

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101923\
 Data File : VW027358.D
 Acq On : 19 Oct 2023 19:12
 Operator : SY/MD
 Sample : 04953-09MS
 Misc : 4.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 02:52:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 20 02:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	424210	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	322958	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115048	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	141937	21.924	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.680%
7) Chloroethane-d5	2.899	69	110386	23.746	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	4.021	65	65814	20.288	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.160%
21) 2-Butanone-d5	7.087	46	74103	34.437	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.880%
24) Chloroform-d	7.648	84	274926	21.744	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.960%
26) 1,2-Dichloroethane-d4	8.307	65	153295	22.571	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.280%
32) Benzene-d6	8.276	84	545051	24.945	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.760%
36) 1,2-Dichloropropane-d6	9.276	67	176803	26.491	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.960%
41) Toluene-d8	10.325	98	436211	22.015	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.040%
43) trans-1,3-Dichloroprop...	10.575	79	62025	20.383	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.520%
47) 2-Hexanone-d5	10.922	63	56263	40.746	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.500%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	119183	23.935	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.760%
66) 1,2-Dichlorobenzene-d4	13.848	152	84601	20.292	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	107353	21.269	ug/L	# 84
3) Chloromethane	2.228	50	144439	24.901	ug/L	98
5) Vinyl chloride	2.375	62	157695	24.338	ug/L	97
6) Bromomethane	2.789	94	73591	19.941	ug/L	95
8) Chloroethane	2.936	64	92120	24.699	ug/L	95
9) Trichlorofluoromethane	3.265	101	119600	26.164	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	113065	19.753	ug/L	93
12) 1,1-Dichloroethene	4.045	96	120400	21.644	ug/L	90
13) Acetone	4.143	43	90283	48.577	ug/L	99
14) Carbon disulfide	4.387	76	313441	18.176	ug/L	100
15) Methyl Acetate	4.679	43	56272	17.727	ug/L	98
16) Methylene chloride	4.917	84	163438	21.048	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	128941	21.568	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	273447	26.511	ug/L	99
19) 1,1-Dichloroethane	6.222	63	291544	23.902	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	146513	21.701	ug/L	95
22) 2-Butanone	7.179	43	126615	45.514	ug/L	95
23) Bromochloromethane	7.514	128	63251	22.692	ug/L	83
25) Chloroform	7.679	83	267630	23.444	ug/L	94

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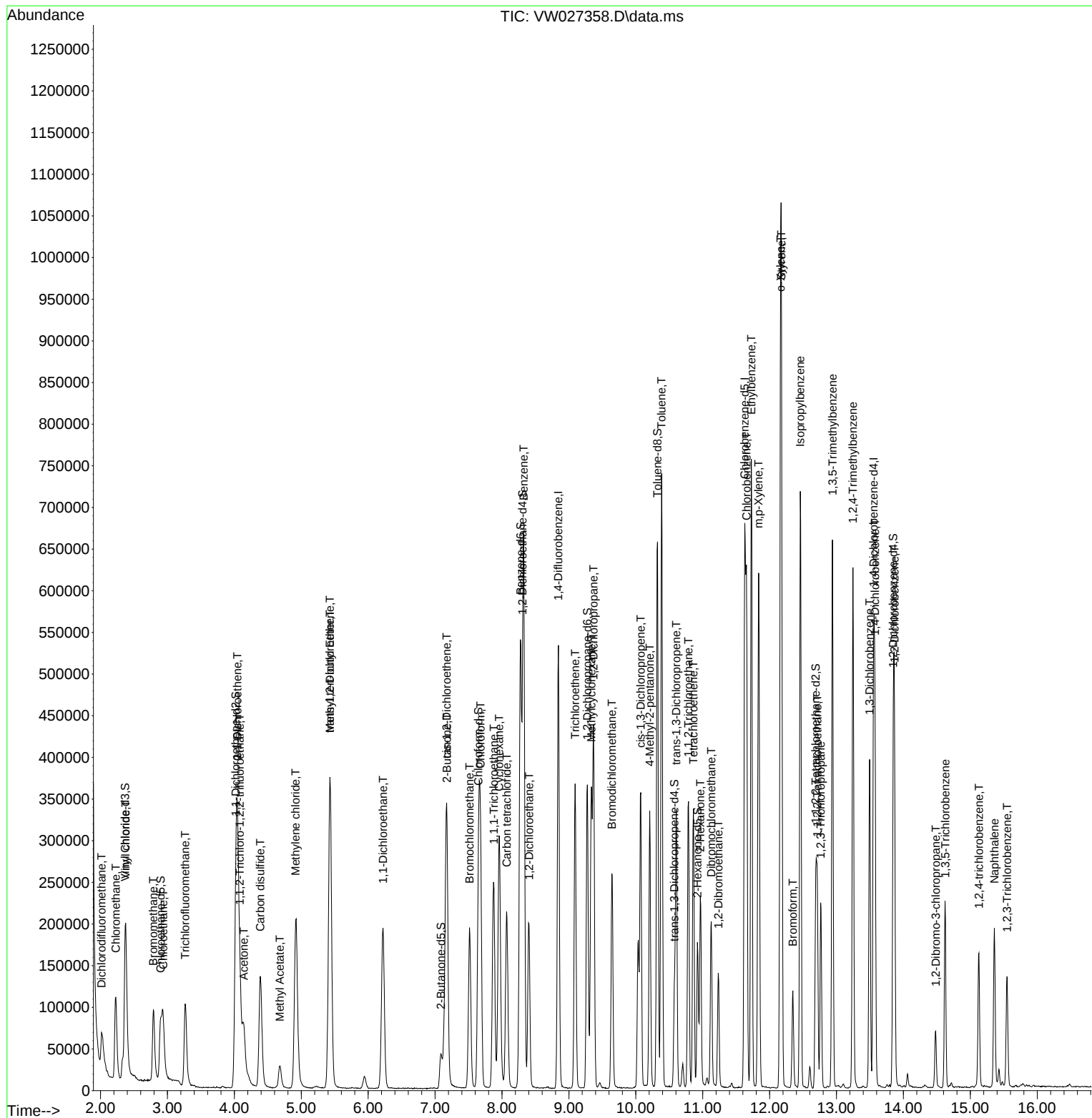
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	185240	23.888	ug/L	98
29) Cyclohexane	7.959	56	189117	19.286	ug/L	98
30) 1,1,1-Trichloroethane	7.880	97	207066	26.284	ug/L	98
31) Carbon tetrachloride	8.069	117	161648	22.756	ug/L	99
33) Benzene	8.325	78	560425	26.552	ug/L	100
34) Trichloroethene	9.093	95	131886	23.656	ug/L	97
35) Methylcyclohexane	9.337	83	141227	14.165	ug/L	98
37) 1,2-Dichloropropane	9.367	63	159953	28.028	ug/L	99
38) Bromodichloromethane	9.642	83	179276	25.547	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	209220	22.193	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	225109	57.356	ug/L	98
42) Toluene	10.386	91	521079	23.534	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	176810	22.228	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	106627	27.151	ug/L	95
46) Tetrachloroethene	10.861	164	69629	18.087	ug/L	92
48) 2-Hexanone	10.965	43	159250	54.822	ug/L	96
49) Dibromochloromethane	11.129	129	101510	23.275	ug/L	99
50) 1,2-Dibromoethane	11.233	107	92442	24.279	ug/L	100
51) Chlorobenzene	11.654	112	290409	20.945	ug/L	99
52) Ethylbenzene	11.727	91	524854	20.399	ug/L	97
53) m,p-Xylene	11.837	106	193440	19.822	ug/L	96
54) o-Xylene	12.166	106	192314	20.579	ug/L	100
55) Styrene	12.178	104	303756	19.032	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.714	83	119300	24.885	ug/L	100
59) Bromoform	12.349	173	49194	28.736	ug/L	98
60) Isopropylbenzene	12.458	105	457884	25.335	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	92182	36.696	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	346275	22.969	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	330778	22.425	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	152762	20.843	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	149384	20.410	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	138199	21.250	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.482	75	18348	29.225	ug/L	95
69) 1,3,5-Trichlorobenzene	14.629	180	61923	13.015	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	48562	11.992	ug/L	97
71) Naphthalene	15.360	128	156565	18.801	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	40462	12.151	ug/L	90

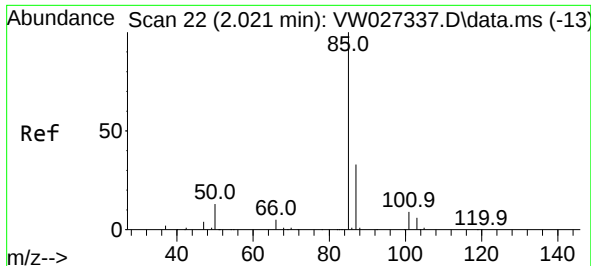
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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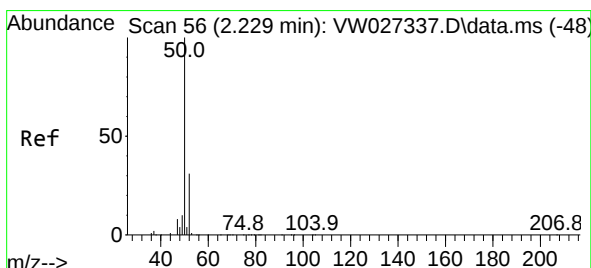
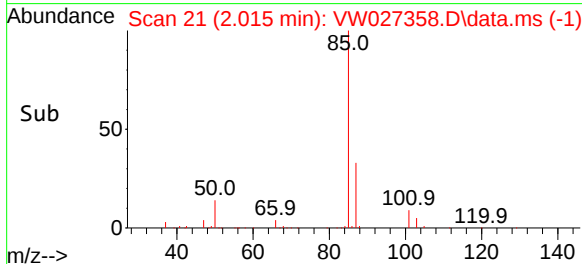
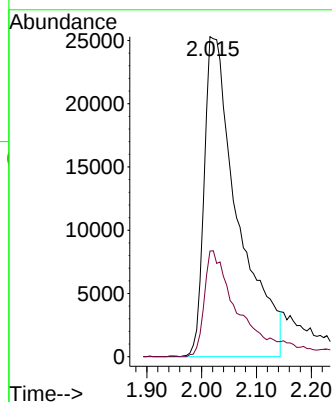
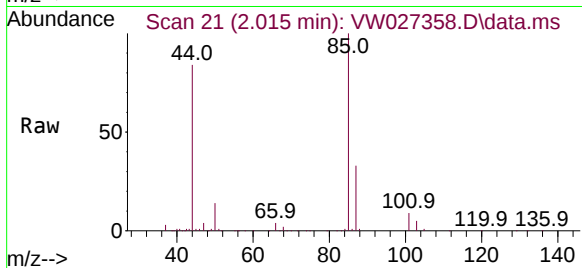




#2
 Dichlorodifluoromethane
 Concen: 21.269 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

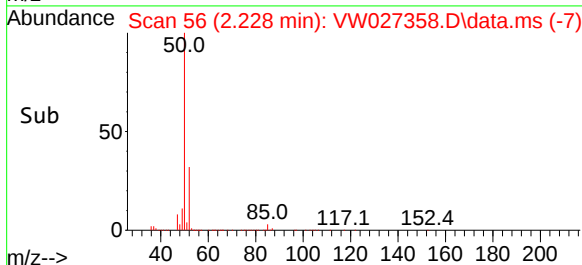
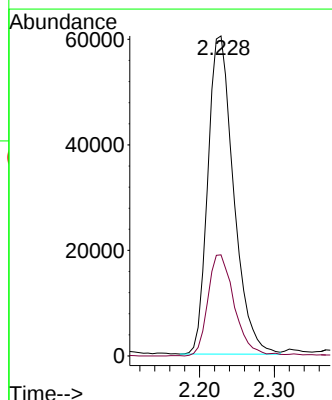
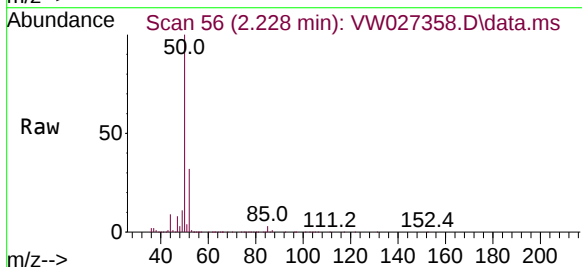
Instrument :
 MSVOA_W
 ClientSampleId :

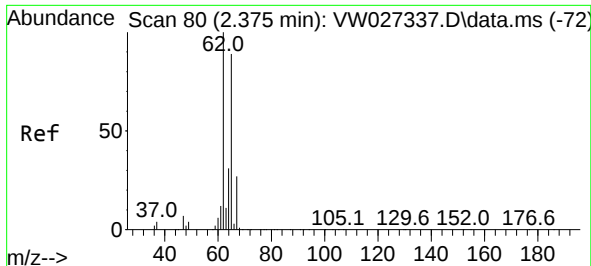
Tgt Ion: 85 Resp: 107353
 Ion Ratio Lower Upper
 85 100
 87 30.6 18.3 27.5#



#3
 Chloromethane
 Concen: 24.901 ug/L
 RT: 2.228 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

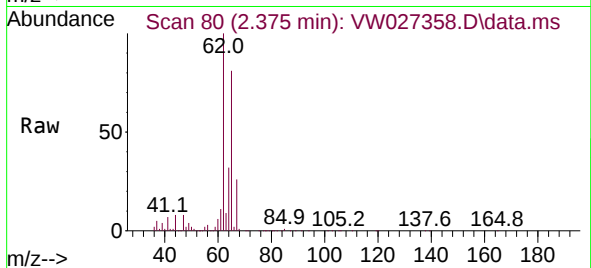
Tgt Ion: 50 Resp: 144439
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.7 42.3



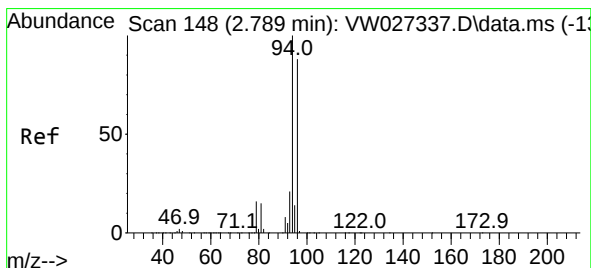
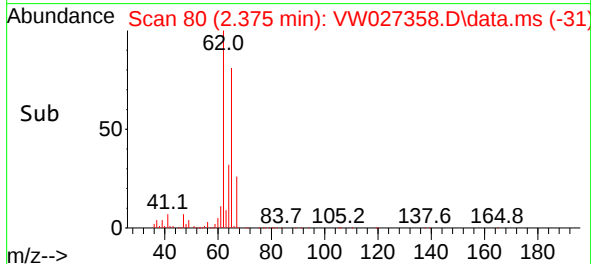
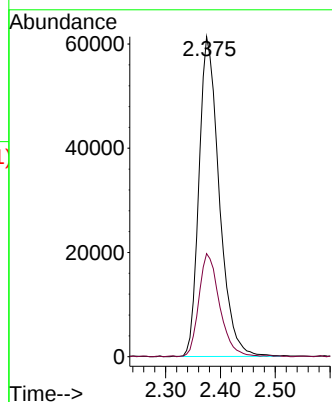


#5
 Vinyl chloride
 Concen: 24.338 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

Instrument :
 MSVOA_W
 ClientSampleId :

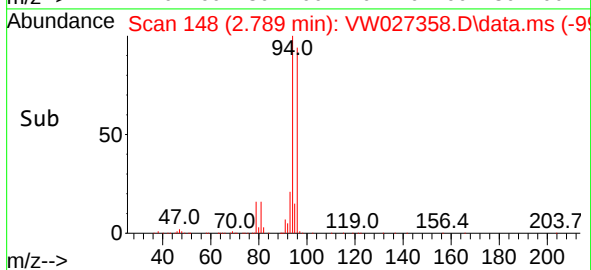
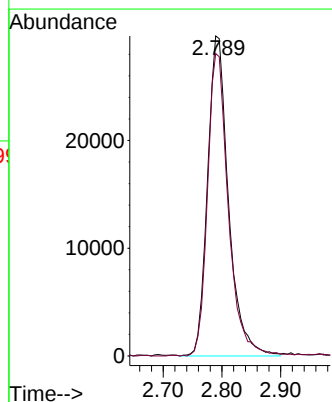
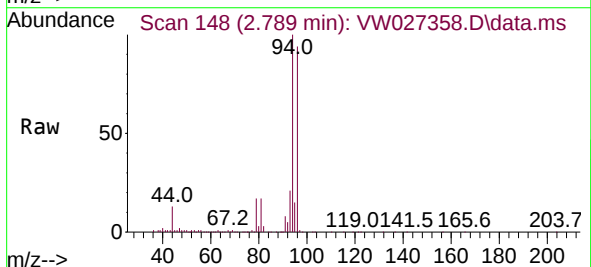


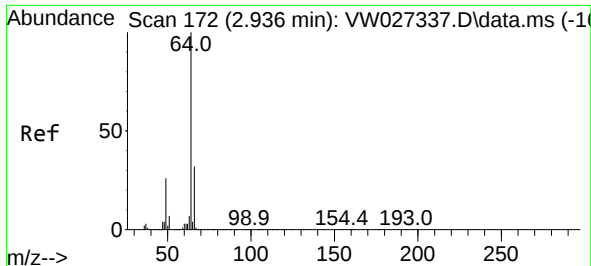
Tgt Ion: 62 Resp: 157695
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.8 44.2



#6
 Bromomethane
 Concen: 19.941 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

Tgt Ion: 94 Resp: 73591
 Ion Ratio Lower Upper
 94 100
 96 94.5 62.9 116.9

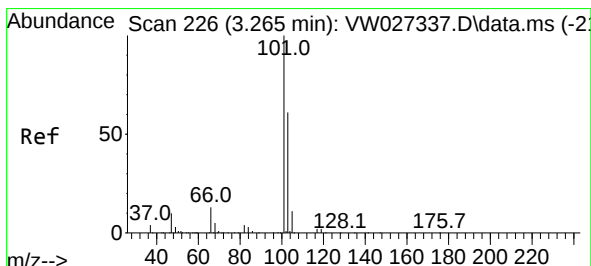
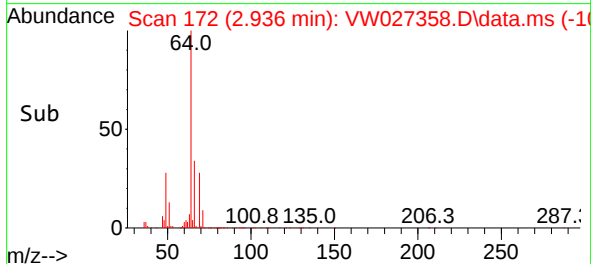
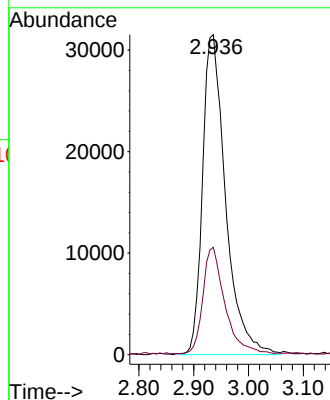
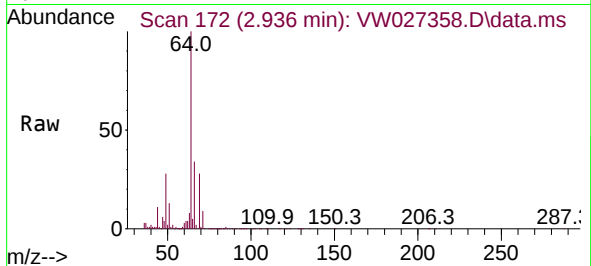




#8
Chloroethane
Concen: 24.699 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

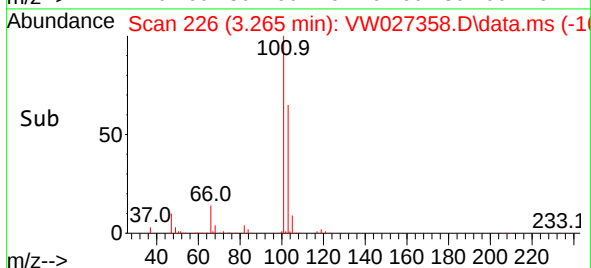
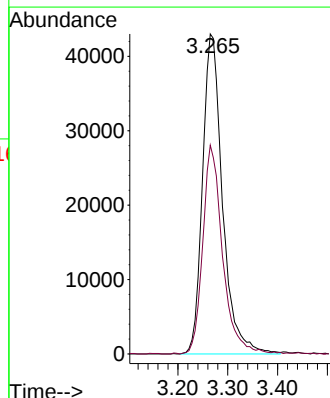
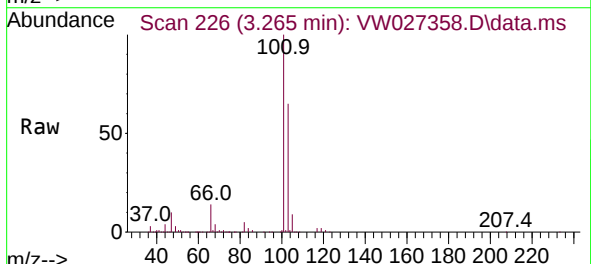
Instrument :
MSVOA_W
ClientSampleId :

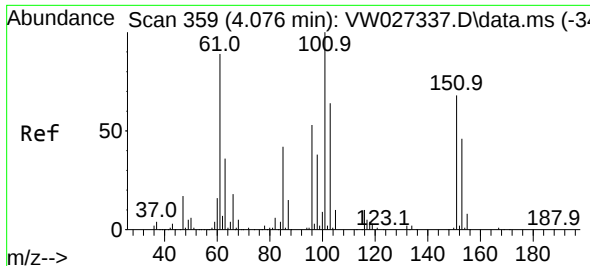
Tgt Ion: 64 Resp: 92120
Ion Ratio Lower Upper
64 100
66 33.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 26.164 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:101 Resp: 119600
Ion Ratio Lower Upper
101 100
103 63.9 51.6 77.4





#10

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

Concen: 19.753 ug/L

RT: 4.082 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

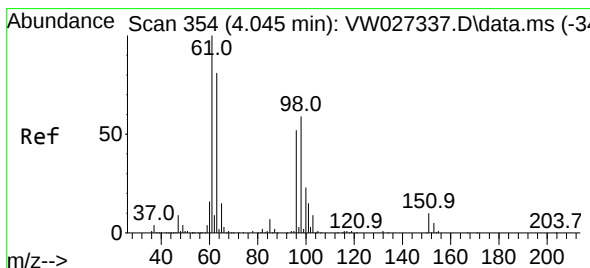
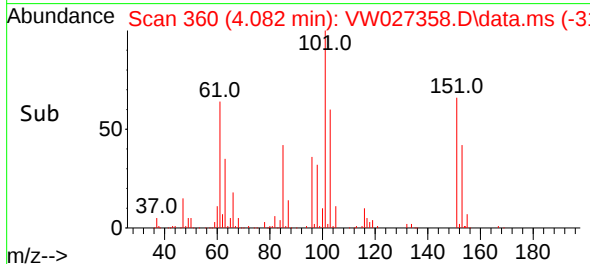
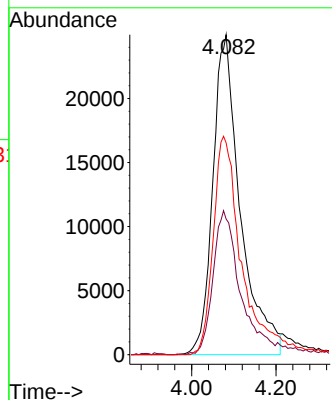
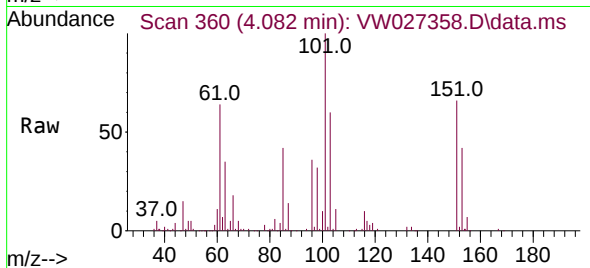
Tgt Ion:101 Resp: 113065

Ion Ratio Lower Upper

101 100

85 40.5 34.1 51.1

151 69.2 49.5 74.3



#12

1,1-Dichloroethene

Concen: 21.644 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

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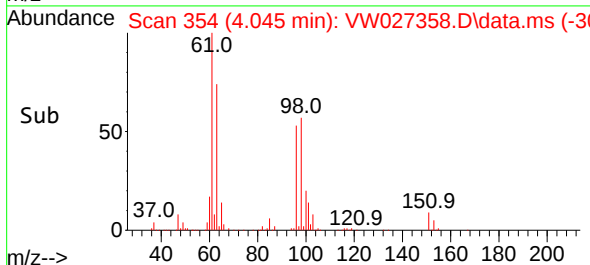
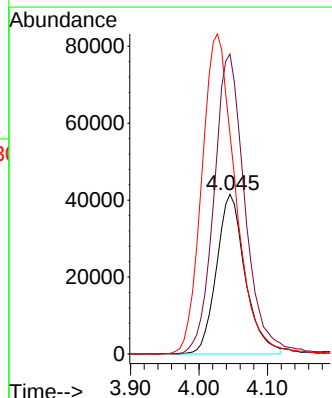
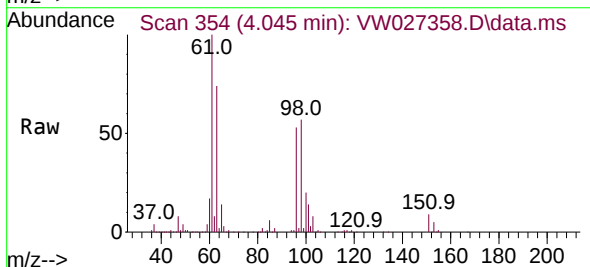
Tgt Ion: 96 Resp: 120400

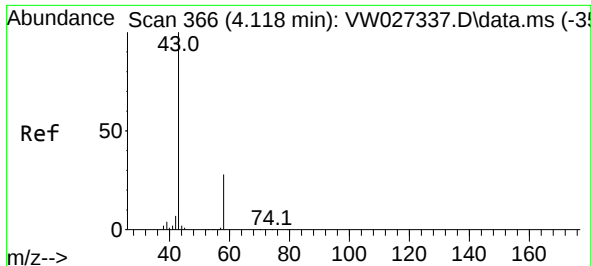
Ion Ratio Lower Upper

96 100

61 188.0 133.3 247.5

63 138.3 115.8 215.2

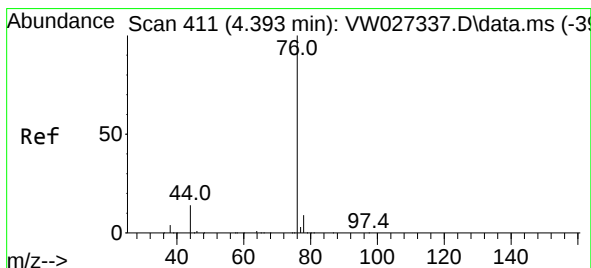
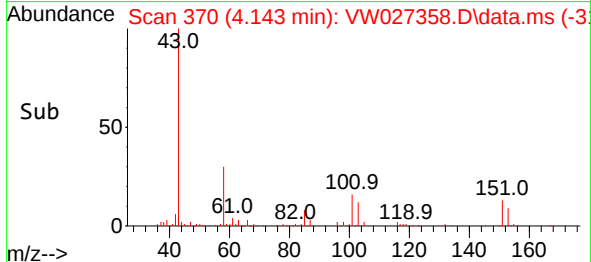
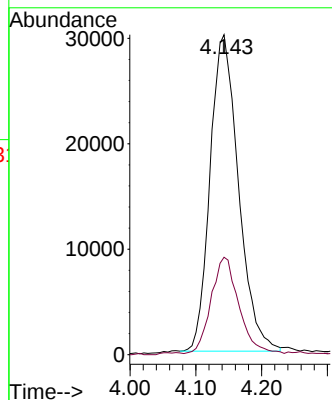
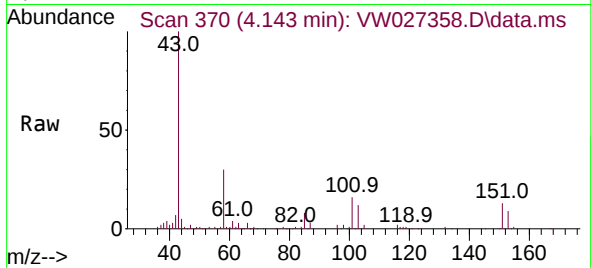




#13
Acetone
Concen: 48.577 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.024 min
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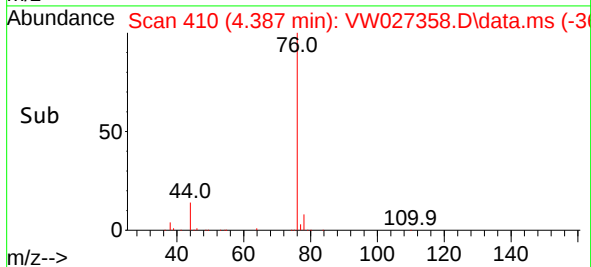
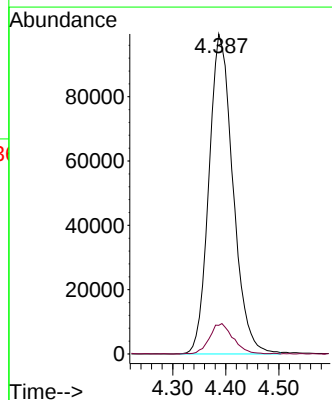
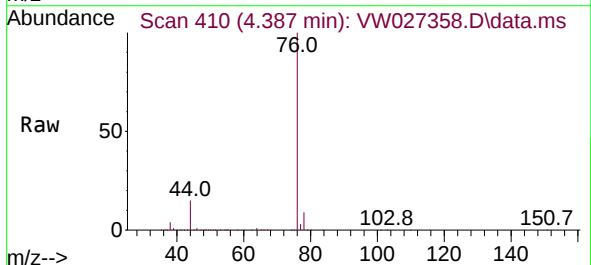
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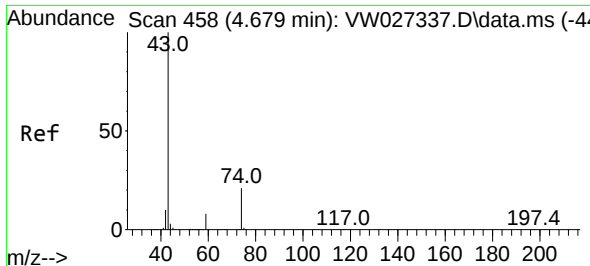
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Ion Ratio Lower Upper
43 100
58 29.9 0.0 60.8



#14
Carbon disulfide
Concen: 18.176 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 313441
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

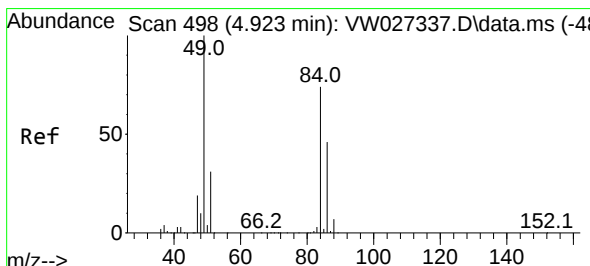
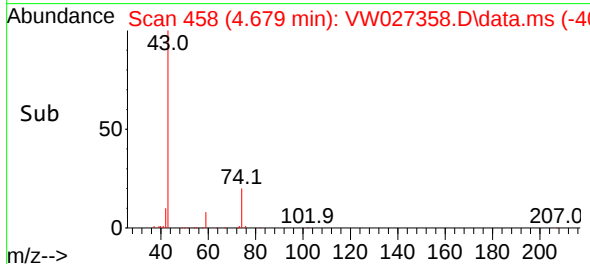
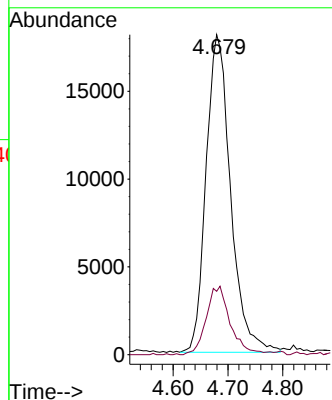
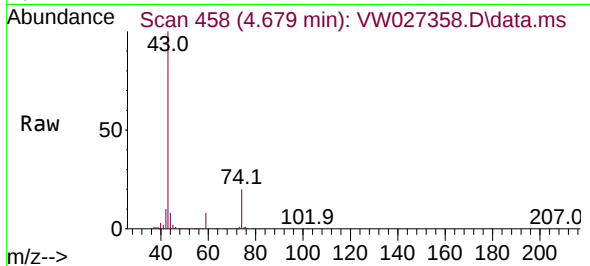




#15
Methyl Acetate
Concen: 17.727 ug/L
RT: 4.679 min Scan# 458
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

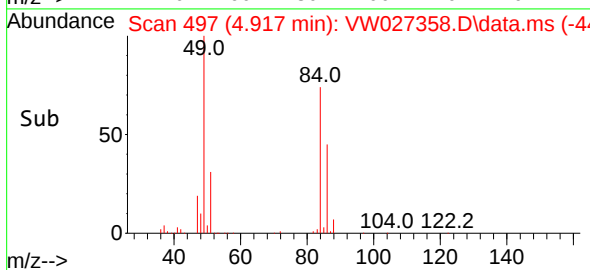
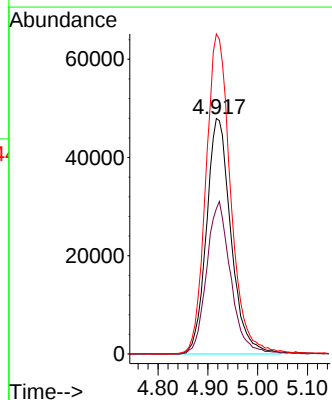
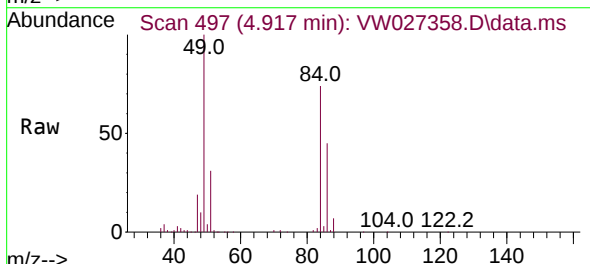
Instrument :
MSVOA_W
ClientSampleId :

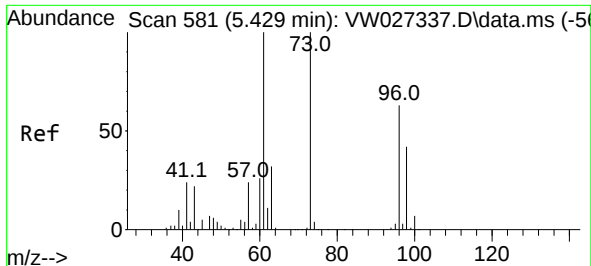
Tgt Ion: 43 Resp: 56272
Ion Ratio Lower Upper
43 100
74 21.0 17.5 26.3



#16
Methylene chloride
Concen: 21.048 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion: 84 Resp: 163438
Ion Ratio Lower Upper
84 100
86 61.7 41.3 76.7
49 135.9 92.8 172.4





#17

trans-1,2-Dichloroethene

Concen: 21.568 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

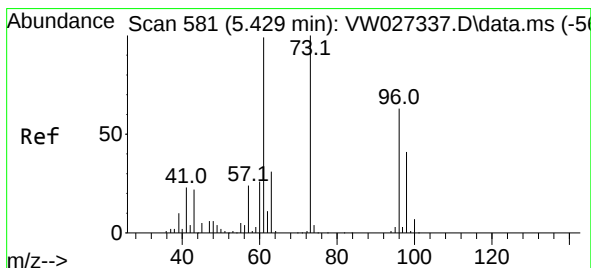
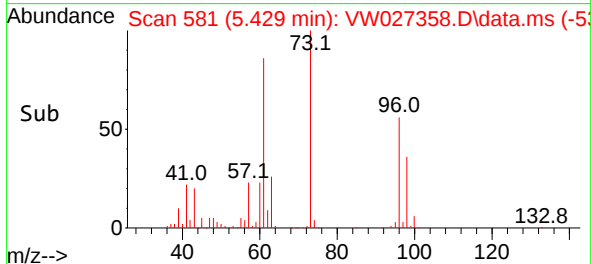
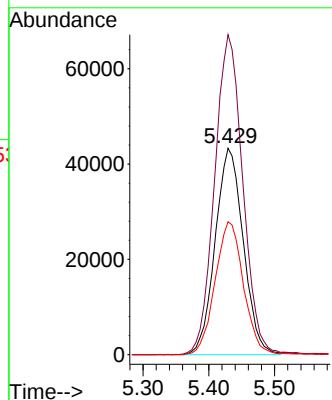
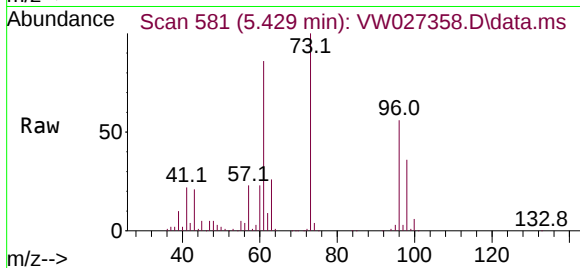
Tgt Ion: 96 Resp: 128941

Ion Ratio Lower Upper

96 100

61 155.0 105.6 196.0

98 64.4 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 26.511 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

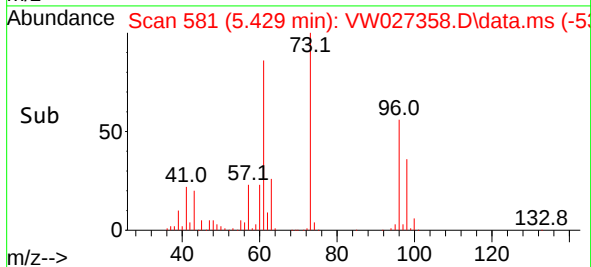
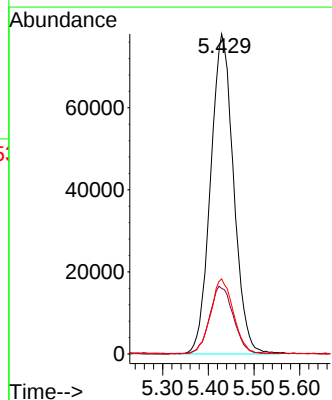
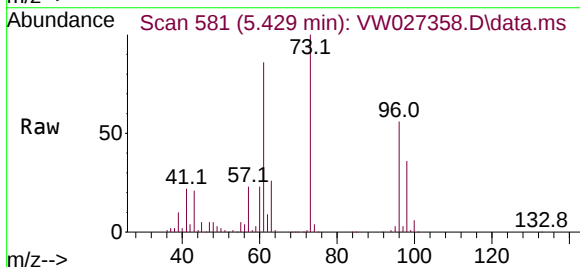
Tgt Ion: 73 Resp: 273447

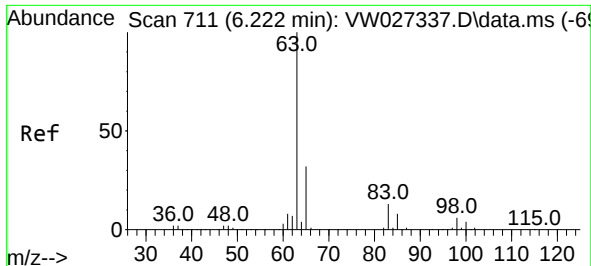
Ion Ratio Lower Upper

73 100

43 21.4 17.7 26.5

57 23.0 18.5 27.7





#19

1,1-Dichloroethane

Concen: 23.902 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

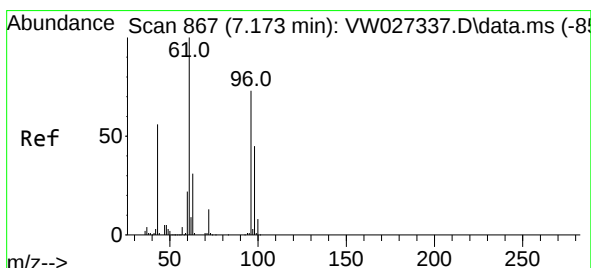
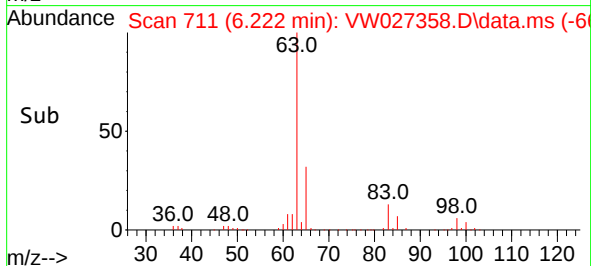
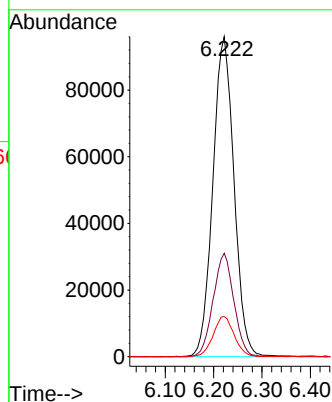
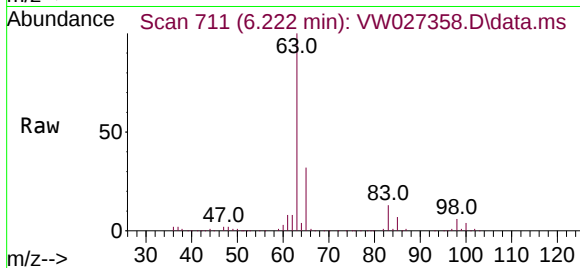
Tgt Ion: 63 Resp: 291544

Ion Ratio Lower Upper

63 100

65 32.3 22.9 42.5

83 12.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 21.701 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

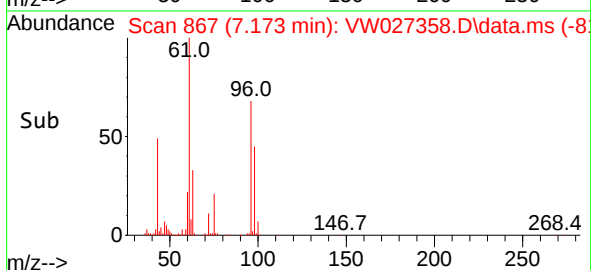
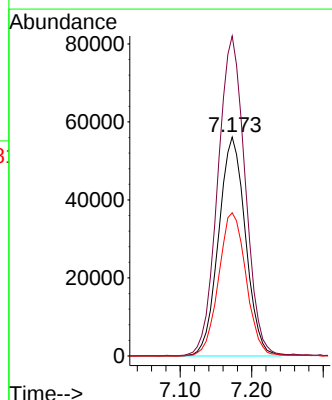
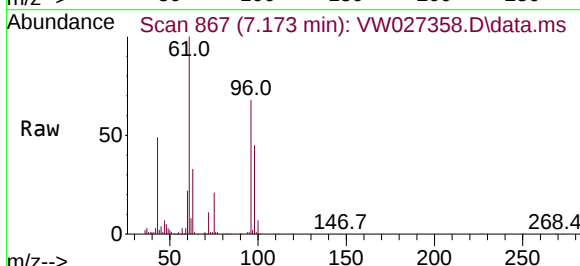
Tgt Ion: 96 Resp: 146513

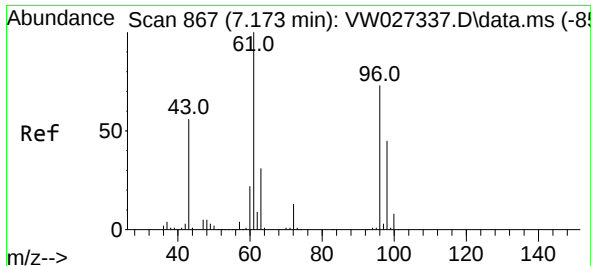
Ion Ratio Lower Upper

96 100

61 146.2 96.2 178.8

98 65.4 46.0 85.4

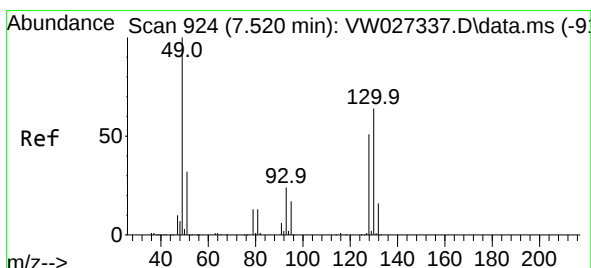
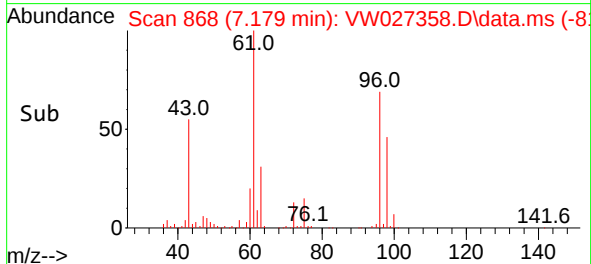
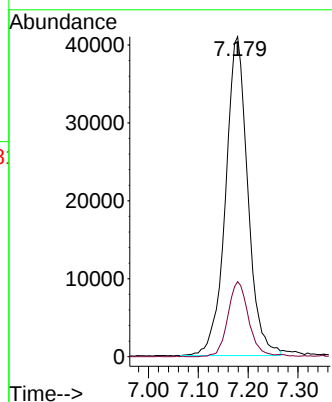
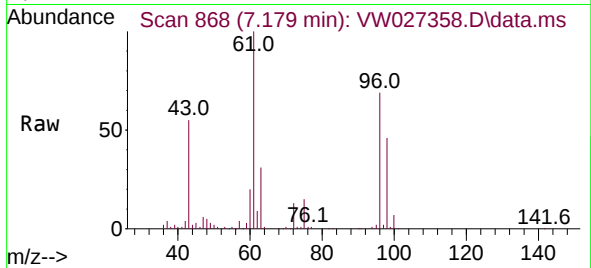




#22
2-Butanone
Concen: 45.514 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

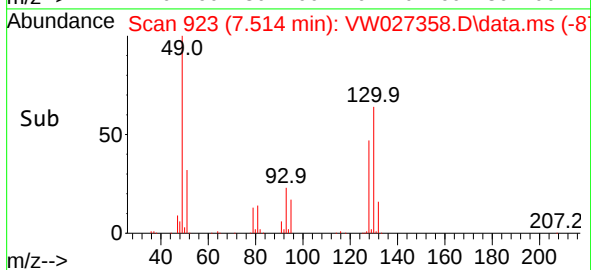
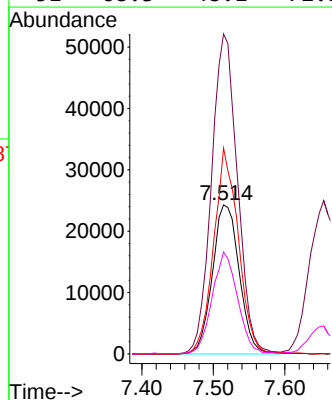
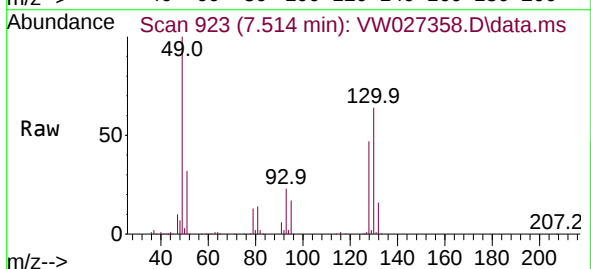
Instrument :
MSVOA_W
ClientSampleId :

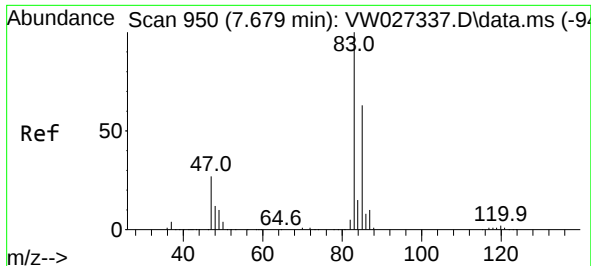
Tgt Ion: 43 Resp: 126615
Ion Ratio Lower Upper
43 100
72 21.8 12.3 36.8



#23
Bromochloromethane
Concen: 22.692 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:128 Resp: 63251
Ion Ratio Lower Upper
128 100
49 214.7 128.9 239.5
130 138.2 85.0 157.8
51 68.3 48.1 72.1

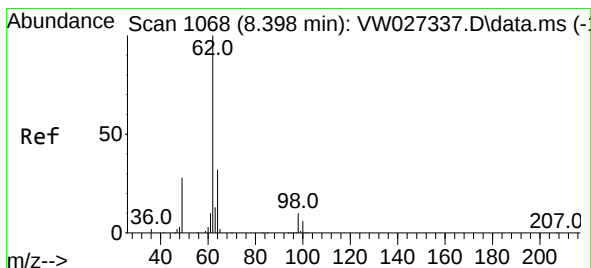
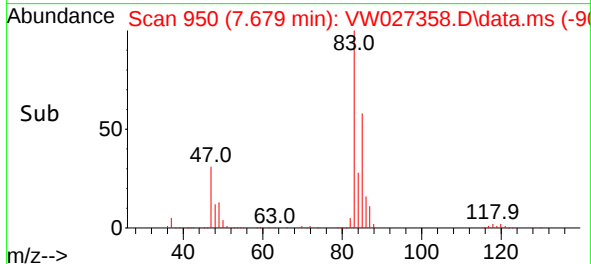
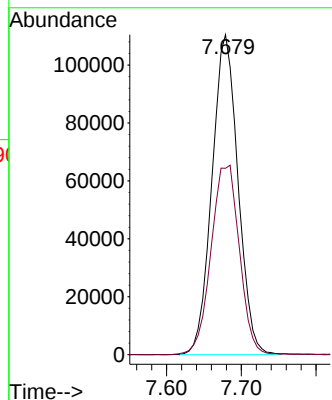
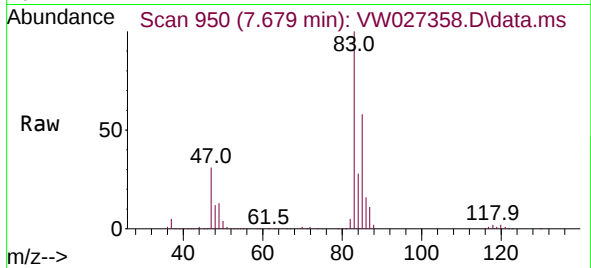




#25
Chloroform
Concen: 23.444 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

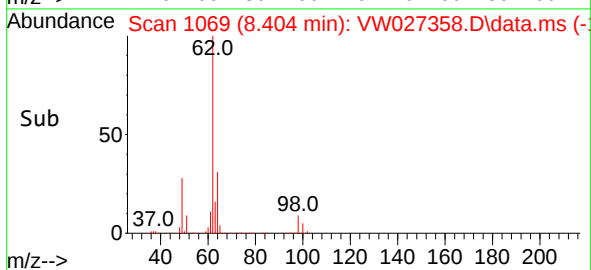
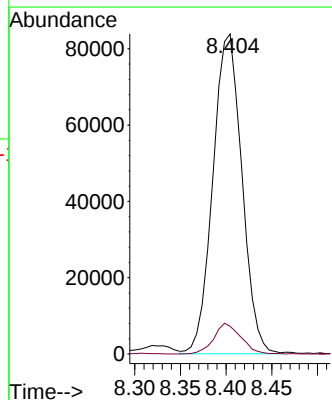
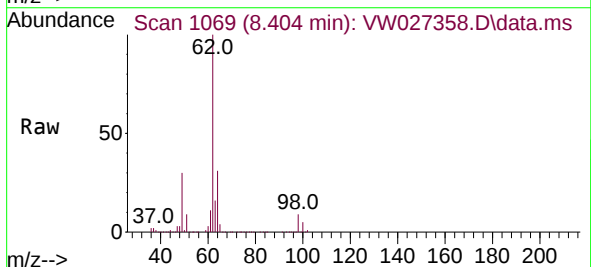
Instrument :
MSVOA_W
ClientSampleId :

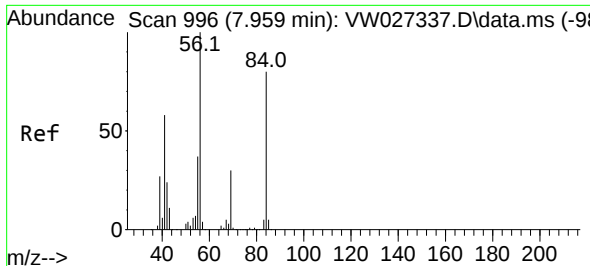
Tgt Ion: 83 Resp: 267630
Ion Ratio Lower Upper
83 100
85 58.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 23.888 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion: 62 Resp: 185240
Ion Ratio Lower Upper
62 100
98 8.7 7.5 11.3





#29

Cyclohexane

Concen: 19.286 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

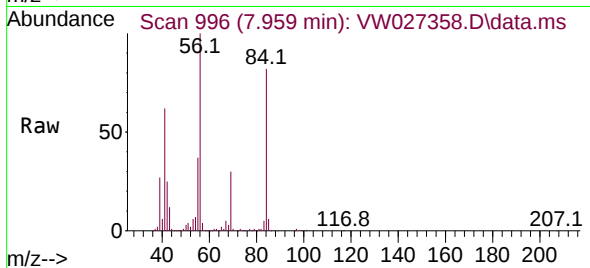
Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

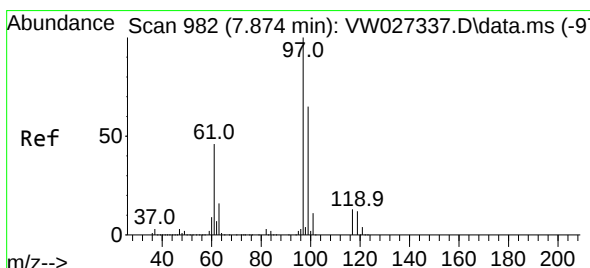
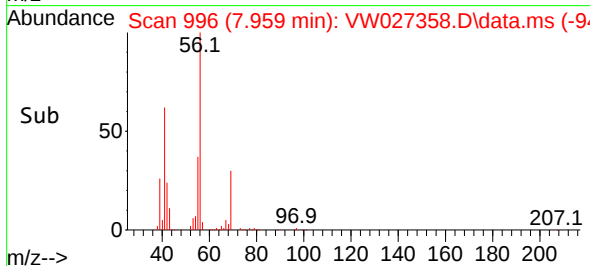
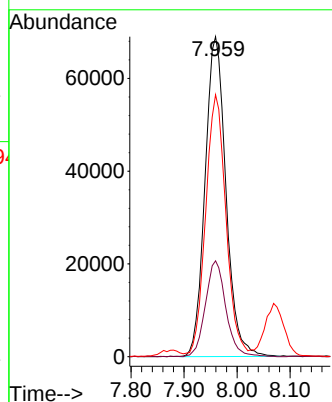
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	189117
Ion Ratio	Lower	Upper	
56	100		
69	29.3	24.2	36.4
84	79.0	65.1	97.7



#30

1,1,1-Trichloroethane

Concen: 26.284 ug/L

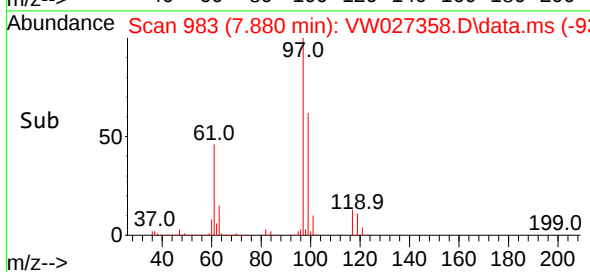
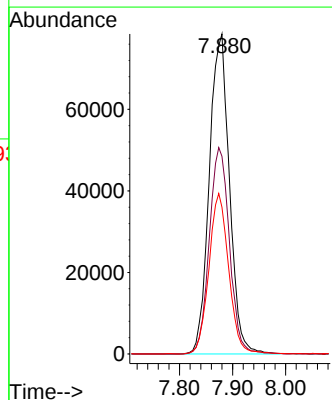
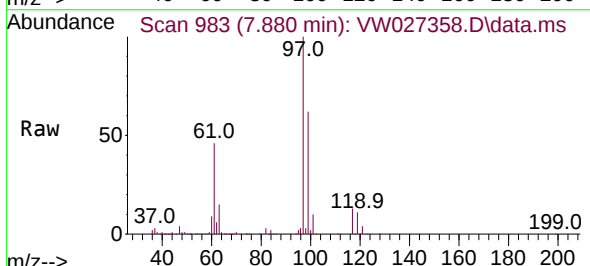
RT: 7.880 min Scan# 983

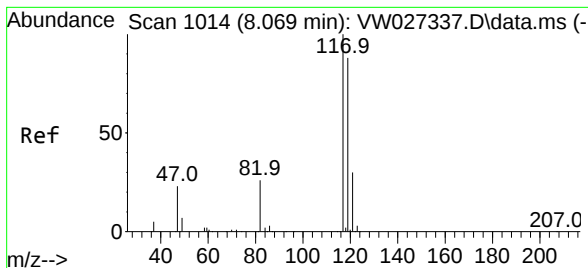
Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Tgt Ion:	97	Resp:	207066
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.0
61	49.3	37.4	56.0





#31

Carbon tetrachloride

Concen: 22.756 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

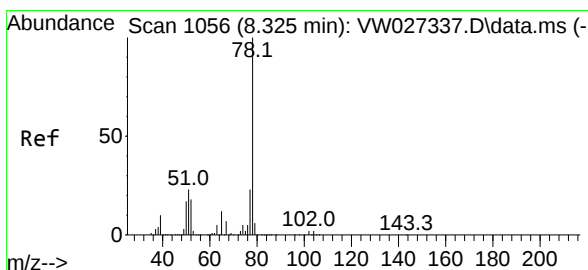
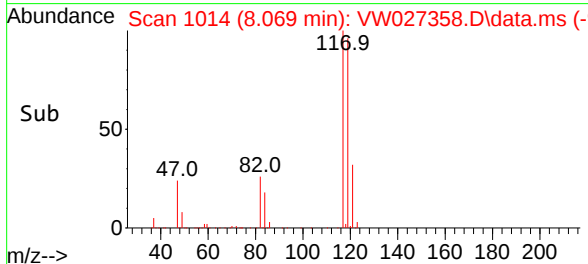
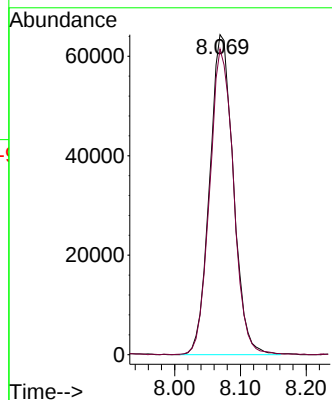
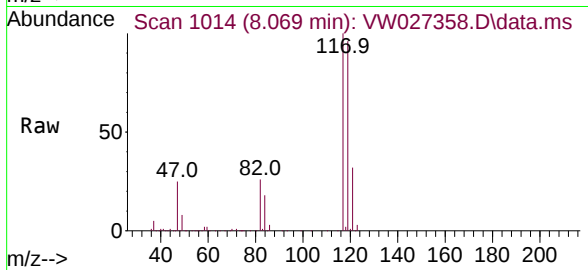
ClientSampleId :

Tgt Ion:117 Resp: 161648

Ion Ratio Lower Upper

117 100

119 95.9 77.1 115.7



#33

Benzene

Concen: 26.552 ug/L

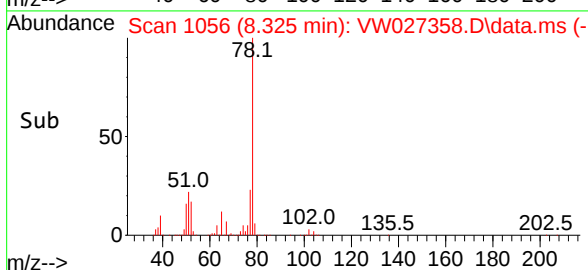
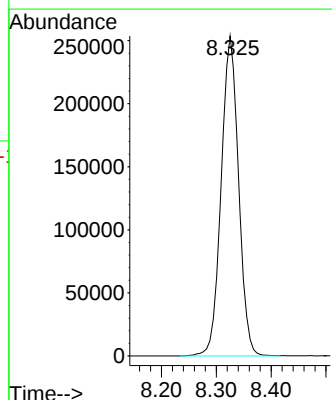
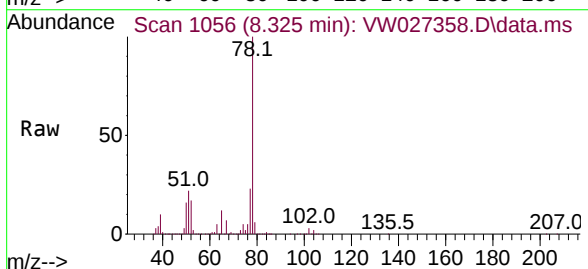
RT: 8.325 min Scan# 1056

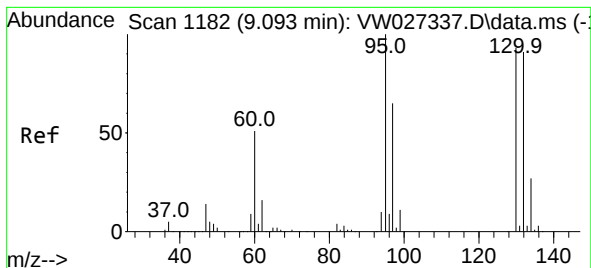
Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Tgt Ion: 78 Resp: 560425





#34

Trichloroethene

Concen: 23.656 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

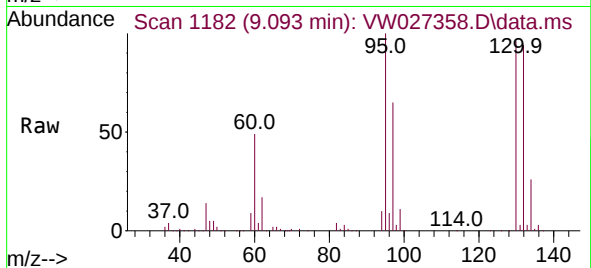
Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 131886

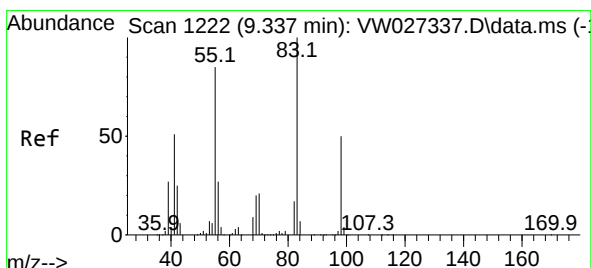
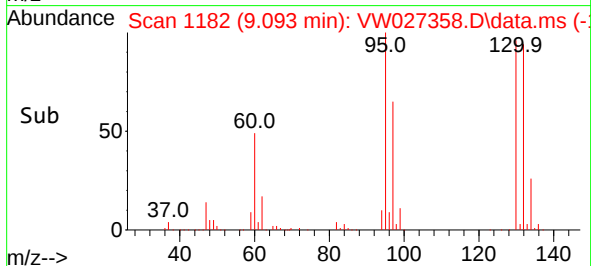
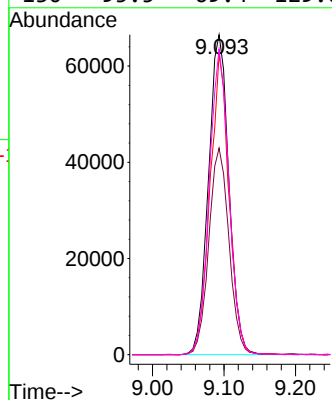
Ion Ratio Lower Upper

95 100

97 64.6 43.4 80.6

132 93.9 67.6 125.6

130 95.5 69.4 129.0



#35

Methylcyclohexane

Concen: 14.165 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

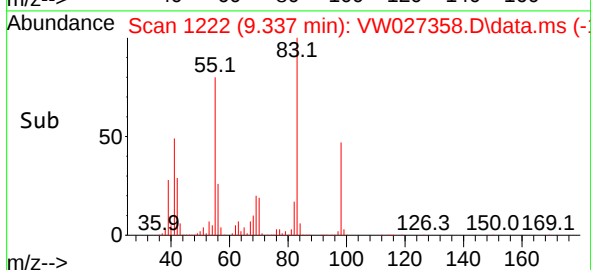
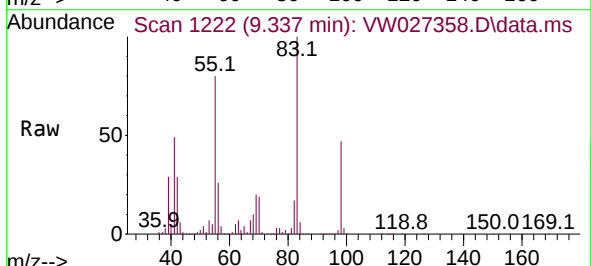
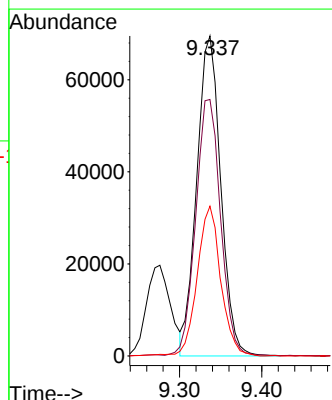
Tgt Ion: 83 Resp: 141227

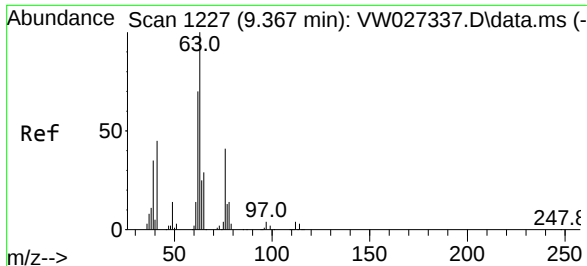
Ion Ratio Lower Upper

83 100

55 83.0 65.8 98.8

98 45.5 38.1 57.1





#37

1,2-Dichloropropane

Concen: 28.028 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

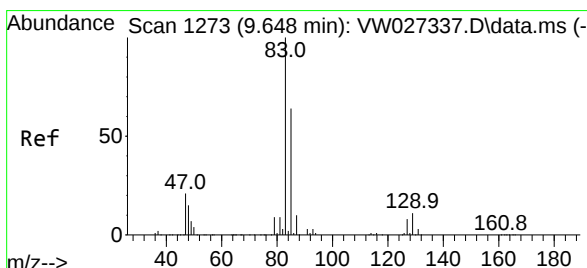
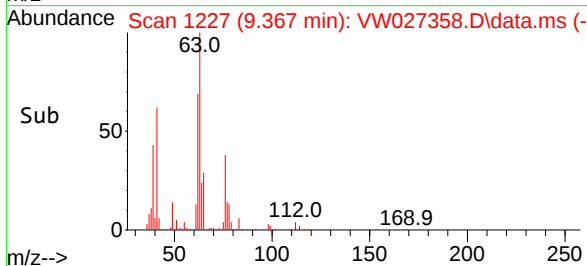
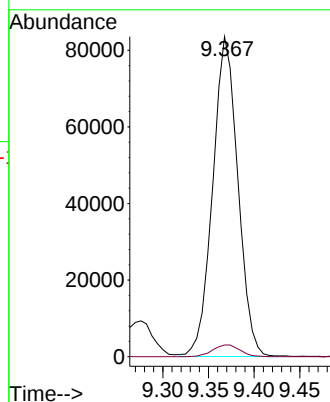
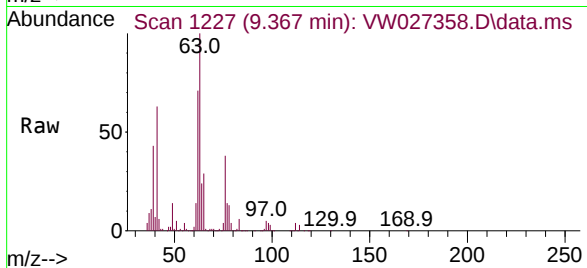
ClientSampleId :

Tgt Ion: 63 Resp: 159953

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 25.547 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

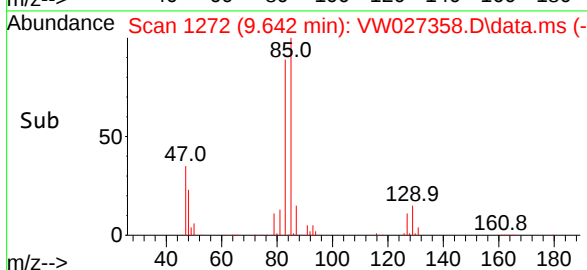
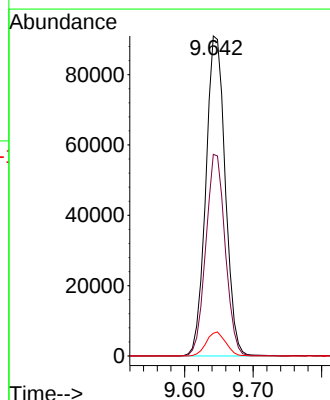
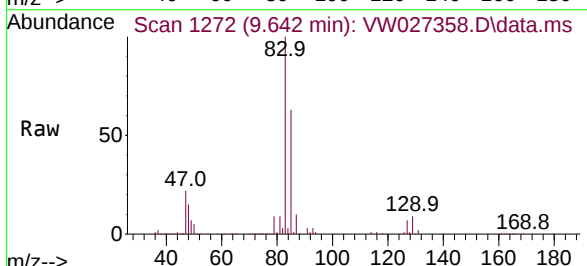
Tgt Ion: 83 Resp: 179276

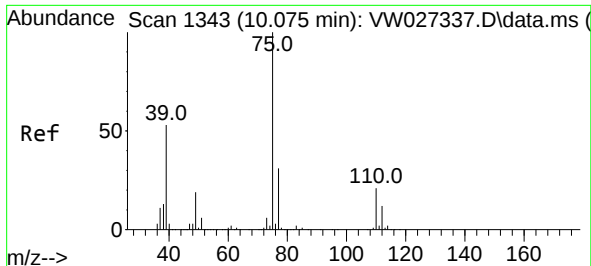
Ion Ratio Lower Upper

83 100

85 63.0 43.9 81.5

127 7.1 6.2 9.2

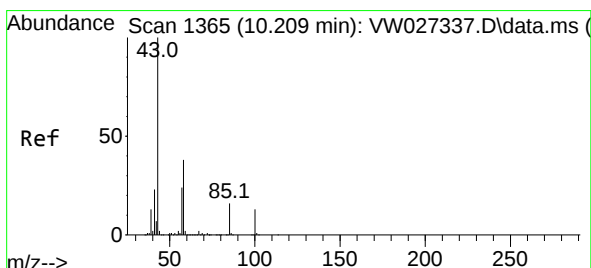
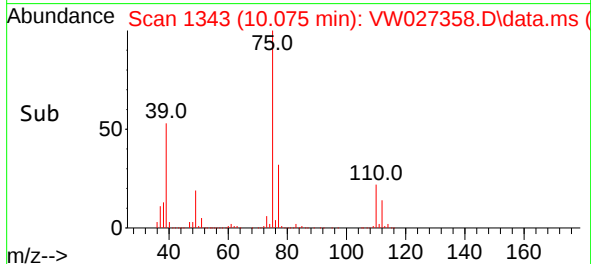
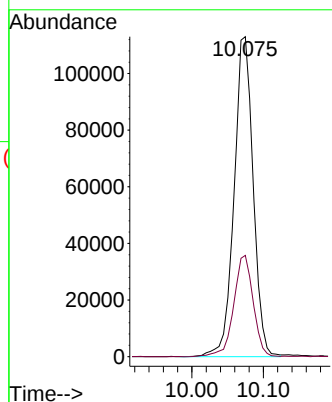
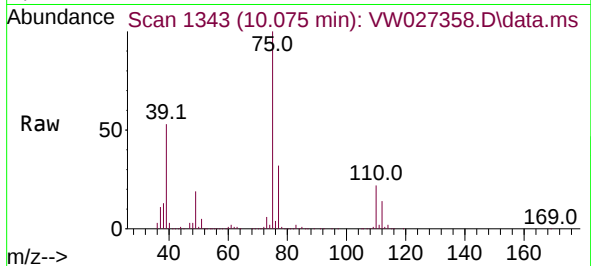




#39
 cis-1,3-Dichloropropene
 Concen: 22.193 ug/L
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

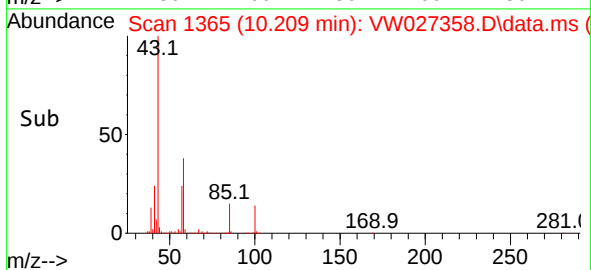
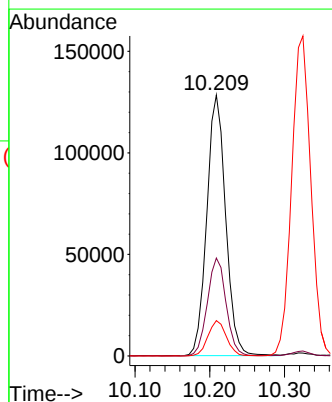
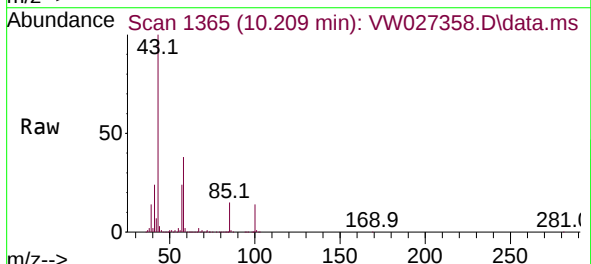
Instrument :
 MSVOA_W
 ClientSampleId :

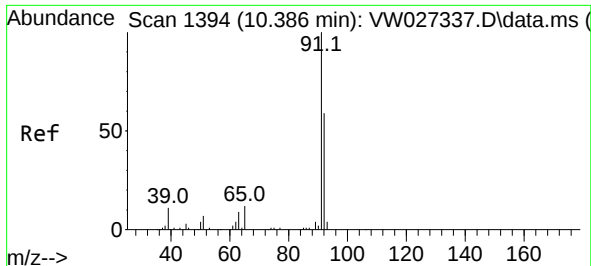
Tgt Ion: 75 Resp: 209220
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 57.356 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW027358.D
 Acq: 19 Oct 2023 19:12

Tgt Ion: 43 Resp: 225109
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.5 45.7
 100 13.3 11.5 17.3





#42

Toluene

Concen: 23.534 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

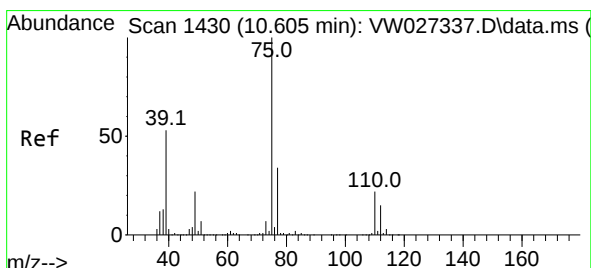
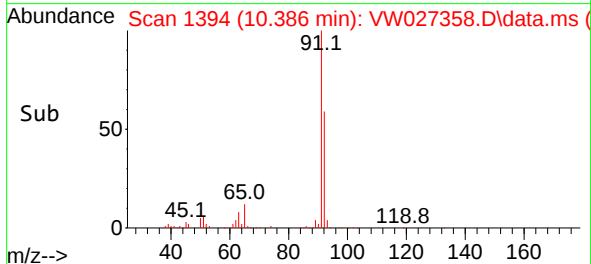
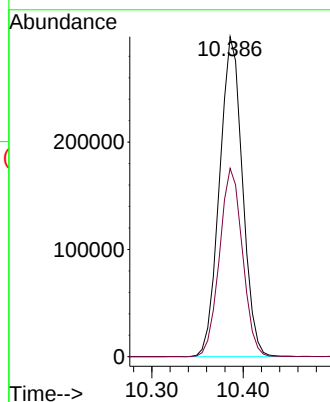
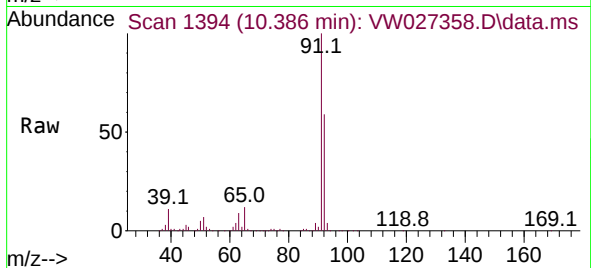
ClientSampleId :

Tgt Ion: 91 Resp: 521079

Ion Ratio Lower Upper

91 100

92 58.8 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 22.228 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW027358.D

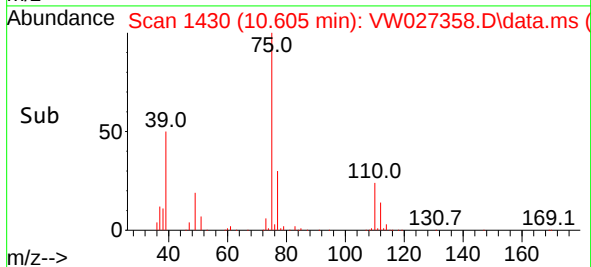
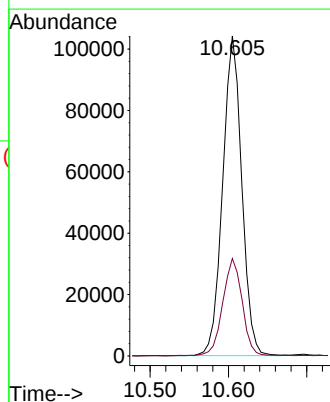
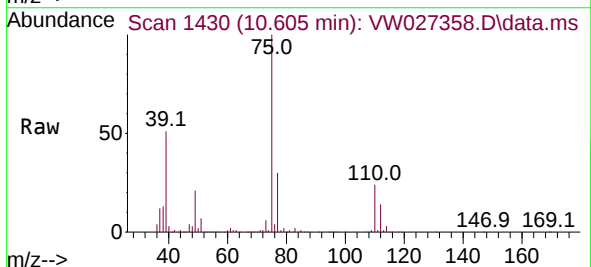
Acq: 19 Oct 2023 19:12

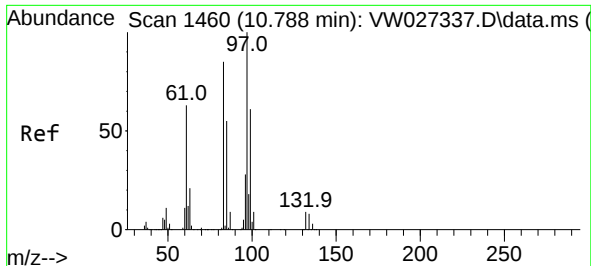
Tgt Ion: 75 Resp: 176810

Ion Ratio Lower Upper

75 100

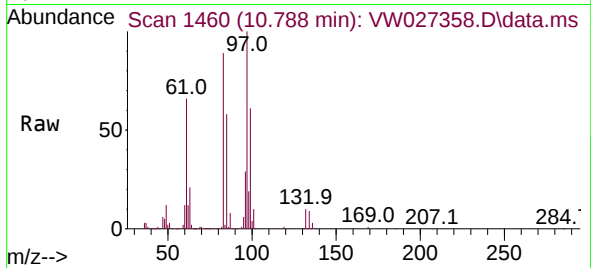
77 30.4 22.0 41.0



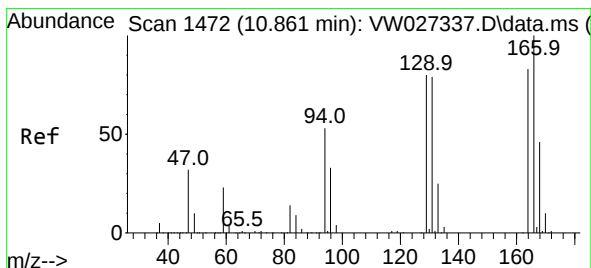
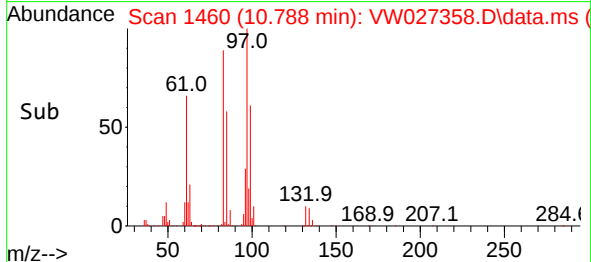
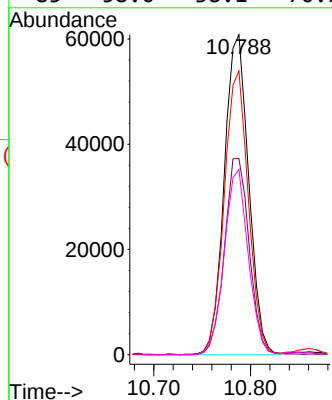


#45
1,1,2-Trichloroethane
Concen: 27.151 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Instrument :
MSVOA_W
ClientSampleId :

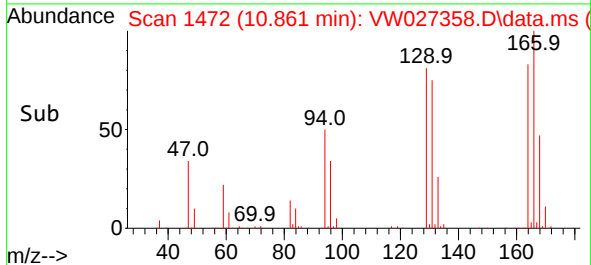
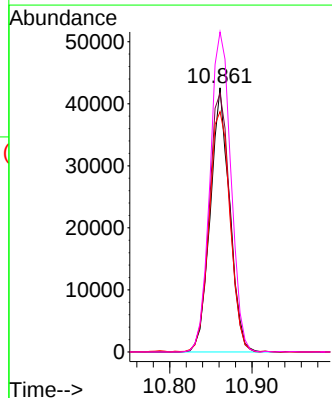
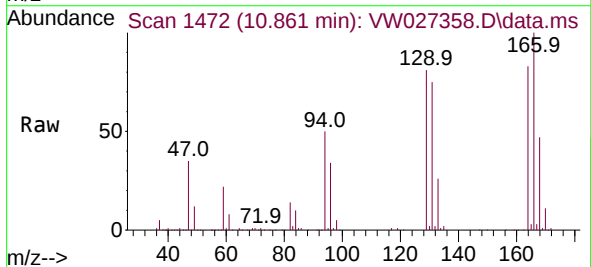


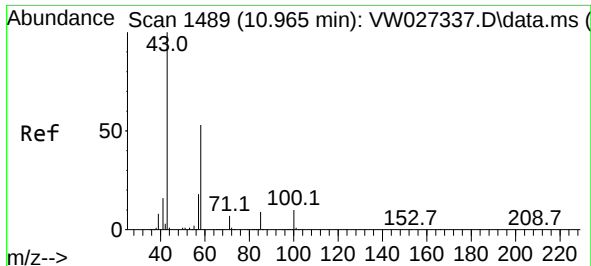
Tgt Ion: 97	Resp: 106627
Ion Ratio	Lower Upper
97 100	
99 61.3	43.8 81.4
83 88.7	57.5 106.7
85 58.0	38.1 70.9



#46
Tetrachloroethene
Concen: 18.087 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt	Ion:164	Resp:	69629
Ion	Ratio	Lower	Upper
164	100		
129	97.9	74.7	138.7
131	91.0	73.2	136.0
166	121.1	87.3	162.1

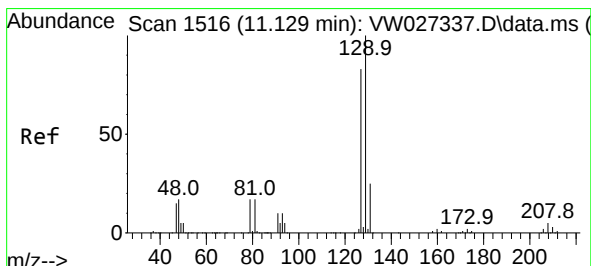
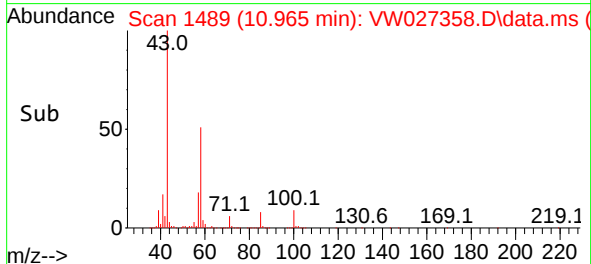
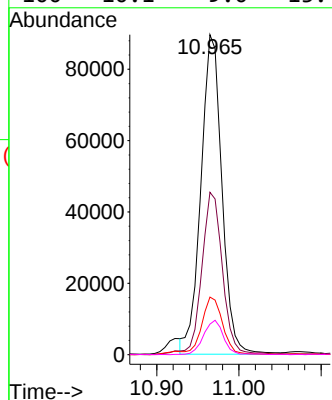
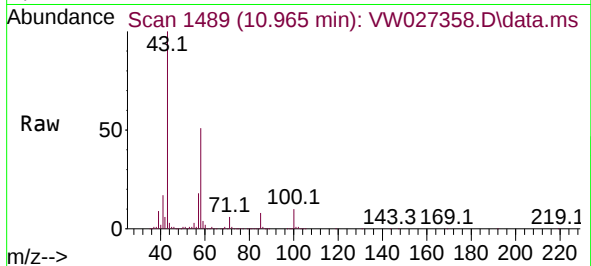




#48
2-Hexanone
Concen: 54.822 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

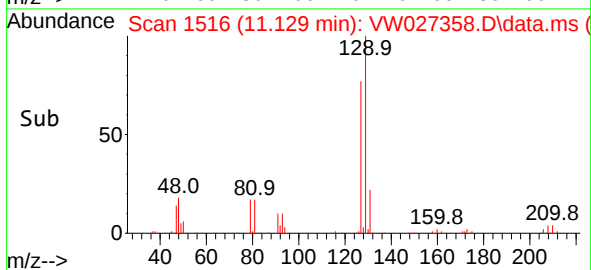
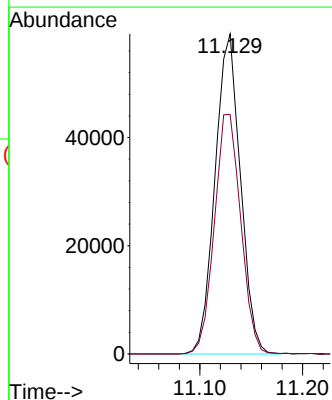
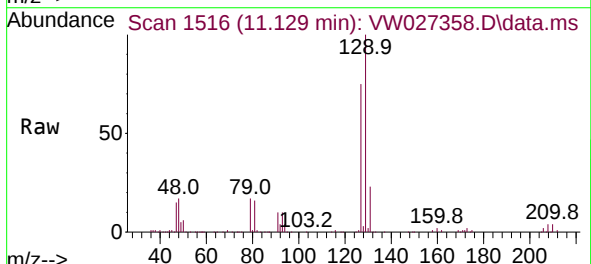
Instrument :
MSVOA_W
ClientSampleId :

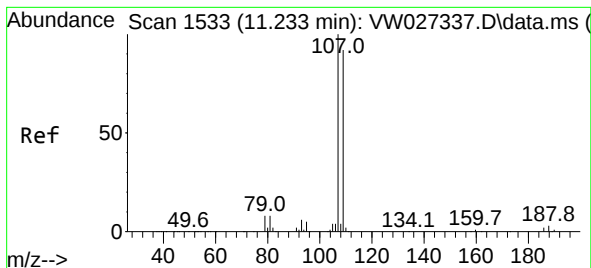
Tgt Ion: 43 Resp: 159250
Ion Ratio Lower Upper
43 100
58 49.2 42.2 63.4
57 17.7 15.1 22.7
100 10.1 9.0 13.4



#49
Dibromochloromethane
Concen: 23.275 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:129 Resp: 101510
Ion Ratio Lower Upper
129 100
127 74.9 51.7 95.9

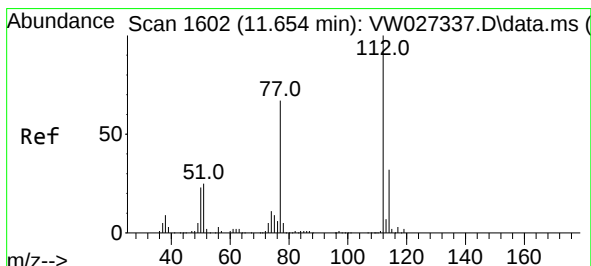
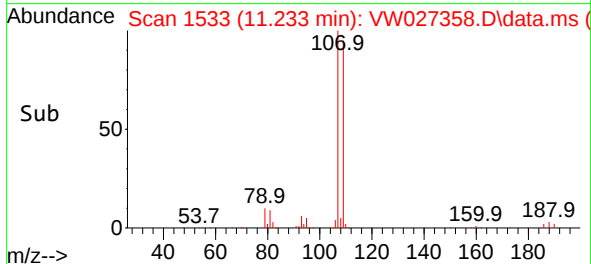
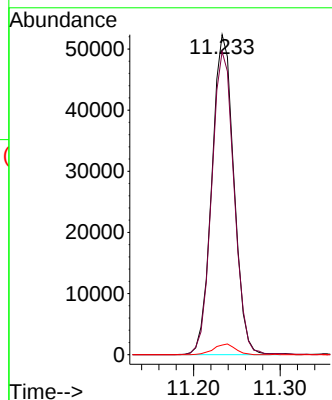
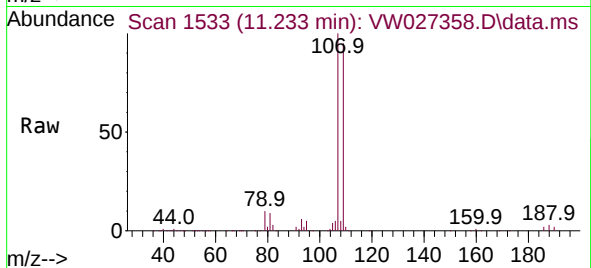




#50
1,2-Dibromoethane
Concen: 24.279 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

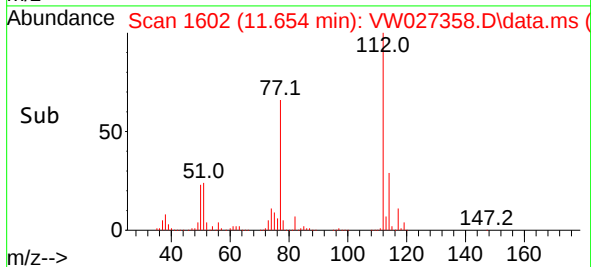
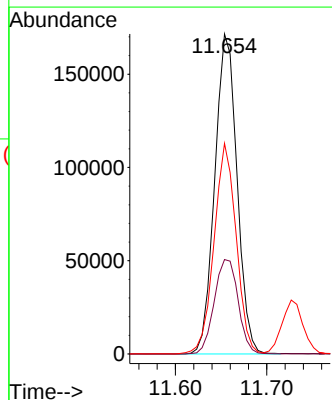
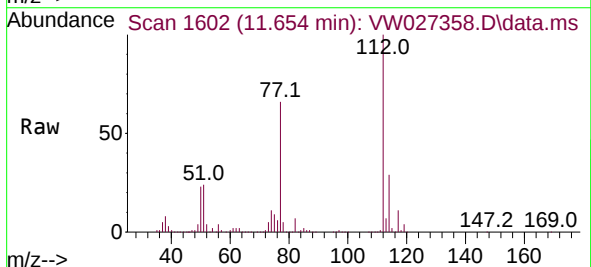
Instrument :
MSVOA_W
ClientSampleId :

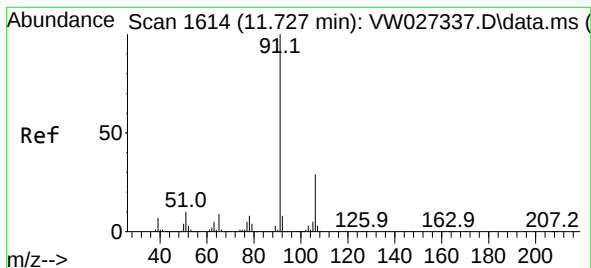
Tgt Ion:107 Resp: 92442
Ion Ratio Lower Upper
107 100
109 94.7 66.3 123.1
188 3.0 3.0 4.4



#51
Chlorobenzene
Concen: 20.945 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:112 Resp: 290409
Ion Ratio Lower Upper
112 100
114 29.5 21.8 40.6
77 65.8 52.2 78.4

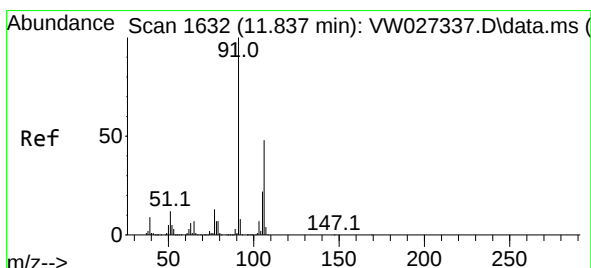
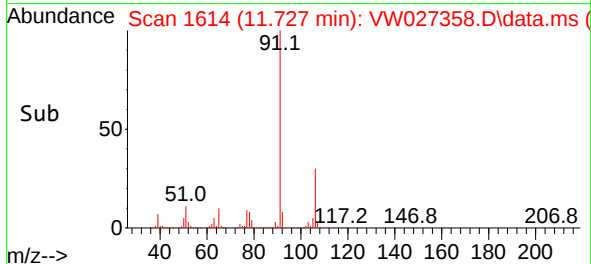
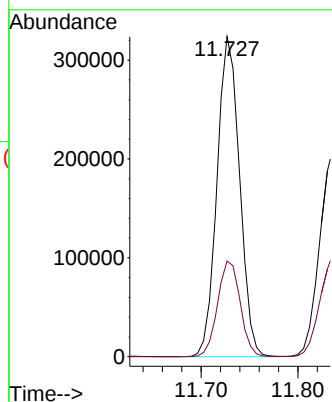
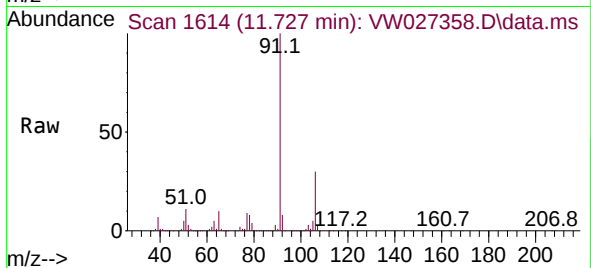




#52
Ethylbenzene
Concen: 20.399 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

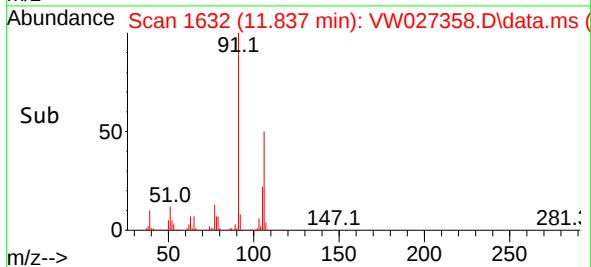
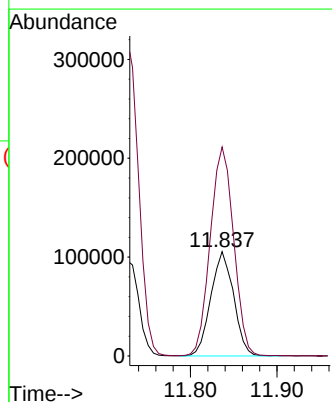
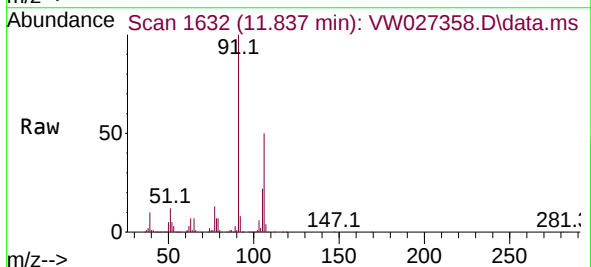
Instrument :
MSVOA_W
ClientSampleId :

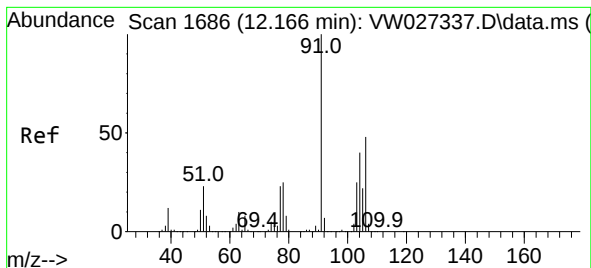
Tgt Ion: 91 Resp: 524854
Ion Ratio Lower Upper
91 100
106 29.9 19.8 36.8



#53
m,p-Xylene
Concen: 19.822 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:106 Resp: 193440
Ion Ratio Lower Upper
106 100
91 200.3 144.5 268.4





#54

o-Xylene

Concen: 20.579 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

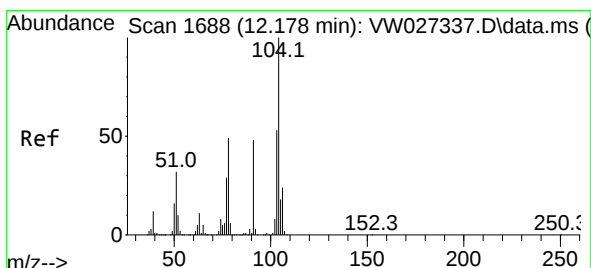
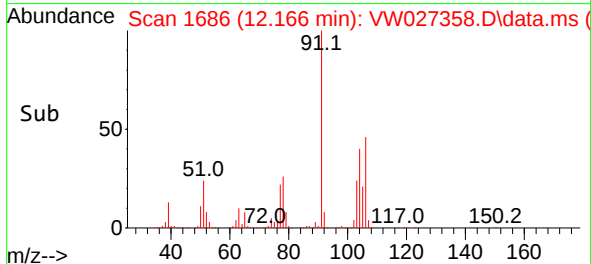
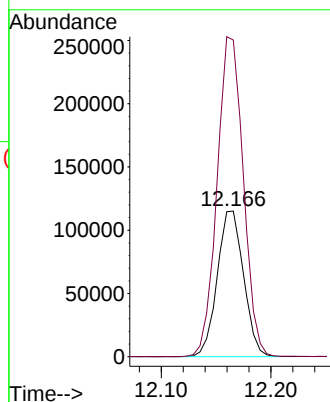
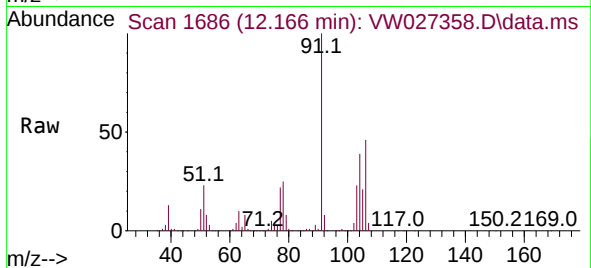
ClientSampleId :

Tgt Ion:106 Resp: 192314

Ion Ratio Lower Upper

106 100

91 217.5 152.0 282.2



#55

Styrene

Concen: 19.032 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW027358.D

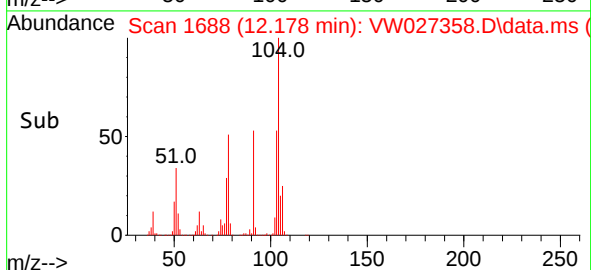
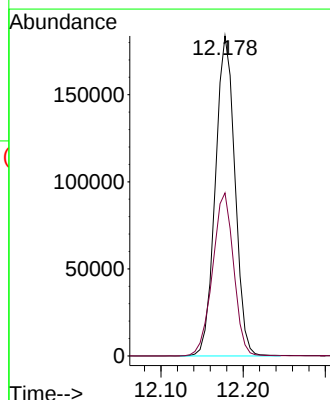
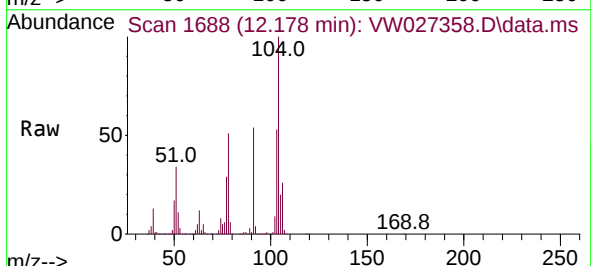
Acq: 19 Oct 2023 19:12

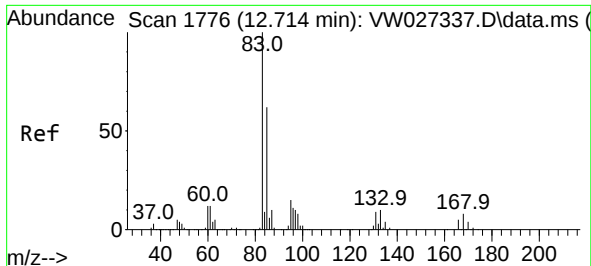
Tgt Ion:104 Resp: 303756

Ion Ratio Lower Upper

104 100

78 50.9 33.2 61.6





#57

1,1,2-Tetrachloroethane

Concen: 24.885 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

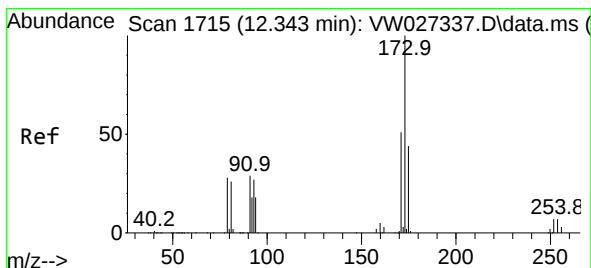
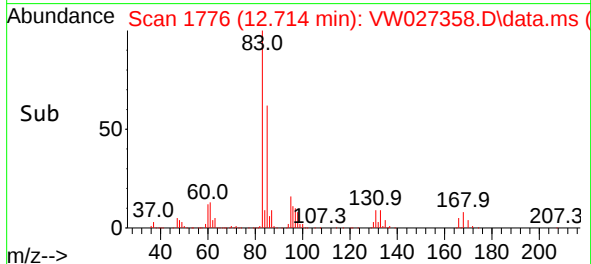
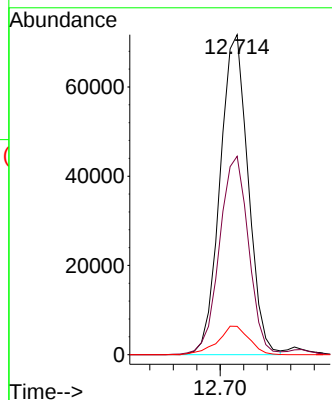
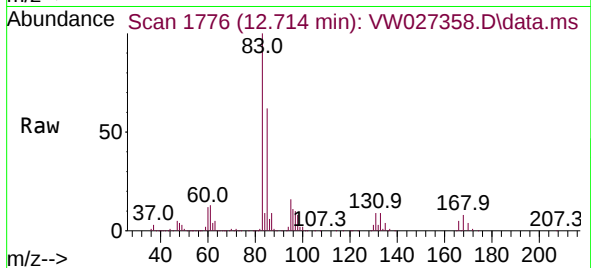
Tgt Ion: 83 Resp: 119300

Ion Ratio Lower Upper

83 100

85 62.0 43.2 80.2

131 8.8 7.2 10.8



#59

Bromoform

Concen: 28.736 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

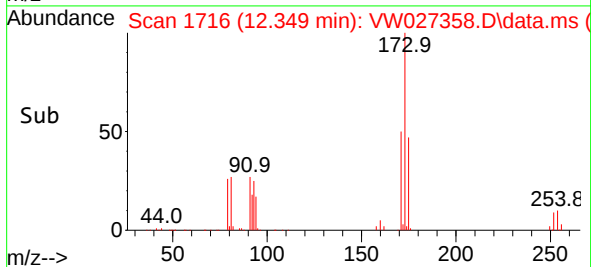
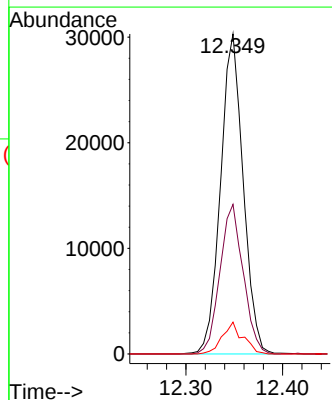
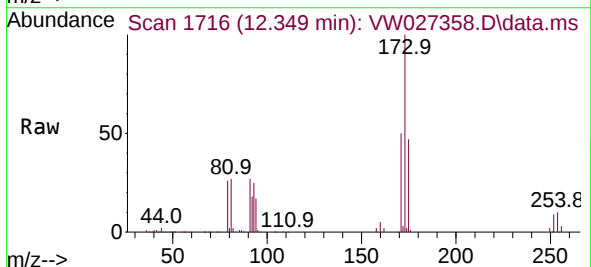
Tgt Ion:173 Resp: 49194

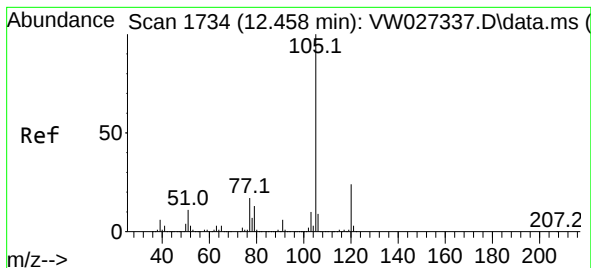
Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

254 9.0 6.6 10.0





#60

Isopropylbenzene

Concen: 25.335 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

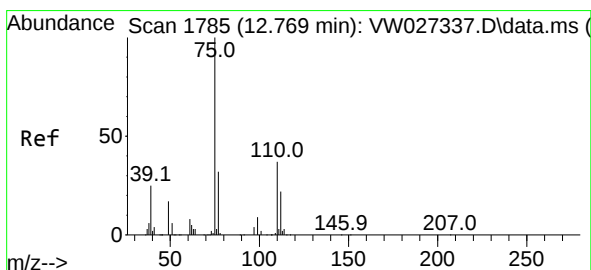
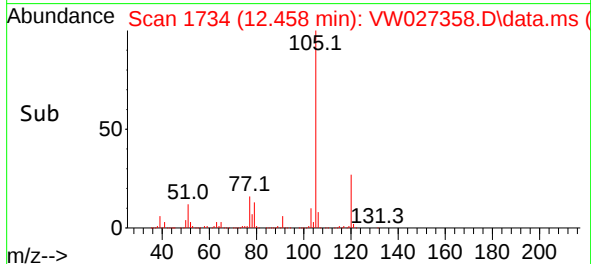
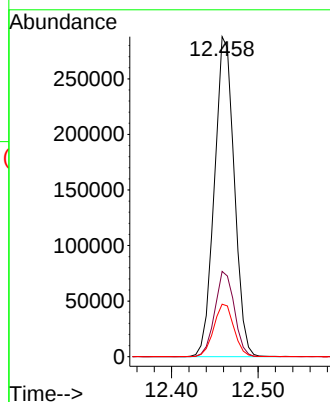
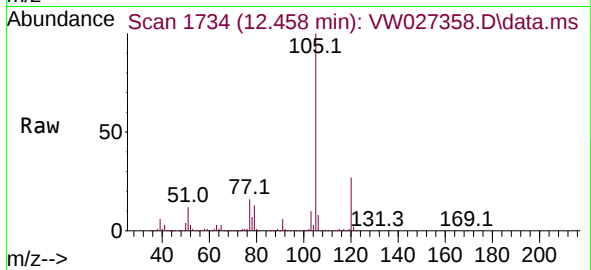
Tgt Ion:105 Resp: 457884

Ion Ratio Lower Upper

105 100

120 26.2 20.1 30.1

77 16.6 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 36.696 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

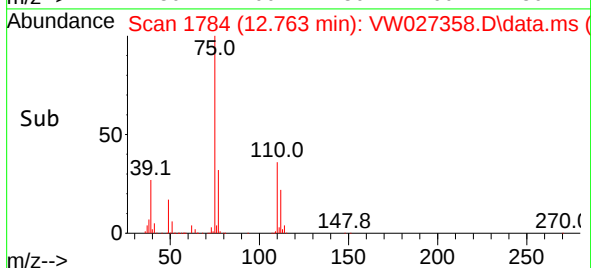
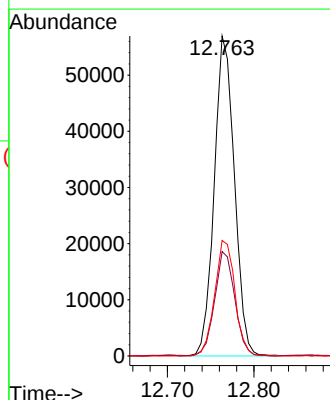
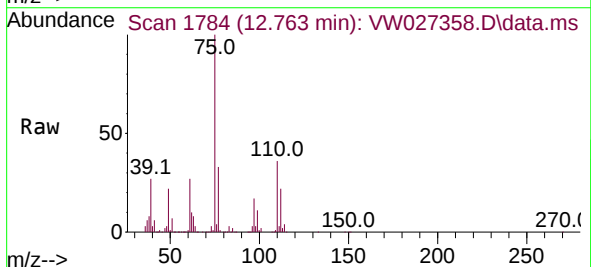
Tgt Ion: 75 Resp: 92182

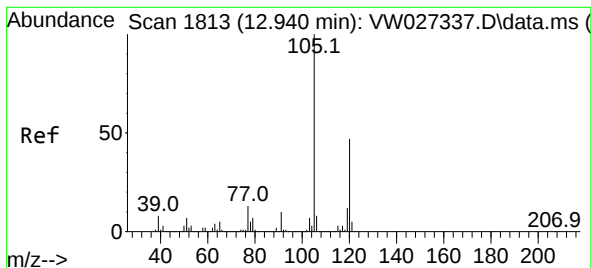
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

110 36.2 29.7 44.5

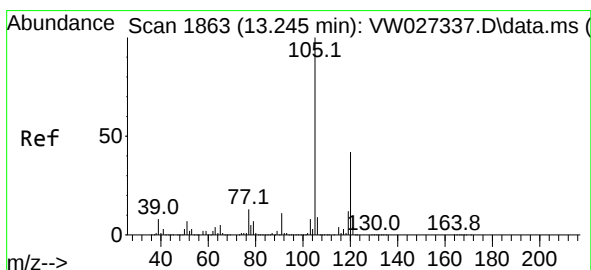
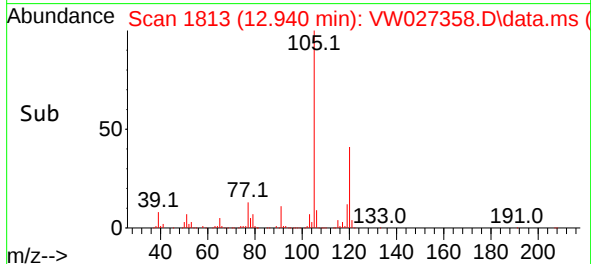
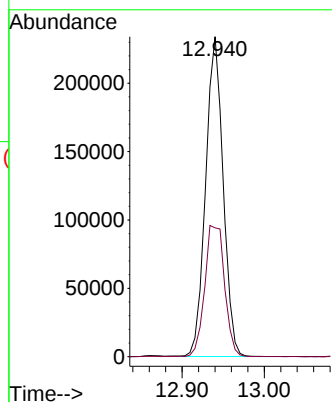
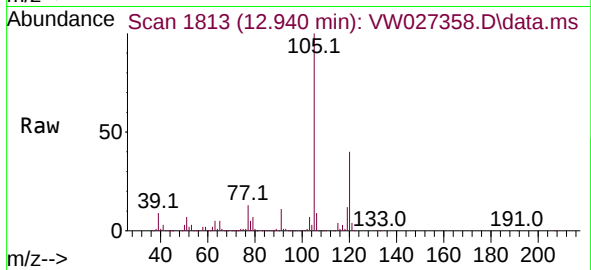




#62
1,3,5-Trimethylbenzene
Concen: 22.969 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

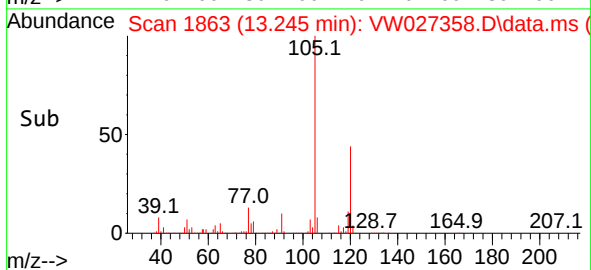
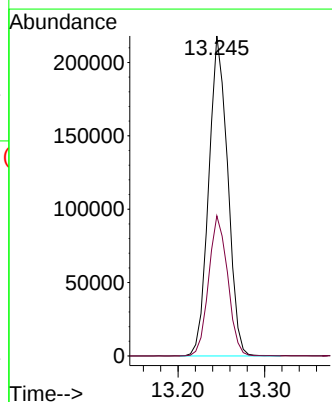
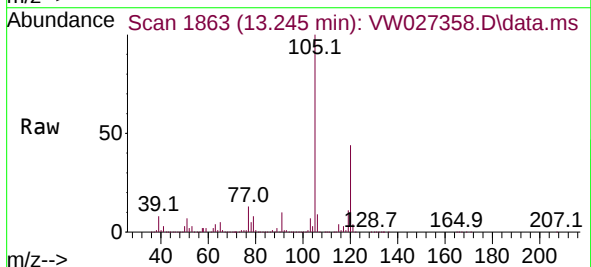
Instrument :
MSVOA_W
ClientSampleId :

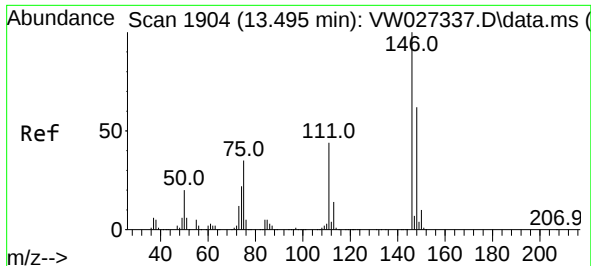
Tgt Ion:105 Resp: 346275
Ion Ratio Lower Upper
105 100
120 46.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 22.425 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

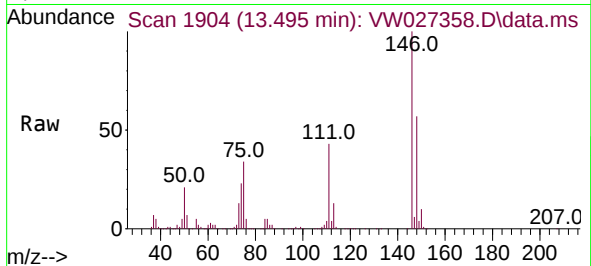
Tgt Ion:105 Resp: 330778
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.2



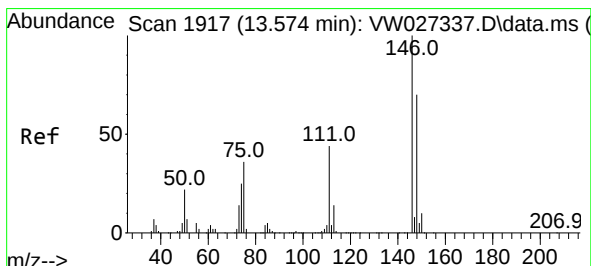
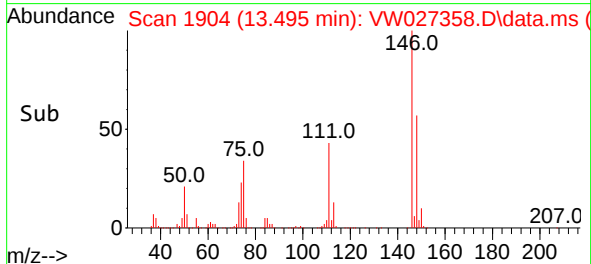
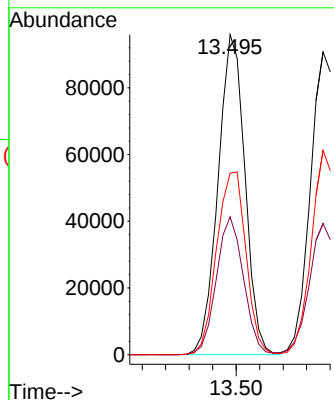


#64
1,3-Dichlorobenzene
Concen: 20.843 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Instrument :
MSVOA_W
ClientSampleId :

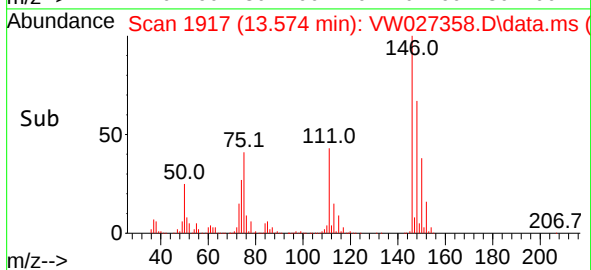
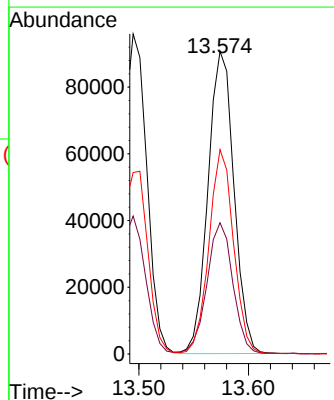
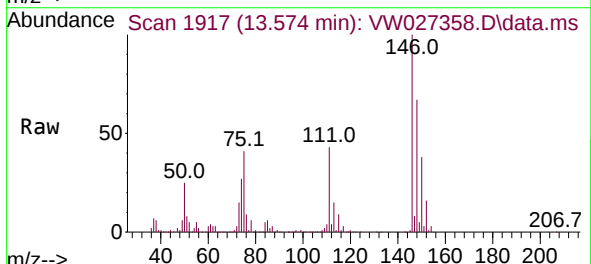


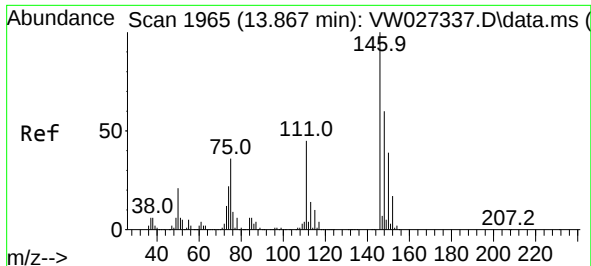
Tgt Ion:146 Resp: 152762
Ion Ratio Lower Upper
146 100
111 43.1 30.8 57.2
148 56.7 46.3 85.9



#65
1,4-Dichlorobenzene
Concen: 20.410 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027358.D
Acq: 19 Oct 2023 19:12

Tgt Ion:146 Resp: 149384
Ion Ratio Lower Upper
146 100
111 43.3 29.5 54.9
148 67.5 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 21.250 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

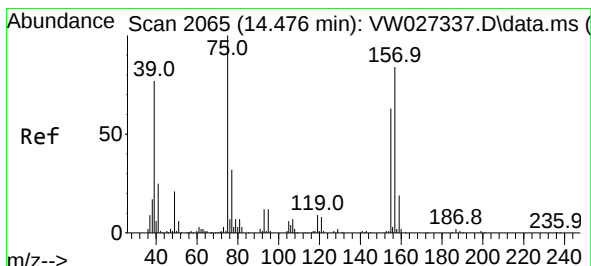
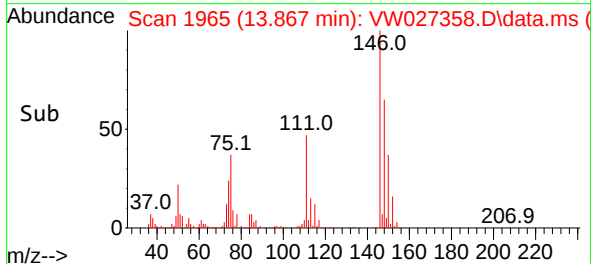
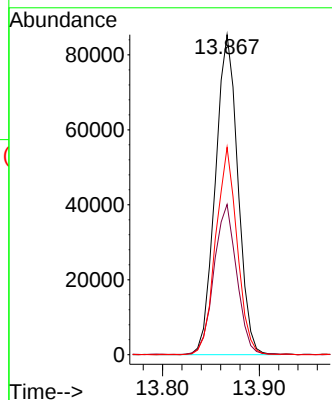
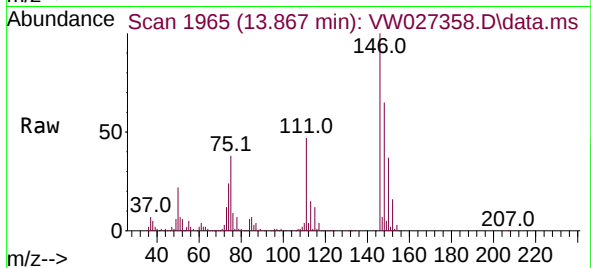
Tgt Ion:146 Resp: 138199

Ion Ratio Lower Upper

146 100

111 47.0 36.8 55.2

148 64.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 29.225 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

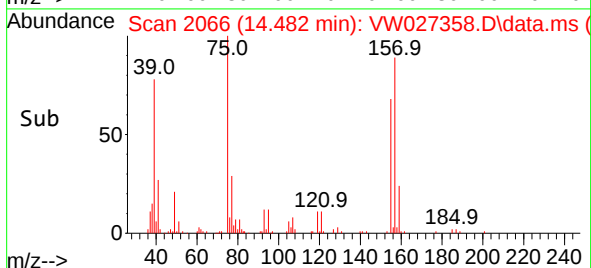
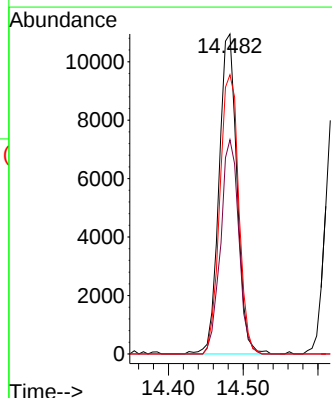
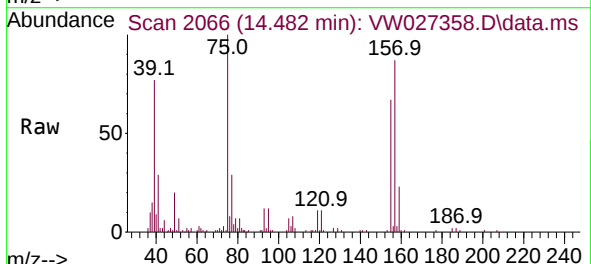
Tgt Ion: 75 Resp: 18348

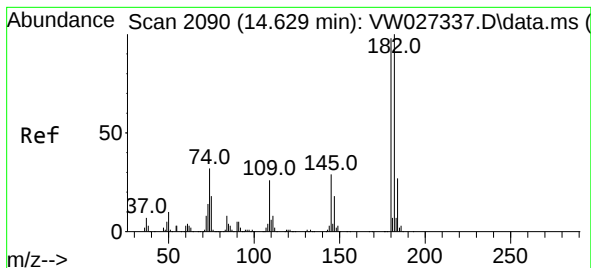
Ion Ratio Lower Upper

75 100

155 66.9 54.9 82.3

157 87.2 64.7 97.1





#69

1,3,5-Trichlorobenzene

Concen: 13.015 ug/L

RT: 14.629 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 61923

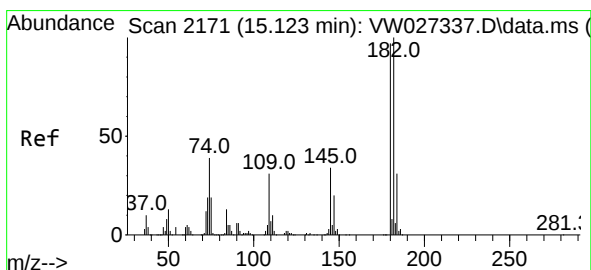
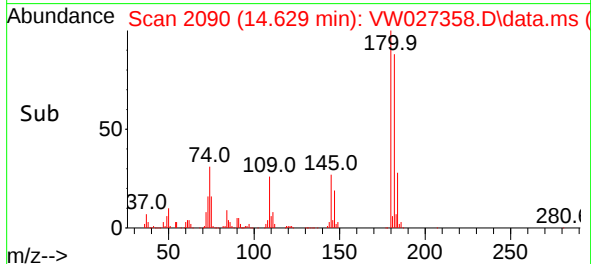
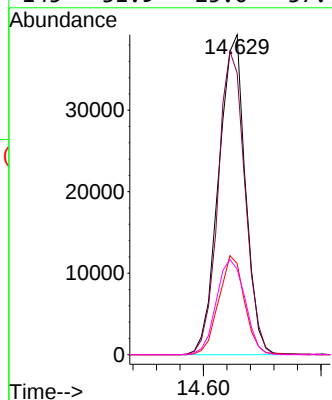
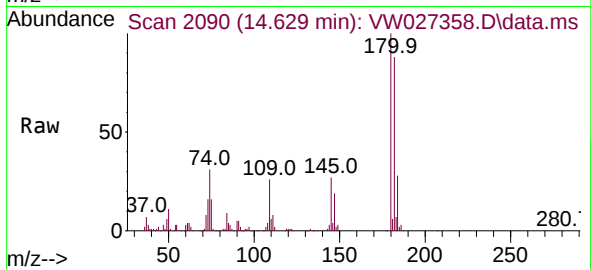
Ion Ratio Lower Upper

180 100

182 95.6 73.4 110.0

184 29.9 23.3 34.9

145 31.9 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 11.992 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

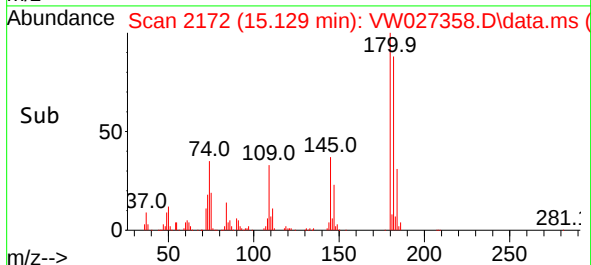
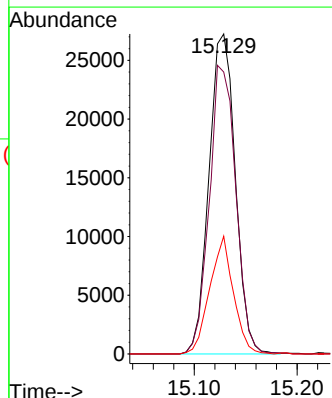
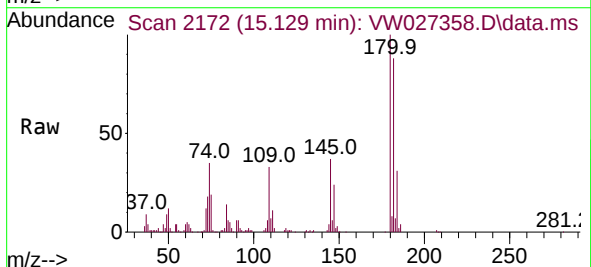
Tgt Ion:180 Resp: 48562

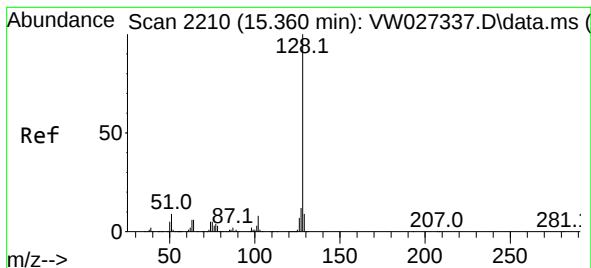
Ion Ratio Lower Upper

180 100

182 90.7 75.5 113.3

145 33.1 26.4 39.6





#71

Naphthalene

Concen: 18.801 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Instrument :

MSVOA_W

ClientSampleId :

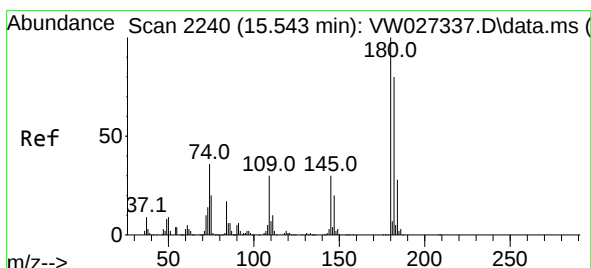
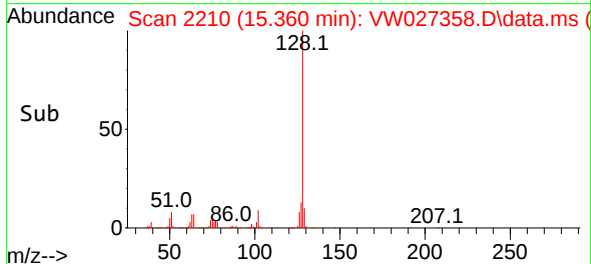
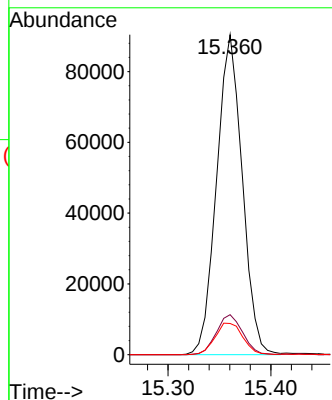
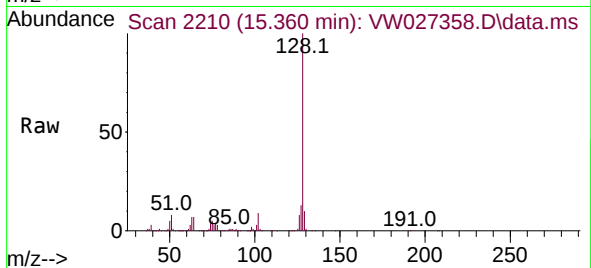
Tgt Ion:128 Resp: 156565

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 12.151 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW027358.D

Acq: 19 Oct 2023 19:12

Tgt Ion:180 Resp: 40462

Ion Ratio Lower Upper

180 100

182 89.3 81.1 121.7

145 35.3 30.6 45.8

