

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
 Data File : VW027415.D
 Acq On : 24 Oct 2023 14:30
 Operator : SY/MD
 Sample : 04961-10MSDRE
 Misc : 6.47g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 01:31:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 25 01:28:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	465450	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	260680	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	50275	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	193704	27.269	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.080%	
7) Chloroethane-d5	2.893	69	156218	30.628	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 122.520%	
11) 1,1-Dichloroethene-d2	4.021	65	88924	24.983	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 99.920%	
21) 2-Butanone-d5	7.075	46	155531	65.874	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 131.740%	
24) Chloroform-d	7.648	84	394253	28.419	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 113.680%	
26) 1,2-Dichloroethane-d4	8.307	65	201350	27.019	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 108.080%	
32) Benzene-d6	8.276	84	744817	42.231	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 168.920%#	
36) 1,2-Dichloropropane-d6	9.270	67	245791	45.627	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 182.520%#	
41) Toluene-d8	10.325	98	507525	31.733	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 126.920%	
43) trans-1,3-Dichloroprop...	10.575	79	64903	26.425	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 105.680%	
47) 2-Hexanone-d5	10.922	63	100339	90.027	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 180.060%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	159471	39.678	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 158.720%#	
66) 1,2-Dichlorobenzene-d4	13.848	152	55943	30.706	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 122.840%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	130404	23.547	ug/L #	80
3) Chloromethane	2.222	50	189565	29.785	ug/L	96
5) Vinyl chloride	2.375	62	193334	27.195	ug/L	97
6) Bromomethane	2.783	94	106591	26.324	ug/L	94
8) Chloroethane	2.930	64	114433	27.964	ug/L	97
9) Trichlorofluoromethane	3.265	101	145680	29.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	157981	25.154	ug/L	97
12) 1,1-Dichloroethene	4.045	96	147701	24.200	ug/L	93
13) Acetone	4.118	43	135053	66.227	ug/L	99
14) Carbon disulfide	4.387	76	402804	21.289	ug/L	98
15) Methyl Acetate	4.667	43	95681	27.471	ug/L	99
16) Methylene chloride	4.917	84	179988	21.125	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	180235	27.477	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	321890	28.443	ug/L	99
19) 1,1-Dichloroethane	6.216	63	405728	30.317	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	557166	75.215	ug/L	97
22) 2-Butanone	7.167	43	151187	49.532	ug/L	95
23) Bromochloromethane	7.514	128	73678	24.091	ug/L	88
25) Chloroform	7.673	83	321773	25.689	ug/L	97

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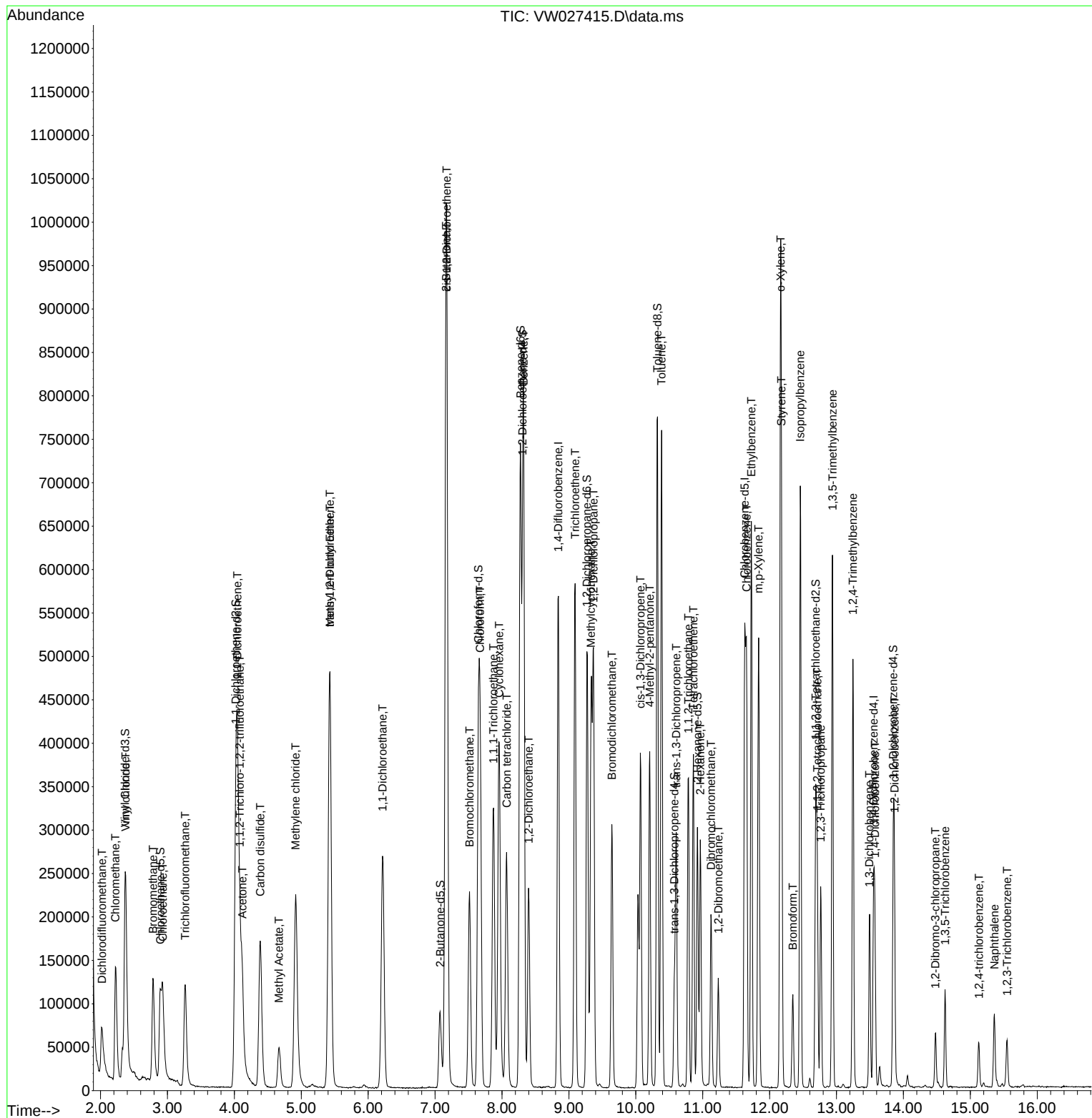
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	206564	24.277	ug/L	98
29) Cyclohexane	7.959	56	251016	31.714	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	272805	42.902	ug/L	98
31) Carbon tetrachloride	8.069	117	203465	35.486	ug/L	100
33) Benzene	8.325	78	664729	39.018	ug/L	100
34) Trichloroethene	9.093	95	213639	47.474	ug/L	96
35) Methylcyclohexane	9.331	83	181680	22.576	ug/L	99
37) 1,2-Dichloropropane	9.367	63	189325	41.100	ug/L	98
38) Bromodichloromethane	9.642	83	201530	35.579	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	225904	29.688	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	268254	84.679	ug/L	99
42) Toluene	10.386	91	541589	30.304	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	155585	24.232	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	112995	35.647	ug/L	96
46) Tetrachloroethene	10.861	164	81702	26.293	ug/L	92
48) 2-Hexanone	10.965	43	183183	78.126	ug/L	99
49) Dibromochloromethane	11.123	129	101034	28.700	ug/L	95
50) 1,2-Dibromoethane	11.233	107	82004	26.683	ug/L	100
51) Chlorobenzene	11.654	112	242302	21.651	ug/L	95
52) Ethylbenzene	11.727	91	445602	21.456	ug/L	99
53) m,p-Xylene	11.837	106	158941	20.178	ug/L	99
54) o-Xylene	12.166	106	193536	25.657	ug/L	98
55) Styrene	12.178	104	223758	17.369	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	131277	33.925	ug/L	98
59) Bromoform	12.349	173	45941	61.410	ug/L	99
60) Isopropylbenzene	12.458	105	437767	55.428	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	93391	85.075	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	325053	49.340	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	260762	40.454	ug/L	98
64) 1,3-Dichlorobenzene	13.489	146	71325	22.270	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	68521	21.423	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	76321	26.855	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	16930	61.708	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	29805	14.336	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	15440	8.725	ug/L	98
71) Naphthalene	15.360	128	68277	18.762	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	16721	11.491	ug/L	86

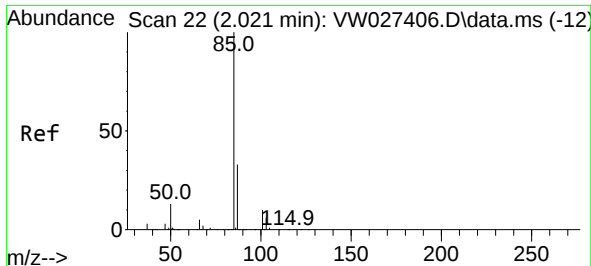
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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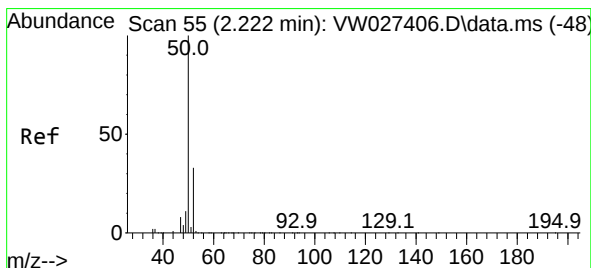
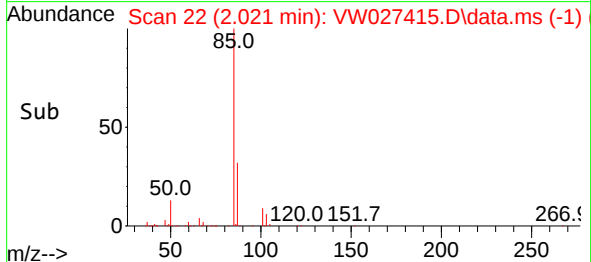
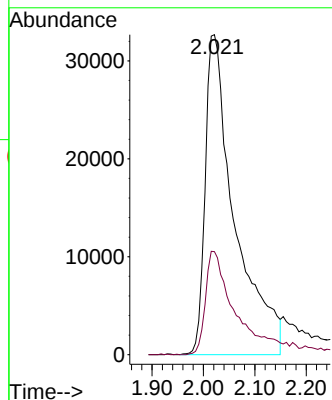
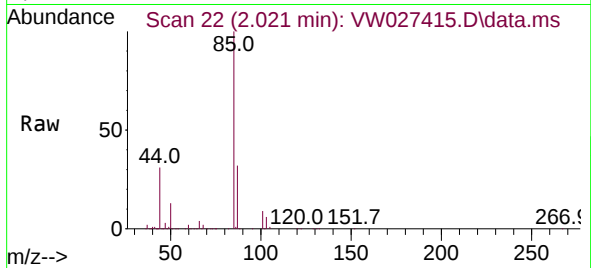




#2
 Dichlorodifluoromethane
 Concen: 23.547 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

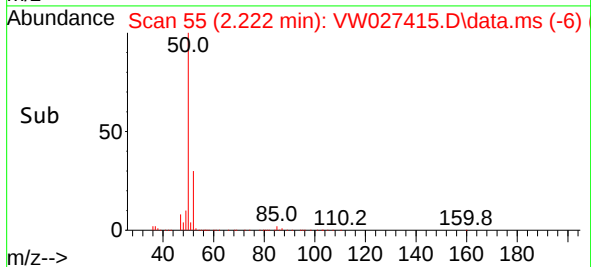
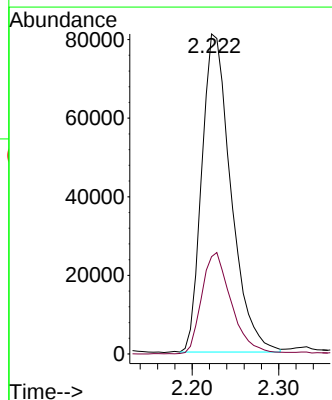
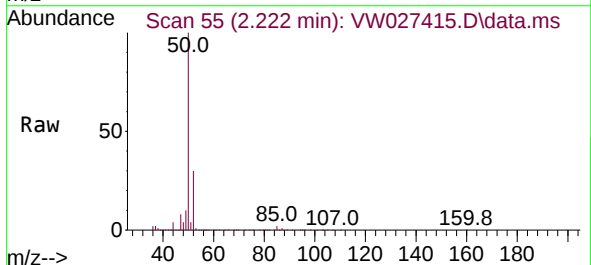
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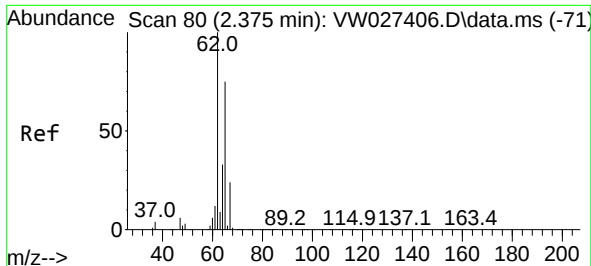
Tgt Ion: 85 Resp: 130404
 Ion Ratio Lower Upper
 85 100
 87 32.4 18.3 27.5#



#3
 Chloromethane
 Concen: 29.785 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

Tgt Ion: 50 Resp: 189565
 Ion Ratio Lower Upper
 50 100
 52 30.4 22.7 42.3

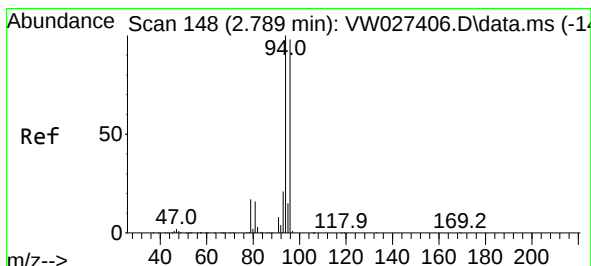
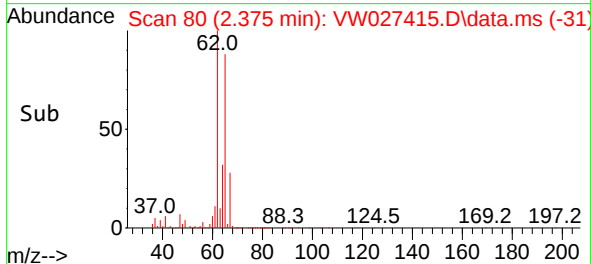
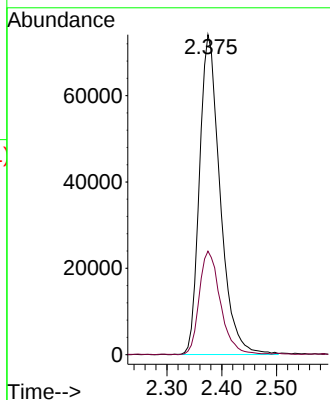
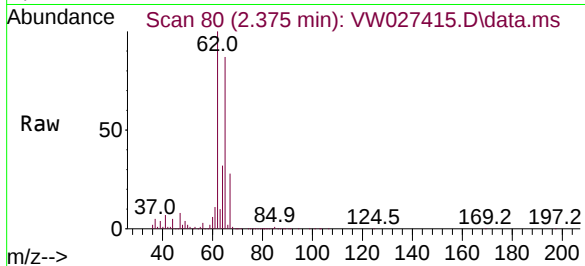




#5
 Vinyl chloride
 Concen: 27.195 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

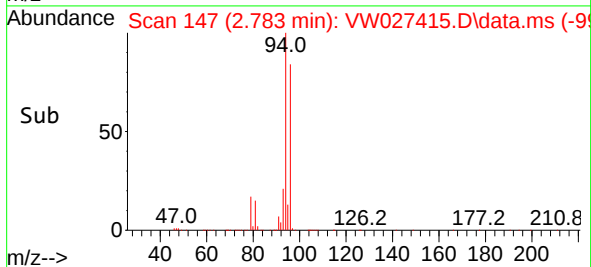
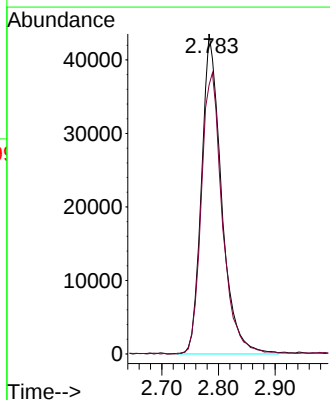
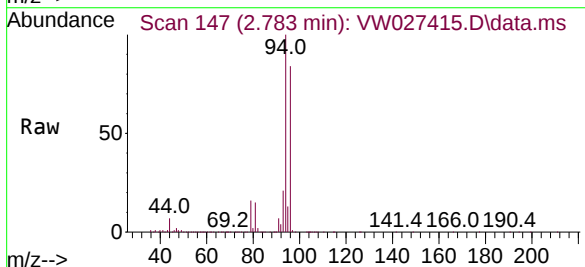
Instrument :
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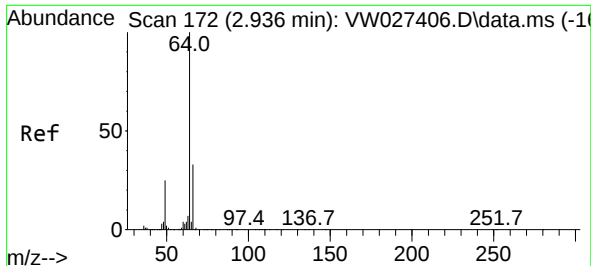
Tgt Ion: 62 Resp: 193334
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.8 44.2



#6
 Bromomethane
 Concen: 26.324 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

Tgt Ion: 94 Resp: 106591
 Ion Ratio Lower Upper
 94 100
 96 84.0 62.9 116.9

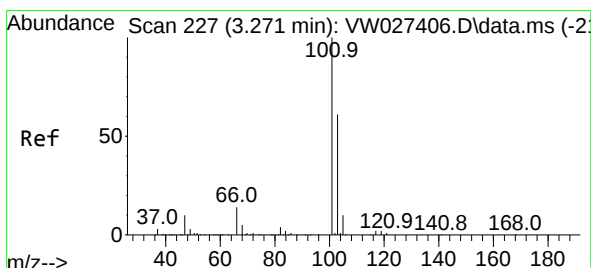
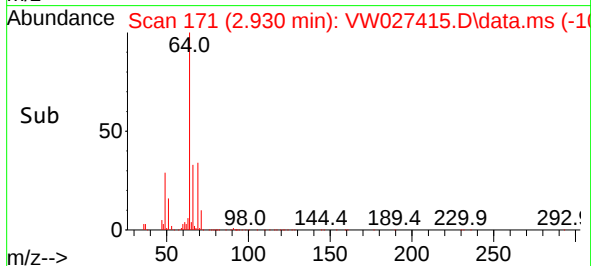
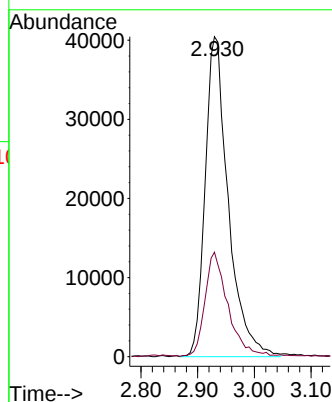
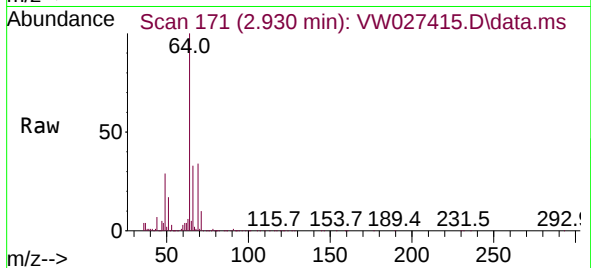




#8
Chloroethane
Concen: 27.964 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

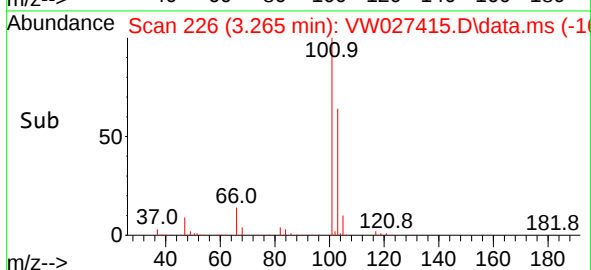
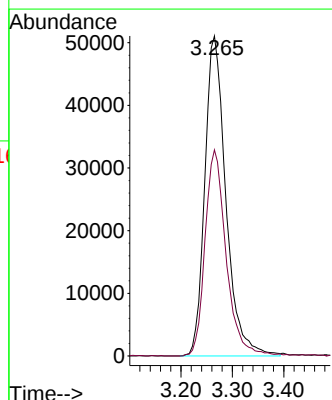
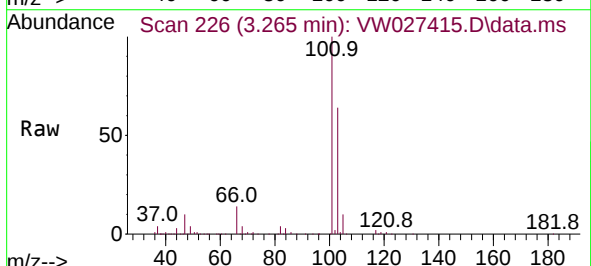
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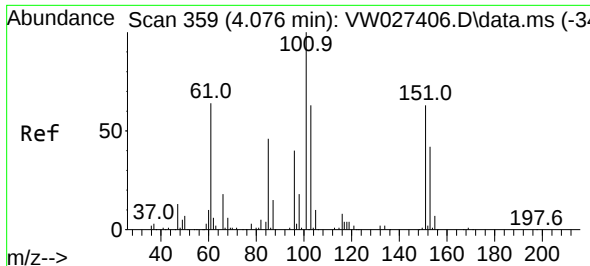
Tgt Ion: 64 Resp: 114433
Ion Ratio Lower Upper
64 100
66 32.7 21.7 40.3



#9
Trichlorofluoromethane
Concen: 29.046 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion:101 Resp: 145680
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4

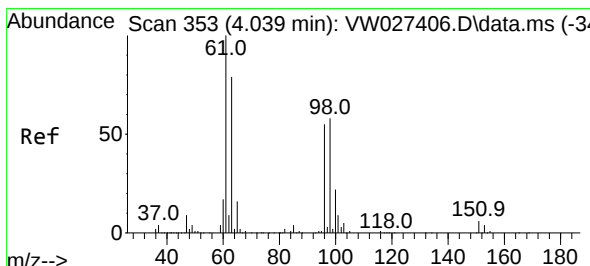
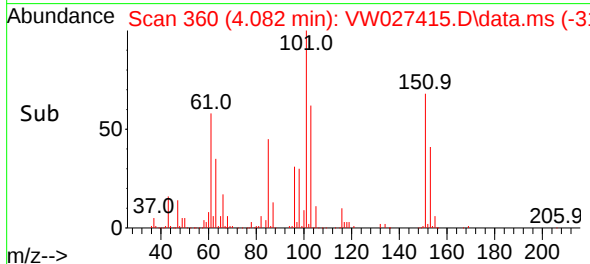
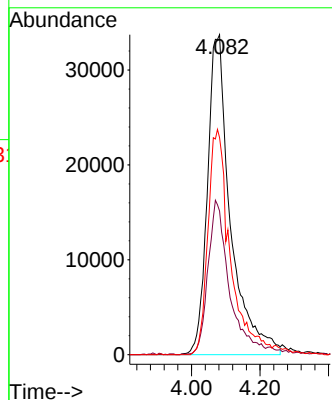
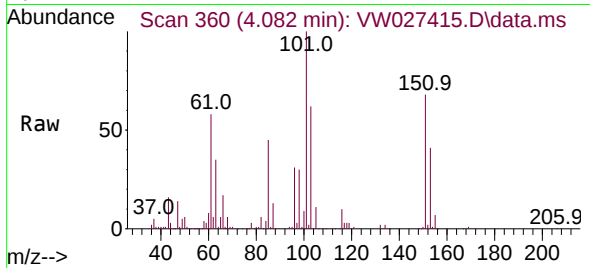




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.154 ug/L
 RT: 4.082 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

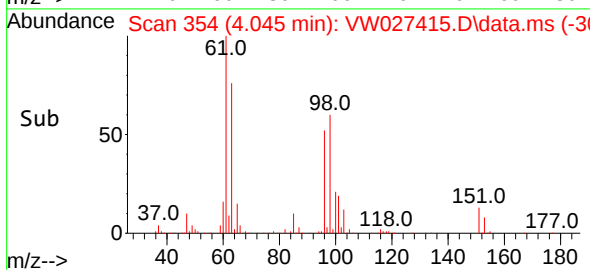
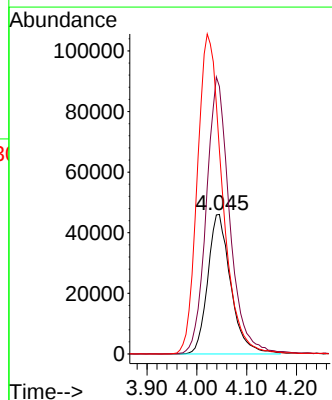
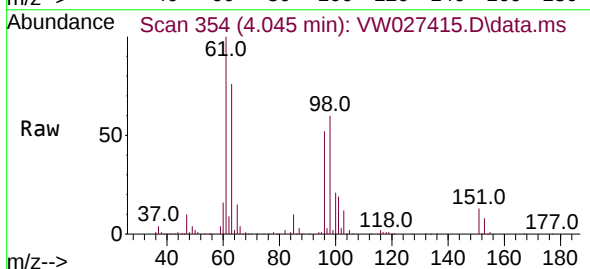
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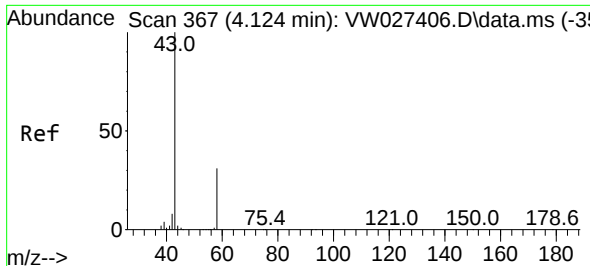
Tgt Ion:101 Resp: 157981
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.1 51.1
 151 65.2 49.5 74.3



#12
 1,1-Dichloroethene
 Concen: 24.200 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW027415.D
 Acq: 24 Oct 2023 14:30

Tgt Ion: 96 Resp: 147701
 Ion Ratio Lower Upper
 96 100
 61 191.8 133.3 247.5
 63 146.2 115.8 215.2

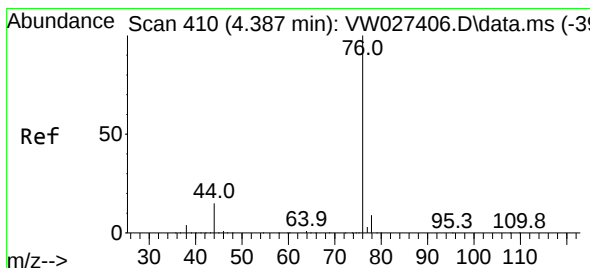
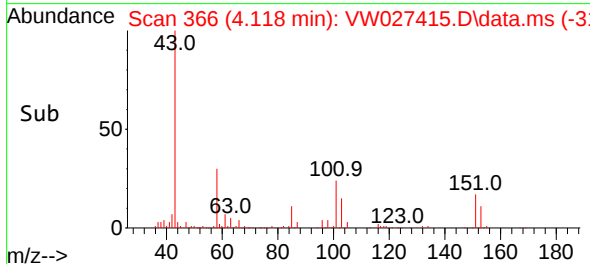
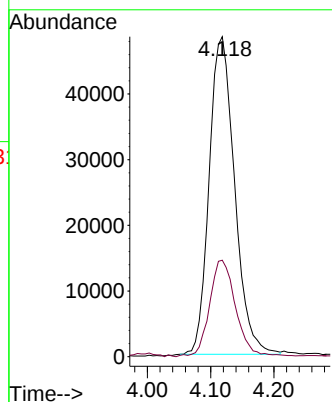
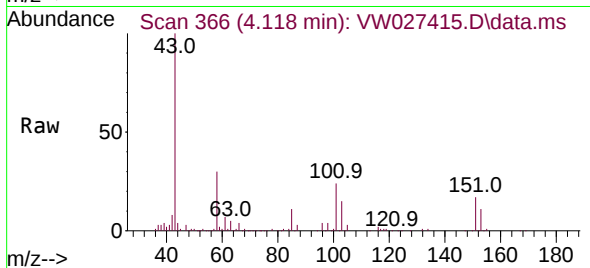




#13
Acetone
Concen: 66.227 ug/L
RT: 4.118 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

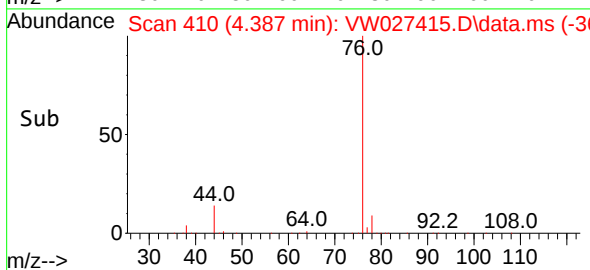
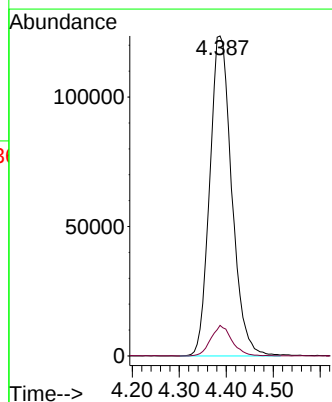
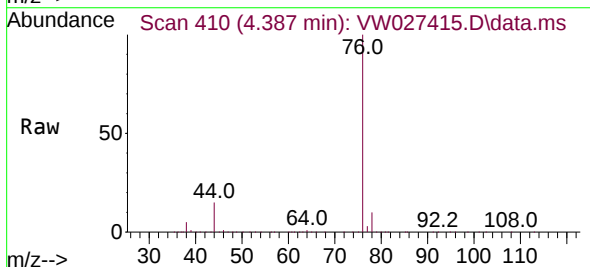
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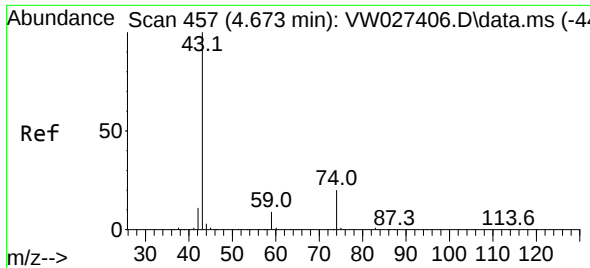
Tgt Ion: 43 Resp: 135053
Ion Ratio Lower Upper
43 100
58 29.6 0.0 60.8



#14
Carbon disulfide
Concen: 21.289 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion: 76 Resp: 402804
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

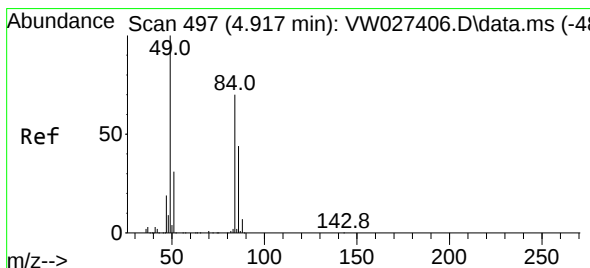
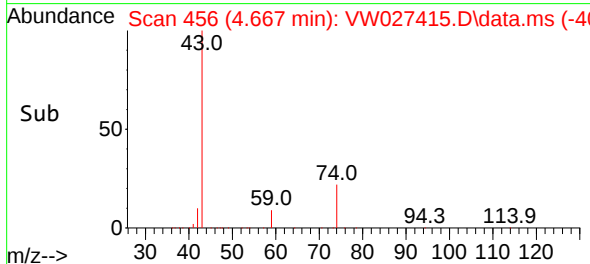
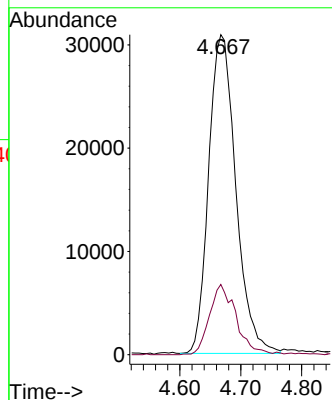
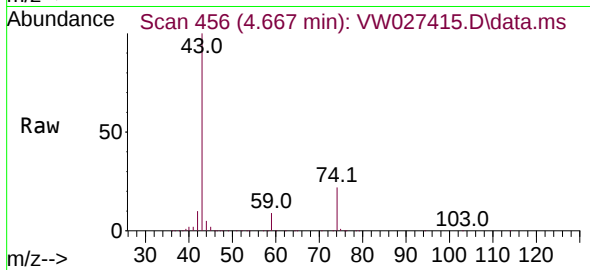




#15
Methyl Acetate
Concen: 27.471 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

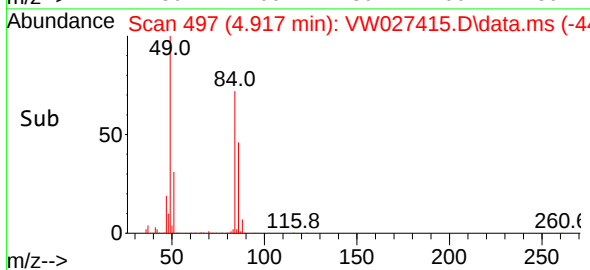
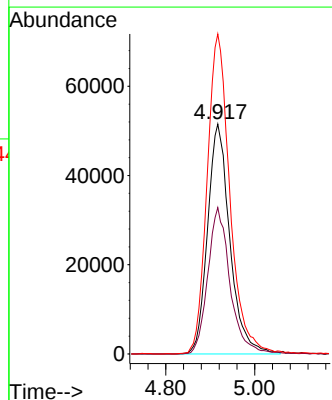
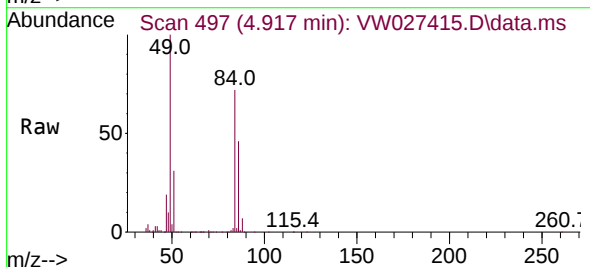
Instrument :
MSVOA_W
ClientSampleId :

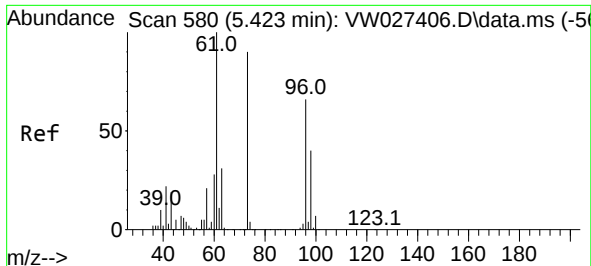
Tgt Ion: 43 Resp: 95681
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3



#16
Methylene chloride
Concen: 21.125 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion: 84 Resp: 179988
Ion Ratio Lower Upper
84 100
86 63.7 41.3 76.7
49 139.2 92.8 172.4

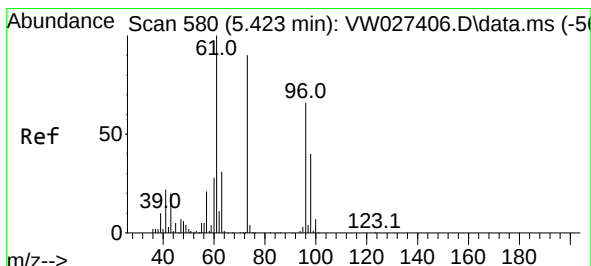
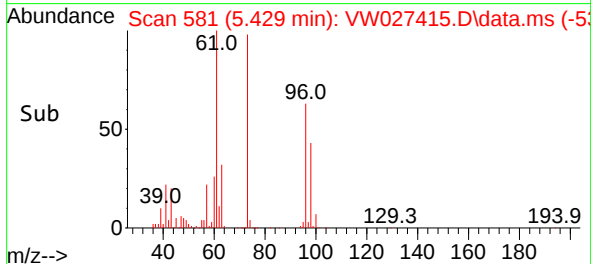
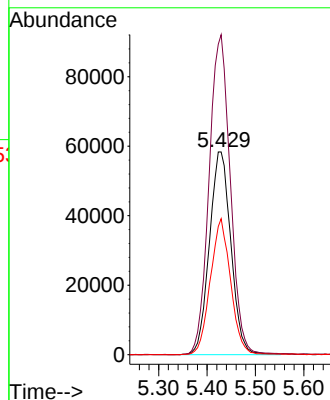
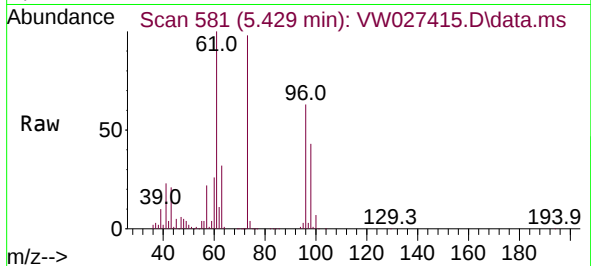




#17
trans-1,2-Dichloroethene
Concen: 27.477 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

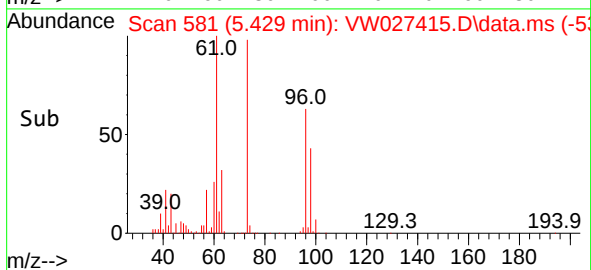
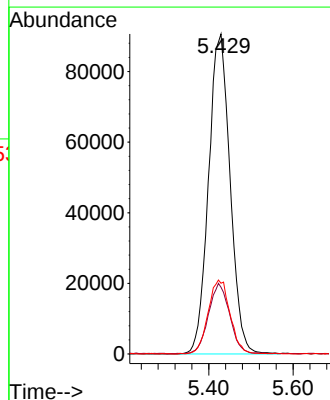
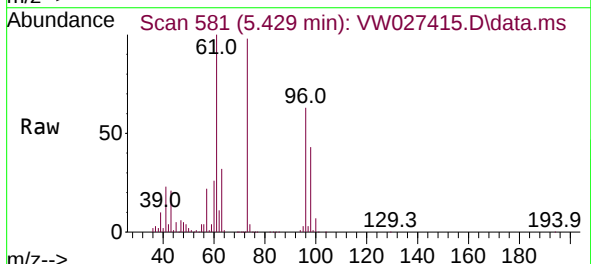
Instrument :
MSVOA_W
ClientSampleId :

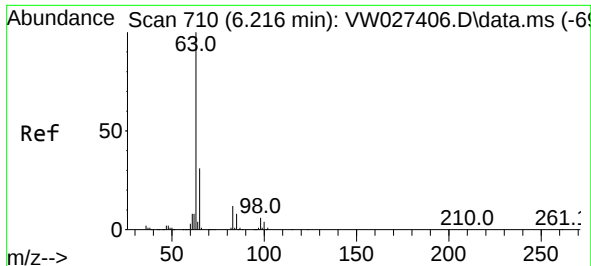
Tgt Ion: 96 Resp: 180235
Ion Ratio Lower Upper
96 100
61 157.8 105.6 196.0
98 67.1 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 28.443 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion: 73 Resp: 321890
Ion Ratio Lower Upper
73 100
43 21.3 17.7 26.5
57 23.3 18.5 27.7





#19

1,1-Dichloroethane

Concen: 30.317 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :

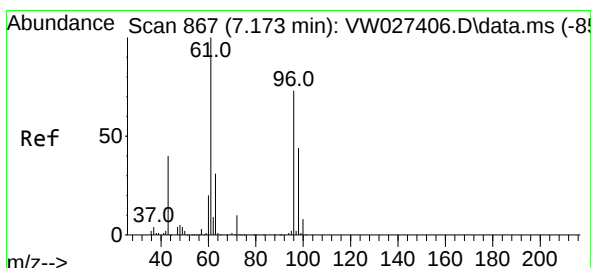
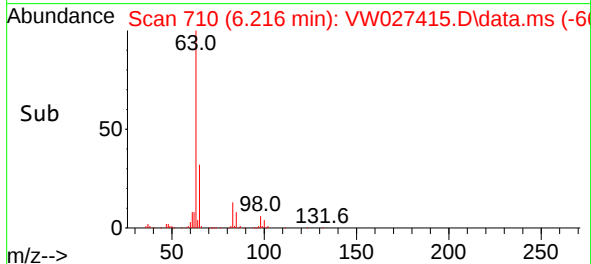
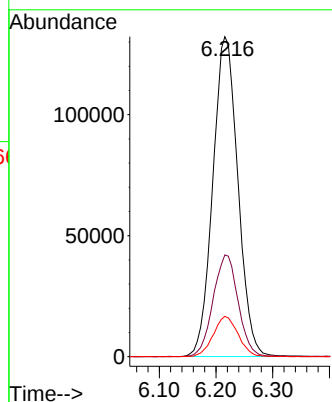
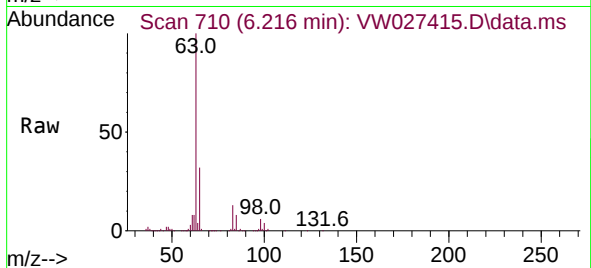
Tgt Ion: 63 Resp: 405728

Ion Ratio Lower Upper

63 100

65 31.8 22.9 42.5

83 12.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 75.215 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

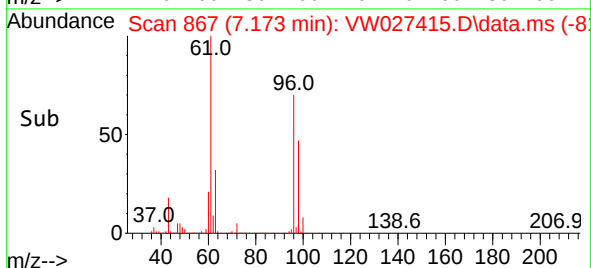
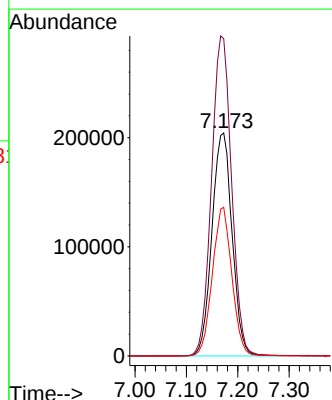
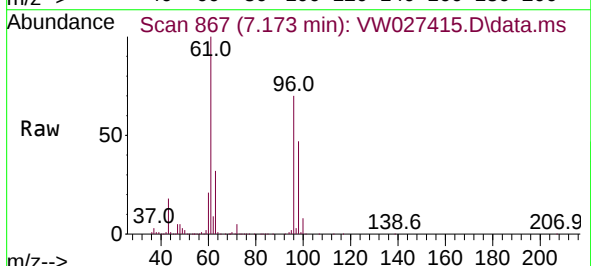
Tgt Ion: 96 Resp: 557166

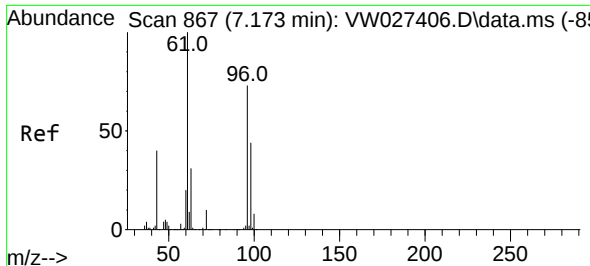
Ion Ratio Lower Upper

96 100

61 142.2 96.2 178.8

98 66.6 46.0 85.4

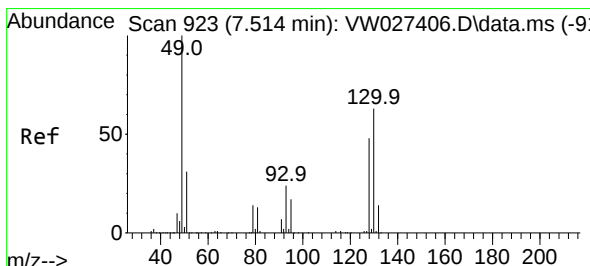
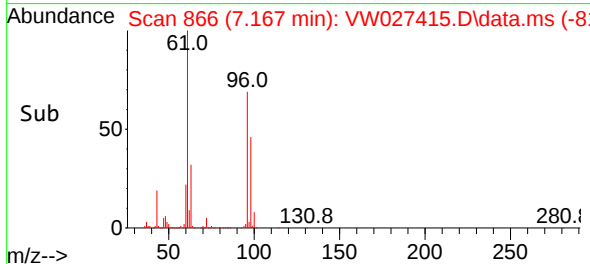
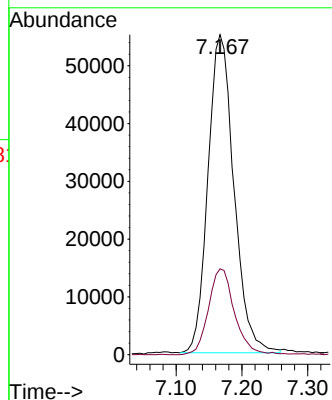
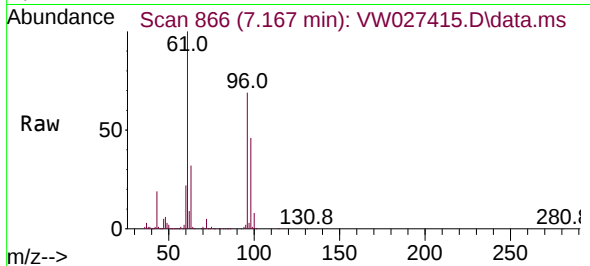




#22
2-Butanone
Concen: 49.532 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

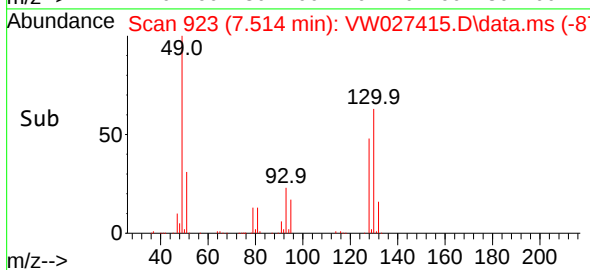
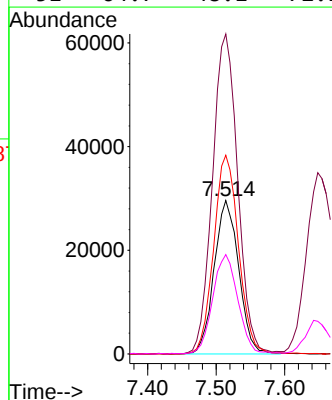
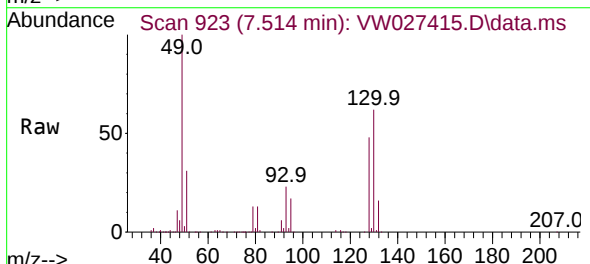
Instrument :
MSVOA_W
ClientSampleId :

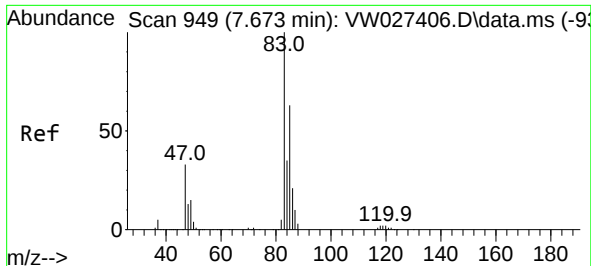
Tgt Ion: 43 Resp: 151187
Ion Ratio Lower Upper
43 100
72 26.8 12.3 36.8



#23
Bromochloromethane
Concen: 24.091 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion: 128 Resp: 73678
Ion Ratio Lower Upper
128 100
49 208.5 128.9 239.5
130 129.4 85.0 157.8
51 64.7 48.1 72.1





#25

Chloroform

Concen: 25.689 ug/L

RT: 7.673 min Scan# 949

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

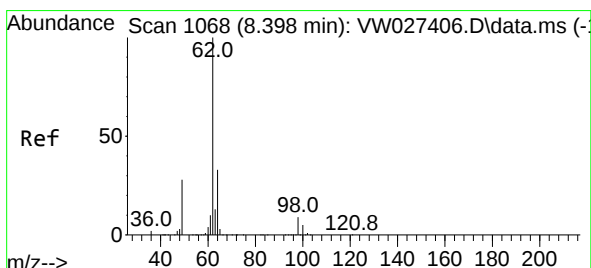
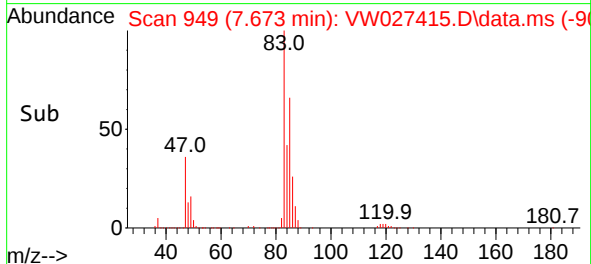
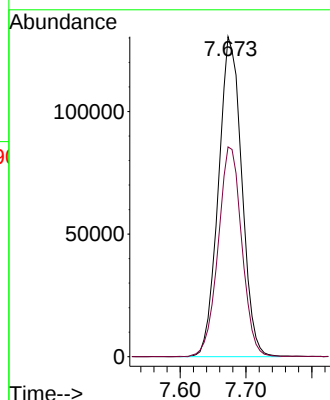
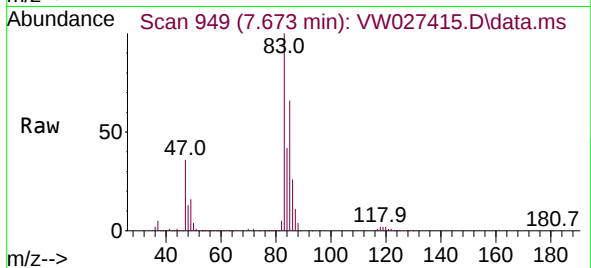
ClientSampleId :

Tgt Ion: 83 Resp: 321773

Ion Ratio Lower Upper

83 100

85 65.6 44.1 81.9



#27

1,2-Dichloroethane

Concen: 24.277 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW027415.D

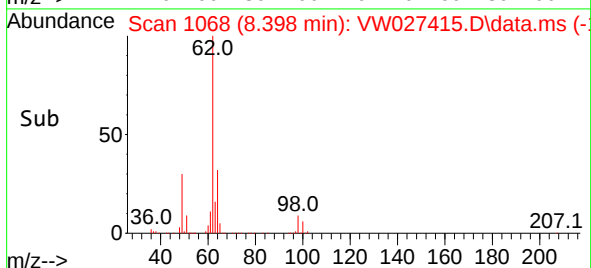
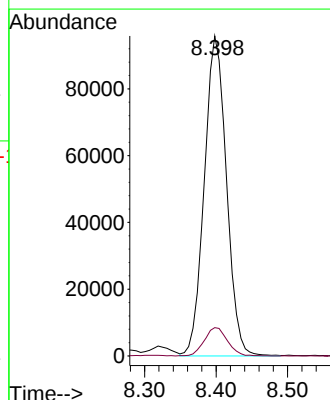
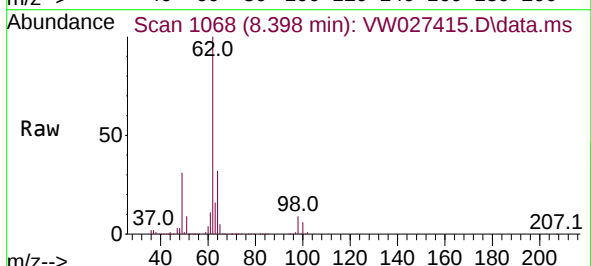
Acq: 24 Oct 2023 14:30

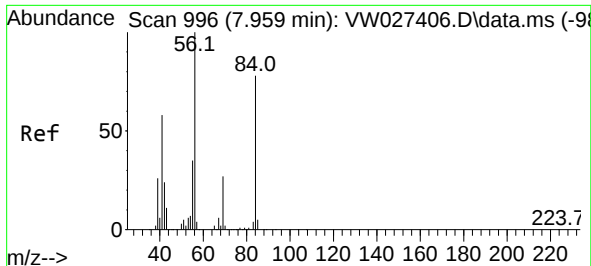
Tgt Ion: 62 Resp: 206564

Ion Ratio Lower Upper

62 100

98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 31.714 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :

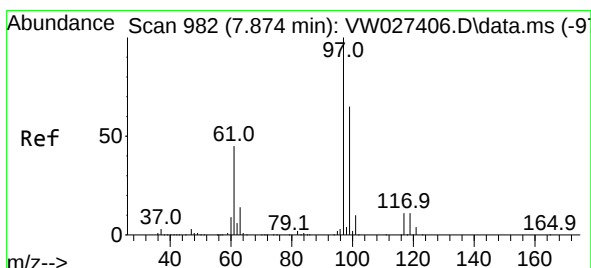
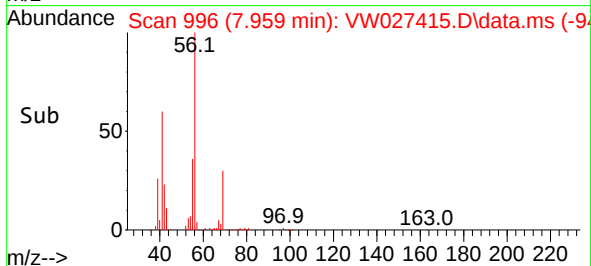
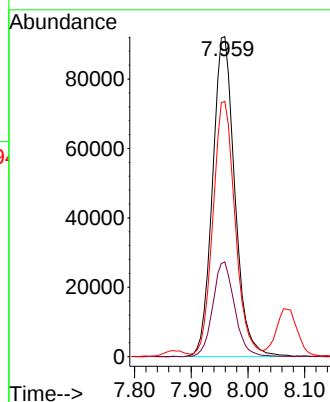
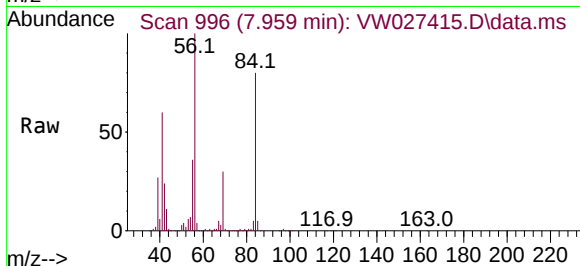
Tgt Ion: 56 Resp: 251016

Ion Ratio Lower Upper

56 100

69 29.1 24.2 36.4

84 79.7 65.1 97.7



#30

1,1,1-Trichloroethane

Concen: 42.902 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

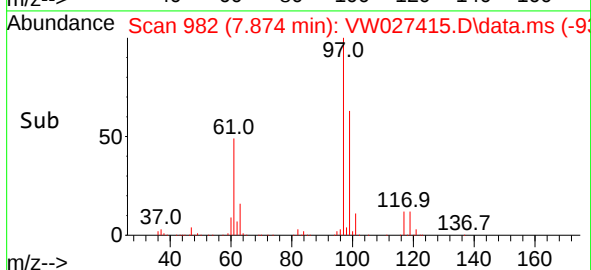
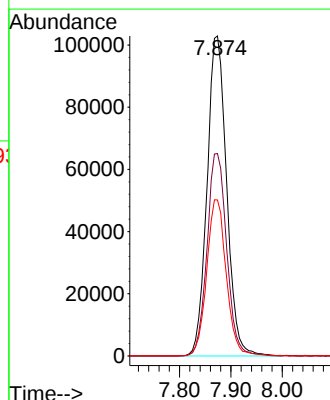
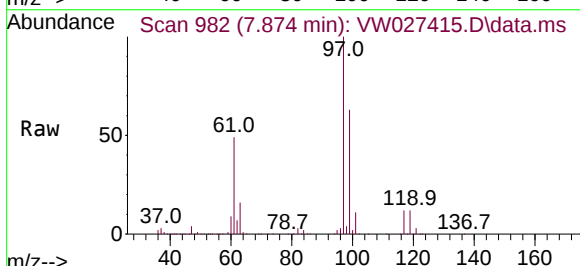
Tgt Ion: 97 Resp: 272805

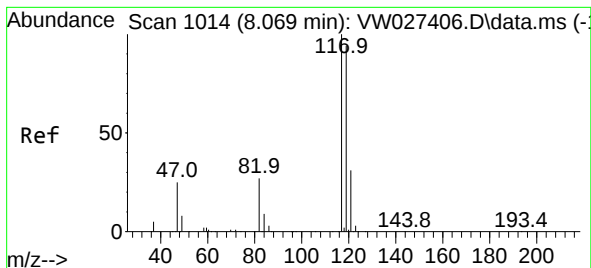
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

61 48.7 37.4 56.0





#31

Carbon tetrachloride

Concen: 35.486 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

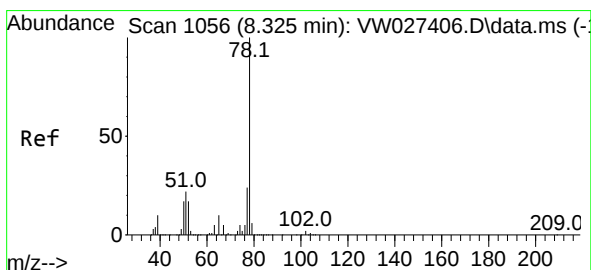
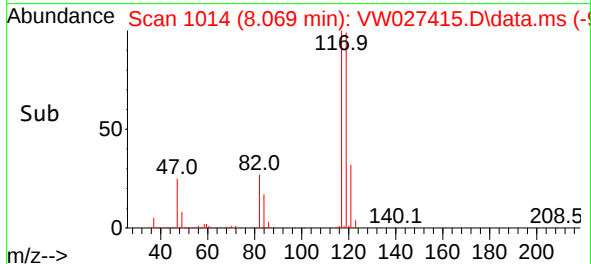
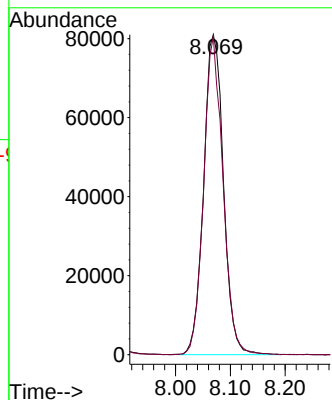
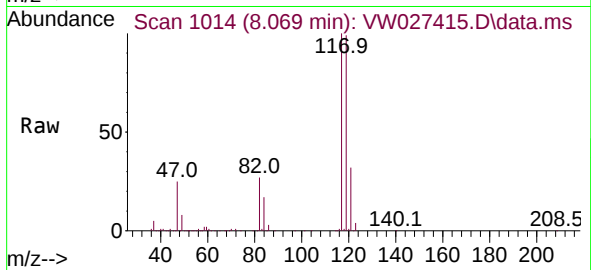
ClientSampleId :

Tgt Ion:117 Resp: 203465

Ion Ratio Lower Upper

117 100

119 96.3 77.1 115.7



#33

Benzene

Concen: 39.018 ug/L

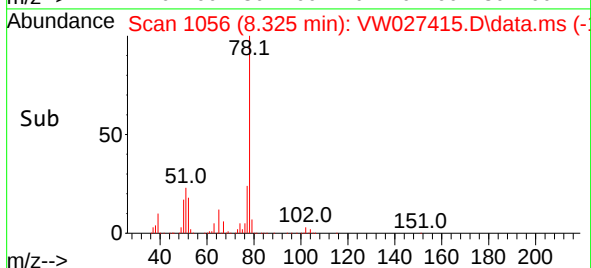
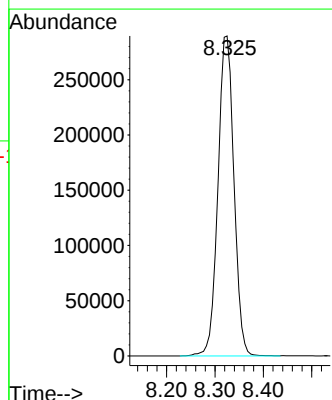
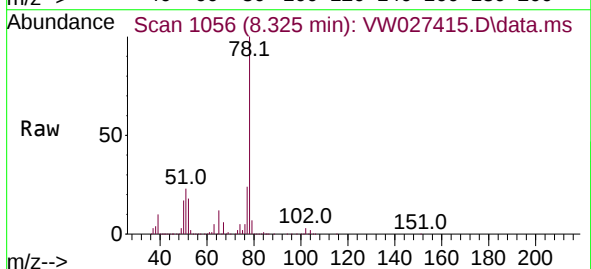
RT: 8.325 min Scan# 1056

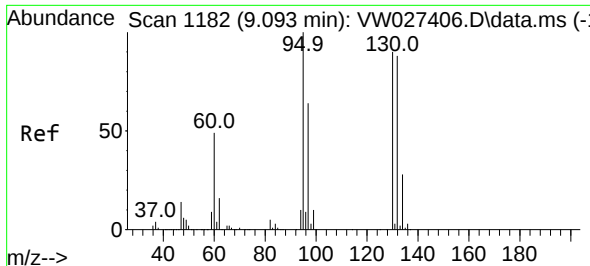
Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Tgt Ion: 78 Resp: 664729





#34

Trichloroethene

Concen: 47.474 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

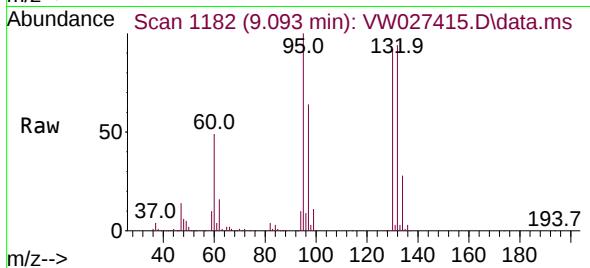
Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 213639

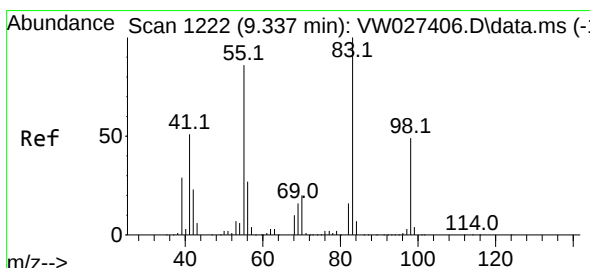
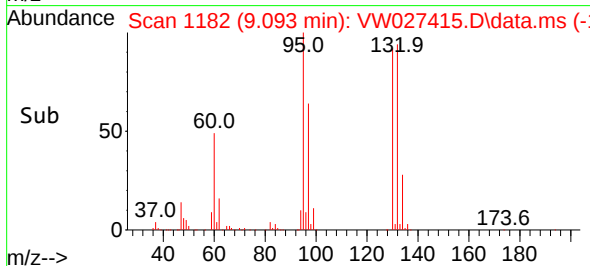
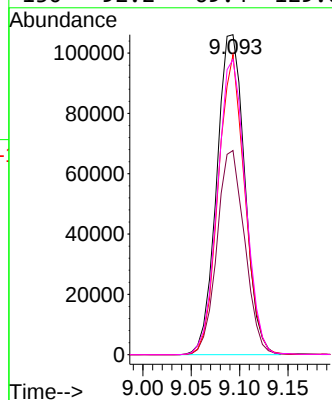
Ion Ratio Lower Upper

95 100

97 63.8 43.4 80.6

132 93.7 67.6 125.6

130 92.2 69.4 129.0



#35

Methylcyclohexane

Concen: 22.576 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

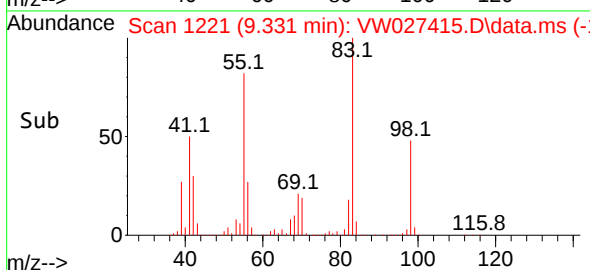
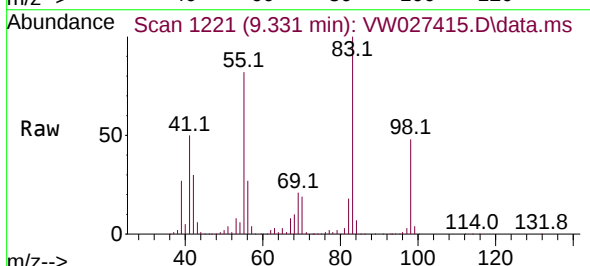
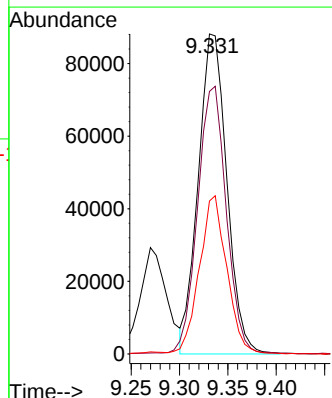
Tgt Ion: 83 Resp: 181680

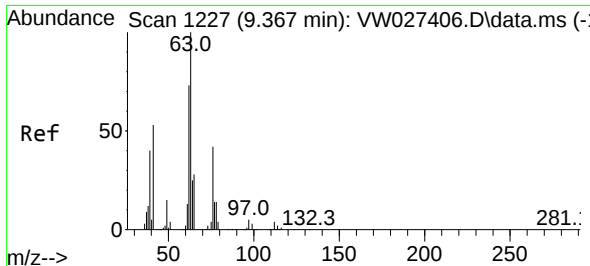
Ion Ratio Lower Upper

83 100

55 83.9 65.8 98.8

98 47.5 38.1 57.1





#37

1,2-Dichloropropane

Concen: 41.100 ug/L

RT: 9.367 min Scan# 112

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

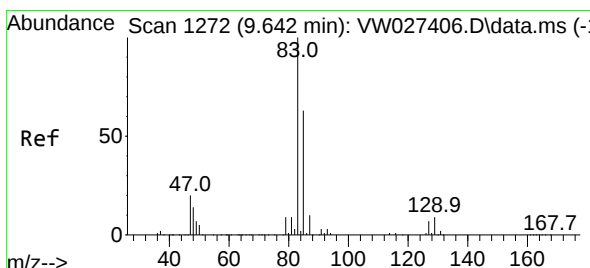
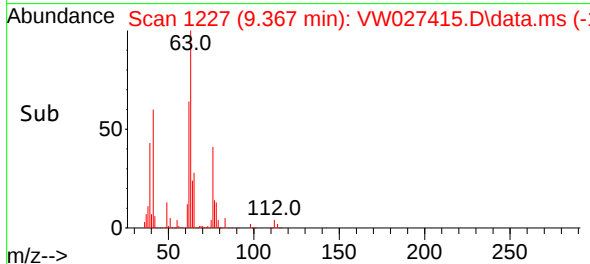
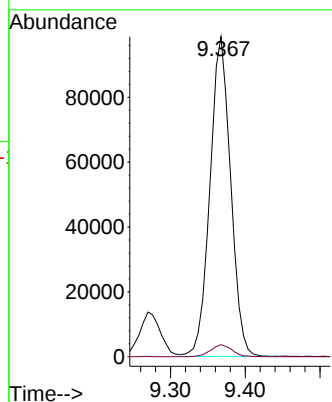
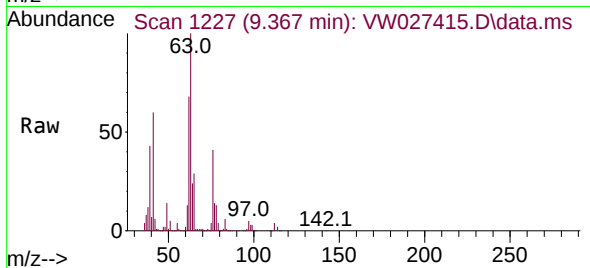
ClientSampleId :

Tgt Ion: 63 Resp: 189325

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



#38

Bromodichloromethane

Concen: 35.579 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

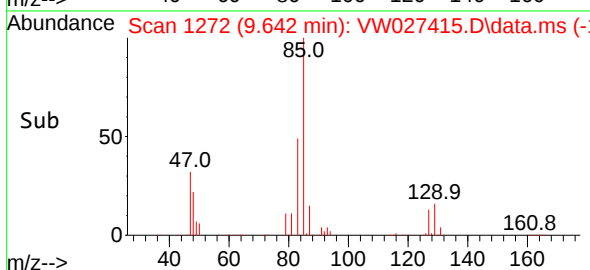
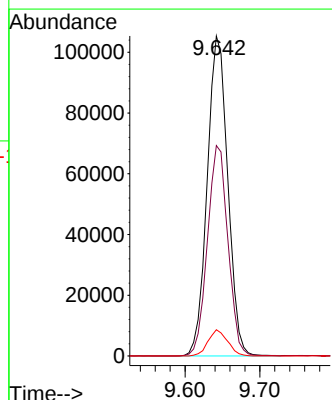
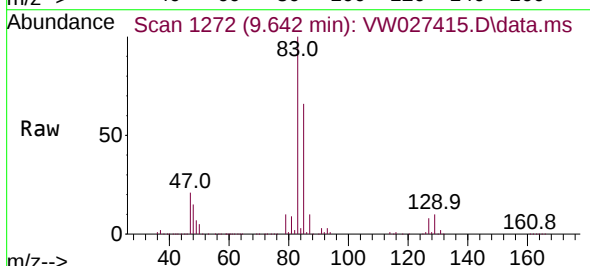
Tgt Ion: 83 Resp: 201530

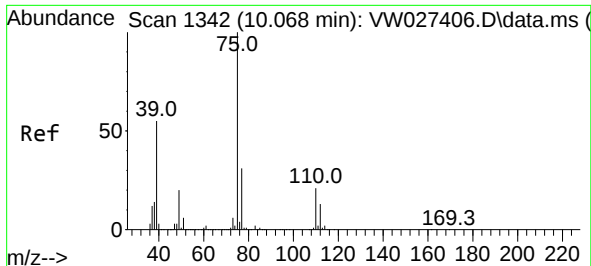
Ion Ratio Lower Upper

83 100

85 65.8 43.9 81.5

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 29.688 ug/L

RT: 10.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

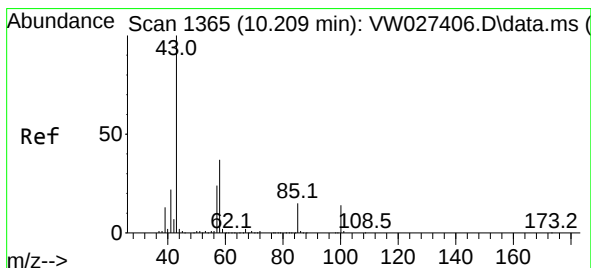
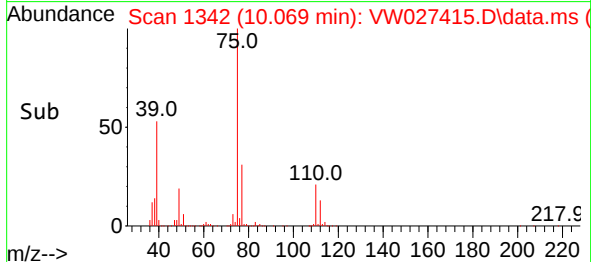
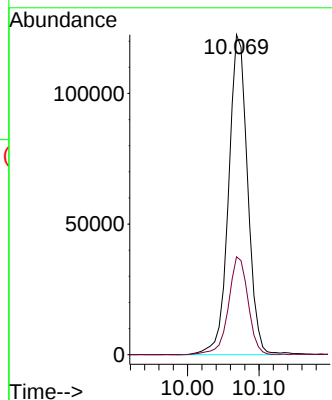
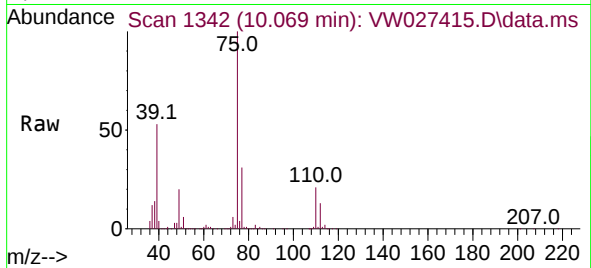
ClientSampleId :

Tgt Ion: 75 Resp: 225904

Ion Ratio Lower Upper

75 100

77 30.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 84.679 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

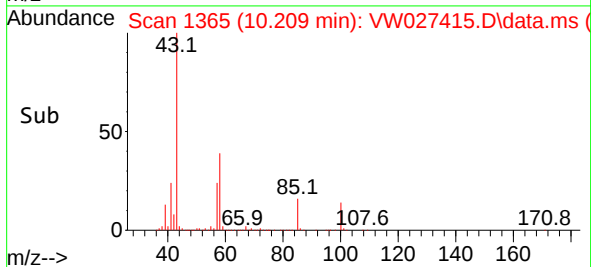
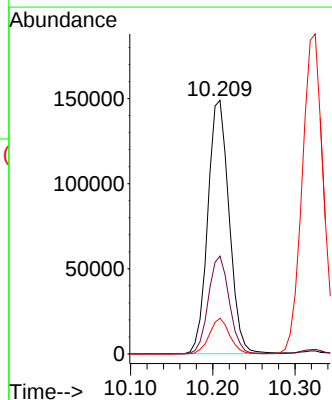
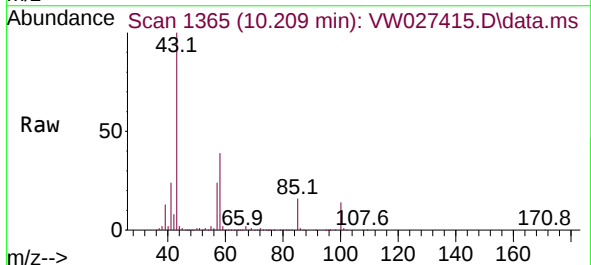
Tgt Ion: 43 Resp: 268254

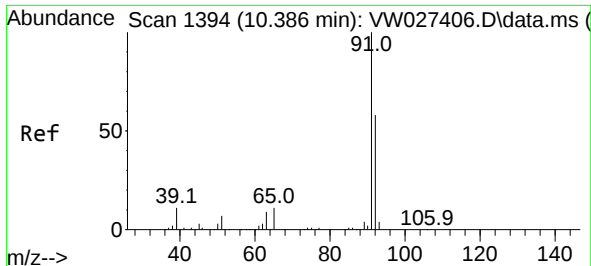
Ion Ratio Lower Upper

43 100

58 38.0 30.5 45.7

100 13.5 11.5 17.3

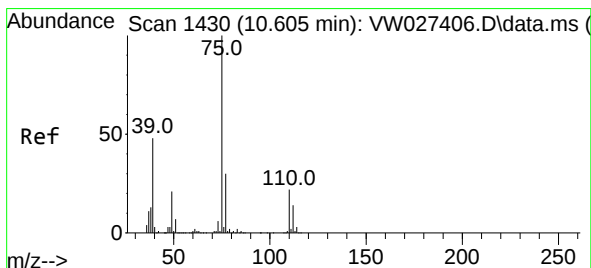
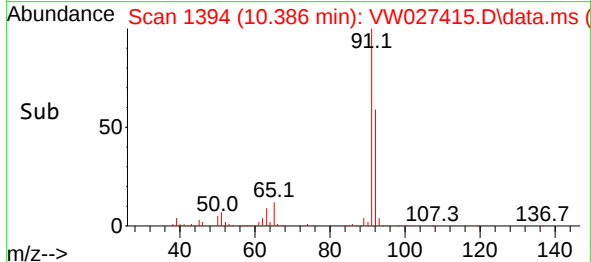
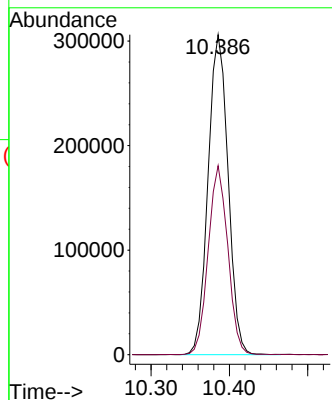
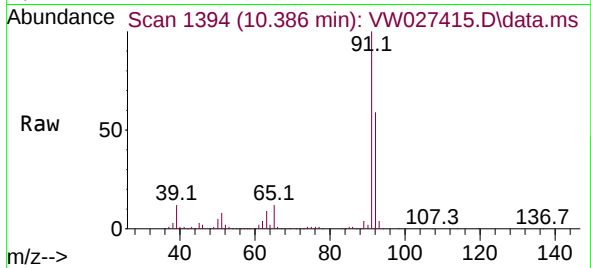




#42
Toluene
Concen: 30.304 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

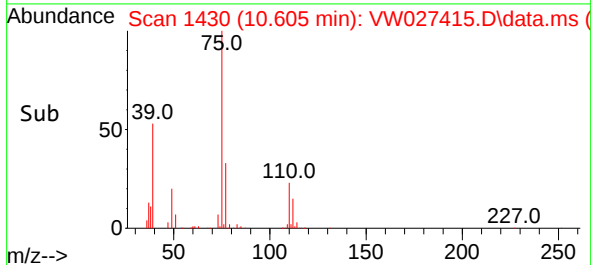
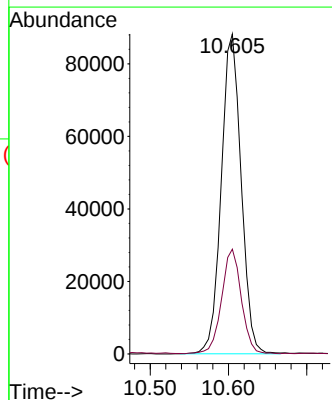
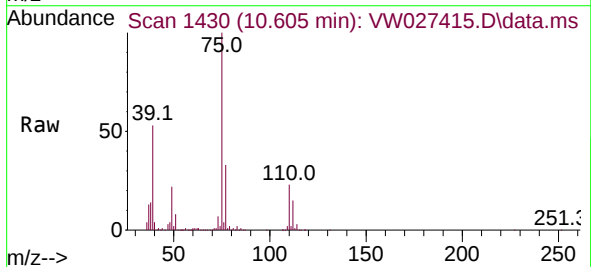
Instrument :
MSVOA_W
ClientSampleId :

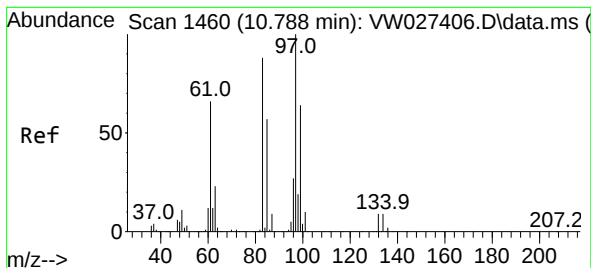
Tgt Ion: 91 Resp: 541589
Ion Ratio Lower Upper
91 100
92 59.1 42.1 78.1



#44
trans-1,3-Dichloropropene
Concen: 24.232 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

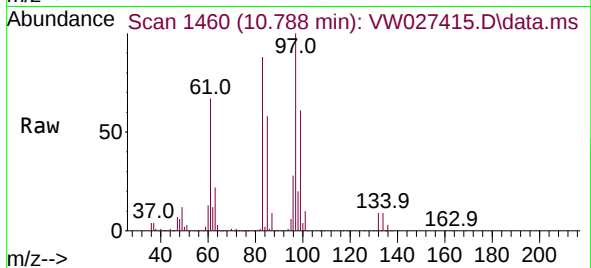
Tgt Ion: 75 Resp: 155585
Ion Ratio Lower Upper
75 100
77 32.7 22.0 41.0



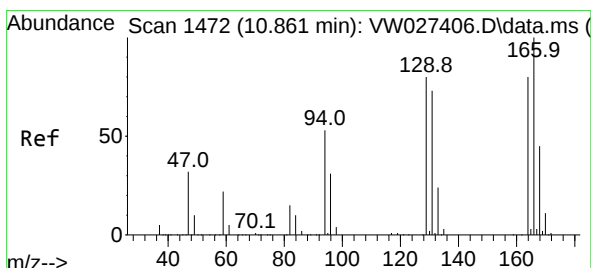
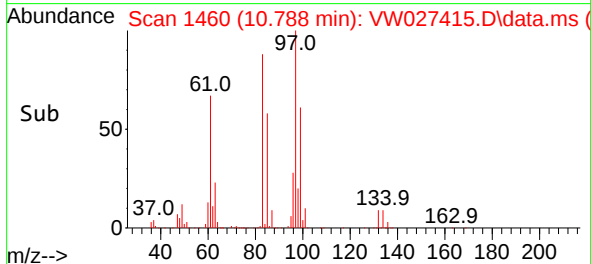
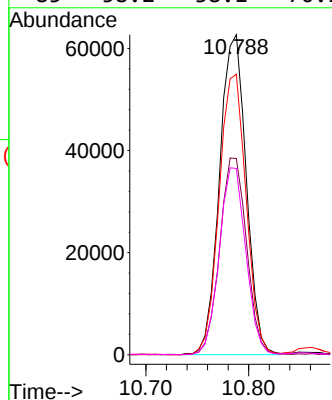


#45
1,1,2-Trichloroethane
Concen: 35.647 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Instrument :
MSVOA_W
ClientSampleId :

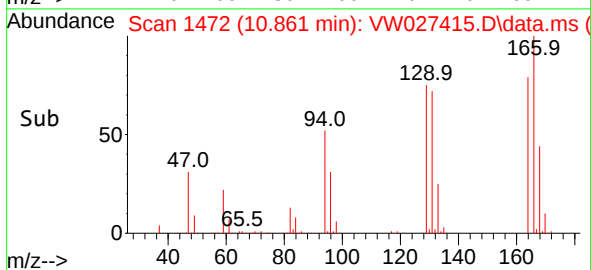
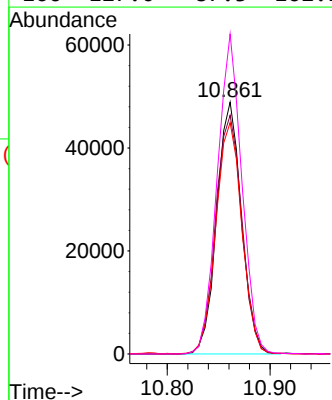
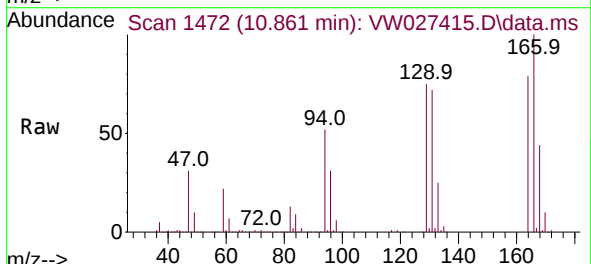


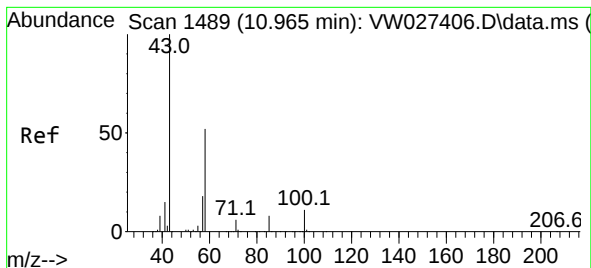
Tgt Ion:	97	Resp:	112995
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.8	81.4
83	87.6	57.5	106.7
85	58.2	38.1	70.9



#46
Tetrachloroethene
Concen: 26.293 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion:	164	Resp:	81702
Ion	Ratio	Lower	Upper
164	100		
129	94.7	74.7	138.7
131	91.8	73.2	136.0
166	127.0	87.3	162.1





#48

2-Hexanone

Concen: 78.126 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

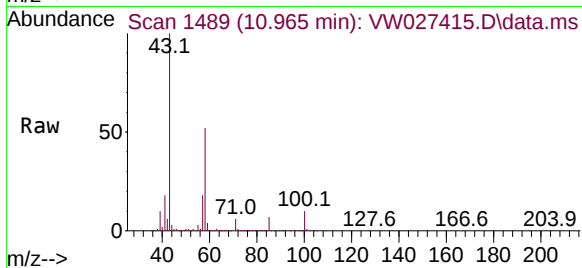
Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 183183

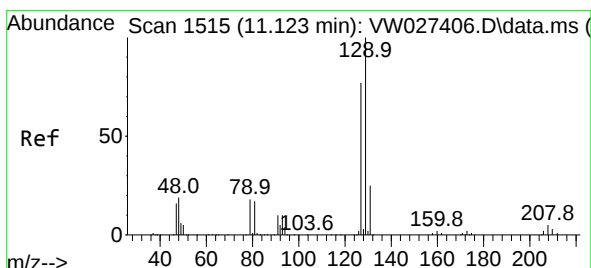
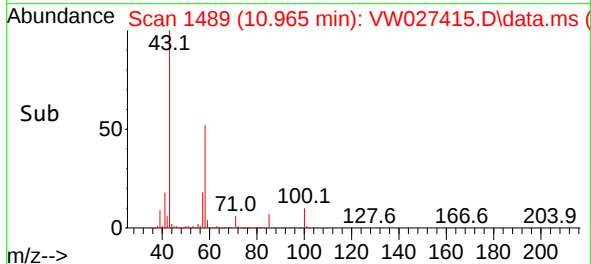
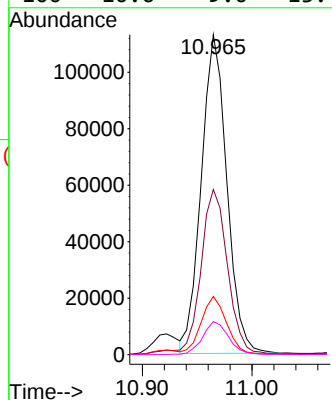
Ion Ratio Lower Upper

43 100

58 53.7 42.2 63.4

57 18.2 15.1 22.7

100 10.6 9.0 13.4



#49

Dibromochloromethane

Concen: 28.700 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW027415.D

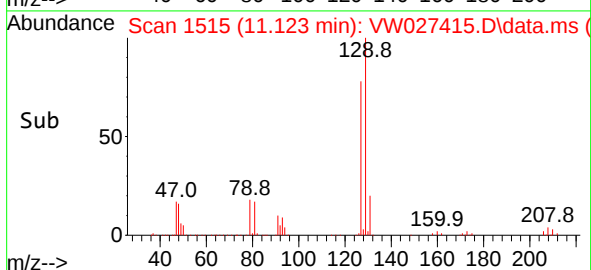
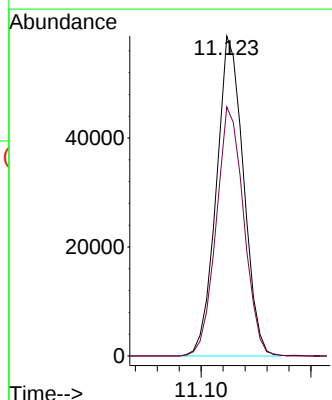
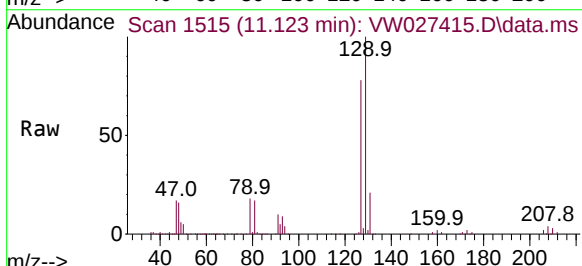
Acq: 24 Oct 2023 14:30

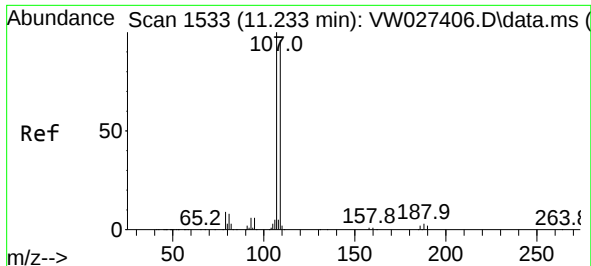
Tgt Ion:129 Resp: 101034

Ion Ratio Lower Upper

129 100

127 77.8 51.7 95.9





#50

1,2-Dibromoethane

Concen: 26.683 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

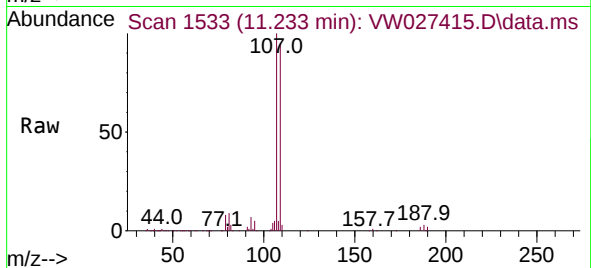
Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :



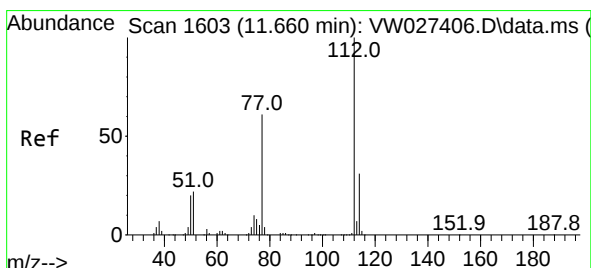
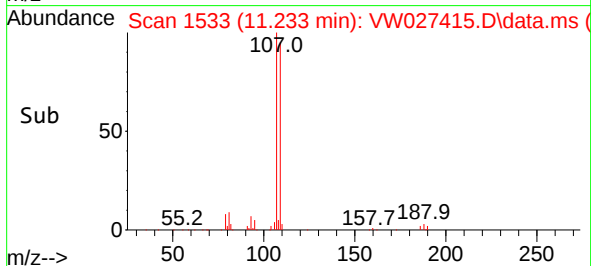
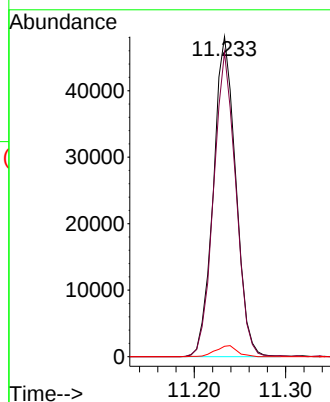
Tgt Ion:107 Resp: 82004

Ion Ratio Lower Upper

107 100

109 95.1 66.3 123.1

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 21.651 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

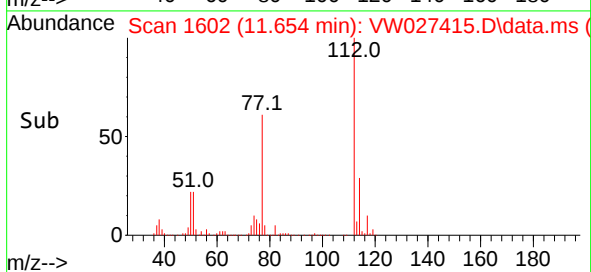
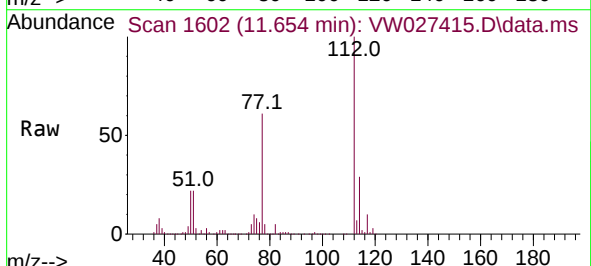
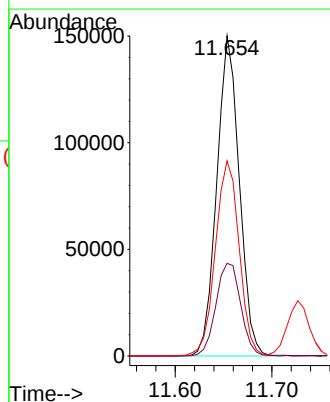
Tgt Ion:112 Resp: 242302

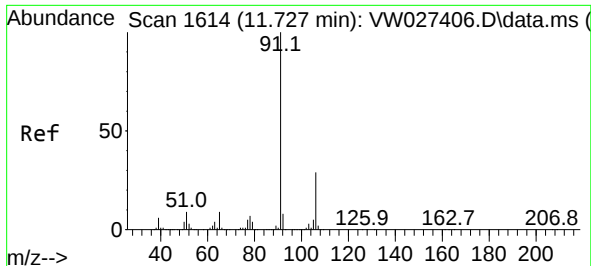
Ion Ratio Lower Upper

112 100

114 28.9 21.8 40.6

77 61.0 52.2 78.4





#52

Ethylbenzene

Concen: 21.456 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

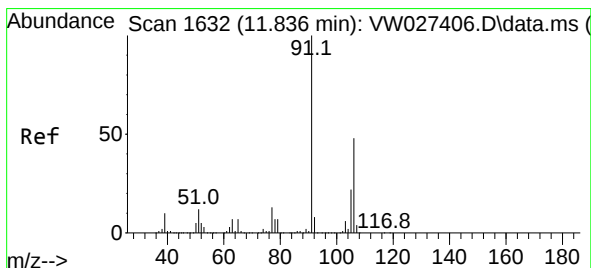
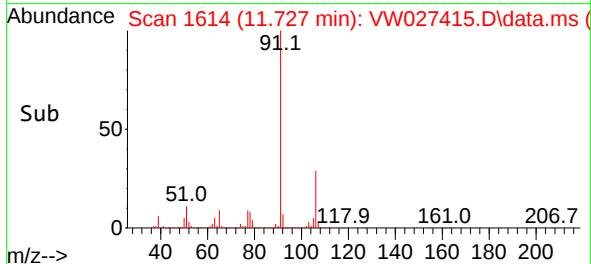
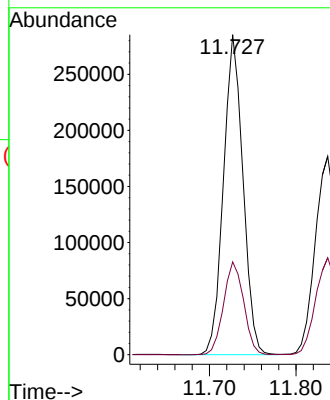
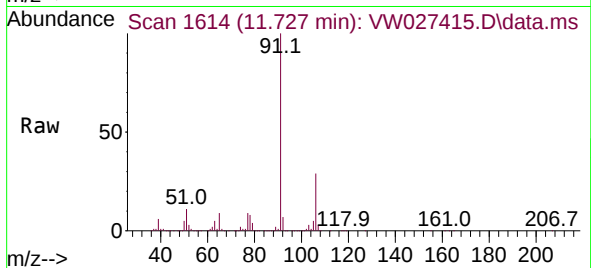
ClientSampleId :

Tgt Ion: 91 Resp: 445602

Ion Ratio Lower Upper

91 100

106 29.0 19.8 36.8



#53

m,p-Xylene

Concen: 20.178 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW027415.D

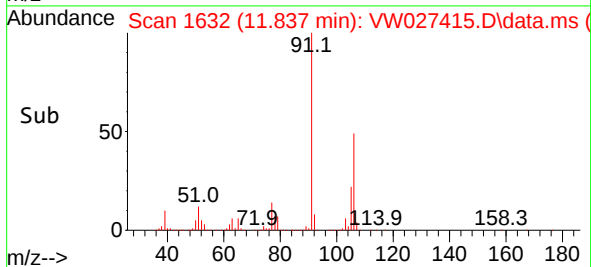
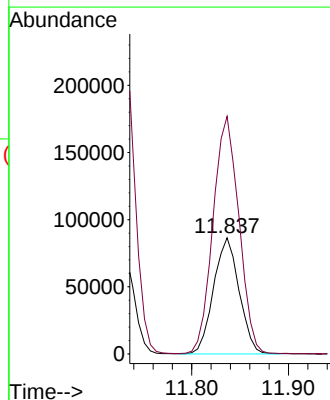
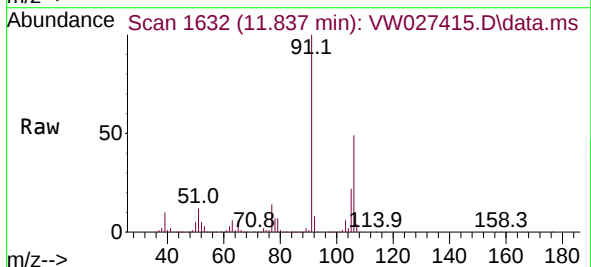
Acq: 24 Oct 2023 14:30

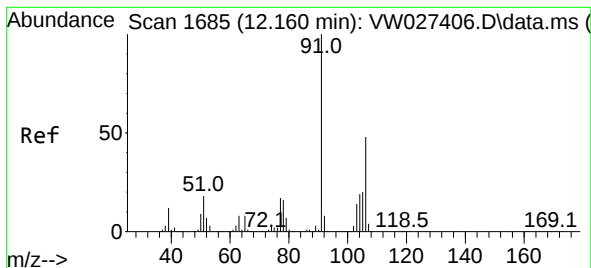
Tgt Ion:106 Resp: 158941

Ion Ratio Lower Upper

106 100

91 204.6 144.5 268.4





#54

o-Xylene

Concen: 25.657 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

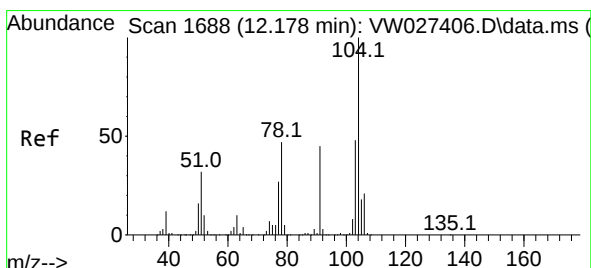
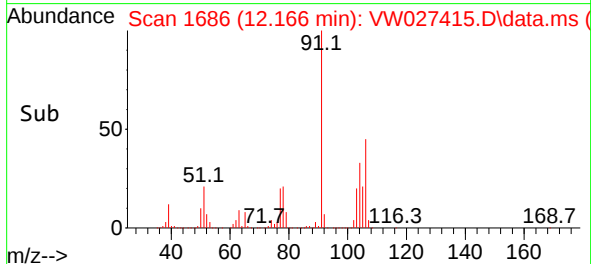
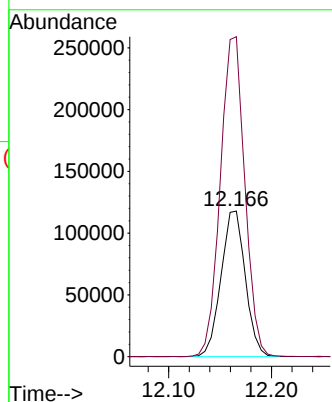
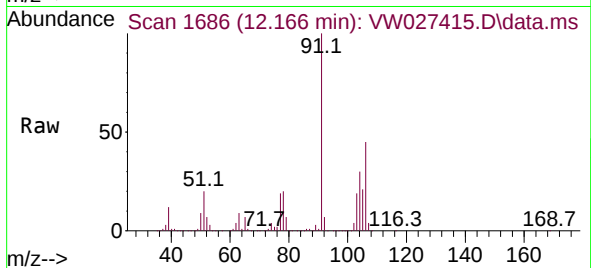
ClientSampleId :

Tgt Ion:106 Resp: 193536

Ion Ratio Lower Upper

106 100

91 219.8 152.0 282.2



#55

Styrene

Concen: 17.369 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027415.D

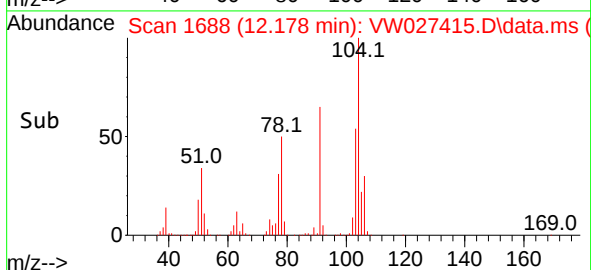
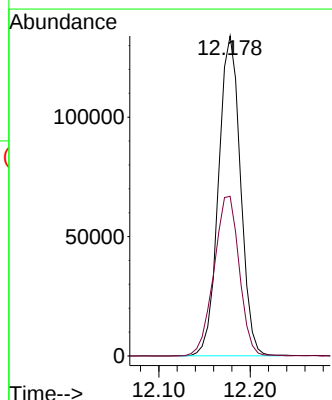
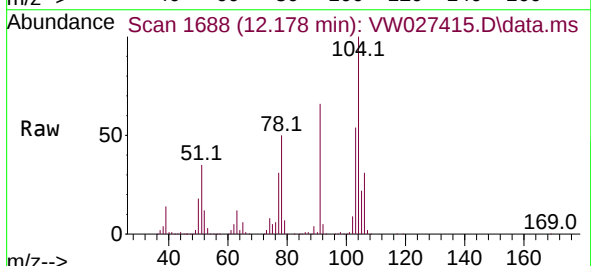
Acq: 24 Oct 2023 14:30

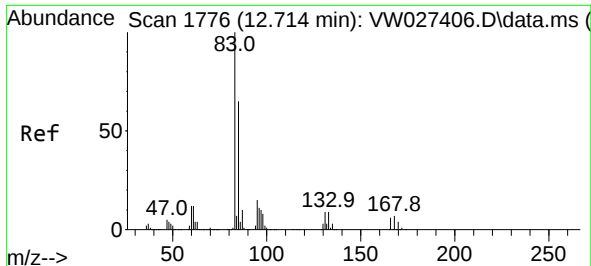
Tgt Ion:104 Resp: 223758

Ion Ratio Lower Upper

104 100

78 49.9 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 33.925 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :

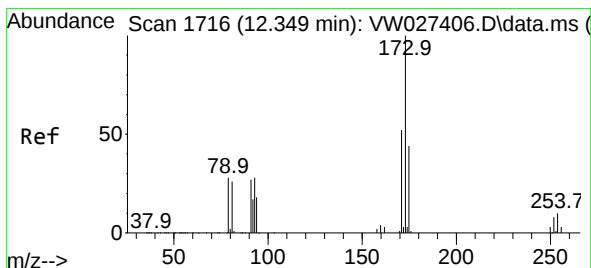
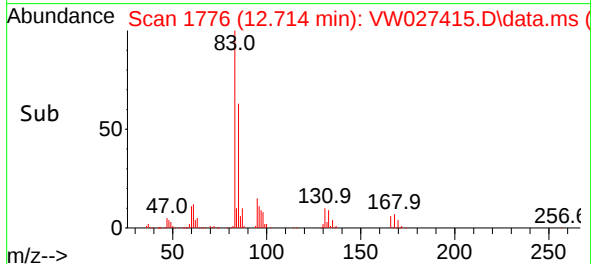
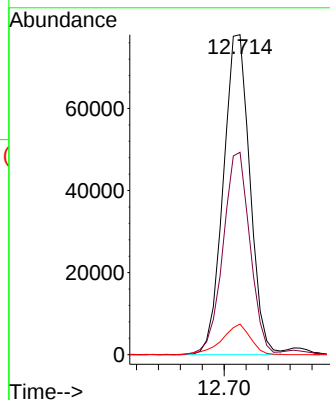
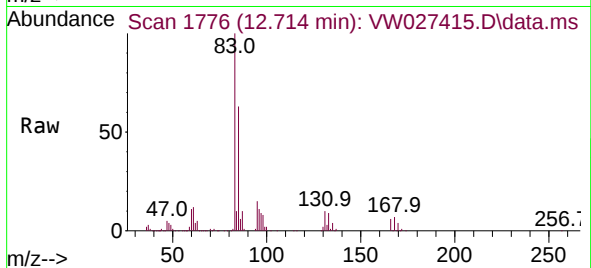
Tgt Ion: 83 Resp: 131277

Ion Ratio Lower Upper

83 100

85 63.3 43.2 80.2

131 9.5 7.2 10.8



#59

Bromoform

Concen: 61.410 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

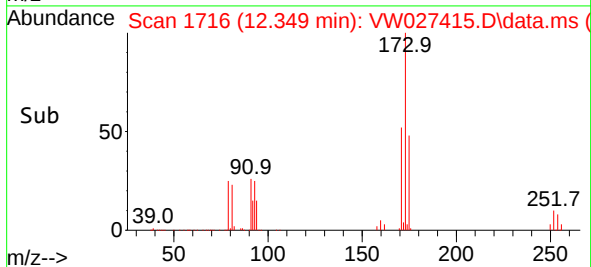
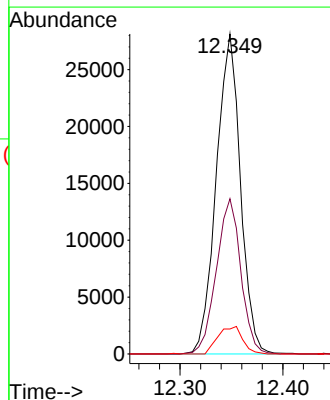
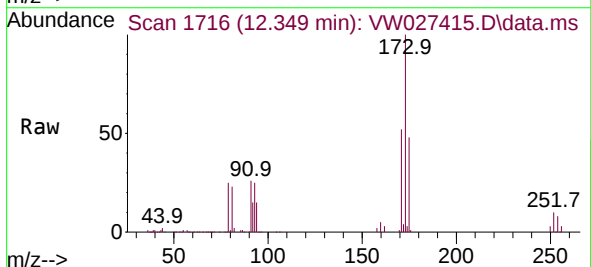
Tgt Ion: 173 Resp: 45941

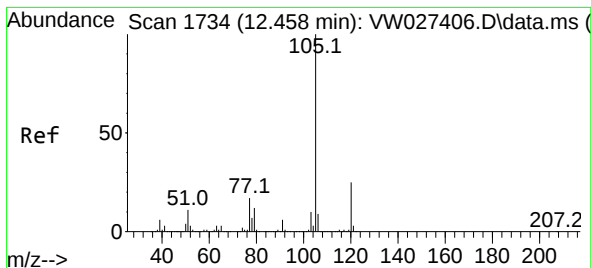
Ion Ratio Lower Upper

173 100

175 49.1 39.6 59.4

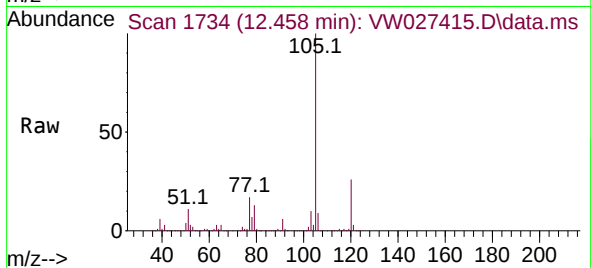
254 8.8 6.6 10.0



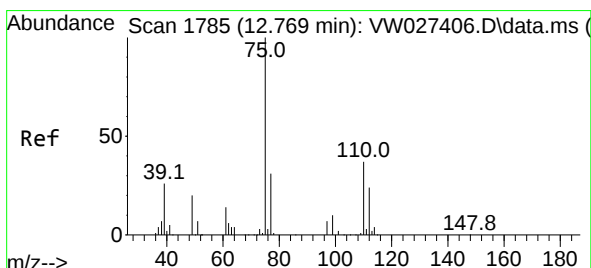
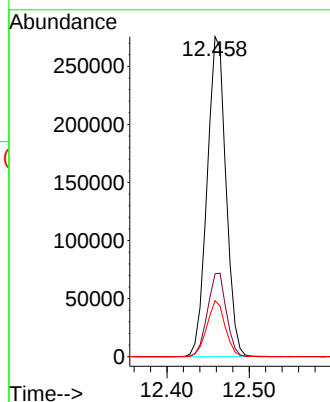
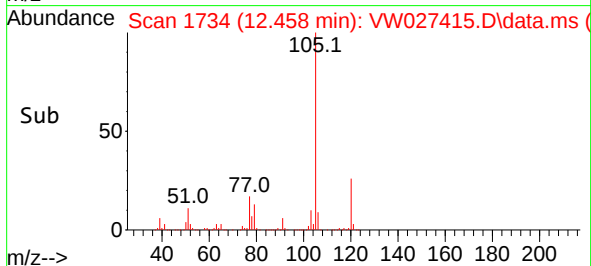


#60
Isopropylbenzene
Concen: 55.428 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

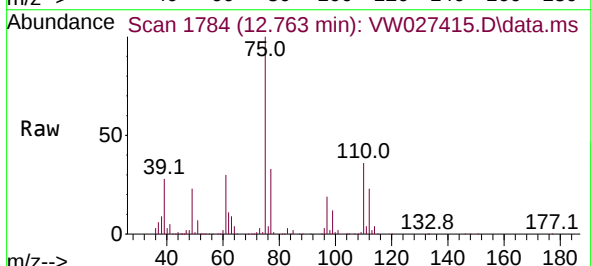
Instrument :
MSVOA_W
ClientSampleId :



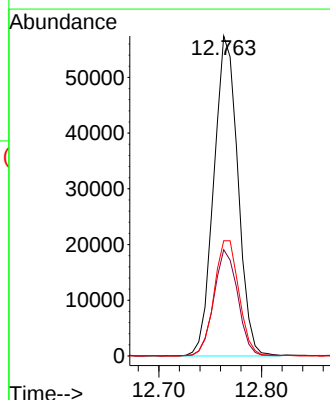
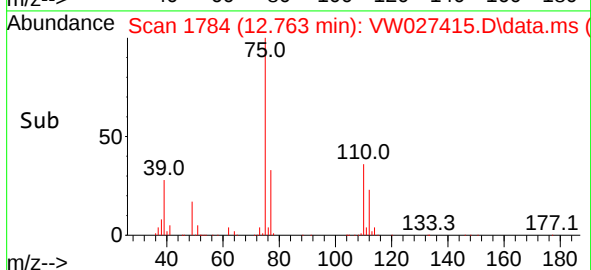
Tgt Ion:105 Resp: 437767
Ion Ratio Lower Upper
105 100
120 26.1 20.1 30.1
77 17.0 12.9 19.3

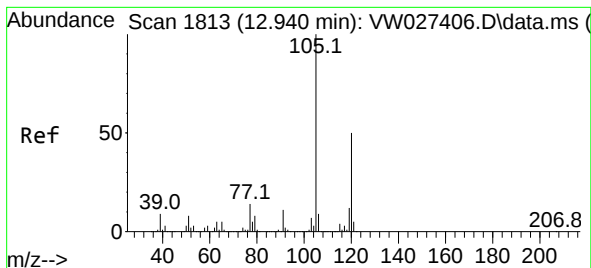


#61
1,2,3-Trichloropropane
Concen: 85.075 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30



Tgt Ion: 75 Resp: 93391
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
110 37.2 29.7 44.5

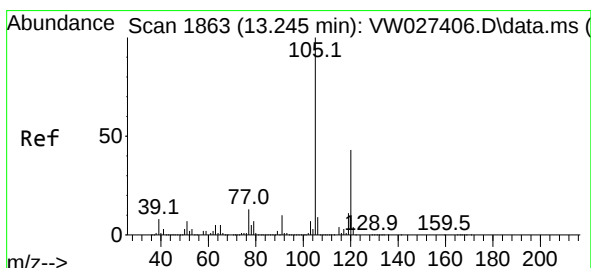
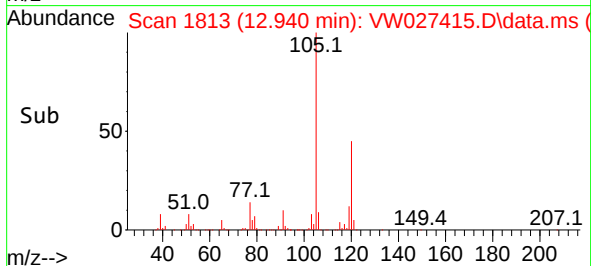
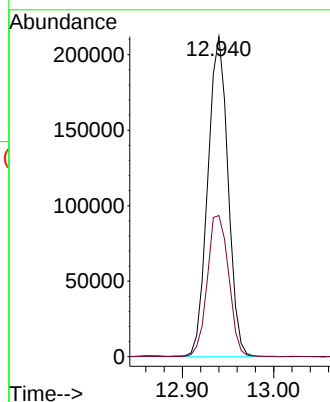
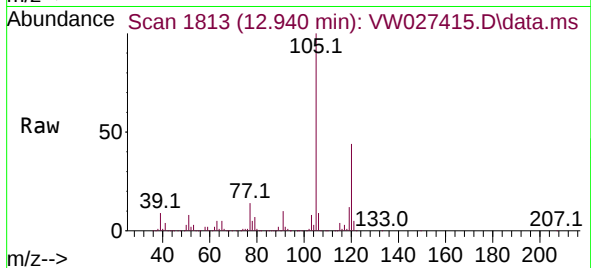




#62
1,3,5-Trimethylbenzene
Concen: 49.340 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

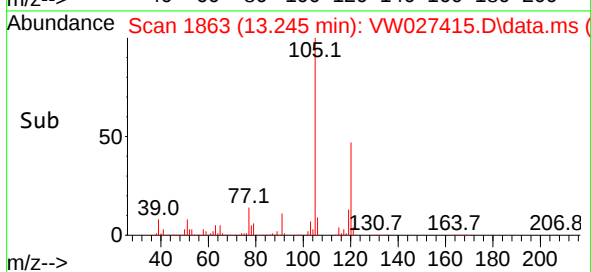
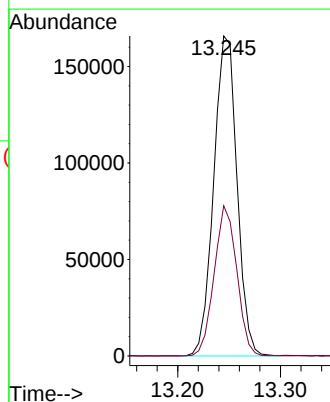
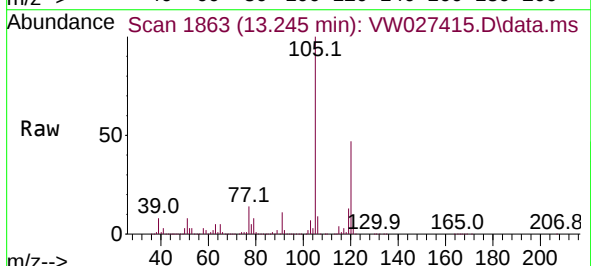
Instrument :
MSVOA_W
ClientSampleId :

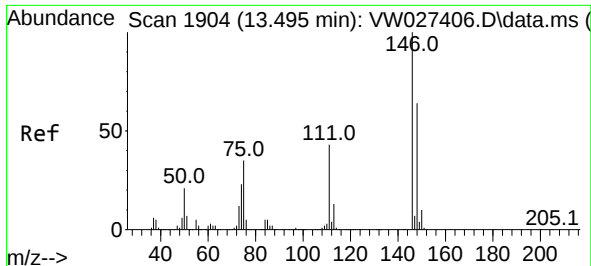
Tgt Ion:105 Resp: 325053
Ion Ratio Lower Upper
105 100
120 46.8 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 40.454 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion:105 Resp: 260762
Ion Ratio Lower Upper
105 100
120 45.6 35.4 53.2

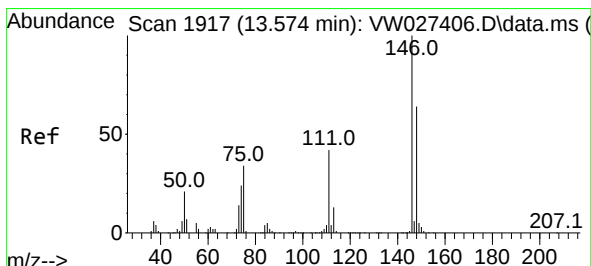
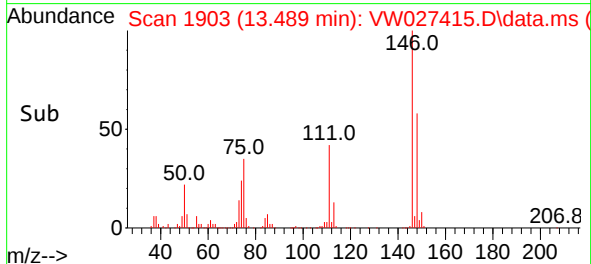
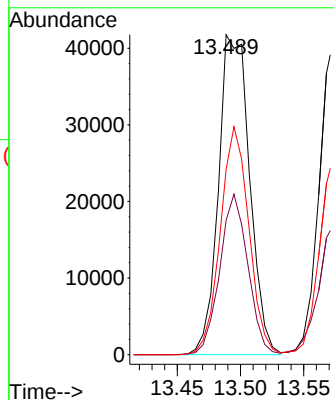
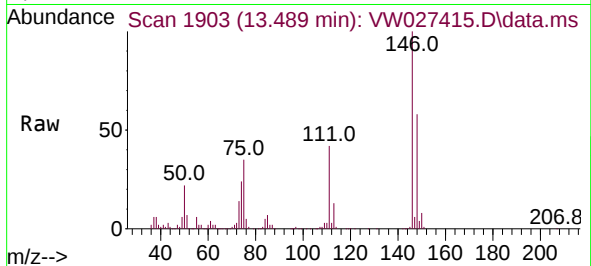




#64
1,3-Dichlorobenzene
Concen: 22.270 ug/L
RT: 13.489 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

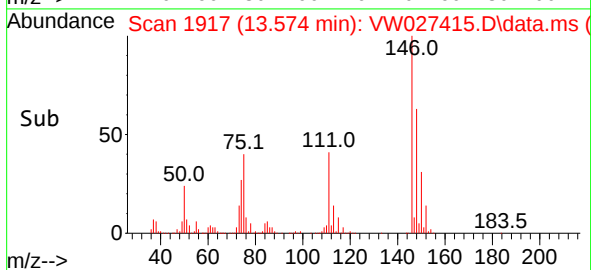
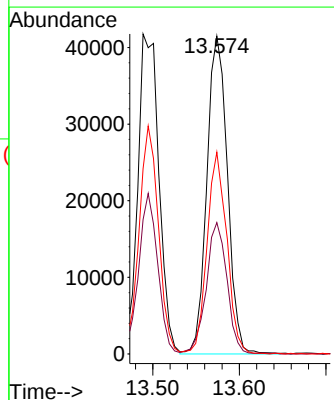
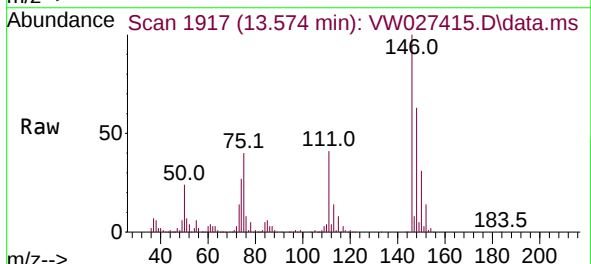
Instrument :
MSVOA_W
ClientSampleId :

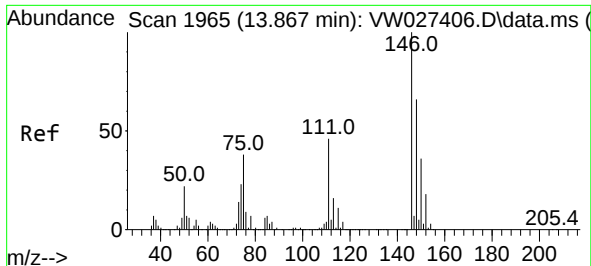
Tgt Ion:146 Resp: 71325
Ion Ratio Lower Upper
146 100
111 42.0 30.8 57.2
148 57.9 46.3 85.9



#65
1,4-Dichlorobenzene
Concen: 21.423 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027415.D
Acq: 24 Oct 2023 14:30

Tgt Ion:146 Resp: 68521
Ion Ratio Lower Upper
146 100
111 41.4 29.5 54.9
148 63.5 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 26.855 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :

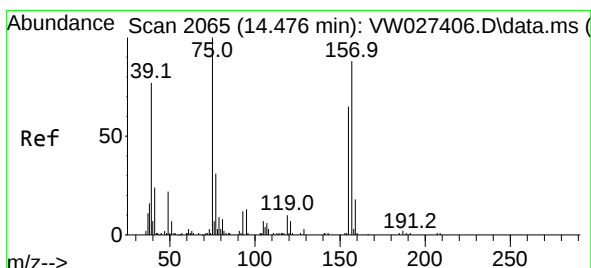
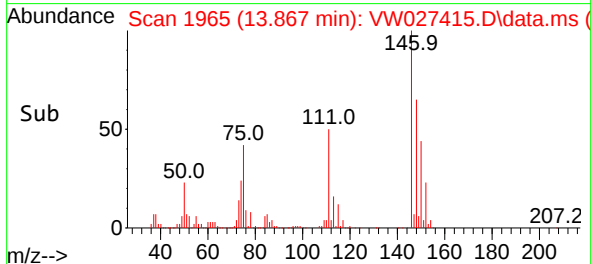
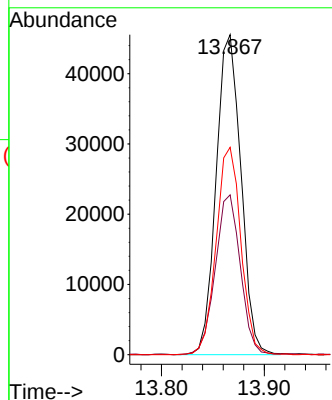
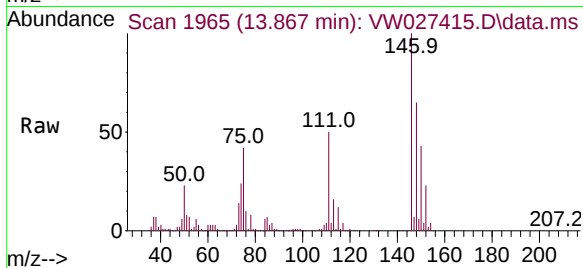
Tgt Ion:146 Resp: 76321

Ion Ratio Lower Upper

146 100

111 49.9 36.8 55.2

148 64.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 61.708 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

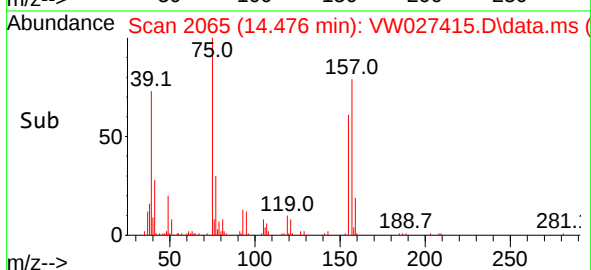
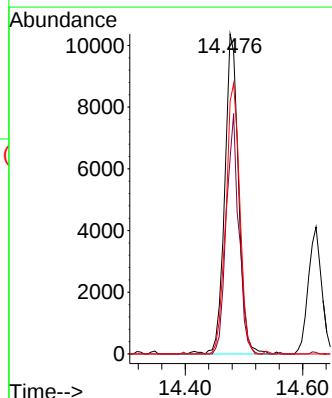
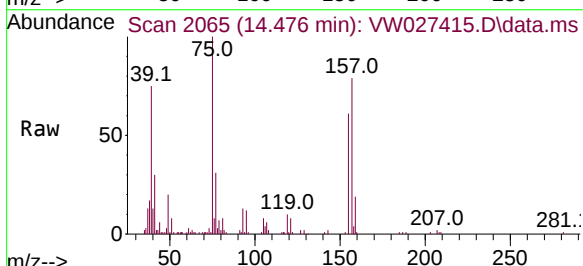
Tgt Ion: 75 Resp: 16930

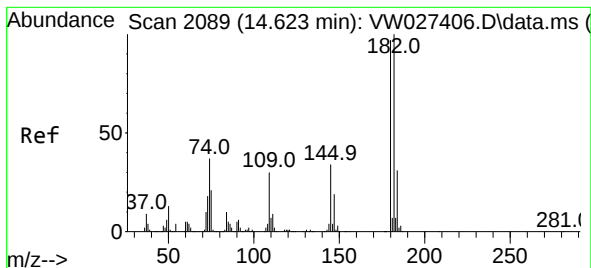
Ion Ratio Lower Upper

75 100

155 61.2 54.9 82.3

157 79.0 64.7 97.1





#69

1,3,5-Trichlorobenzene

Concen: 14.336 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

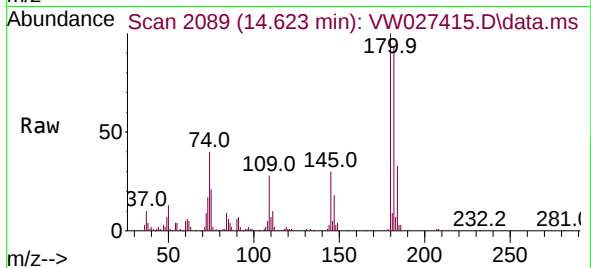
Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 29805

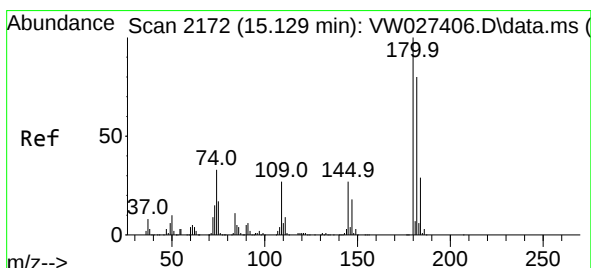
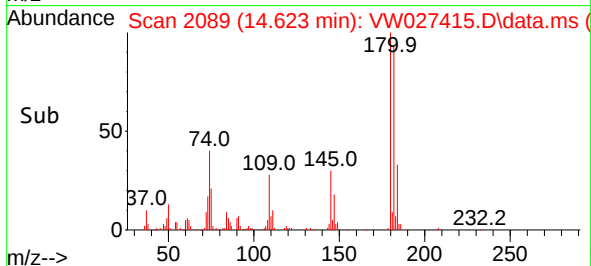
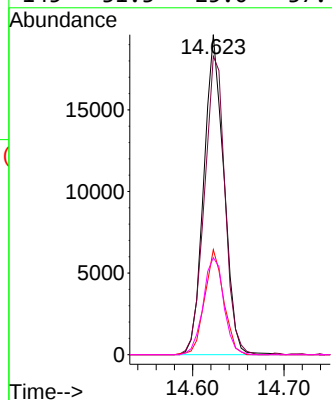
Ion Ratio Lower Upper

180 100

182 95.8 73.4 110.0

184 31.1 23.3 34.9

145 31.3 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 8.725 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

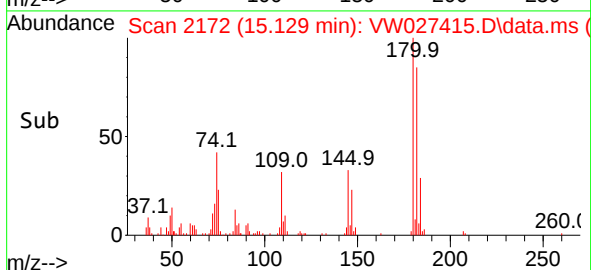
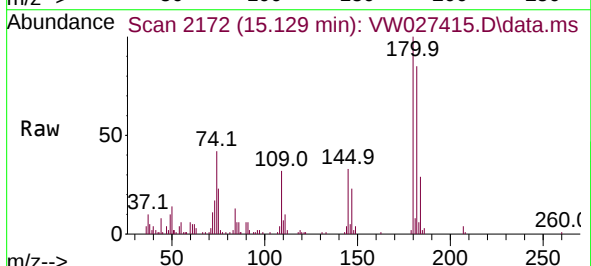
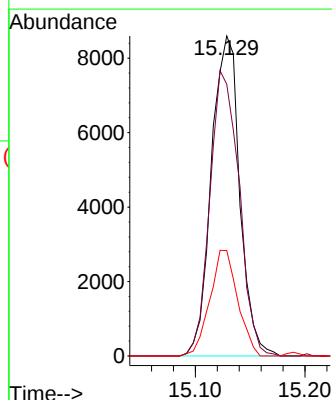
Tgt Ion:180 Resp: 15440

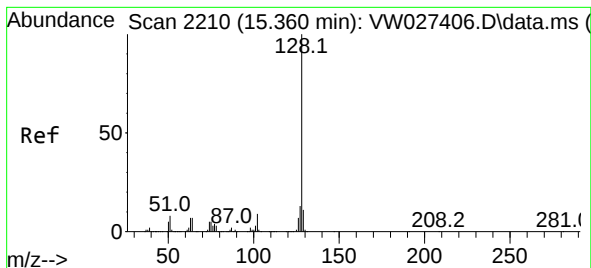
Ion Ratio Lower Upper

180 100

182 91.8 75.5 113.3

145 32.4 26.4 39.6





#71

Naphthalene

Concen: 18.762 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Instrument :

MSVOA_W

ClientSampleId :

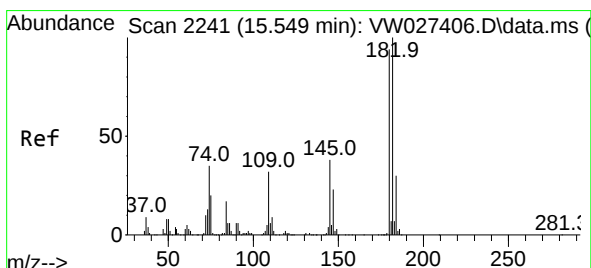
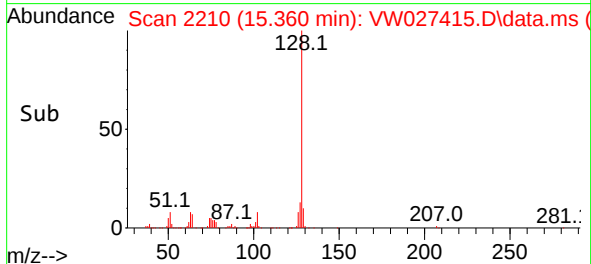
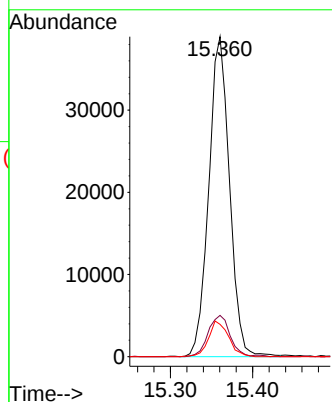
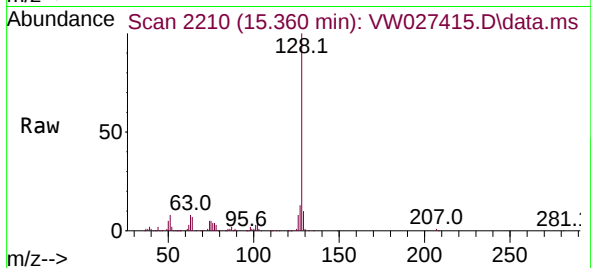
Tgt Ion:128 Resp: 68277

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 11.491 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027415.D

Acq: 24 Oct 2023 14:30

Tgt Ion:180 Resp: 16721

Ion Ratio Lower Upper

180 100

182 84.5 81.1 121.7

145 34.6 30.6 45.8

