

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
 Data File : VW027575.D
 Acq On : 07 Dec 2023 15:23
 Operator : SY/MD
 Sample : MDL-05
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 08 05:10:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 08 05:09:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	282859	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	256829	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	122064	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	108763	19.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.440%
7) Chloroethane-d5	2.905	69	86178	20.885	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.520%
11) 1,1-Dichloroethene-d2	4.027	65	50353	20.906	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.640%
21) 2-Butanone-d5	7.081	46	73698	49.410	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.820%
24) Chloroform-d	7.654	84	189955	22.498	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	8.557	65	123	0.028	ug/L	0.25
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.120%#
32) Benzene-d6	8.282	84	399041	22.060	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.240%
36) 1,2-Dichloropropane-d6	9.276	67	121256	22.738	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.960%
41) Toluene-d8	10.325	98	338586	21.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.560%
43) trans-1,3-Dichloroprop...	10.575	79	43949	21.312	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.240%
47) 2-Hexanone-d5	10.922	63	54353	54.703	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.400%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	103012	23.485	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.960%
66) 1,2-Dichlorobenzene-d4	13.855	152	102478	23.950	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
14) Carbon disulfide	4.399	76	8583	0.704	ug/L #	88
16) Methylene chloride	4.923	84	12900	2.797	ug/L	94
17) trans-1,2-Dichloroethene	5.435	96	2867	0.689	ug/L	90
40) 4-Methyl-2-pentanone	10.215	43	3760	1.189	ug/L #	89
45) 1,1,2-Trichloroethane	10.788	97	1986	0.609	ug/L	92
49) Dibromochloromethane	11.129	129	2022	0.628	ug/L	84
54) o-Xylene	12.166	106	3977	0.558	ug/L	81
55) Styrene	12.184	104	6406	0.526	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	3065	0.722	ug/L #	79
61) 1,2,3-Trichloropropane	12.769	75	2075	0.705	ug/L #	87
62) 1,3,5-Trimethylbenzene	12.940	105	7492	0.503	ug/L	100
63) 1,2,4-Trimethylbenzene	13.251	105	7937	0.535	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	4603	0.596	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.629	75	1033	1.459	ug/L #	9
69) 1,3,5-Trichlorobenzene	14.629	180	3057	0.589	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	2367	0.587	ug/L	96
71) Naphthalene	15.360	128	5076	0.599	ug/L #	89
72) 1,2,3-Trichlorobenzene	15.549	180	2008	0.581	ug/L #	82

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Quant Title : SFAM01.0
QLast Update : Fri Dec 08 05:09:42 2023
Response via : Initial Calibration

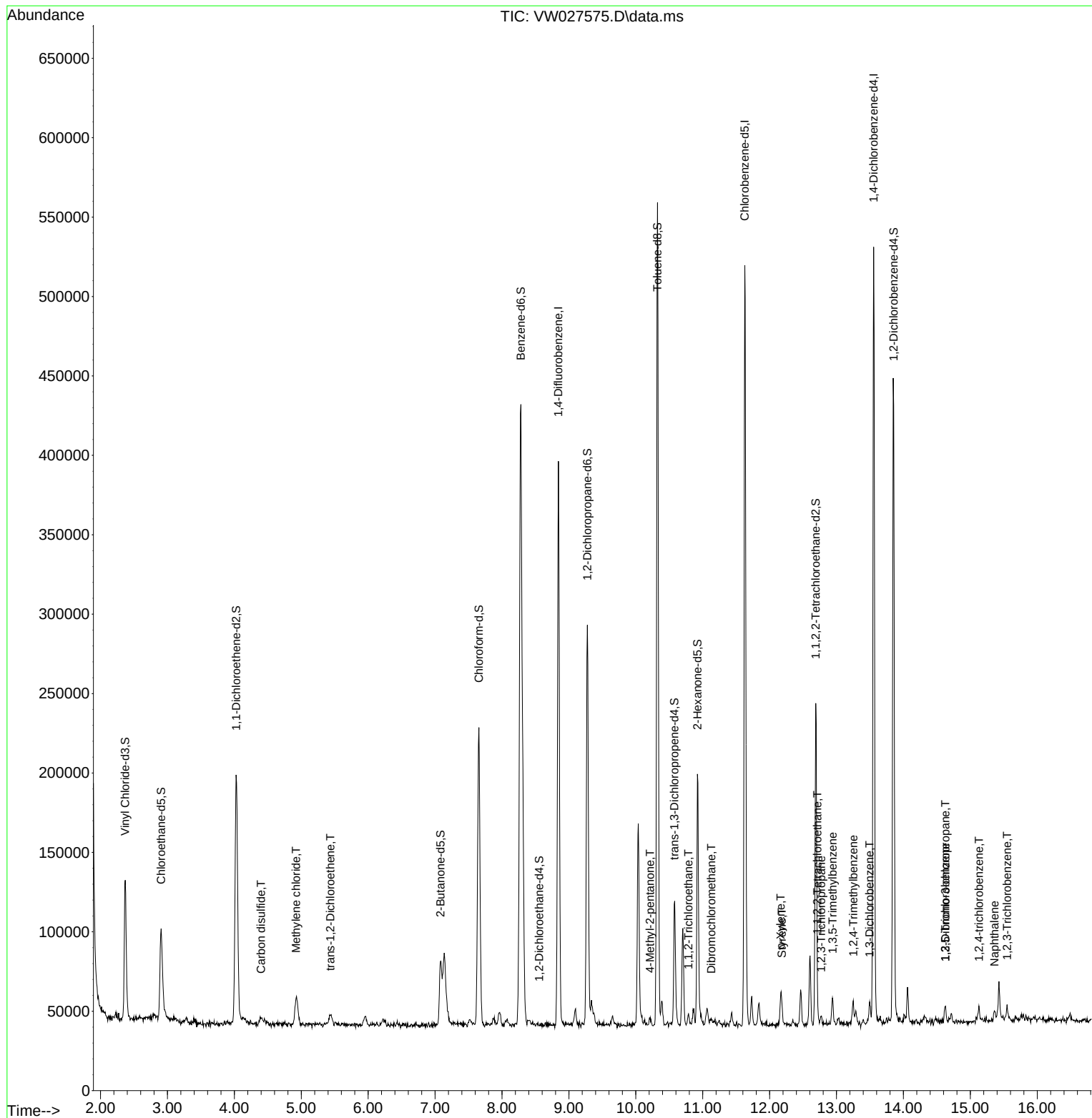
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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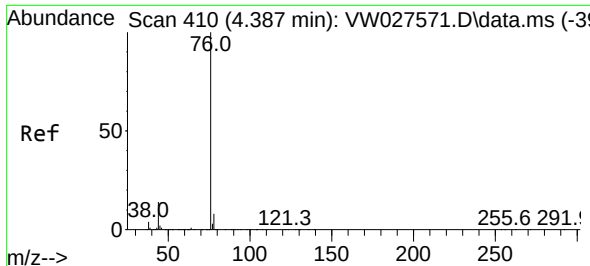
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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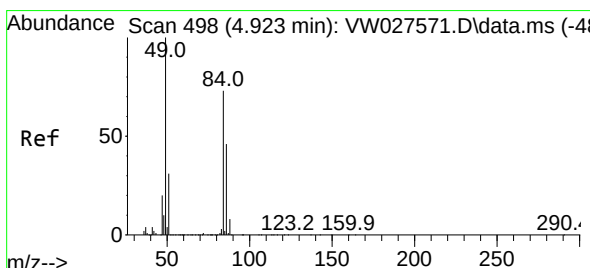
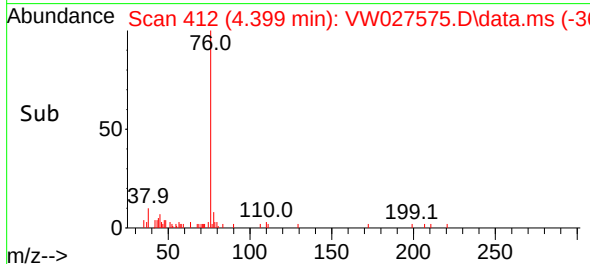
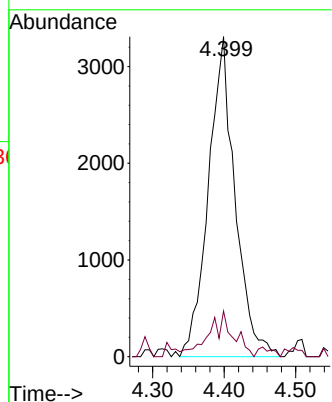
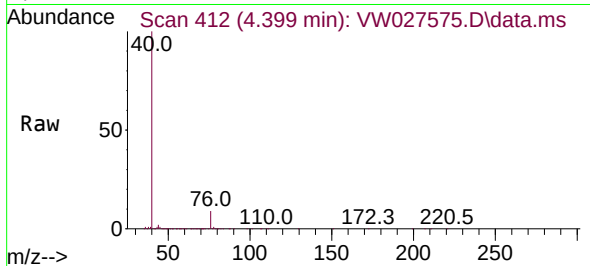




#14
Carbon disulfide
Concen: 0.704 ug/L
RT: 4.399 min Scan# 410
Delta R.T. 0.012 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

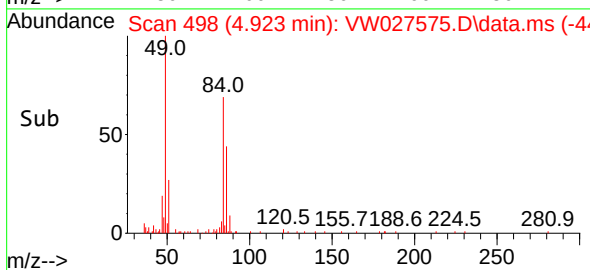
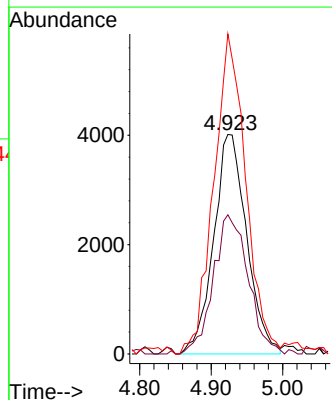
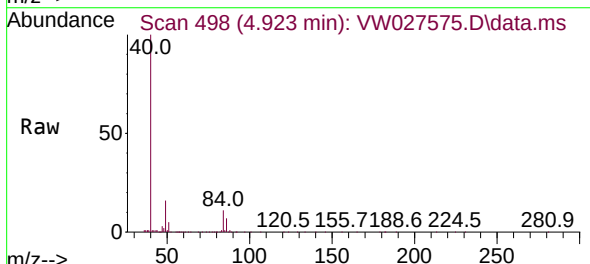
Instrument :
MSVOA_W
ClientSampleId :

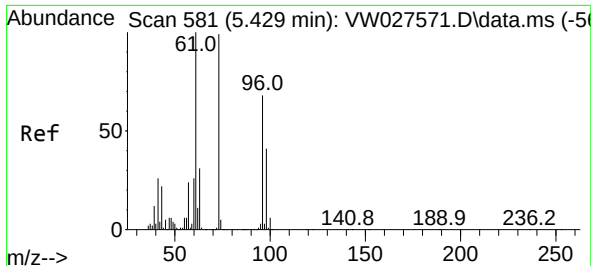
Tgt Ion: 76 Resp: 8583
Ion Ratio Lower Upper
76 100
78 14.3 7.8 11.6#



#16
Methylene chloride
Concen: 2.797 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

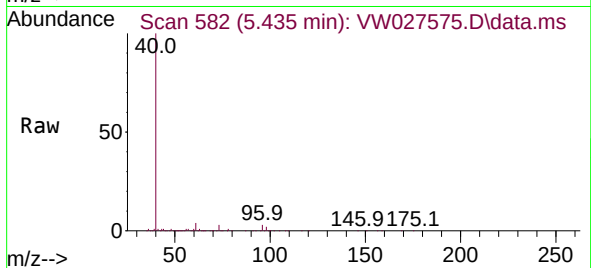
Tgt Ion: 84 Resp: 12900
Ion Ratio Lower Upper
84 100
86 63.4 47.7 88.7
49 145.8 97.4 181.0





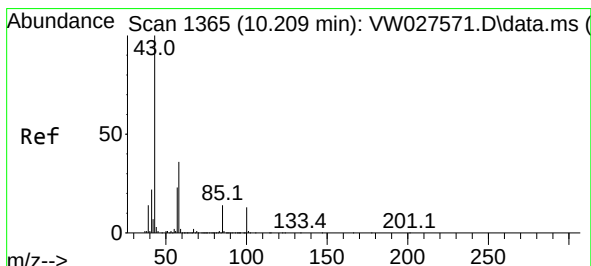
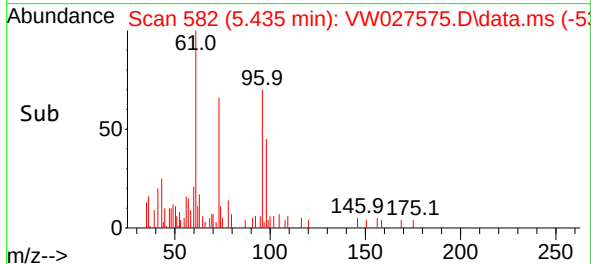
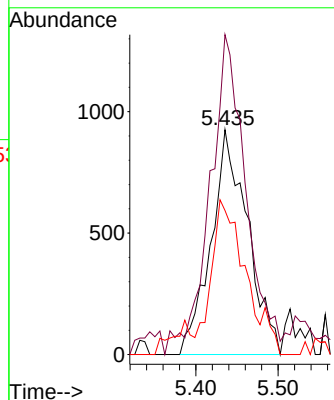
#17
trans-1,2-Dichloroethene
Concen: 0.689 ug/L
RT: 5.435 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 2867

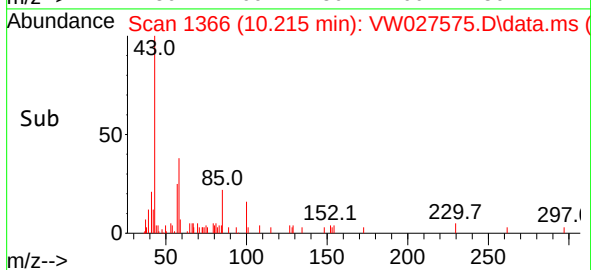
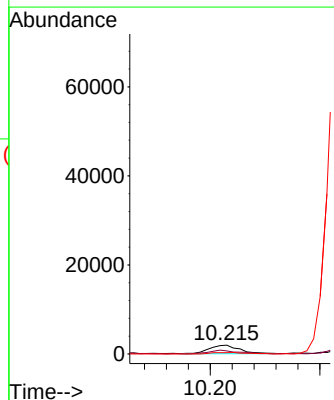
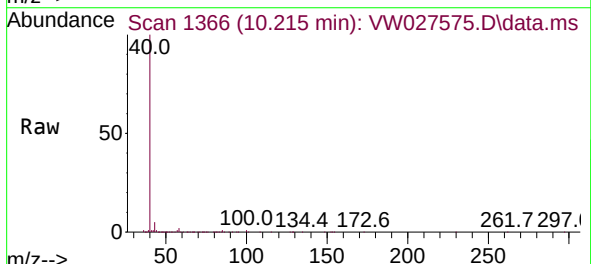
Ion	Ratio	Lower	Upper
96	100		
61	142.2	109.6	203.6
98	64.0	41.9	77.7

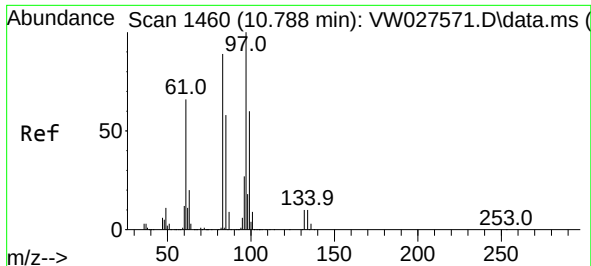


#40
4-Methyl-2-pentanone
Concen: 1.189 ug/L
RT: 10.215 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Tgt Ion: 43 Resp: 3760

Ion	Ratio	Lower	Upper
43	100		
58	43.9	29.6	44.4
100	9.5	11.1	16.7





#45

1,1,2-Trichloroethane

Concen: 0.609 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

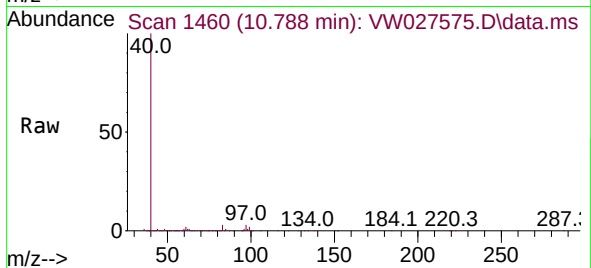
Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 1986

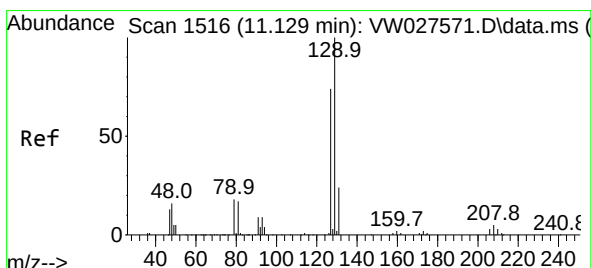
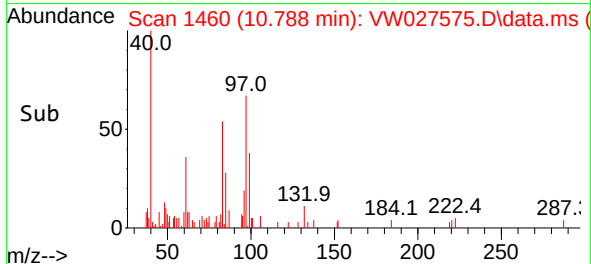
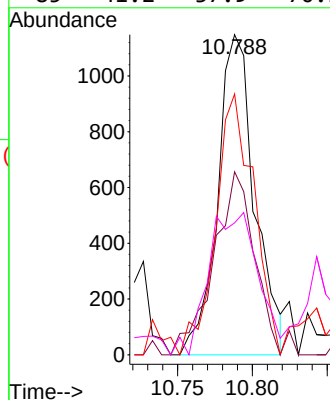
Ion Ratio Lower Upper

97 100

99 57.1 42.8 79.4

83 81.4 59.9 111.3

85 41.2 37.9 70.5



#49

Dibromochloromethane

Concen: 0.628 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW027575.D

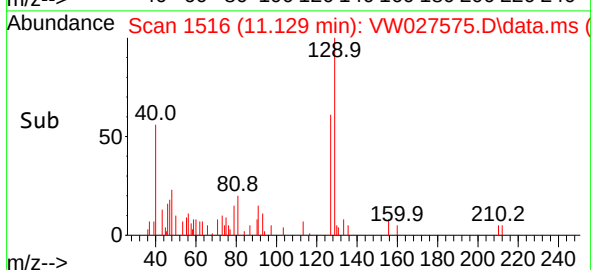
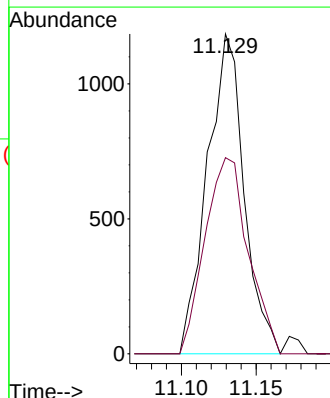
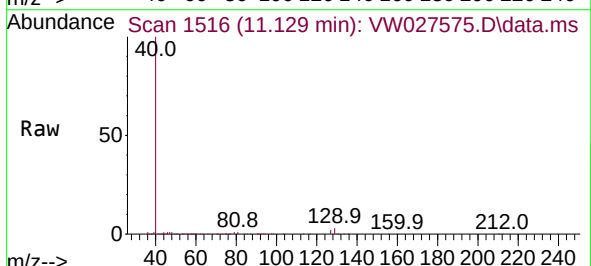
Acq: 07 Dec 2023 15:23

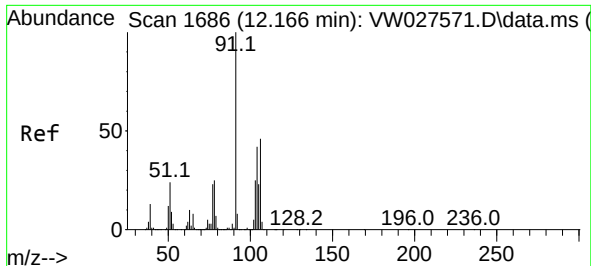
Tgt Ion: 129 Resp: 2022

Ion Ratio Lower Upper

129 100

127 61.4 52.3 97.1

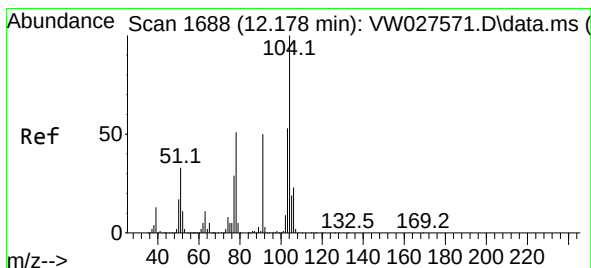
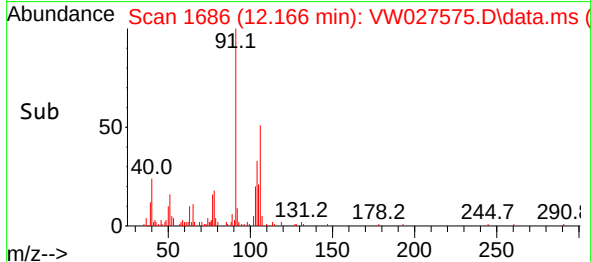
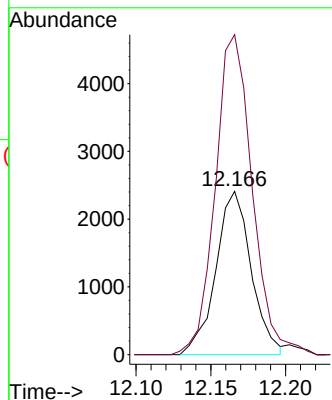
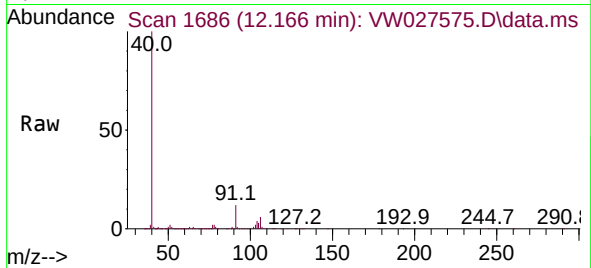




#54
o-Xylene
Concen: 0.558 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

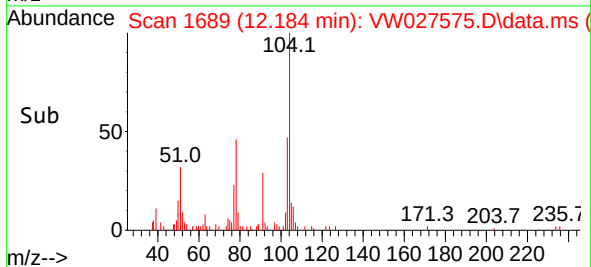
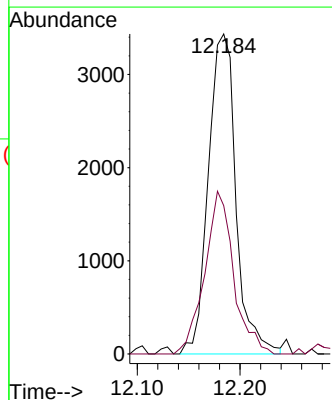
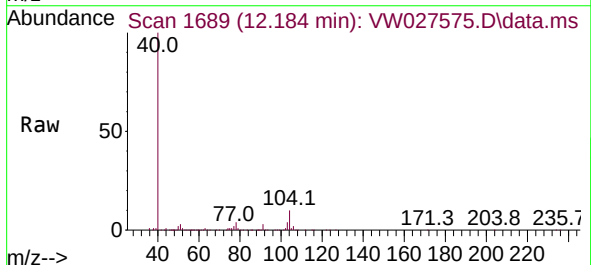
Instrument :
MSVOA_W
ClientSampleId :

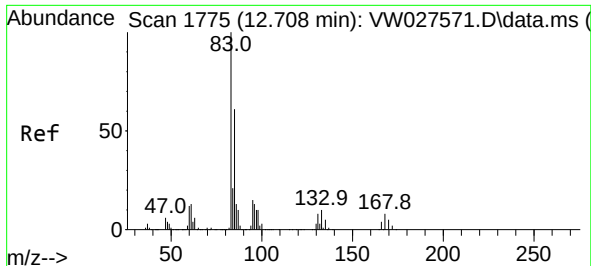
Tgt Ion:106 Resp: 3977
Ion Ratio Lower Upper
106 100
91 195.9 158.8 295.0



#55
Styrene
Concen: 0.526 ug/L
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Tgt Ion:104 Resp: 6406
Ion Ratio Lower Upper
104 100
78 46.3 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.722 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW027575.D

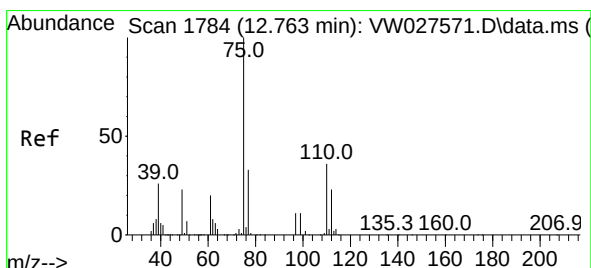
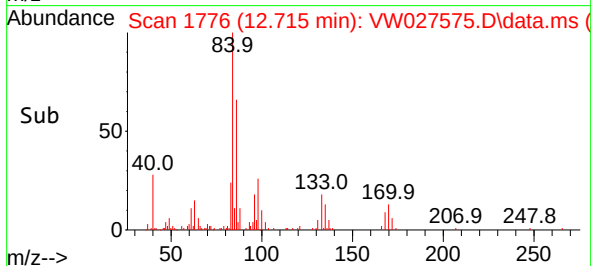
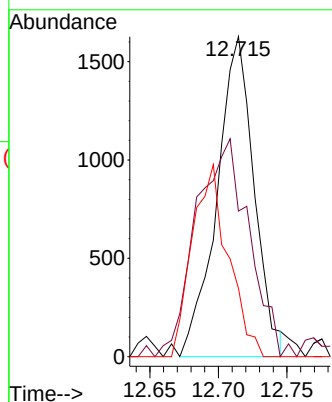
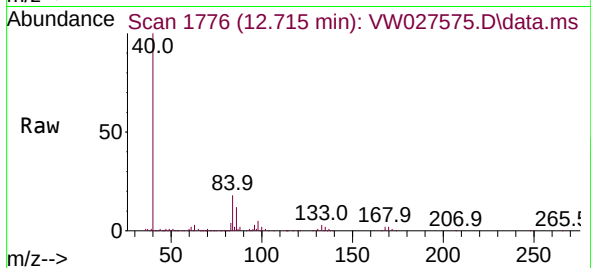
Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp:	3065
Ion Ratio	Lower	Upper
83	100	
85	45.5	41.9 77.7
131	21.4	7.0 10.6#



#61

1,2,3-Trichloropropane

Concen: 0.705 ug/L

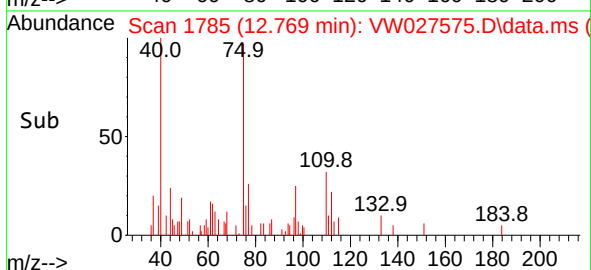
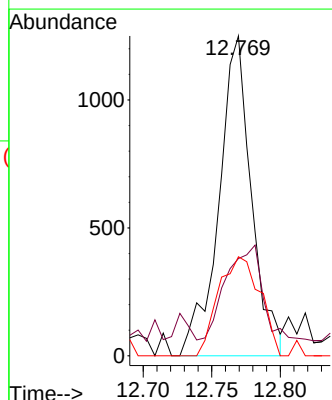
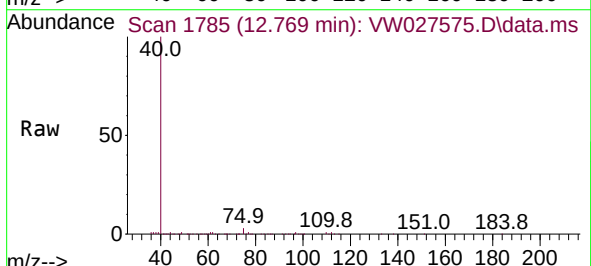
RT: 12.769 min Scan# 1785

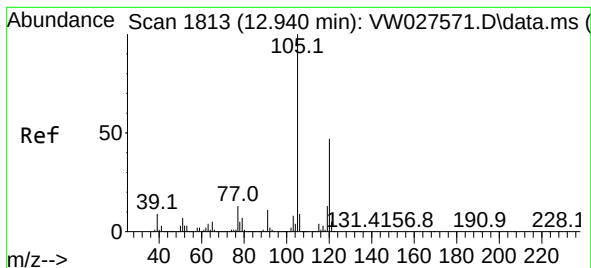
Delta R.T. 0.006 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

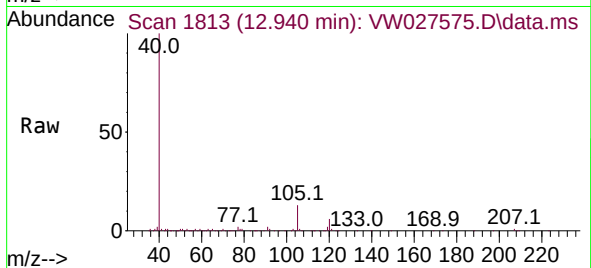
Tgt Ion: 75	Resp:	2075
Ion Ratio	Lower	Upper
75	100	
77	47.8	26.6 39.8#
110	39.4	30.2 45.4



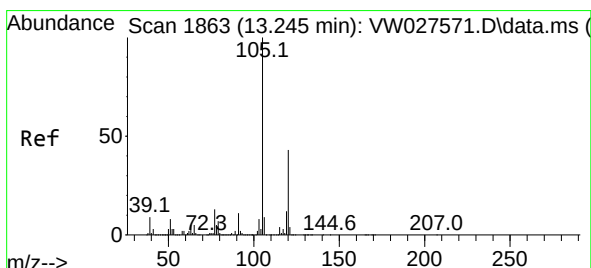
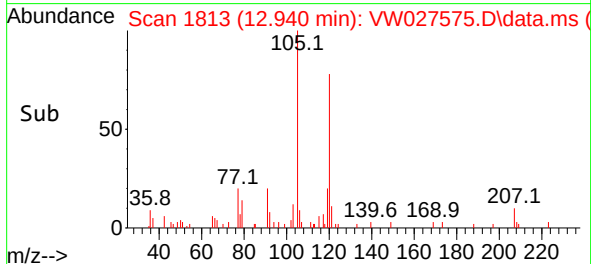
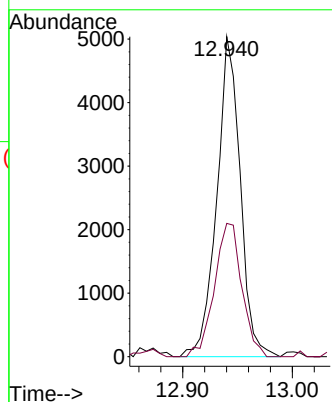


#62
1,3,5-Trimethylbenzene
Concen: 0.503 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Instrument :
MSVOA_W
ClientSampleId :

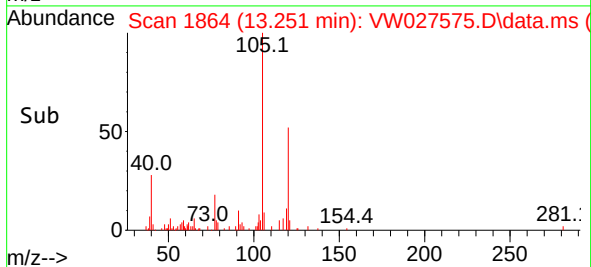
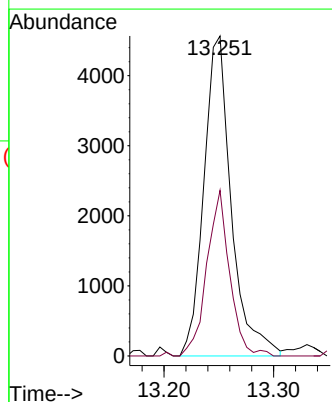
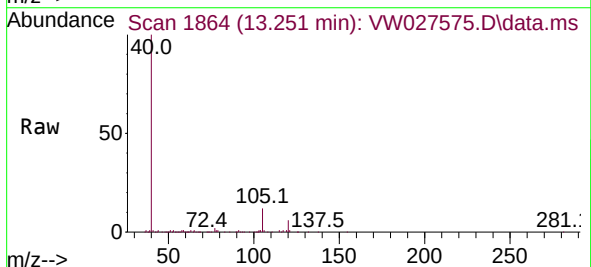


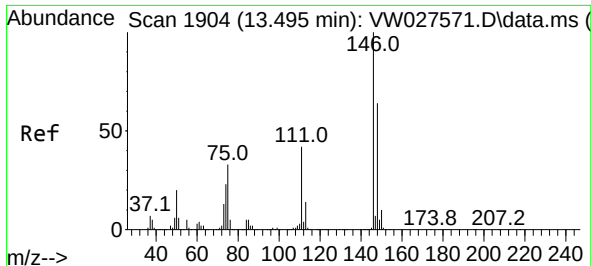
Tgt Ion:105 Resp: 7492
Ion Ratio Lower Upper
105 100
120 48.6 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 0.535 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Tgt Ion:105 Resp: 7937
Ion Ratio Lower Upper
105 100
120 42.4 36.9 55.3

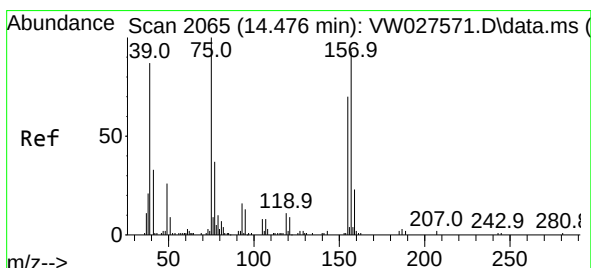
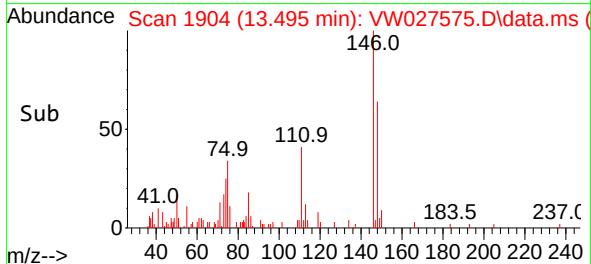
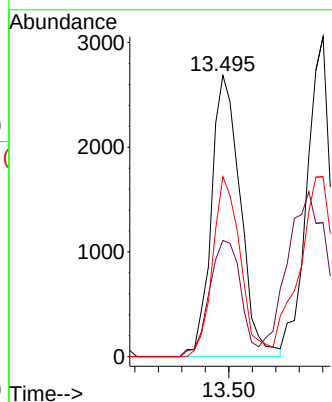
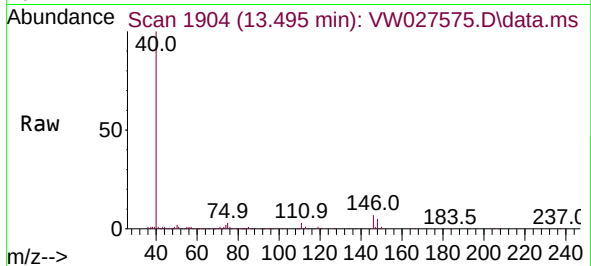




#64
1,3-Dichlorobenzene
Concen: 0.596 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

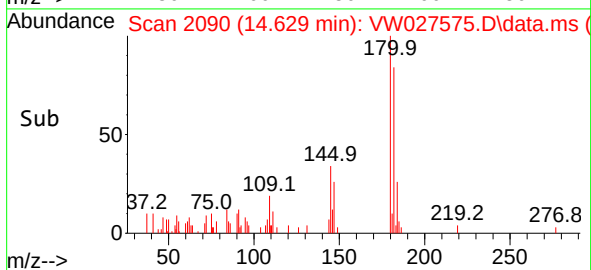
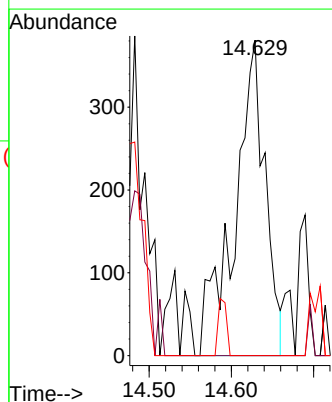
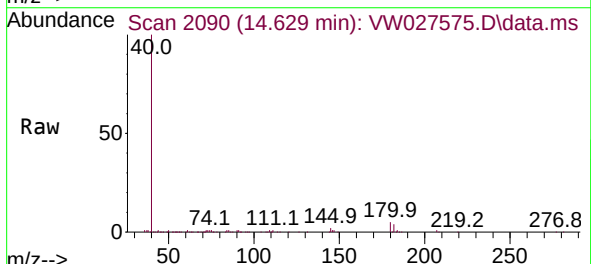
Instrument :
MSVOA_W
ClientSampleId :

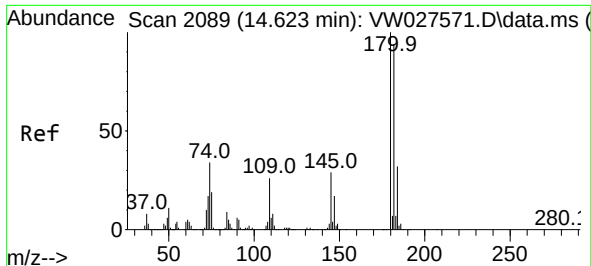
Tgt Ion:146 Resp: 4603
Ion Ratio Lower Upper
146 100
111 41.4 29.5 54.7
148 64.0 42.8 79.6



#68
1,2-Dibromo-3-chloropropane
Concen: 1.459 ug/L
RT: 14.629 min Scan# 2090
Delta R.T. 0.153 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Tgt Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
155 0.0 65.8 98.8#
157 0.0 63.0 94.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.589 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

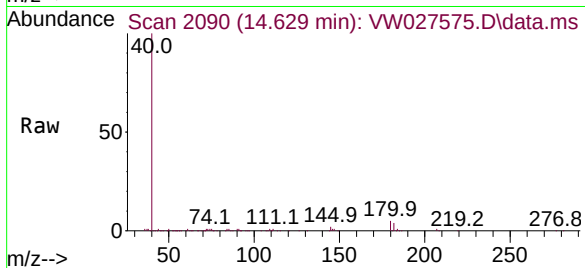
Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 3057

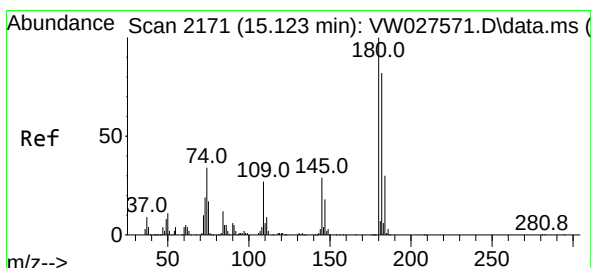
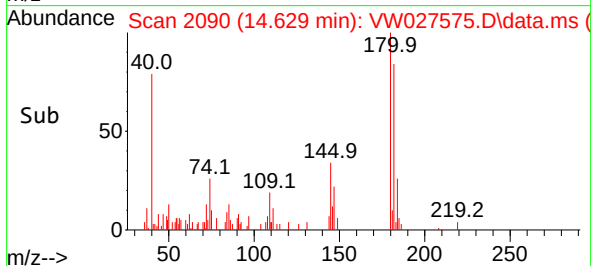
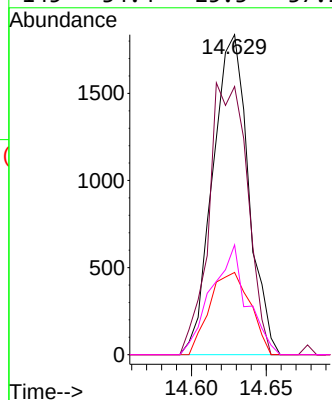
Ion Ratio Lower Upper

180 100

182 91.2 73.2 109.8

184 29.1 25.4 38.2

145 34.4 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 0.587 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

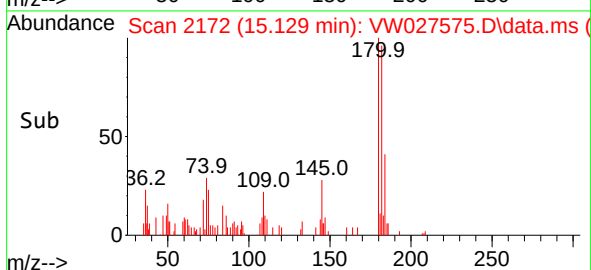
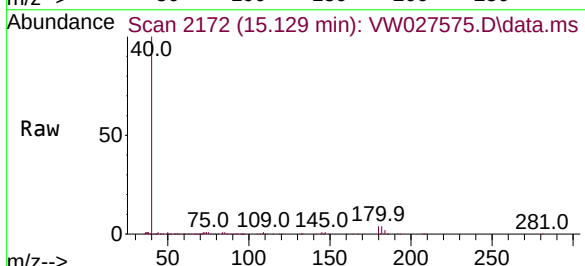
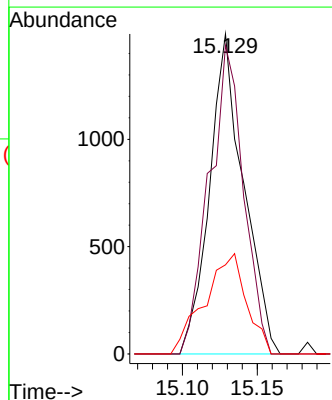
Tgt Ion:180 Resp: 2367

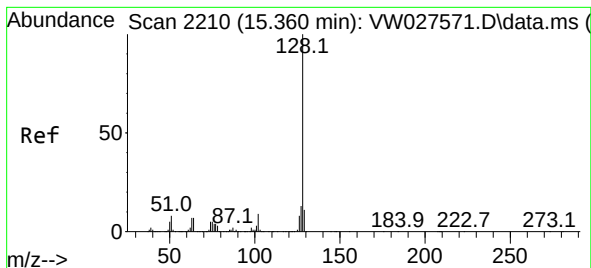
Ion Ratio Lower Upper

180 100

182 96.7 78.7 118.1

145 38.4 26.8 40.2





#71

Naphthalene

Concen: 0.599 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

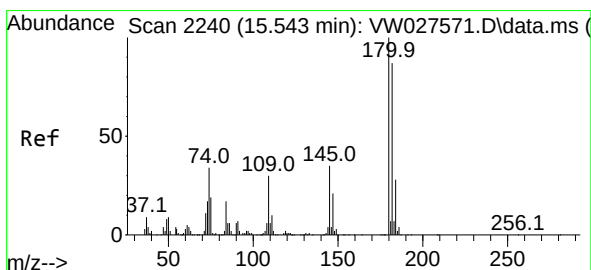
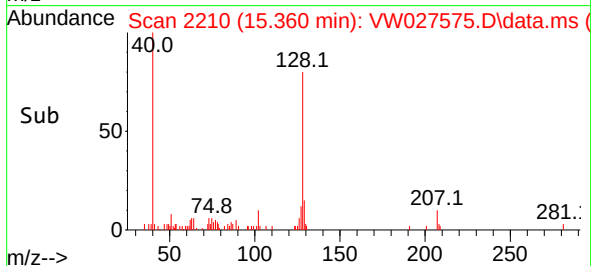
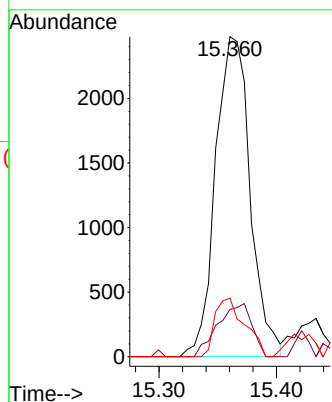
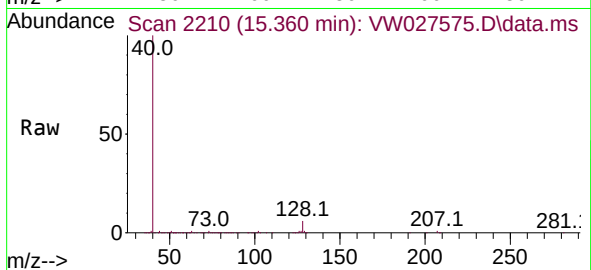
Tgt Ion:128 Resp: 5076

Ion Ratio Lower Upper

128 100

127 16.3 10.3 15.5#

129 15.7 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 0.581 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

Tgt Ion:180 Resp: 2008

Ion Ratio Lower Upper

180 100

182 103.8 72.4 108.6

145 18.0 27.4 41.0#

