

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
 Data File : VW027367.D
 Acq On : 20 Oct 2023 12:33
 Operator : SY/MD
 Sample : 04953-10MSDRE
 Misc : 4.34g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 21 04:27:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 21 04:25:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	474482	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	327883	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	102805	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	167345	23.110	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.440%
7) Chloroethane-d5	2.899	69	133533	25.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.720%
11) 1,1-Dichloroethene-d2	4.021	65	78116	21.529	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.120%
21) 2-Butanone-d5	7.081	46	100599	41.797	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.600%
24) Chloroform-d	7.654	84	334183	23.631	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.520%
26) 1,2-Dichloroethane-d4	8.307	65	184433	24.278	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.120%
32) Benzene-d6	8.276	84	661823	29.834	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.320%
36) 1,2-Dichloropropane-d6	9.276	67	214094	31.597	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.400%#
41) Toluene-d8	10.325	98	511058	25.405	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	10.581	79	75909	24.571	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.280%
47) 2-Hexanone-d5	10.922	63	79370	56.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.240%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	140041	27.702	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	13.848	152	84764	22.753	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	129776	22.987	ug/L	96
3) Chloromethane	2.229	50	171418	26.421	ug/L	95
5) Vinyl chloride	2.381	62	182703	25.210	ug/L	97
6) Bromomethane	2.789	94	89636	21.715	ug/L	99
8) Chloroethane	2.936	64	107536	25.778	ug/L	98
9) Trichlorofluoromethane	3.271	101	134688	26.343	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	125281	19.568	ug/L	99
12) 1,1-Dichloroethene	4.045	96	141974	22.819	ug/L	95
13) Acetone	4.131	43	111941	53.849	ug/L	97
14) Carbon disulfide	4.393	76	357957	18.558	ug/L	99
15) Methyl Acetate	4.673	43	75653	21.307	ug/L #	78
16) Methylene chloride	4.923	84	180386	20.769	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	147145	22.006	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	300301	26.030	ug/L	99
19) 1,1-Dichloroethane	6.222	63	338593	24.819	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	172421	22.833	ug/L	95
22) 2-Butanone	7.173	43	147313	47.344	ug/L	97
23) Bromochloromethane	7.514	128	75022	24.064	ug/L	86
25) Chloroform	7.679	83	308343	24.149	ug/L	99

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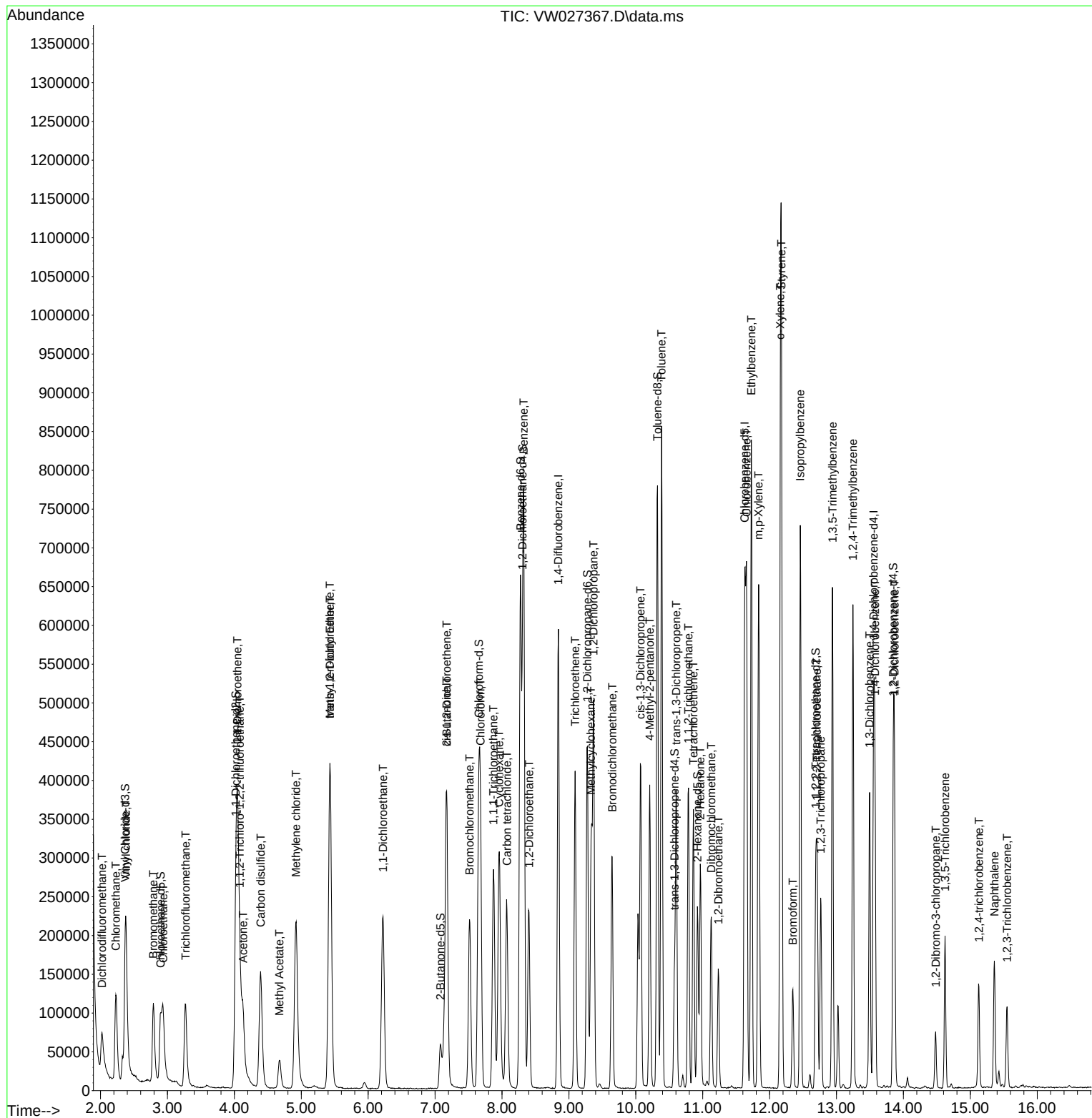
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	214409	24.720	ug/L	98
29) Cyclohexane	7.959	56	193885	19.475	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	236354	29.551	ug/L	99
31) Carbon tetrachloride	8.075	117	185118	25.669	ug/L	98
33) Benzene	8.325	78	650052	30.336	ug/L	100
34) Trichloroethene	9.093	95	145147	25.643	ug/L	95
35) Methylcyclohexane	9.331	83	130674	12.910	ug/L	98
37) 1,2-Dichloropropane	9.368	63	185291	31.980	ug/L	98
38) Bromodichloromethane	9.648	83	208841	29.313	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	248853	26.001	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	264828	66.463	ug/L	99
42) Toluene	10.386	91	594324	26.439	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	206927	25.623	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	123111	30.878	ug/L	96
46) Tetrachloroethene	10.861	164	74987	19.186	ug/L	95
48) 2-Hexanone	10.965	43	197282	66.894	ug/L	97
49) Dibromochloromethane	11.129	129	113766	25.693	ug/L	99
50) 1,2-Dibromoethane	11.233	107	104468	27.025	ug/L	98
51) Chlorobenzene	11.654	112	317809	22.577	ug/L	99
52) Ethylbenzene	11.727	91	559233	21.409	ug/L	97
53) m,p-Xylene	11.837	106	200792	20.266	ug/L	97
54) o-Xylene	12.160	106	204099	21.512	ug/L	98
55) Styrene	12.178	104	333031	20.553	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	133122	27.351	ug/L	97
59) Bromoform	12.349	173	55093	36.014	ug/L	98
60) Isopropylbenzene	12.458	105	454558	28.146	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	104762	46.670	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	339204	25.180	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	321467	24.389	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	139882	21.359	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	144153	22.041	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	136446	23.479	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.482	75	19428	34.630	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	52815	12.423	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	39154	10.820	ug/L	98
71) Naphthalene	15.360	128	132647	17.826	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	31260	10.506	ug/L	94

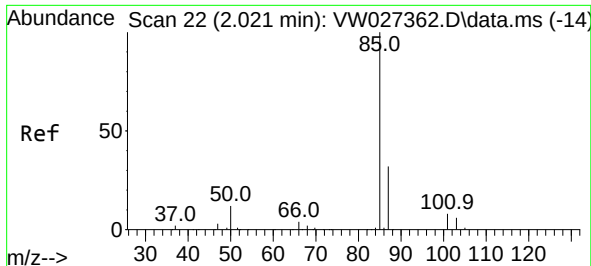
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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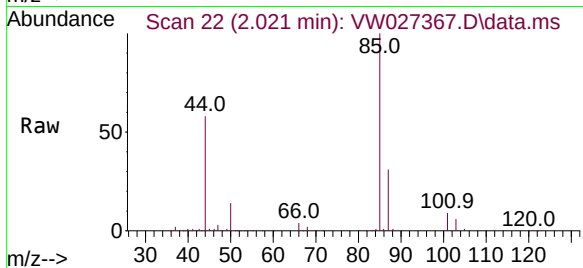
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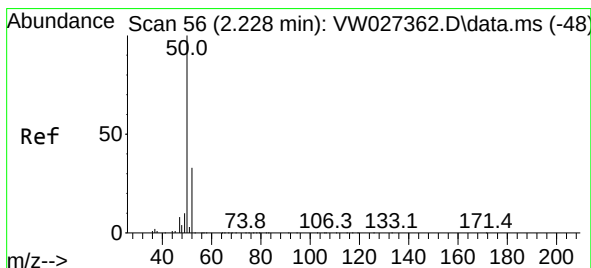
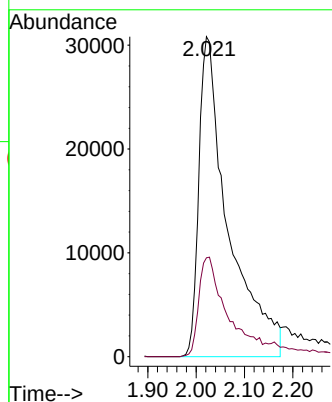
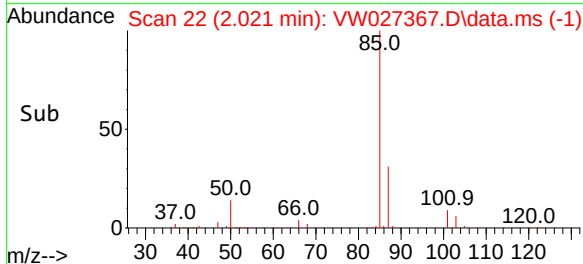


#2
 Dichlorodifluoromethane
 Concen: 22.987 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Instrument :
 MSVOA_W
 ClientSampleId :

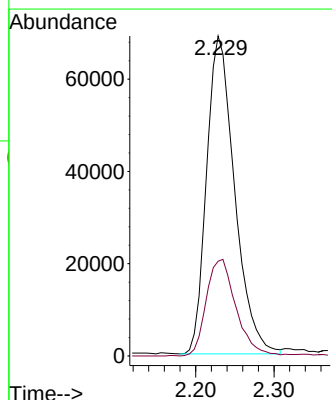
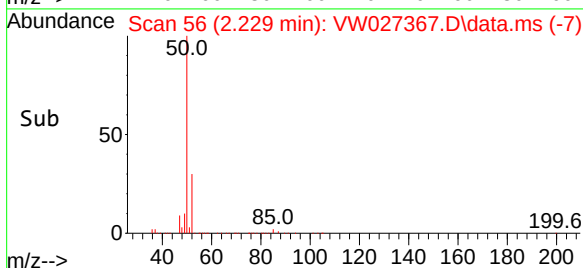
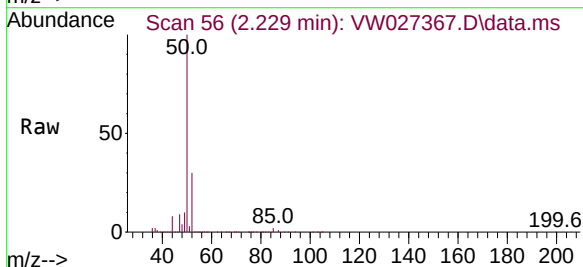


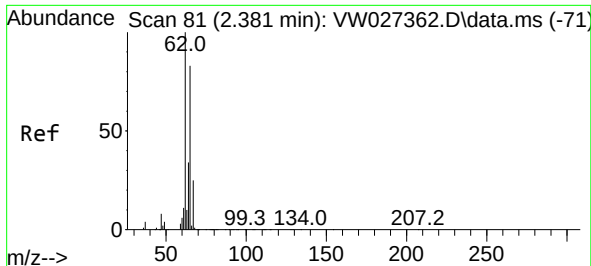
Tgt Ion: 85 Resp: 129776
 Ion Ratio Lower Upper
 85 100
 87 24.9 18.3 27.5



#3
 Chloromethane
 Concen: 26.421 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Tgt Ion: 50 Resp: 171418
 Ion Ratio Lower Upper
 50 100
 52 29.6 22.7 42.3

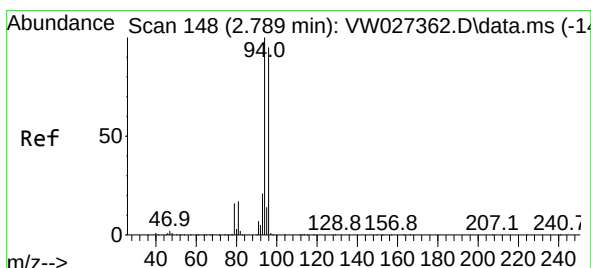
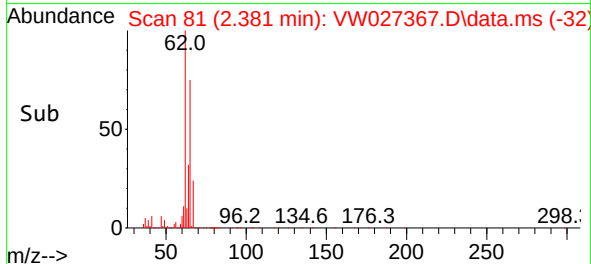
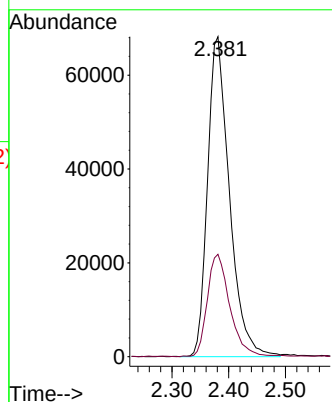
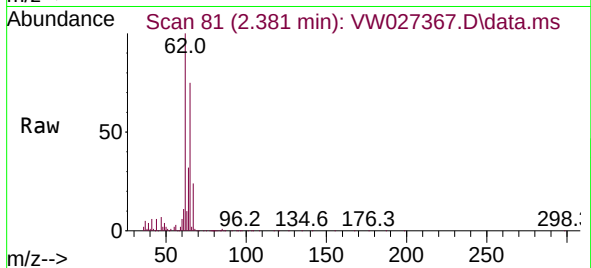




#5
 Vinyl chloride
 Concen: 25.210 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

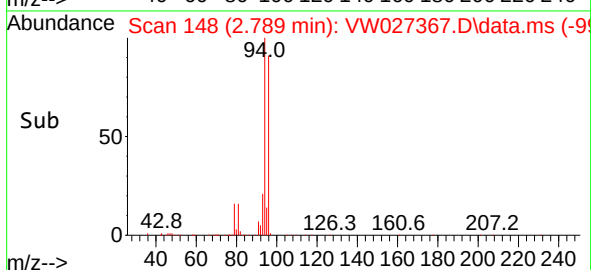
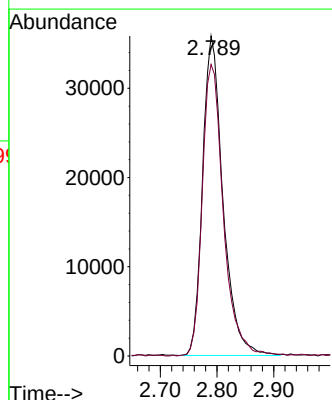
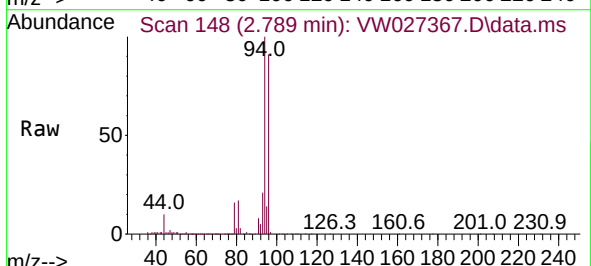
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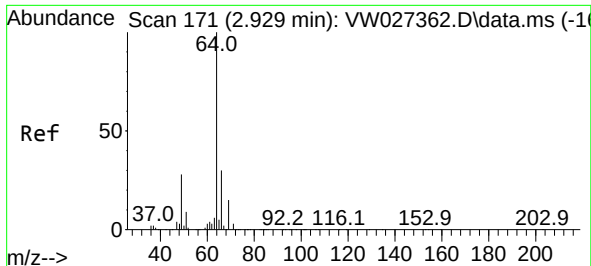
Tgt Ion: 62 Resp: 182703
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.8 44.2



#6
 Bromomethane
 Concen: 21.715 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Tgt Ion: 94 Resp: 89636
 Ion Ratio Lower Upper
 94 100
 96 91.1 62.9 116.9

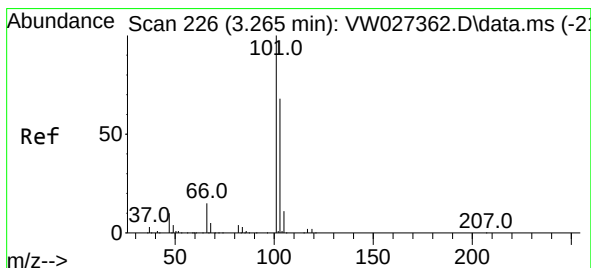
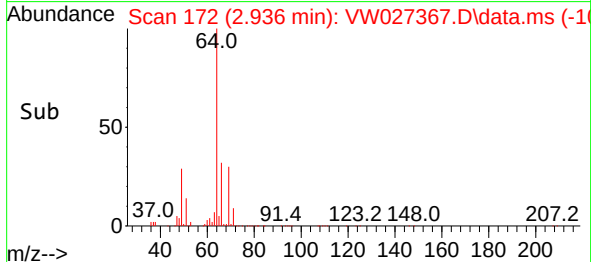
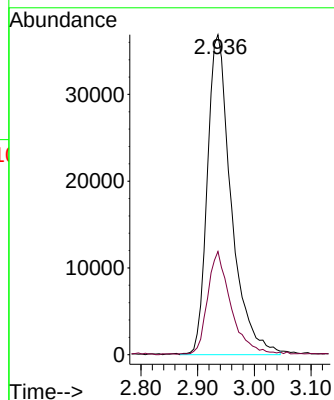
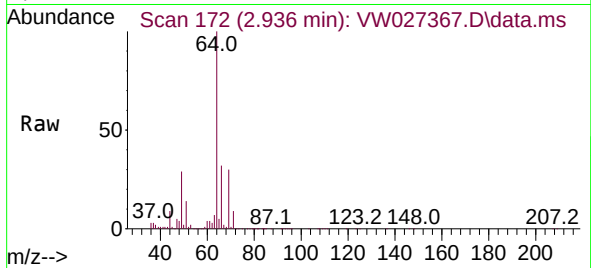




#8
Chloroethane
Concen: 25.778 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

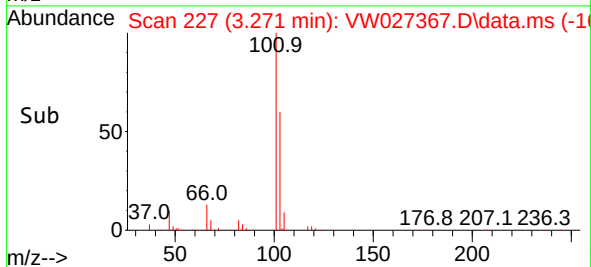
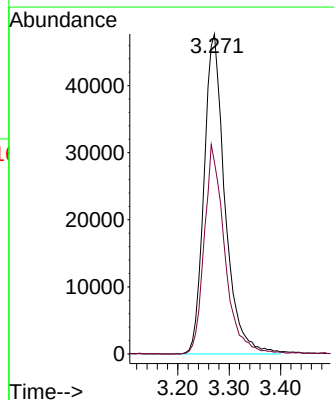
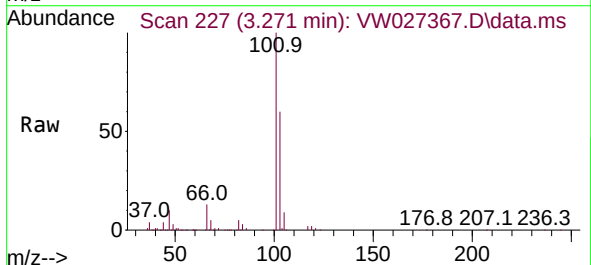
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MSVOA_W
ClientSampleId :

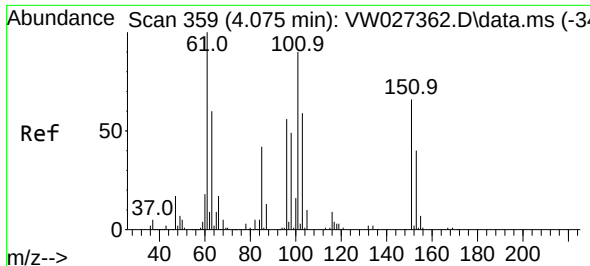
Tgt Ion: 64 Resp: 107536
Ion Ratio Lower Upper
64 100
66 32.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 26.343 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion:101 Resp: 134688
Ion Ratio Lower Upper
101 100
103 63.8 51.6 77.4

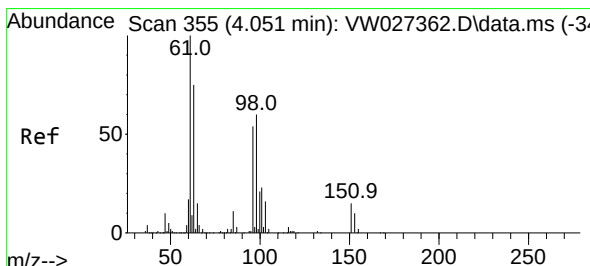
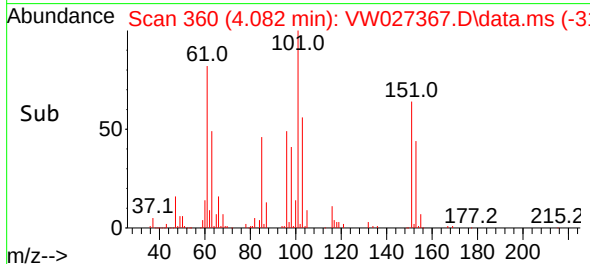
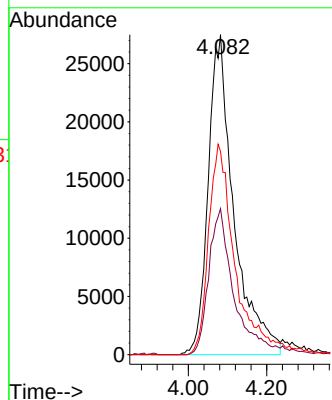
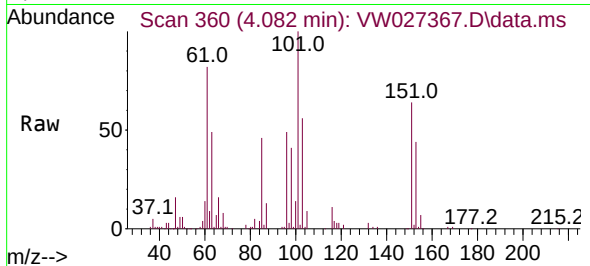




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.568 ug/L
 RT: 4.082 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

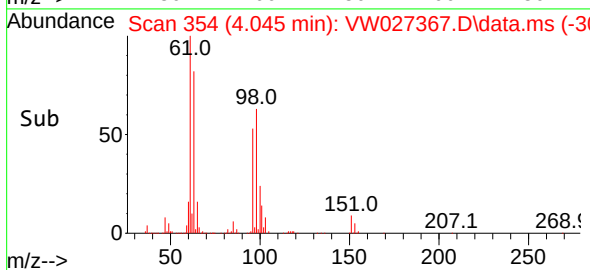
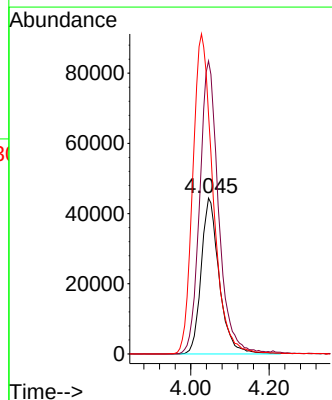
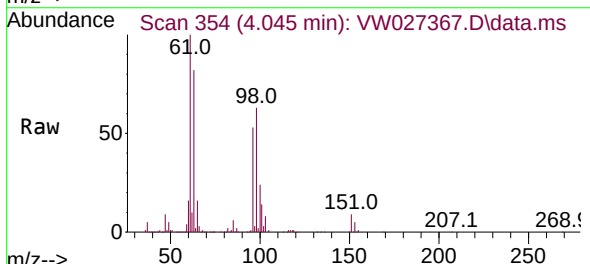
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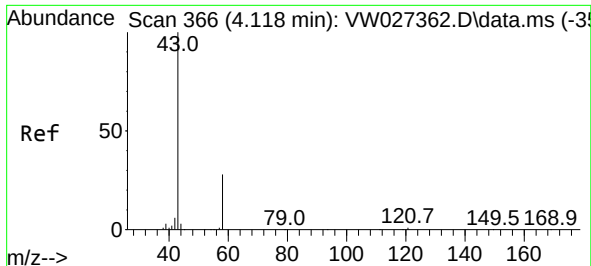
Tgt Ion:101 Resp: 125281
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.1 51.1
 151 62.4 49.5 74.3



#12
 1,1-Dichloroethene
 Concen: 22.819 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Tgt Ion: 96 Resp: 141974
 Ion Ratio Lower Upper
 96 100
 61 187.9 133.3 247.5
 63 153.7 115.8 215.2

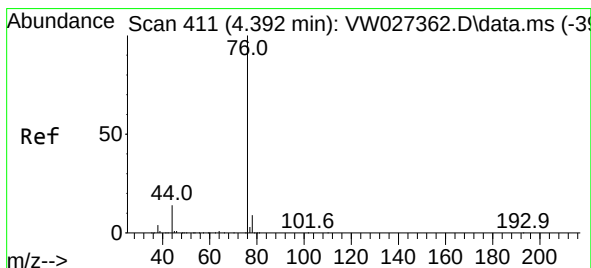
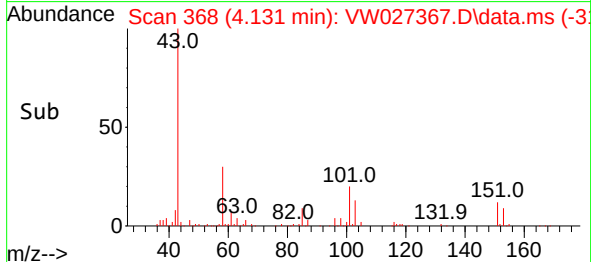
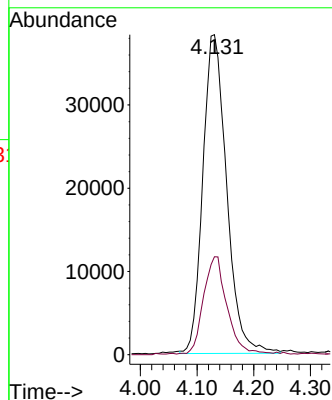
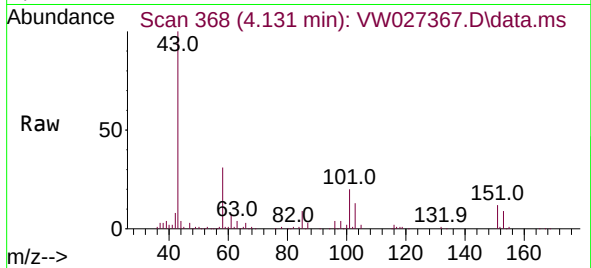




#13
Acetone
Concen: 53.849 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.013 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

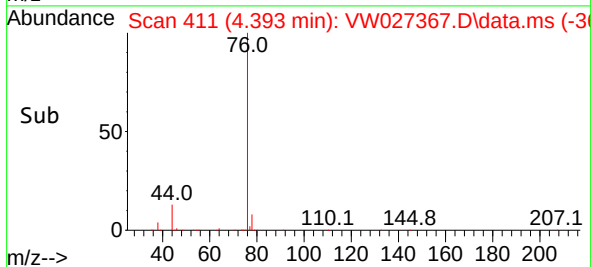
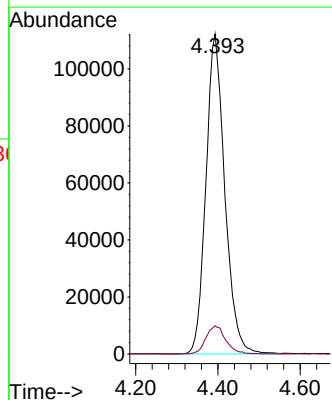
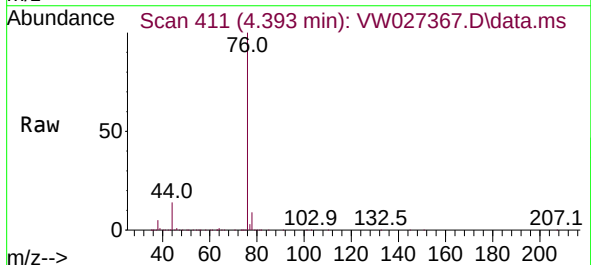
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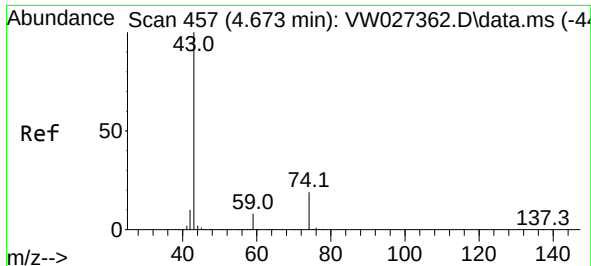
Tgt Ion: 43 Resp: 111941
Ion Ratio Lower Upper
43 100
58 28.7 0.0 60.8



#14
Carbon disulfide
Concen: 18.558 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 357957
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

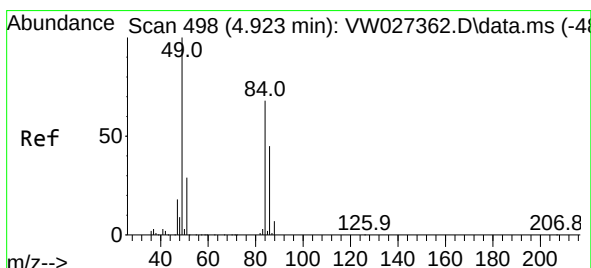
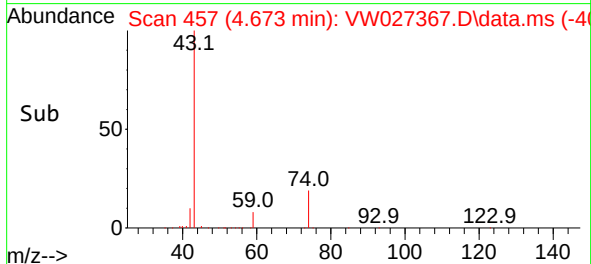
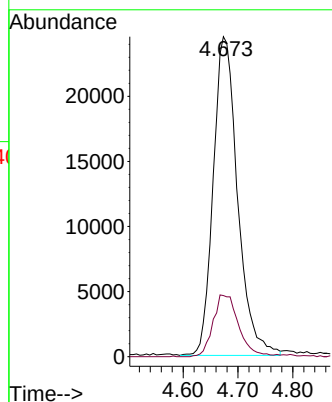
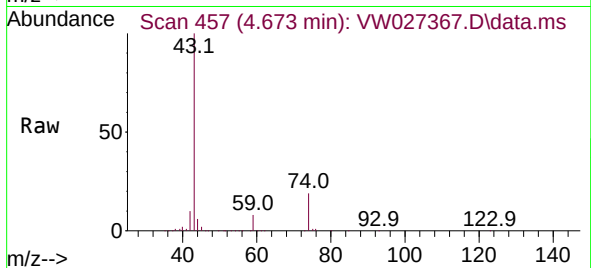




#15
Methyl Acetate
Concen: 21.307 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

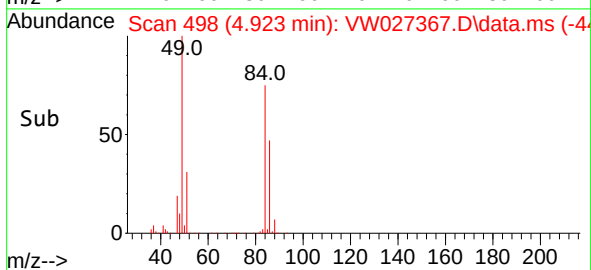
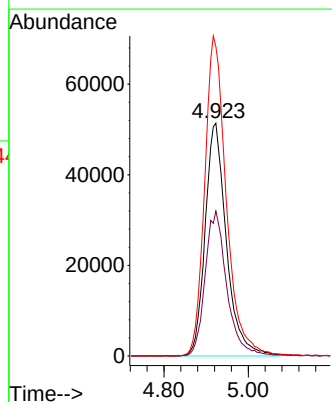
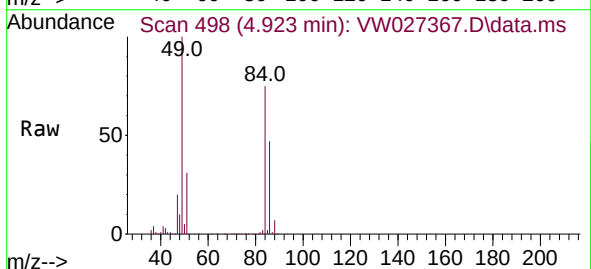
Instrument :
MSVOA_W
ClientSampleId :

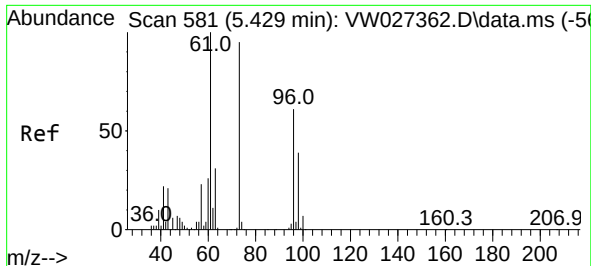
Tgt Ion: 43 Resp: 75653
Ion Ratio Lower Upper
43 100
74 11.5 17.5 26.3#



#16
Methylene chloride
Concen: 20.769 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

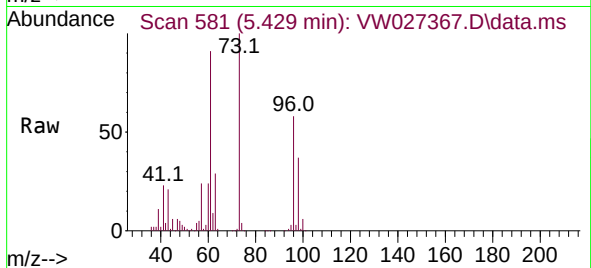
Tgt Ion: 84 Resp: 180386
Ion Ratio Lower Upper
84 100
86 62.3 41.3 76.7
49 133.0 92.8 172.4





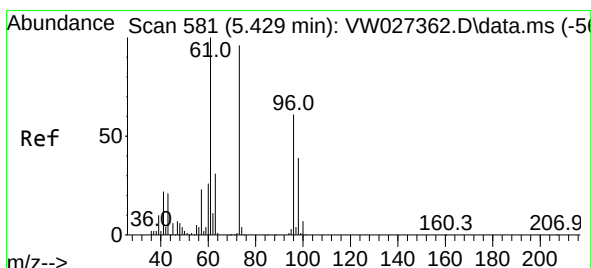
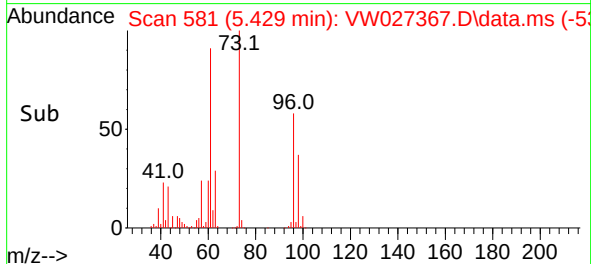
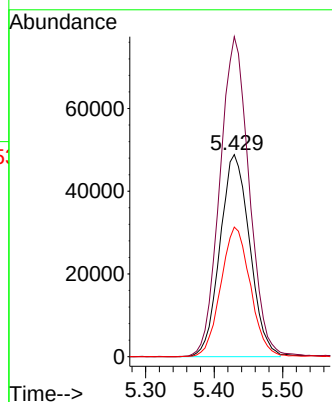
#17
trans-1,2-Dichloroethene
Concen: 22.006 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 147145

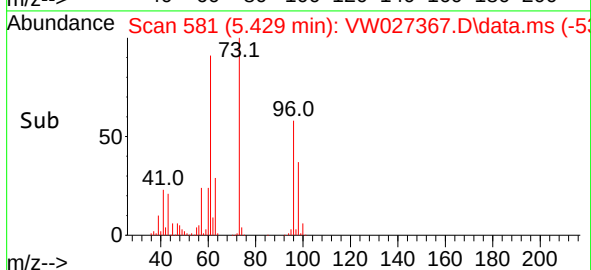
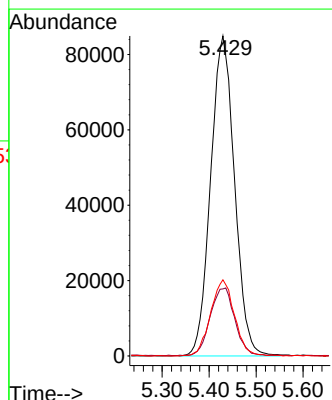
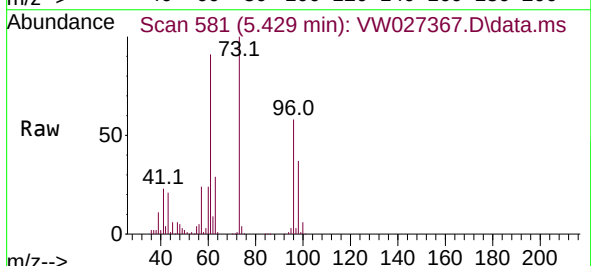
Ion	Ratio	Lower	Upper
96	100		
61	158.4	105.6	196.0
98	64.1	45.0	83.6

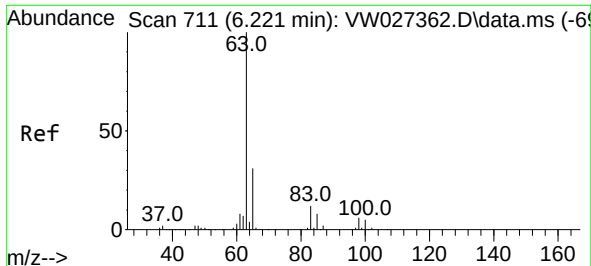


#18
Methyl tert-butyl Ether
Concen: 26.030 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion: 73 Resp: 300301

Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.7	26.5
57	23.7	18.5	27.7





#19

1,1-Dichloroethane

Concen: 24.819 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

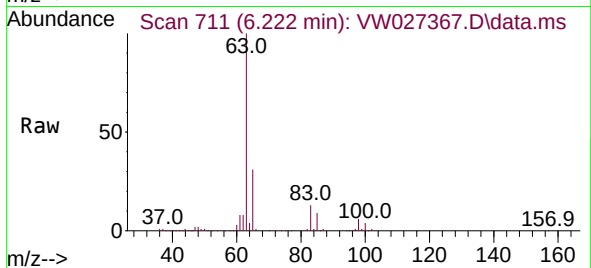
Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :



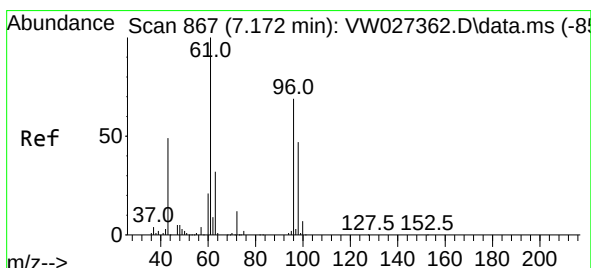
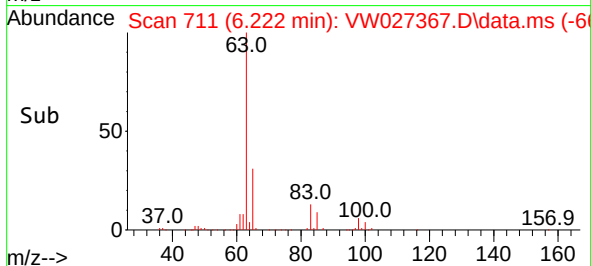
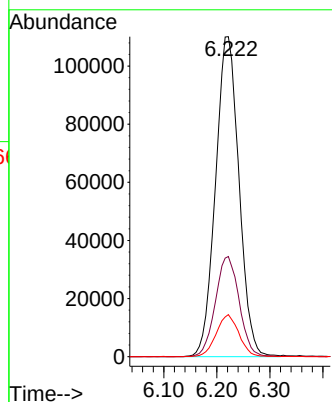
Tgt Ion: 63 Resp: 338593

Ion Ratio Lower Upper

63 100

65 31.3 22.9 42.5

83 13.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 22.833 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

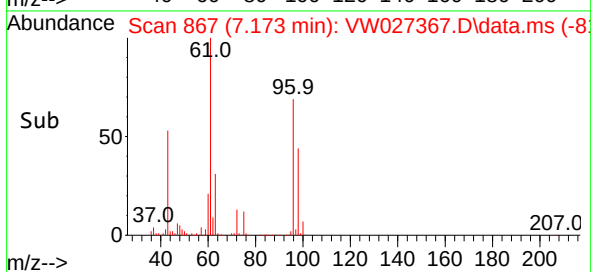
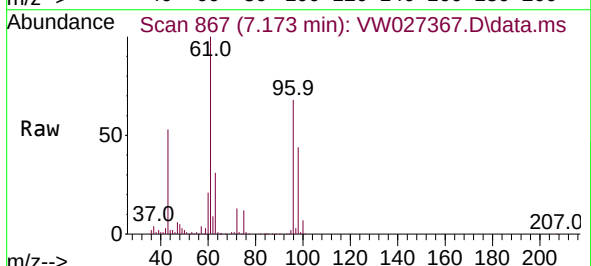
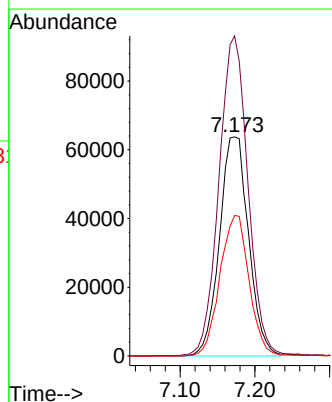
Tgt Ion: 96 Resp: 172421

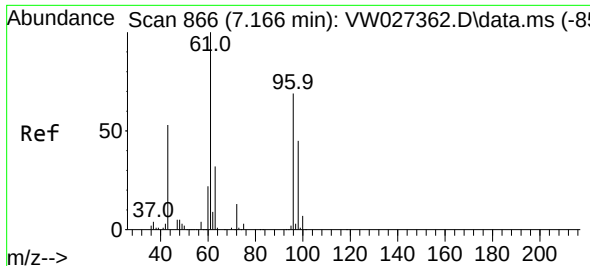
Ion Ratio Lower Upper

96 100

61 146.1 96.2 178.8

98 64.1 46.0 85.4

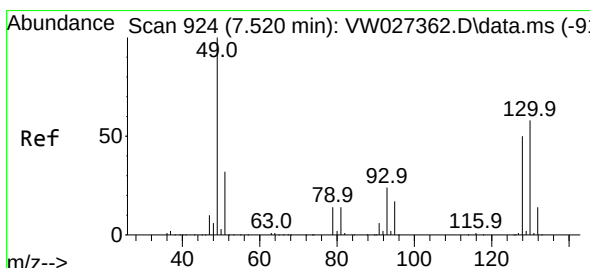
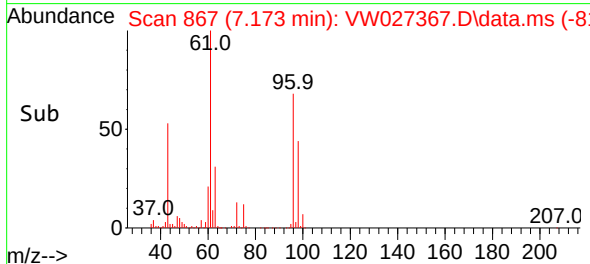
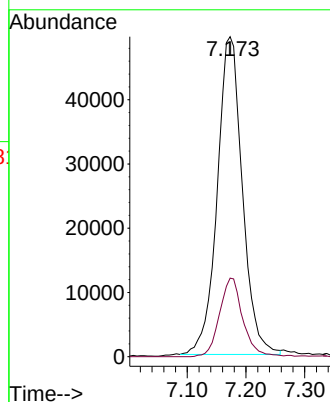
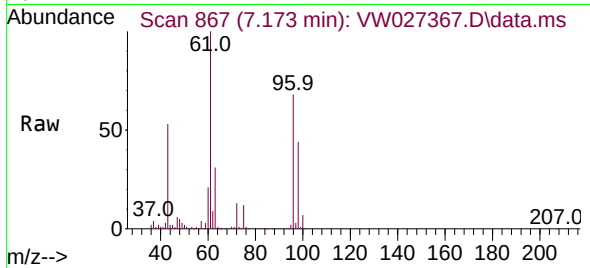




#22
2-Butanone
Concen: 47.344 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

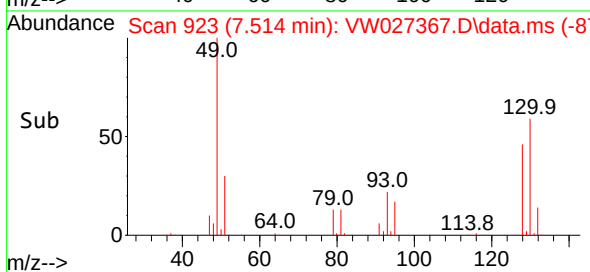
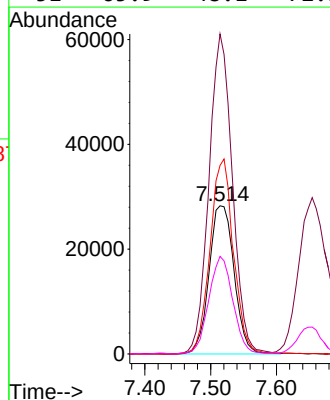
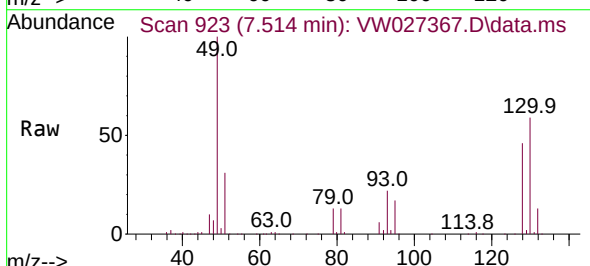
Instrument :
MSVOA_W
ClientSampleId :

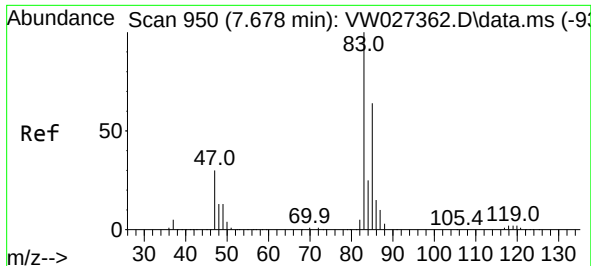
Tgt Ion: 43 Resp: 147313
Ion Ratio Lower Upper
43 100
72 22.8 12.3 36.8



#23
Bromochloromethane
Concen: 24.064 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion: 128 Resp: 75022
Ion Ratio Lower Upper
128 100
49 216.0 128.9 239.5
130 127.2 85.0 157.8
51 65.9 48.1 72.1





#25

Chloroform

Concen: 24.149 ug/L

RT: 7.679 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

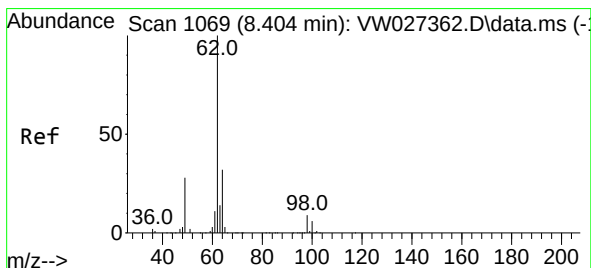
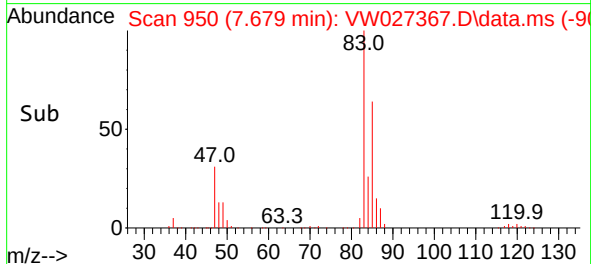
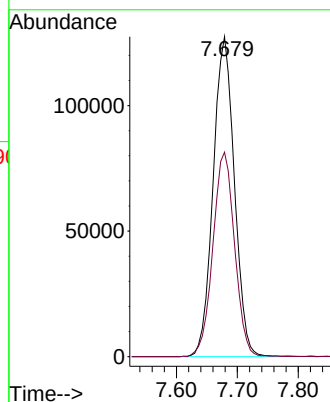
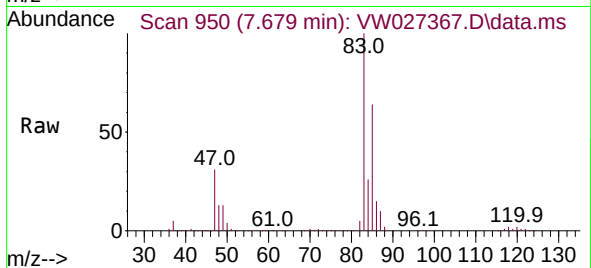
ClientSampleId :

Tgt Ion: 83 Resp: 308343

Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9



#27

1,2-Dichloroethane

Concen: 24.720 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VW027367.D

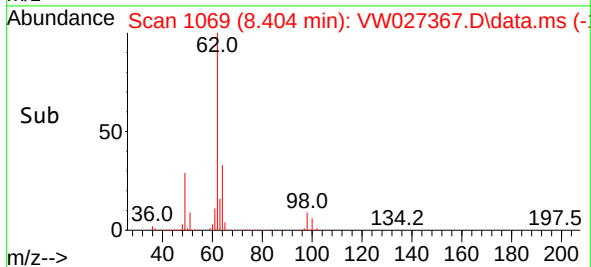
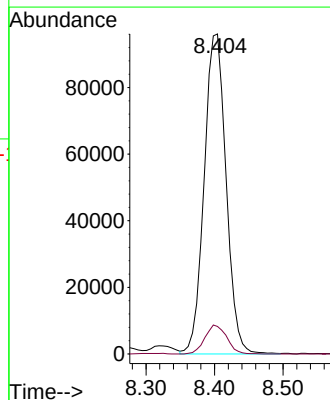
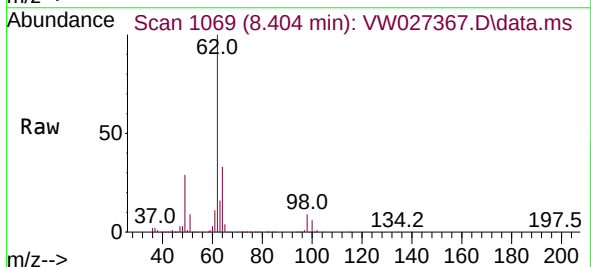
Acq: 20 Oct 2023 12:33

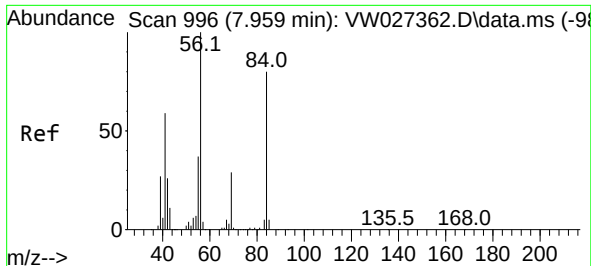
Tgt Ion: 62 Resp: 214409

Ion Ratio Lower Upper

62 100

98 8.6 7.5 11.3





#29

Cyclohexane

Concen: 19.475 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

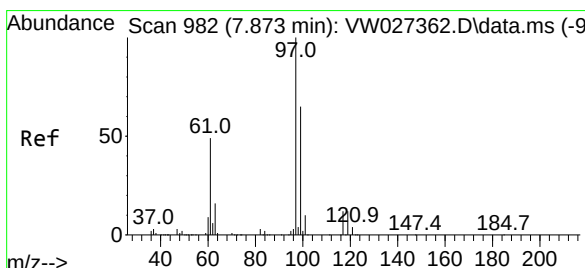
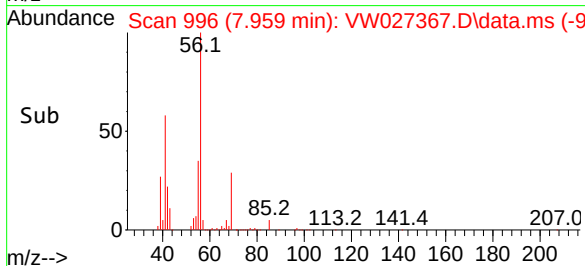
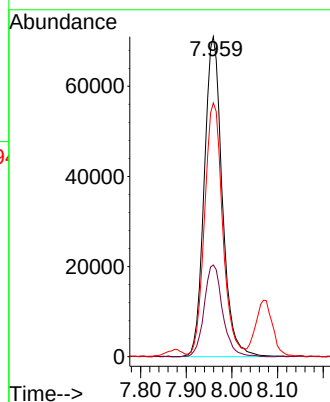
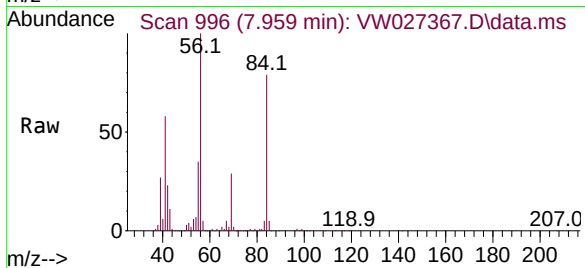
Tgt Ion: 56 Resp: 193885

Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.4

84 80.2 65.1 97.7



#30

1,1,1-Trichloroethane

Concen: 29.551 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

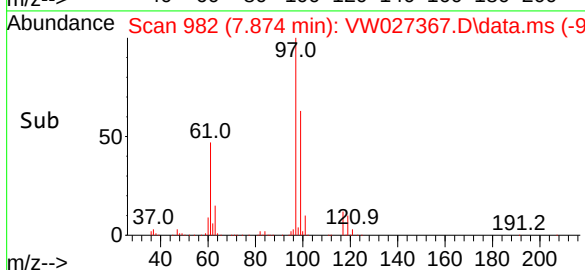
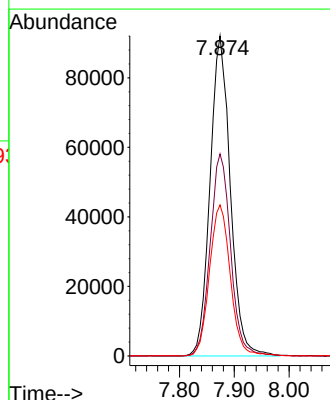
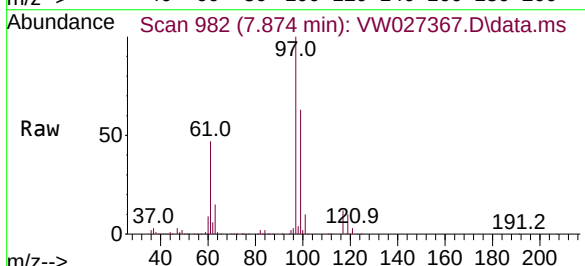
Tgt Ion: 97 Resp: 236354

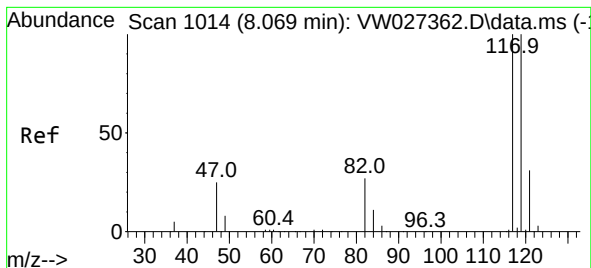
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 48.2 37.4 56.0





#31

Carbon tetrachloride

Concen: 25.669 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

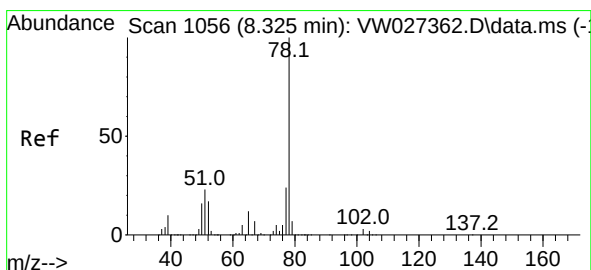
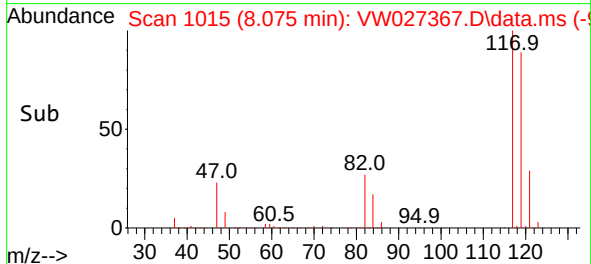
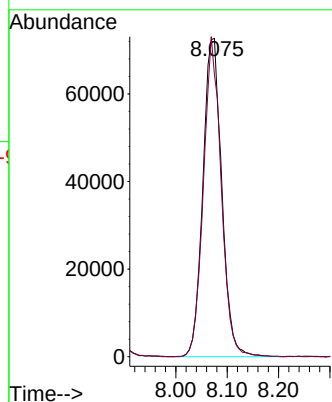
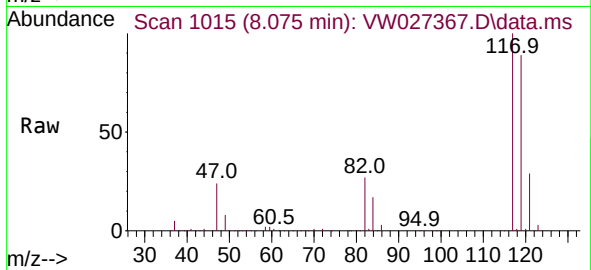
ClientSampleId :

Tgt Ion:117 Resp: 185118

Ion Ratio Lower Upper

117 100

119 94.3 77.1 115.7



#33

Benzene

Concen: 30.336 ug/L

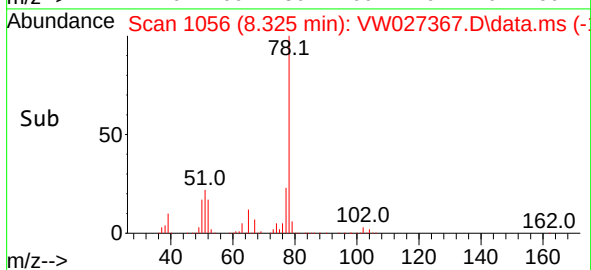
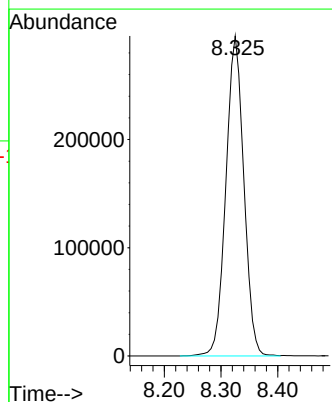
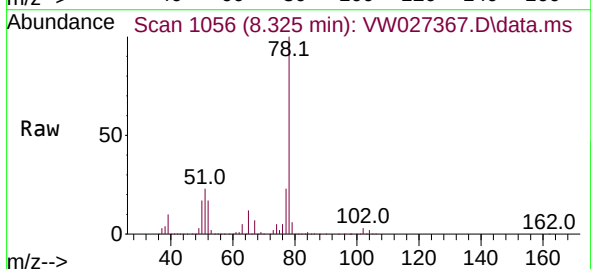
RT: 8.325 min Scan# 1056

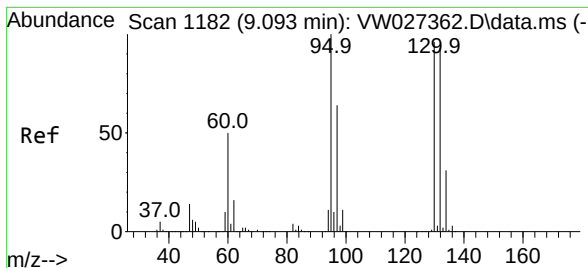
Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Tgt Ion: 78 Resp: 650052





#34

Trichloroethene

Concen: 25.643 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 145147

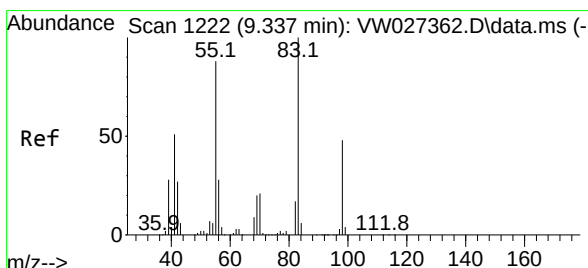
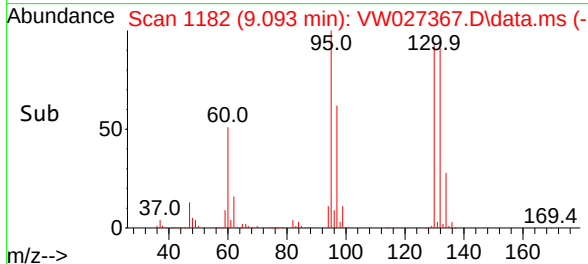
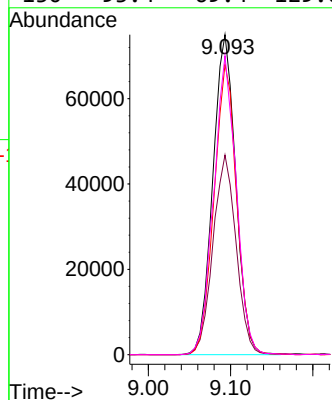
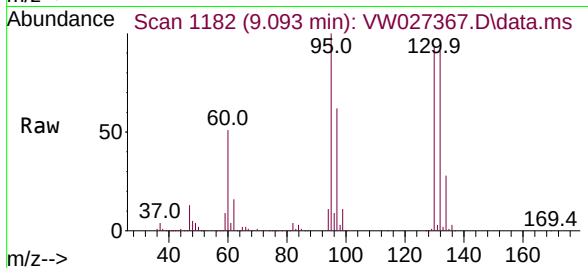
Ion Ratio Lower Upper

95 100

97 62.4 43.4 80.6

132 90.7 67.6 125.6

130 93.4 69.4 129.0



#35

Methylcyclohexane

Concen: 12.910 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

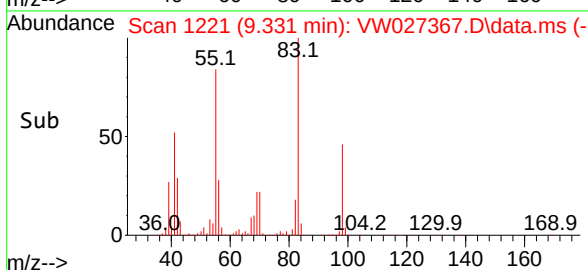
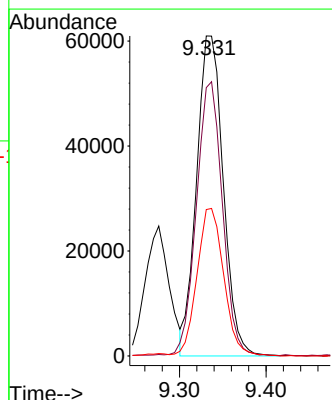
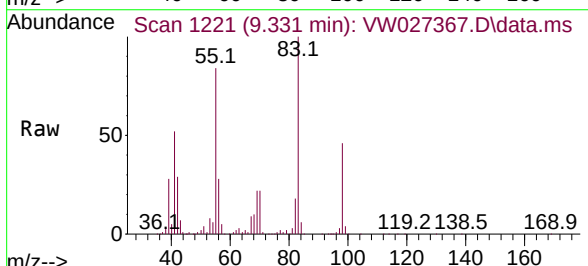
Tgt Ion: 83 Resp: 130674

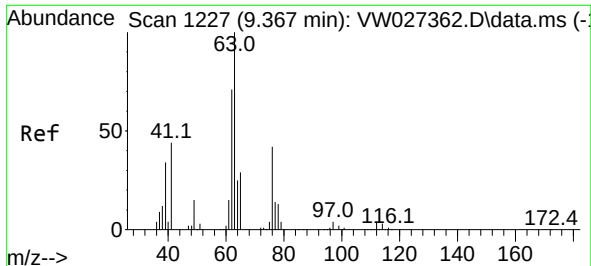
Ion Ratio Lower Upper

83 100

55 83.6 65.8 98.8

98 46.3 38.1 57.1





#37

1,2-Dichloropropane

Concen: 31.980 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

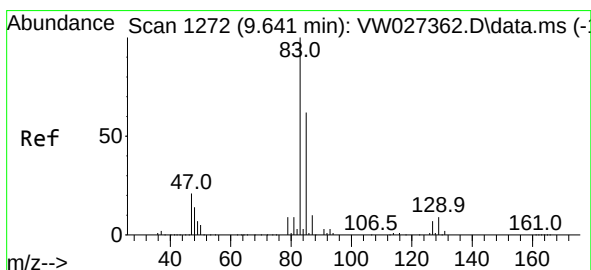
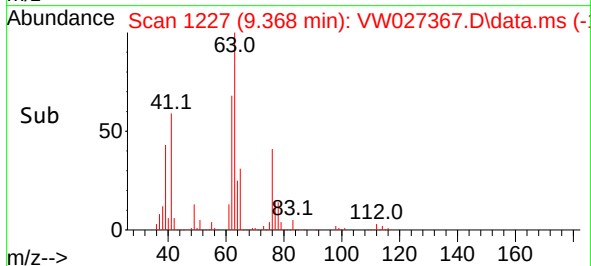
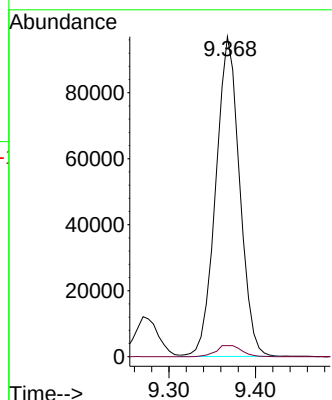
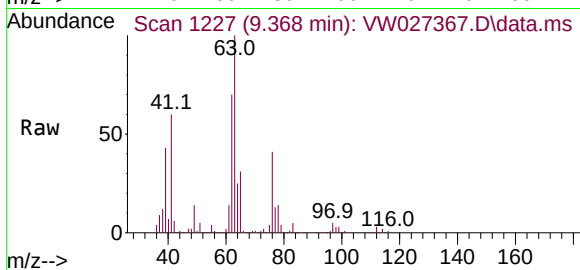
ClientSampleId :

Tgt Ion: 63 Resp: 185291

Ion Ratio Lower Upper

63 100

112 3.8 3.5 5.3



#38

Bromodichloromethane

Concen: 29.313 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

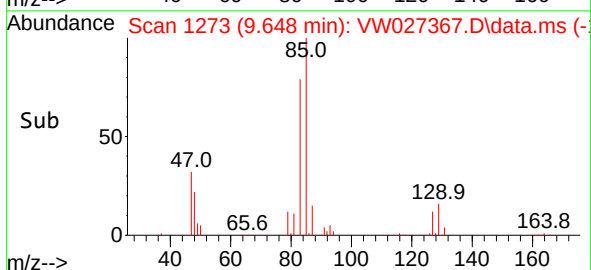
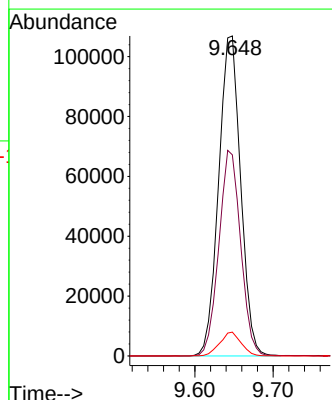
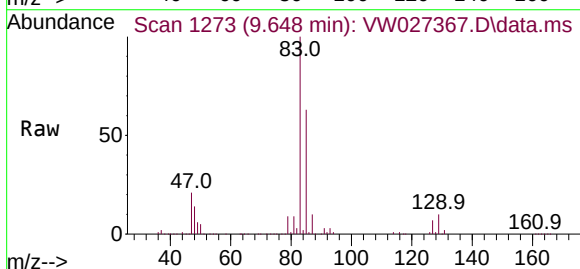
Tgt Ion: 83 Resp: 208841

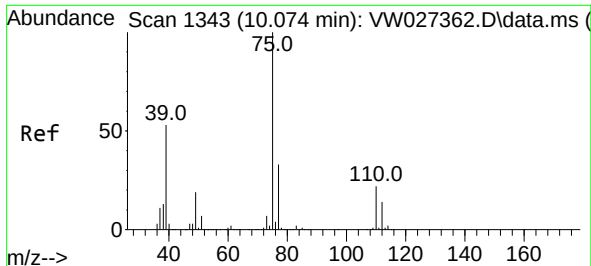
Ion Ratio Lower Upper

83 100

85 62.9 43.9 81.5

127 7.4 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 26.001 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

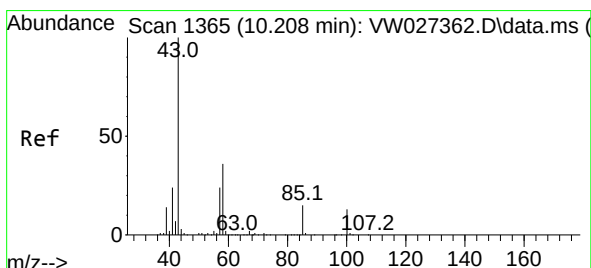
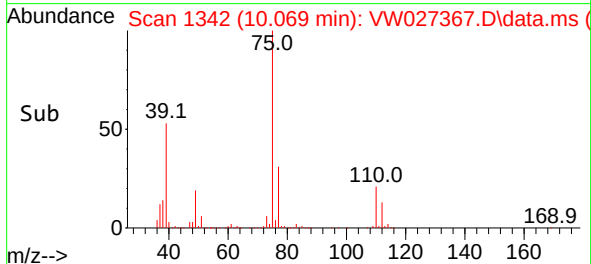
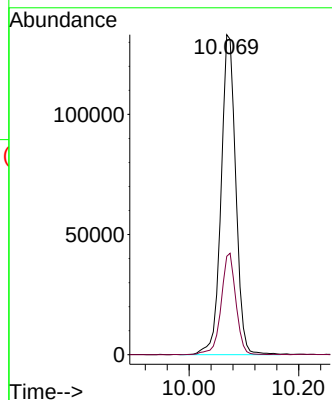
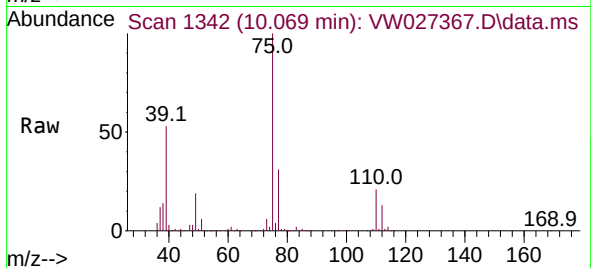
ClientSampleId :

Tgt Ion: 75 Resp: 248853

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 66.463 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

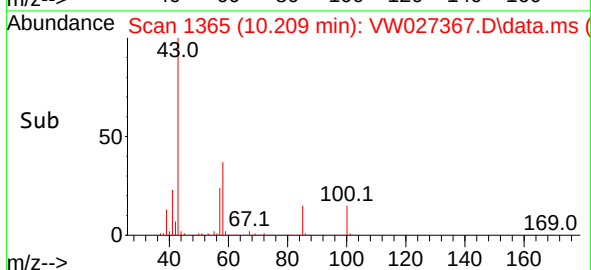
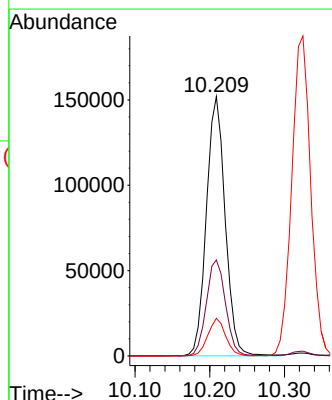
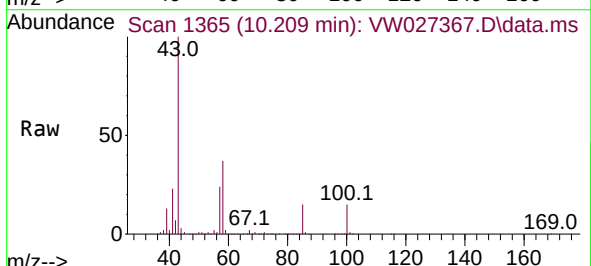
Tgt Ion: 43 Resp: 264828

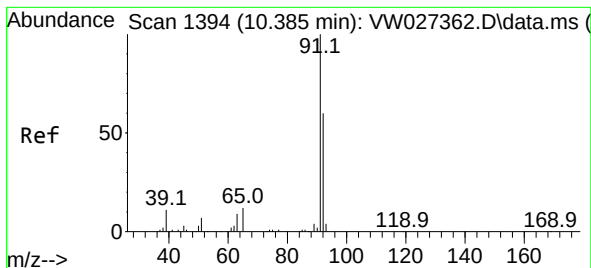
Ion Ratio Lower Upper

43 100

58 37.9 30.5 45.7

100 13.8 11.5 17.3





#42

Toluene

Concen: 26.439 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

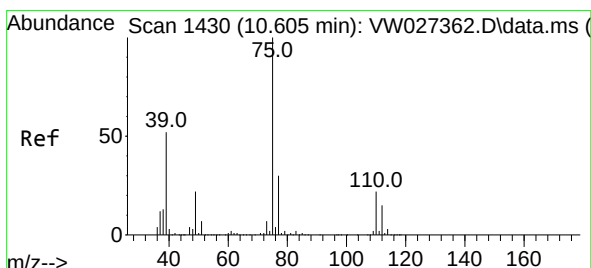
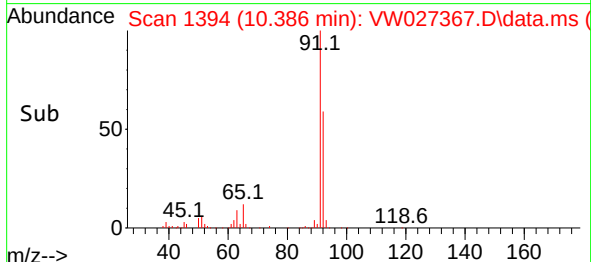
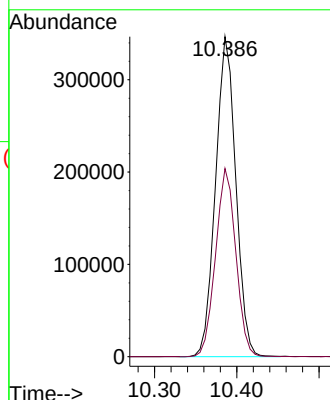
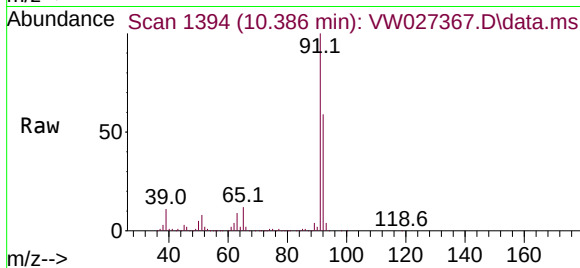
ClientSampleId :

Tgt Ion: 91 Resp: 594324

Ion Ratio Lower Upper

91 100

92 58.8 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 25.623 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027367.D

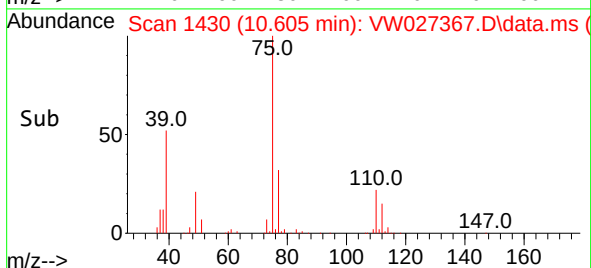
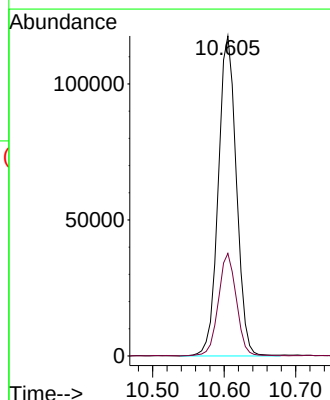
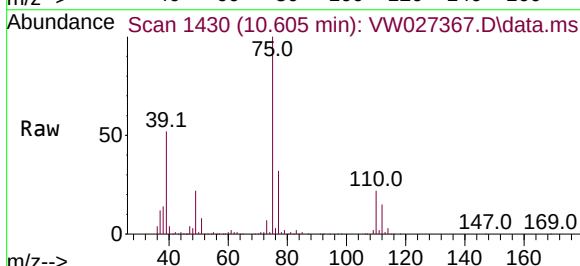
Acq: 20 Oct 2023 12:33

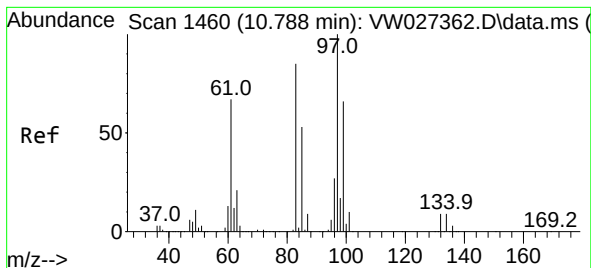
Tgt Ion: 75 Resp: 206927

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 30.878 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 123111

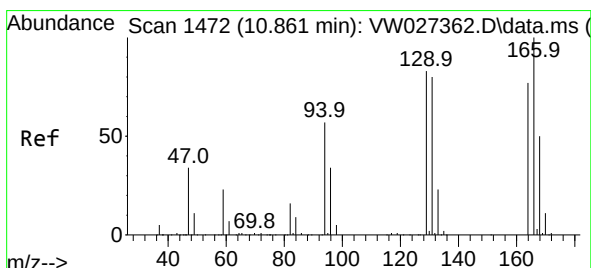
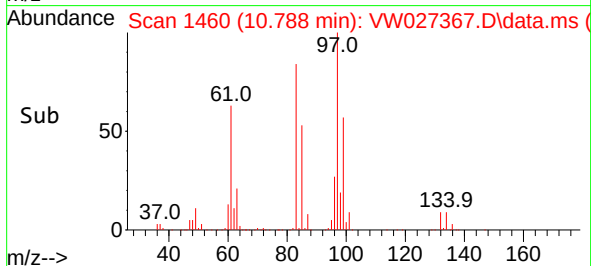
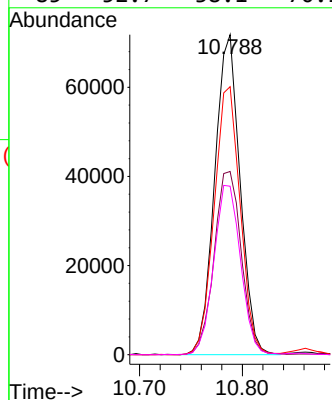
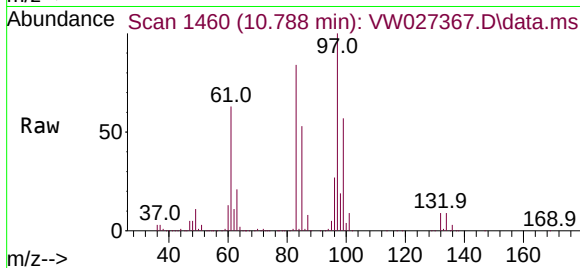
Ion Ratio Lower Upper

97 100

99 57.2 43.8 81.4

83 83.8 57.5 106.7

85 52.7 38.1 70.9



#46

Tetrachloroethene

Concen: 19.186 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Tgt Ion:164 Resp: 74987

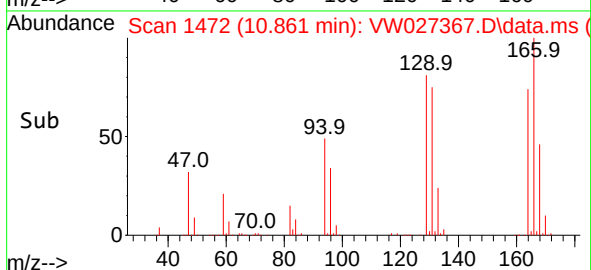
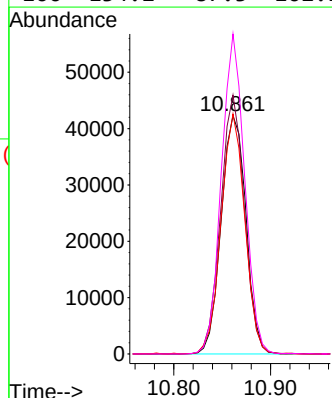
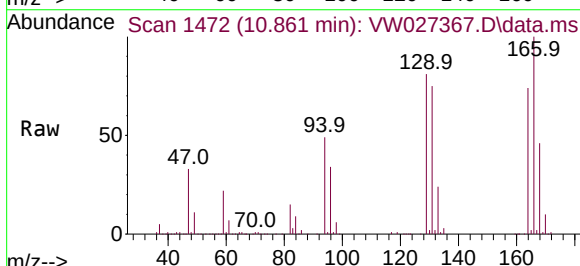
Ion Ratio Lower Upper

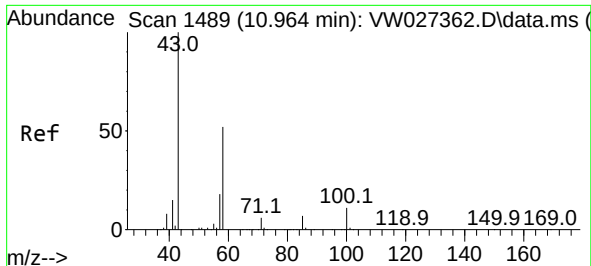
164 100

129 108.6 74.7 138.7

131 100.7 73.2 136.0

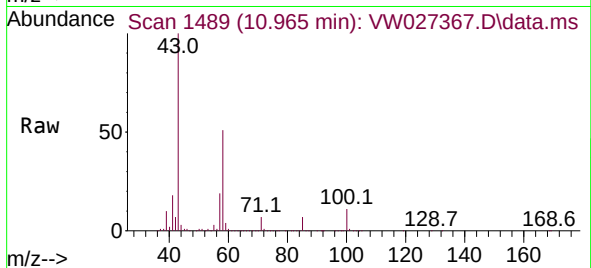
166 134.2 87.3 162.1



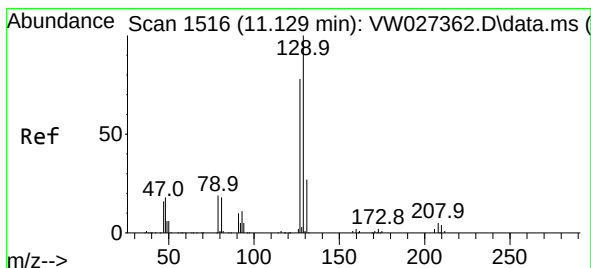
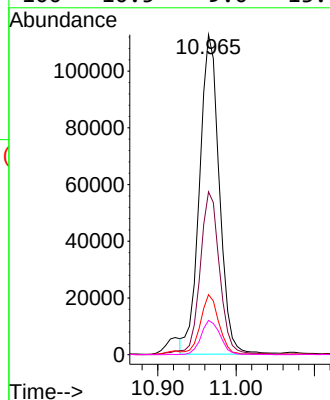
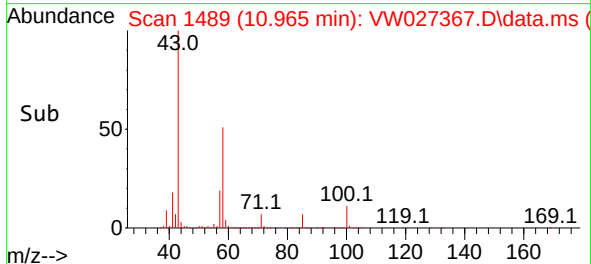


#48
2-Hexanone
Concen: 66.894 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Instrument :
MSVOA_W
ClientSampleId :

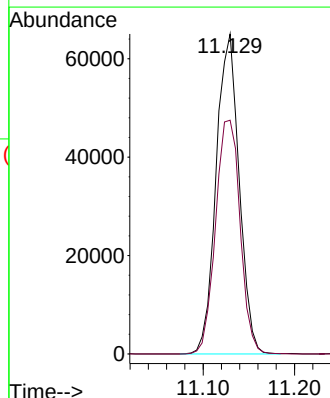
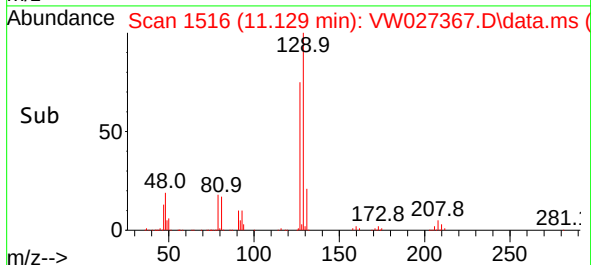
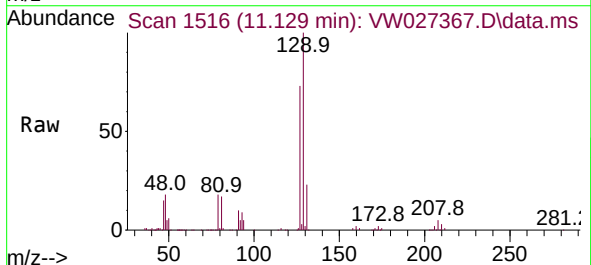


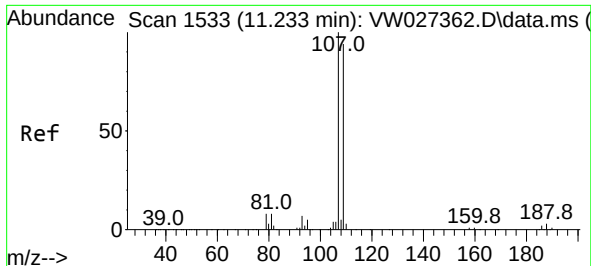
Tgt Ion: 43 Resp: 197282
Ion Ratio Lower Upper
43 100
58 50.7 42.2 63.4
57 17.6 15.1 22.7
100 10.5 9.0 13.4



#49
Dibromochloromethane
Concen: 25.693 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion: 129 Resp: 113766
Ion Ratio Lower Upper
129 100
127 73.1 51.7 95.9





#50

1,2-Dibromoethane

Concen: 27.025 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

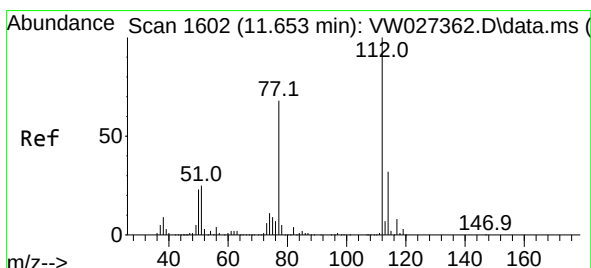
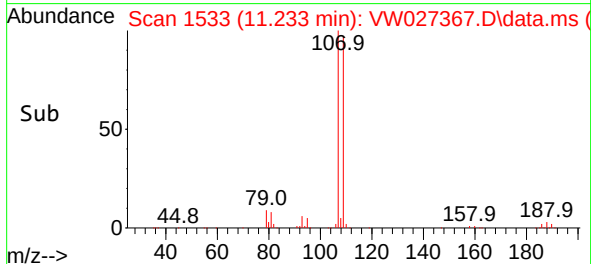
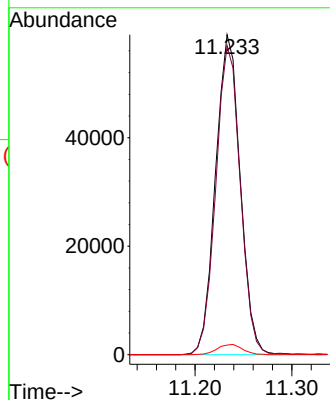
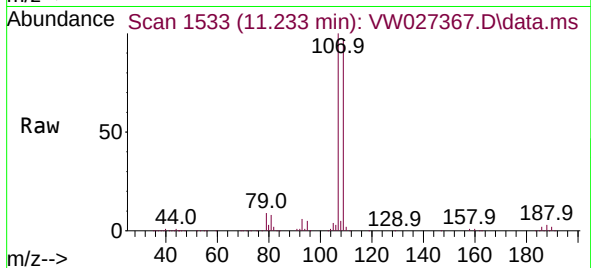
Tgt Ion:107 Resp: 104468

Ion Ratio Lower Upper

107 100

109 96.5 66.3 123.1

188 3.0 3.0 4.4



#51

Chlorobenzene

Concen: 22.577 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

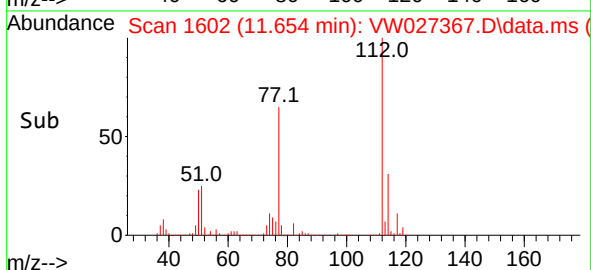
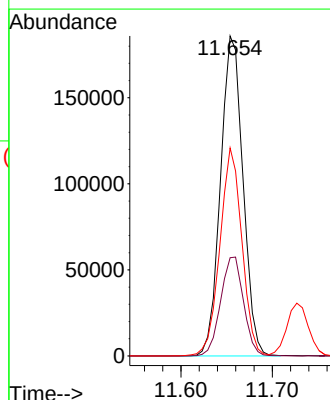
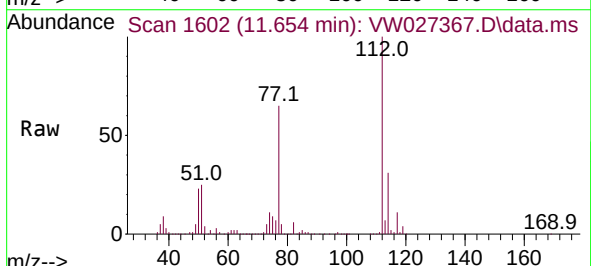
Tgt Ion:112 Resp: 317809

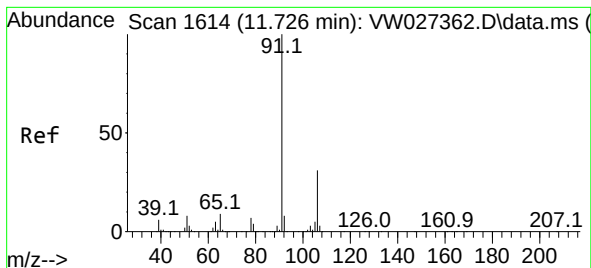
Ion Ratio Lower Upper

112 100

114 30.7 21.8 40.6

77 65.0 52.2 78.4

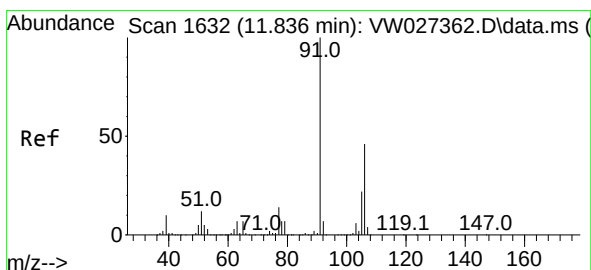
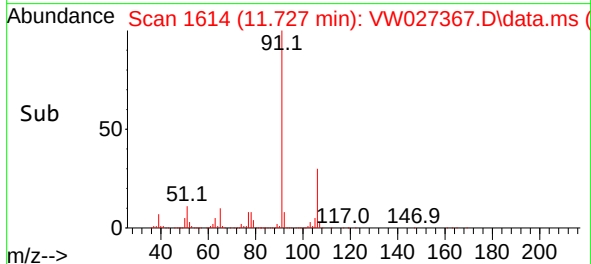
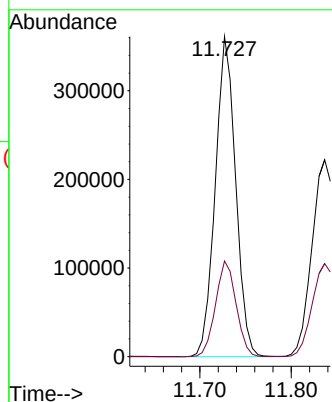
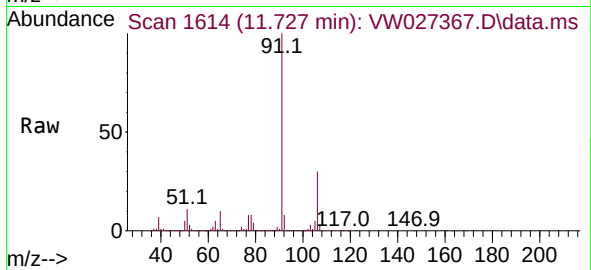




#52
Ethylbenzene
Concen: 21.409 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

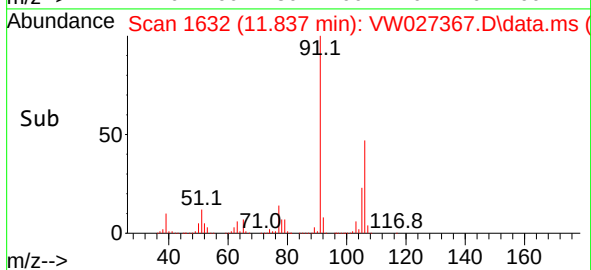
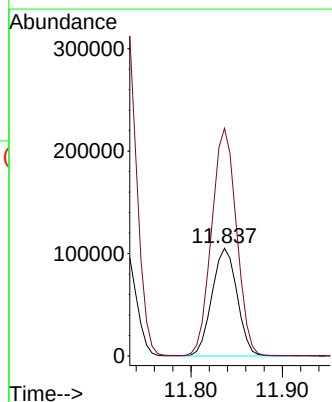
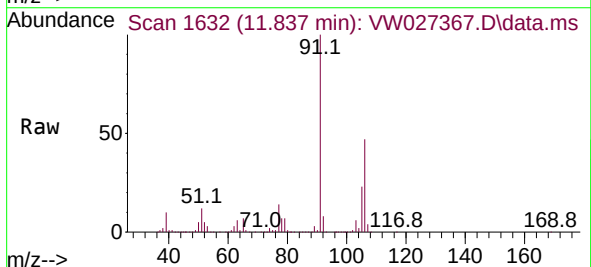
Instrument :
MSVOA_W
ClientSampleId :

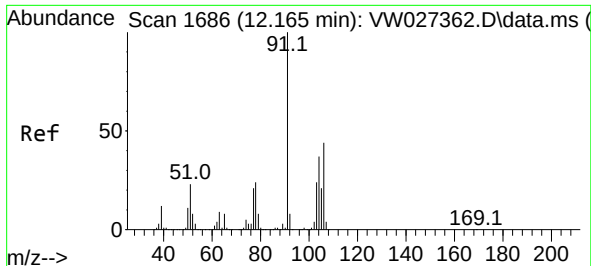
Tgt Ion: 91 Resp: 559233
Ion Ratio Lower Upper
91 100
106 29.9 19.8 36.8



#53
m,p-Xylene
Concen: 20.266 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion:106 Resp: 200792
Ion Ratio Lower Upper
106 100
91 211.4 144.5 268.4

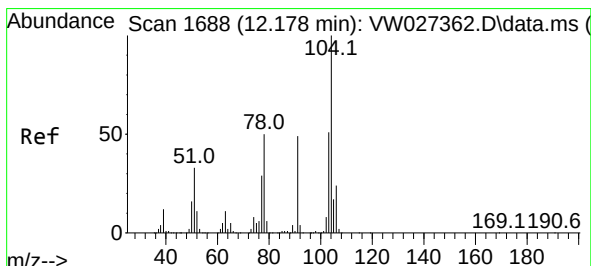
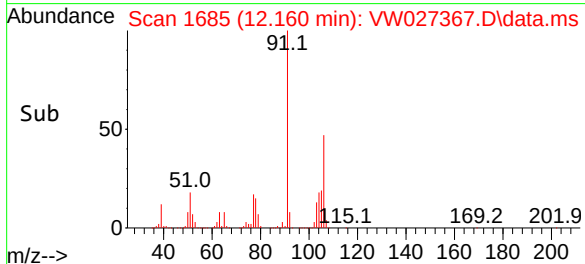
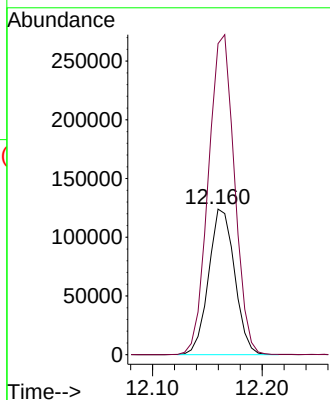
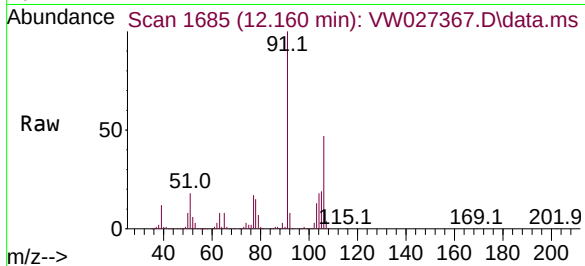




#54
o-Xylene
Concen: 21.512 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

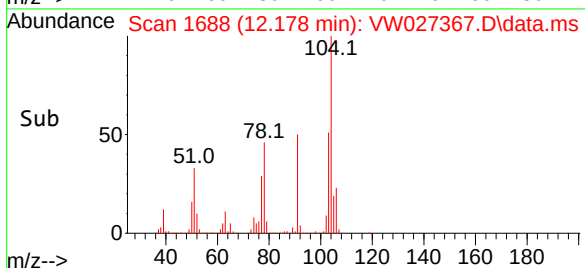
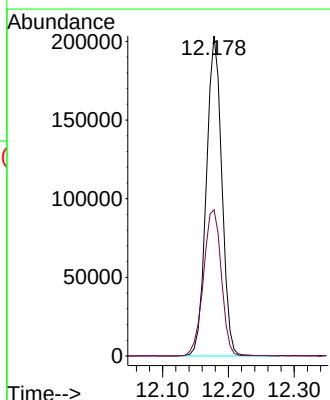
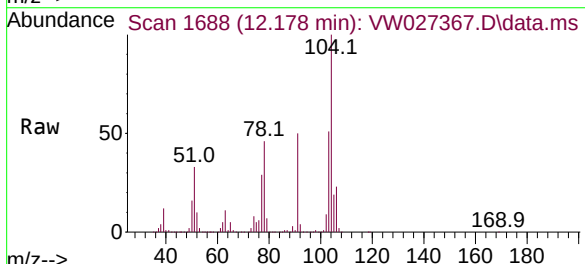
Instrument :
MSVOA_W
ClientSampleId :

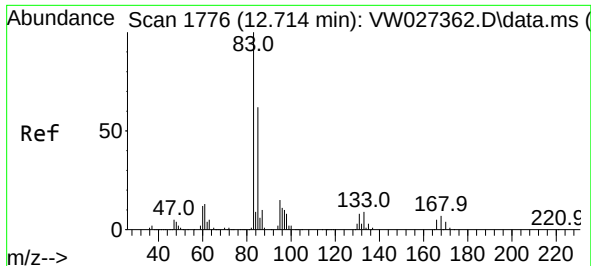
Tgt Ion:106 Resp: 204099
Ion Ratio Lower Upper
106 100
91 213.6 152.0 282.2



#55
Styrene
Concen: 20.553 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion:104 Resp: 333031
Ion Ratio Lower Upper
104 100
78 45.7 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 27.351 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

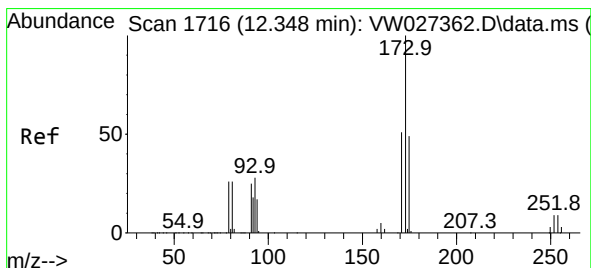
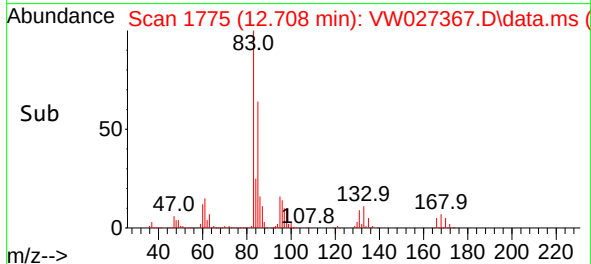
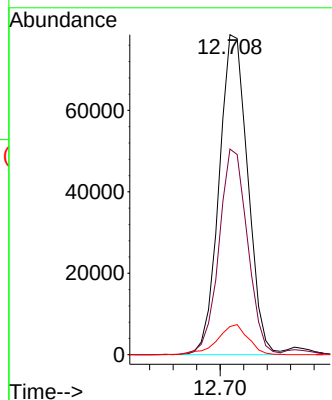
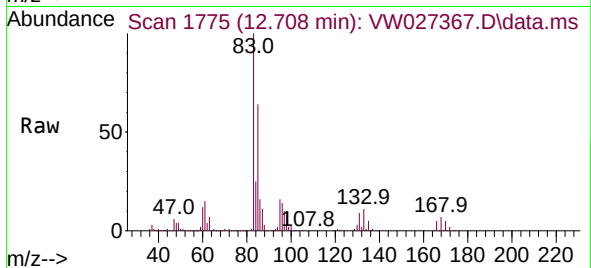
Tgt Ion: 83 Resp: 133122

Ion Ratio Lower Upper

83 100

85 64.3 43.2 80.2

131 8.8 7.2 10.8



#59

Bromoform

Concen: 36.014 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

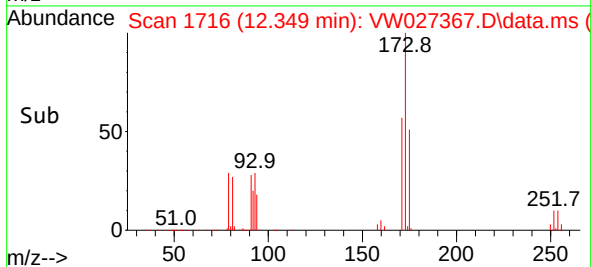
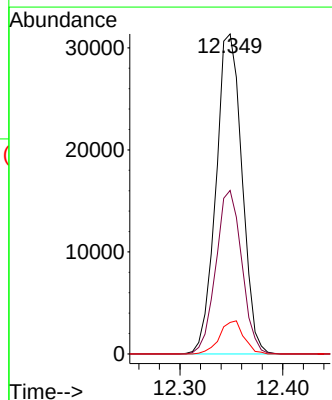
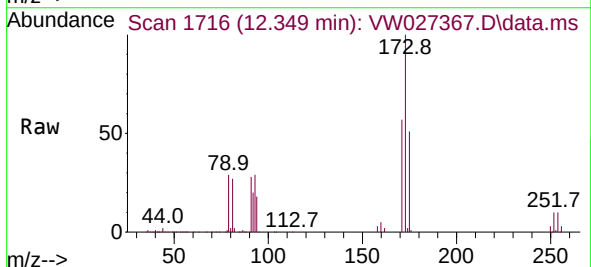
Tgt Ion:173 Resp: 55093

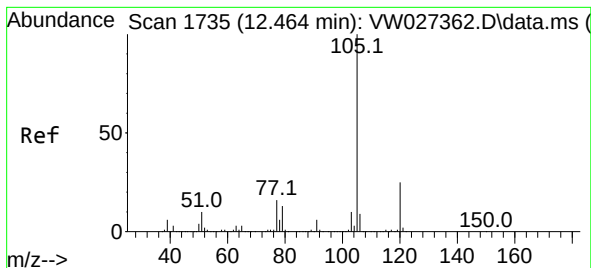
Ion Ratio Lower Upper

173 100

175 51.0 39.6 59.4

254 9.6 6.6 10.0





#60

Isopropylbenzene

Concen: 28.146 ug/L

RT: 12.458 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

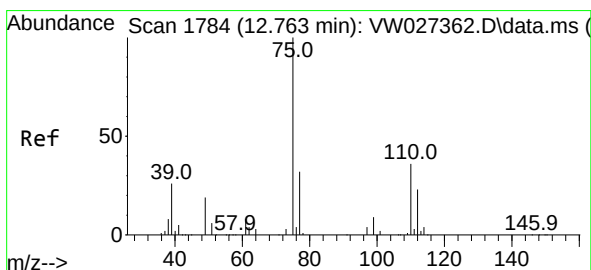
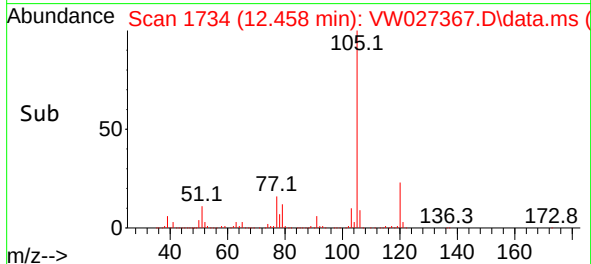
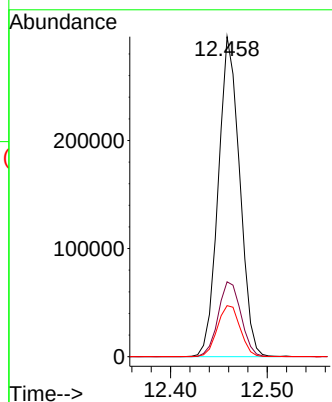
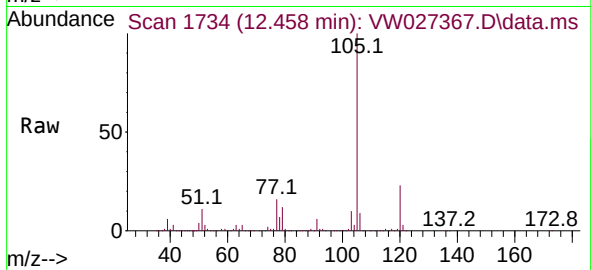
Tgt Ion:105 Resp: 454558

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

77 16.9 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 46.670 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

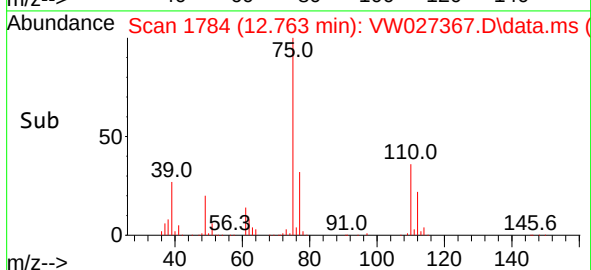
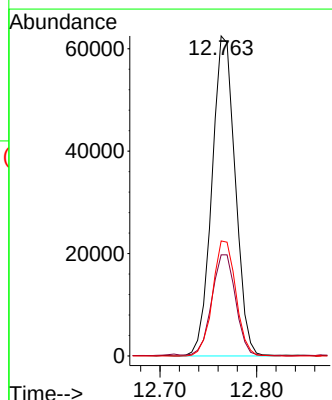
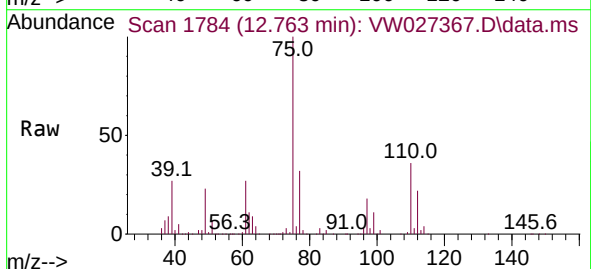
Tgt Ion: 75 Resp: 104762

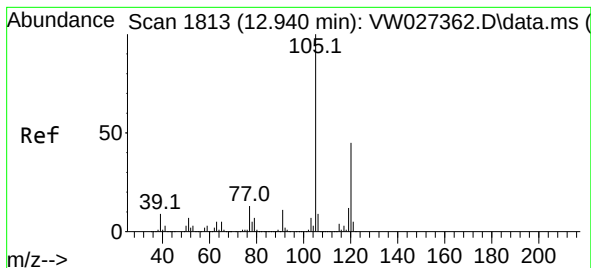
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

110 35.6 29.7 44.5





#62

1,3,5-Trimethylbenzene

Concen: 25.180 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

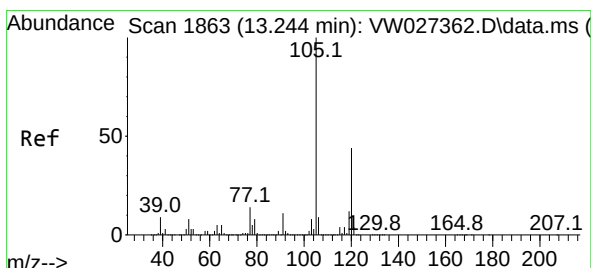
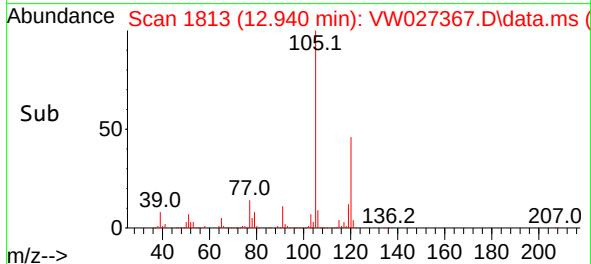
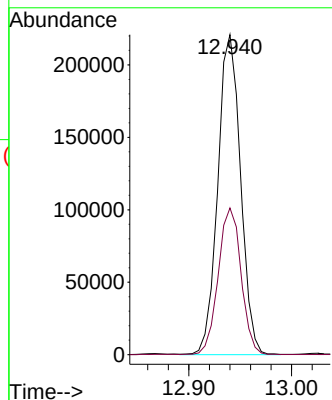
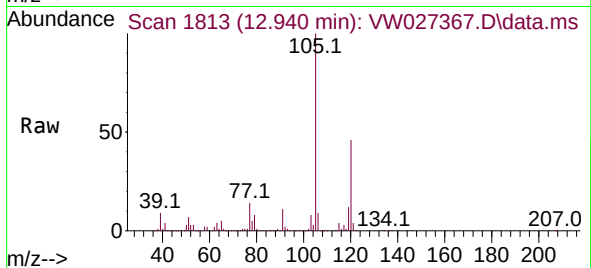
ClientSampleId :

Tgt Ion:105 Resp: 339204

Ion Ratio Lower Upper

105 100

120 45.8 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 24.389 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW027367.D

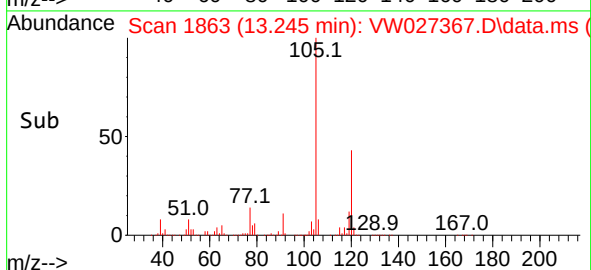
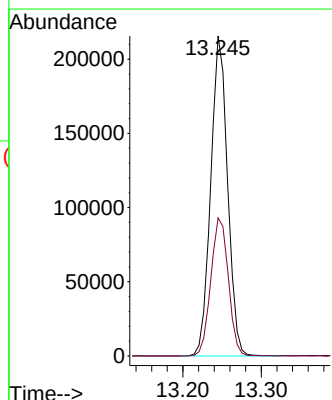
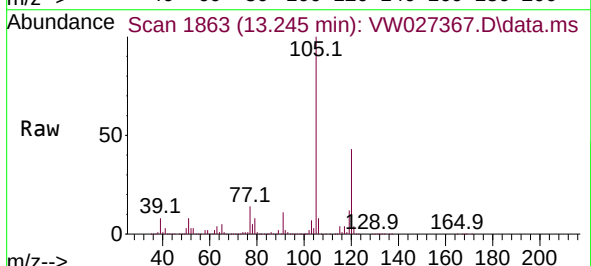
Acq: 20 Oct 2023 12:33

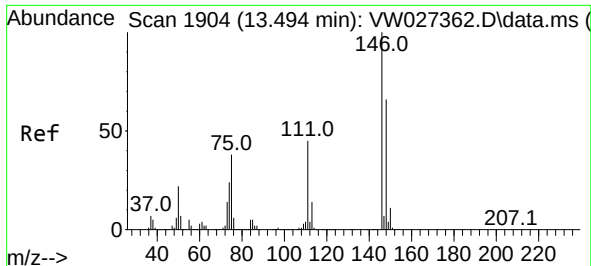
Tgt Ion:105 Resp: 321467

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.2

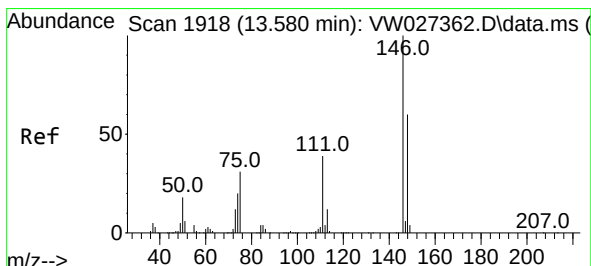
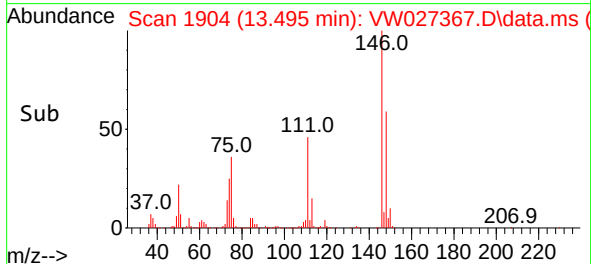
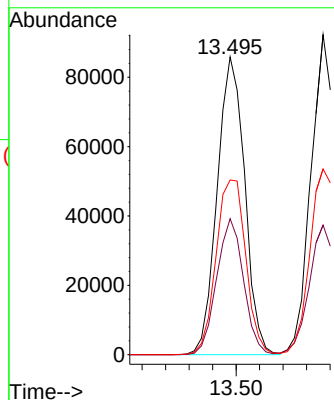
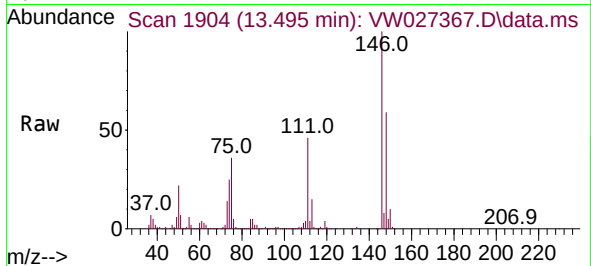




#64
1,3-Dichlorobenzene
Concen: 21.359 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

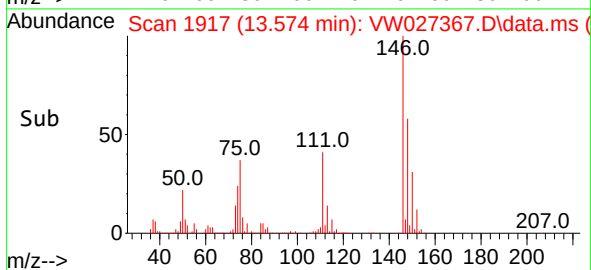
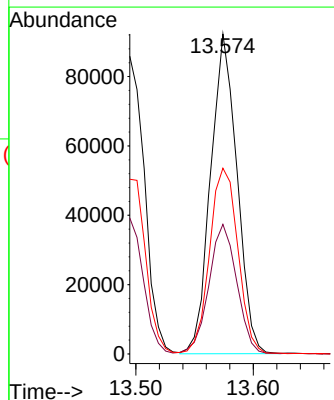
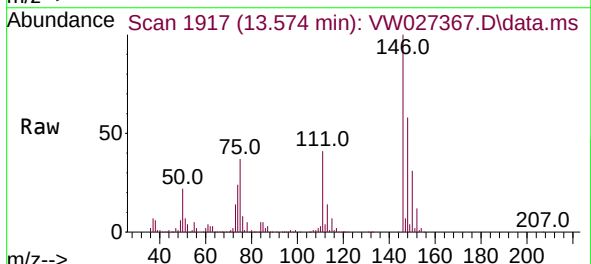
Instrument :
MSVOA_W
ClientSampleId :

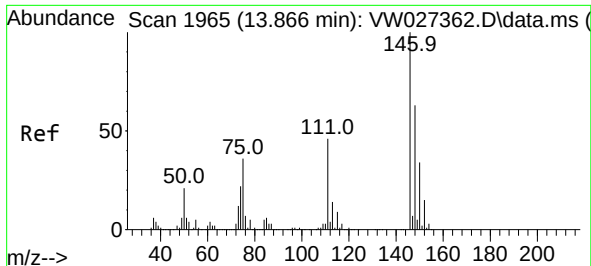
Tgt Ion:146 Resp: 139882
Ion Ratio Lower Upper
146 100
111 45.7 30.8 57.2
148 58.7 46.3 85.9



#65
1,4-Dichlorobenzene
Concen: 22.041 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.006 min
Lab File: VW027367.D
Acq: 20 Oct 2023 12:33

Tgt Ion:146 Resp: 144153
Ion Ratio Lower Upper
146 100
111 40.5 29.5 54.9
148 58.1 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 23.479 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

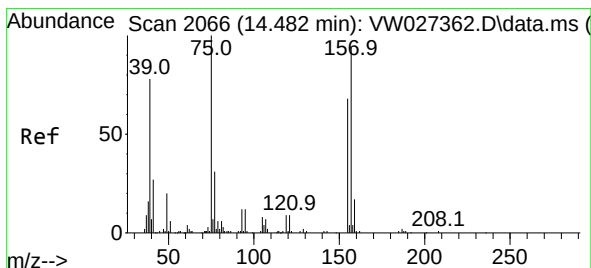
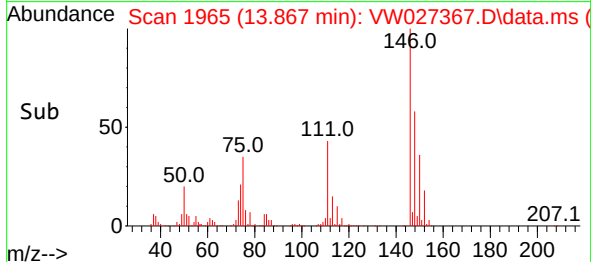
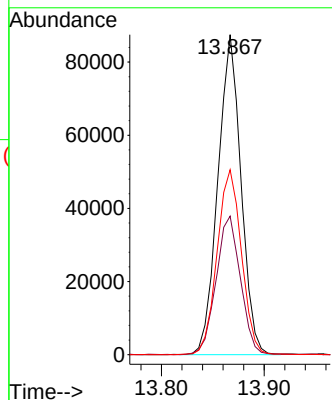
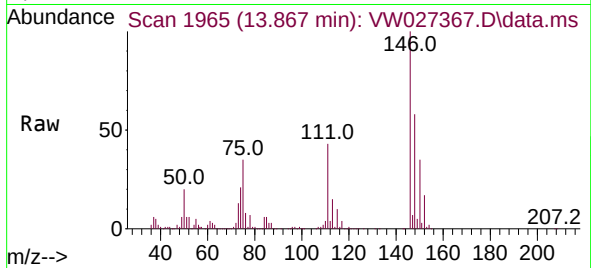
Tgt Ion:146 Resp: 136446

Ion Ratio Lower Upper

146 100

111 43.3 36.8 55.2

148 57.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 34.630 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

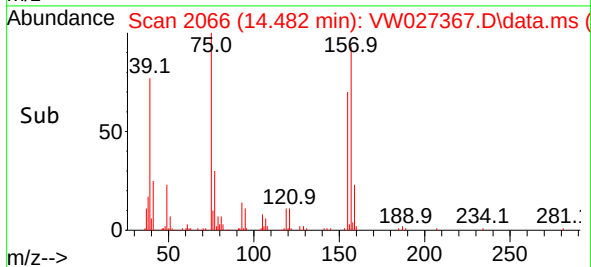
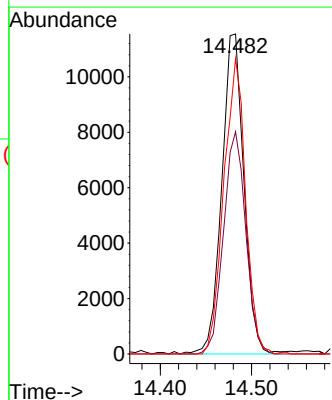
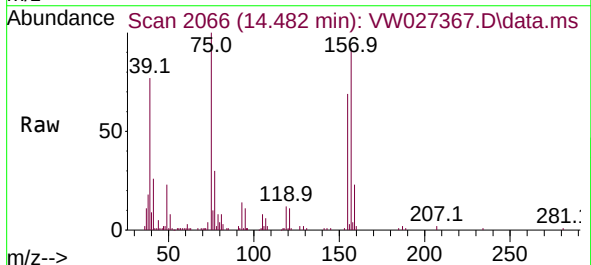
Tgt Ion: 75 Resp: 19428

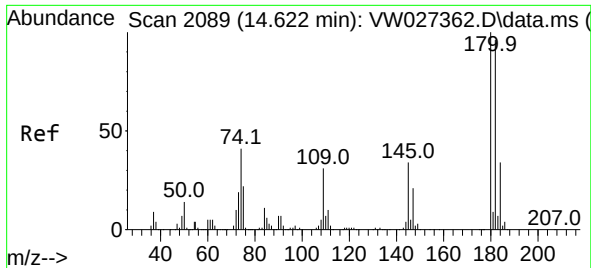
Ion Ratio Lower Upper

75 100

155 69.4 54.9 82.3

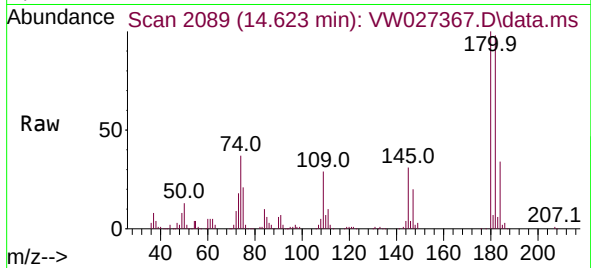
157 92.3 64.7 97.1



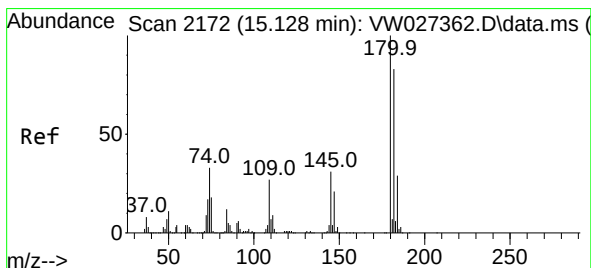
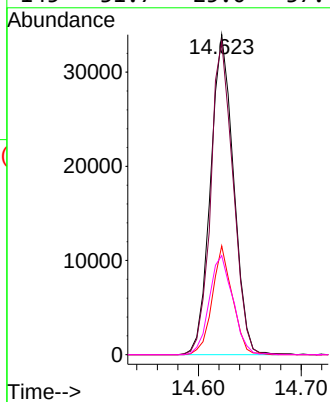
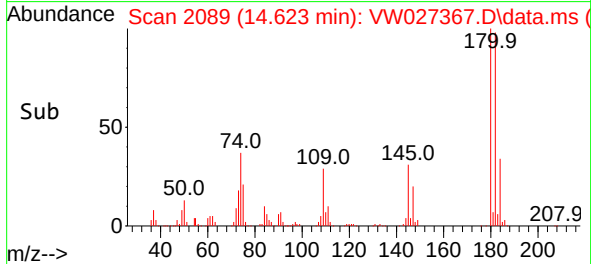


#69
 1,3,5-Trichlorobenzene
 Concen: 12.423 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Instrument :
 MSVOA_W
 ClientSampleId :

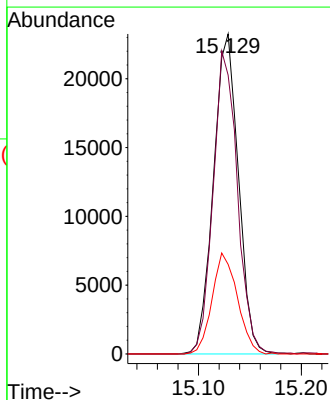
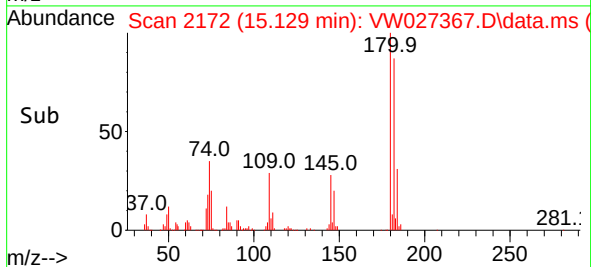
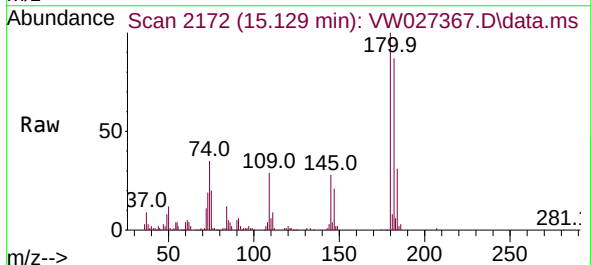


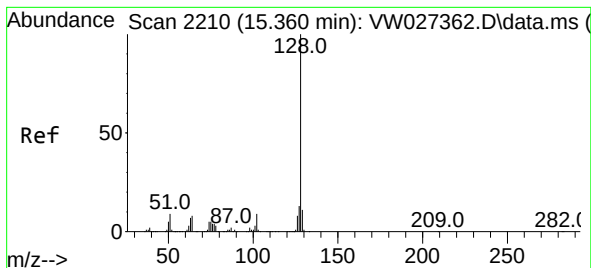
Tgt Ion:180 Resp: 52815
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.4 110.0
 184 29.6 23.3 34.9
 145 31.7 25.0 37.4



#70
 1,2,4-trichlorobenzene
 Concen: 10.820 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.000 min
 Lab File: VW027367.D
 Acq: 20 Oct 2023 12:33

Tgt Ion:180 Resp: 39154
 Ion Ratio Lower Upper
 180 100
 182 92.2 75.5 113.3
 145 32.0 26.4 39.6





#71

Naphthalene

Concen: 17.826 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

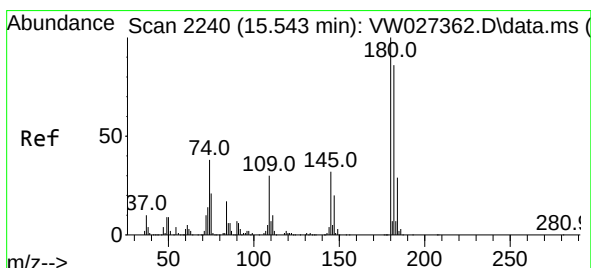
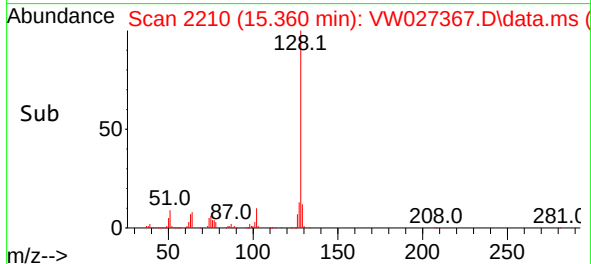
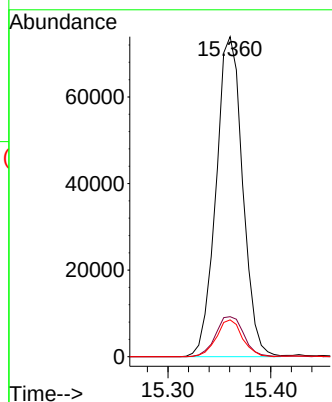
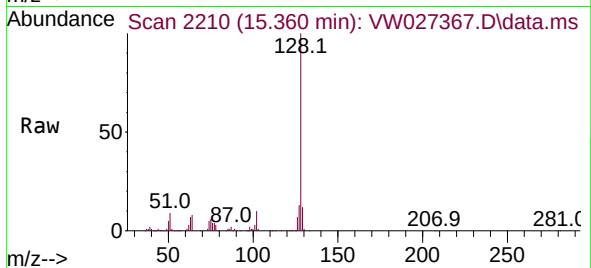
Tgt Ion:128 Resp: 132647

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 11.2 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 10.506 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW027367.D

Acq: 20 Oct 2023 12:33

Tgt Ion:180 Resp: 31260

Ion Ratio Lower Upper

180 100

182 94.8 81.1 121.7

145 35.2 30.6 45.8

