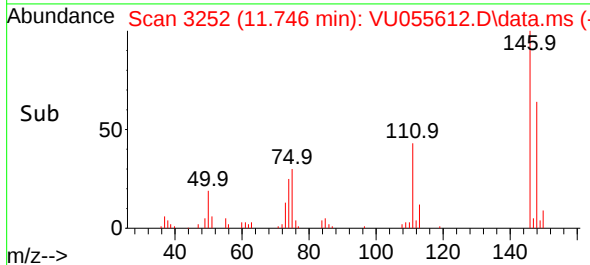
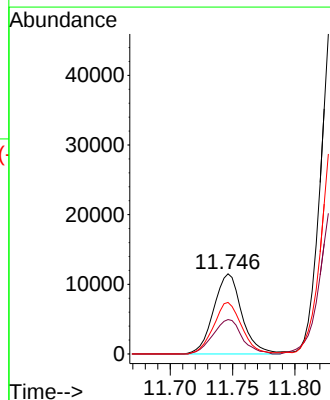
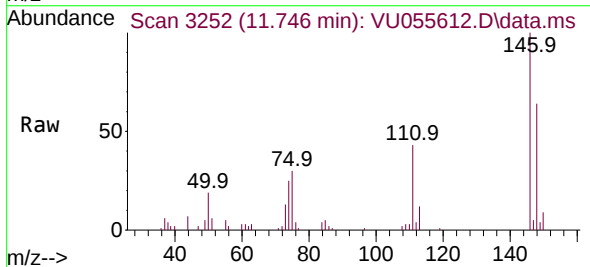
Instrument :
 MSVOA_U
 ClientSampleId :

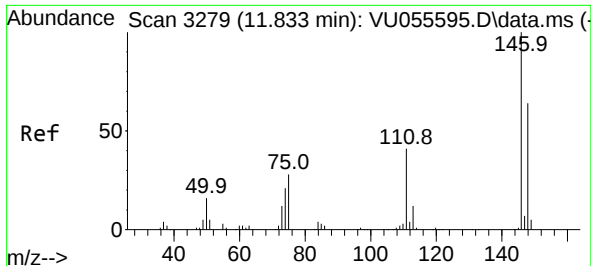
Tgt Ion:105 Resp: 9091
 Ion Ratio Lower Upper
 105 100
 120 46.0 34.9 52.3



#64
 1,3-Dichlorobenzene
 Concen: 0.758 ug/L
 RT: 11.746 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU055612.D
 Acq: 02 Oct 2023 18:16

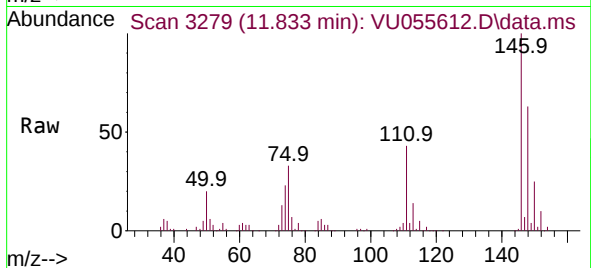
Tgt Ion:146 Resp: 18147
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.8 53.6
 148 64.3 44.6 82.8



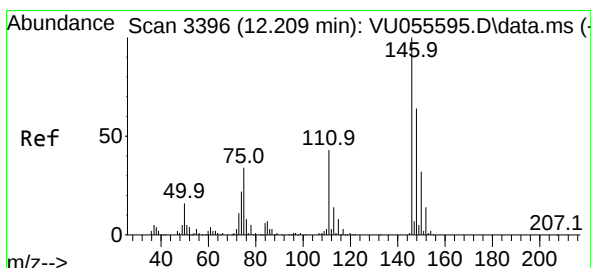
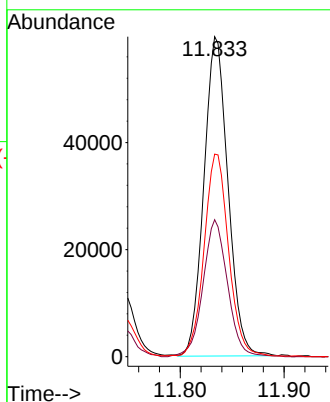
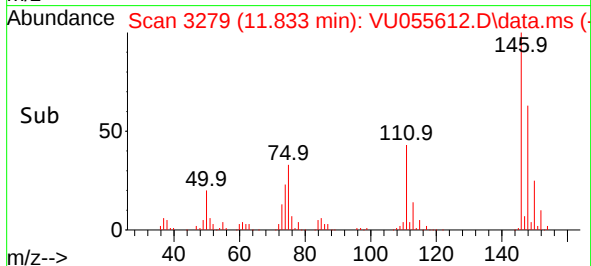


#65
1,4-Dichlorobenzene
Concen: 4.013 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16

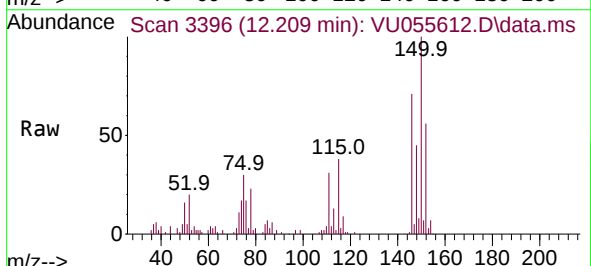
Instrument :
MSVOA_U
ClientSampleId :



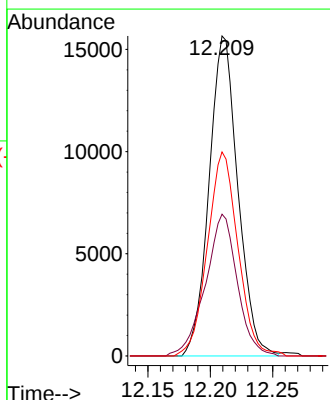
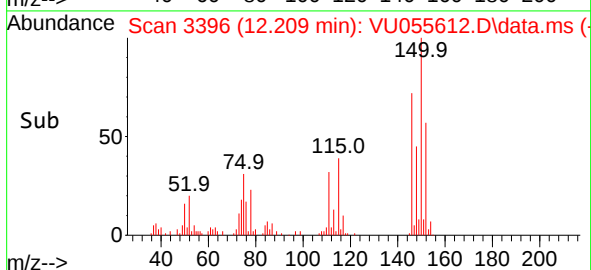
Tgt Ion:146 Resp: 96025
Ion Ratio Lower Upper
146 100
111 42.8 29.0 53.8
148 63.3 45.4 84.4

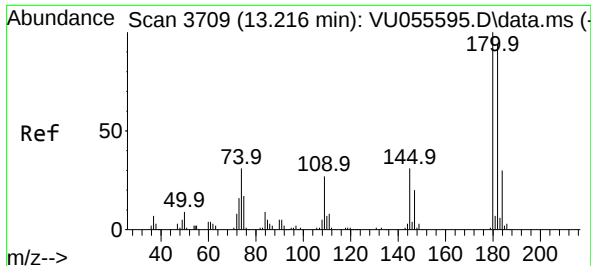


#67
1,2-Dichlorobenzene
Concen: 1.147 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU055612.D
Acq: 02 Oct 2023 18:16



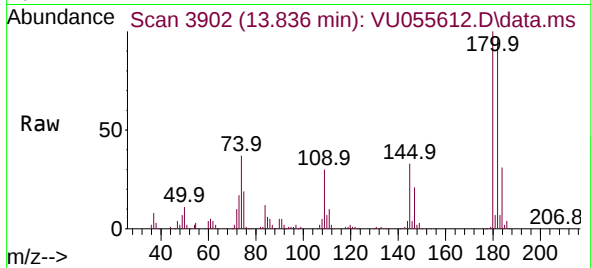
Tgt Ion:146 Resp: 25185
Ion Ratio Lower Upper
146 100
111 44.3 34.6 52.0
148 63.8 51.8 77.8



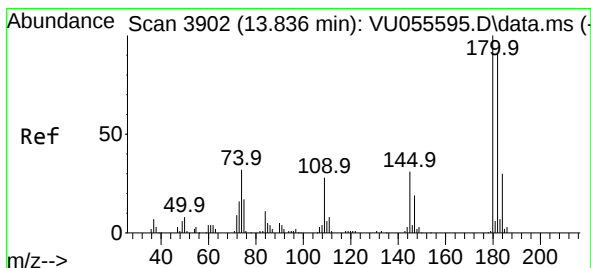
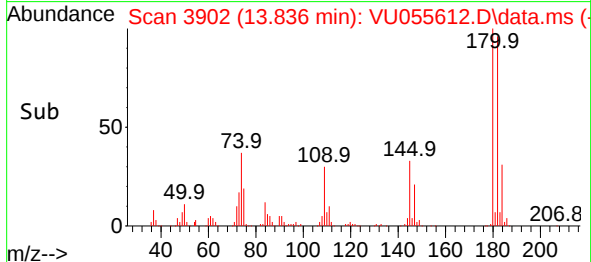
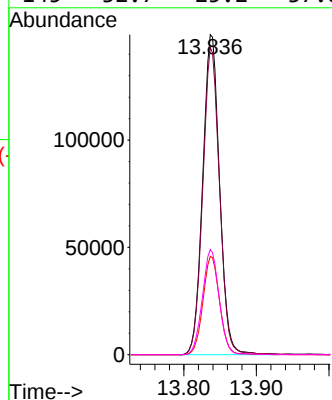


#69
 1,3,5-Trichlorobenzene
 Concen: 14.632 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.620 min
 Lab File: VU055612.D
 Acq: 02 Oct 2023 18:16

Instrument :
 MSVOA_U
 ClientSampleId :

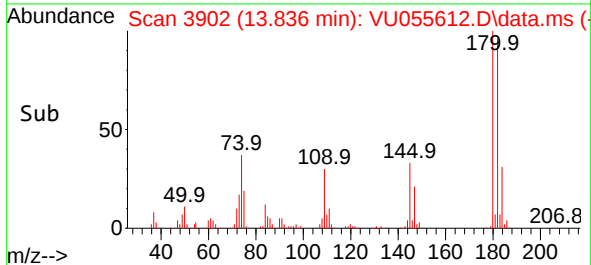
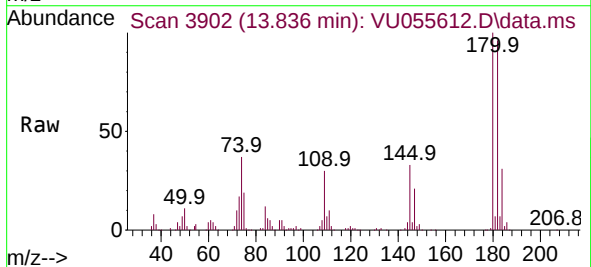
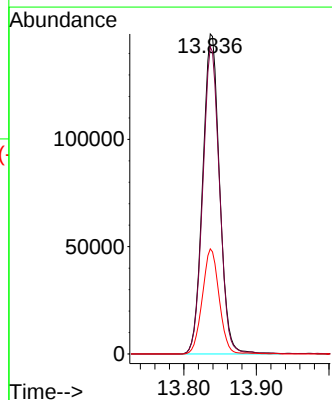


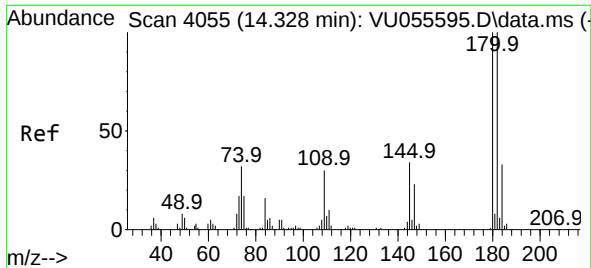
Tgt Ion:180 Resp: 241223
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.1 115.7
 184 30.2 24.0 36.0
 145 32.7 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 19.192 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055612.D
 Acq: 02 Oct 2023 18:16

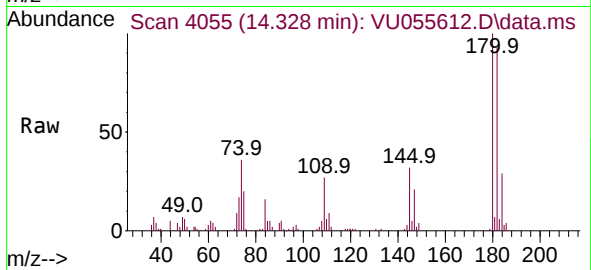
Tgt Ion:180 Resp: 241223
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.4 114.6
 145 32.7 25.4 38.0





#72
 1,2,3-Trichlorobenzene
 Concen: 3.982 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU055612.D
 Acq: 02 Oct 2023 18:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.2	114.4
145	33.7	26.0	39.0

