

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121423\
 Data File : VW027619.D
 Acq On : 14 Dec 2023 10:56
 Operator : SY/MD
 Sample : 05806-07MS
 Misc : 5.65g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E0LQ8MS

Quant Time: Dec 15 03:29:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 15 03:28:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	350250	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	210119	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	49301	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	142916	20.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.120%
7) Chloroethane-d5	2.899	69	116267	22.755	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.040%
11) 1,1-Dichloroethene-d2	4.027	65	60172	20.176	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.720%
21) 2-Butanone-d5	7.081	46	44056	23.854	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	47.700%
24) Chloroform-d	7.654	84	230871	22.083	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.320%
26) 1,2-Dichloroethane-d4	8.307	65	90011	16.836	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.360%#
32) Benzene-d6	8.276	84	465681	31.467	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.880%
36) 1,2-Dichloropropane-d6	9.276	67	134100	30.737	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.960%#
41) Toluene-d8	10.318	98	349541	26.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.000%
43) trans-1,3-Dichloroprop...	10.581	79	32120	19.038	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.160%
47) 2-Hexanone-d5	10.922	63	28535	35.103	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.200%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	62371	17.381	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.520%
66) 1,2-Dichlorobenzene-d4	13.854	152	40780	23.597	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	127264	27.137	ug/L	98
3) Chloromethane	2.222	50	173506	30.209	ug/L	99
5) Vinyl chloride	2.375	62	195318	29.153	ug/L	99
6) Bromomethane	2.795	94	102427	29.131	ug/L	97
8) Chloroethane	2.936	64	108819	28.438	ug/L	97
9) Trichlorofluoromethane	3.277	101	184584	28.766	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	142664	26.073	ug/L	97
12) 1,1-Dichloroethene	4.045	96	128681	25.758	ug/L	94
13) Acetone	4.124	43	55425	31.130	ug/L	99
14) Carbon disulfide	4.393	76	408135	27.034	ug/L	98
15) Methyl Acetate	4.667	43	33647	10.813	ug/L	99
16) Methylene chloride	4.923	84	127591	22.339	ug/L	96
17) trans-1,2-Dichloroethene	5.435	96	133899	25.993	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	165225	19.885	ug/L	99
19) 1,1-Dichloroethane	6.222	63	272195	25.983	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	132175	23.892	ug/L	97
22) 2-Butanone	7.173	43	58355	25.405	ug/L	97
23) Bromochloromethane	7.520	128	44047	20.243	ug/L	99
25) Chloroform	7.679	83	233410	24.538	ug/L	90

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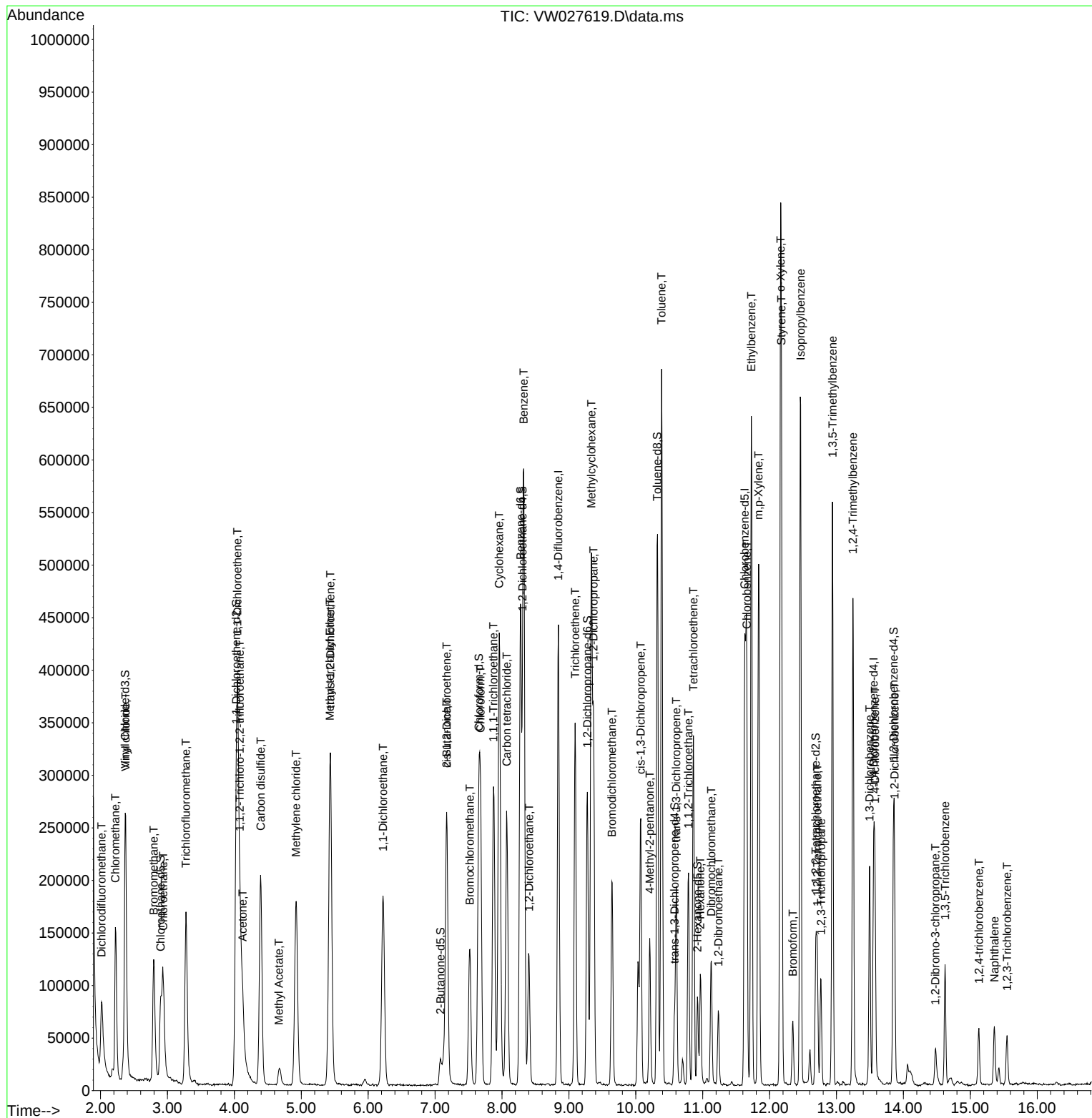
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	114319	18.595	ug/L	99
29) Cyclohexane	7.959	56	249161	36.069	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	232634	39.689	ug/L	100
31) Carbon tetrachloride	8.069	117	190375	37.237	ug/L	99
33) Benzene	8.325	78	537558	37.068	ug/L	100
34) Trichloroethene	9.093	95	123110	31.079	ug/L	95
35) Methylcyclohexane	9.337	83	195262	27.684	ug/L	99
37) 1,2-Dichloropropane	9.367	63	127379	33.268	ug/L #	93
38) Bromodichloromethane	9.642	83	132784	29.998	ug/L #	99
39) cis-1,3-Dichloropropene	10.075	75	149996	27.137	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	96685	37.357	ug/L	98
42) Toluene	10.386	91	486581	31.723	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	98717	22.139	ug/L	93
45) 1,1,2-Trichloroethane	10.788	97	61057	22.897	ug/L	95
46) Tetrachloroethene	10.861	164	70644	25.016	ug/L	89
48) 2-Hexanone	10.965	43	70386	38.588	ug/L	99
49) Dibromochloromethane	11.129	129	61706	23.410	ug/L	99
50) 1,2-Dibromoethane	11.233	107	46478	19.051	ug/L	100
51) Chlorobenzene	11.660	112	210433	22.741	ug/L	96
52) Ethylbenzene	11.727	91	444071	25.487	ug/L	98
53) m,p-Xylene	11.836	106	160011	24.923	ug/L	99
54) o-Xylene	12.166	106	164037	28.112	ug/L	94
55) Styrene	12.178	104	210529	21.138	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.714	83	61507	17.718	ug/L	100
59) Bromoform	12.349	173	25928	37.550	ug/L	99
60) Isopropylbenzene	12.464	105	422636	51.921	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	43294	36.408	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	281650	46.782	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	244809	40.828	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	77135	24.739	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	70968	22.819	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	69102	24.600	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.476	75	7039	24.610	ug/L #	77
69) 1,3,5-Trichlorobenzene	14.623	180	32508	15.505	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	16171	9.932	ug/L	98
71) Naphthalene	15.360	128	47492	13.868	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	13526	9.698	ug/L	91

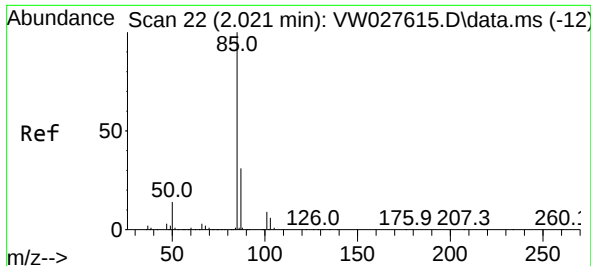
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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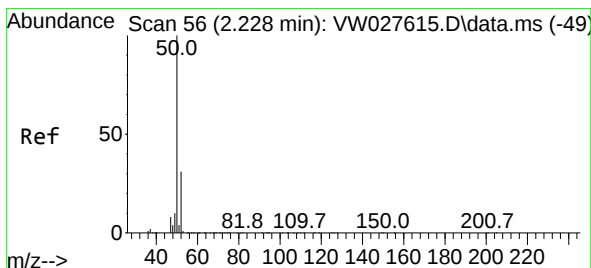
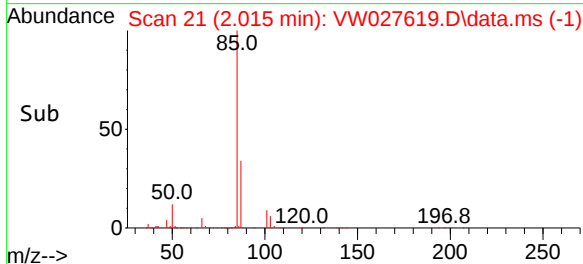
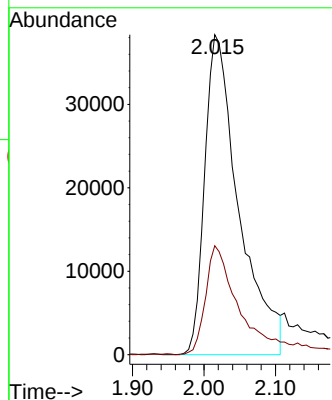
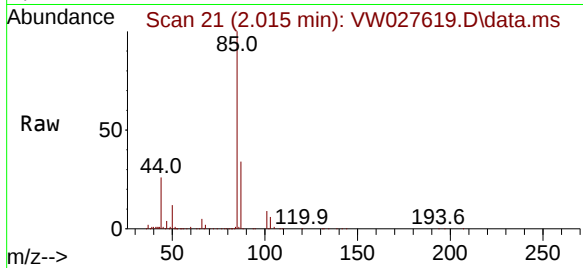




#2
Dichlorodifluoromethane
Concen: 27.137 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

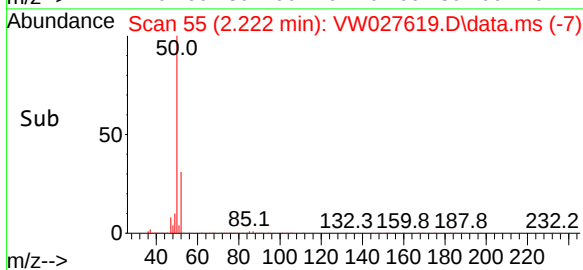
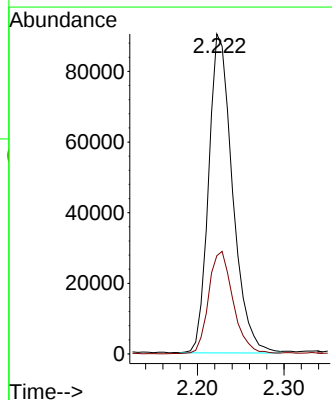
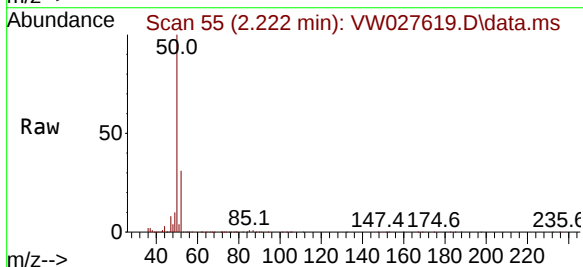
Instrument :
MSVOA_W
ClientSampleId :
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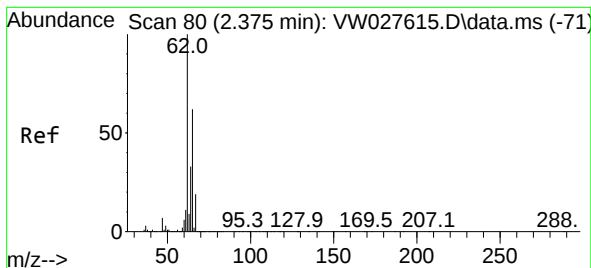
Tgt Ion: 85 Resp: 127264
Ion Ratio Lower Upper
85 100
87 31.3 24.0 36.0



#3
Chloromethane
Concen: 30.209 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 50 Resp: 173506
Ion Ratio Lower Upper
50 100
52 30.7 21.8 40.6





#5

Vinyl chloride

Concen: 29.153 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

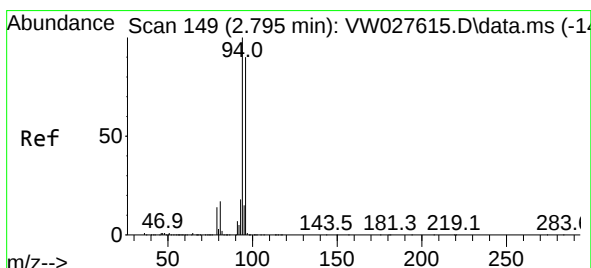
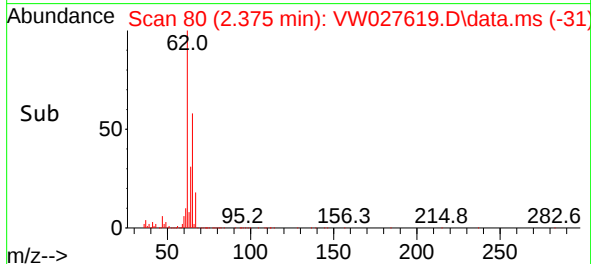
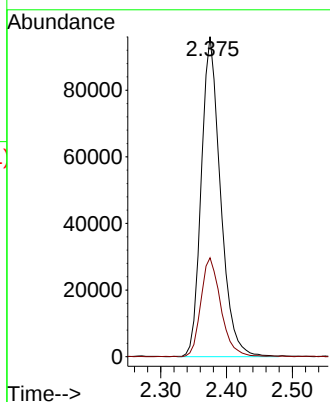
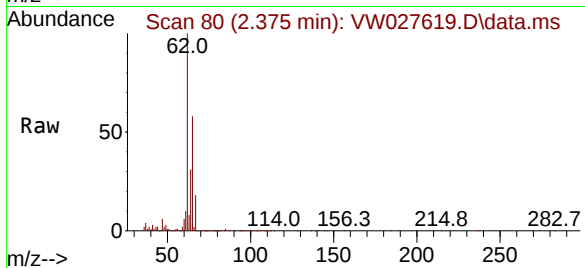
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Tgt Ion: 62 Resp: 195318

Ion Ratio Lower Upper

62 100

64 30.9 22.2 41.2



#6

Bromomethane

Concen: 29.131 ug/L

RT: 2.795 min Scan# 149

Delta R.T. -0.000 min

Lab File: VW027619.D

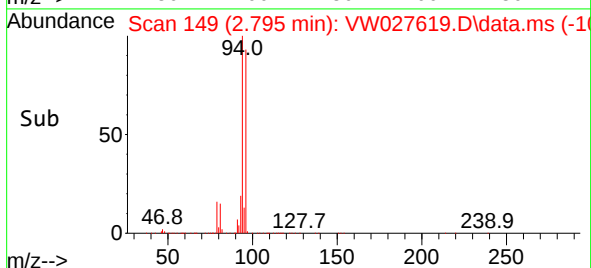
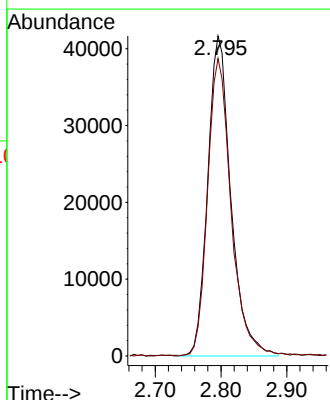
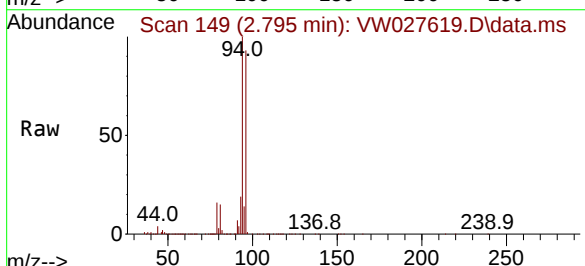
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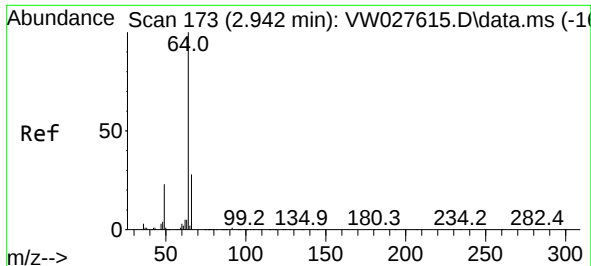
Tgt Ion: 94 Resp: 102427

Ion Ratio Lower Upper

94 100

96 93.0 63.3 117.7

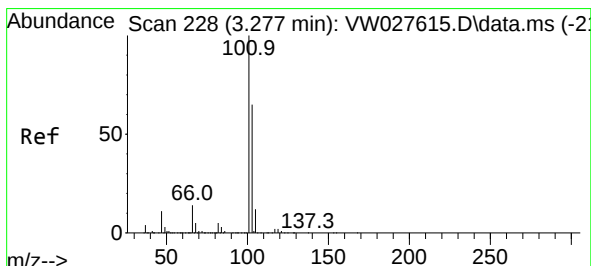
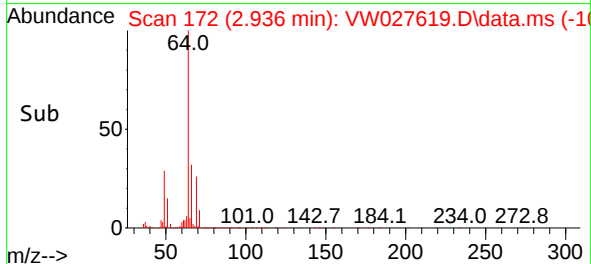
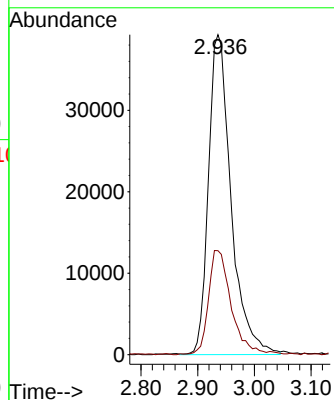
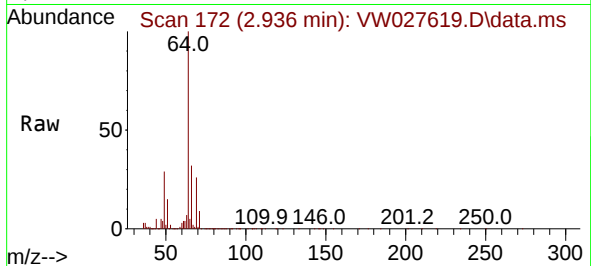




#8
Chloroethane
Concen: 28.438 ug/L
RT: 2.936 min Scan# 173
Delta R.T. -0.006 min
Lab File: VW027619.D
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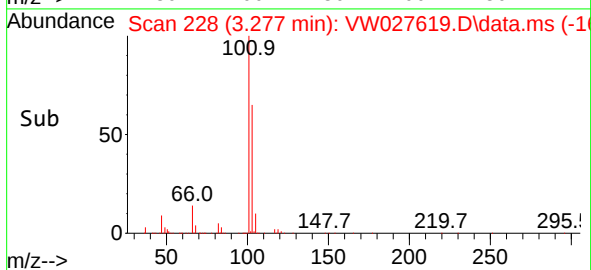
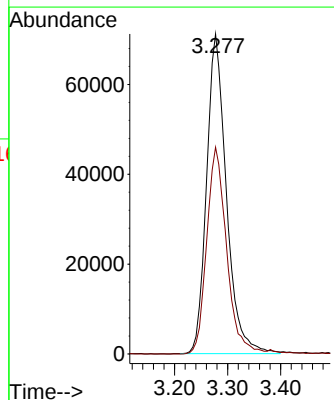
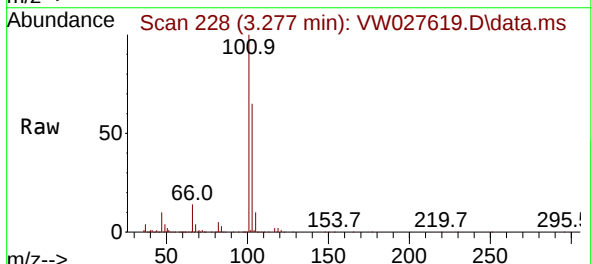
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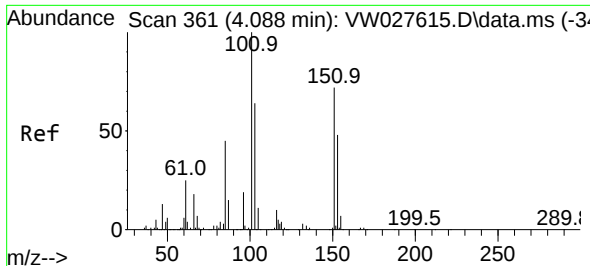
Tgt Ion: 64 Resp: 108819
Ion Ratio Lower Upper
64 100
66 32.5 24.1 44.7



#9
Trichlorofluoromethane
Concen: 28.766 ug/L
RT: 3.277 min Scan# 228
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 101 Resp: 184584
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

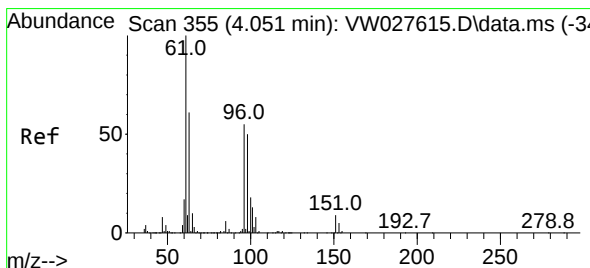
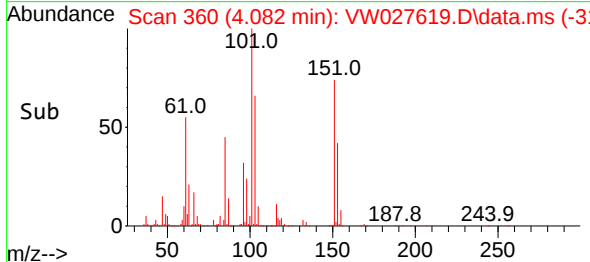
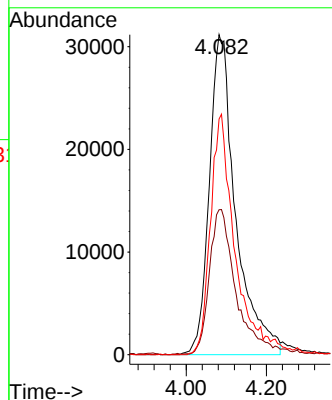
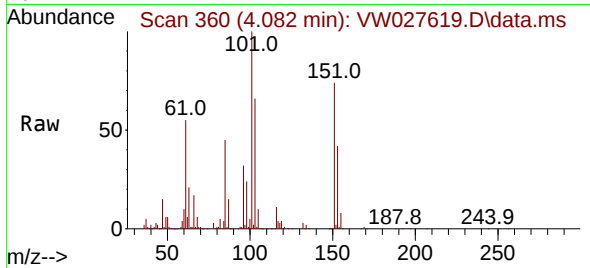




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.073 ug/L
 RT: 4.082 min Scan# 361
 Delta R.T. -0.006 min
 Lab File: VW027619.D
 Acq: 14 Dec 2023 10:56

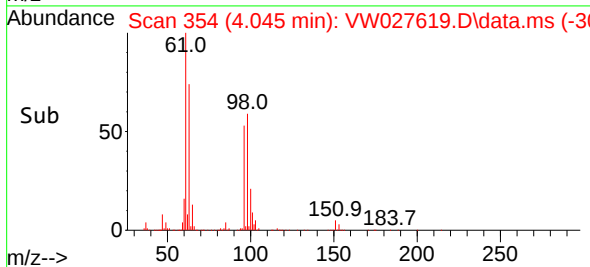
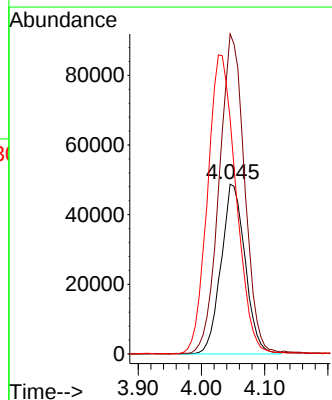
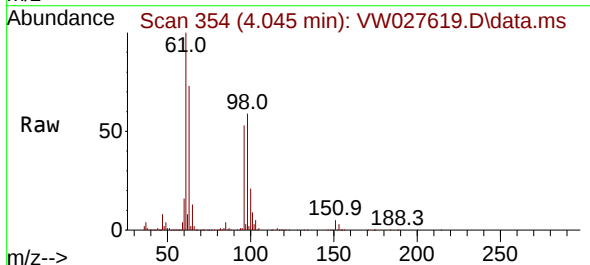
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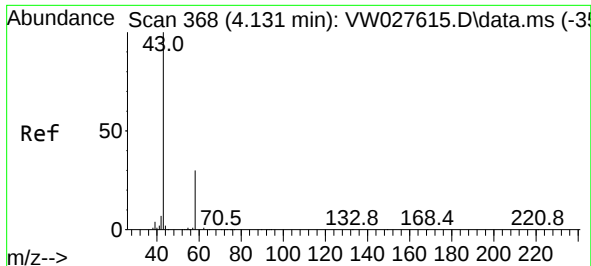
Tgt Ion:101 Resp: 142664
 Ion Ratio Lower Upper
 101 100
 85 44.5 33.9 50.9
 151 65.7 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 25.758 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW027619.D
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Tgt Ion: 96 Resp: 128681
 Ion Ratio Lower Upper
 96 100
 61 188.4 127.8 237.4
 63 138.4 104.9 194.7

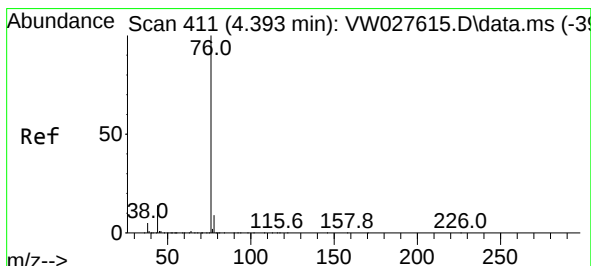
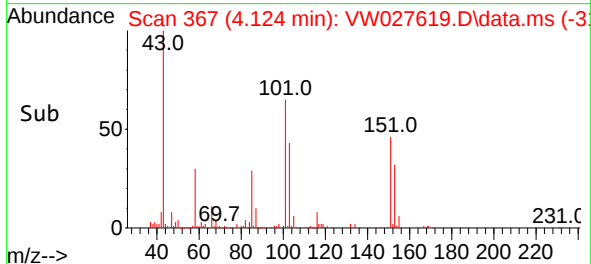
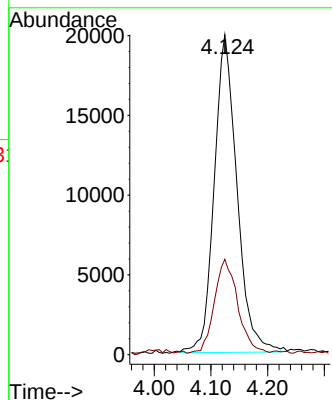
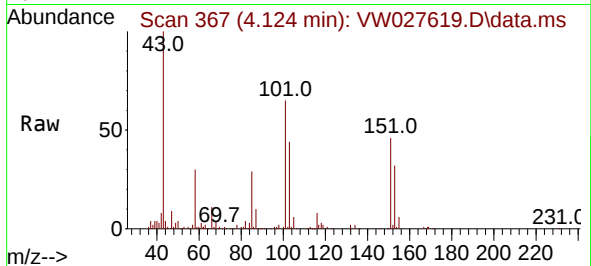




#13
Acetone
Concen: 31.130 ug/L
RT: 4.124 min Scan# 367
Delta R.T. -0.006 min
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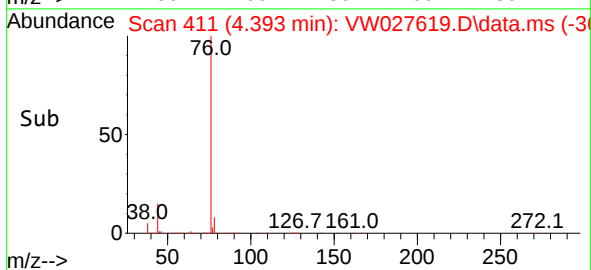
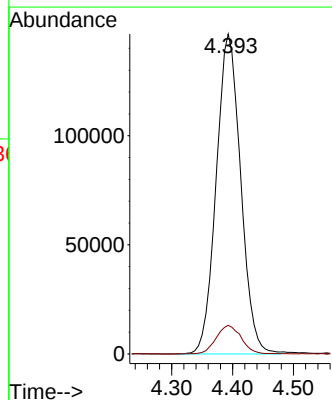
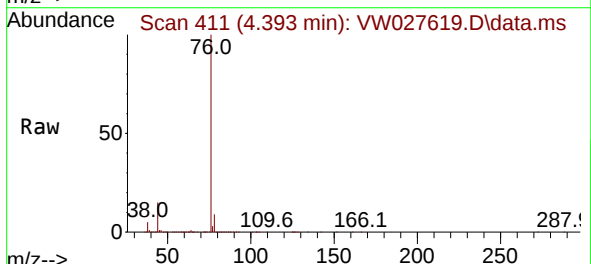
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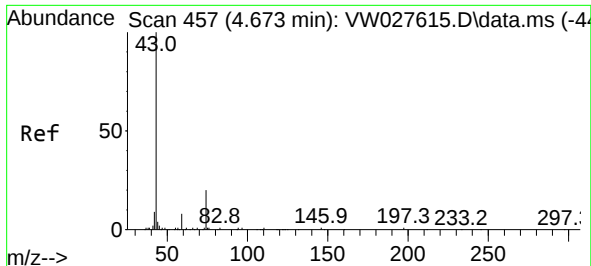
Tgt Ion: 43 Resp: 55425
Ion Ratio Lower Upper
43 100
58 30.4 0.0 60.0



#14
Carbon disulfide
Concen: 27.034 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 76 Resp: 408135
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.6

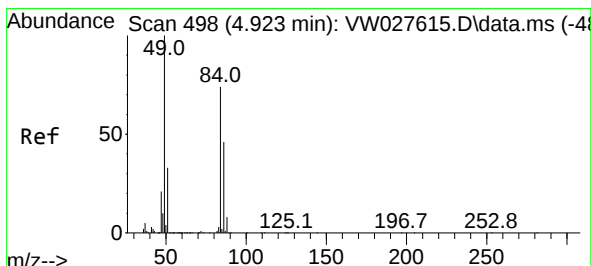
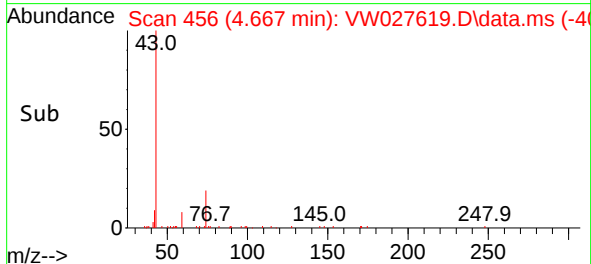
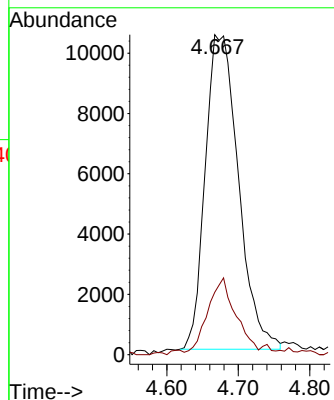
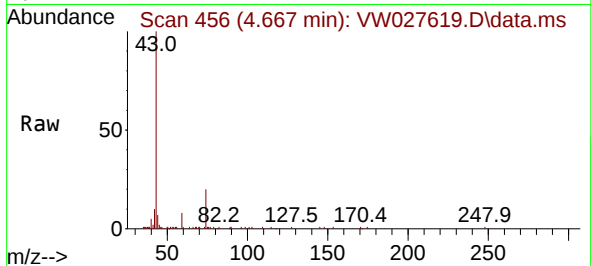




#15
Methyl Acetate
Concen: 10.813 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

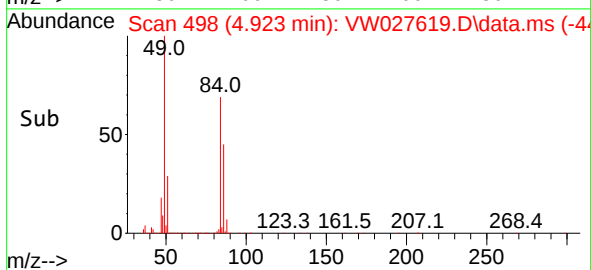
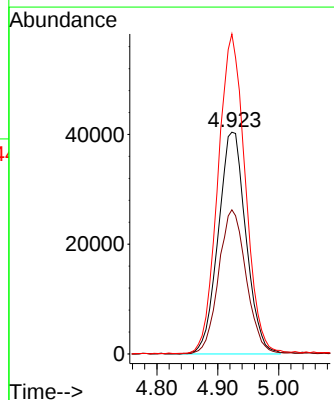
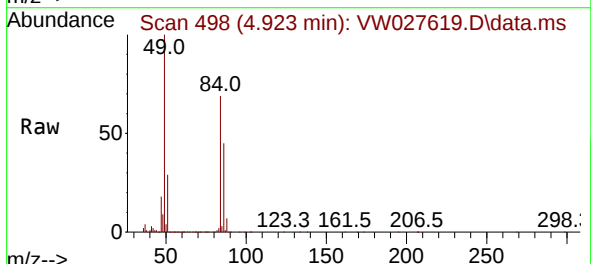
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

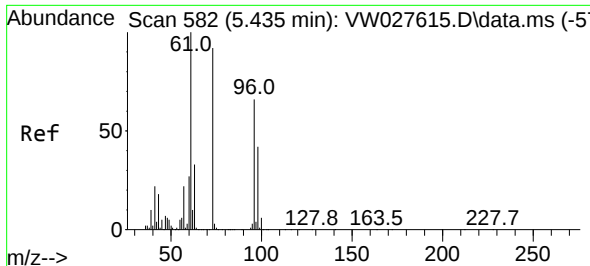
Tgt Ion: 43 Resp: 33647
Ion Ratio Lower Upper
43 100
74 20.4 16.8 25.2



#16
Methylene chloride
Concen: 22.339 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 84 Resp: 127591
Ion Ratio Lower Upper
84 100
86 65.0 47.7 88.7
49 144.3 97.4 181.0

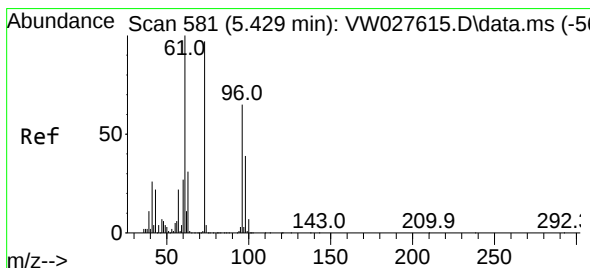
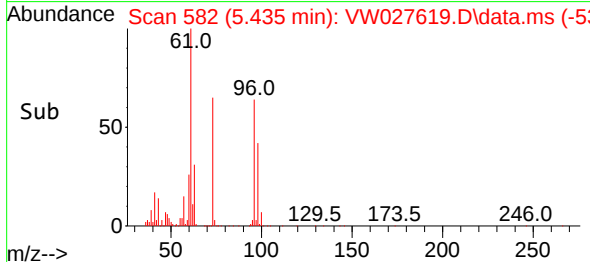
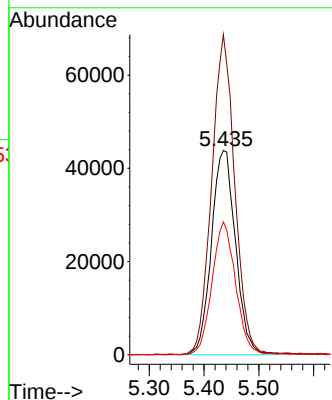
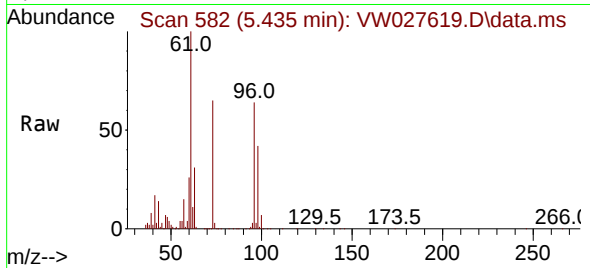




#17
trans-1,2-Dichloroethene
Concen: 25.993 ug/L
RT: 5.435 min Scan# 582
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

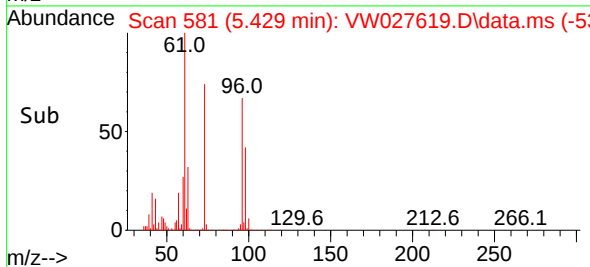
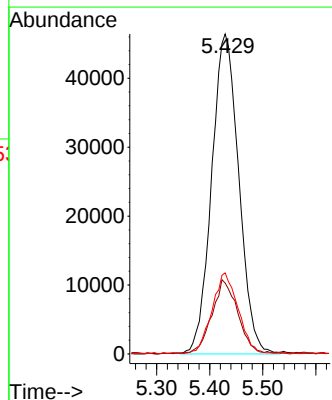
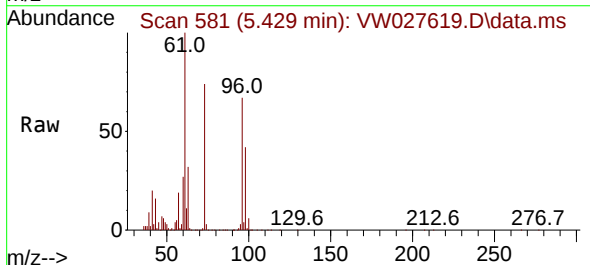
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

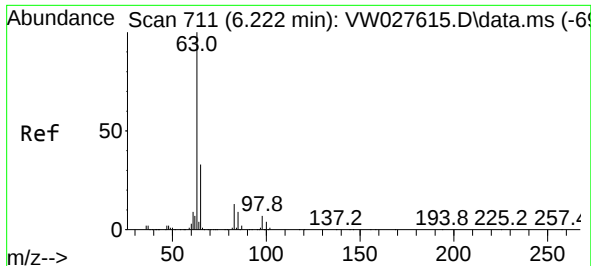
Tgt Ion: 96 Resp: 133899
Ion Ratio Lower Upper
96 100
61 156.7 109.6 203.6
98 65.0 41.9 77.7



#18
Methyl tert-butyl Ether
Concen: 19.885 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 73 Resp: 165225
Ion Ratio Lower Upper
73 100
43 21.6 17.8 26.6
57 24.2 19.9 29.9





#19

1,1-Dichloroethane

Concen: 25.983 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

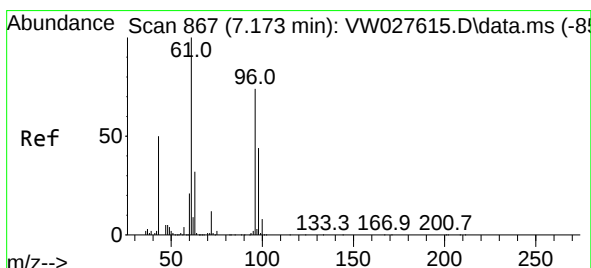
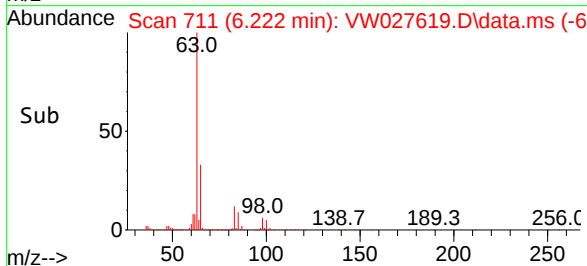
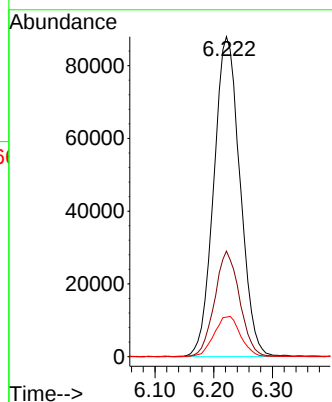
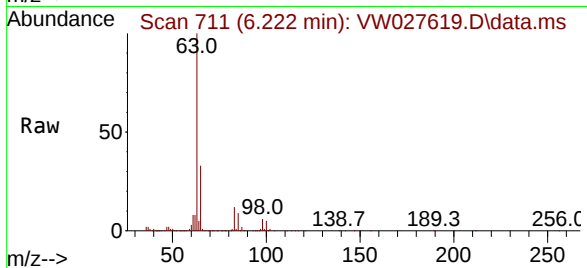
Tgt Ion: 63 Resp: 272195

Ion Ratio Lower Upper

63 100

65 33.0 22.0 40.8

83 12.4 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 23.892 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

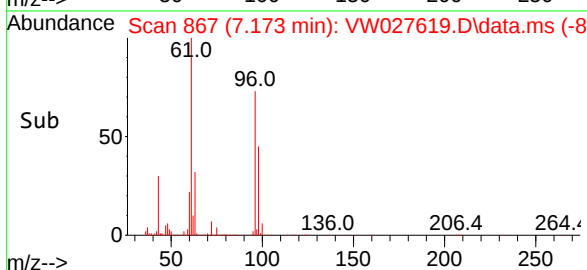
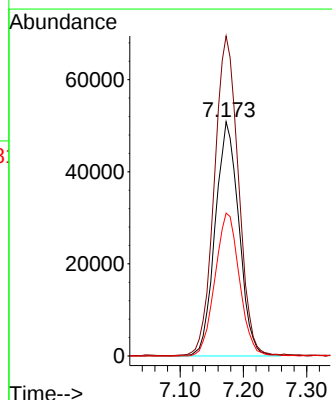
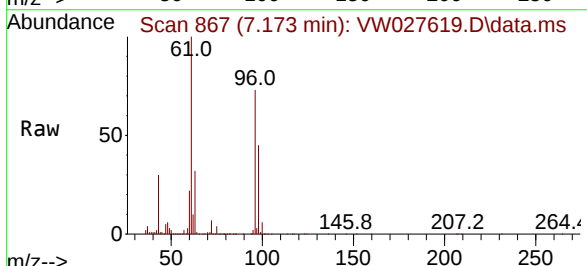
Tgt Ion: 96 Resp: 132175

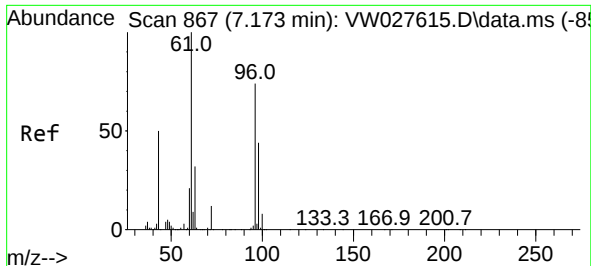
Ion Ratio Lower Upper

96 100

61 136.6 94.0 174.6

98 61.0 45.1 83.7

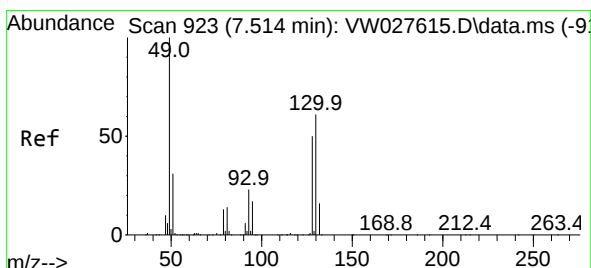
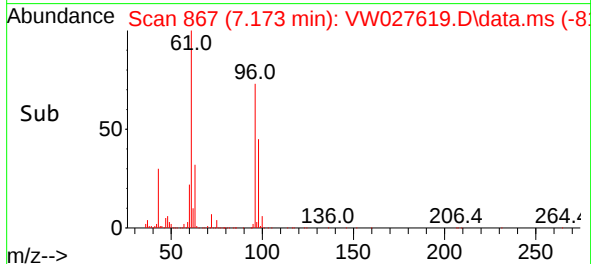
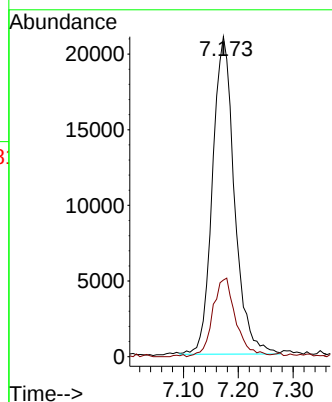
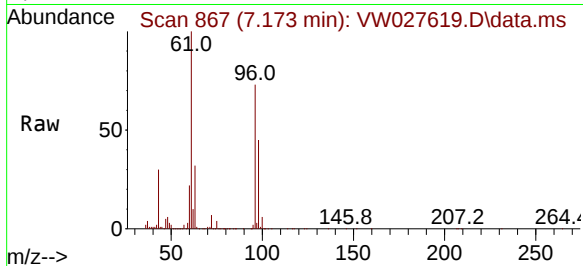




#22
2-Butanone
Concen: 25.405 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

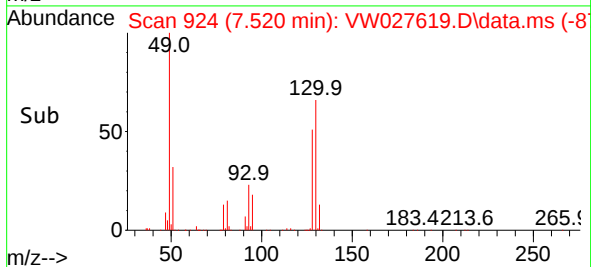
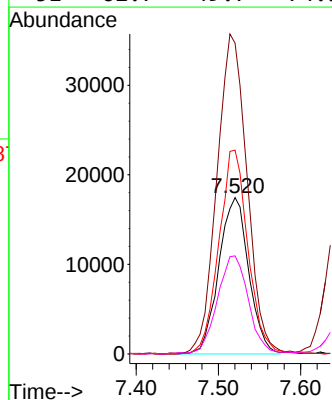
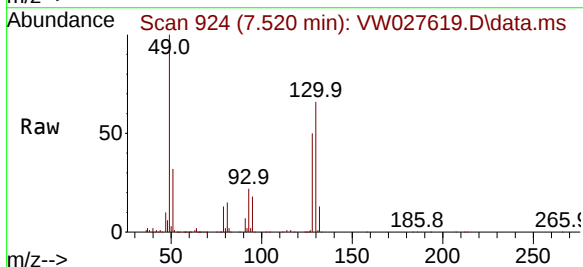
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

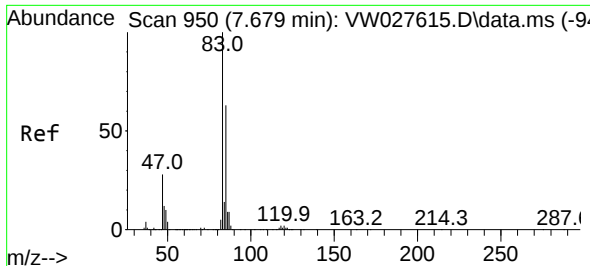
Tgt Ion: 43 Resp: 58355
Ion Ratio Lower Upper
43 100
72 25.5 11.9 35.9



#23
Bromochloromethane
Concen: 20.243 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 128 Resp: 44047
Ion Ratio Lower Upper
128 100
49 198.8 137.8 256.0
130 130.5 91.2 169.4
51 62.7 49.7 74.5

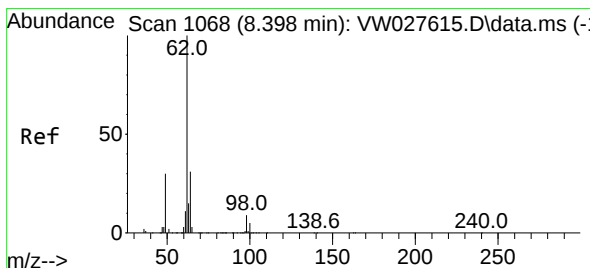
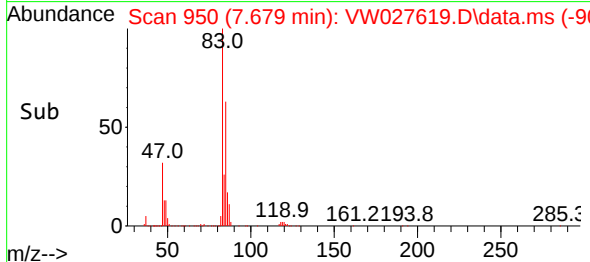
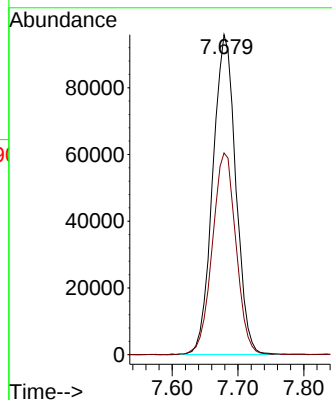
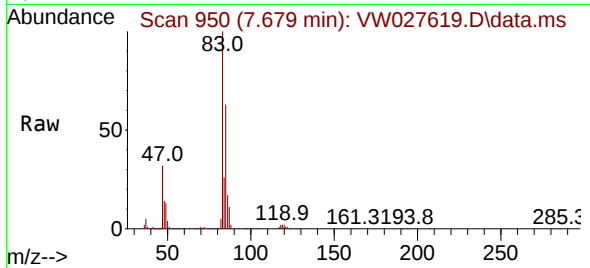




#25
Chloroform
Concen: 24.538 ug/L
RT: 7.679 min Scan# 910
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

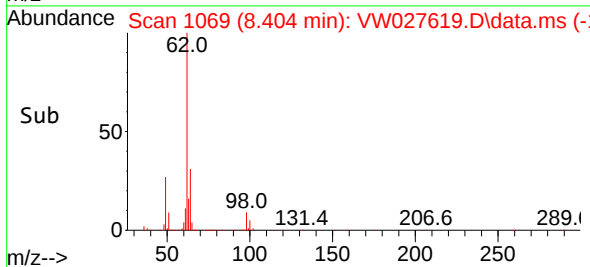
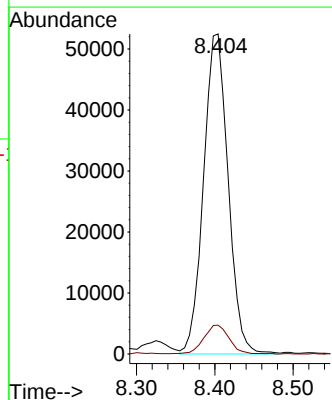
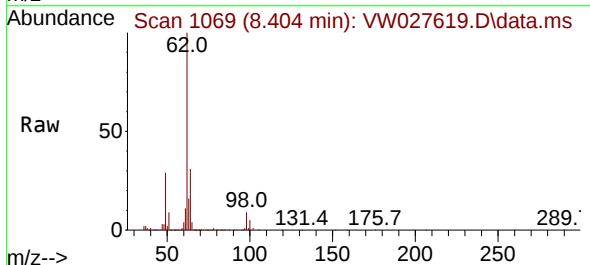
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

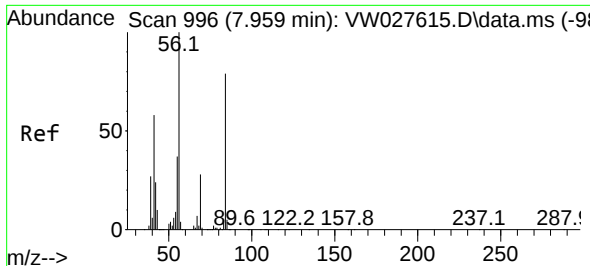
Tgt Ion: 83 Resp: 233410
Ion Ratio Lower Upper
83 100
85 63.0 49.8 92.6



#27
1,2-Dichloroethane
Concen: 18.595 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 62 Resp: 114319
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0

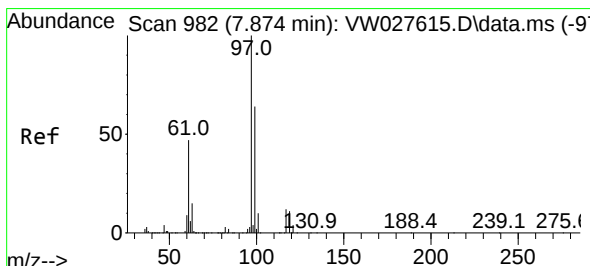
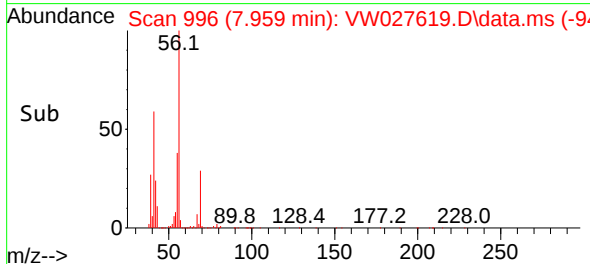
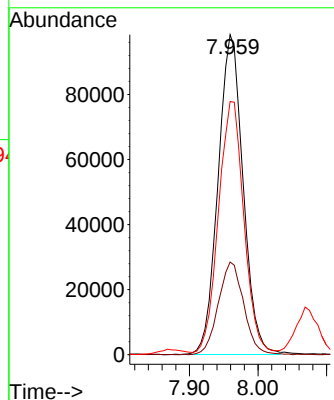
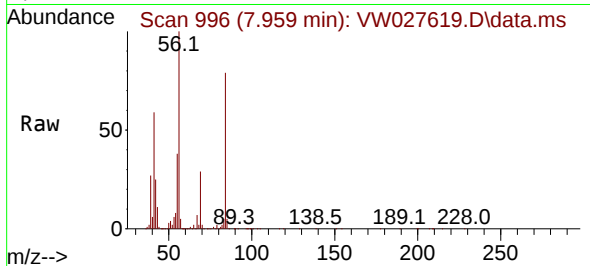




#29
Cyclohexane
Concen: 36.069 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

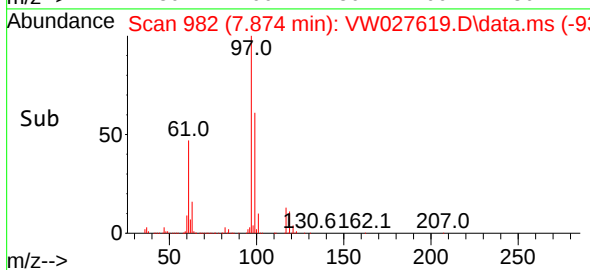
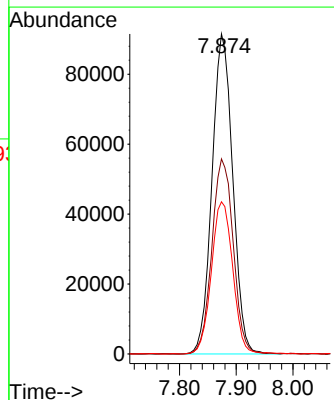
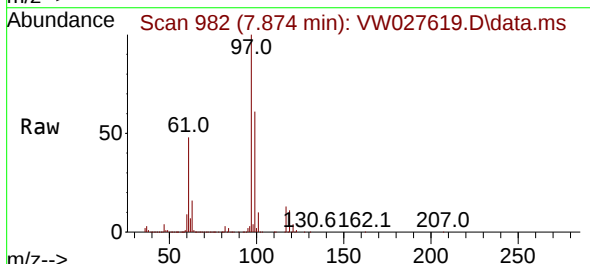
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

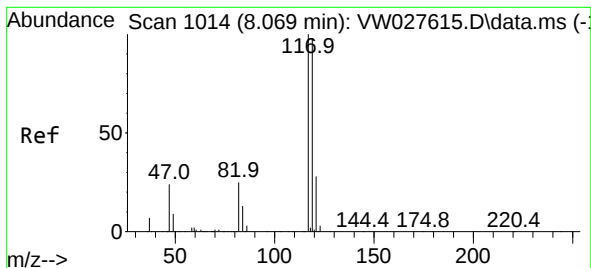
Tgt Ion: 56 Resp: 249161
Ion Ratio Lower Upper
56 100
69 29.3 24.1 36.1
84 80.7 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 39.689 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 97 Resp: 232634
Ion Ratio Lower Upper
97 100
99 62.7 50.5 75.7
61 49.0 39.0 58.4

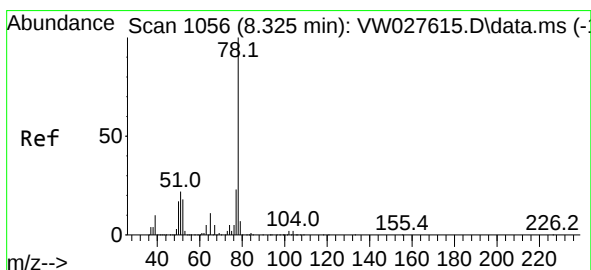
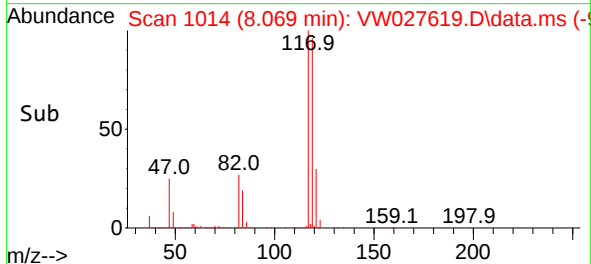
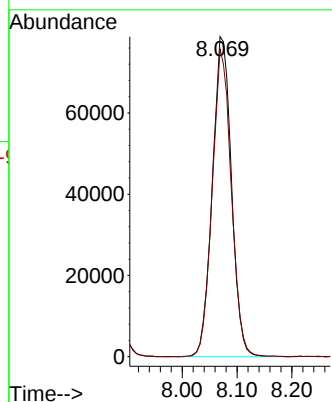
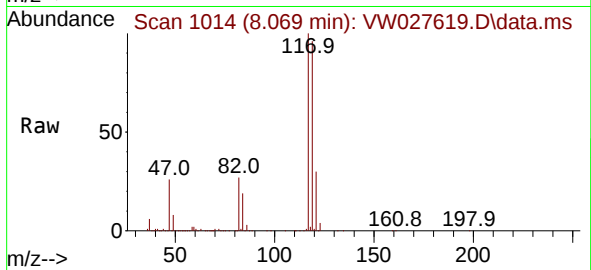




#31
Carbon tetrachloride
Concen: 37.237 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

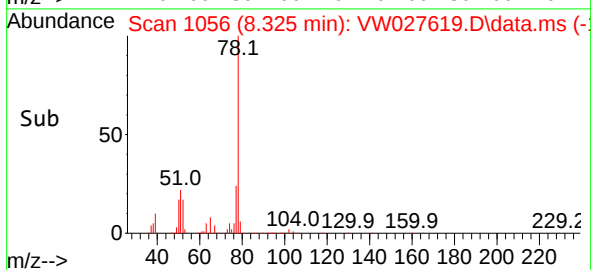
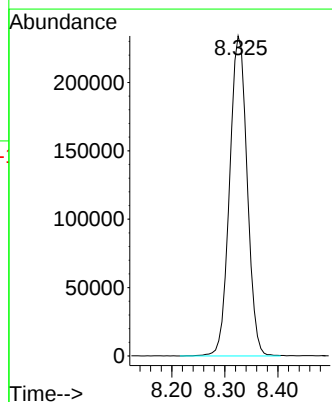
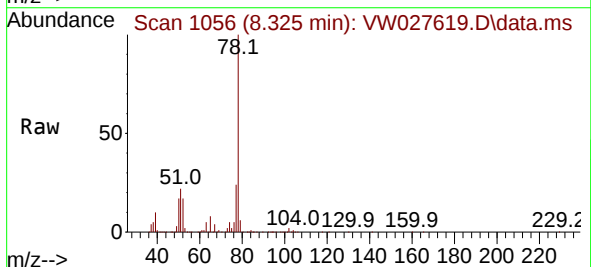
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

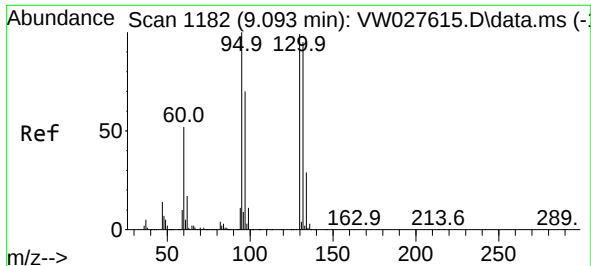
Tgt Ion:117 Resp: 190375
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.6



#33
Benzene
Concen: 37.068 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 78 Resp: 537558

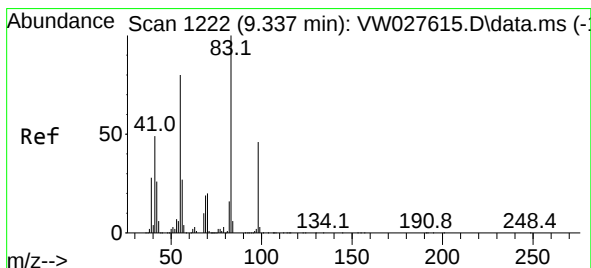
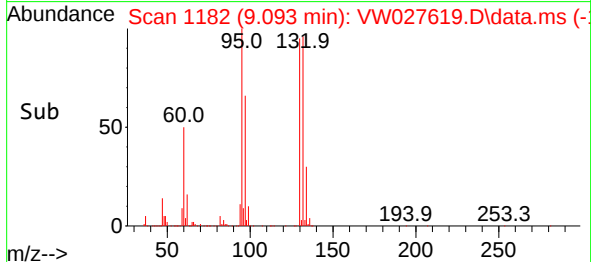
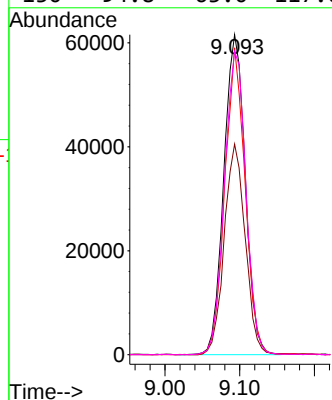
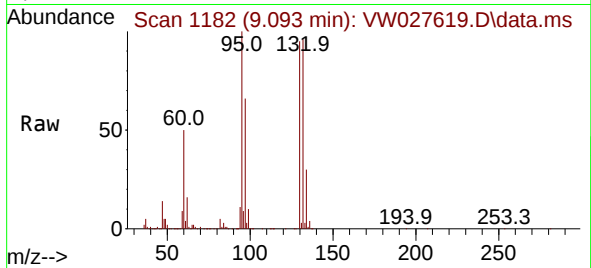




#34
Trichloroethene
Concen: 31.079 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

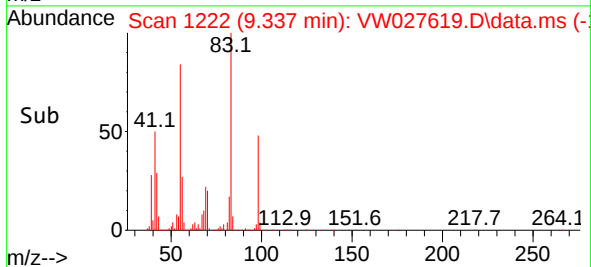
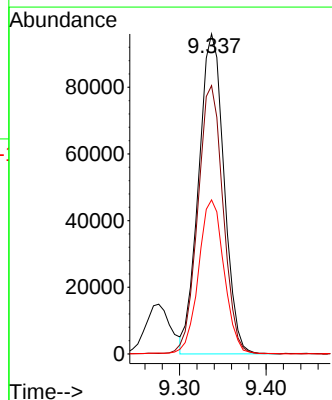
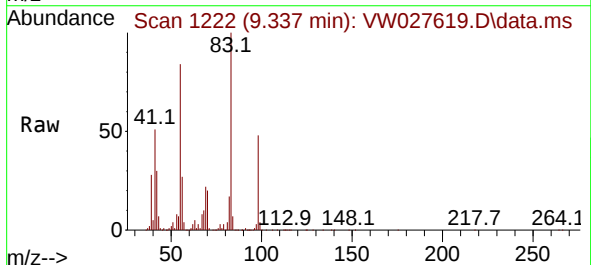
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

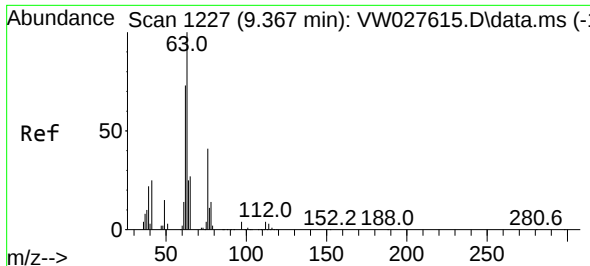
Tgt Ion: 95 Resp: 123110
Ion Ratio Lower Upper
95 100
97 65.8 43.0 80.0
132 95.9 64.1 119.1
130 94.8 63.0 117.0



#35
Methylcyclohexane
Concen: 27.684 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 83 Resp: 195262
Ion Ratio Lower Upper
83 100
55 83.4 65.6 98.4
98 48.5 38.3 57.5





#37

1,2-Dichloropropane

Concen: 33.268 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

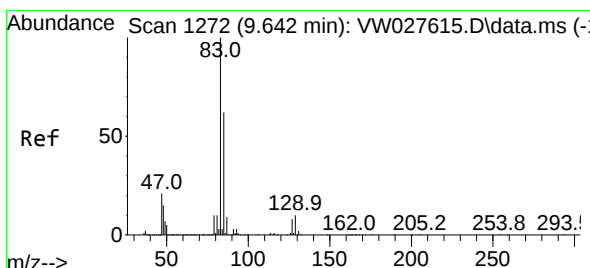
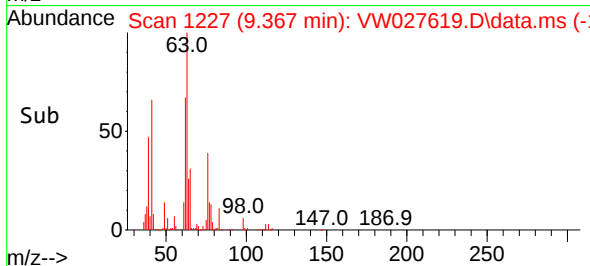
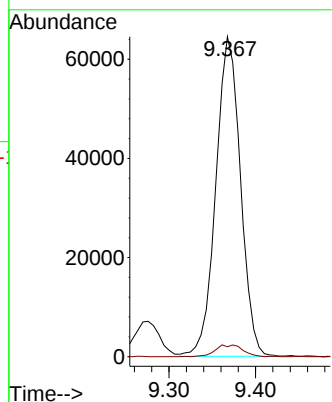
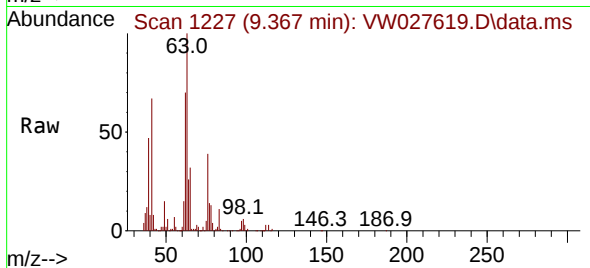
E0LQ8MS

Tgt Ion: 63 Resp: 127379

Ion Ratio Lower Upper

63 100

112 2.1 3.6 5.4#



#38

Bromodichloromethane

Concen: 29.998 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

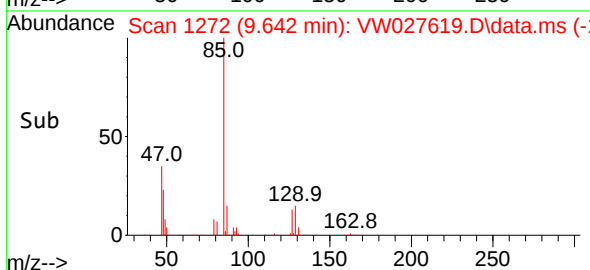
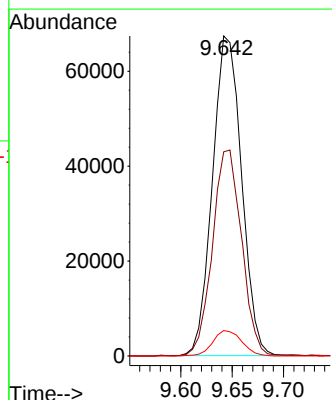
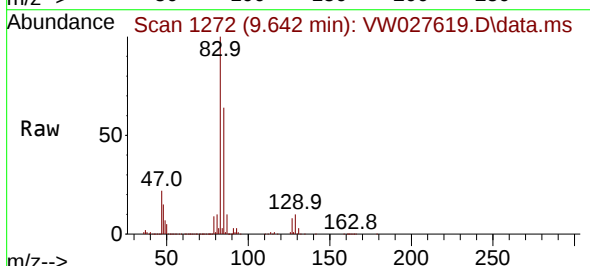
Tgt Ion: 83 Resp: 132784

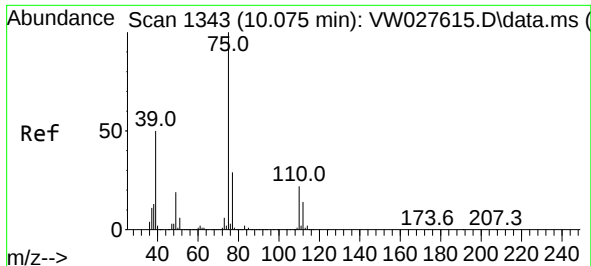
Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

127 7.9 5.3 7.9#





#39

cis-1,3-Dichloropropene

Concen: 27.137 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

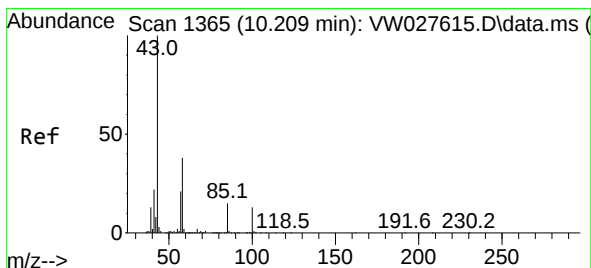
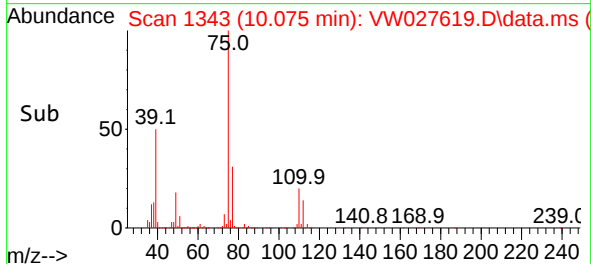
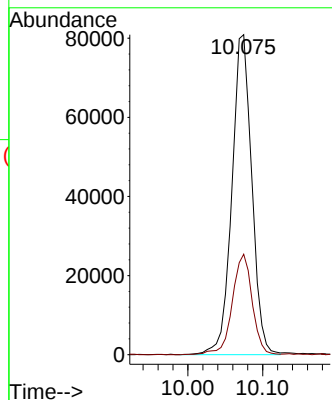
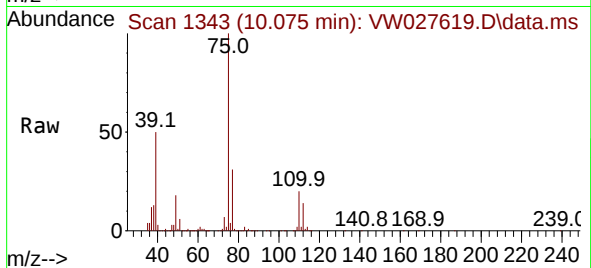
E0LQ8MS

Tgt Ion: 75 Resp: 149996

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 37.357 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

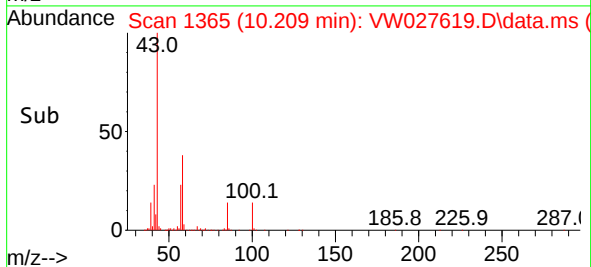
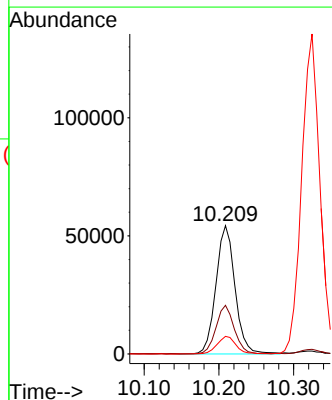
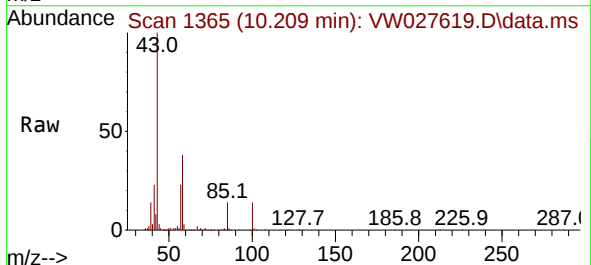
Tgt Ion: 43 Resp: 96685

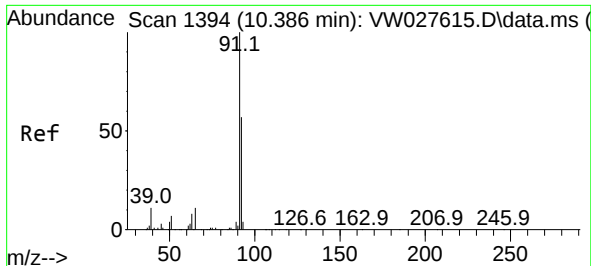
Ion Ratio Lower Upper

43 100

58 35.9 29.6 44.4

100 13.5 11.1 16.7

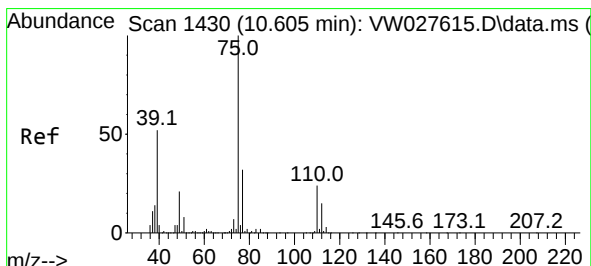
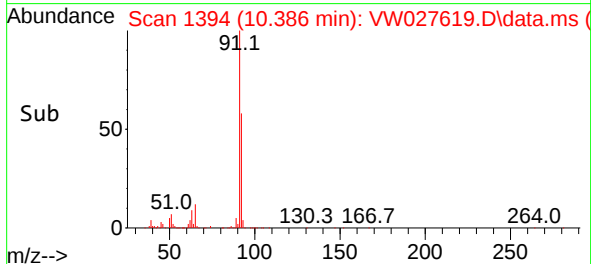
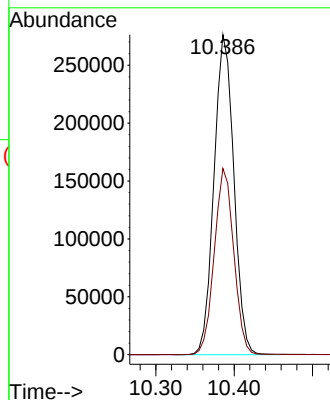
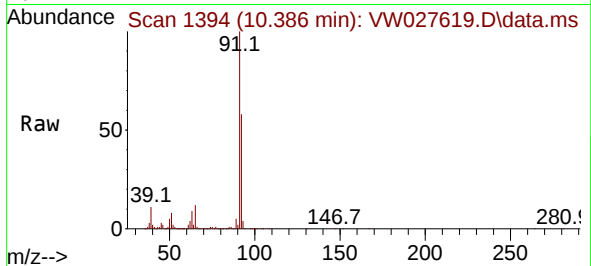




#42
Toluene
Concen: 31.723 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

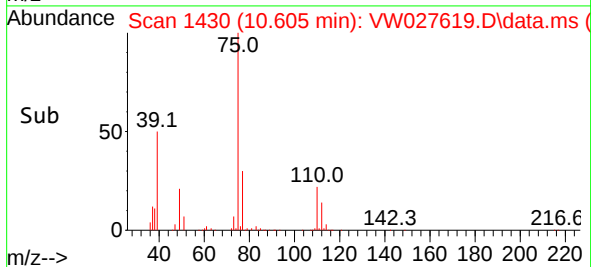
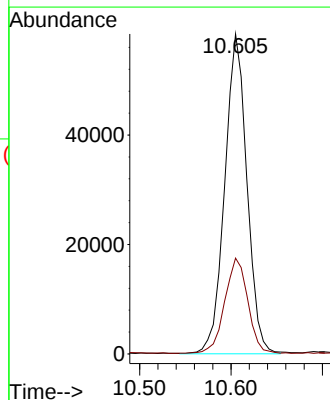
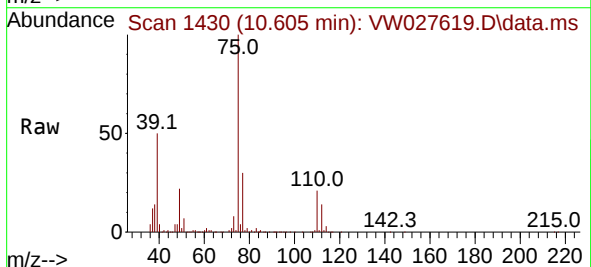
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

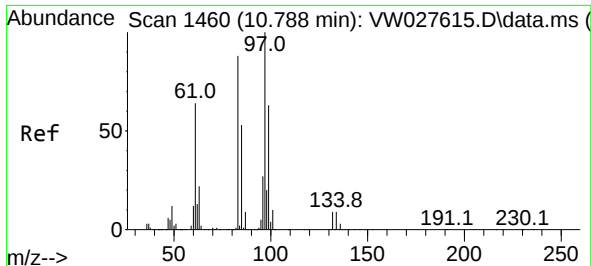
Tgt Ion: 91 Resp: 486581
Ion Ratio Lower Upper
91 100
92 58.2 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 22.139 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 75 Resp: 98717
Ion Ratio Lower Upper
75 100
77 30.0 23.7 44.1



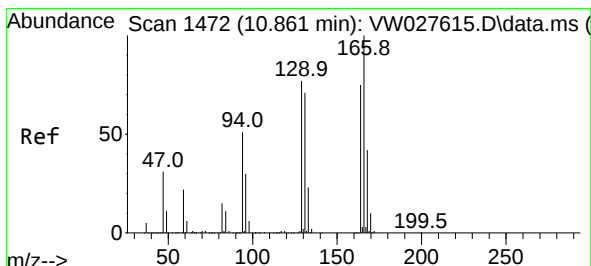
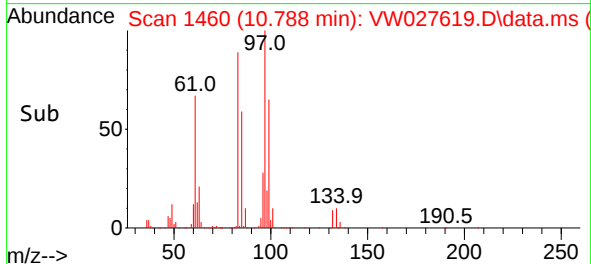
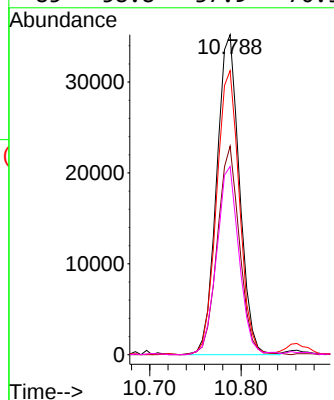
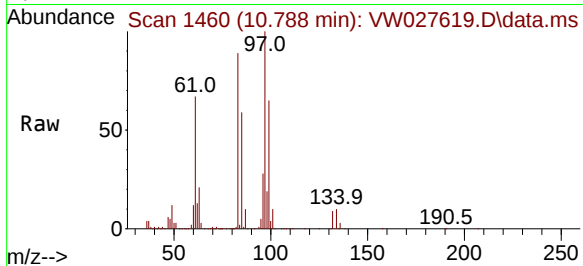


#45
1,1,2-Trichloroethane
Concen: 22.897 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

Tgt Ion: 97 Resp: 61057

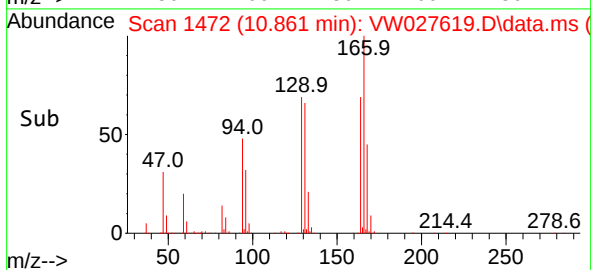
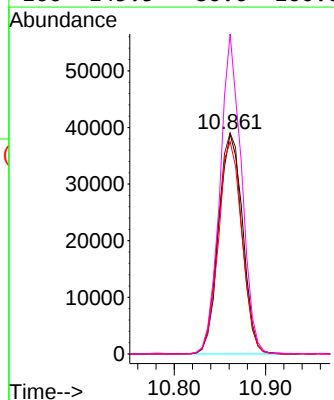
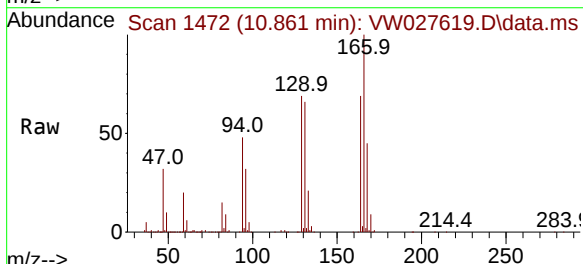
Ion	Ratio	Lower	Upper
97	100		
99	65.2	42.8	79.4
83	88.8	59.9	111.3
85	58.8	37.9	70.5

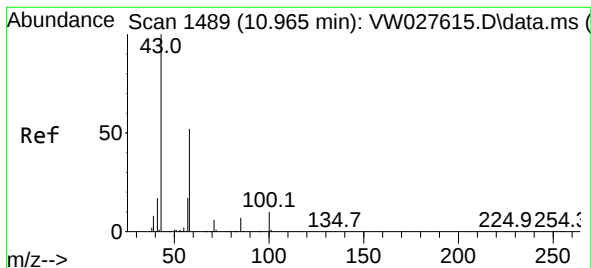


#46
Tetrachloroethene
Concen: 25.016 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion: 164 Resp: 70644

Ion	Ratio	Lower	Upper
164	100		
129	100.6	71.0	131.8
131	96.5	61.2	113.6
166	145.5	86.6	160.8





#48

2-Hexanone

Concen: 38.588 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

Tgt Ion: 43 Resp: 70386

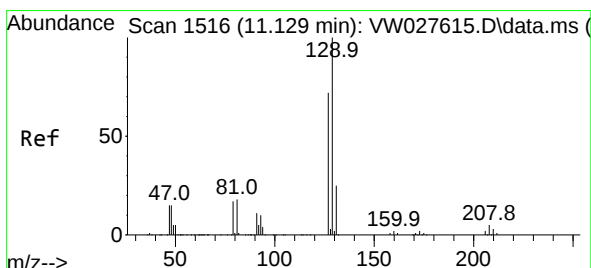
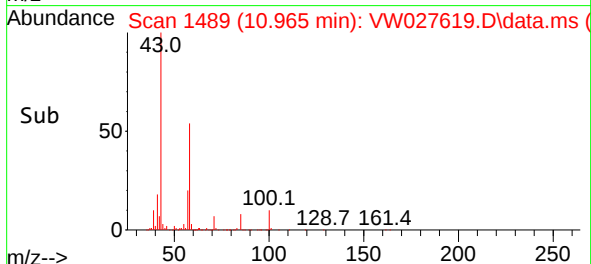
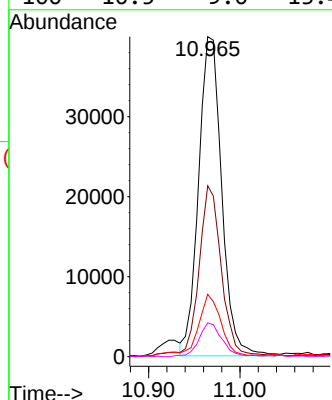
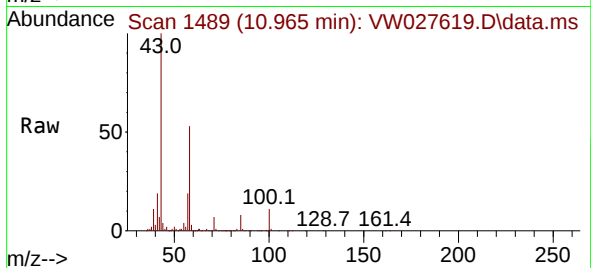
Ion Ratio Lower Upper

43 100

58 50.5 40.8 61.2

57 17.6 14.8 22.2

100 10.5 9.0 13.4



#49

Dibromochloromethane

Concen: 23.410 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW027619.D

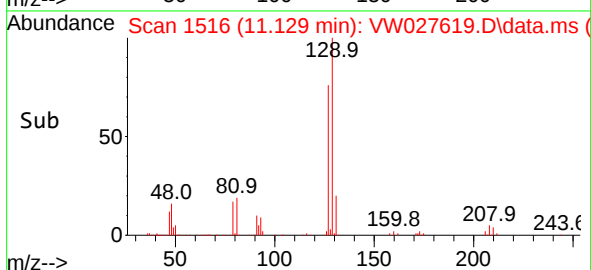
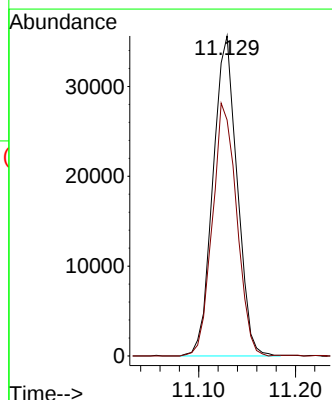
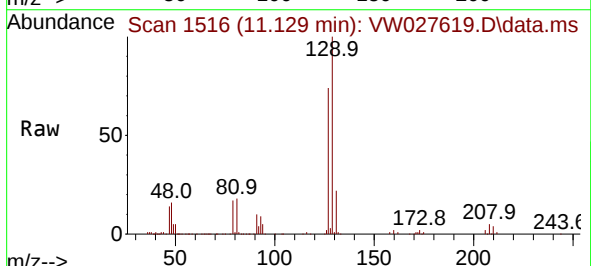
Acq: 14 Dec 2023 10:56

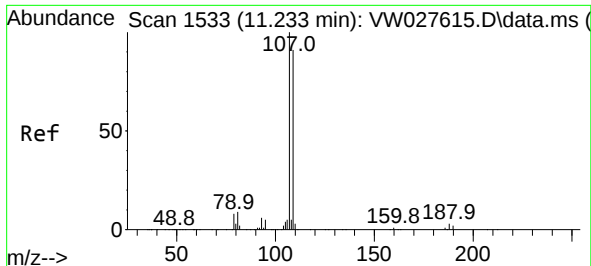
Tgt Ion: 129 Resp: 61706

Ion Ratio Lower Upper

129 100

127 73.8 52.3 97.1

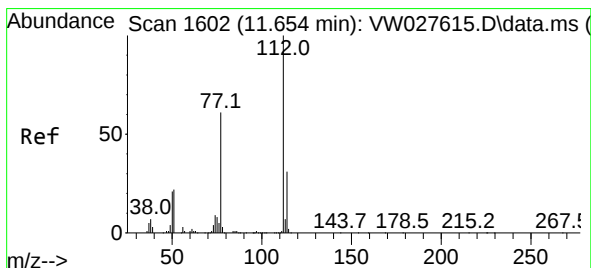
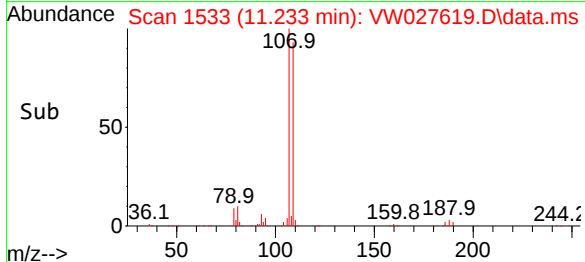
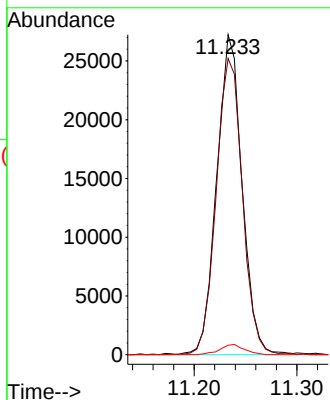
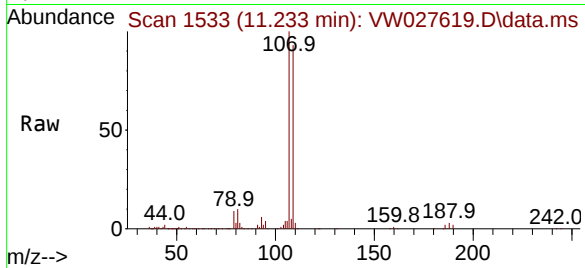




#50
1,2-Dibromoethane
Concen: 19.051 ug/L
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

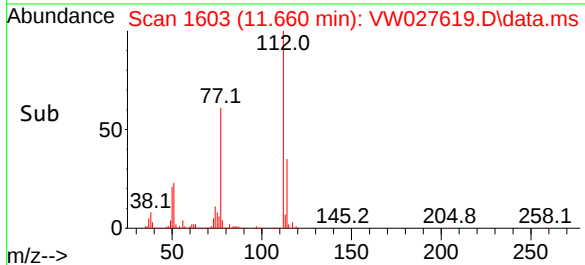
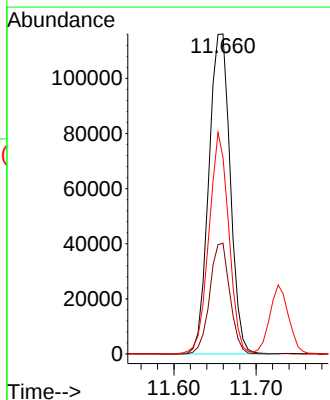
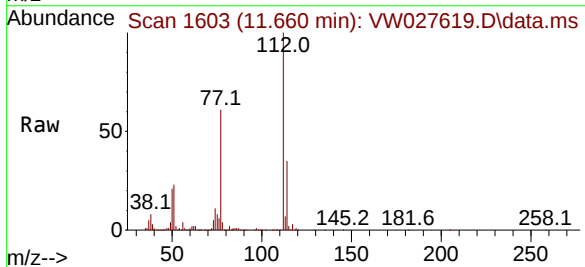
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

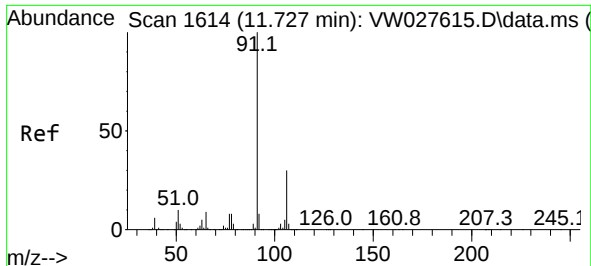
Tgt Ion:107 Resp: 46478
Ion Ratio Lower Upper
107 100
109 92.5 64.8 120.3
188 2.9 2.7 4.1



#51
Chlorobenzene
Concen: 22.741 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion:112 Resp: 210433
Ion Ratio Lower Upper
112 100
114 34.6 21.5 39.9
77 61.4 50.6 76.0

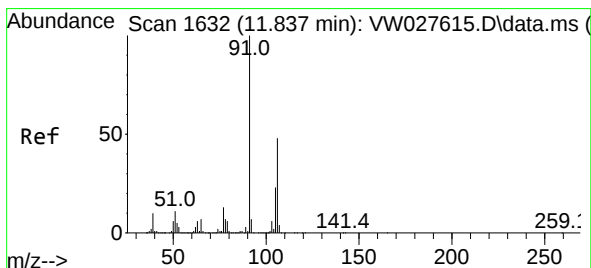
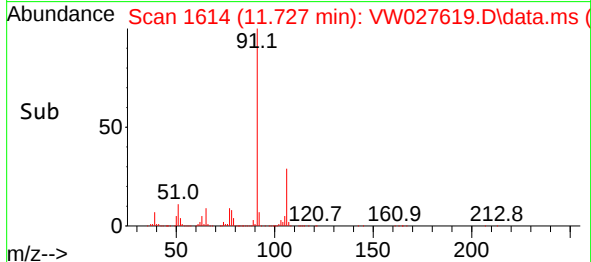
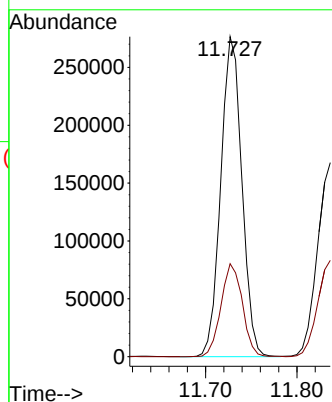
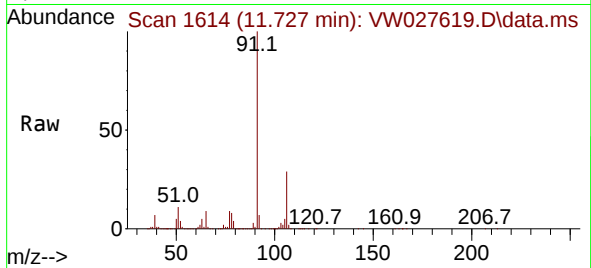




#52
Ethylbenzene
Concen: 25.487 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

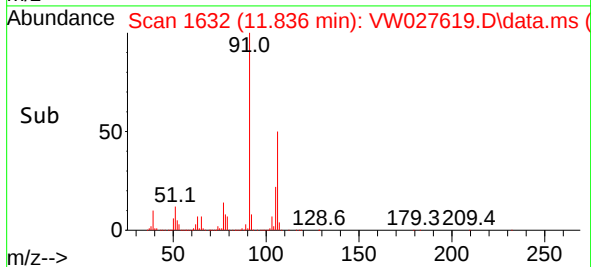
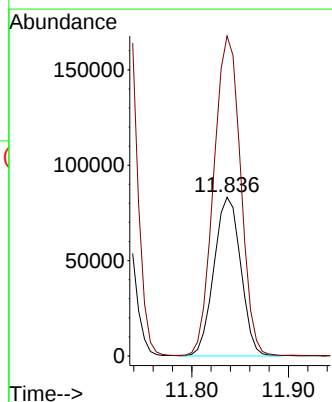
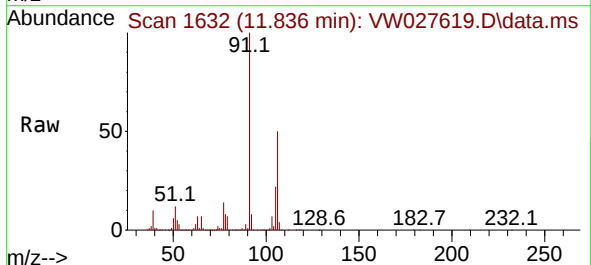
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

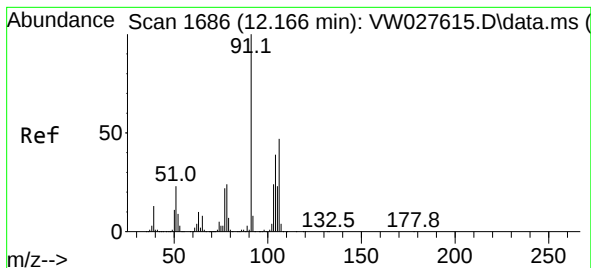
Tgt Ion: 91 Resp: 444071
Ion Ratio Lower Upper
91 100
106 29.0 19.5 36.1



#53
m,p-Xylene
Concen: 24.923 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion:106 Resp: 160011
Ion Ratio Lower Upper
106 100
91 201.5 142.1 263.9





#54

o-Xylene

Concen: 28.112 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

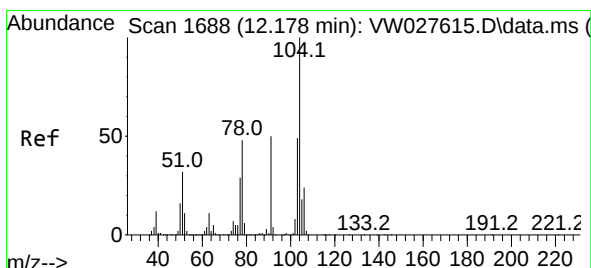
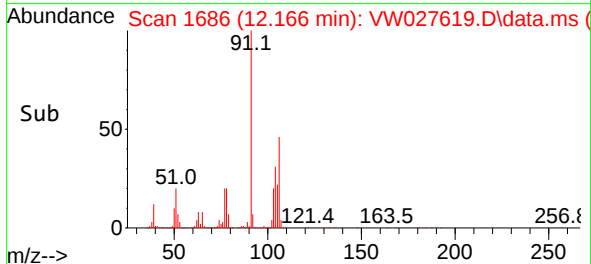
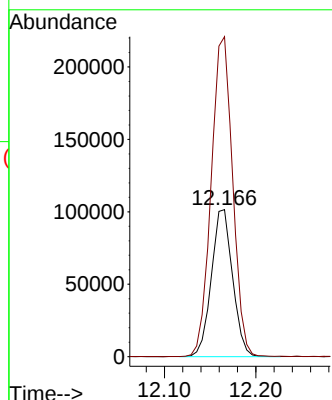
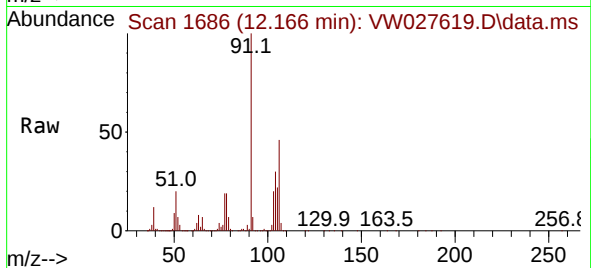
E0LQ8MS

Tgt Ion:106 Resp: 164037

Ion Ratio Lower Upper

106 100

91 217.7 158.8 295.0



#55

Styrene

Concen: 21.138 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW027619.D

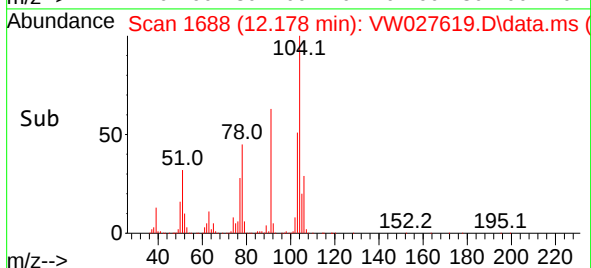
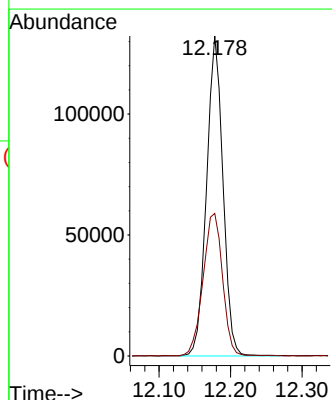
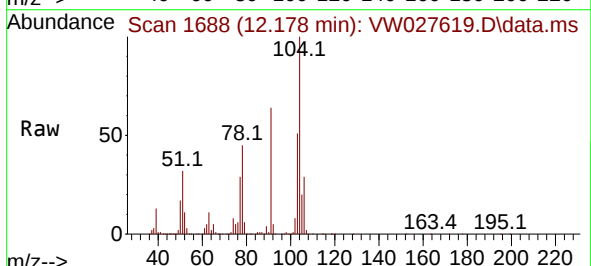
Acq: 14 Dec 2023 10:56

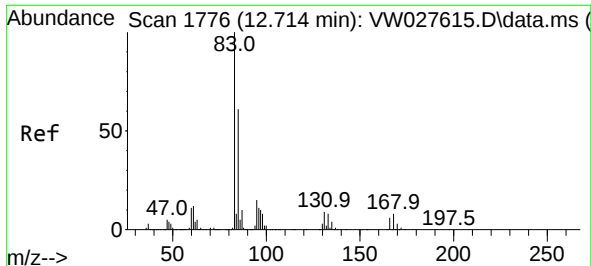
Tgt Ion:104 Resp: 210529

Ion Ratio Lower Upper

104 100

78 44.6 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 17.718 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

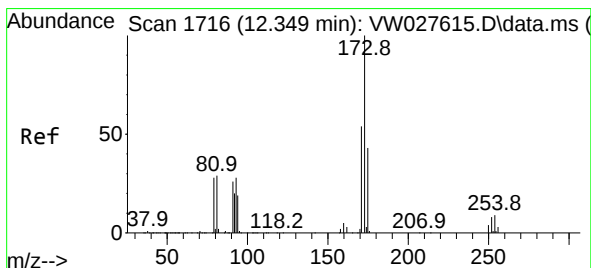
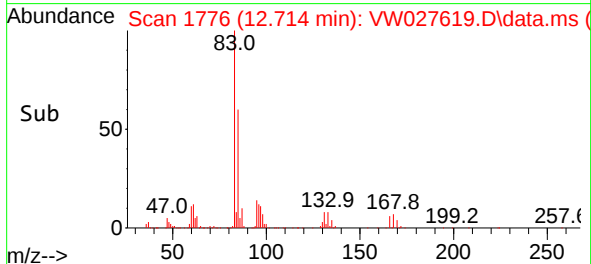
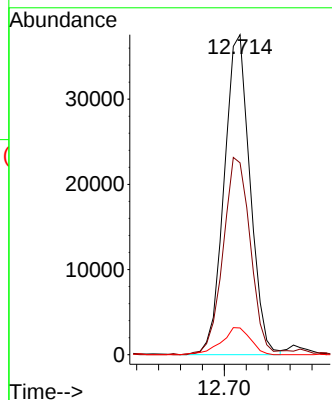
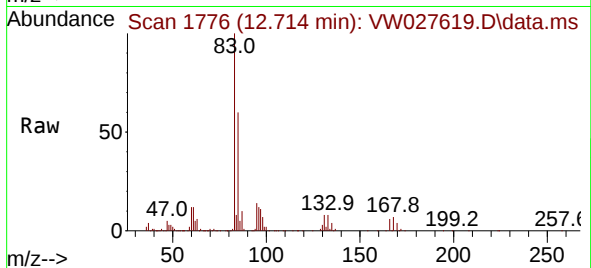
Tgt Ion: 83 Resp: 61507

Ion Ratio Lower Upper

83 100

85 60.0 41.9 77.7

131 8.3 7.0 10.6



#59

Bromoform

Concen: 37.550 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

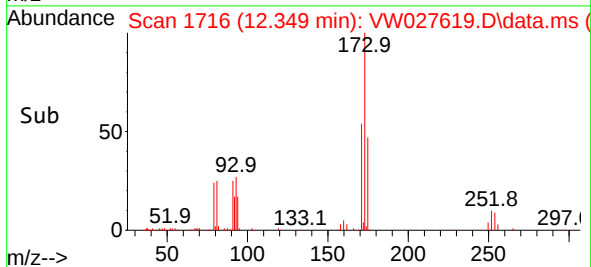
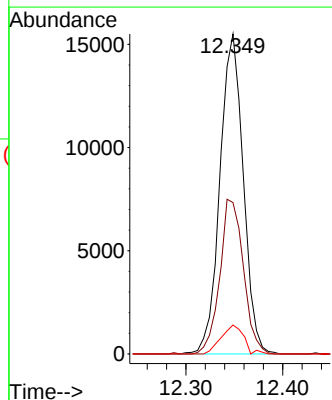
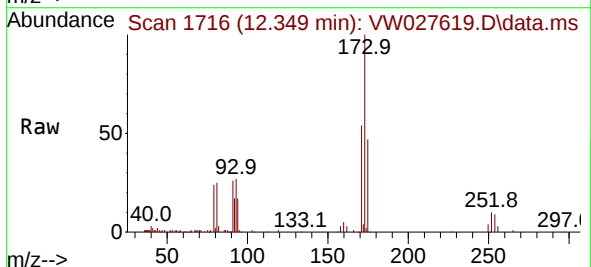
Tgt Ion: 173 Resp: 25928

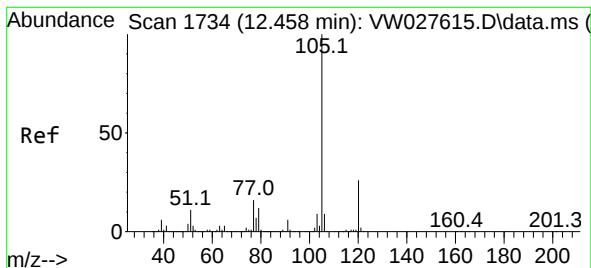
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

254 8.4 7.8 11.8





#60

Isopropylbenzene

Concen: 51.921 ug/L

RT: 12.464 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

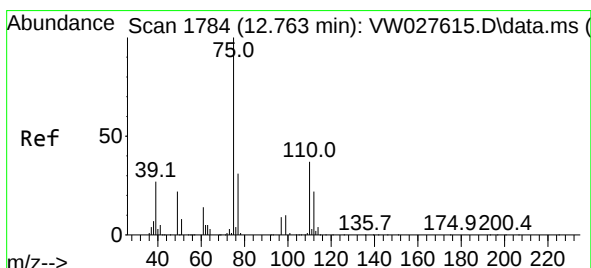
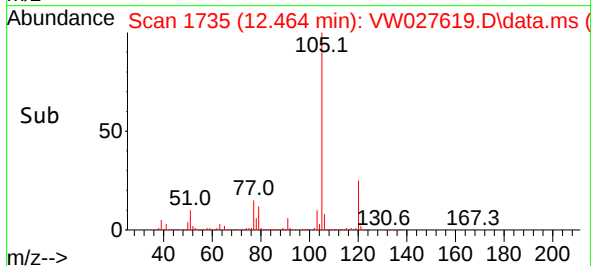
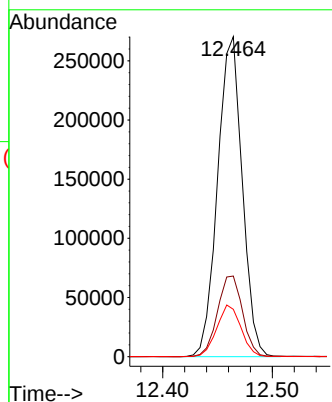
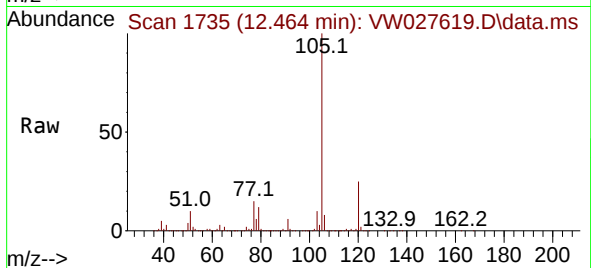
Tgt Ion:105 Resp: 422636

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 15.8 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 36.408 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

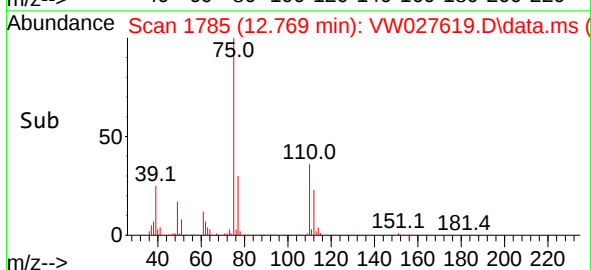
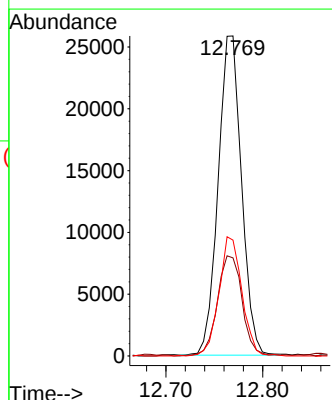
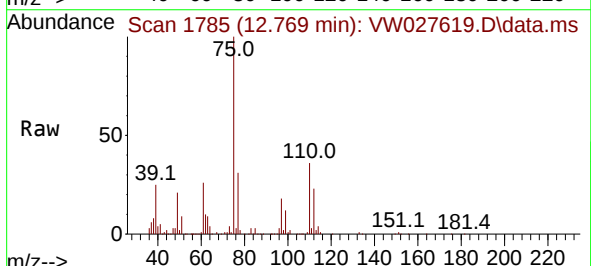
Tgt Ion: 75 Resp: 43294

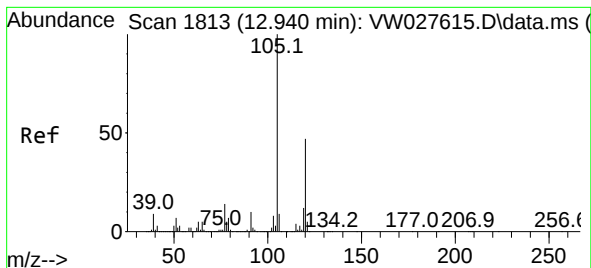
Ion Ratio Lower Upper

75 100

77 33.4 26.6 39.8

110 36.6 30.2 45.4





#62

1,3,5-Trimethylbenzene

Concen: 46.782 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

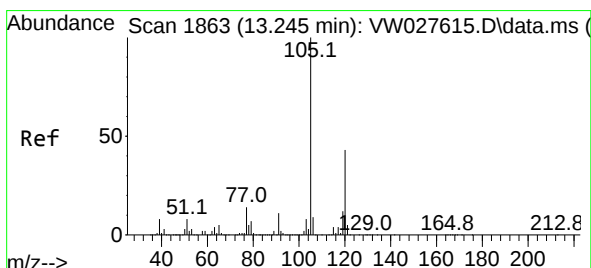
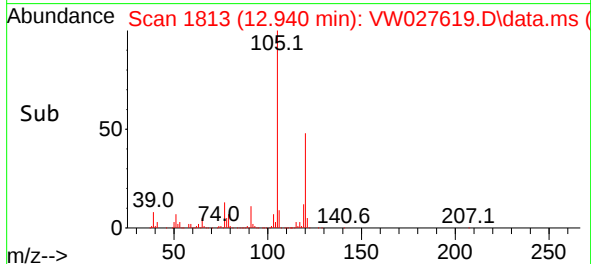
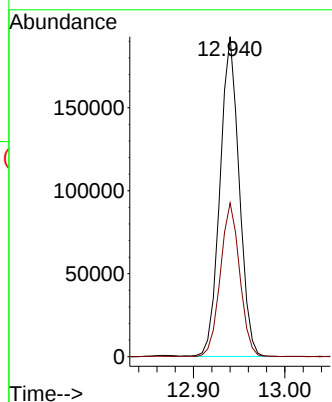
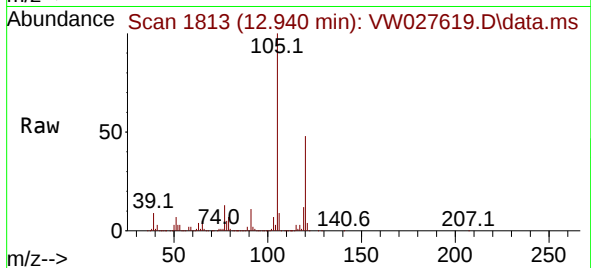
E0LQ8MS

Tgt Ion:105 Resp: 281650

Ion Ratio Lower Upper

105 100

120 48.4 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 40.828 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027619.D

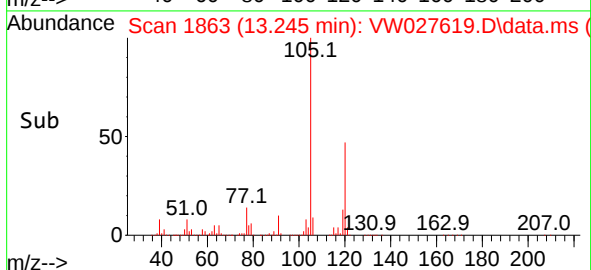
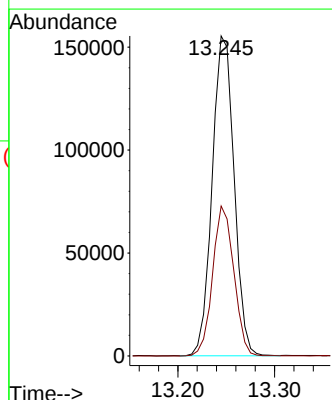
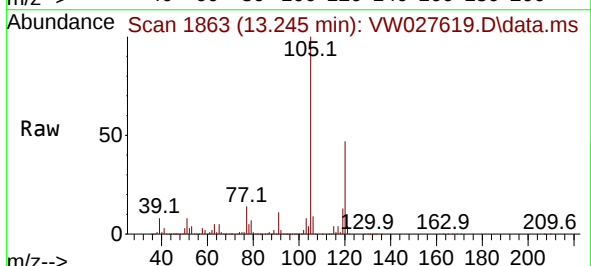
Acq: 14 Dec 2023 10:56

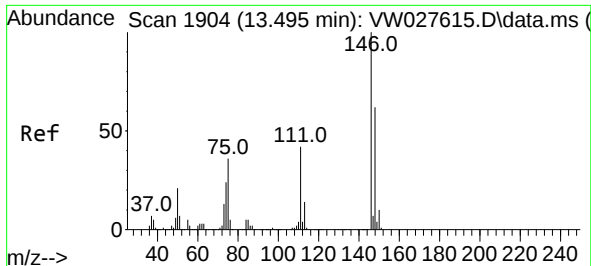
Tgt Ion:105 Resp: 244809

Ion Ratio Lower Upper

105 100

120 45.3 36.9 55.3

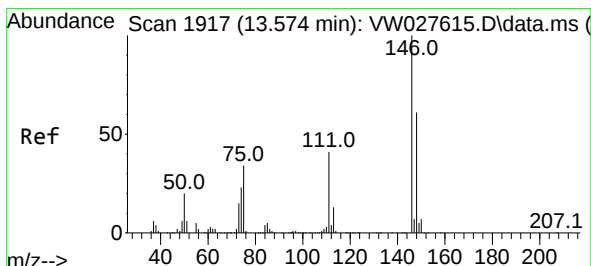
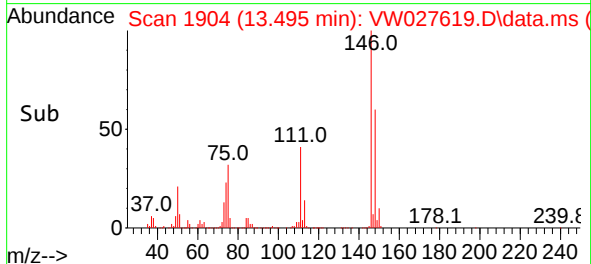
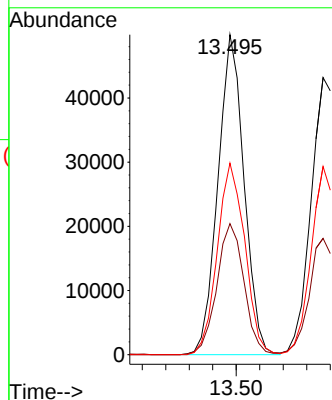
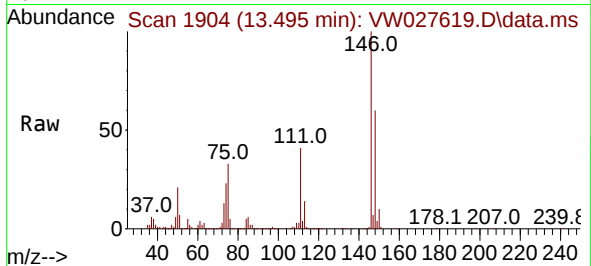




#64
1,3-Dichlorobenzene
Concen: 24.739 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

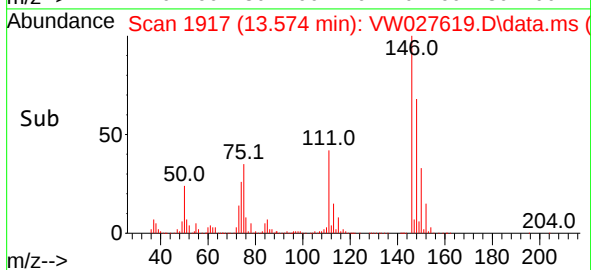
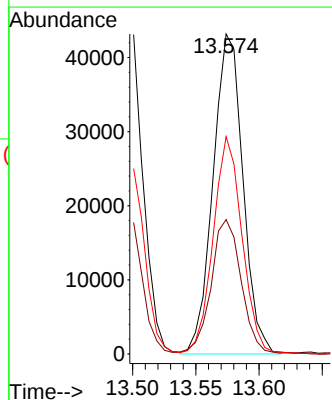
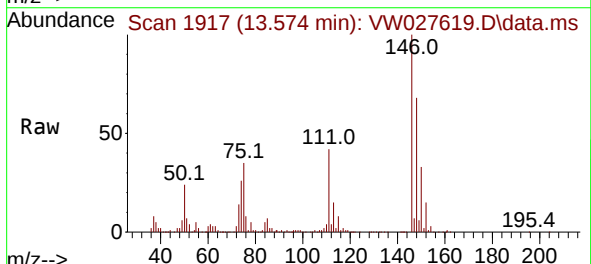
Instrument :
MSVOA_W
ClientSampleId :
E0LQ8MS

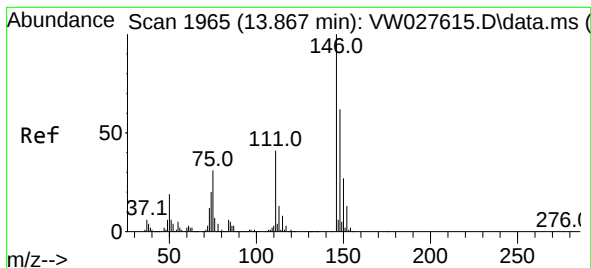
Tgt Ion:146 Resp: 77135
Ion Ratio Lower Upper
146 100
111 41.0 29.5 54.7
148 59.9 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 22.819 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027619.D
Acq: 14 Dec 2023 10:56

Tgt Ion:146 Resp: 70968
Ion Ratio Lower Upper
146 100
111 42.0 28.9 53.7
148 67.9 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 24.600 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

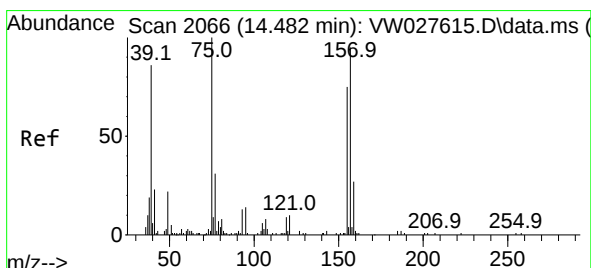
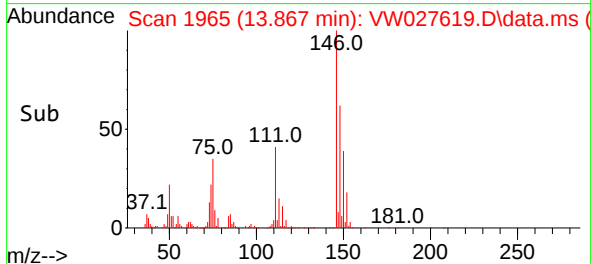
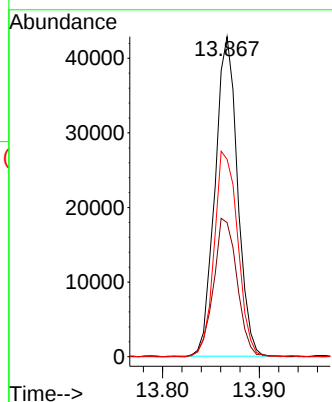
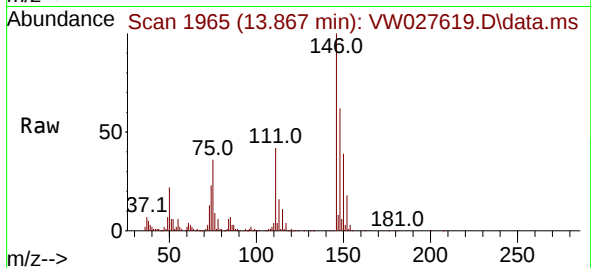
Tgt Ion:146 Resp: 69102

Ion Ratio Lower Upper

146 100

111 41.9 33.9 50.9

148 61.7 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 24.610 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

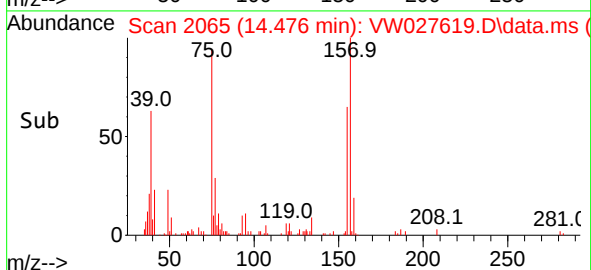
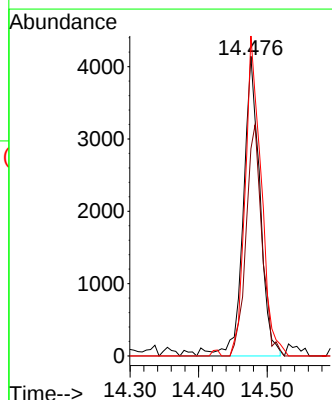
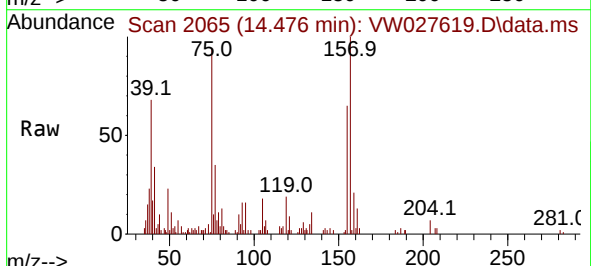
Tgt Ion: 75 Resp: 7039

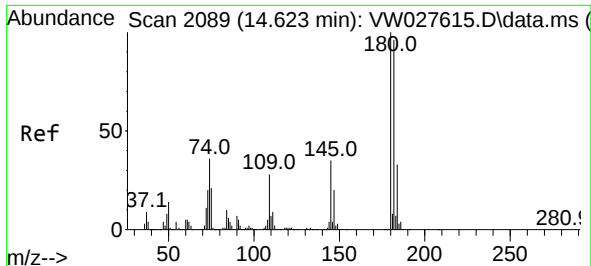
Ion Ratio Lower Upper

75 100

155 69.1 65.8 98.8

157 106.8 63.0 94.6#





#69

1,3,5-Trichlorobenzene

Concen: 15.505 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

Tgt Ion:180 Resp: 32508

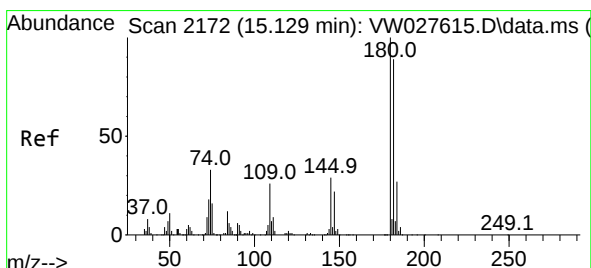
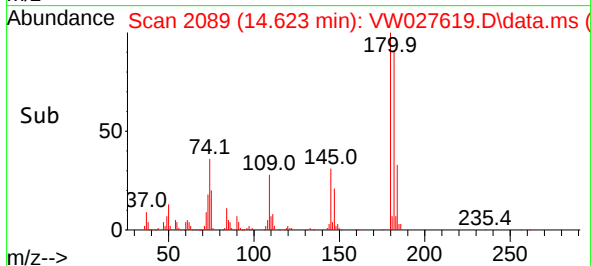
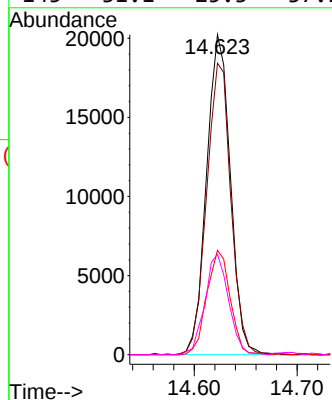
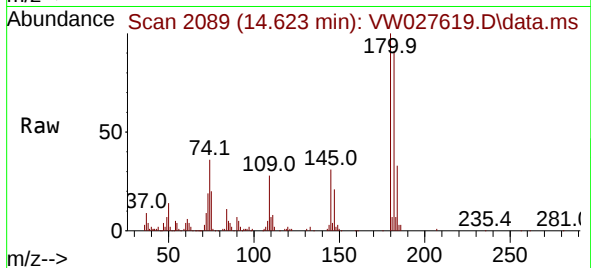
Ion Ratio Lower Upper

180 100

182 92.8 73.2 109.8

184 32.1 25.4 38.2

145 31.1 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 9.932 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

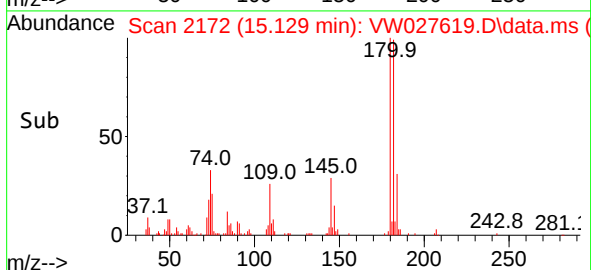
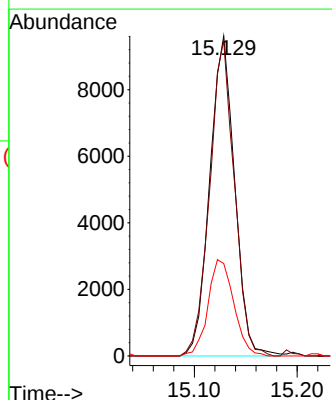
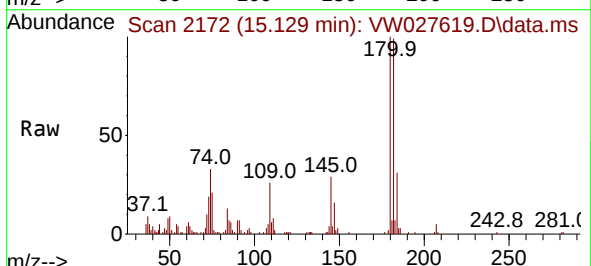
Tgt Ion:180 Resp: 16171

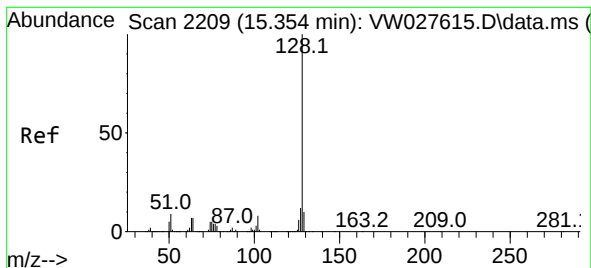
Ion Ratio Lower Upper

180 100

182 97.5 78.7 118.1

145 31.2 26.8 40.2





#71

Naphthalene

Concen: 13.868 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Instrument :

MSVOA_W

ClientSampleId :

E0LQ8MS

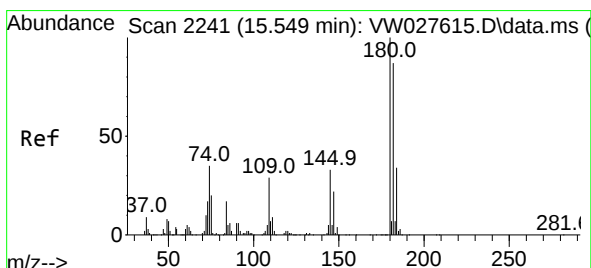
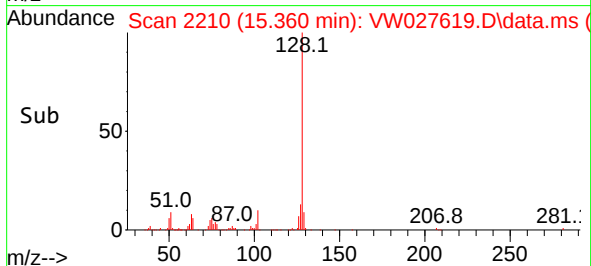
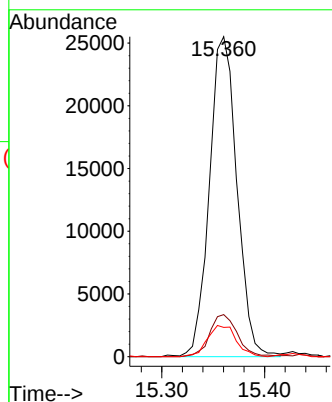
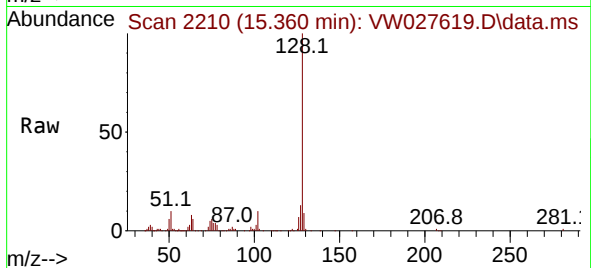
Tgt Ion:128 Resp: 47492

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.2 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 9.698 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW027619.D

Acq: 14 Dec 2023 10:56

Tgt Ion:180 Resp: 13526

Ion Ratio Lower Upper

180 100

182 100.3 72.4 108.6

145 37.3 27.4 41.0

