

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121223\
 Data File : VW027592.D
 Acq On : 12 Dec 2023 14:22
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 13 04:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 13 04:25:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	218902	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	193466	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	95934	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	86929	19.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
7) Chloroethane-d5	2.899	69	68793	21.543	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.160%
11) 1,1-Dichloroethene-d2	4.033	65	39817	21.362	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.440%
21) 2-Butanone-d5	7.081	46	43725	37.880	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.760%
24) Chloroform-d	7.654	84	152283	23.306	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.240%
26) 1,2-Dichloroethane-d4	8.307	65	72140	21.590	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.360%
32) Benzene-d6	8.282	84	305781	22.441	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.760%
36) 1,2-Dichloropropane-d6	9.276	67	91575	22.797	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.200%
41) Toluene-d8	10.325	98	265991	22.311	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	10.581	79	31696	20.404	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.600%
47) 2-Hexanone-d5	10.922	63	28678	38.316	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.640%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	67682	20.484	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.920%
66) 1,2-Dichlorobenzene-d4	13.848	152	75586	22.477	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	68774	23.465	ug/L	97
3) Chloromethane	2.229	50	81344	22.661	ug/L	98
5) Vinyl chloride	2.375	62	100313	23.957	ug/L	99
6) Bromomethane	2.796	94	51742	23.546	ug/L	99
8) Chloroethane	2.942	64	58160	24.319	ug/L	96
9) Trichlorofluoromethane	3.283	101	103158	25.723	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	91958	26.891	ug/L	96
12) 1,1-Dichloroethene	4.051	96	77247	24.740	ug/L	92
13) Acetone	4.125	43	40614	36.498	ug/L	99
14) Carbon disulfide	4.393	76	205966	21.829	ug/L	97
15) Methyl Acetate	4.679	43	34002	17.484	ug/L	98
16) Methylene chloride	4.923	84	74995	21.009	ug/L	95
17) trans-1,2-Dichloroethene	5.441	96	77315	24.015	ug/L	93
18) Methyl tert-butyl Ether	5.435	73	119789	23.067	ug/L #	88
19) 1,1-Dichloroethane	6.228	63	160080	24.450	ug/L	98
20) cis-1,2-Dichloroethene	7.179	96	81469	23.563	ug/L	98
22) 2-Butanone	7.173	43	47276	32.932	ug/L	98
23) Bromochloromethane	7.520	128	30199	22.207	ug/L	96
25) Chloroform	7.685	83	148400	24.963	ug/L	90

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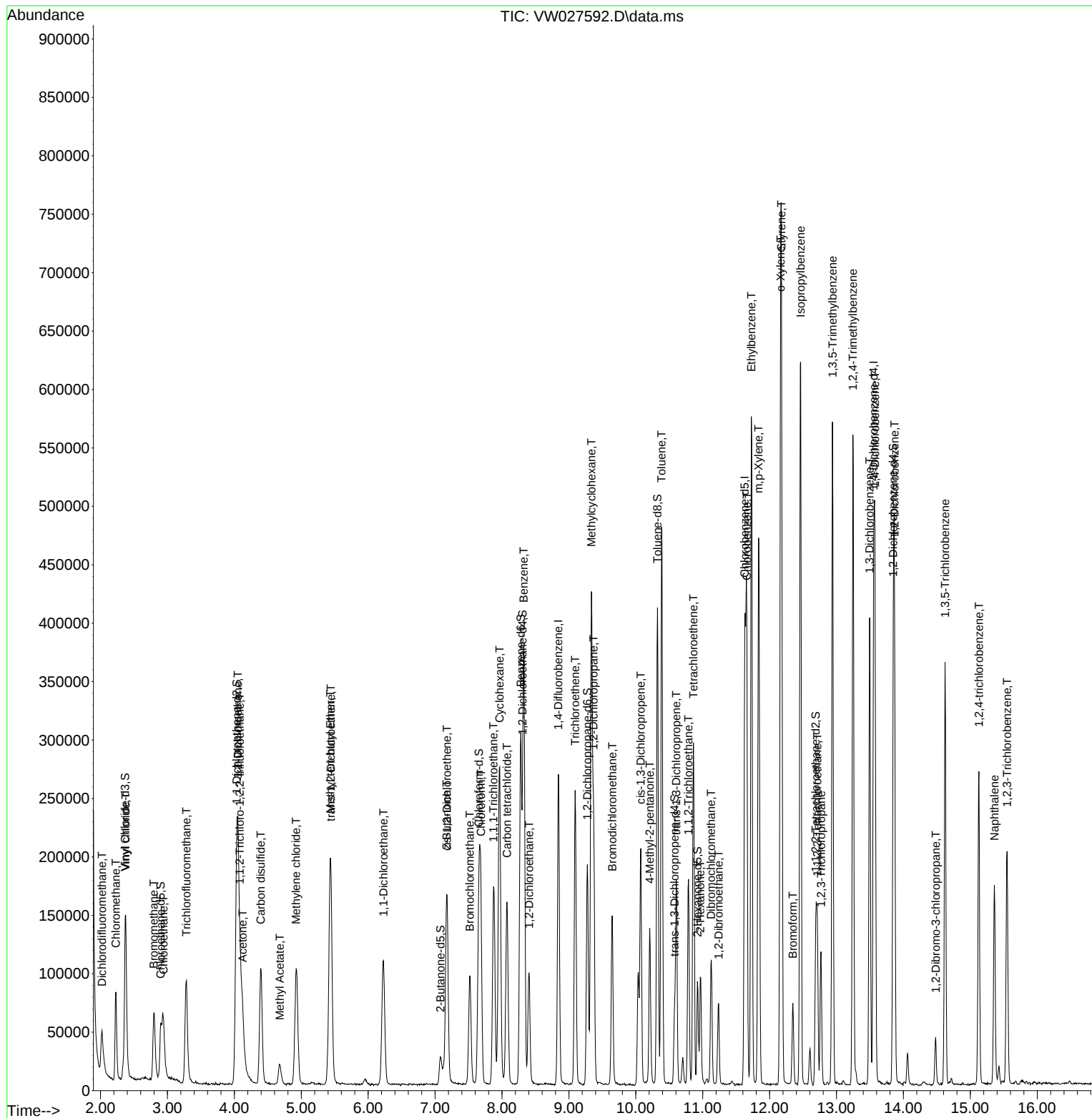
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	87025	22.649	ug/L	99
29) Cyclohexane	7.965	56	159988	25.154	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	138994	25.755	ug/L	100
31) Carbon tetrachloride	8.075	117	117309	24.921	ug/L	99
33) Benzene	8.325	78	329368	24.667	ug/L	100
34) Trichloroethene	9.093	95	88397	24.237	ug/L	96
35) Methylcyclohexane	9.337	83	164930	25.396	ug/L	100
37) 1,2-Dichloropropane	9.368	63	85343	24.208	ug/L	100
38) Bromodichloromethane	9.648	83	98252	24.107	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	118308	23.247	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	91876	38.554	ug/L	99
42) Toluene	10.386	91	347691	24.619	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	92923	22.634	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	54811	22.324	ug/L	96
46) Tetrachloroethene	10.861	164	61032	23.473	ug/L	94
48) 2-Hexanone	10.965	43	61042	36.346	ug/L	98
49) Dibromochloromethane	11.123	129	54406	22.417	ug/L	93
50) 1,2-Dibromoethane	11.239	107	47068	20.954	ug/L	99
51) Chlorobenzene	11.660	112	203881	23.929	ug/L	95
52) Ethylbenzene	11.727	91	402195	25.070	ug/L	94
53) m,p-Xylene	11.837	106	145970	24.693	ug/L	100
54) o-Xylene	12.166	106	134615	25.055	ug/L	95
55) Styrene	12.178	104	223112	24.330	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	67158	21.011	ug/L	95
59) Bromoform	12.349	173	29299	21.806	ug/L	99
60) Isopropylbenzene	12.465	105	404165	25.516	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	48150	20.809	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	296114	25.276	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	291905	25.018	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	148041	24.400	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	151153	24.977	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	132572	24.254	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.482	75	10498	18.862	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.623	180	100922	24.737	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	79033	24.946	ug/L	95
71) Naphthalene	15.360	128	139847	20.986	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	61698	22.733	ug/L	92

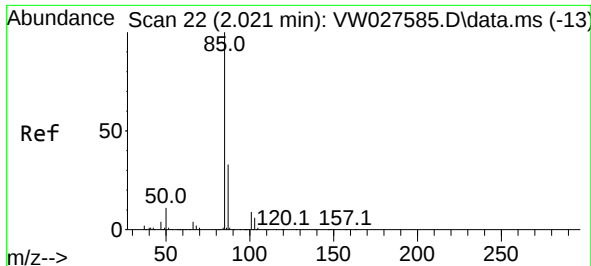
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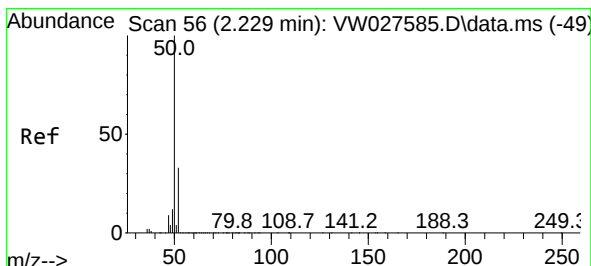
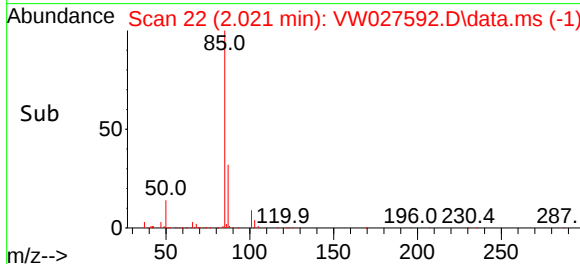
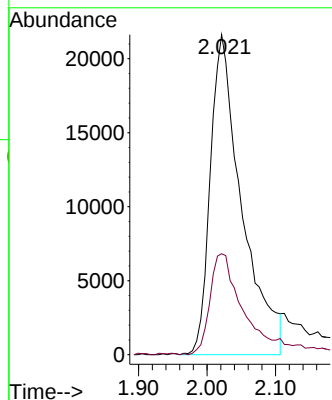
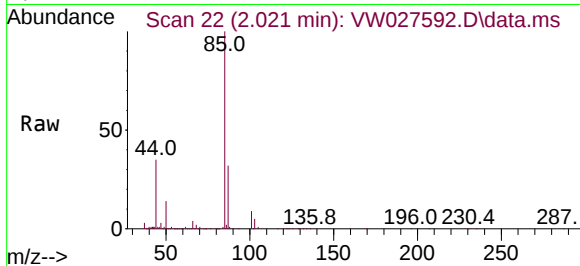




#2
 Dichlorodifluoromethane
 Concen: 23.465 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

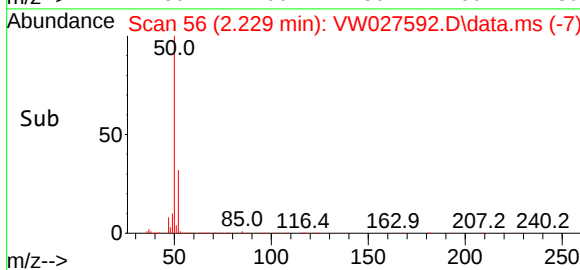
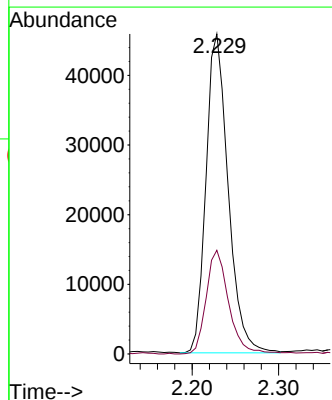
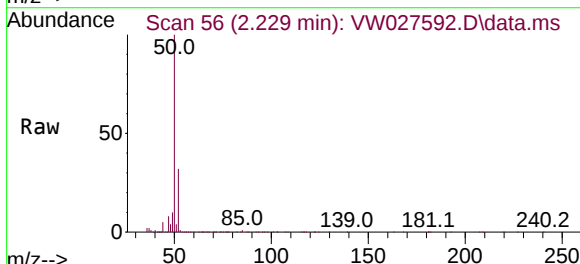
Instrument :
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 ClientSampleId :

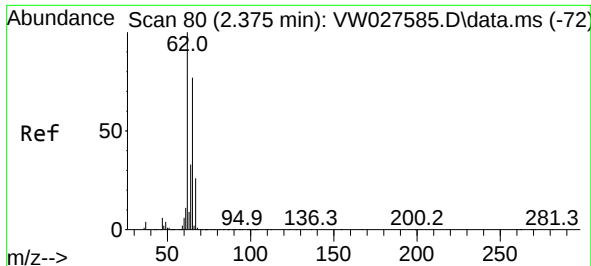
Tgt Ion: 85 Resp: 68774
 Ion Ratio Lower Upper
 85 100
 87 31.6 24.0 36.0



#3
 Chloromethane
 Concen: 22.661 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

Tgt Ion: 50 Resp: 81344
 Ion Ratio Lower Upper
 50 100
 52 32.4 21.8 40.6

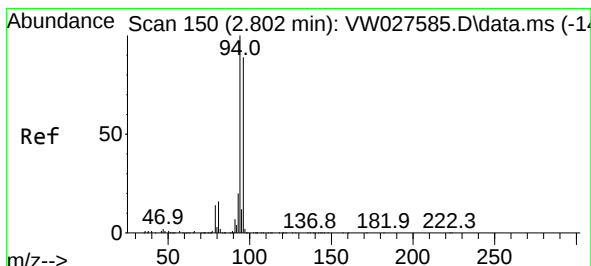
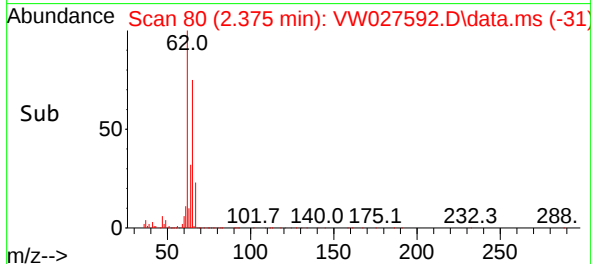
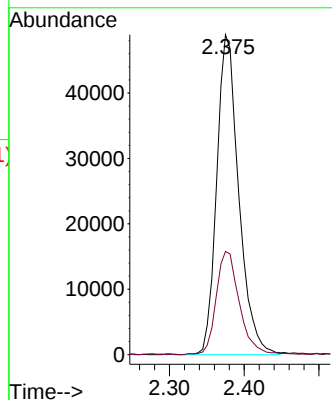
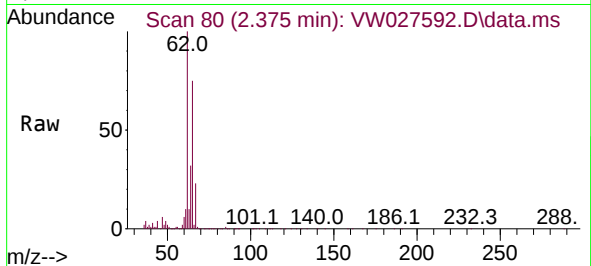




#5
 Vinyl chloride
 Concen: 23.957 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

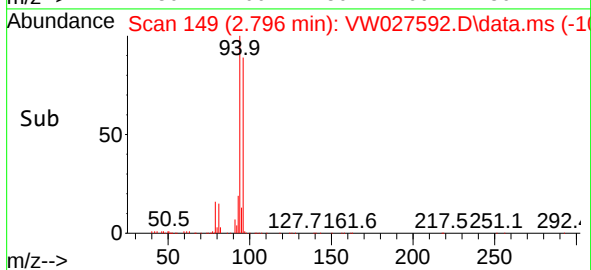
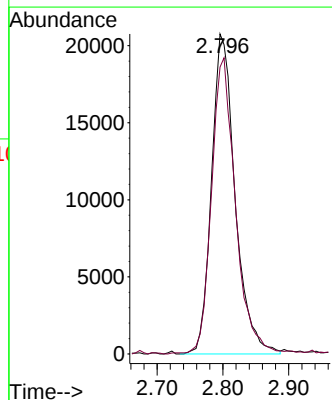
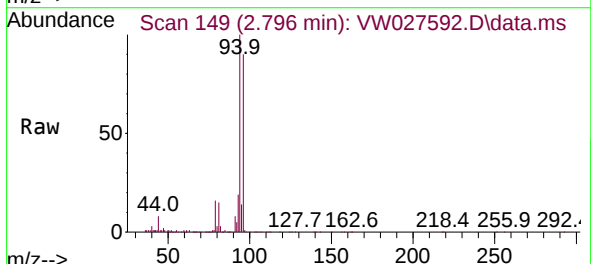
Instrument :
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 ClientSampleId :

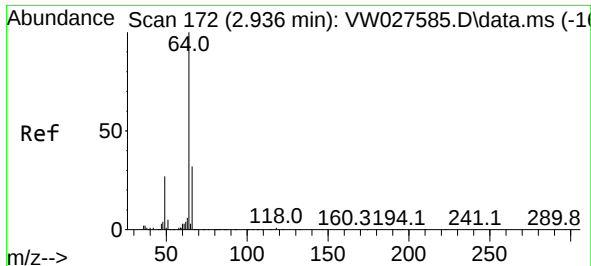
Tgt Ion: 62 Resp: 100313
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.2 41.2



#6
 Bromomethane
 Concen: 23.546 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. -0.006 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

Tgt Ion: 94 Resp: 51742
 Ion Ratio Lower Upper
 94 100
 96 89.6 63.3 117.7

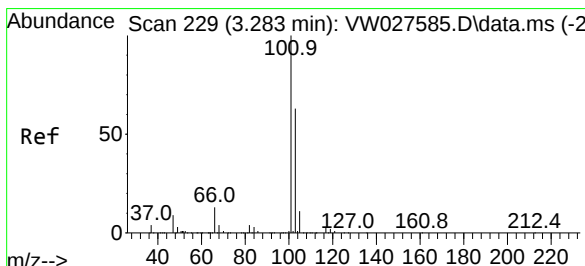
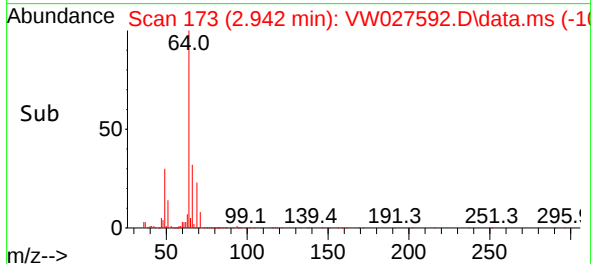
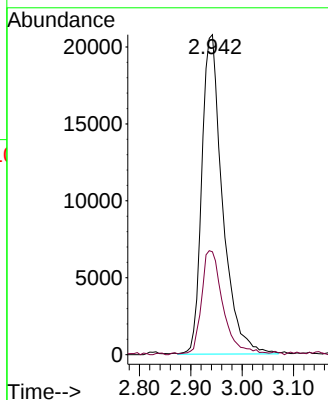
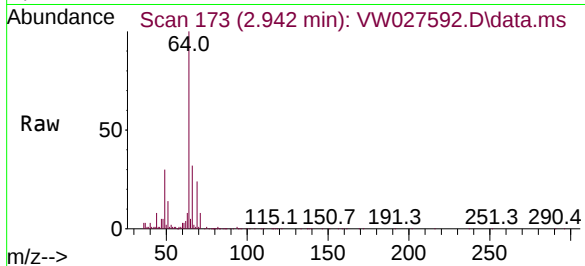




#8
Chloroethane
Concen: 24.319 ug/L
RT: 2.942 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

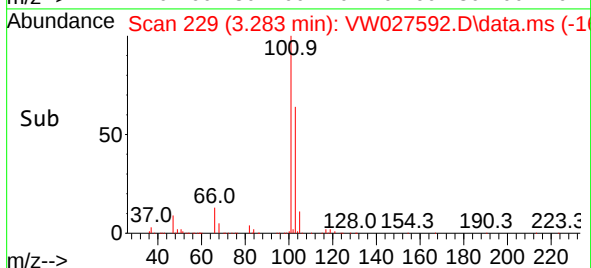
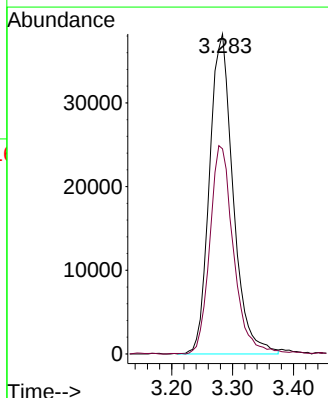
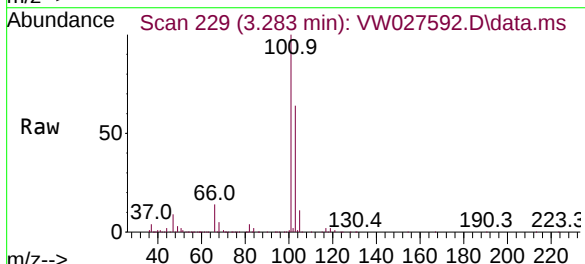
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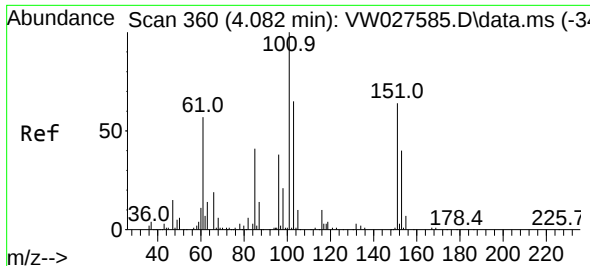
Tgt Ion: 64 Resp: 58160
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 25.723 ug/L
RT: 3.283 min Scan# 229
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 101 Resp: 103158
Ion Ratio Lower Upper
101 100
103 65.2 52.0 78.0

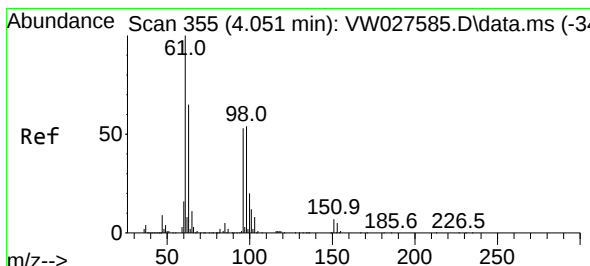
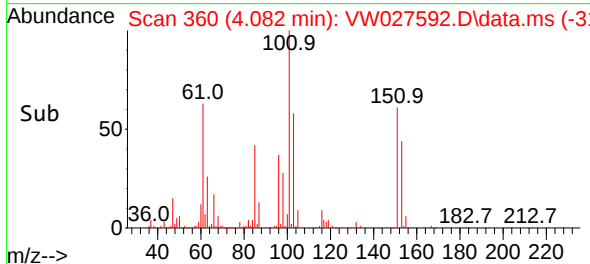
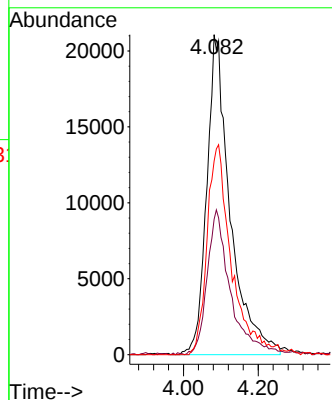
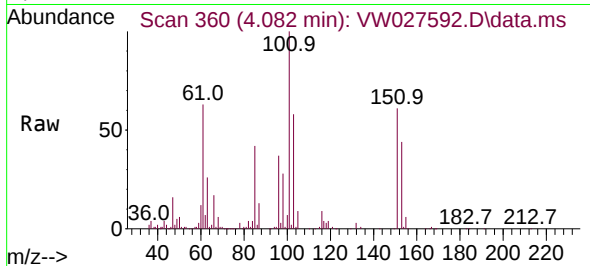




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.891 ug/L
 RT: 4.082 min Scan# 360
 Delta R.T. 0.000 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

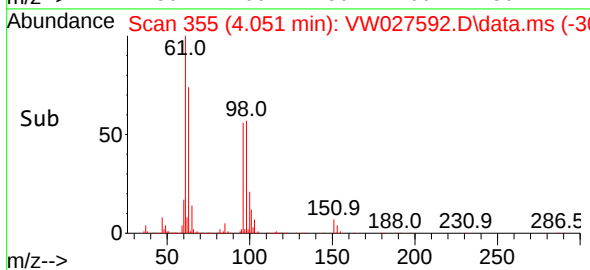
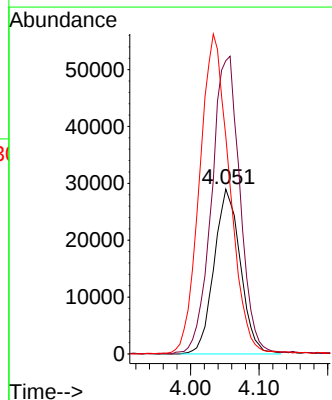
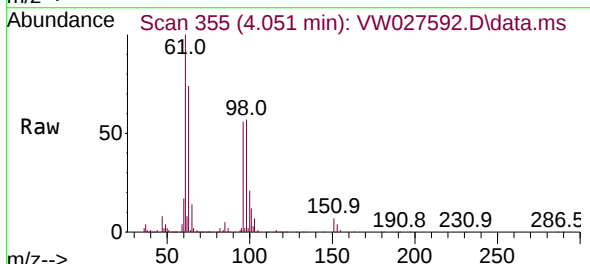
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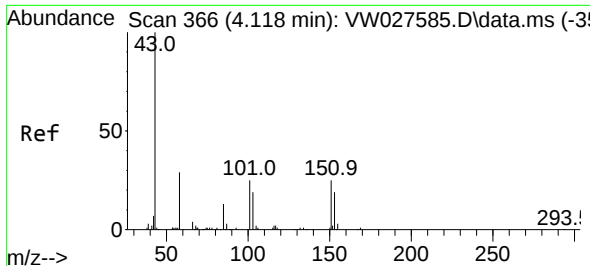
Tgt Ion:	101	Resp:	91958
Ion	Ratio	Lower	Upper
101	100		
85	43.6	33.9	50.9
151	63.4	54.6	81.8



#12
 1,1-Dichloroethene
 Concen: 24.740 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.000 min
 Lab File: VW027592.D
 Acq: 12 Dec 2023 14:22

Tgt Ion:	96	Resp:	77247
Ion	Ratio	Lower	Upper
96	100		
61	177.9	127.8	237.4
63	132.0	104.9	194.7





#13

Acetone

Concen: 36.498 ug/L

RT: 4.125 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

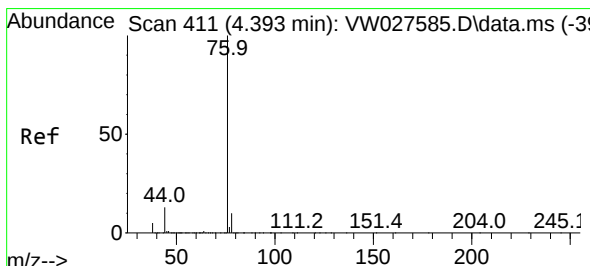
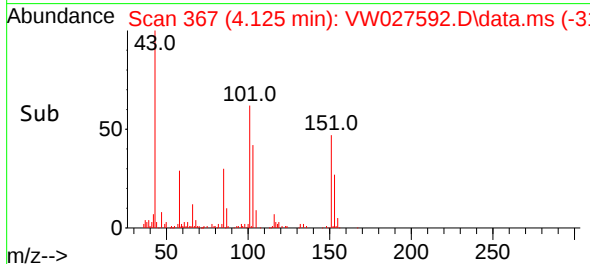
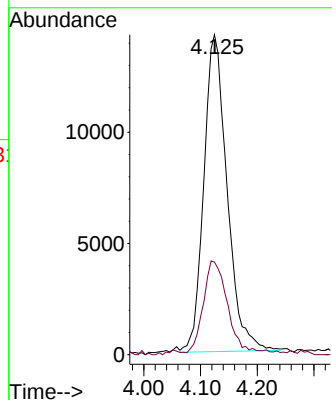
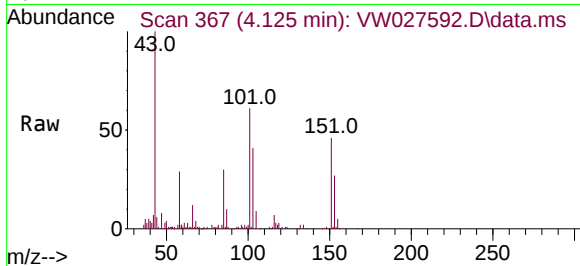
ClientSampleId :

Tgt Ion: 43 Resp: 40614

Ion Ratio Lower Upper

43 100

58 30.5 0.0 60.0



#14

Carbon disulfide

Concen: 21.829 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW027592.D

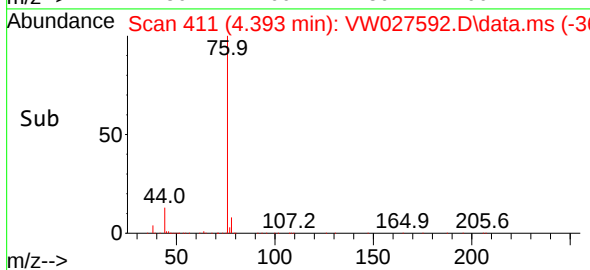
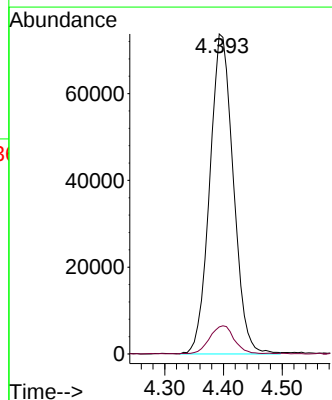
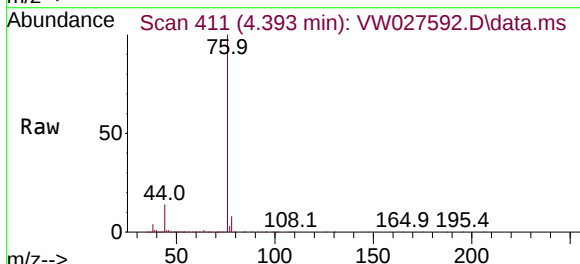
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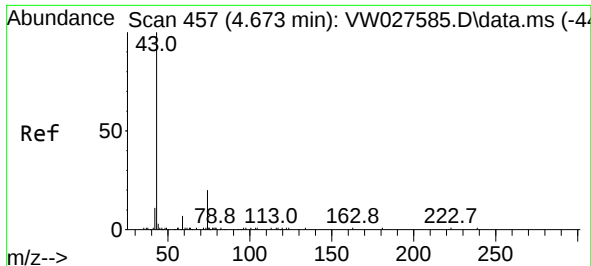
Tgt Ion: 76 Resp: 205966

Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.6

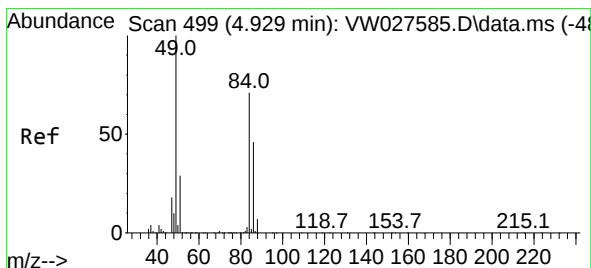
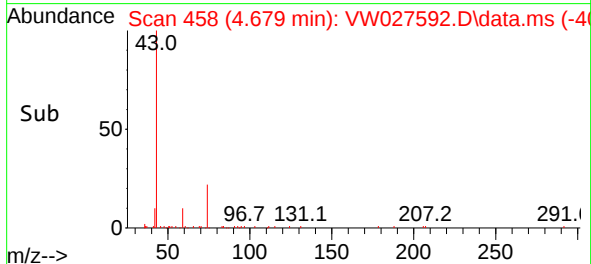
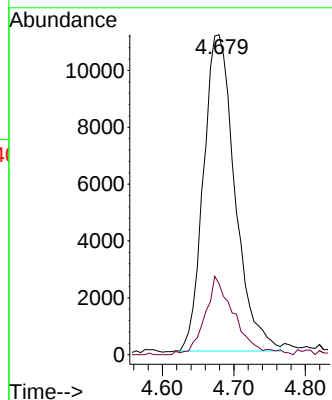
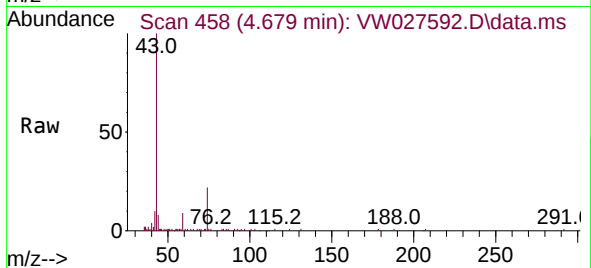




#15
Methyl Acetate
Concen: 17.484 ug/L
RT: 4.679 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

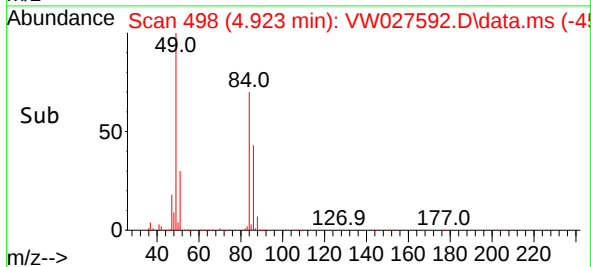
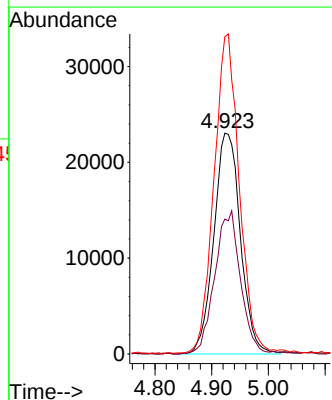
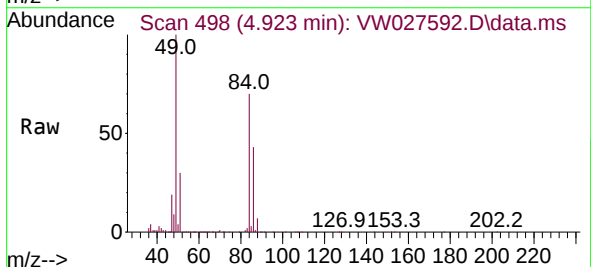
Instrument :
MSVOA_W
ClientSampleId :

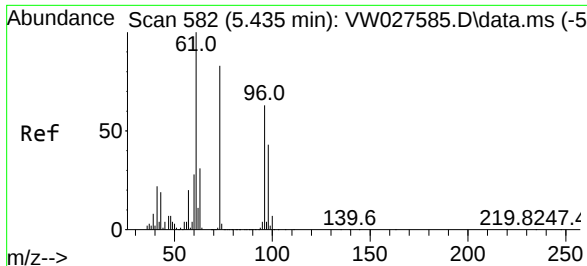
Tgt Ion: 43 Resp: 34002
Ion Ratio Lower Upper
43 100
74 22.1 16.8 25.2



#16
Methylene chloride
Concen: 21.009 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 84 Resp: 74995
Ion Ratio Lower Upper
84 100
86 61.1 47.7 88.7
49 143.8 97.4 181.0

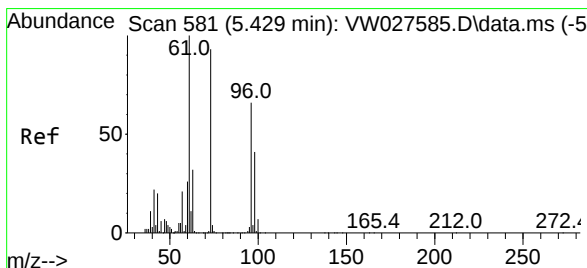
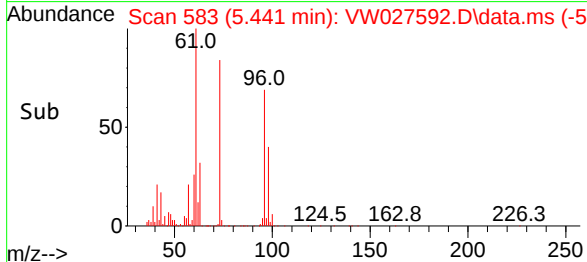
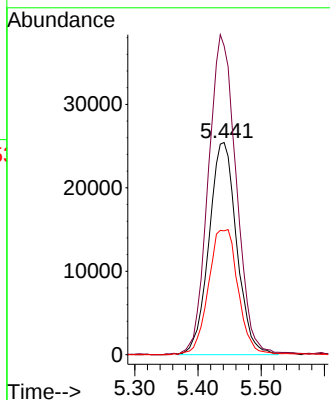
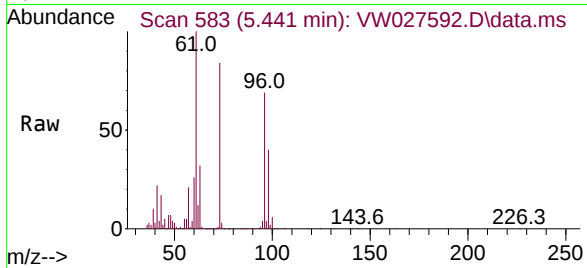




#17
trans-1,2-Dichloroethene
Concen: 24.015 ug/L
RT: 5.441 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

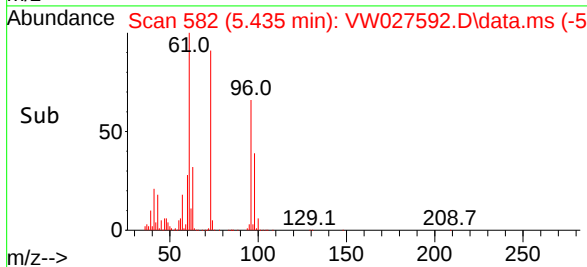
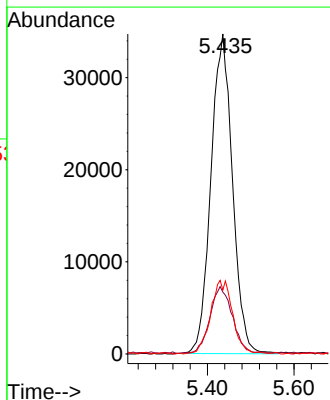
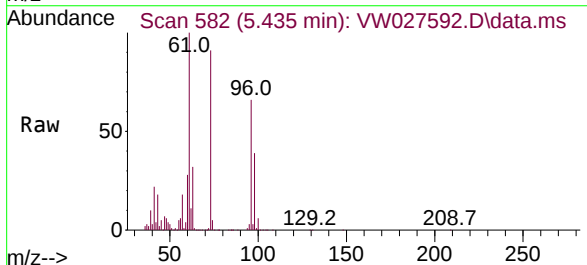
Instrument :
MSVOA_W
ClientSampleId :

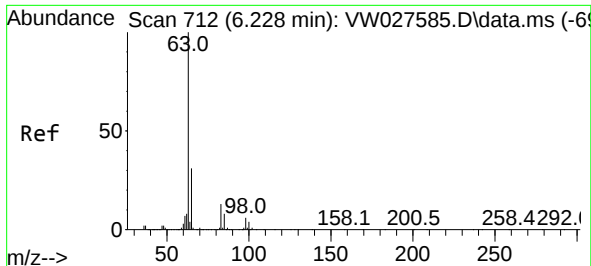
Tgt Ion: 96 Resp: 77315
Ion Ratio Lower Upper
96 100
61 145.6 109.6 203.6
98 58.4 41.9 77.7



#18
Methyl tert-butyl Ether
Concen: 23.067 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 73 Resp: 119789
Ion Ratio Lower Upper
73 100
43 21.7 17.8 26.6
57 13.8 19.9 29.9#





#19

1,1-Dichloroethane

Concen: 24.450 ug/L

RT: 6.228 min Scan# 712

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

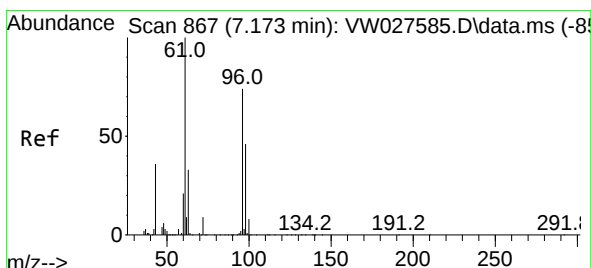
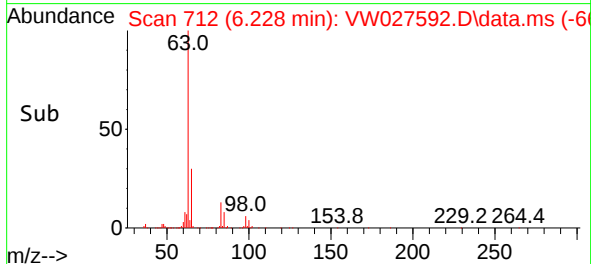
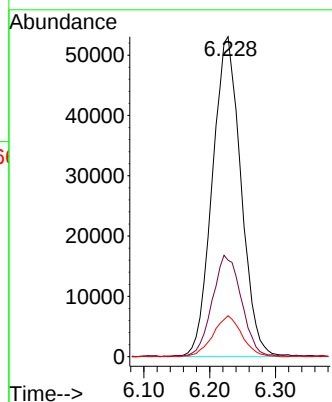
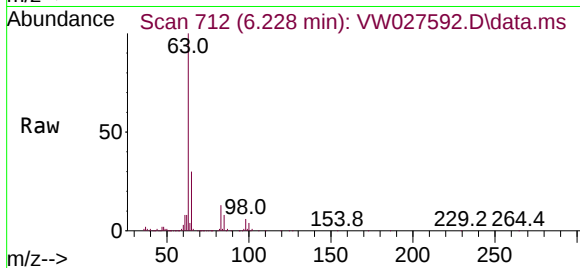
Tgt Ion: 63 Resp: 160080

Ion Ratio Lower Upper

63 100

65 30.1 22.0 40.8

83 12.8 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 23.563 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

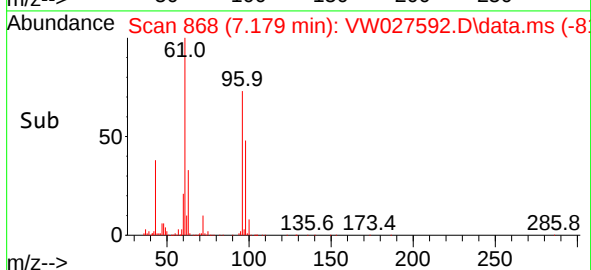
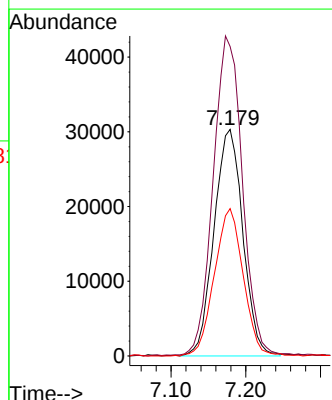
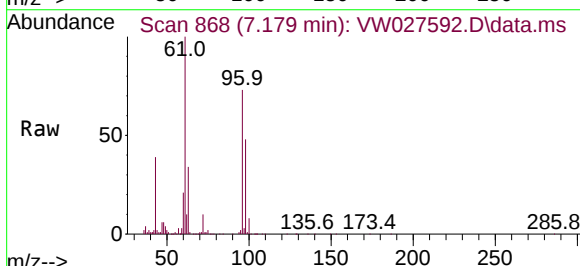
Tgt Ion: 96 Resp: 81469

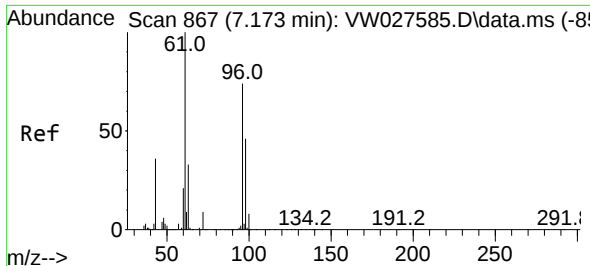
Ion Ratio Lower Upper

96 100

61 136.6 94.0 174.6

98 65.1 45.1 83.7

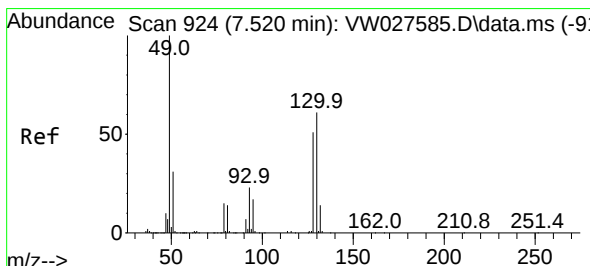
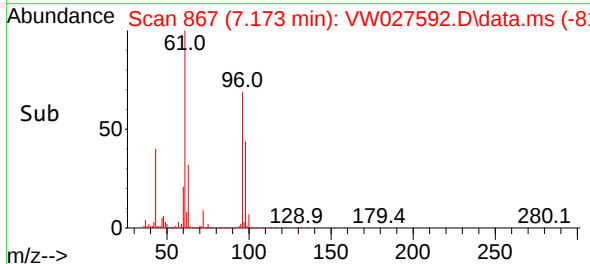
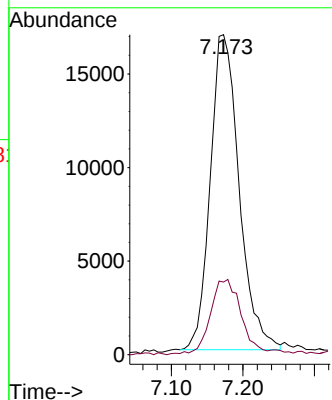
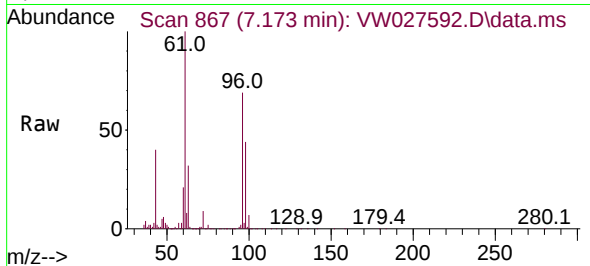




#22
2-Butanone
Concen: 32.932 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

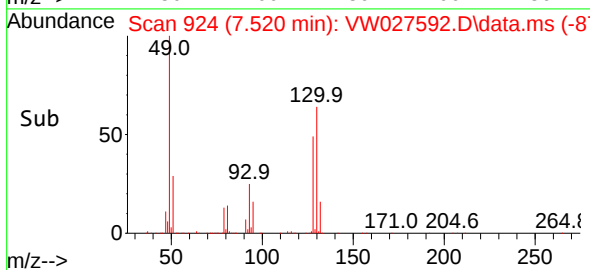
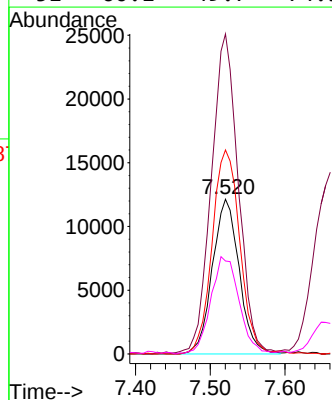
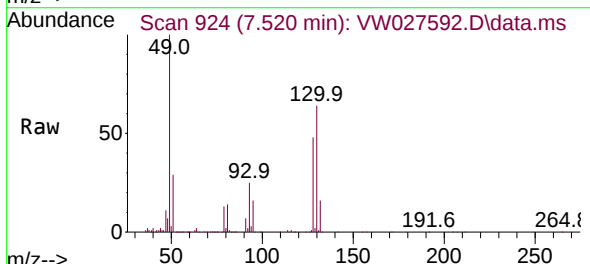
Instrument :
MSVOA_W
ClientSampleId :

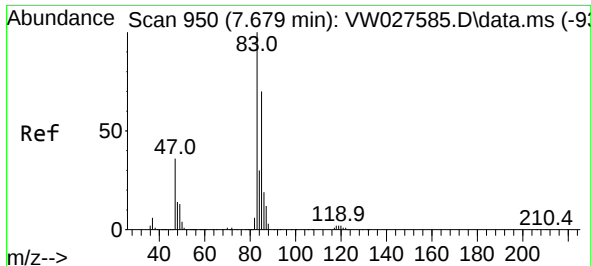
Tgt Ion: 43 Resp: 47276
Ion Ratio Lower Upper
43 100
72 24.8 11.9 35.9



#23
Bromochloromethane
Concen: 22.207 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 128 Resp: 30199
Ion Ratio Lower Upper
128 100
49 206.7 137.8 256.0
130 131.8 91.2 169.4
51 60.1 49.7 74.5

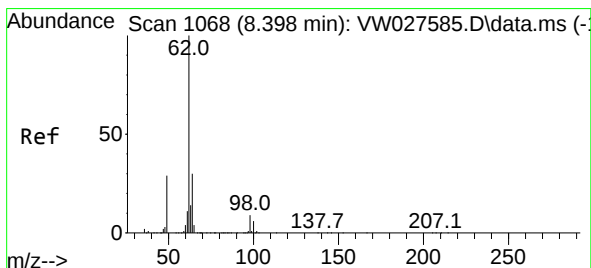
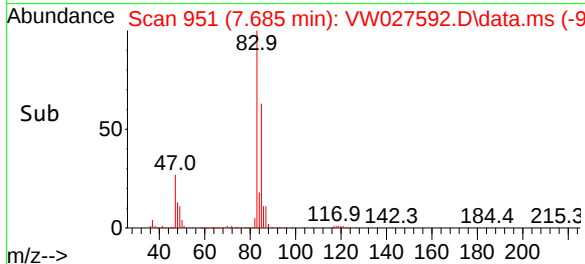
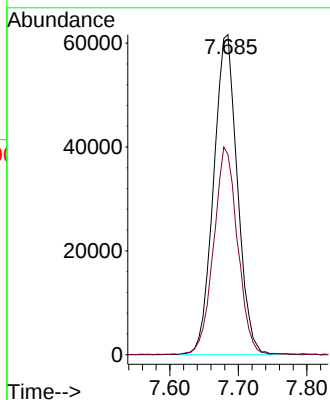
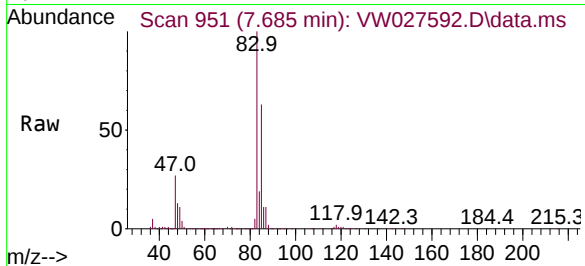




#25
Chloroform
Concen: 24.963 ug/L
RT: 7.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

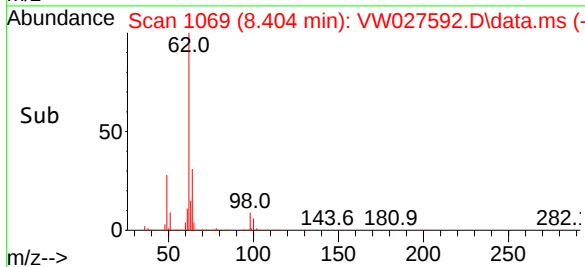
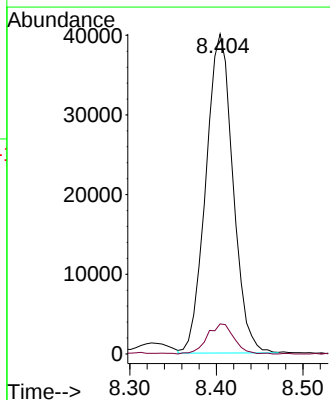
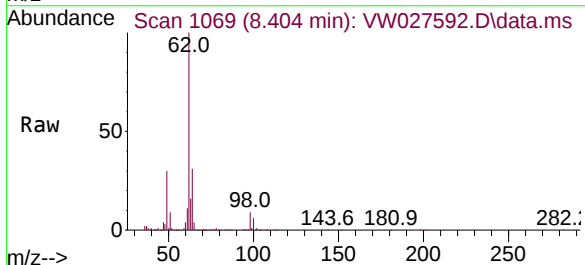
Instrument :
MSVOA_W
ClientSampleId :

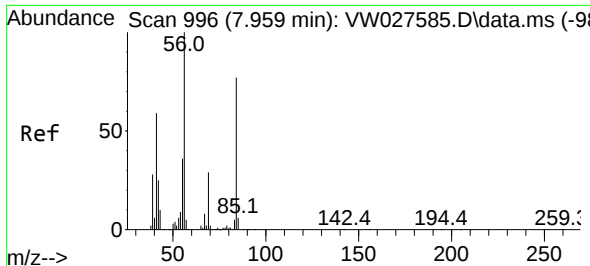
Tgt Ion: 83 Resp: 148400
Ion Ratio Lower Upper
83 100
85 62.5 49.8 92.6



#27
1,2-Dichloroethane
Concen: 22.649 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 62 Resp: 87025
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.0

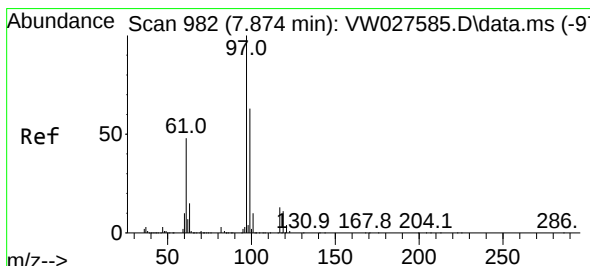
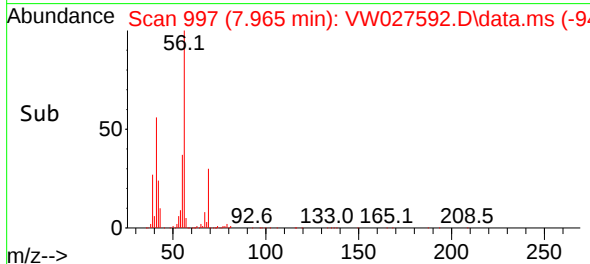
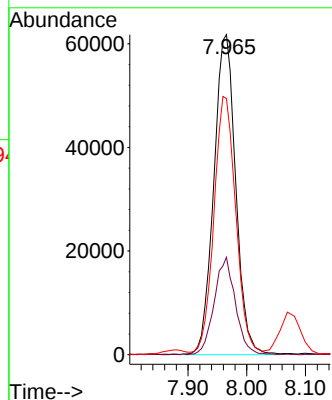
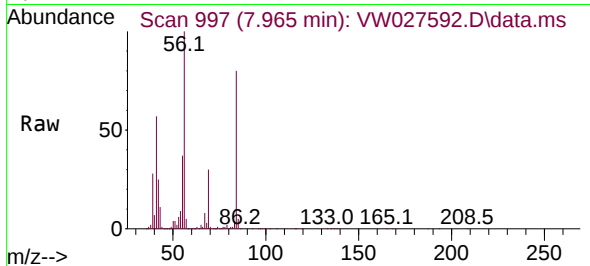




#29
Cyclohexane
Concen: 25.154 ug/L
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

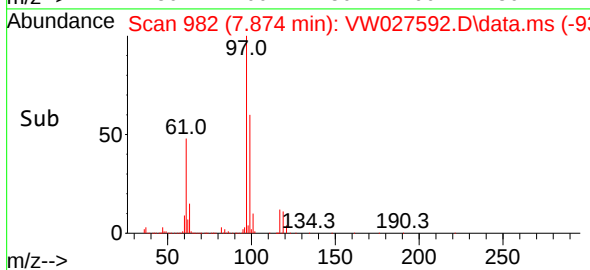
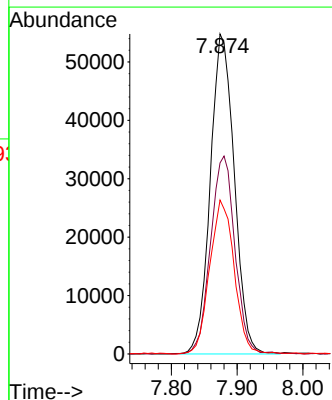
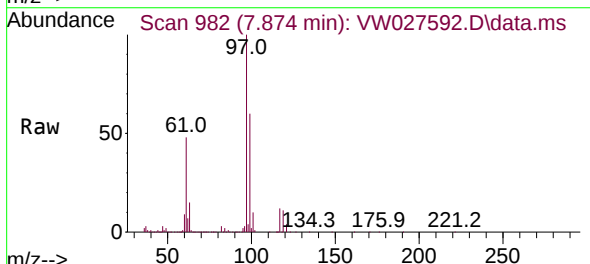
Instrument :
MSVOA_W
ClientSampleId :

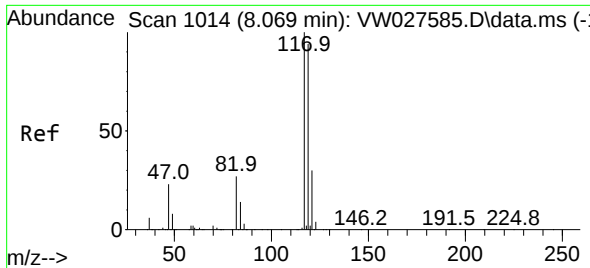
Tgt Ion: 56 Resp: 159988
Ion Ratio Lower Upper
56 100
69 29.5 24.1 36.1
84 80.7 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 25.755 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 97 Resp: 138994
Ion Ratio Lower Upper
97 100
99 62.8 50.5 75.7
61 49.0 39.0 58.4

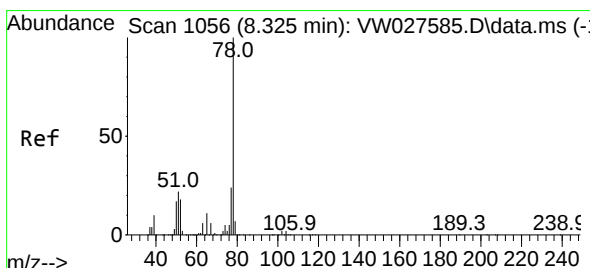
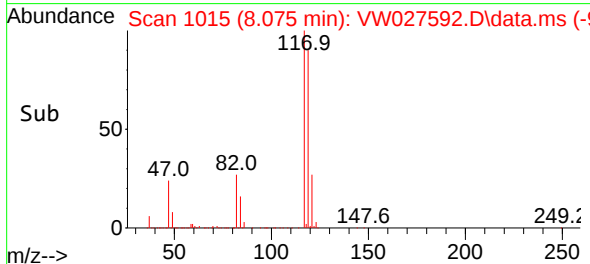
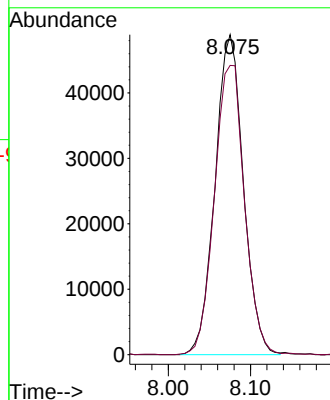
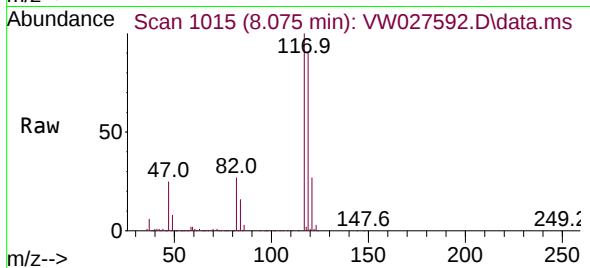




#31
Carbon tetrachloride
Concen: 24.921 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

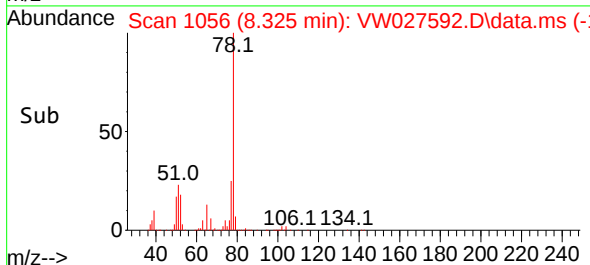
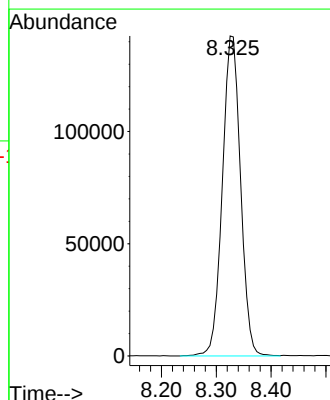
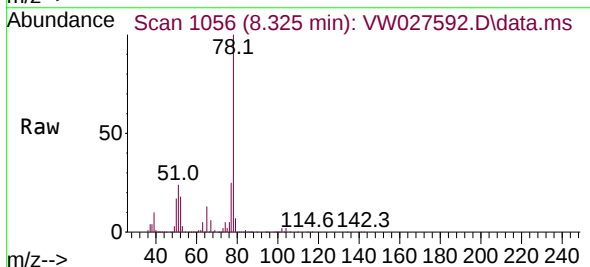
Instrument :
MSVOA_W
ClientSampleId :

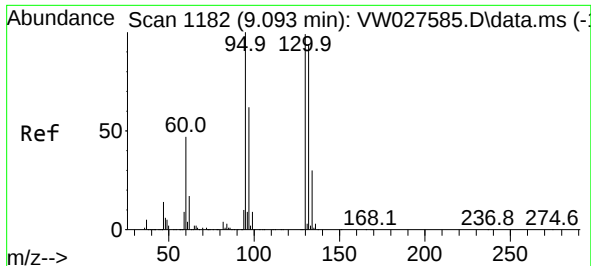
Tgt Ion:117 Resp: 117309
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6



#33
Benzene
Concen: 24.667 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 78 Resp: 329368

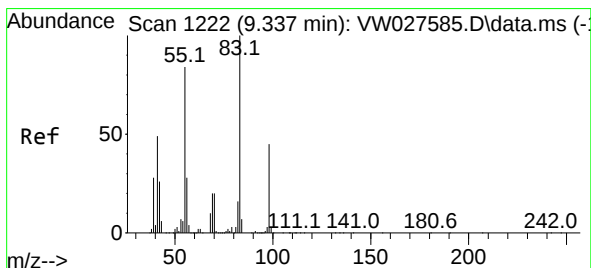
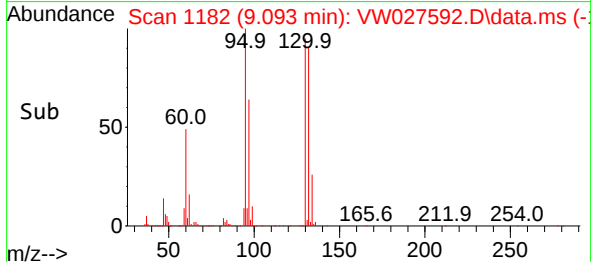
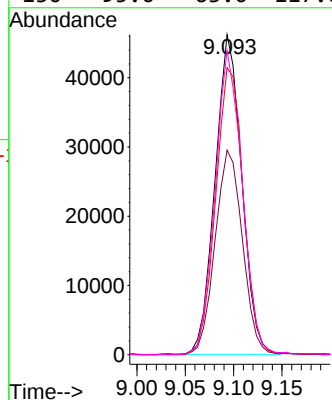
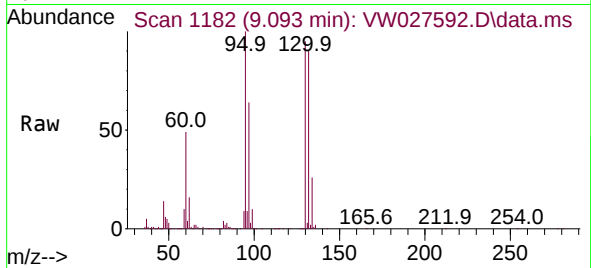




#34
Trichloroethene
Concen: 24.237 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

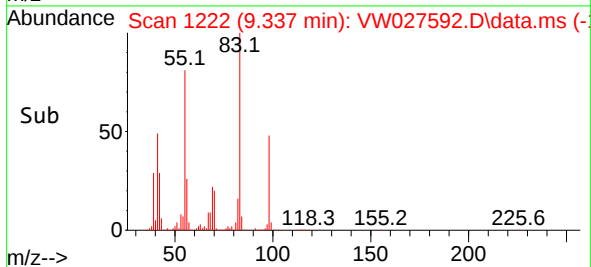
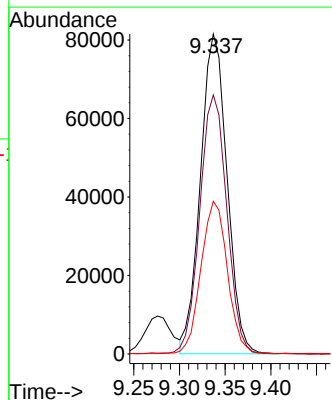
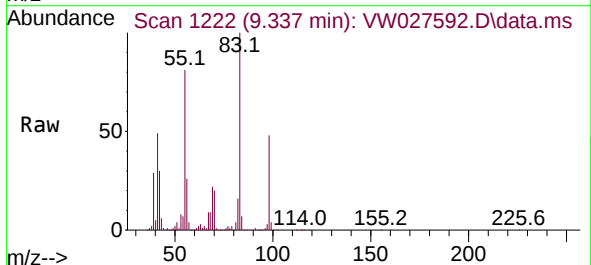
Instrument :
MSVOA_W
ClientSampleId :

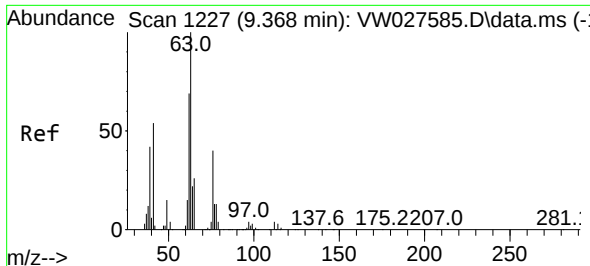
Tgt Ion: 95 Resp: 88397
Ion Ratio Lower Upper
95 100
97 63.9 43.0 80.0
132 89.7 64.1 119.1
130 95.0 63.0 117.0



#35
Methylcyclohexane
Concen: 25.396 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 83 Resp: 164930
Ion Ratio Lower Upper
83 100
55 82.1 65.6 98.4
98 47.2 38.3 57.5





#37

1,2-Dichloropropane

Concen: 24.208 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

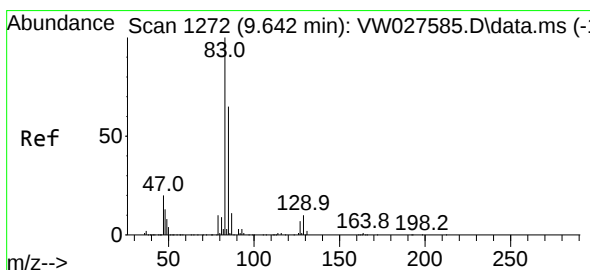
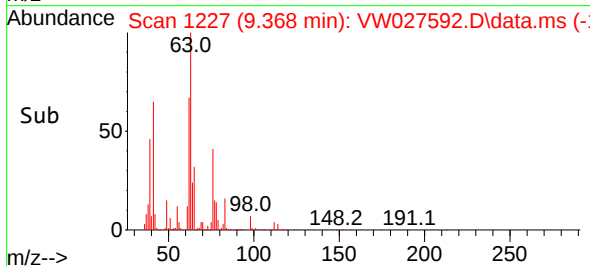
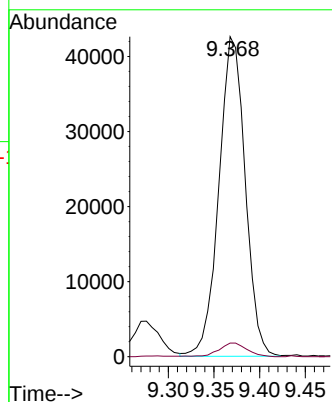
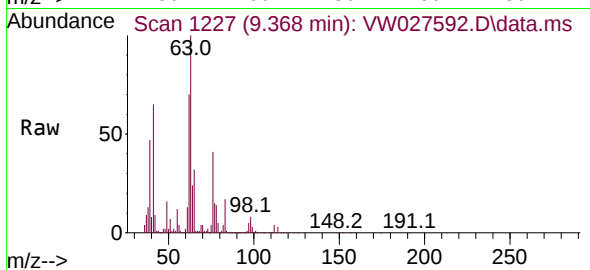
ClientSampleId :

Tgt Ion: 63 Resp: 85343

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 24.107 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

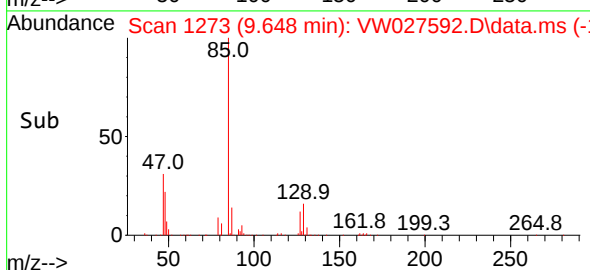
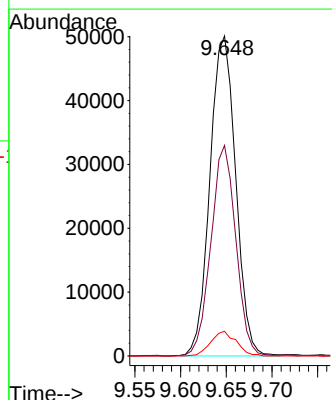
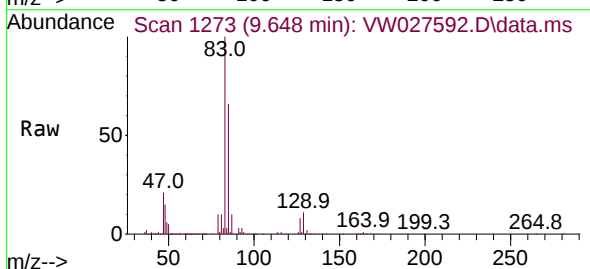
Tgt Ion: 83 Resp: 98252

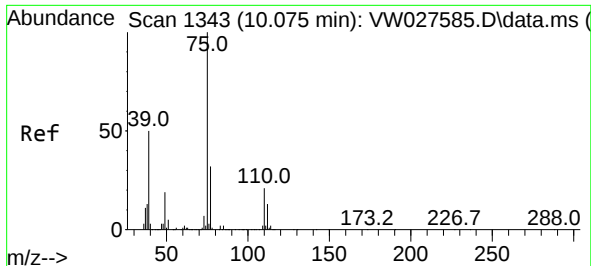
Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

127 7.7 5.3 7.9





#39

cis-1,3-Dichloropropene

Concen: 23.247 ug/L

RT: 10.075 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

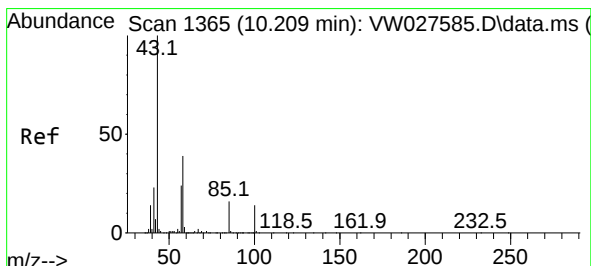
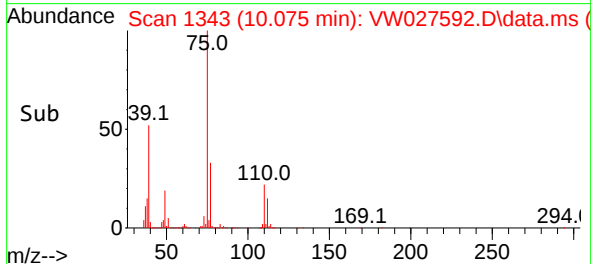
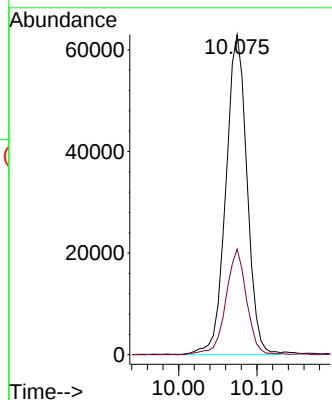
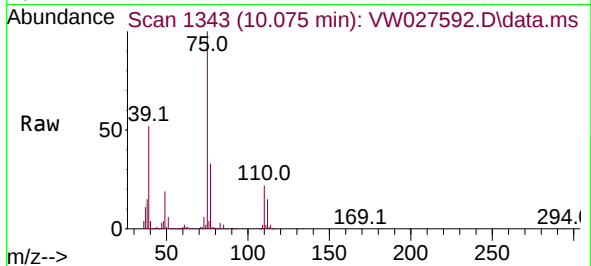
ClientSampleId :

Tgt Ion: 75 Resp: 118308

Ion Ratio Lower Upper

75 100

77 33.0 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 38.554 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

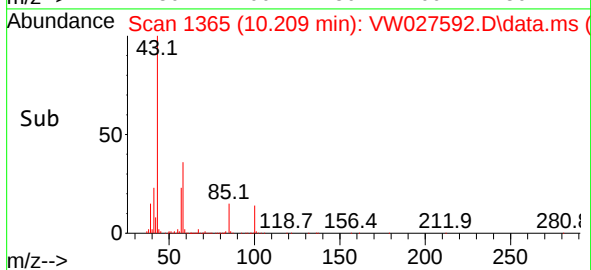
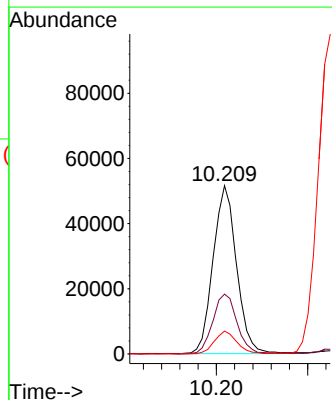
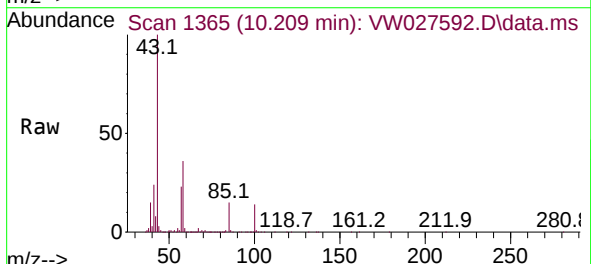
Tgt Ion: 43 Resp: 91876

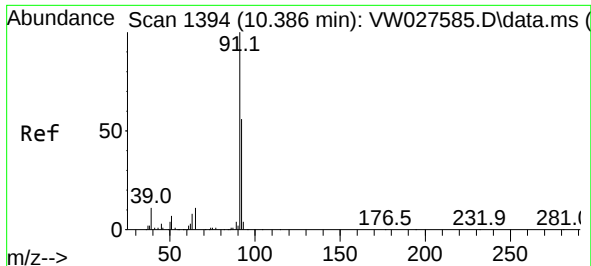
Ion Ratio Lower Upper

43 100

58 37.2 29.6 44.4

100 13.2 11.1 16.7

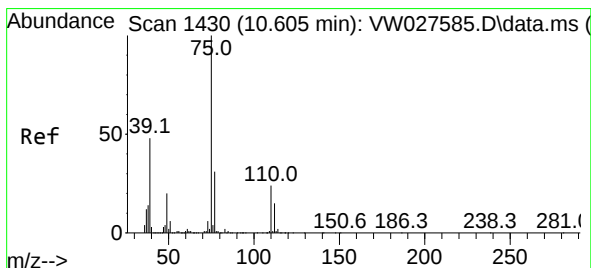
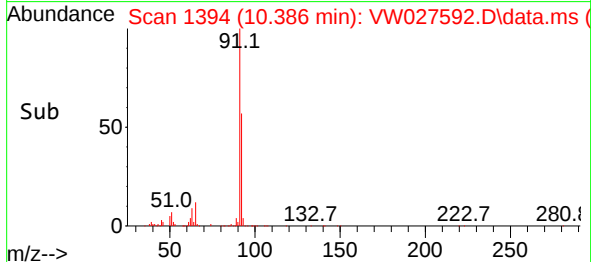
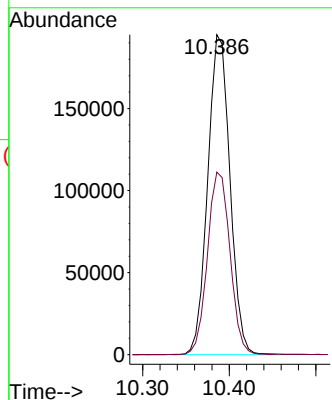
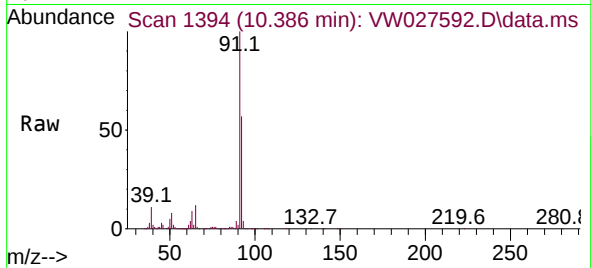




#42
Toluene
Concen: 24.619 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

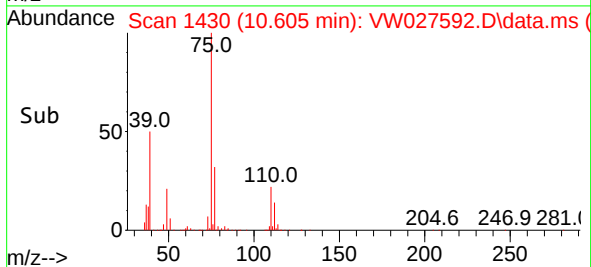
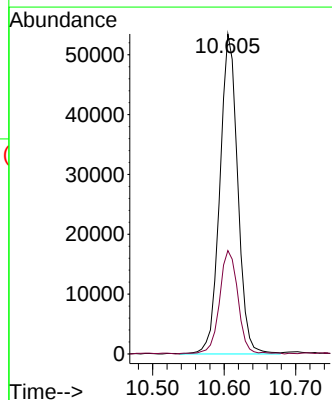
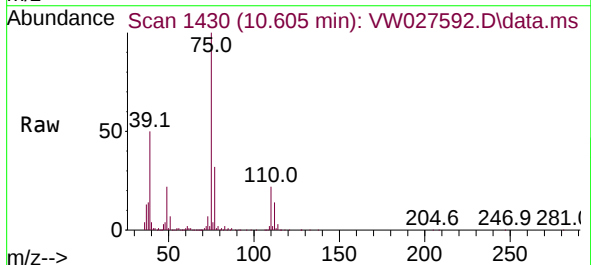
Instrument :
MSVOA_W
ClientSampleId :

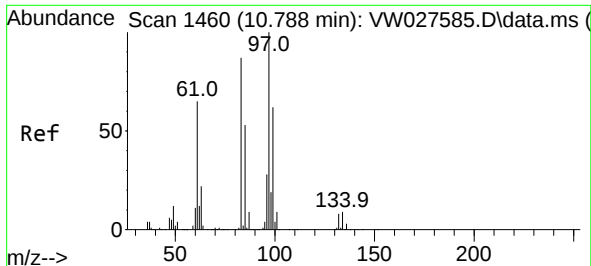
Tgt Ion: 91 Resp: 347691
Ion Ratio Lower Upper
91 100
92 57.0 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 22.634 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion: 75 Resp: 92923
Ion Ratio Lower Upper
75 100
77 32.3 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 22.324 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 54811

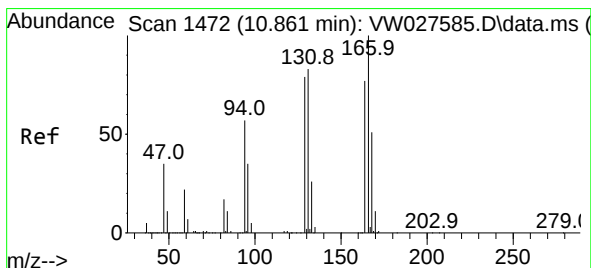
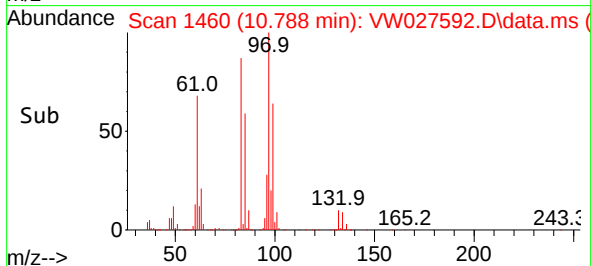
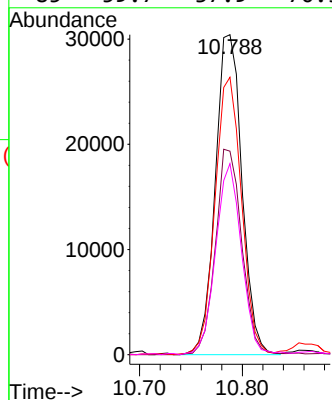
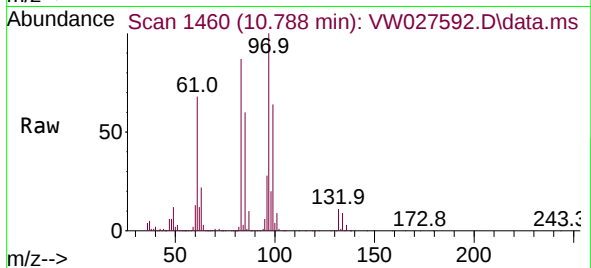
Ion Ratio Lower Upper

97 100

99 63.6 42.8 79.4

83 86.7 59.9 111.3

85 59.7 37.9 70.5



#46

Tetrachloroethene

Concen: 23.473 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Tgt Ion:164 Resp: 61032

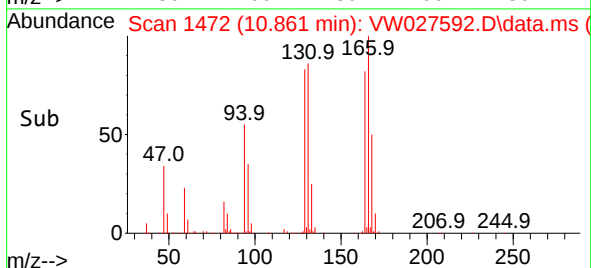
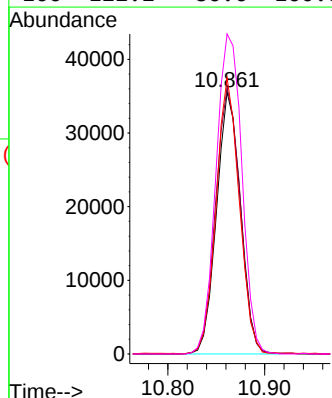
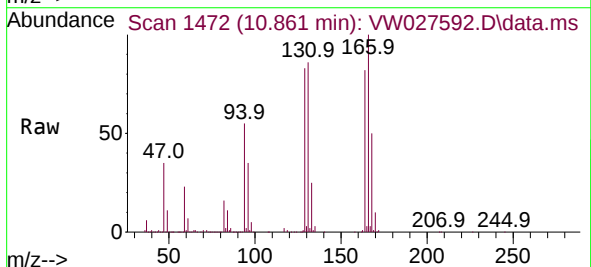
Ion Ratio Lower Upper

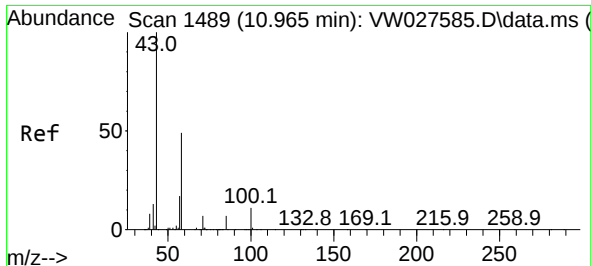
164 100

129 101.8 71.0 131.8

131 105.4 61.2 113.6

166 122.2 86.6 160.8

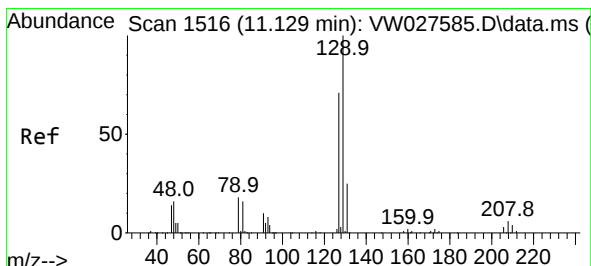
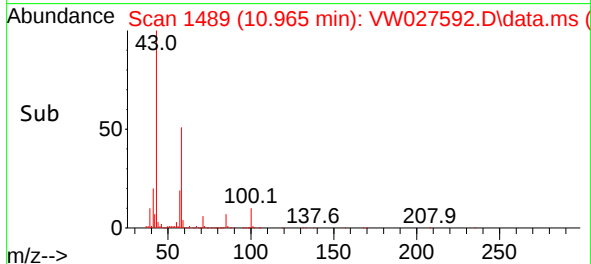
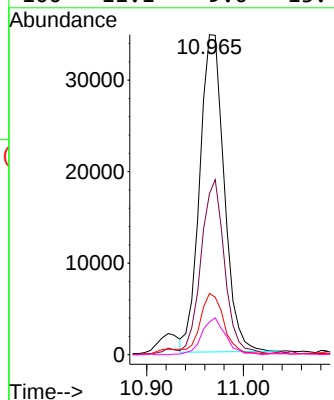
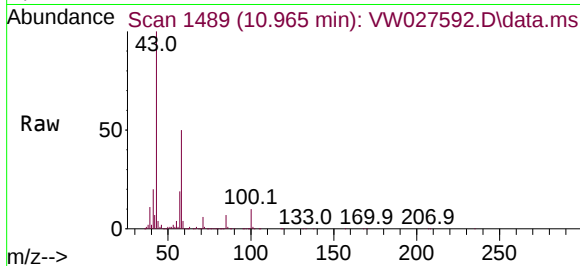




#48
2-Hexanone
Concen: 36.346 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

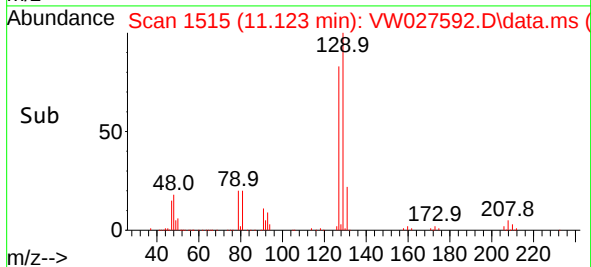
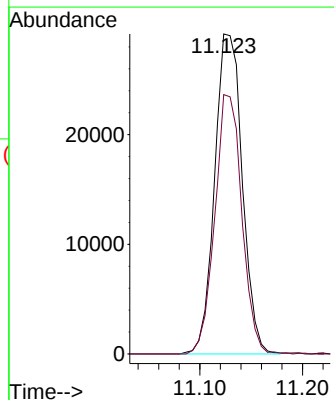
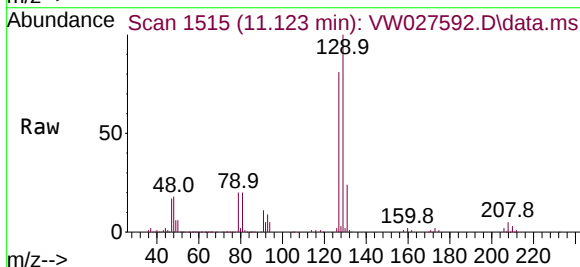
Instrument :
MSVOA_W
ClientSampleId :

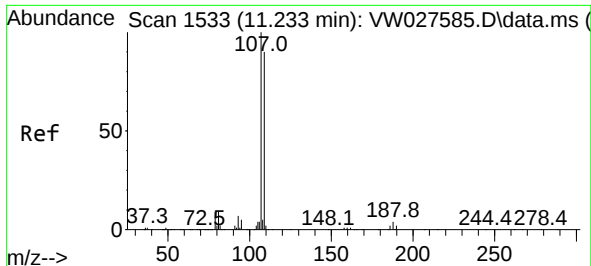
Tgt Ion: 43	Resp: 61042
Ion Ratio	Lower Upper
43 100	
58 53.1	40.8 61.2
57 18.9	14.8 22.2
100 11.1	9.0 13.4



#49
Dibromochloromethane
Concen: 22.417 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion:129	Resp: 54406		
Ion Ratio	Lower	Upper	
129 100			
127 81.0	52.3	97.1	





#50

1,2-Dibromoethane

Concen: 20.954 ug/L

RT: 11.239 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

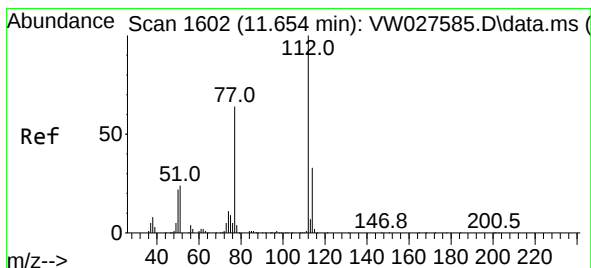
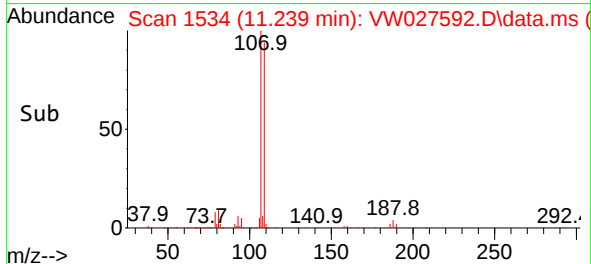
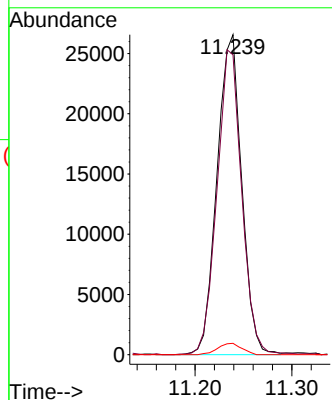
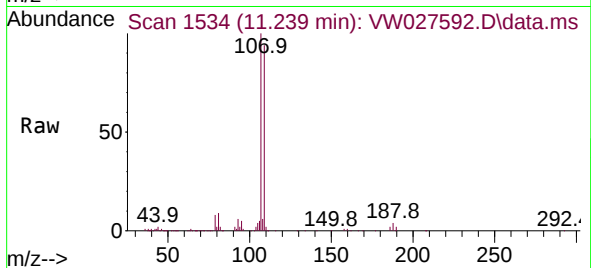
Tgt Ion:107 Resp: 47068

Ion Ratio Lower Upper

107 100

109 93.7 64.8 120.3

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 23.929 ug/L

RT: 11.660 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

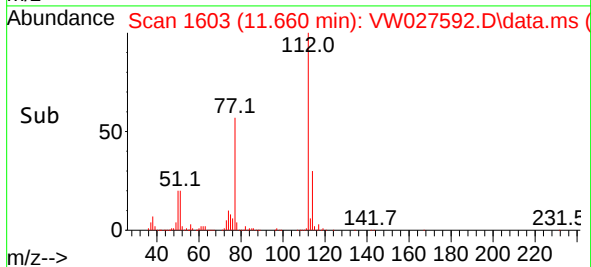
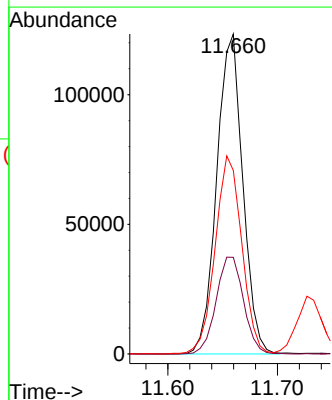
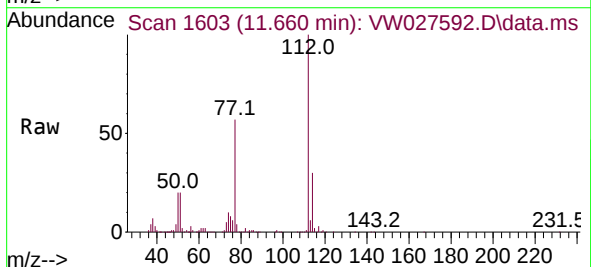
Tgt Ion:112 Resp: 203881

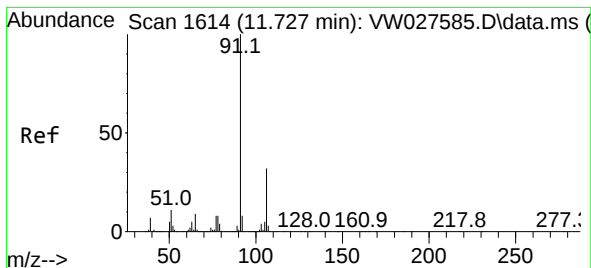
Ion Ratio Lower Upper

112 100

114 30.2 21.5 39.9

77 57.3 50.6 76.0

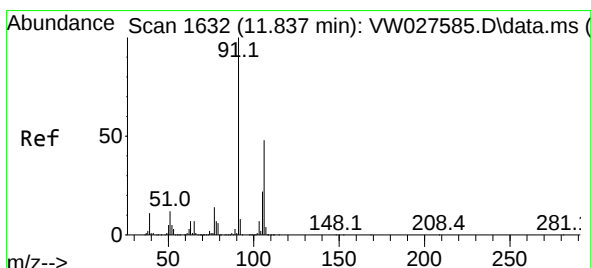
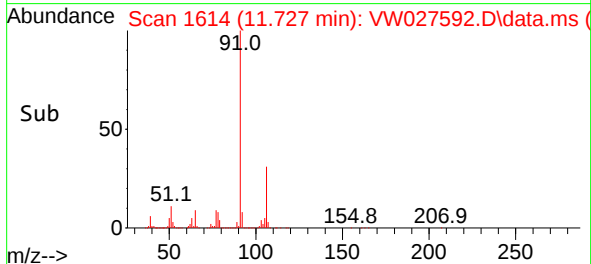
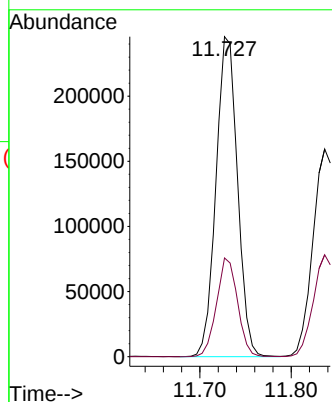
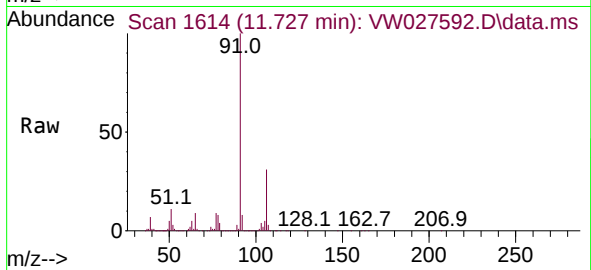




#52
Ethylbenzene
Concen: 25.070 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

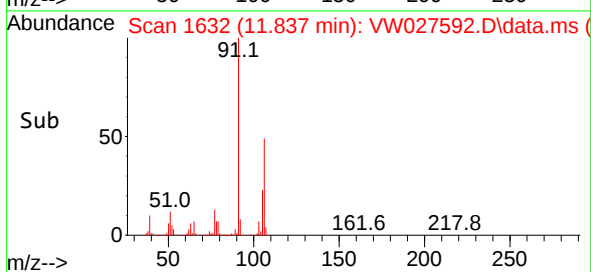
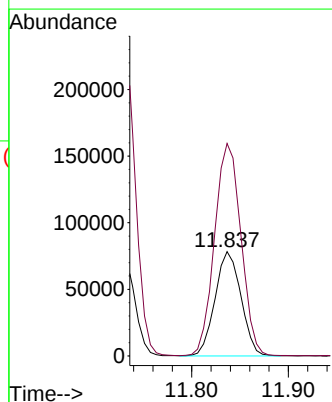
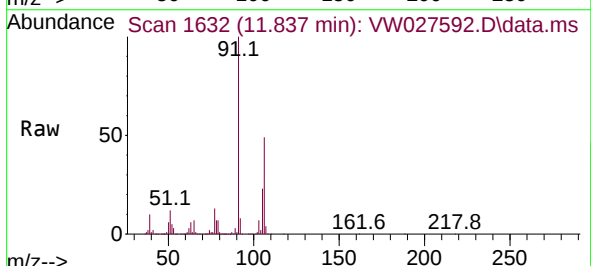
Instrument :
MSVOA_W
ClientSampleId :

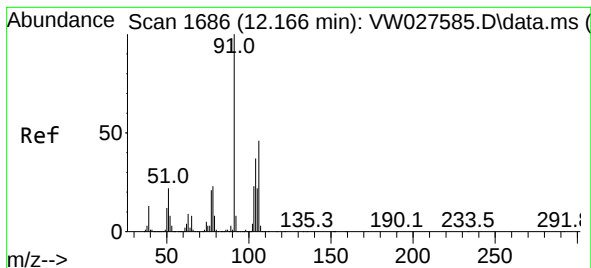
Tgt Ion: 91 Resp: 402195
Ion Ratio Lower Upper
91 100
106 30.9 19.5 36.1



#53
m,p-Xylene
Concen: 24.693 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion:106 Resp: 145970
Ion Ratio Lower Upper
106 100
91 203.7 142.1 263.9





#54

o-Xylene

Concen: 25.055 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

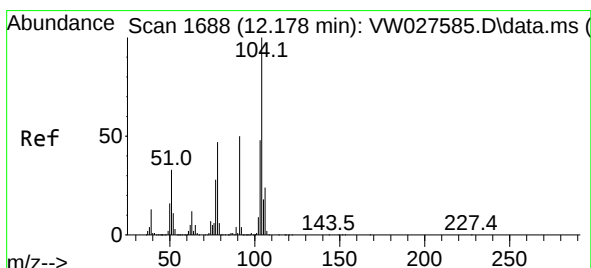
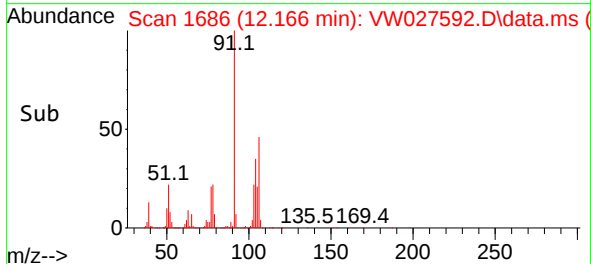
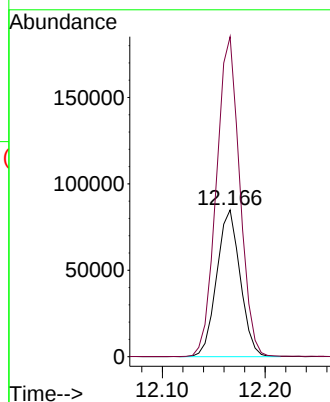
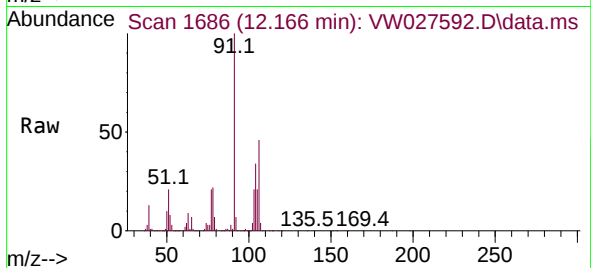
ClientSampleId :

Tgt Ion:106 Resp: 134615

Ion Ratio Lower Upper

106 100

91 218.0 158.8 295.0



#55

Styrene

Concen: 24.330 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027592.D

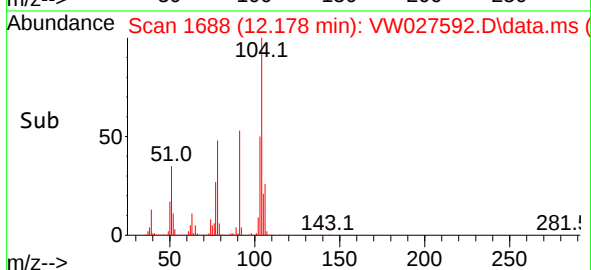
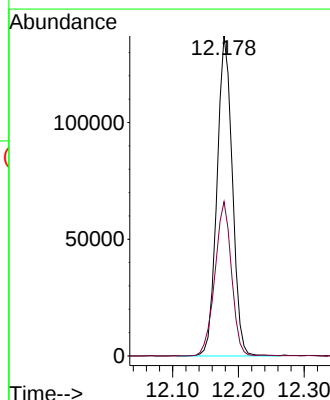
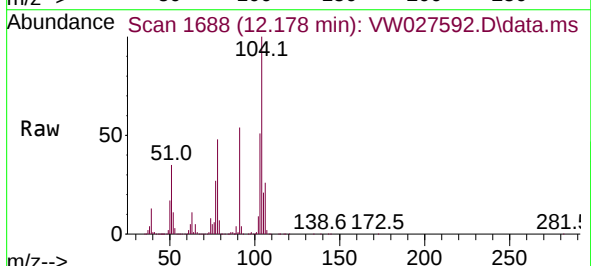
Acq: 12 Dec 2023 14:22

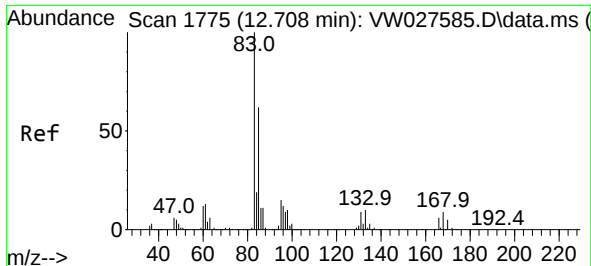
Tgt Ion:104 Resp: 223112

Ion Ratio Lower Upper

104 100

78 48.2 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.011 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

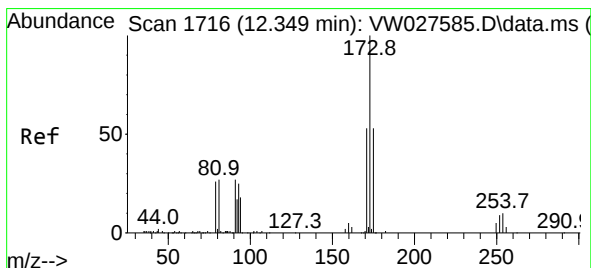
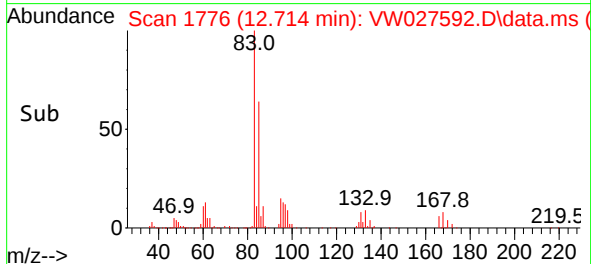
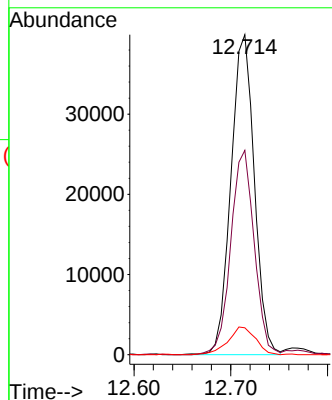
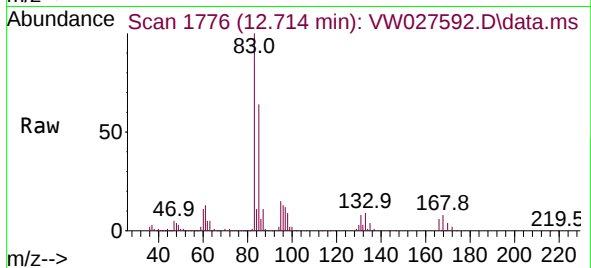
Tgt Ion: 83 Resp: 67158

Ion Ratio Lower Upper

83 100

85 63.9 41.9 77.7

131 8.4 7.0 10.6



#59

Bromoform

Concen: 21.806 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

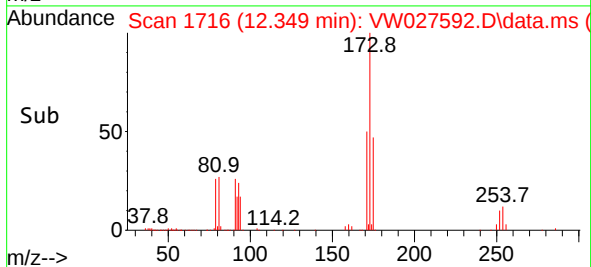
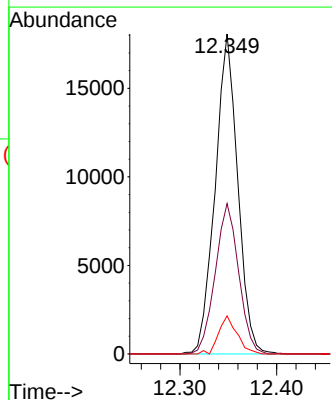
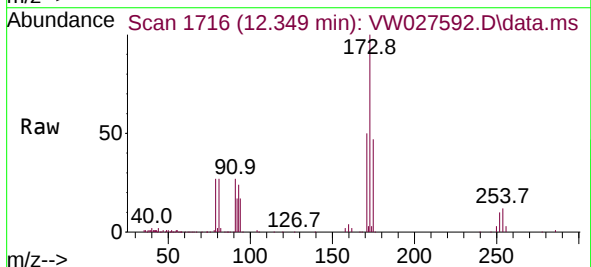
Tgt Ion:173 Resp: 29299

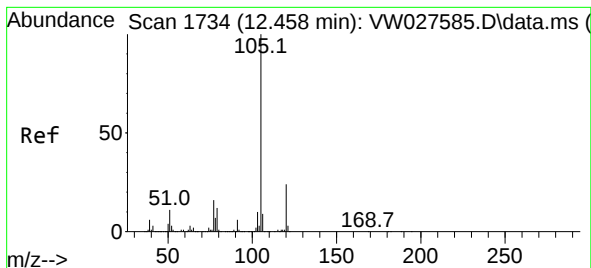
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 9.5 7.8 11.8





#60

Isopropylbenzene

Concen: 25.516 ug/L

RT: 12.465 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

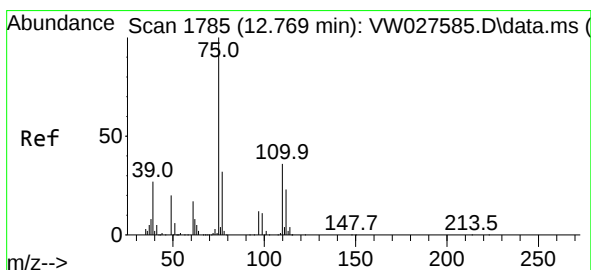
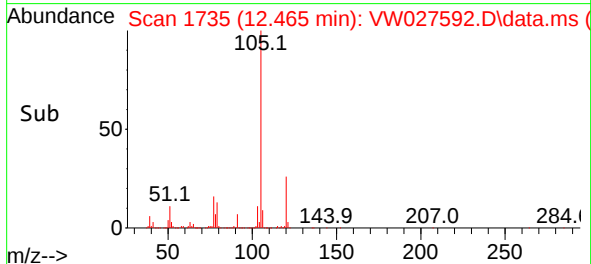
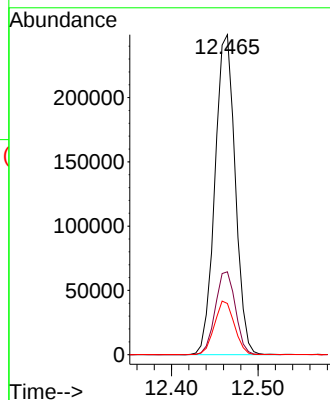
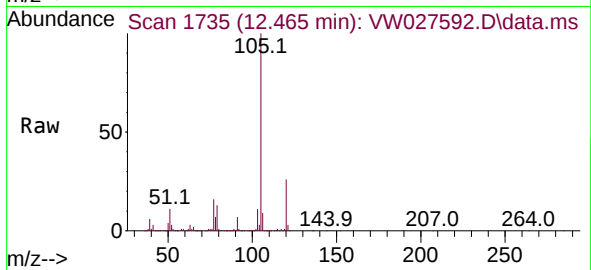
Tgt Ion:105 Resp: 404165

Ion Ratio Lower Upper

105 100

120 25.9 20.3 30.5

77 16.6 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 20.809 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

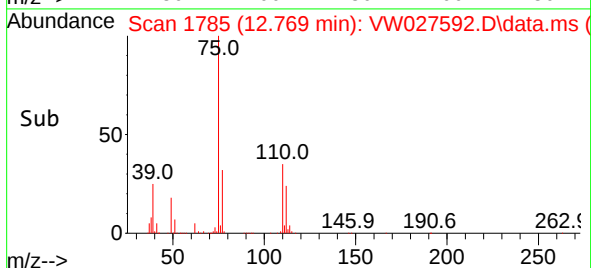
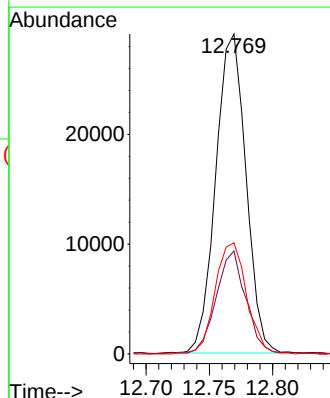
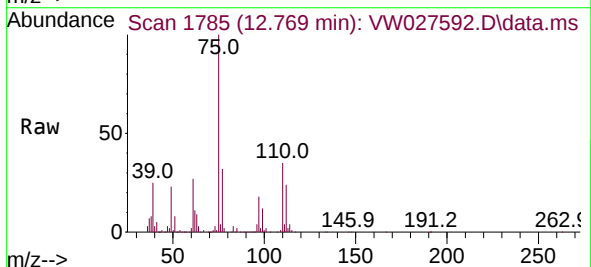
Tgt Ion: 75 Resp: 48150

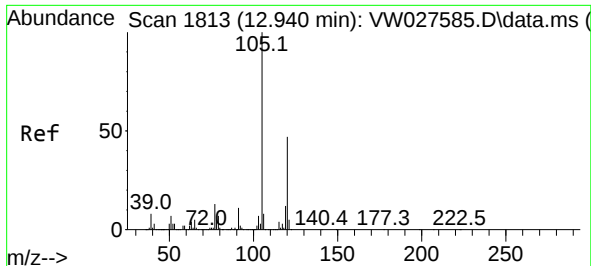
Ion Ratio Lower Upper

75 100

77 31.8 26.6 39.8

110 36.5 30.2 45.4

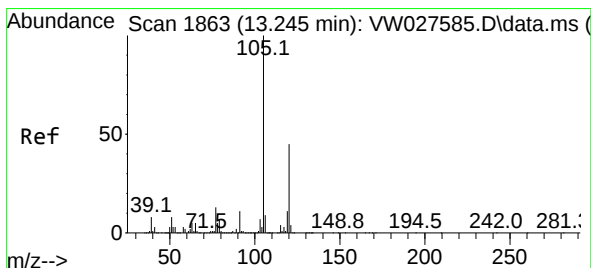
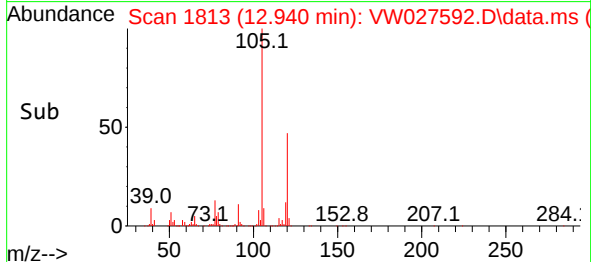
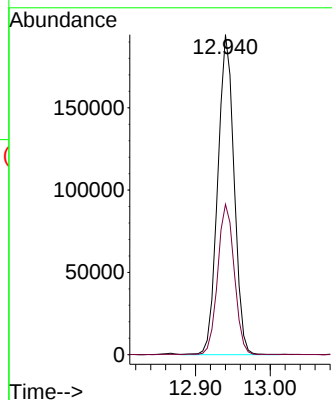
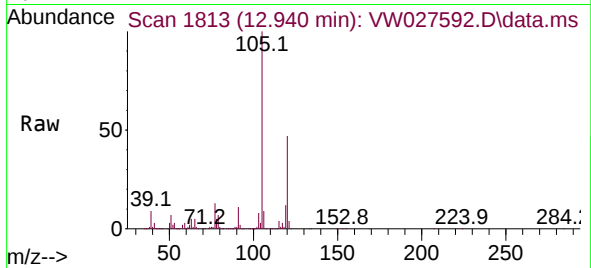




#62
1,3,5-Trimethylbenzene
Concen: 25.276 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

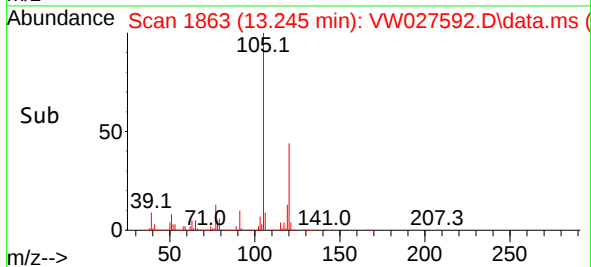
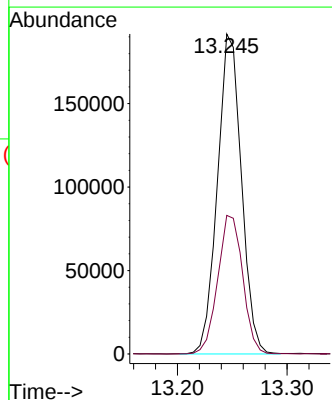
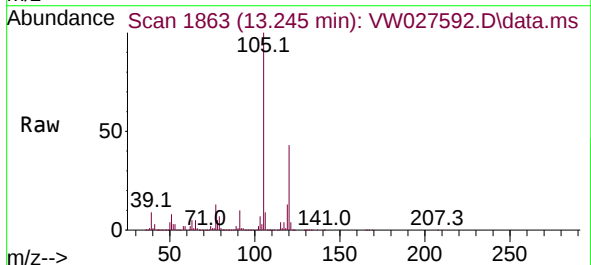
Instrument :
MSVOA_W
ClientSampleId :

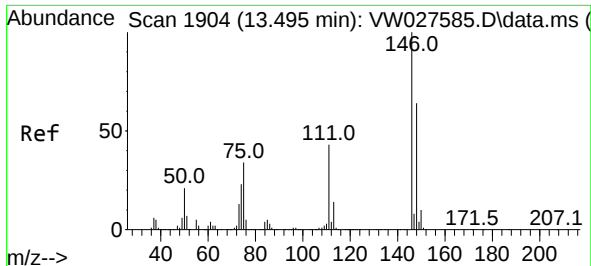
Tgt Ion:105 Resp: 296114
Ion Ratio Lower Upper
105 100
120 47.6 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 25.018 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion:105 Resp: 291905
Ion Ratio Lower Upper
105 100
120 45.0 36.9 55.3

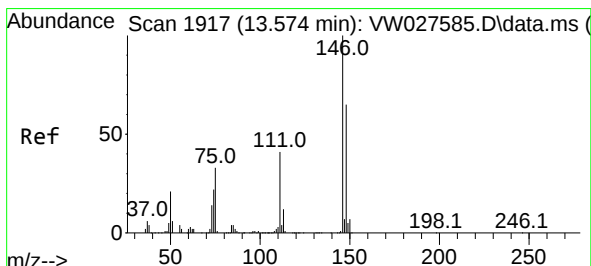
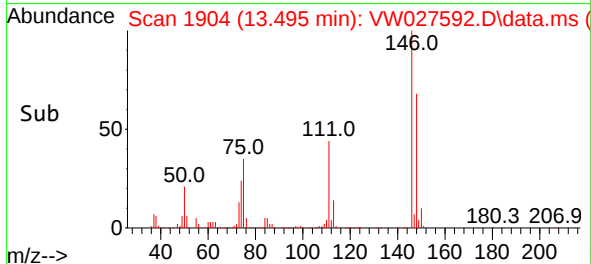
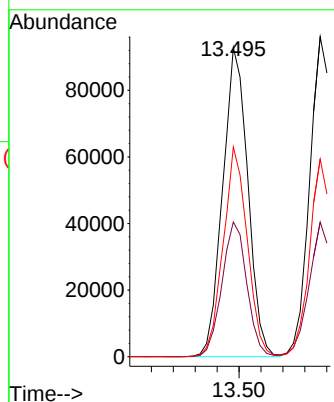
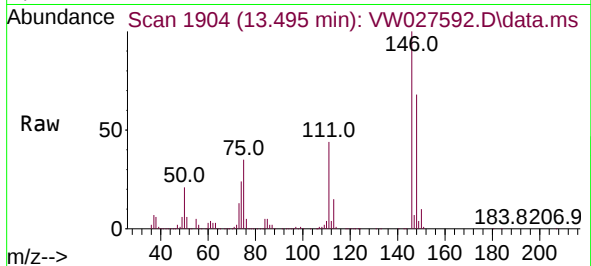




#64
1,3-Dichlorobenzene
Concen: 24.400 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

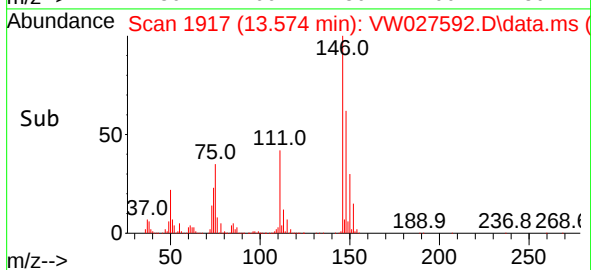
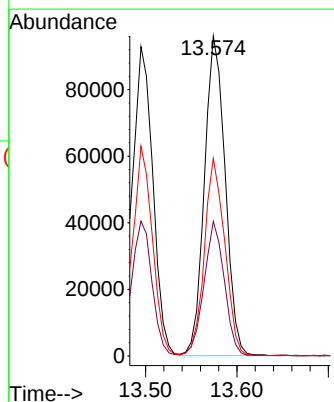
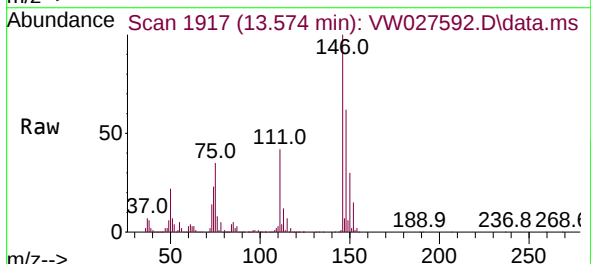
Instrument :
MSVOA_W
ClientSampleId :

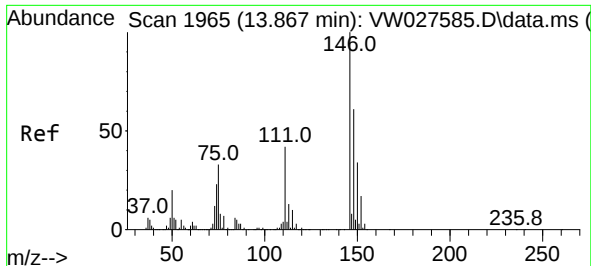
Tgt Ion:146 Resp: 148041
Ion Ratio Lower Upper
146 100
111 43.6 29.5 54.7
148 67.8 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 24.977 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027592.D
Acq: 12 Dec 2023 14:22

Tgt Ion:146 Resp: 151153
Ion Ratio Lower Upper
146 100
111 42.0 28.9 53.7
148 61.8 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 24.254 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

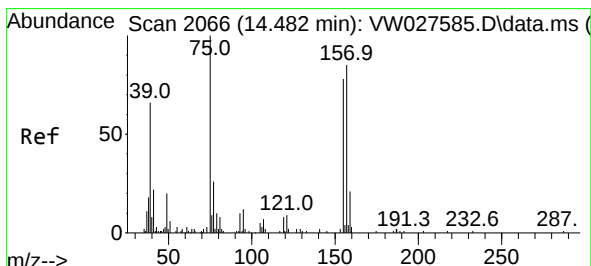
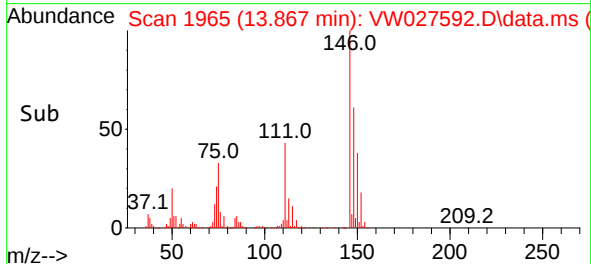
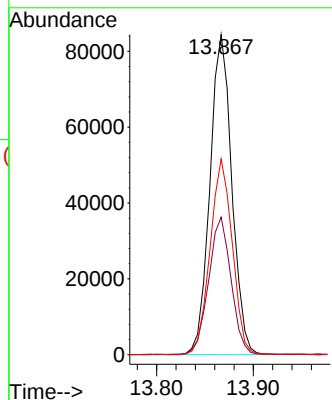
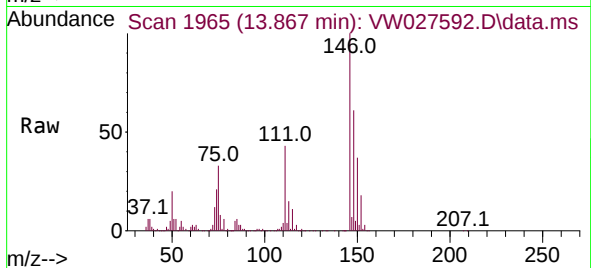
Tgt Ion:146 Resp: 132572

Ion Ratio Lower Upper

146 100

111 43.0 33.9 50.9

148 61.1 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 18.862 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

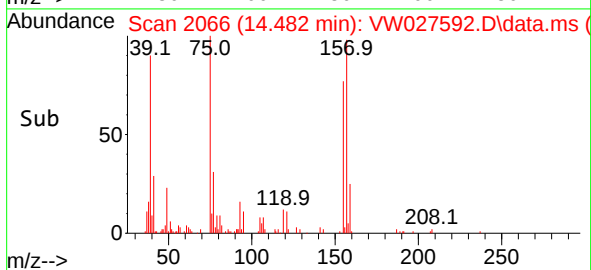
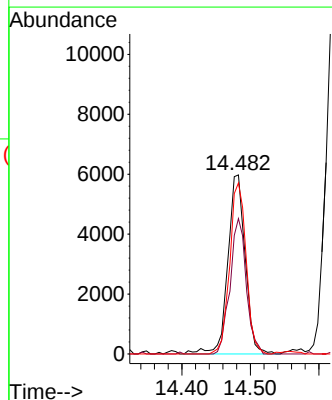
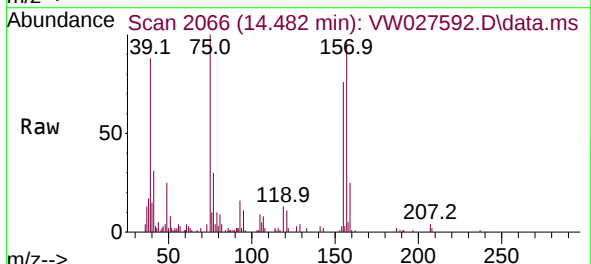
Tgt Ion: 75 Resp: 10498

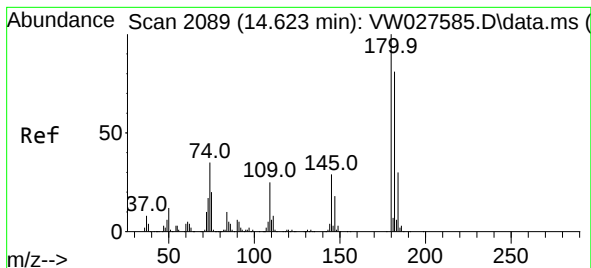
Ion Ratio Lower Upper

75 100

155 75.6 65.8 98.8

157 95.6 63.0 94.6#





#69

1,3,5-Trichlorobenzene

Concen: 24.737 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 100922

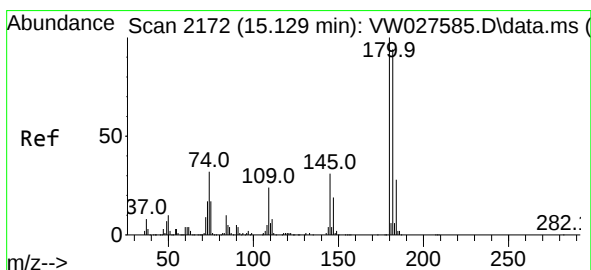
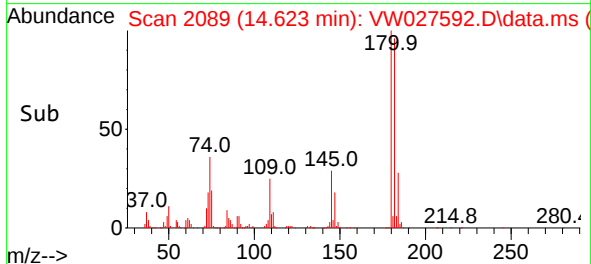
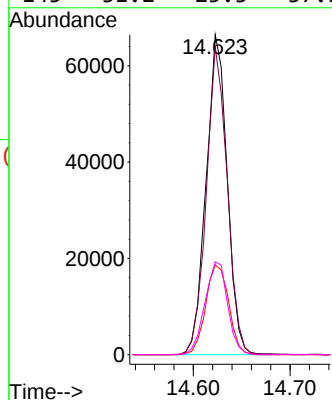
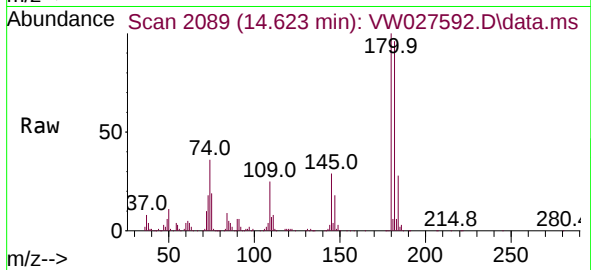
Ion Ratio Lower Upper

180 100

182 95.5 73.2 109.8

184 30.6 25.4 38.2

145 31.2 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 24.946 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

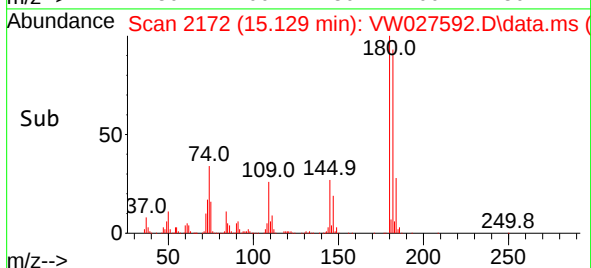
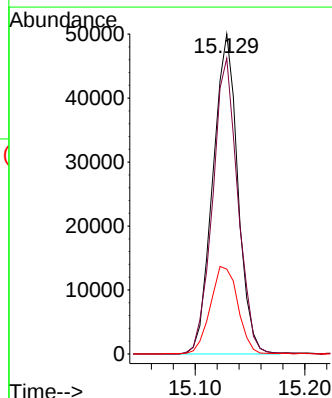
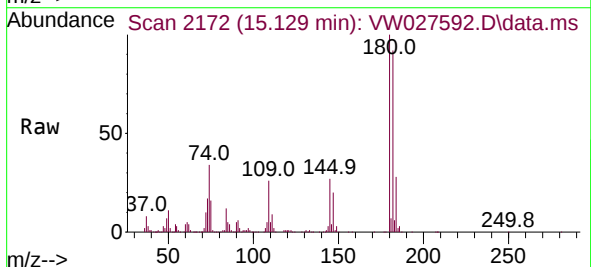
Tgt Ion:180 Resp: 79033

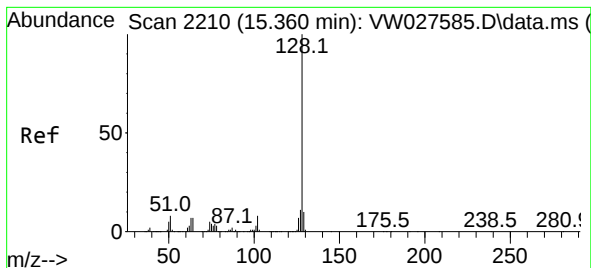
Ion Ratio Lower Upper

180 100

182 93.4 78.7 118.1

145 30.2 26.8 40.2





#71

Naphthalene

Concen: 20.986 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Instrument :

MSVOA_W

ClientSampleId :

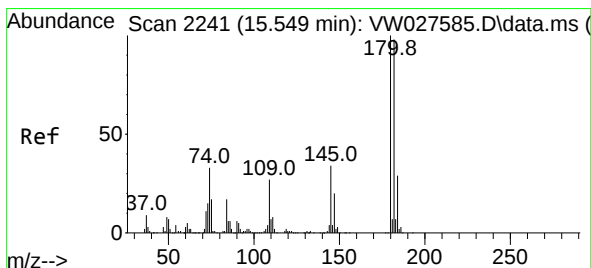
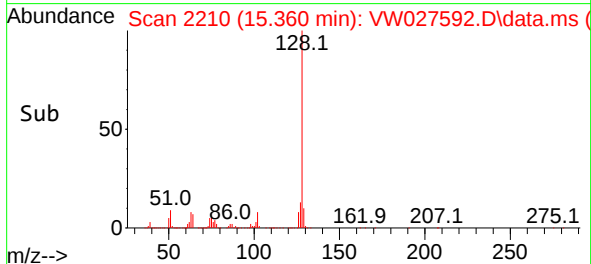
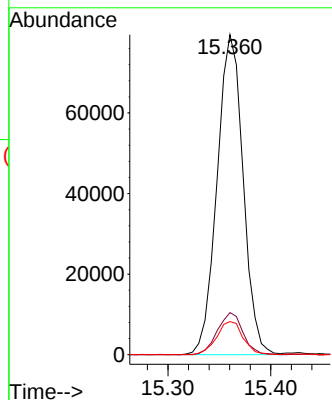
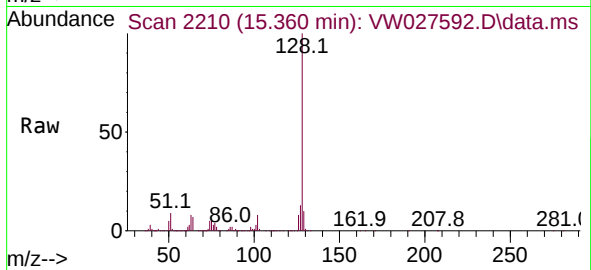
Tgt Ion:128 Resp: 139847

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.5 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 22.733 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027592.D

Acq: 12 Dec 2023 14:22

Tgt Ion:180 Resp: 61698

Ion Ratio Lower Upper

180 100

182 99.3 72.4 108.6

145 35.9 27.4 41.0

