

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
 Data File : VW026868.D
 Acq On : 24 Aug 2023 22:05
 Operator : SY/MD
 Sample : 04138-14MSD
 Misc : 4.99g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 25 05:22:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 25 05:00:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	373276	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	358335	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	204576	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	105335	17.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.680%
7) Chloroethane-d5	2.893	69	88391	19.372	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.480%
11) 1,1-Dichloroethene-d2	4.021	65	58223	19.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.160%
21) 2-Butanone-d5	7.081	46	74600	42.298	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.600%
24) Chloroform-d	7.648	84	300195	23.962	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.840%
26) 1,2-Dichloroethane-d4	8.307	65	183715	26.573	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.280%
32) Benzene-d6	8.276	84	549550	22.252	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	9.270	67	159365	20.717	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.880%
41) Toluene-d8	10.318	98	502815	23.718	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.880%
43) trans-1,3-Dichloroprop...	10.574	79	76569	24.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.440%
47) 2-Hexanone-d5	10.922	63	42407	52.463	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.920%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	146233	24.071	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.280%
66) 1,2-Dichlorobenzene-d4	13.848	152	175568	23.977	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	72811	14.347	ug/L	93
3) Chloromethane	2.222	50	84547	12.183	ug/L	97
5) Vinyl chloride	2.369	62	94990	14.318	ug/L	97
6) Bromomethane	2.783	94	62394	16.142	ug/L	93
8) Chloroethane	2.936	64	59834	15.052	ug/L	100
9) Trichlorofluoromethane	3.259	101	100107	18.387	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	98308	16.716	ug/L	94
12) 1,1-Dichloroethene	4.045	96	94492	17.127	ug/L	92
13) Acetone	4.131	43	47310	26.979	ug/L	69
14) Carbon disulfide	4.387	76	268641	13.534	ug/L	99
15) Methyl Acetate	4.673	43	57884	16.478	ug/L	93
16) Methylene chloride	4.917	84	121274	16.795	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	105613	17.154	ug/L	92
18) Methyl tert-butyl Ether	5.423	73	218962	23.505	ug/L	97
19) 1,1-Dichloroethane	6.216	63	216573	17.091	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	123518	18.665	ug/L	92
22) 2-Butanone	7.173	43	75847	29.349	ug/L	92
23) Bromochloromethane	7.514	128	58132	20.336	ug/L #	82
25) Chloroform	7.679	83	236107	19.287	ug/L	99

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 Response via : Initial Calibration

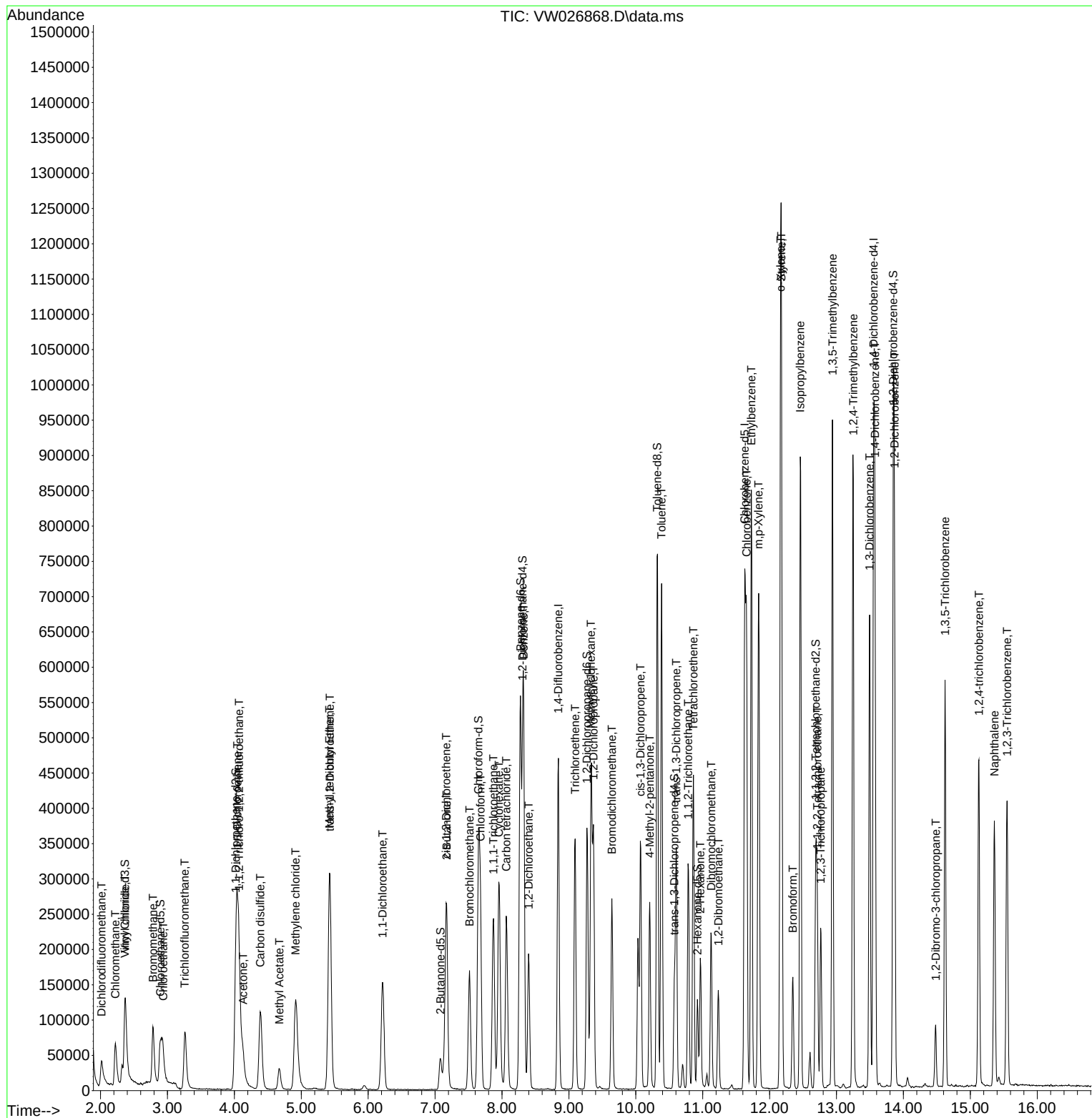
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	181670	21.273	ug/L	99
29) Cyclohexane	7.953	56	166445	15.020	ug/L	92
30) 1,1,1-Trichloroethane	7.874	97	201946	21.594	ug/L	97
31) Carbon tetrachloride	8.063	117	181358	21.210	ug/L	95
33) Benzene	8.325	78	465072	17.822	ug/L	100
34) Trichloroethene	9.093	95	122088	18.370	ug/L	91
35) Methylcyclohexane	9.331	83	175880	15.469	ug/L	94
37) 1,2-Dichloropropane	9.367	63	121000	16.929	ug/L #	97
38) Bromodichloromethane	9.642	83	171068	20.402	ug/L	100
39) cis-1,3-Dichloropropene	10.068	75	199436	19.396	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	170593	36.692	ug/L	96
42) Toluene	10.386	91	495075	18.755	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	179614	20.294	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	95583	19.553	ug/L	97
46) Tetrachloroethene	10.861	164	100539	20.823	ug/L	92
48) 2-Hexanone	10.965	43	116190	36.727	ug/L	98
49) Dibromochloromethane	11.129	129	115950	22.679	ug/L	92
50) 1,2-Dibromoethane	11.233	107	91788	20.012	ug/L	89
51) Chlorobenzene	11.654	112	333096	19.977	ug/L	98
52) Ethylbenzene	11.727	91	577580	19.511	ug/L	100
53) m,p-Xylene	11.836	106	220578	20.114	ug/L	88
54) o-Xylene	12.166	106	212181	20.731	ug/L	93
55) Styrene	12.178	104	371569	20.879	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	119193	19.253	ug/L	95
59) Bromoform	12.349	173	75531	23.569	ug/L	98
60) Isopropylbenzene	12.458	105	575382	18.917	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	91993	18.538	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	483806	20.125	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	468780	19.899	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	262882	19.874	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	270935	19.627	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	241281	20.059	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	23423	19.579	ug/L	97
69) 1,3,5-Trichlorobenzene	14.623	180	160706	17.983	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	145994	19.268	ug/L	96
71) Naphthalene	15.360	128	315866	21.854	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	141746	20.741	ug/L	96

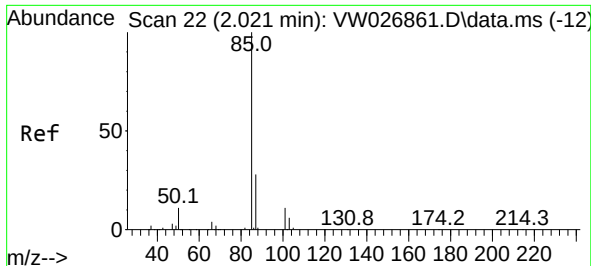
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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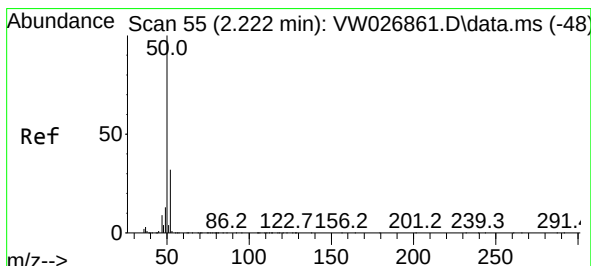
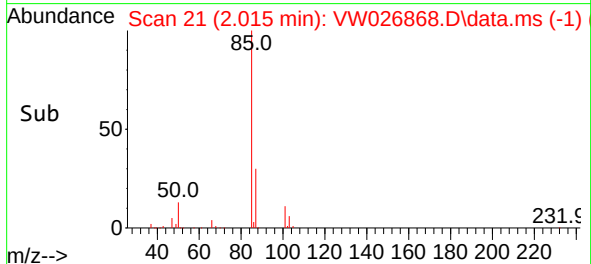
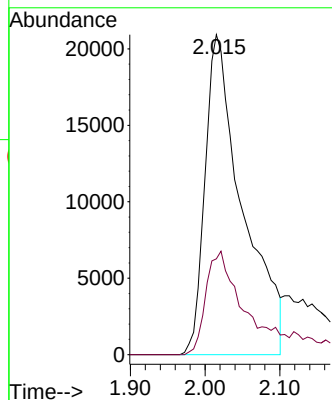
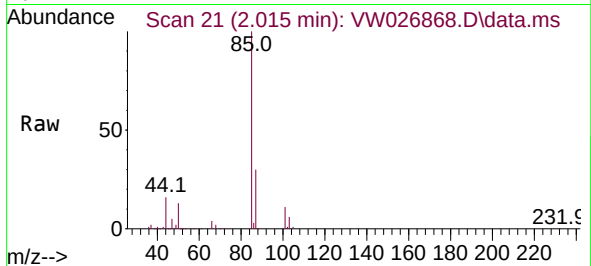




#2
 Dichlorodifluoromethane
 Concen: 14.347 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026868.D
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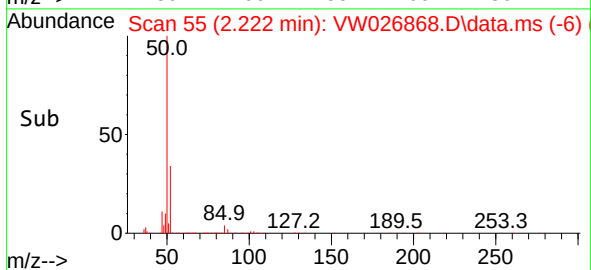
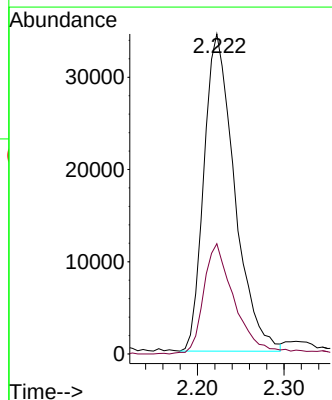
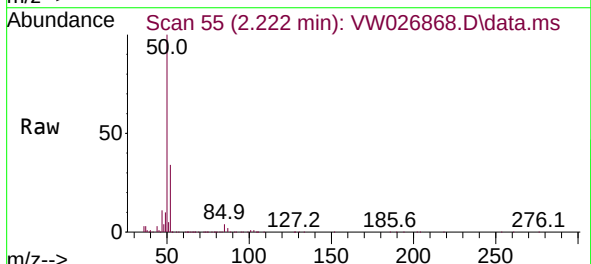
Instrument :
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 ClientSampleId :

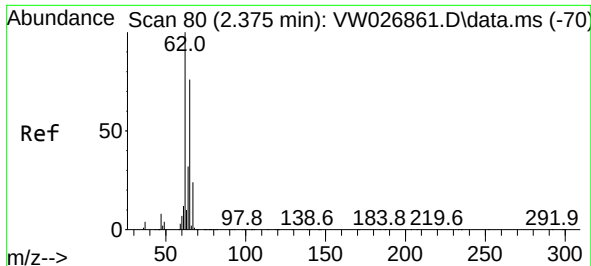
Tgt Ion: 85 Resp: 72811
 Ion Ratio Lower Upper
 85 100
 87 28.1 19.5 29.3



#3
 Chloromethane
 Concen: 12.183 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

Tgt Ion: 50 Resp: 84547
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.0 42.8

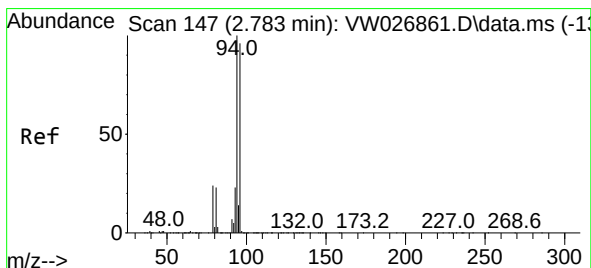
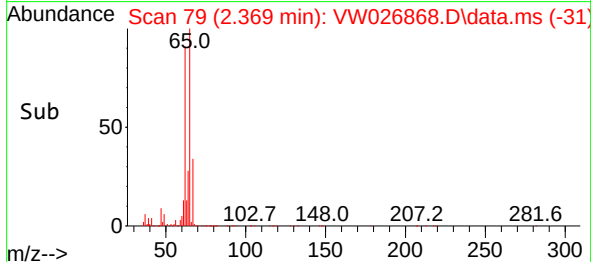
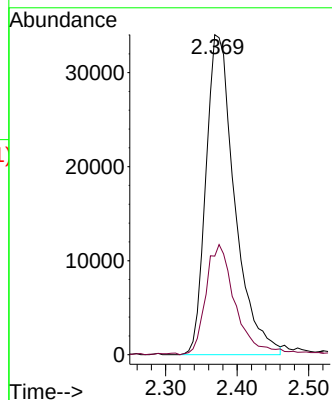
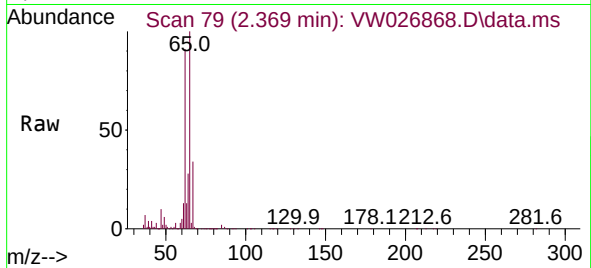




#5
 Vinyl chloride
 Concen: 14.318 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

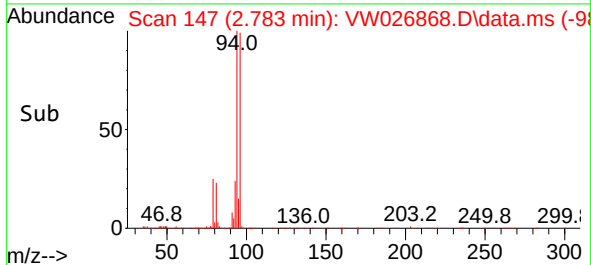
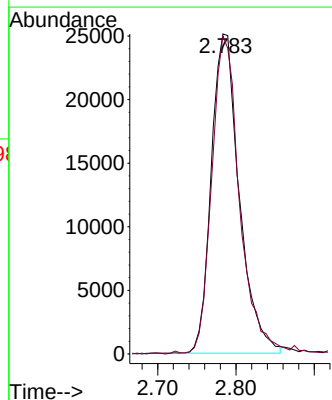
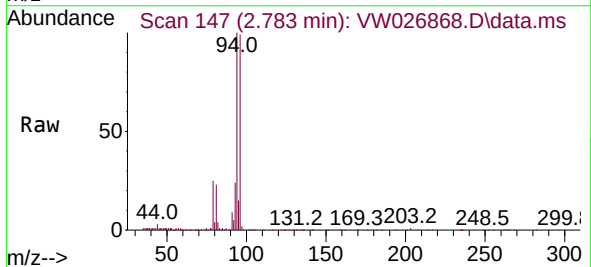
Instrument :
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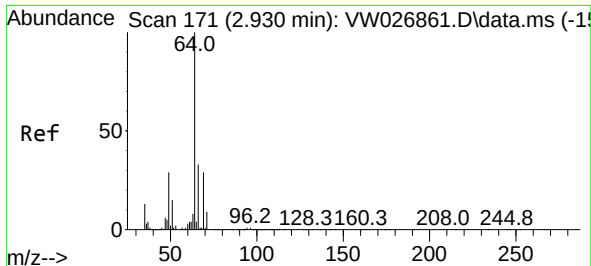
Tgt Ion: 62 Resp: 94990
 Ion Ratio Lower Upper
 62 100
 64 30.8 22.7 42.3



#6
 Bromomethane
 Concen: 16.142 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

Tgt Ion: 94 Resp: 62394
 Ion Ratio Lower Upper
 94 100
 96 99.3 64.8 120.3

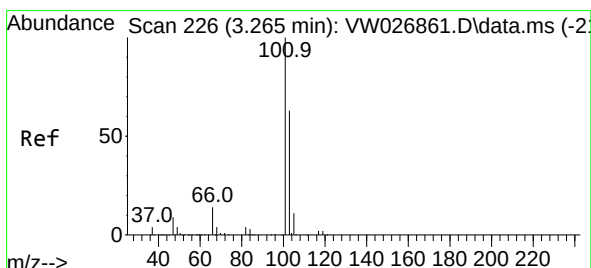
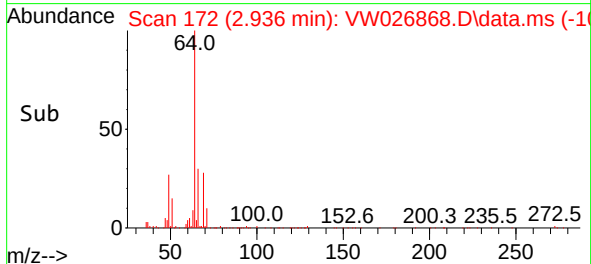
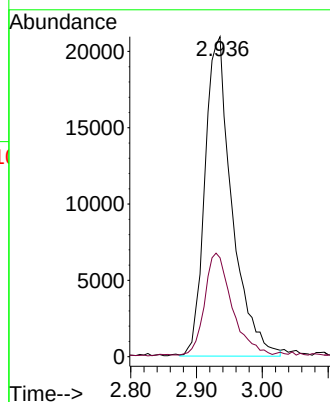
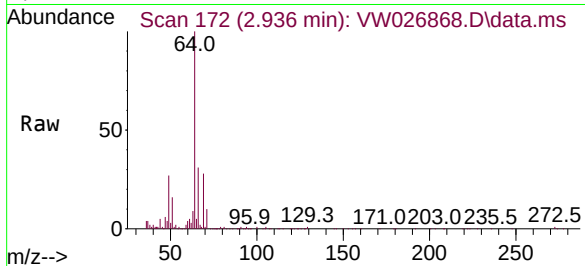




#8
Chloroethane
Concen: 15.052 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

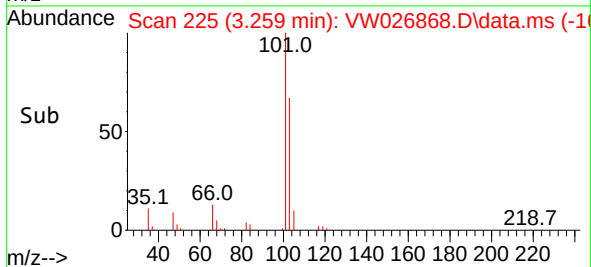
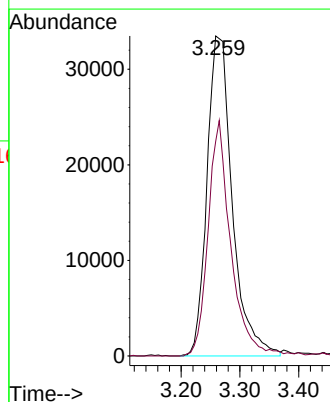
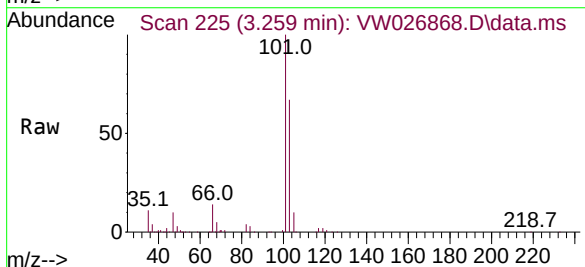
Instrument :
MSVOA_W
ClientSampleId :

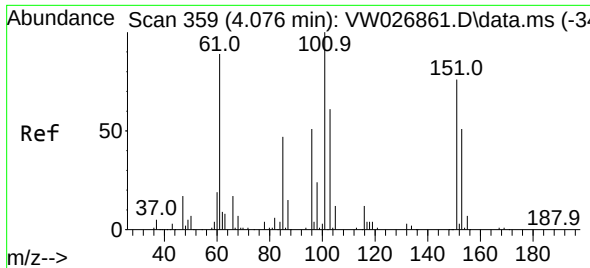
Tgt Ion: 64 Resp: 59834
Ion Ratio Lower Upper
64 100
66 30.9 21.7 40.3



#9
Trichlorofluoromethane
Concen: 18.387 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion:101 Resp: 100107
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

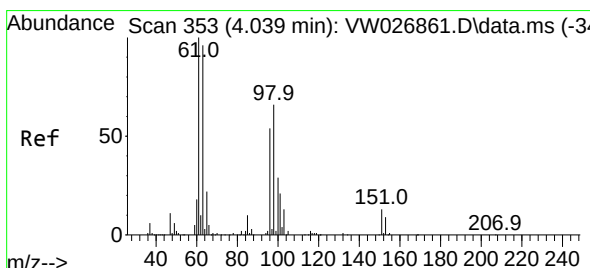
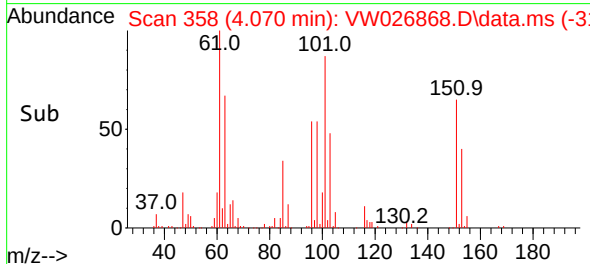
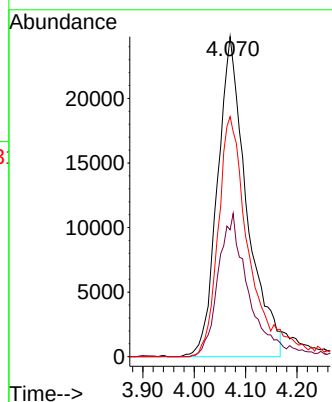
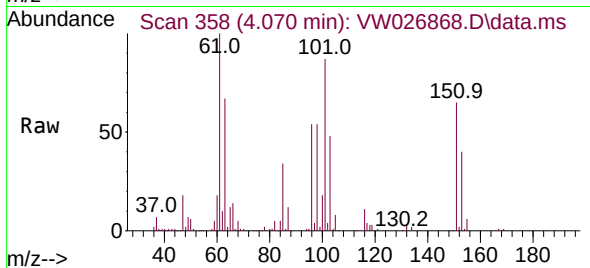




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 16.716 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW026868.D
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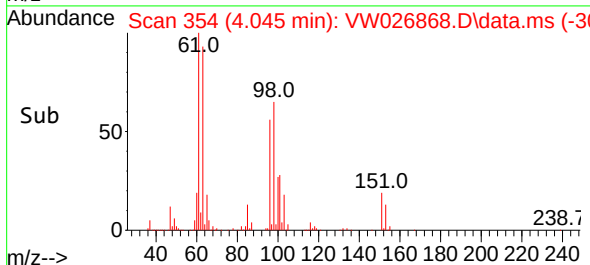
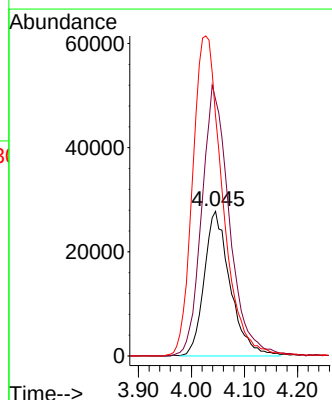
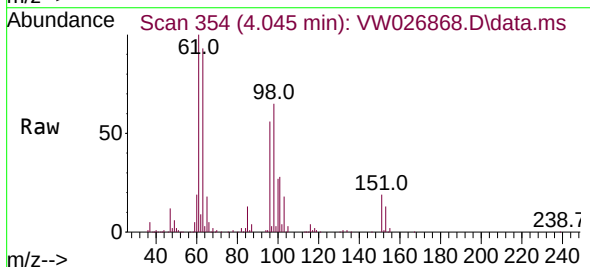
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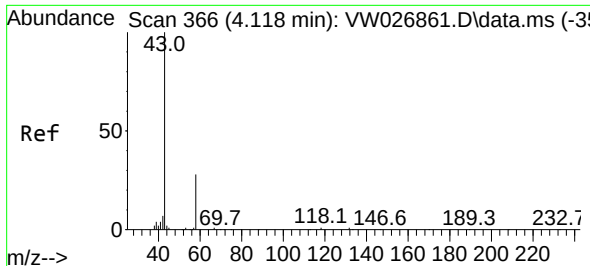
Tgt Ion:101 Resp: 98308
 Ion Ratio Lower Upper
 101 100
 85 45.2 32.8 49.2
 151 72.5 54.4 81.6



#12
 1,1-Dichloroethene
 Concen: 17.127 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

Tgt Ion: 96 Resp: 94492
 Ion Ratio Lower Upper
 96 100
 61 177.4 133.2 247.4
 63 165.8 109.0 202.4

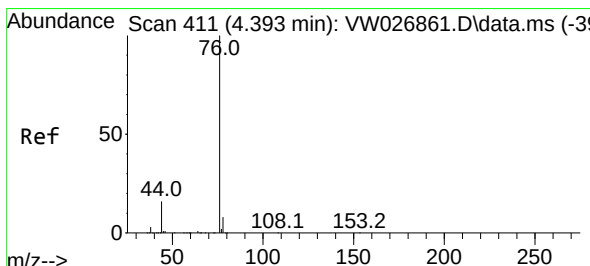
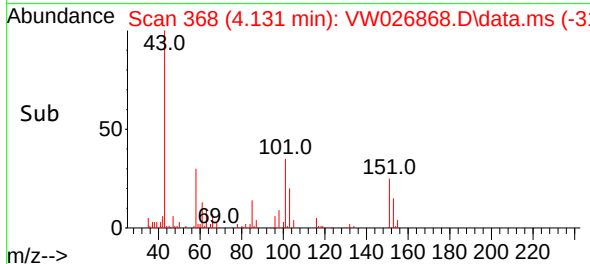
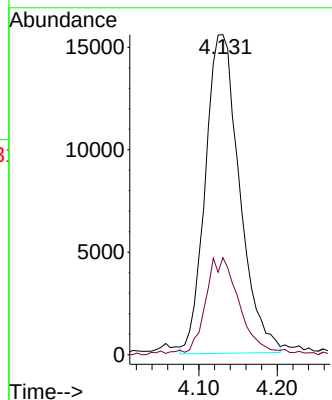
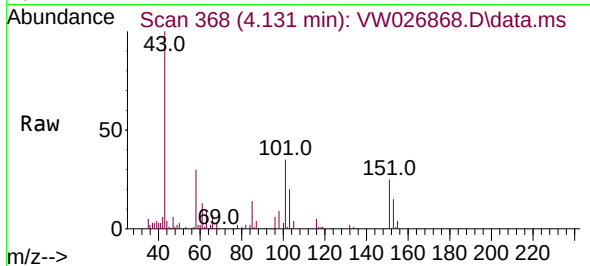




#13
Acetone
Concen: 26.979 ug/L
RT: 4.131 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

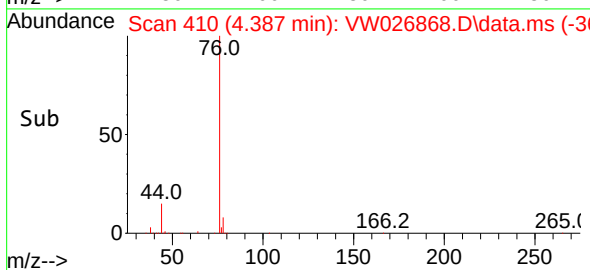
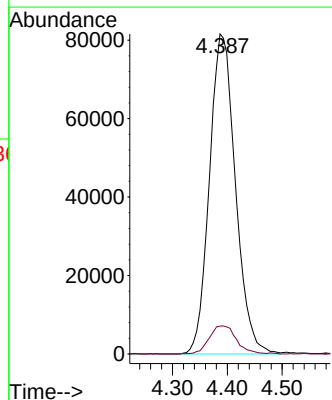
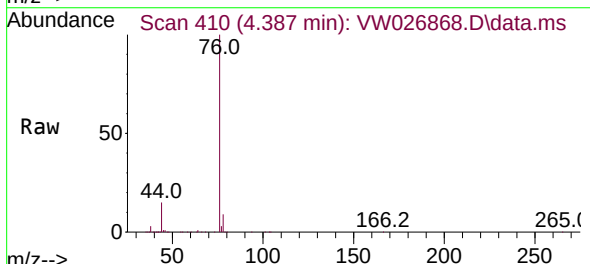
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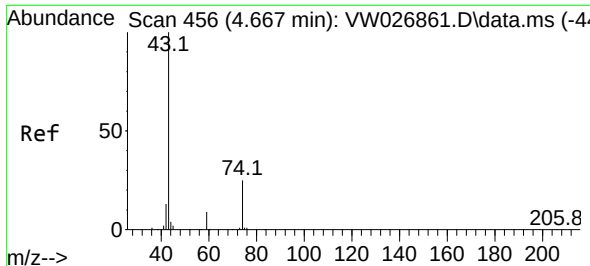
Tgt Ion: 43 Resp: 47310
Ion Ratio Lower Upper
43 100
58 12.0 0.0 57.4



#14
Carbon disulfide
Concen: 13.534 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 268641
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

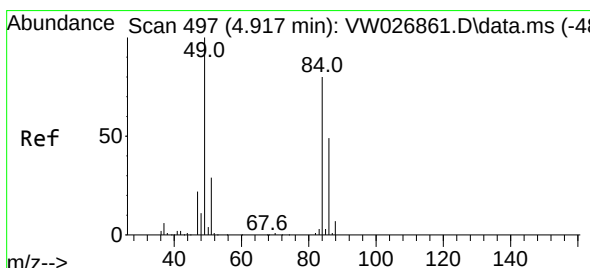
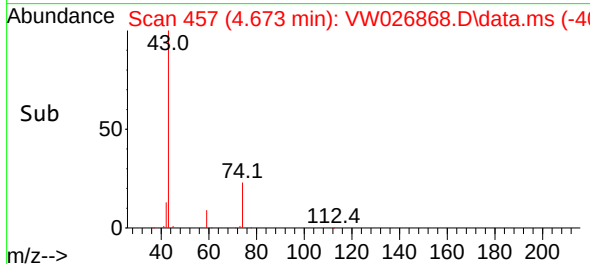
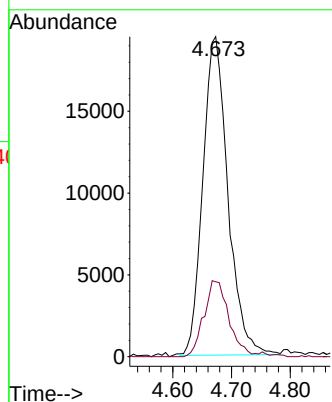
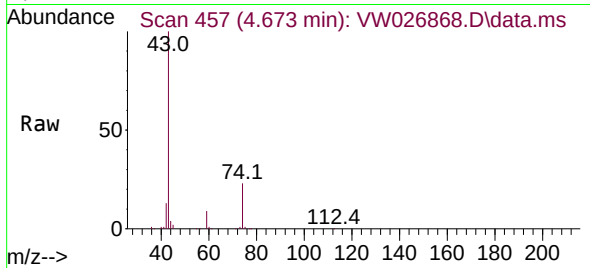




#15
Methyl Acetate
Concen: 16.478 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

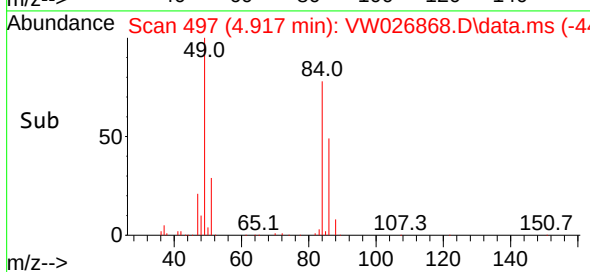
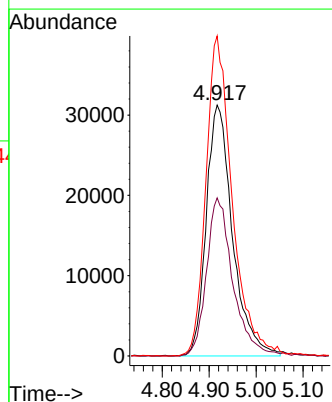
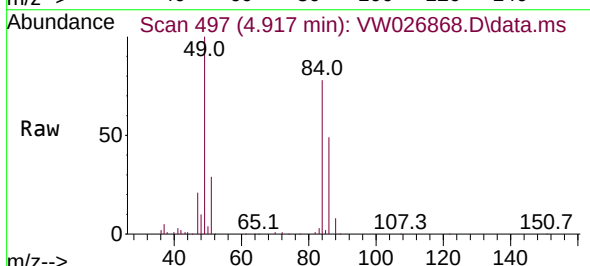
Instrument :
MSVOA_W
ClientSampleId :

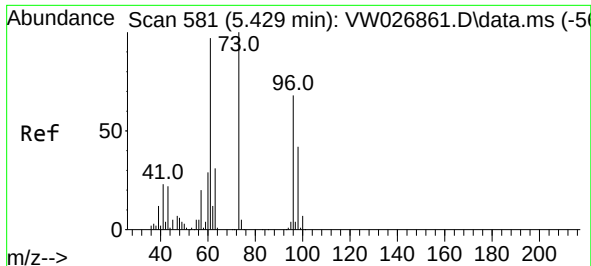
Tgt Ion: 43 Resp: 57884
Ion Ratio Lower Upper
43 100
74 23.5 16.4 24.6



#16
Methylene chloride
Concen: 16.795 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 84 Resp: 121274
Ion Ratio Lower Upper
84 100
86 63.0 43.5 80.9
49 127.5 96.0 178.2

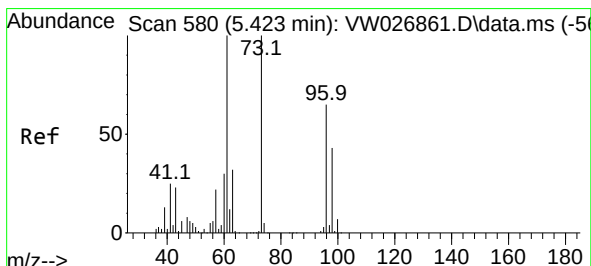
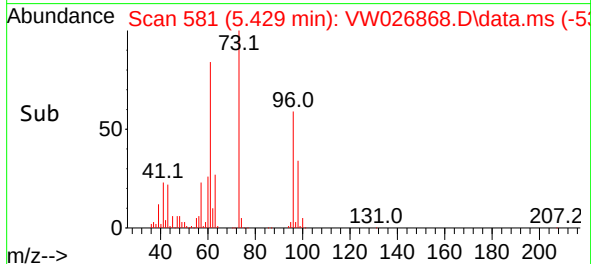
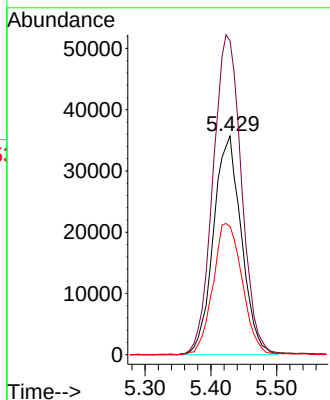
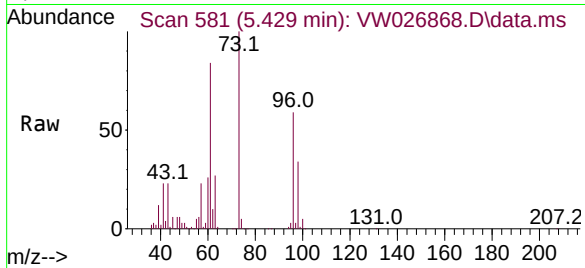




#17
trans-1,2-Dichloroethene
Concen: 17.154 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

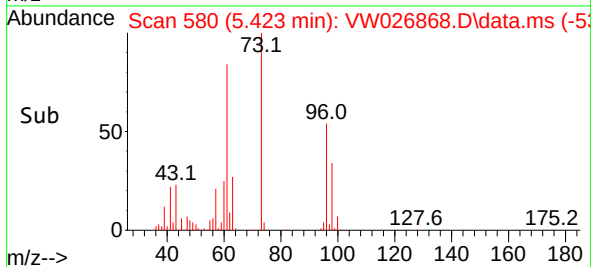
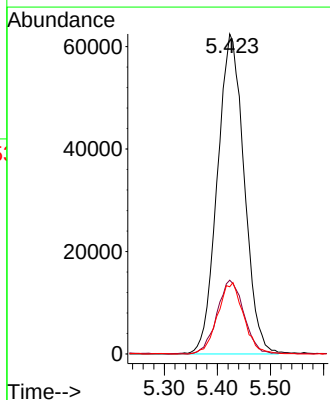
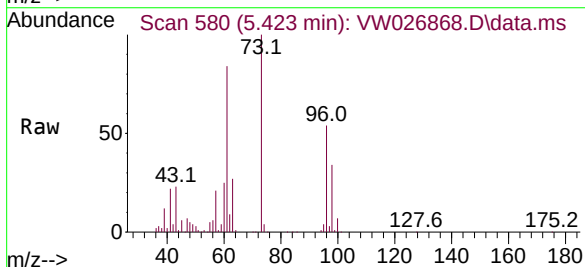
Instrument :
MSVOA_W
ClientSampleId :

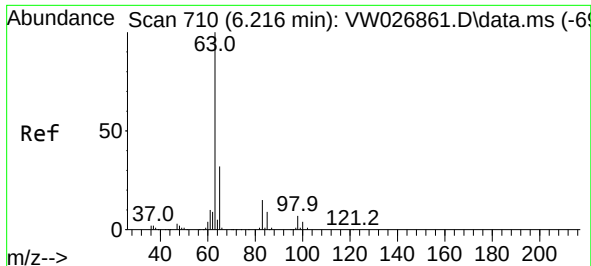
Tgt Ion: 96 Resp: 105613
Ion Ratio Lower Upper
96 100
61 143.5 109.4 203.2
98 58.6 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 23.505 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 73 Resp: 218962
Ion Ratio Lower Upper
73 100
43 23.0 18.0 27.0
57 21.7 19.3 28.9





#19

1,1-Dichloroethane

Concen: 17.091 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :

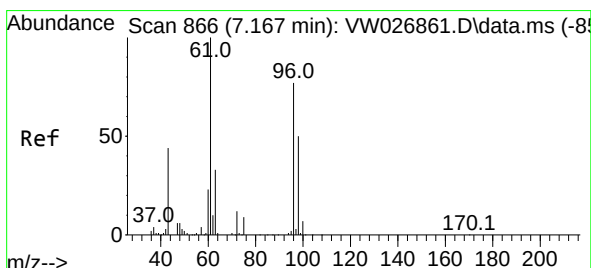
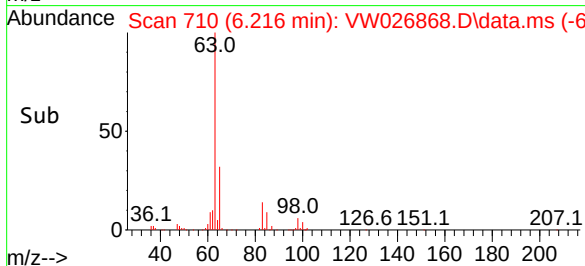
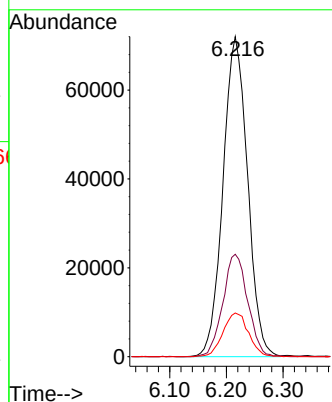
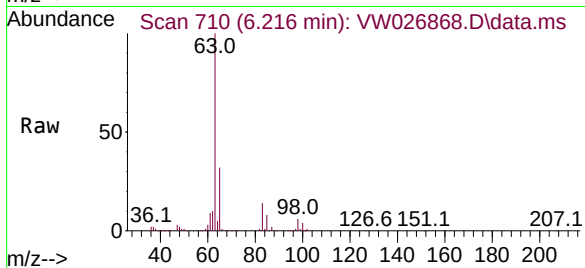
Tgt Ion: 63 Resp: 216573

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.6

83 13.7 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 18.665 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

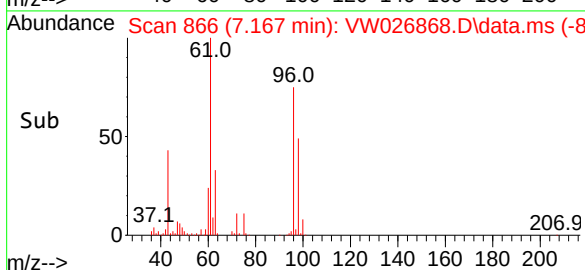
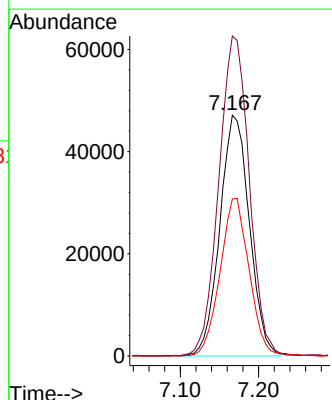
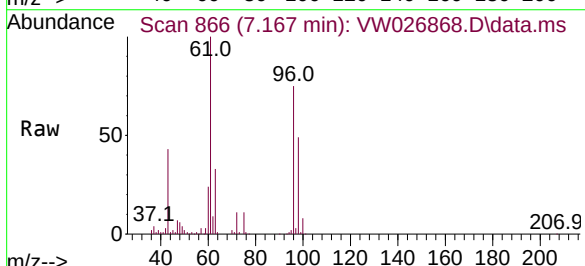
Tgt Ion: 96 Resp: 123518

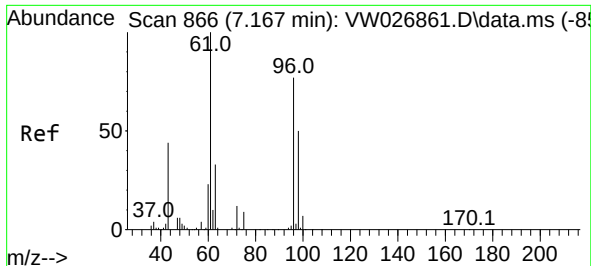
Ion Ratio Lower Upper

96 100

61 132.9 101.2 188.0

98 65.1 43.8 81.3

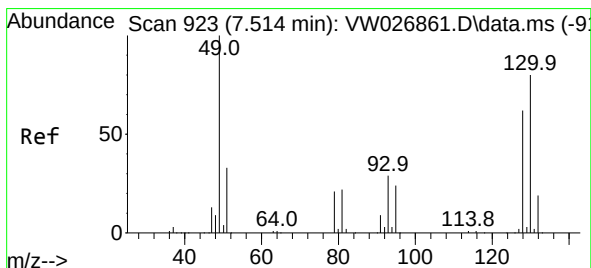
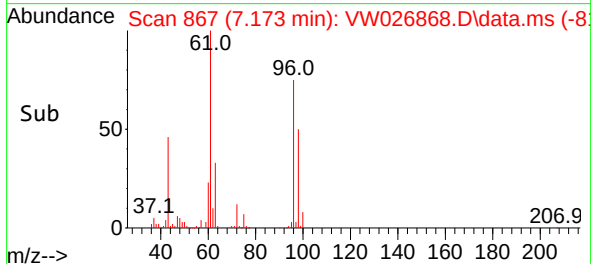
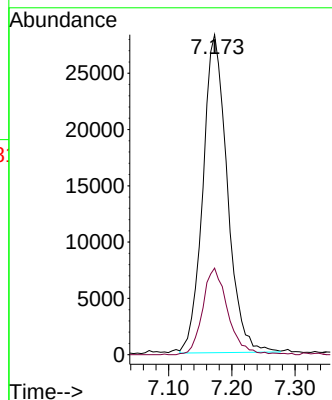
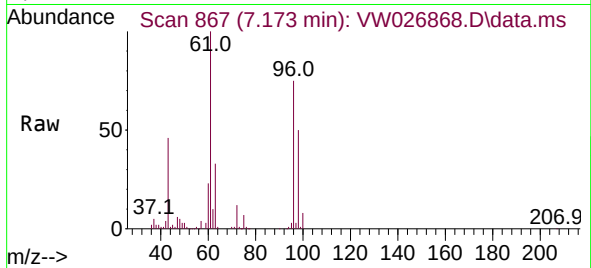




#22
2-Butanone
Concen: 29.349 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

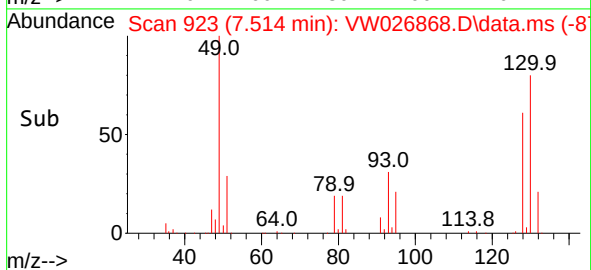
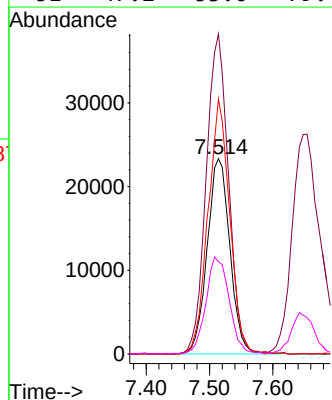
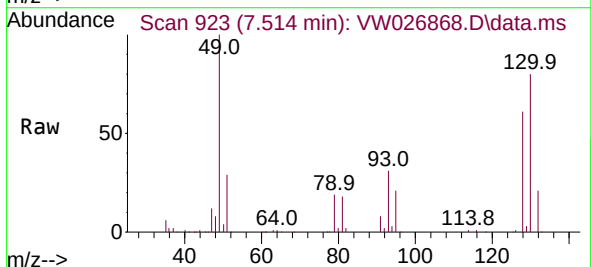
Instrument :
MSVOA_W
ClientSampleId :

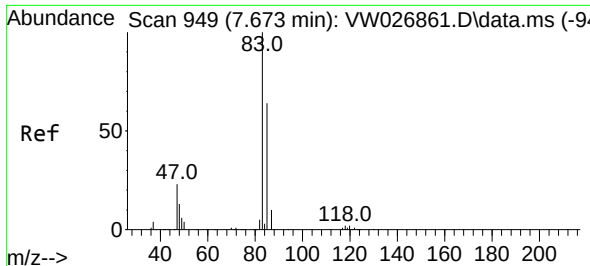
Tgt Ion: 43 Resp: 75847
Ion Ratio Lower Upper
43 100
72 27.6 11.8 35.4



#23
Bromochloromethane
Concen: 20.336 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 128 Resp: 58132
Ion Ratio Lower Upper
128 100
49 163.8 143.1 265.7
130 130.5 91.8 170.4
51 47.2 53.0 79.4#

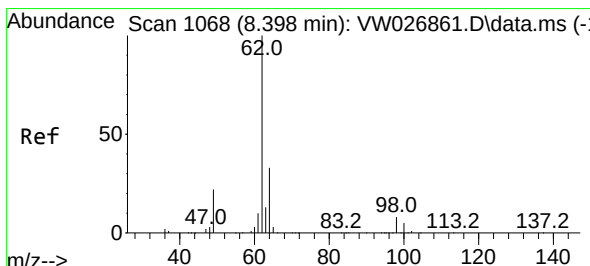
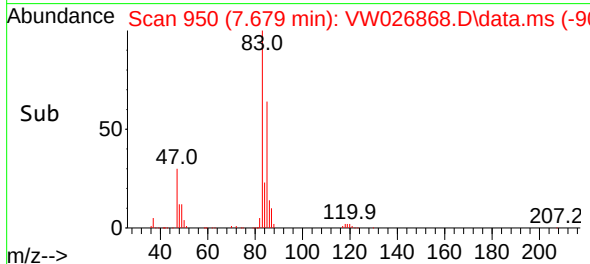
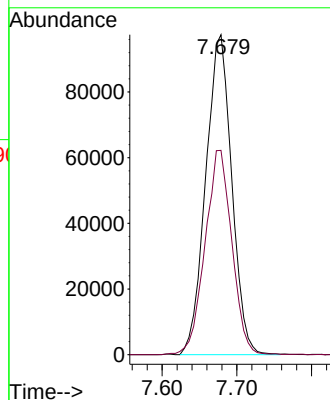
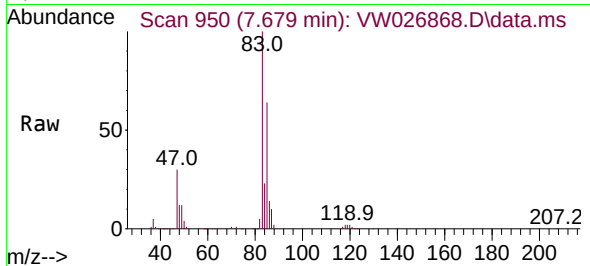




#25
Chloroform
Concen: 19.287 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

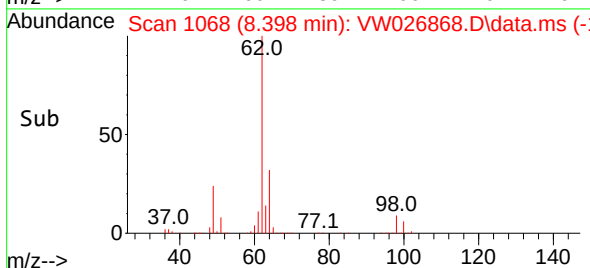
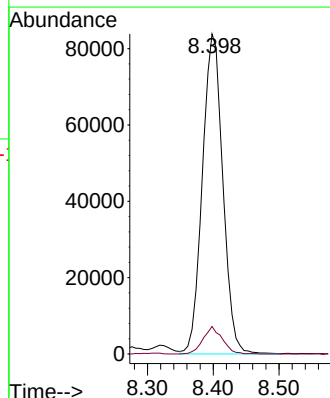
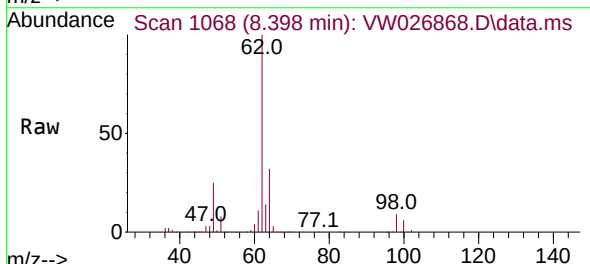
Instrument :
MSVOA_W
ClientSampleId :

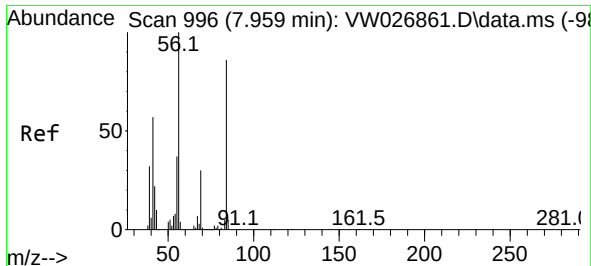
Tgt Ion: 83 Resp: 236107
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 21.273 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 62 Resp: 181670
Ion Ratio Lower Upper
62 100
98 8.6 7.1 10.7





#29

Cyclohexane

Concen: 15.020 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

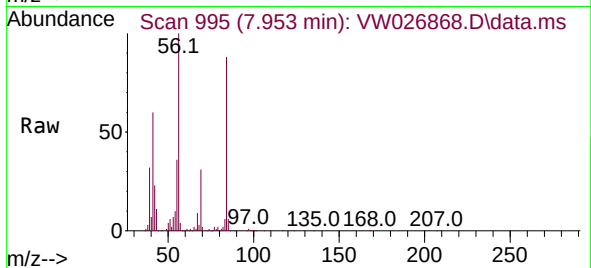
Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

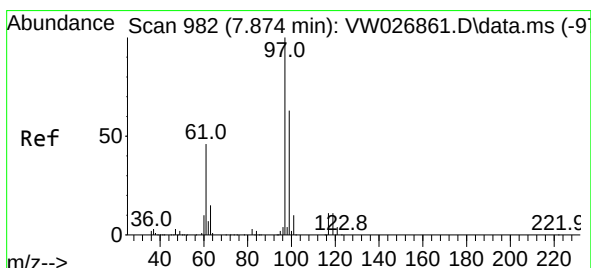
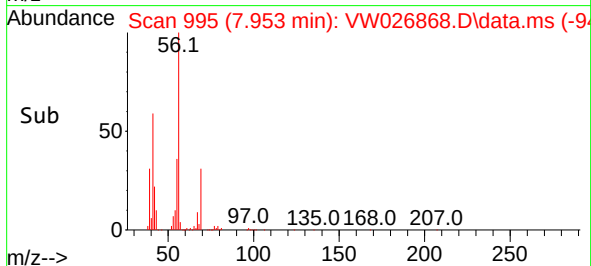
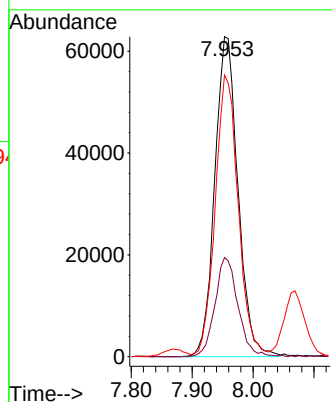
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	166445
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.2	34.8
84	87.2	62.7	94.1



#30

1,1,1-Trichloroethane

Concen: 21.594 ug/L

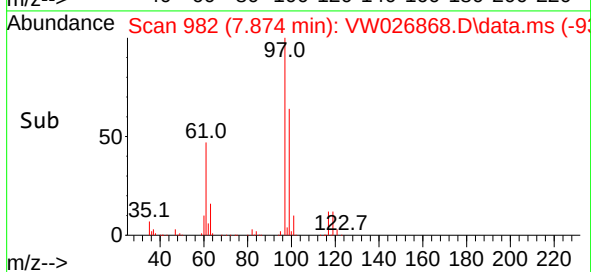
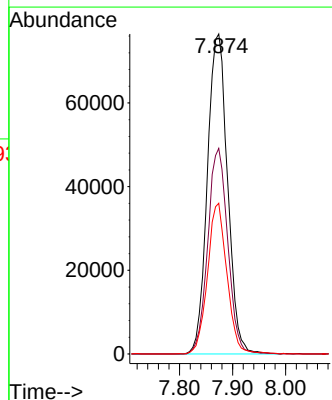
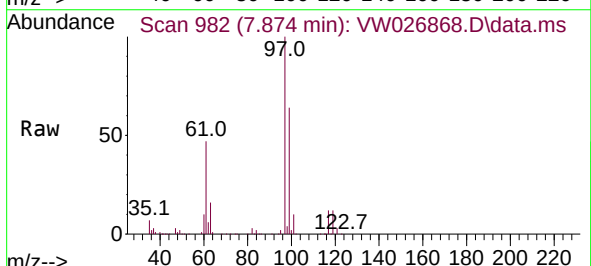
RT: 7.874 min Scan# 982

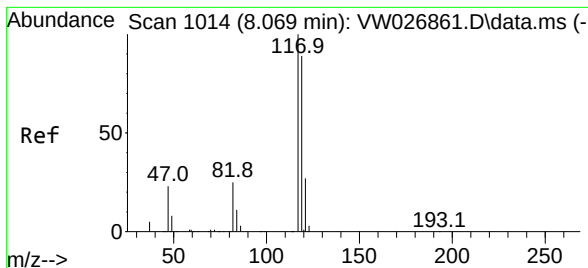
Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Tgt Ion:	97	Resp:	201946
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	45.2	39.2	58.8





#31

Carbon tetrachloride

Concen: 21.210 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. -0.006 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

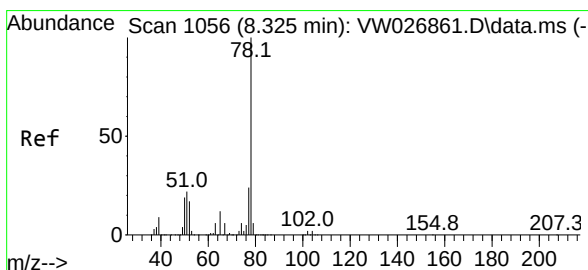
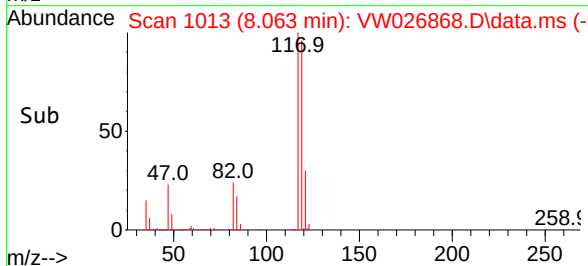
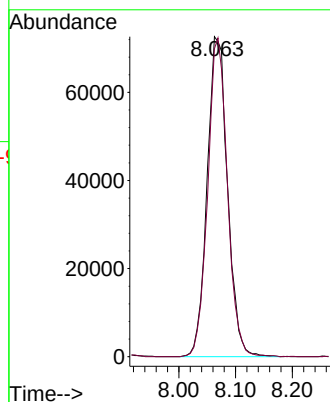
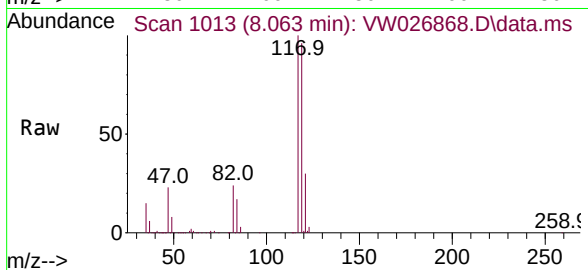
ClientSampleId :

Tgt Ion:117 Resp: 181358

Ion Ratio Lower Upper

117 100

119 96.0 73.0 109.4



#33

Benzene

Concen: 17.822 ug/L

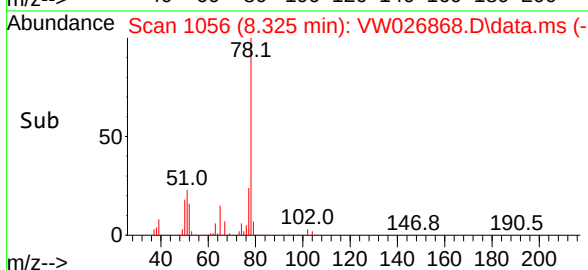
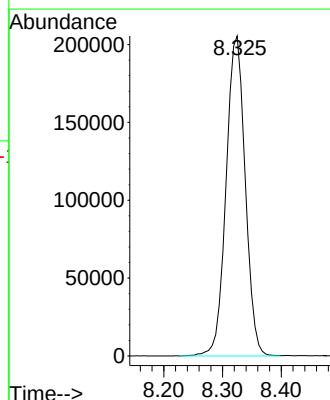
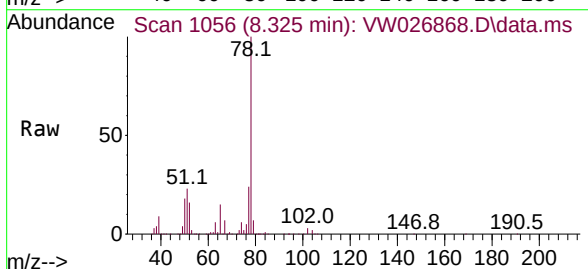
RT: 8.325 min Scan# 1056

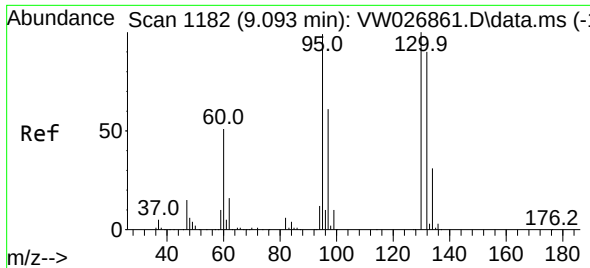
Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Tgt Ion: 78 Resp: 465072



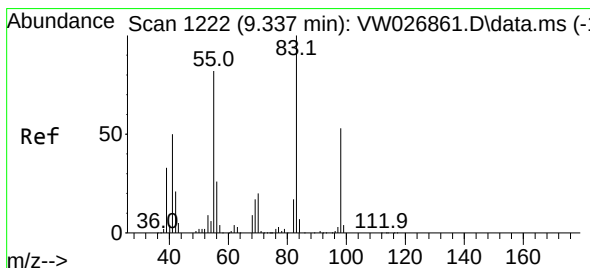
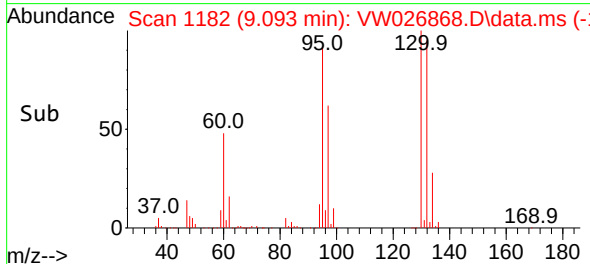
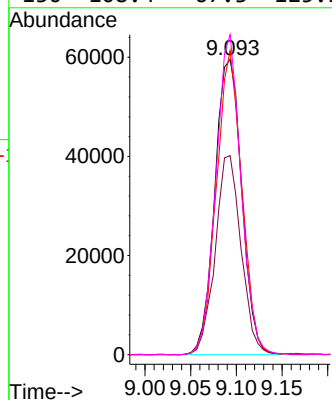
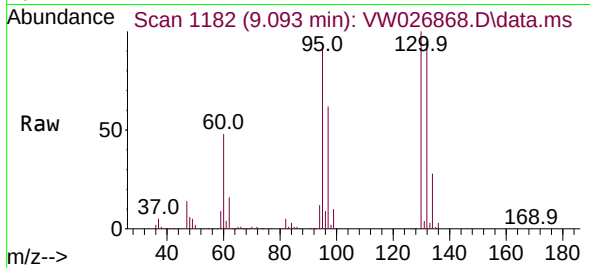


#34
 Trichloroethene
 Concen: 18.370 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. -0.000 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 95 Resp: 122088

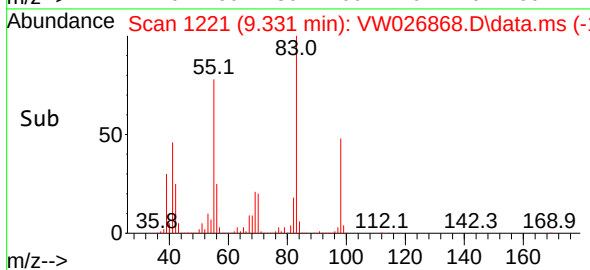
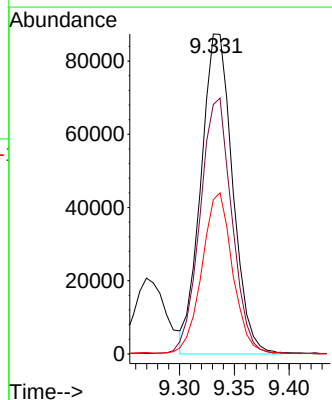
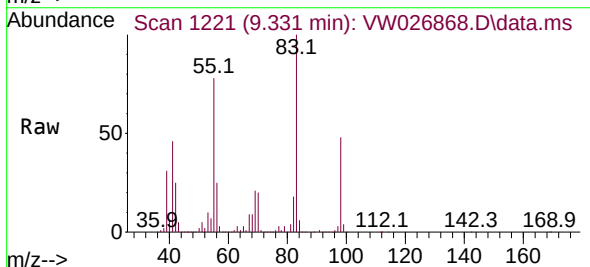
Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.6	82.8
132	103.0	66.4	123.2
130	108.4	67.3	125.1

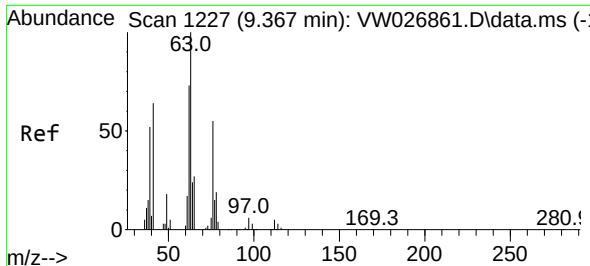


#35
 Methylcyclohexane
 Concen: 15.469 ug/L
 RT: 9.331 min Scan# 1221
 Delta R.T. -0.006 min
 Lab File: VW026868.D
 Acq: 24 Aug 2023 22:05

Tgt Ion: 83 Resp: 175880

Ion	Ratio	Lower	Upper
83	100		
55	80.0	69.3	103.9
98	49.0	37.4	56.0





#37

1,2-Dichloropropane

Concen: 16.929 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

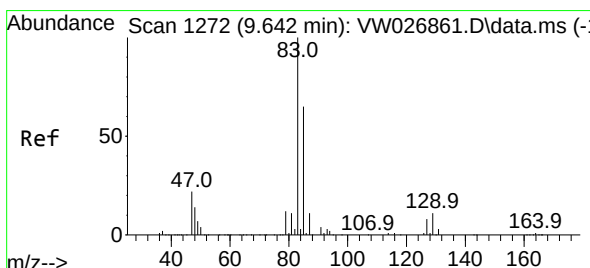
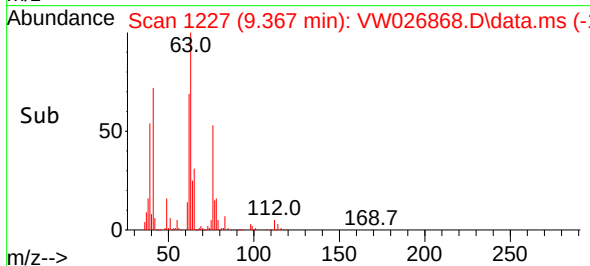
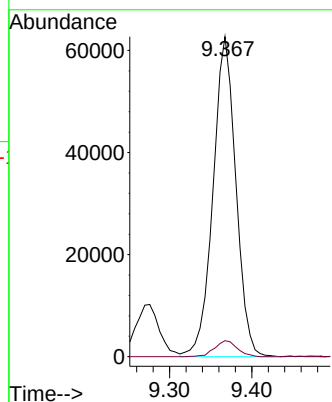
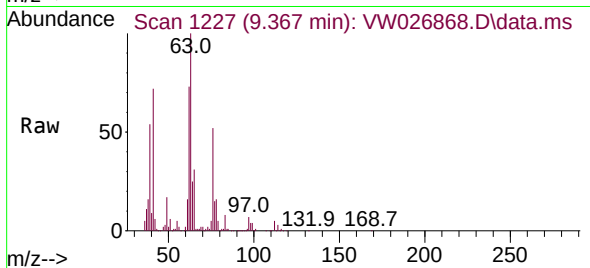
ClientSampleId :

Tgt Ion: 63 Resp: 121000

Ion Ratio Lower Upper

63 100

112 5.0 3.1 4.7#



#38

Bromodichloromethane

Concen: 20.402 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

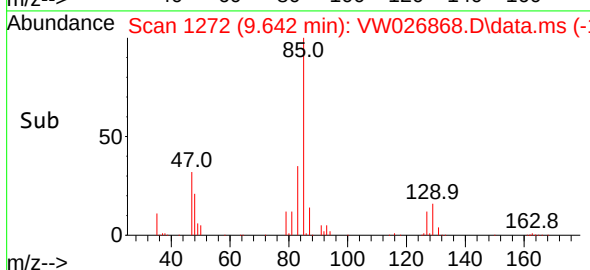
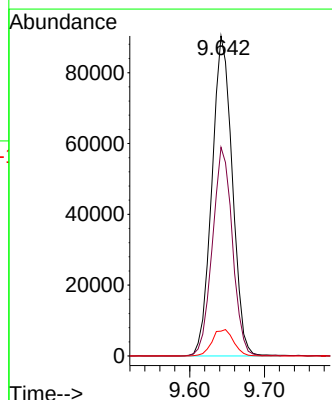
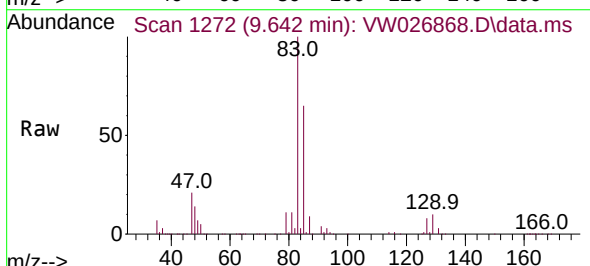
Tgt Ion: 83 Resp: 171068

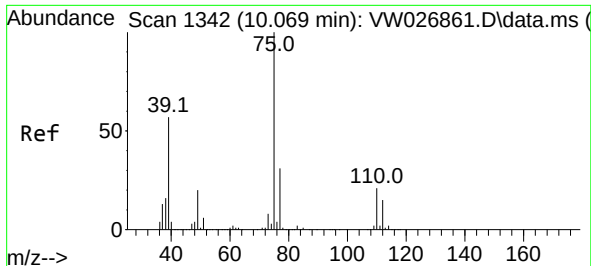
Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2

127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 19.396 ug/L

RT: 10.068 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

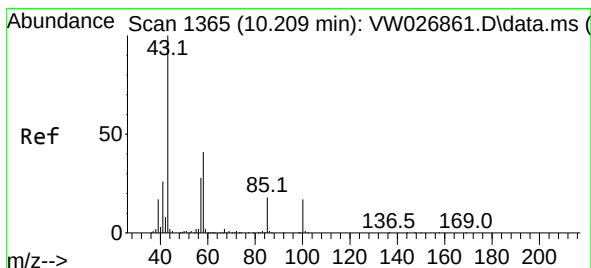
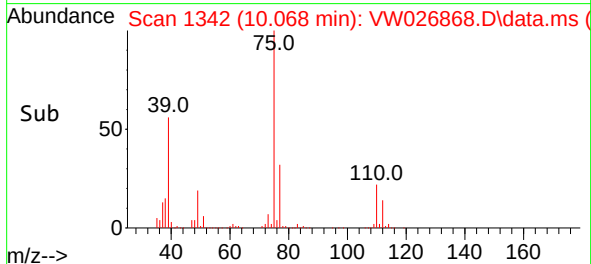
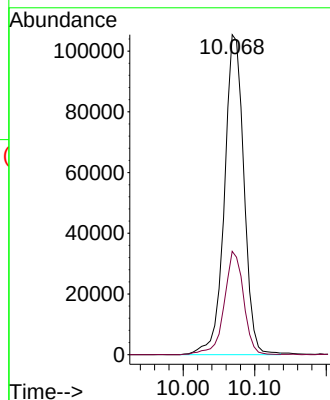
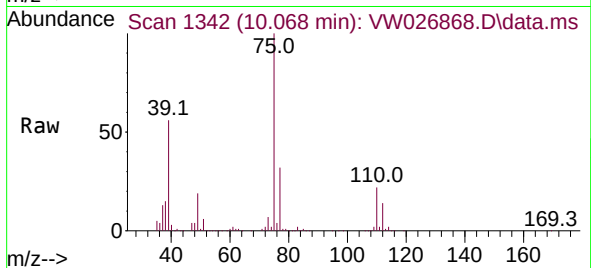
ClientSampleId :

Tgt Ion: 75 Resp: 199436

Ion Ratio Lower Upper

75 100

77 32.3 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 36.692 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

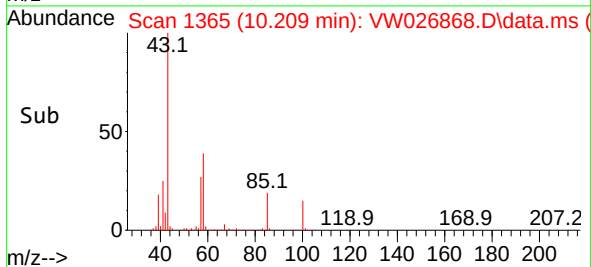
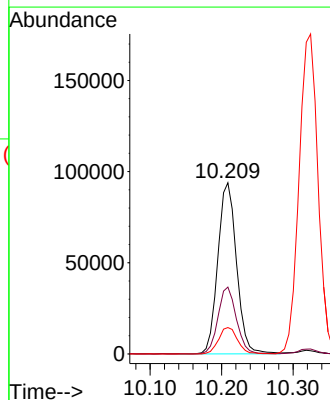
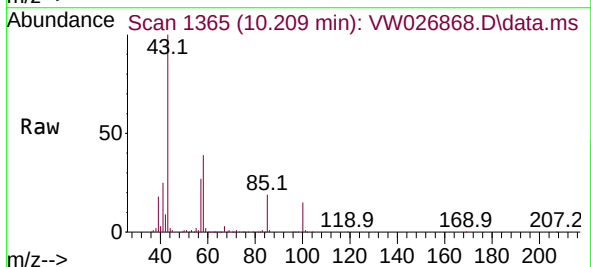
Tgt Ion: 43 Resp: 170593

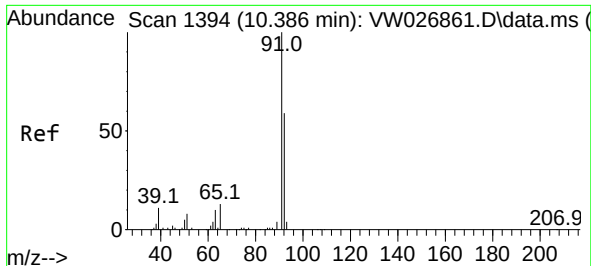
Ion Ratio Lower Upper

43 100

58 38.5 29.2 43.8

100 15.7 10.7 16.1

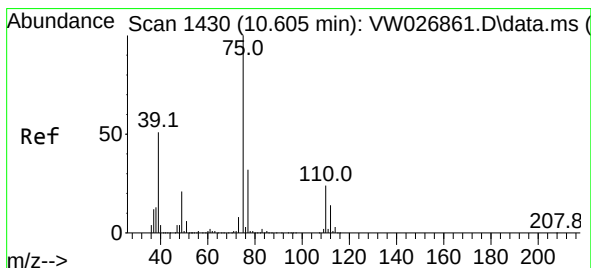
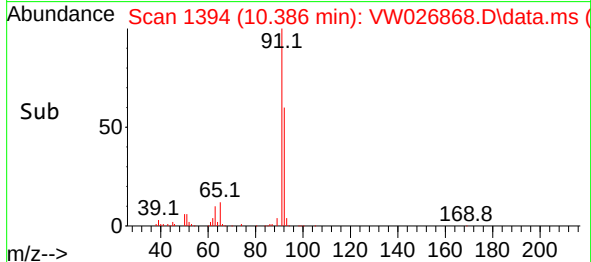
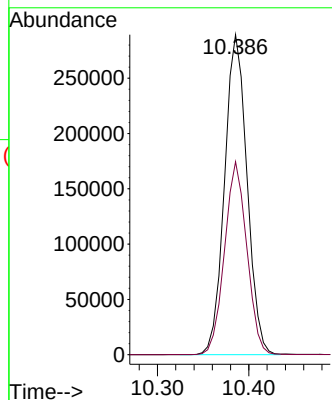
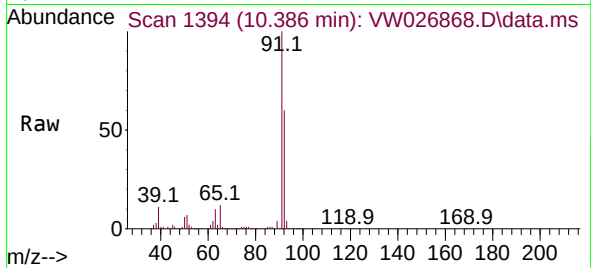




#42
Toluene
Concen: 18.755 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

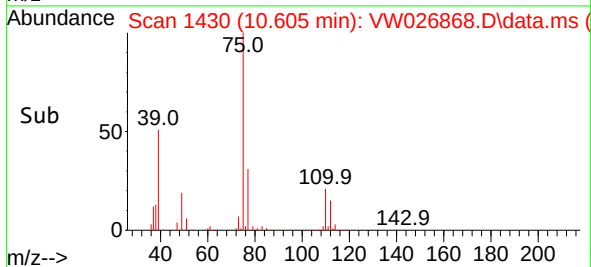
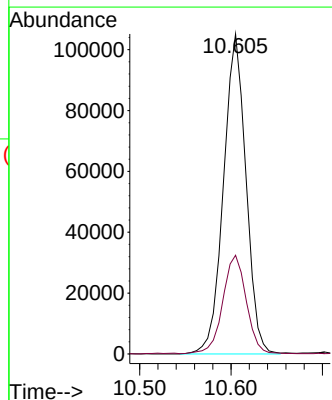
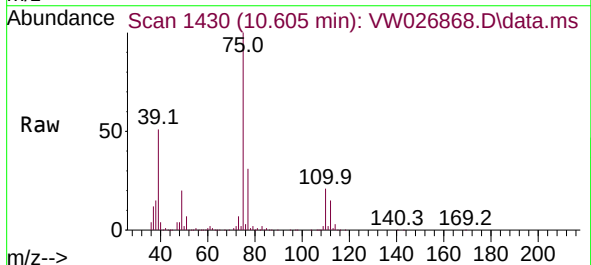
Instrument :
MSVOA_W
ClientSampleId :

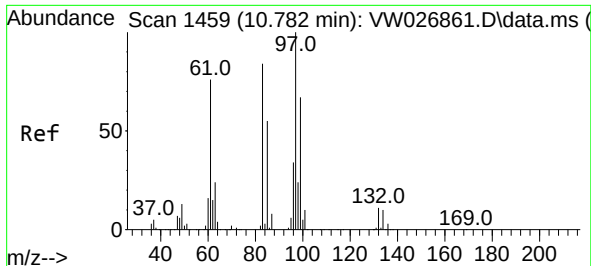
Tgt Ion: 91 Resp: 495075
Ion Ratio Lower Upper
91 100
92 60.3 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 20.294 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 75 Resp: 179614
Ion Ratio Lower Upper
75 100
77 30.9 21.2 39.4

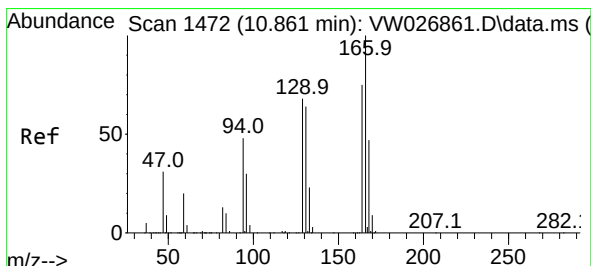
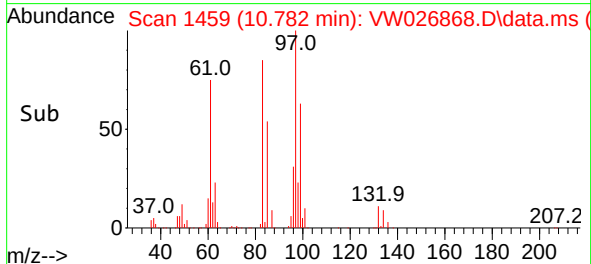
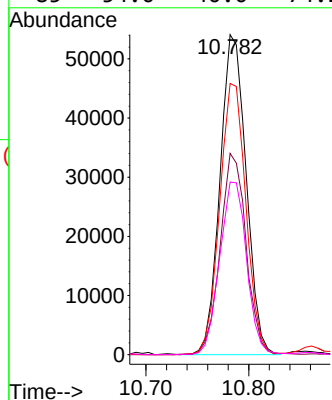
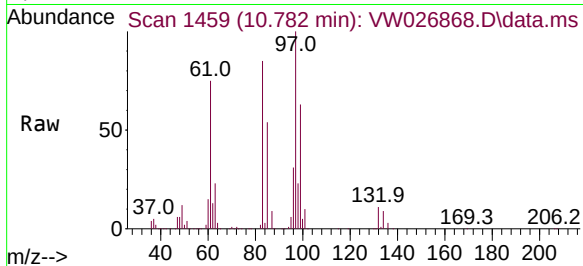




#45
1,1,2-Trichloroethane
Concen: 19.553 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

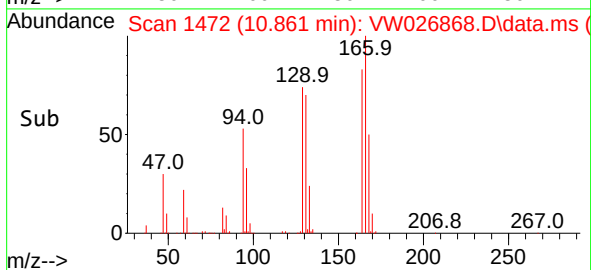
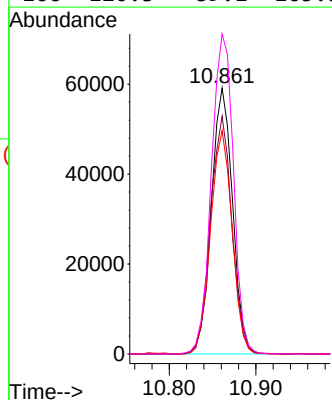
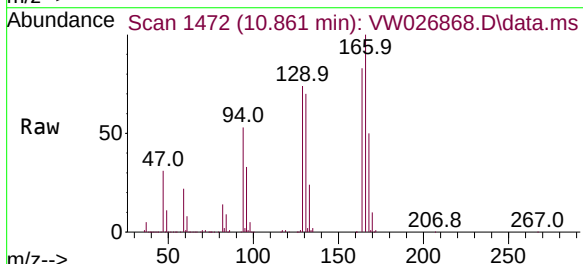
Instrument :
MSVOA_W
ClientSampleId :

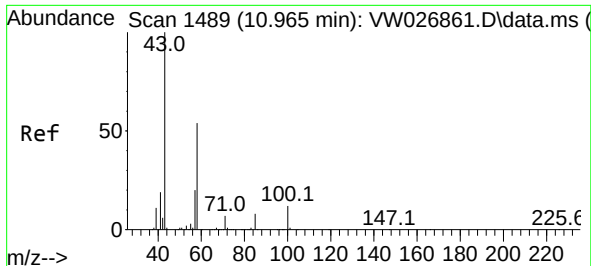
Tgt Ion:	97	Resp:	95583
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.2	82.0
83	84.8	61.9	114.9
85	54.0	40.0	74.2



#46
Tetrachloroethene
Concen: 20.823 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

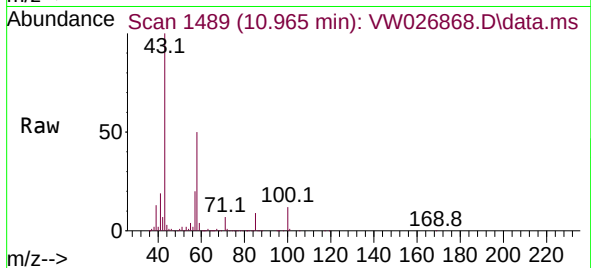
Tgt Ion:	164	Resp:	100539
Ion	Ratio	Lower	Upper
164	100		
129	89.4	68.1	126.5
131	83.9	65.5	121.7
166	120.3	89.1	165.5



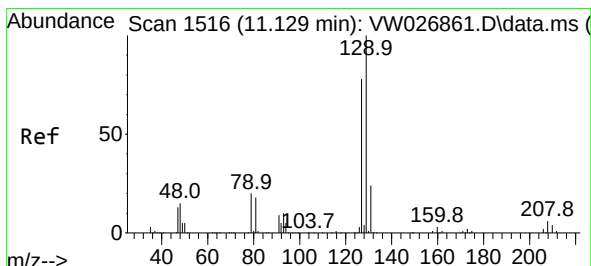
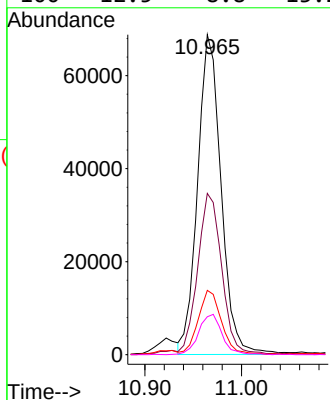
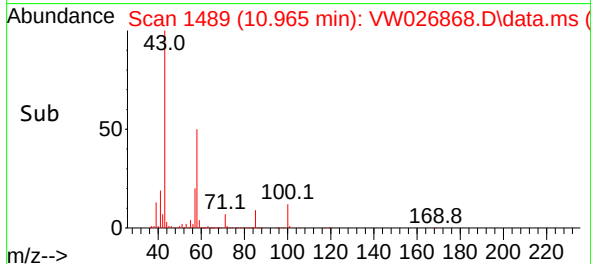


#48
2-Hexanone
Concen: 36.727 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Instrument :
MSVOA_W
ClientSampleId :

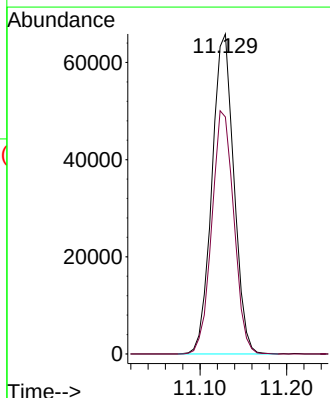
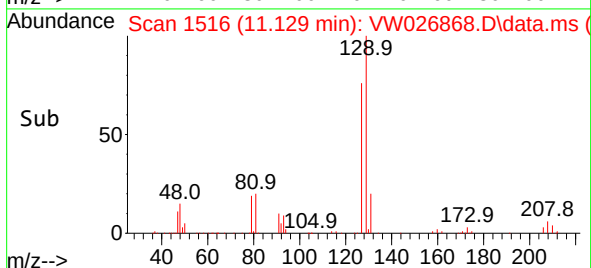
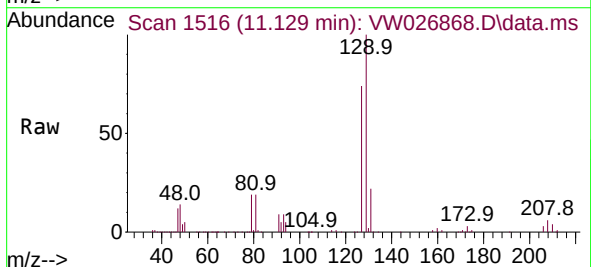


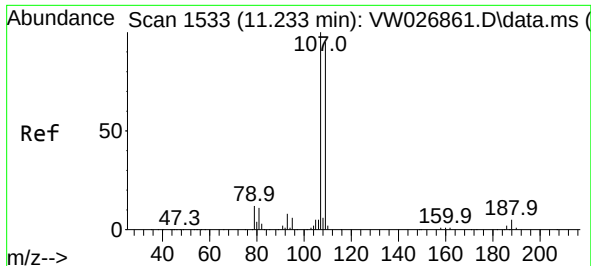
Tgt Ion: 43 Resp: 116190
Ion Ratio Lower Upper
43 100
58 51.6 41.1 61.7
57 20.1 14.3 21.5
100 12.5 8.8 13.2



#49
Dibromochloromethane
Concen: 22.679 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion: 129 Resp: 115950
Ion Ratio Lower Upper
129 100
127 74.0 56.6 105.2





#50

1,2-Dibromoethane

Concen: 20.012 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026868.D

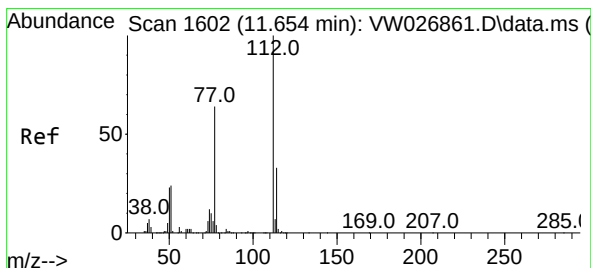
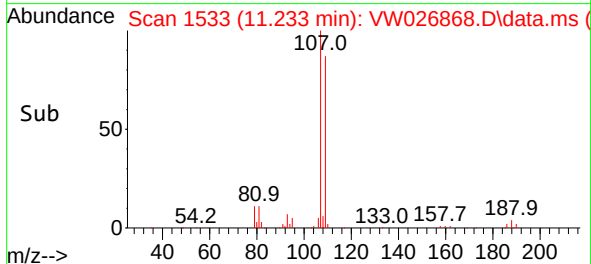
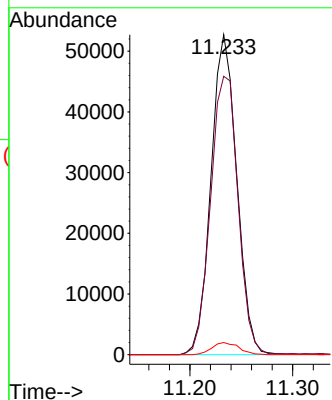
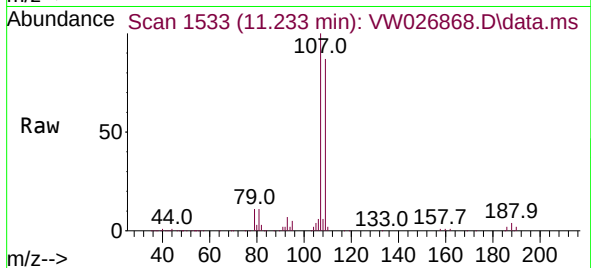
Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	91788
Ion Ratio	Lower	Upper
107	100	
109	87.0	68.8 127.8
188	3.8	2.7 4.1



#51

Chlorobenzene

Concen: 19.977 ug/L

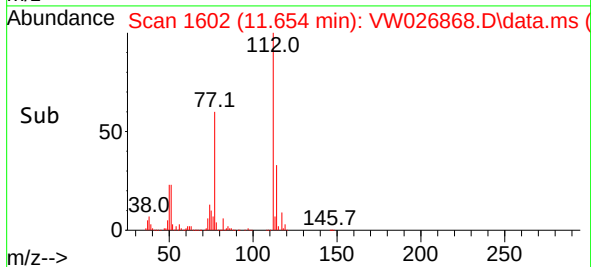
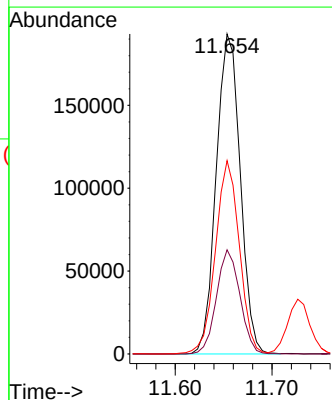
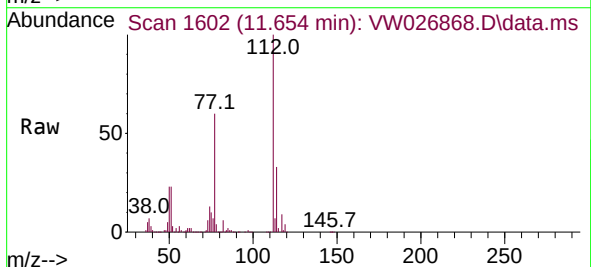
RT: 11.654 min Scan# 1602

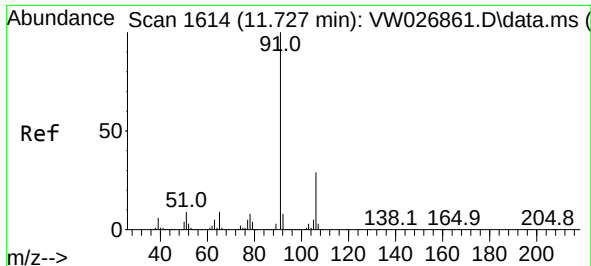
Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Tgt Ion:112	Resp:	333096
Ion Ratio	Lower	Upper
112	100	
114	32.6	22.4 41.6
77	60.4	50.2 75.2

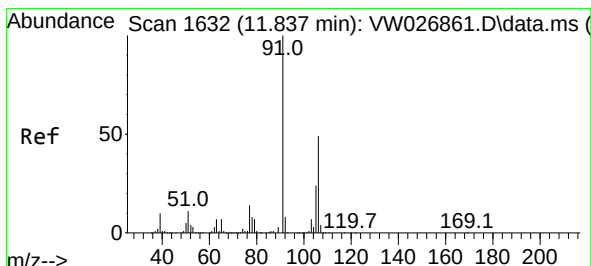
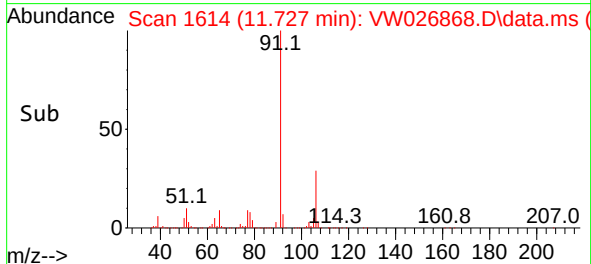
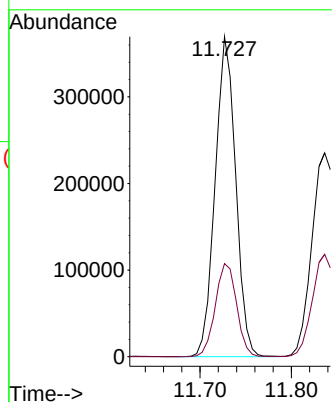
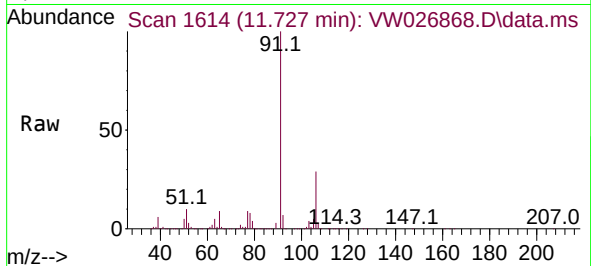




#52
Ethylbenzene
Concen: 19.511 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

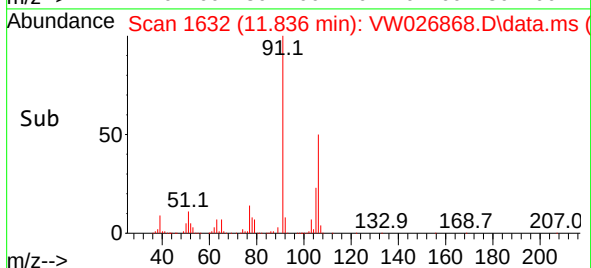
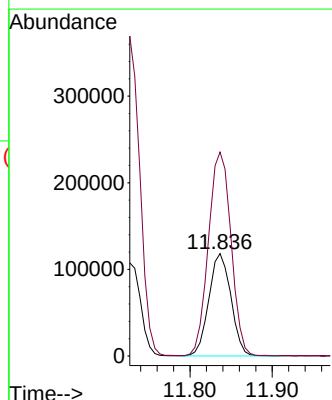
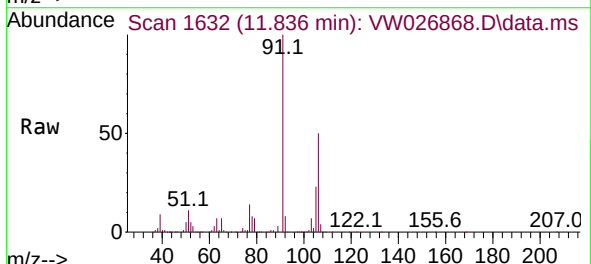
Instrument :
MSVOA_W
ClientSampleId :

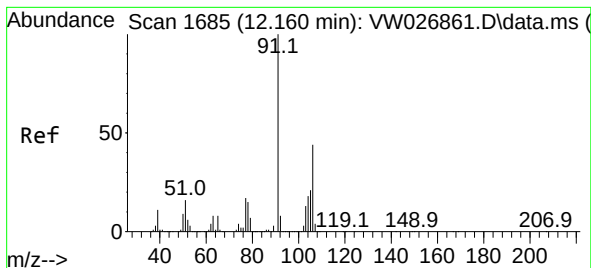
Tgt Ion: 91 Resp: 577580
Ion Ratio Lower Upper
91 100
106 29.1 20.2 37.6



#53
m,p-Xylene
Concen: 20.114 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion:106 Resp: 220578
Ion Ratio Lower Upper
106 100
91 198.9 152.9 284.1





#54

o-Xylene

Concen: 20.731 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

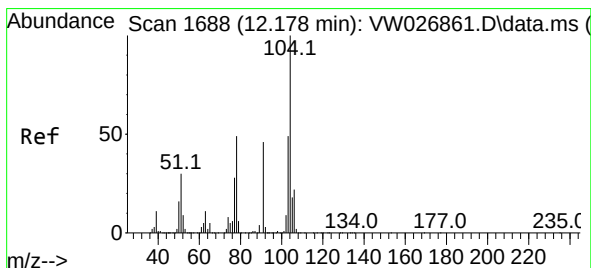
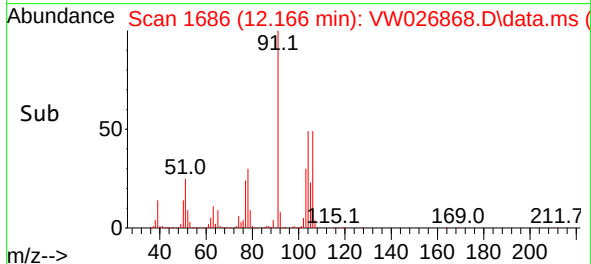
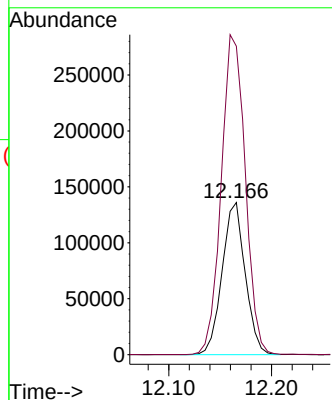
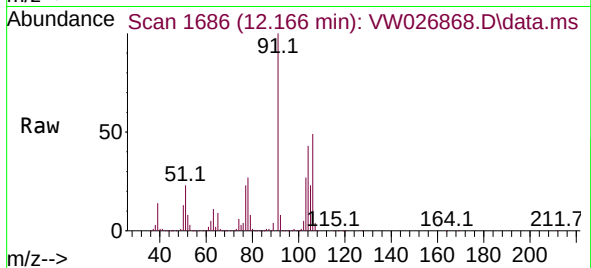
ClientSampleId :

Tgt Ion:106 Resp: 212181

Ion Ratio Lower Upper

106 100

91 202.7 149.9 278.3



#55

Styrene

Concen: 20.879 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW026868.D

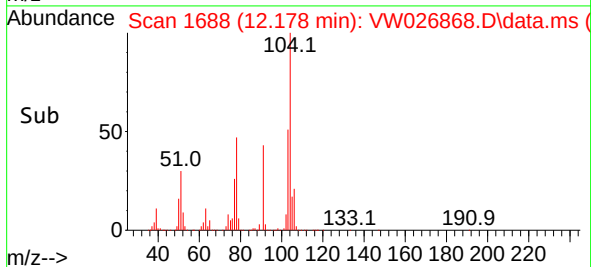
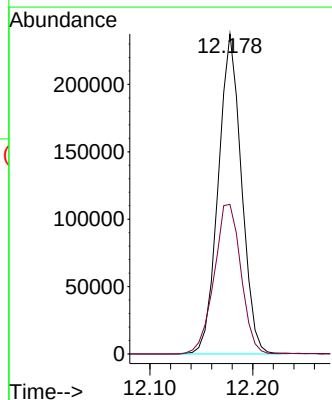
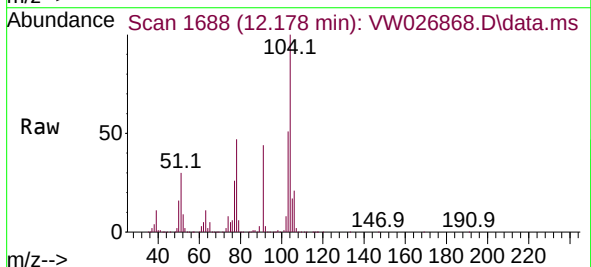
Acq: 24 Aug 2023 22:05

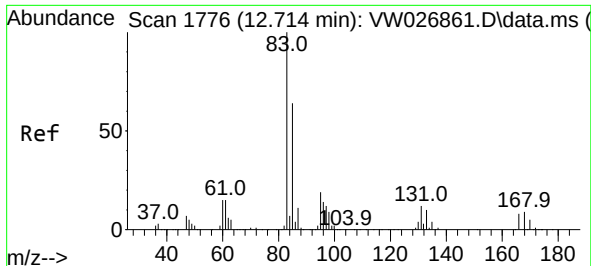
Tgt Ion:104 Resp: 371569

Ion Ratio Lower Upper

104 100

78 46.8 33.0 61.2





#57

1,1,2,2-Tetrachloroethane

Concen: 19.253 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :

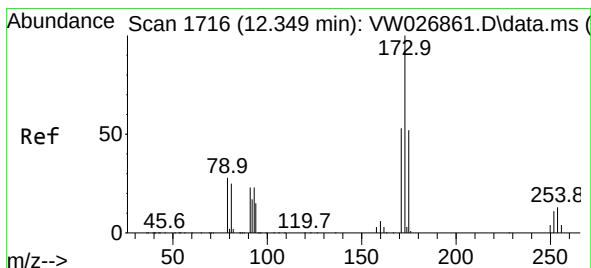
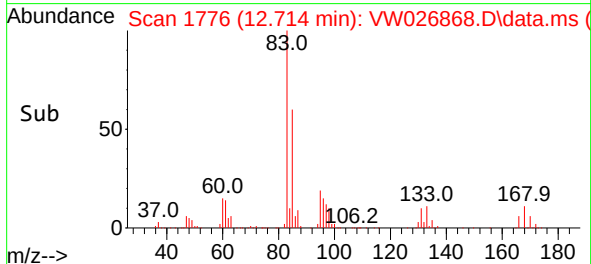
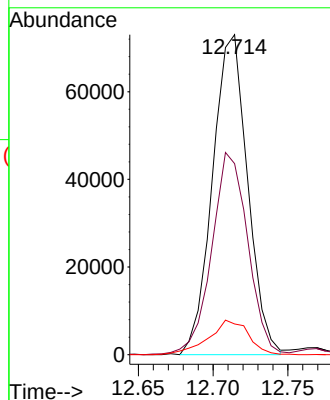
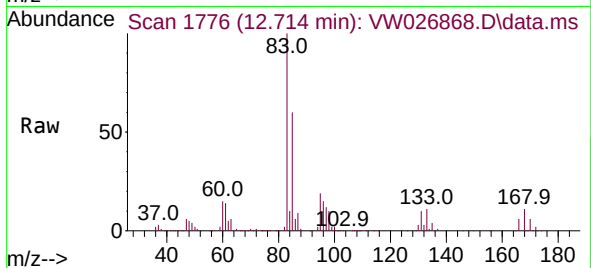
Tgt Ion: 83 Resp: 119193

Ion Ratio Lower Upper

83 100

85 59.7 44.9 83.3

131 9.6 7.4 11.0



#59

Bromoform

Concen: 23.569 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

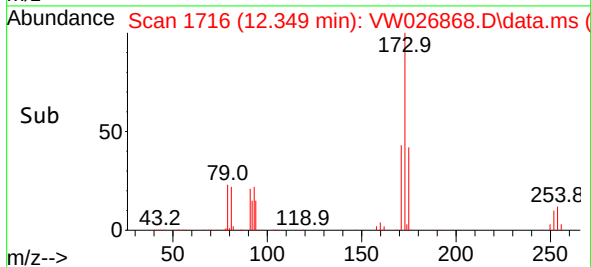
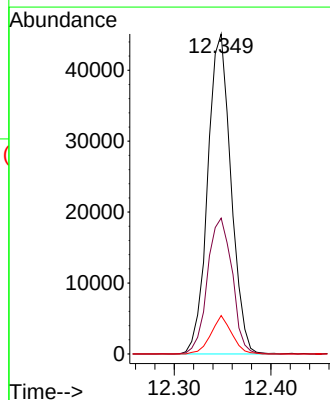
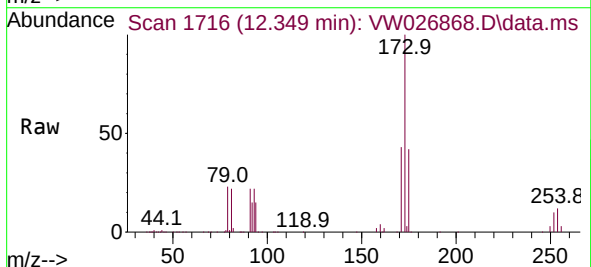
Tgt Ion:173 Resp: 75531

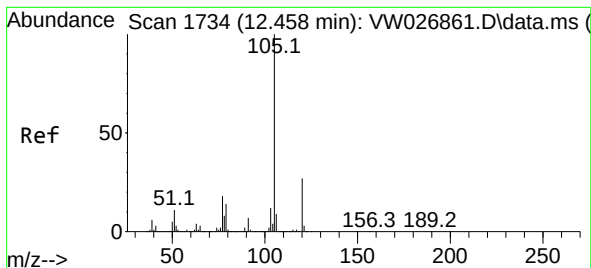
Ion Ratio Lower Upper

173 100

175 44.9 36.6 55.0

254 10.7 7.8 11.6





#60

Isopropylbenzene

Concen: 18.917 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :

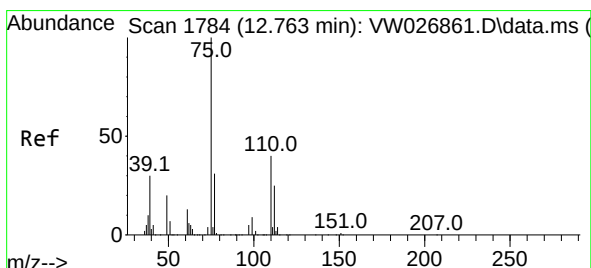
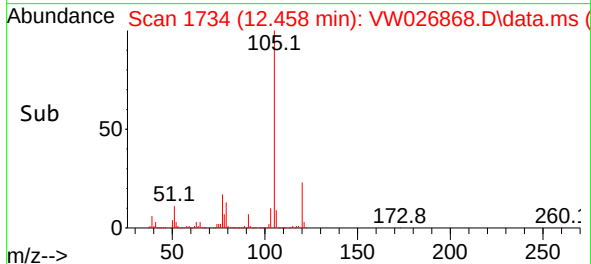
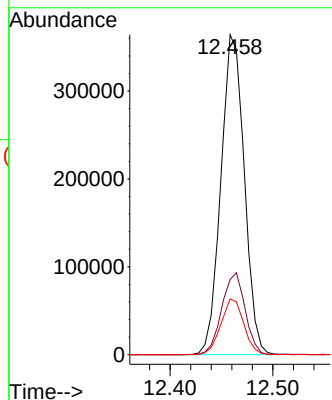
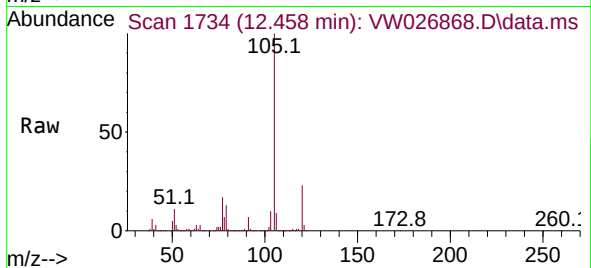
Tgt Ion:105 Resp: 575382

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

77 17.1 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 18.538 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

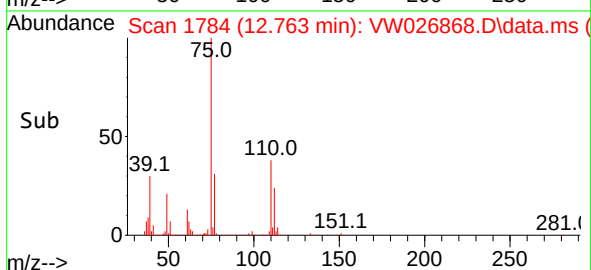
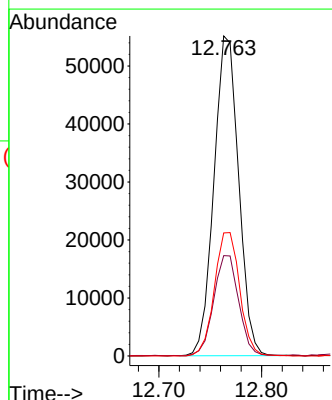
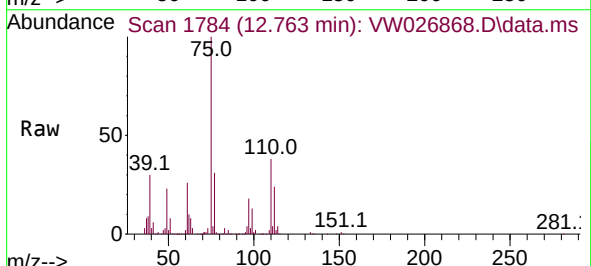
Tgt Ion: 75 Resp: 91993

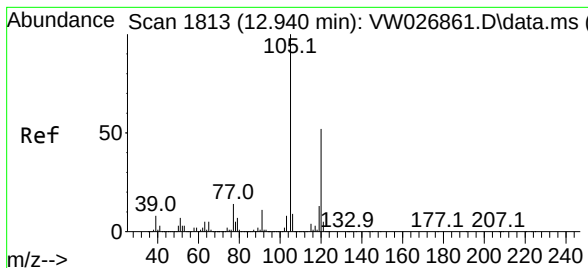
Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

110 39.5 29.9 44.9

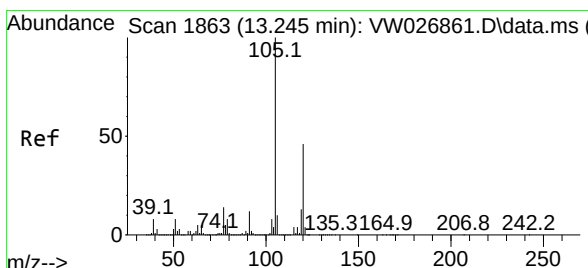
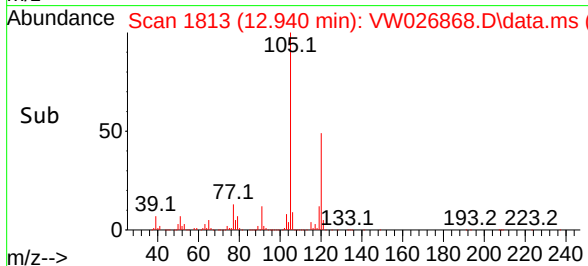
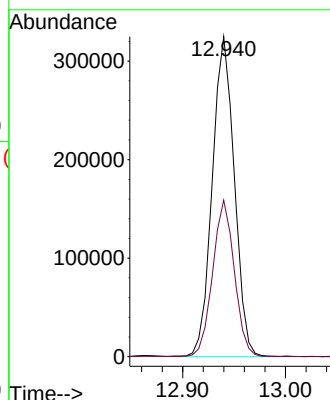
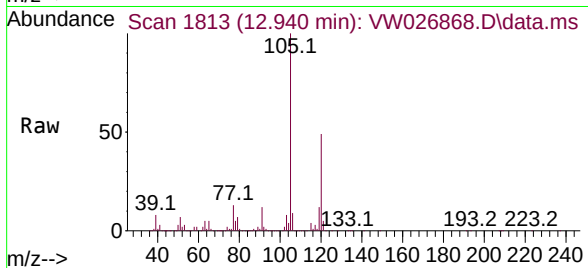




#62
1,3,5-Trimethylbenzene
Concen: 20.125 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

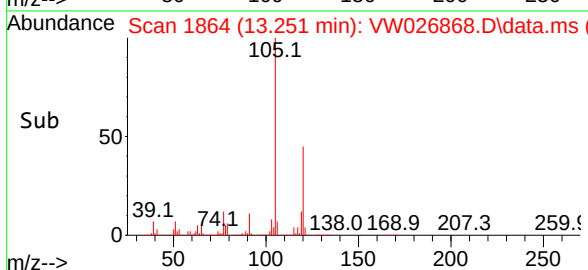
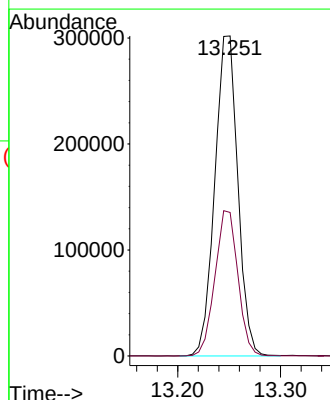
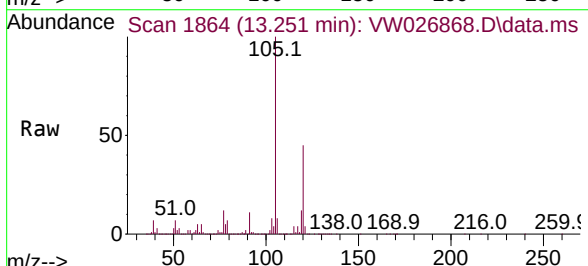
Instrument :
MSVOA_W
ClientSampleId :

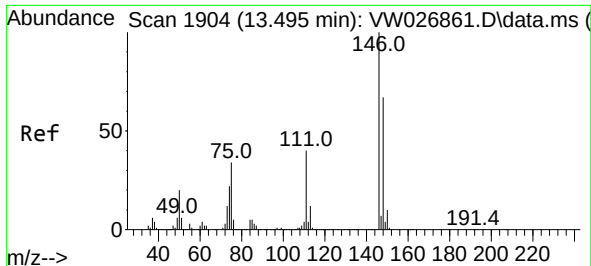
Tgt Ion:105 Resp: 483806
Ion Ratio Lower Upper
105 100
120 48.1 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 19.899 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

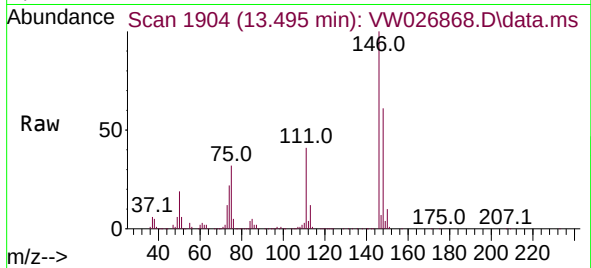
Tgt Ion:105 Resp: 468780
Ion Ratio Lower Upper
105 100
120 45.4 36.2 54.4



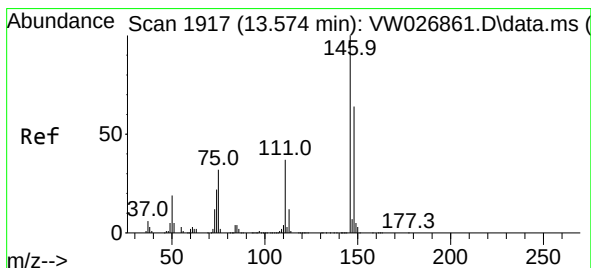
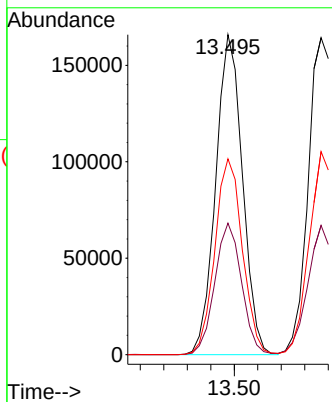
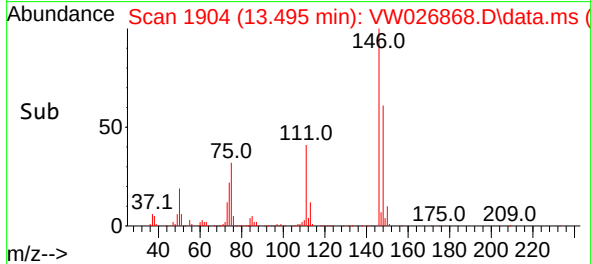


#64
1,3-Dichlorobenzene
Concen: 19.874 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Instrument :
MSVOA_W
ClientSampleId :

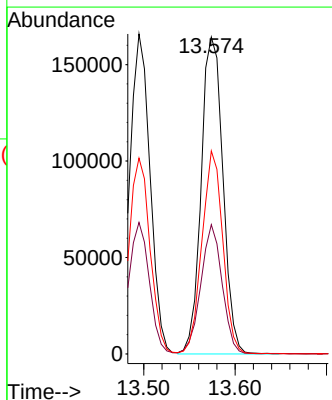
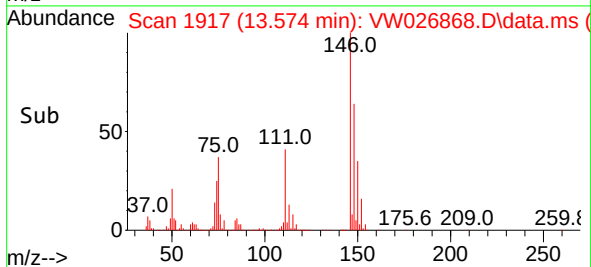
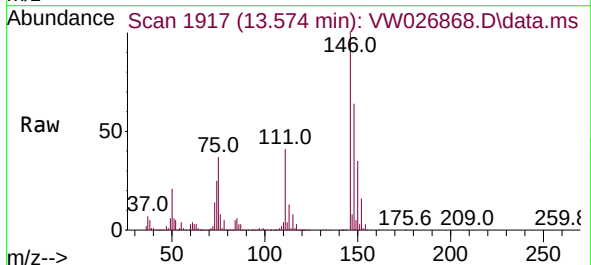


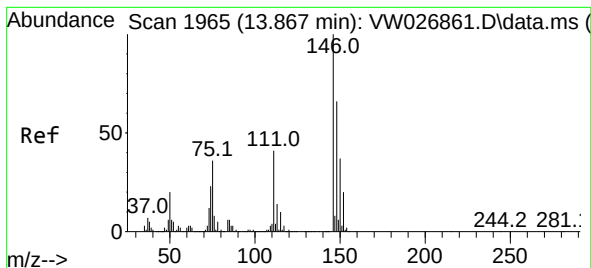
Tgt Ion:146 Resp: 262882
Ion Ratio Lower Upper
146 100
111 41.1 29.1 54.1
148 61.2 38.8 72.0



#65
1,4-Dichlorobenzene
Concen: 19.627 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026868.D
Acq: 24 Aug 2023 22:05

Tgt Ion:146 Resp: 270935
Ion Ratio Lower Upper
146 100
111 40.8 28.3 52.7
148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 20.059 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

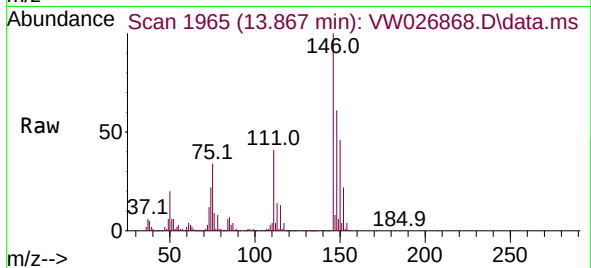
Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :



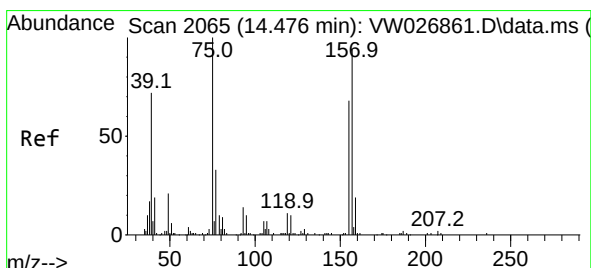
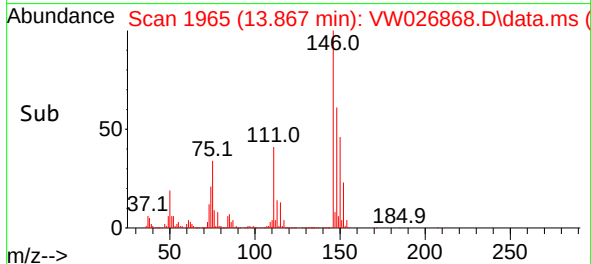
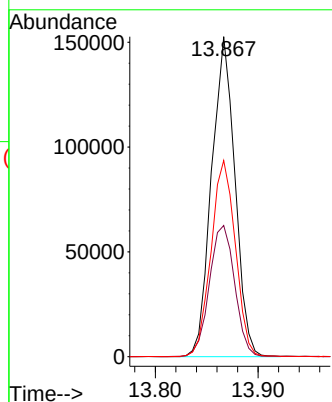
Tgt Ion:146 Resp: 241281

Ion Ratio Lower Upper

146 100

111 41.0 34.6 52.0

148 61.3 53.4 80.0



#68

1,2-Dibromo-3-chloropropane

Concen: 19.579 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

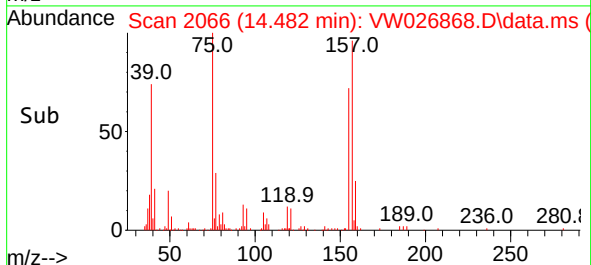
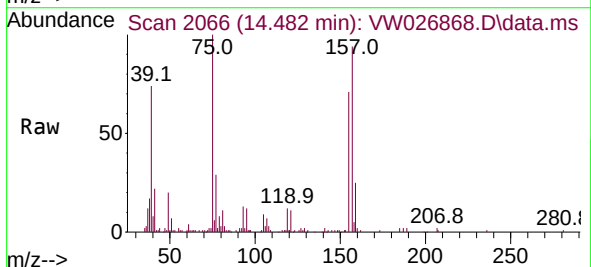
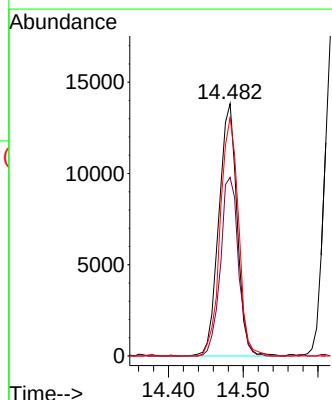
Tgt Ion: 75 Resp: 23423

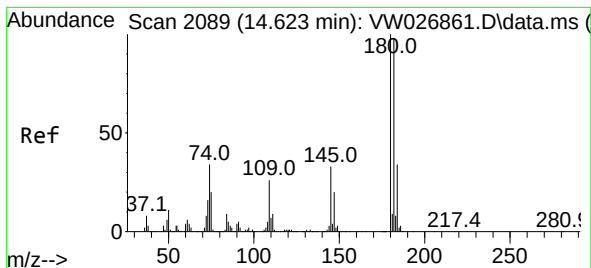
Ion Ratio Lower Upper

75 100

155 70.8 55.0 82.6

157 94.5 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 17.983 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

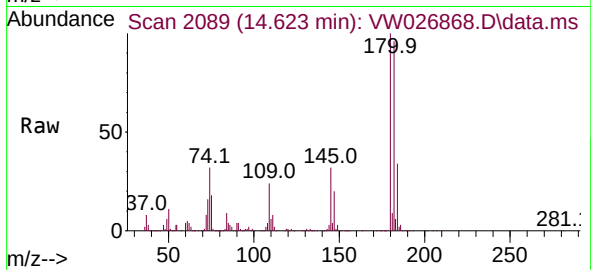
Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 160706

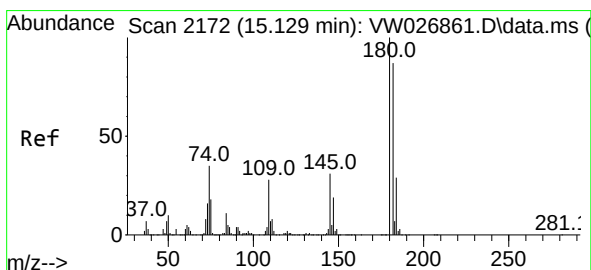
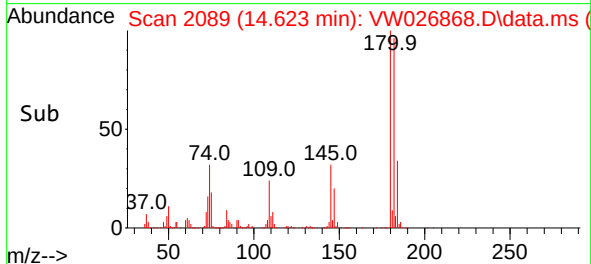
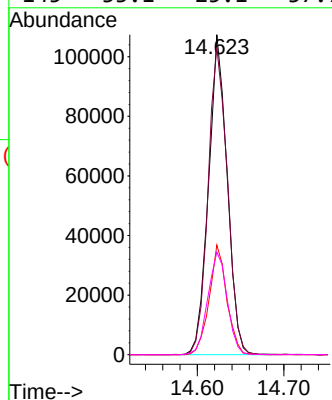
Ion Ratio Lower Upper

180 100

182 99.4 75.2 112.8

184 32.4 23.8 35.8

145 33.1 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 19.268 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

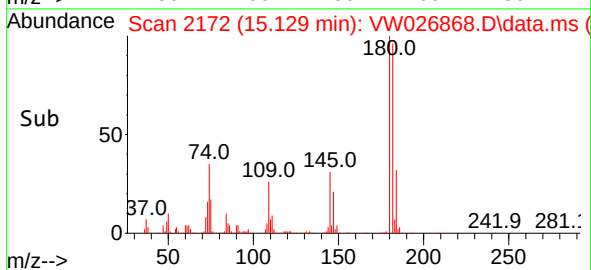
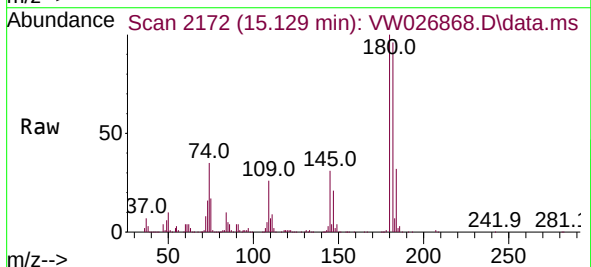
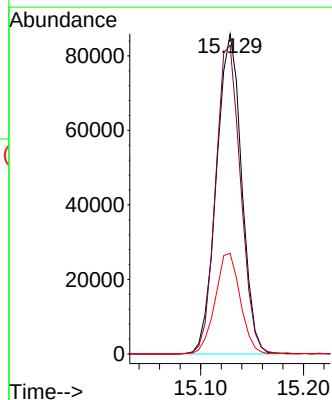
Tgt Ion:180 Resp: 145994

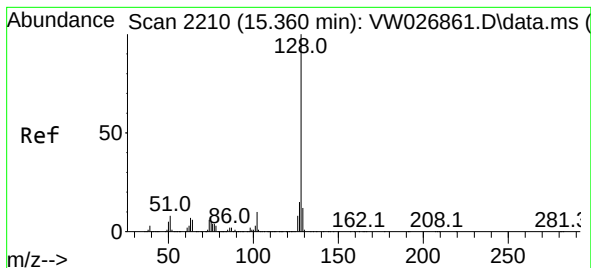
Ion Ratio Lower Upper

180 100

182 95.9 72.5 108.7

145 31.0 24.7 37.1





#71

Naphthalene

Concen: 21.854 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Instrument :

MSVOA_W

ClientSampleId :

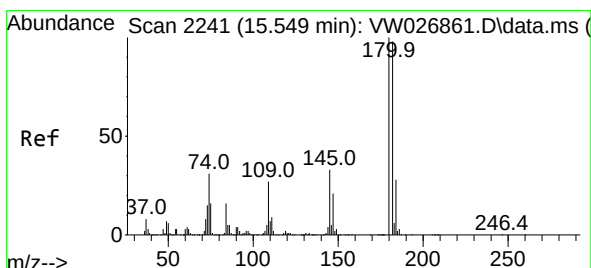
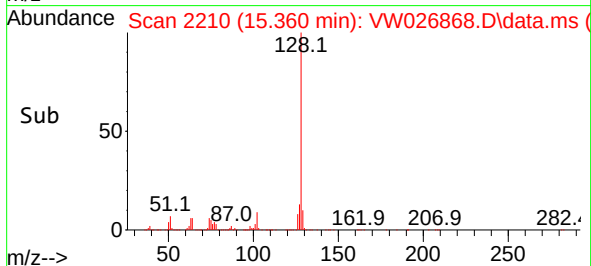
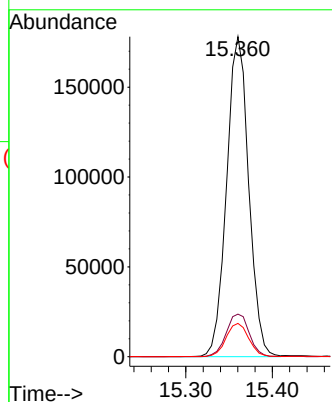
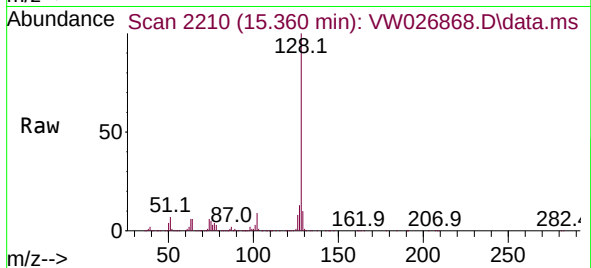
Tgt Ion:128 Resp: 315866

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 10.7 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 20.741 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026868.D

Acq: 24 Aug 2023 22:05

Tgt Ion:180 Resp: 141746

Ion Ratio Lower Upper

180 100

182 90.1 74.6 112.0

145 30.8 27.0 40.6

