

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111623\
 Data File : VW032968.D
 Acq On : 16 Nov 2023 15:11
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 17 00:57:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 17 00:55:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	405743	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	409416	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	240708	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	157790	45.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.960%
7) Chloroethane-d5	1.529	69	138567	48.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.480%
11) 1,1-Dichloroethene-d2	2.056	65	72158	48.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.520%
21) 2-Butanone-d5	3.780	46	127781	86.870	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.870%
24) Chloroform-d	4.243	84	305303	51.498	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.937	65	180568	50.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.120%
32) Benzene-d6	4.957	84	564558	50.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.120%
36) 1,2-Dichloropropane-d6	5.985	67	169939	52.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.720%
41) Toluene-d8	7.239	98	534502	51.919	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.840%
43) trans-1,3-Dichloroprop...	7.548	79	87309	50.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.340%
47) 2-Hexanone-d5	8.021	63	122747	103.227	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.230%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	253889	53.398	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	228814	48.921	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	185926	52.993	ug/L	99
3) Chloromethane	1.214	50	167653	48.361	ug/L	99
5) Vinyl chloride	1.281	62	173058	49.613	ug/L	98
6) Bromomethane	1.484	94	113985	49.295	ug/L	97
8) Chloroethane	1.548	64	112109	50.894	ug/L	96
9) Trichlorofluoromethane	1.712	101	293853	53.058	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	177102	55.200	ug/L	98
12) 1,1-Dichloroethene	2.069	96	150835	52.557	ug/L	94
13) Acetone	2.108	43	186652	95.050	ug/L	99
14) Carbon disulfide	2.240	76	408234	49.951	ug/L	99
15) Methyl Acetate	2.368	43	119002	51.542	ug/L	98
16) Methylene chloride	2.445	84	153107	50.005	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	144288	50.786	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	422864	50.716	ug/L	99
19) 1,1-Dichloroethane	3.108	63	253759	49.995	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	159157	52.018	ug/L	97
22) 2-Butanone	3.857	43	171871	93.965	ug/L	96
23) Bromochloromethane	4.143	128	87220	50.753	ug/L	95
25) Chloroform	4.272	83	282969	50.522	ug/L	98

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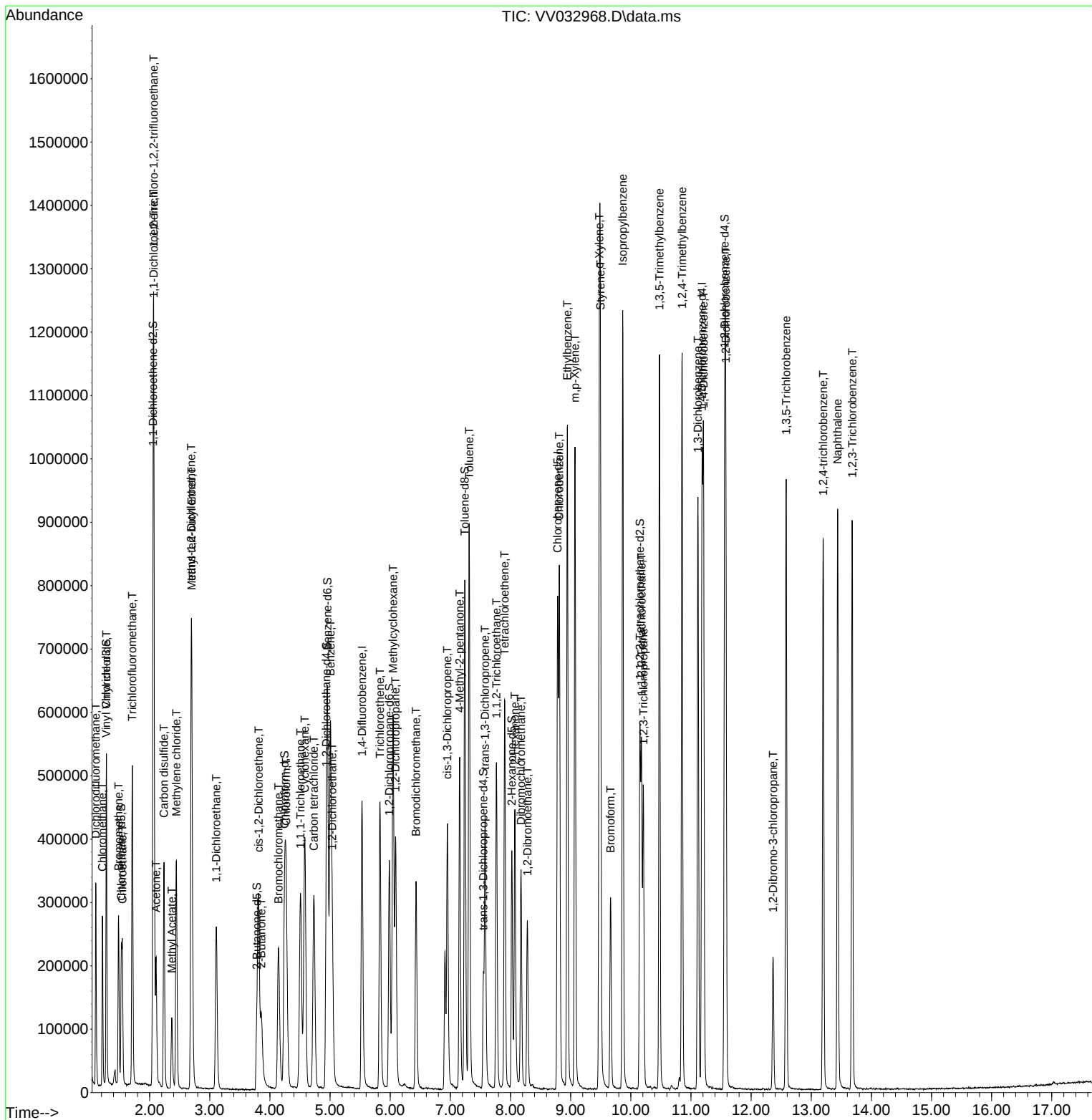
Instrument :
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 ClientSampleId :

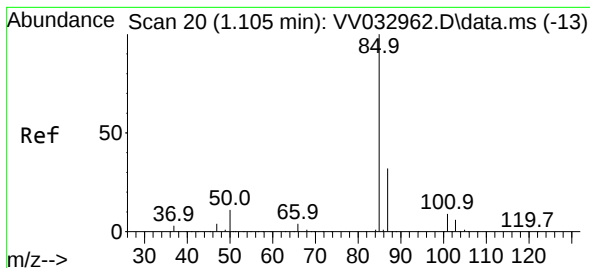
Quant Time: Nov 17 00:57:31 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Nov 17 00:55:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	213342	50.497	ug/L	99
29) Cyclohexane	4.580	56	206692	52.533	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	261367	52.092	ug/L	99
31) Carbon tetrachloride	4.731	117	236016	52.602	ug/L	99
33) Benzene	5.008	78	577831	51.965	ug/L	100
34) Trichloroethene	5.828	95	158501	52.448	ug/L	99
35) Methylcyclohexane	6.050	83	247983	54.449	ug/L	99
37) 1,2-Dichloropropane	6.088	63	146565	52.779	ug/L	100
38) Bromodichloromethane	6.429	83	210895	50.910	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	234727	50.824	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	323655	109.292	ug/L	100
42) Toluene	7.313	91	644392	53.106	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	236798	52.785	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	159614	51.796	ug/L	98
46) Tetrachloroethene	7.902	164	133521	51.361	ug/L	97
48) 2-Hexanone	8.072	43	263315	102.058	ug/L	100
49) Dibromochloromethane	8.175	129	174364	52.523	ug/L	97
50) 1,2-Dibromoethane	8.281	107	168886	51.489	ug/L	99
51) Chlorobenzene	8.812	112	434732	51.719	ug/L	99
52) Ethylbenzene	8.947	91	723456	53.837	ug/L	99
53) m,p-Xylene	9.072	106	281298	54.442	ug/L	100
54) o-Xylene	9.477	106	266980	53.588	ug/L	98
55) Styrene	9.497	104	486436	55.354	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	244704	51.616	ug/L	98
59) Bromoform	9.664	173	130264	50.870	ug/L	100
60) Isopropylbenzene	9.866	105	745522	52.320	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	176421	50.071	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	579102	53.574	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	607973	53.792	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	376342	50.639	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	388313	48.719	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	371080	49.653	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	47559	48.298	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	280911	50.380	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	255196	50.951	ug/L	99
71) Naphthalene	13.439	128	698962	53.103	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	264138	52.400	ug/L	98

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

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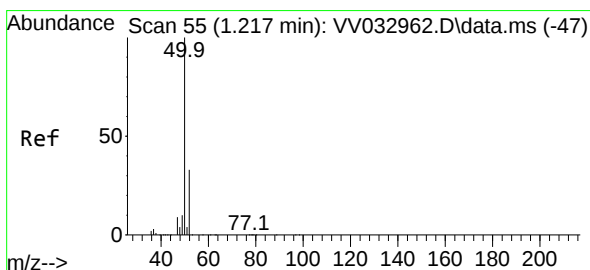
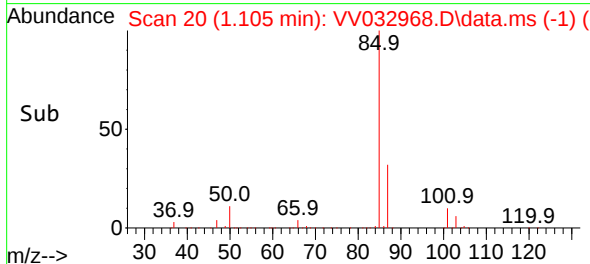
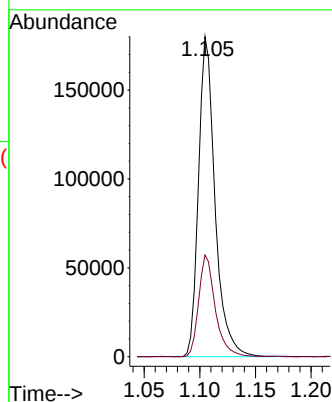
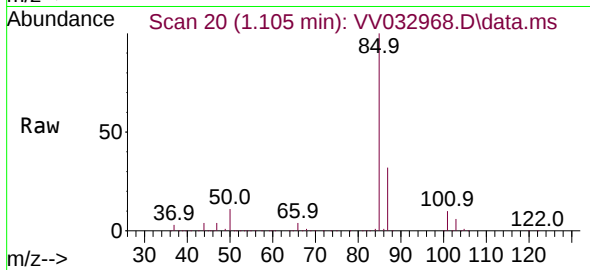




#2
 Dichlorodifluoromethane
 Concen: 52.993 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

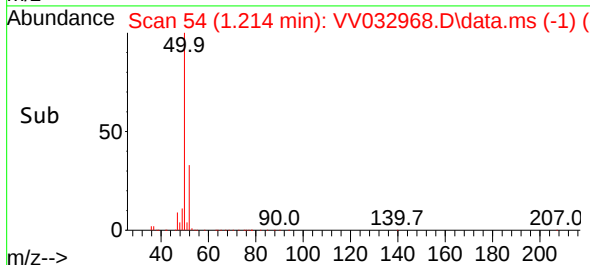
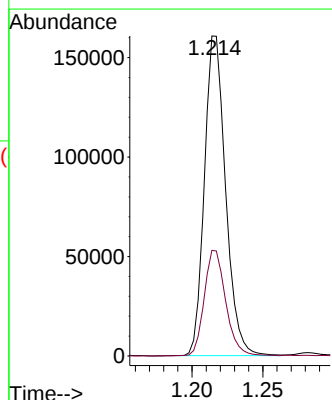
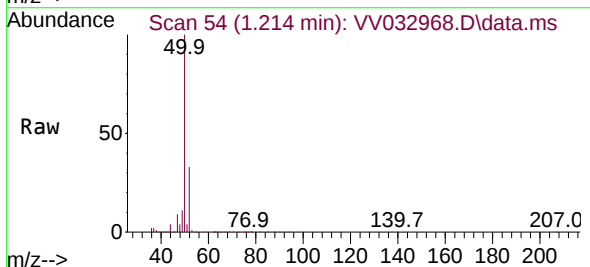
Instrument :
 MSVOA_V
 ClientSampleId :

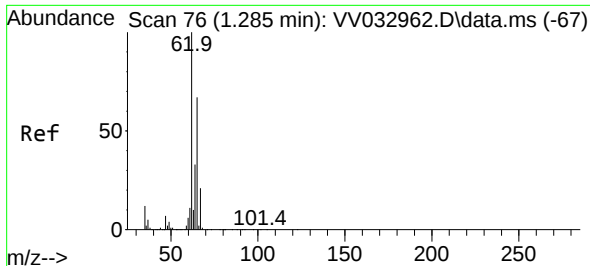
Tgt Ion: 85 Resp: 185926
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 48.361 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

Tgt Ion: 50 Resp: 167653
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8

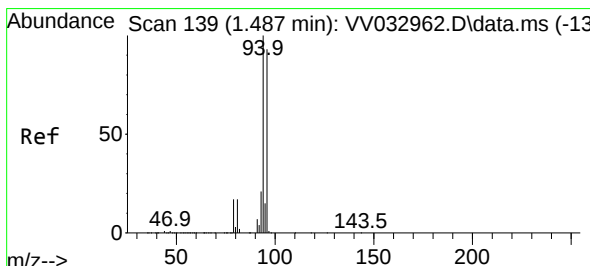
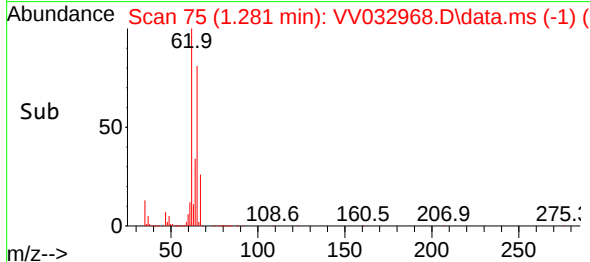
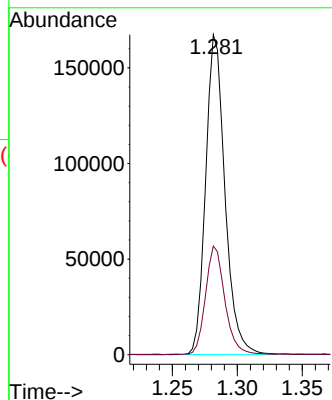
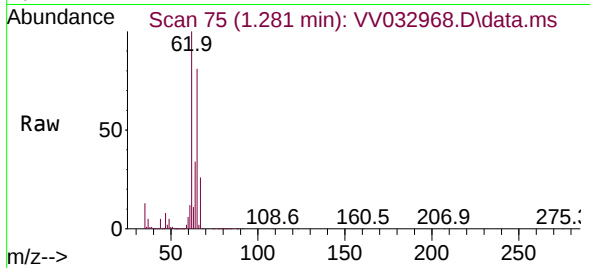




#5
 Vinyl chloride
 Concen: 49.613 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

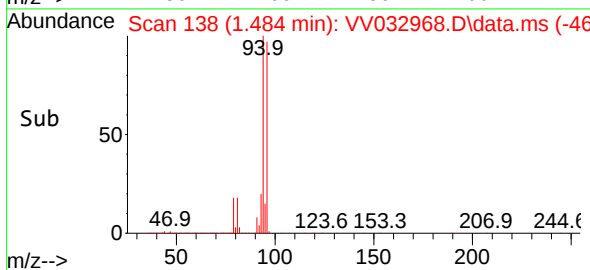
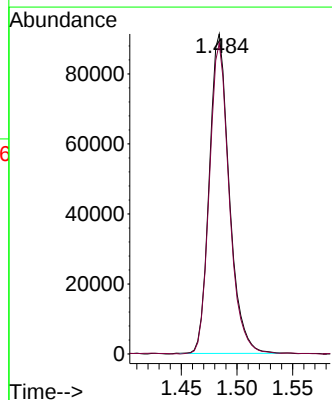
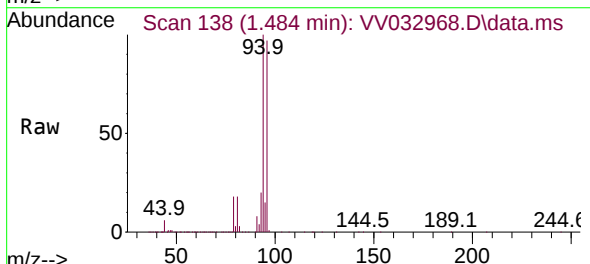
Instrument :
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 ClientSampleId :

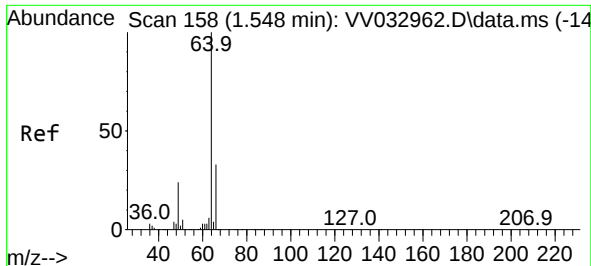
Tgt Ion: 62 Resp: 173058
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.1 42.9



#6
 Bromomethane
 Concen: 49.295 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

Tgt Ion: 94 Resp: 113985
 Ion Ratio Lower Upper
 94 100
 96 97.0 66.0 122.6

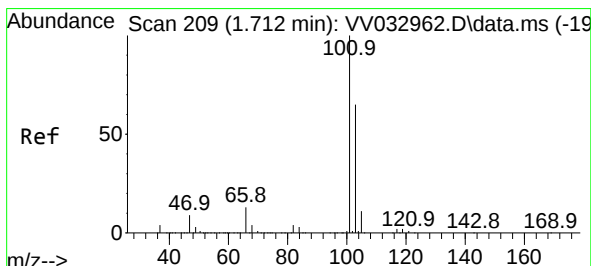
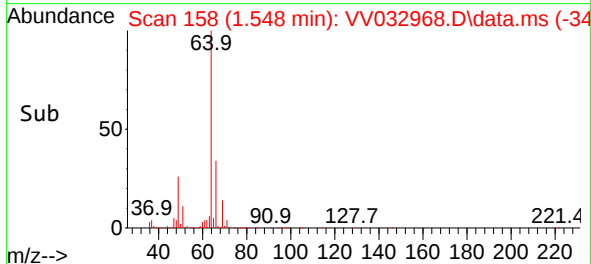
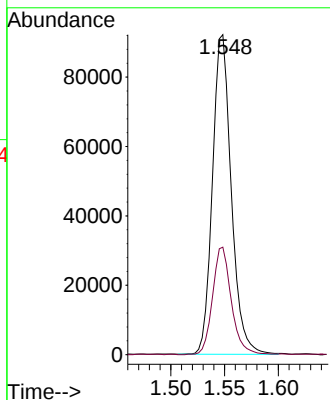
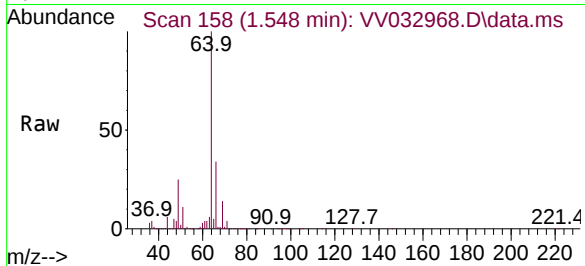




#8
Chloroethane
Concen: 50.894 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

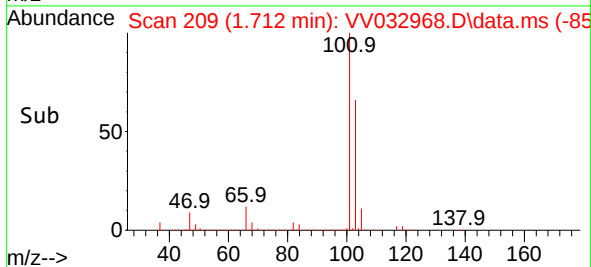
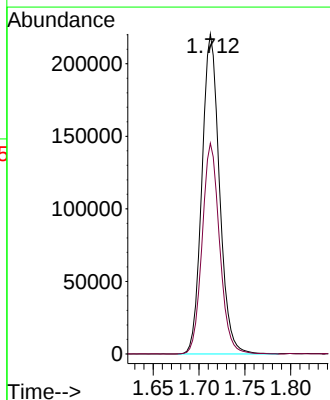
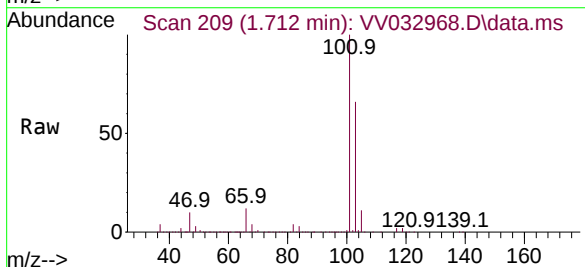
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ClientSampleId :

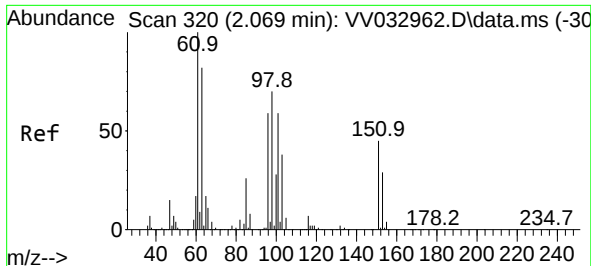
Tgt Ion: 64 Resp: 112109
Ion Ratio Lower Upper
64 100
66 33.6 22.0 40.8



#9
Trichlorofluoromethane
Concen: 53.058 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion:101 Resp: 293853
Ion Ratio Lower Upper
101 100
103 65.4 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.200 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

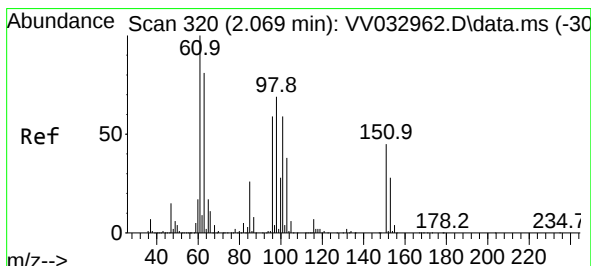
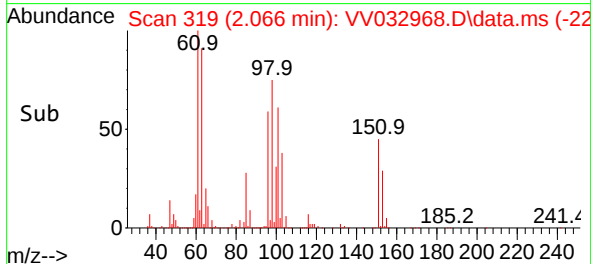
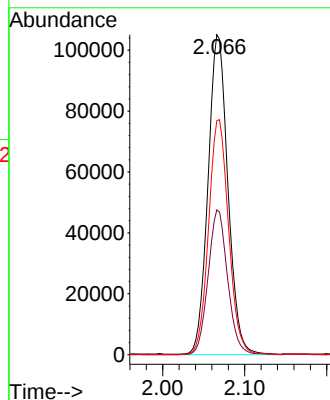
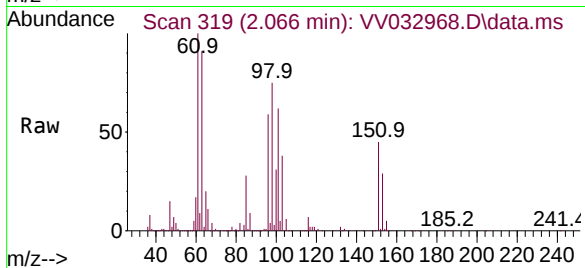
Tgt Ion:101 Resp: 177102

Ion Ratio Lower Upper

101 100

85 44.0 35.9 53.9

151 73.9 60.6 91.0



#12

1,1-Dichloroethene

Concen: 52.557 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

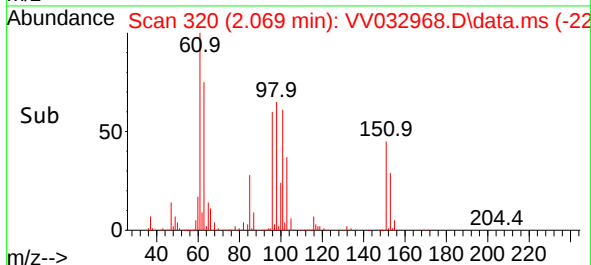
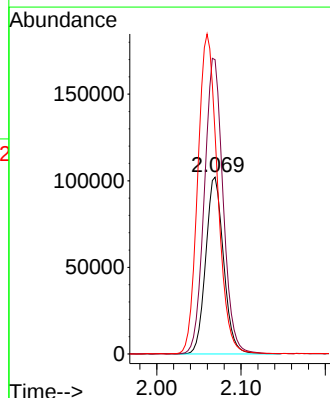
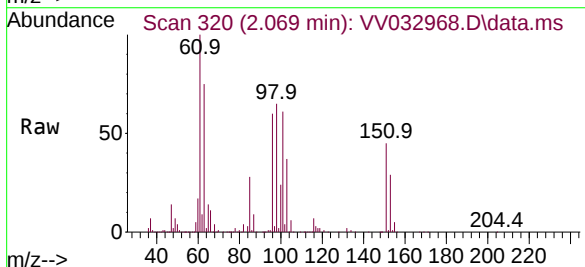
Tgt Ion: 96 Resp: 150835

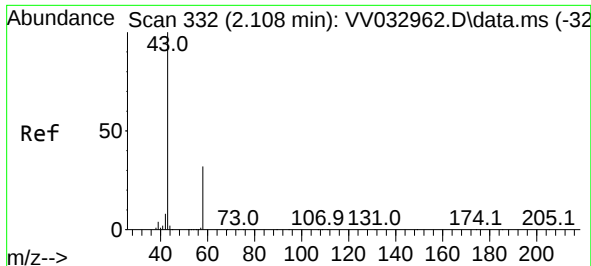
Ion Ratio Lower Upper

96 100

61 166.4 119.6 222.0

63 124.5 95.1 176.7





#13

Acetone

Concen: 95.050 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

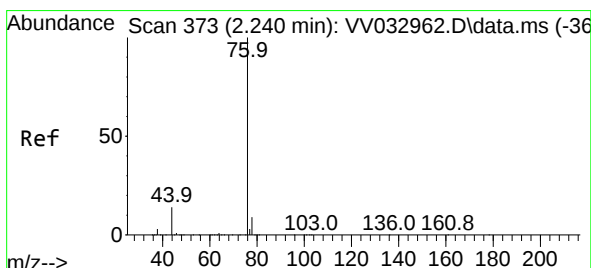
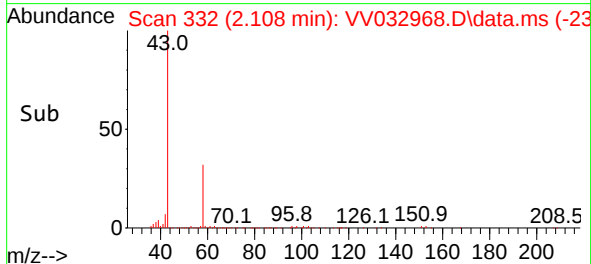
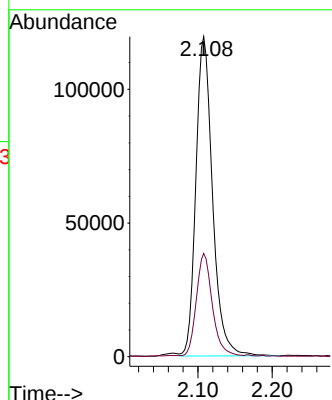
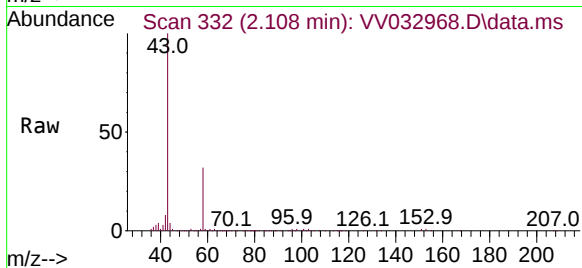
ClientSampleId :

Tgt Ion: 43 Resp: 186652

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



#14

Carbon disulfide

Concen: 49.951 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032968.D

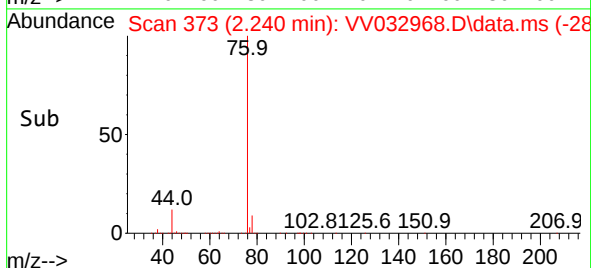
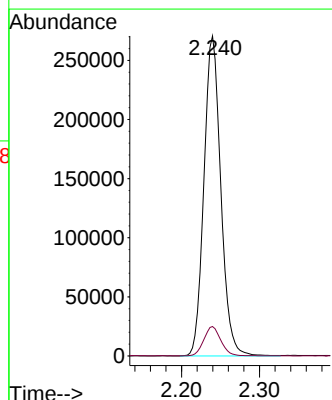
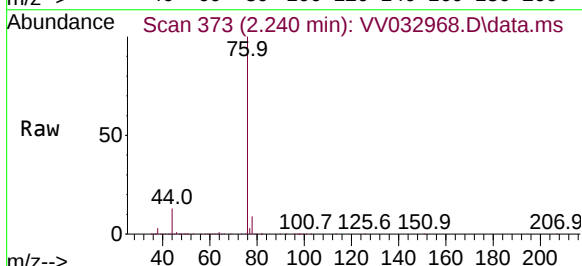
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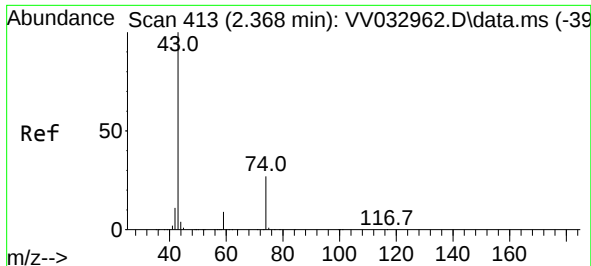
Tgt Ion: 76 Resp: 408234

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

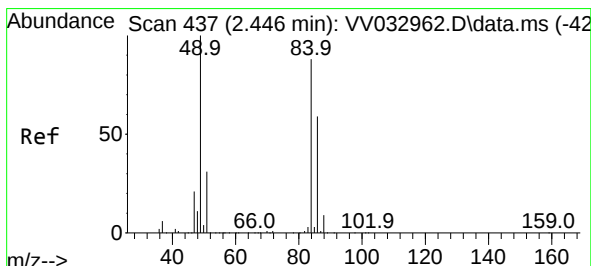
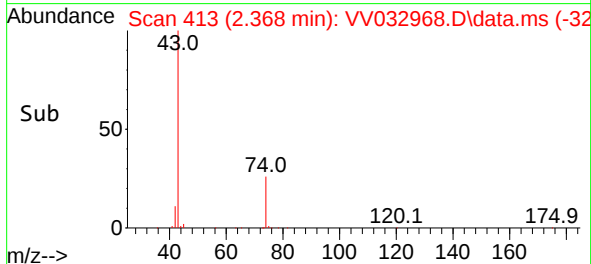
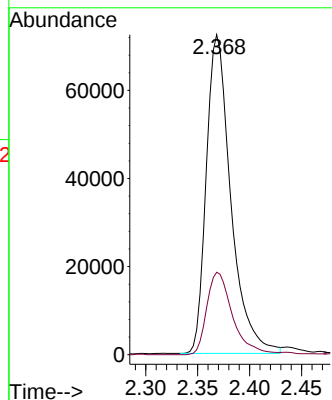
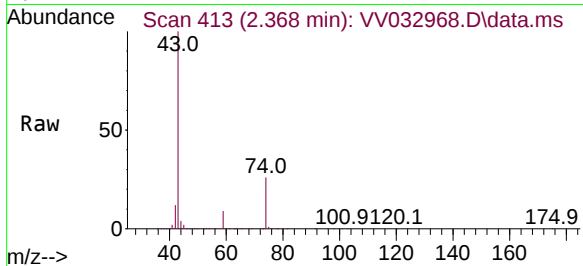




#15
Methyl Acetate
Concen: 51.542 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

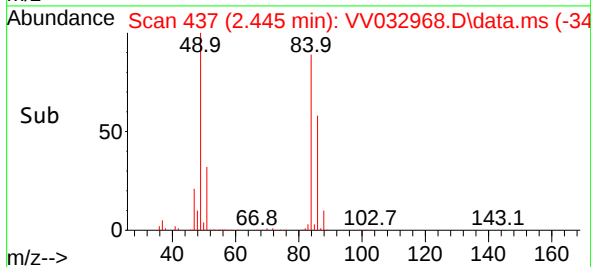
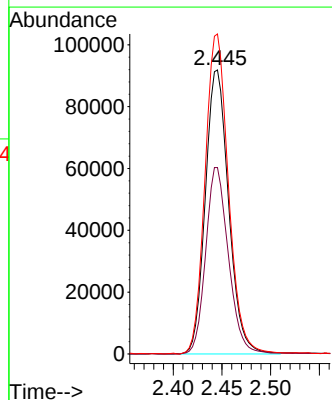
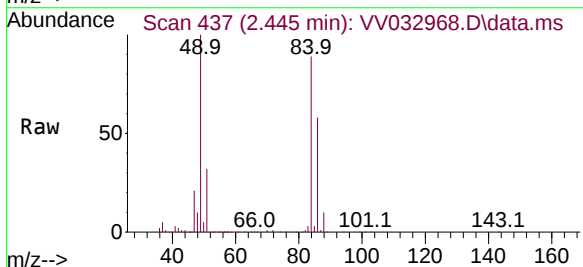
Instrument :
MSVOA_V
ClientSampleId :

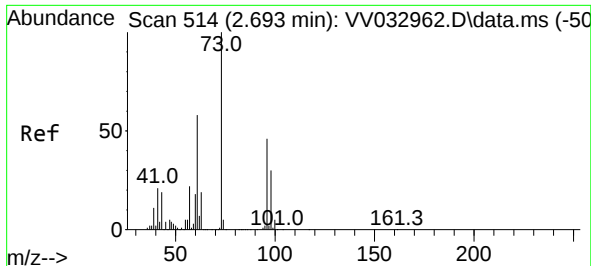
Tgt Ion: 43 Resp: 119002
Ion Ratio Lower Upper
43 100
74 27.0 20.8 31.2



#16
Methylene chloride
Concen: 50.005 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 84 Resp: 153107
Ion Ratio Lower Upper
84 100
86 65.6 45.3 84.1
49 112.7 80.6 149.6

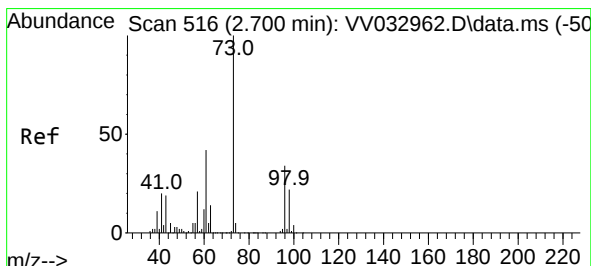
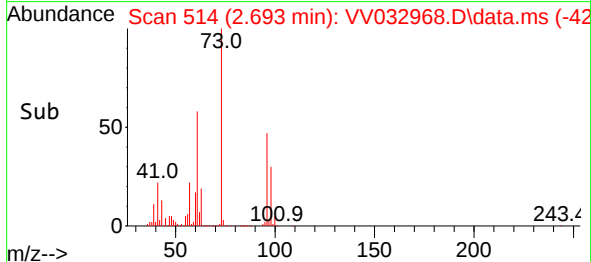
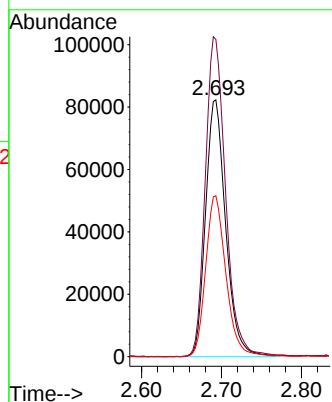
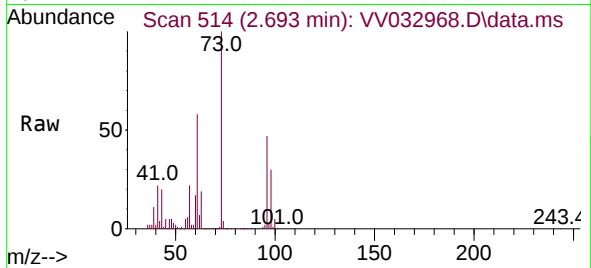




#17
trans-1,2-Dichloroethene
Concen: 50.786 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

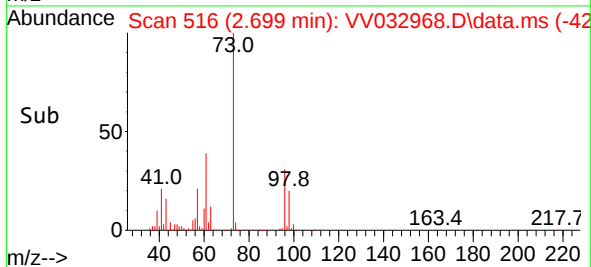
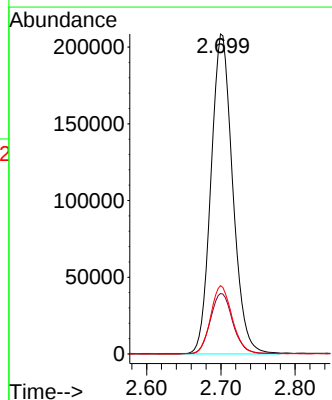
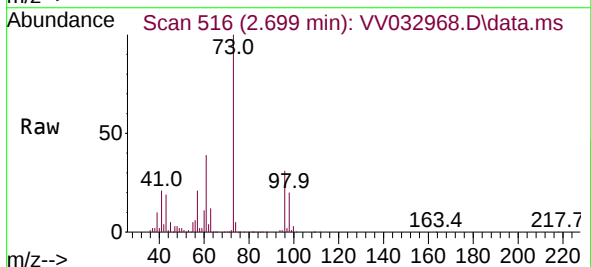
Instrument :
MSVOA_V
ClientSampleId :

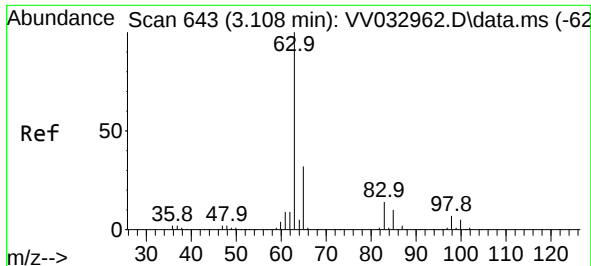
Tgt Ion: 96 Resp: 144288
Ion Ratio Lower Upper
96 100
61 123.5 86.9 161.5
98 62.7 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 50.716 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 73 Resp: 422864
Ion Ratio Lower Upper
73 100
43 19.2 15.7 23.5
57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 49.995 ug/L

RT: 3.108 min Scan# 643

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

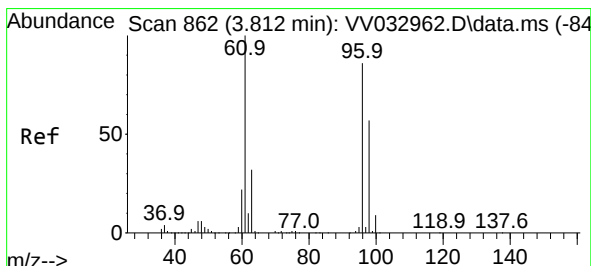
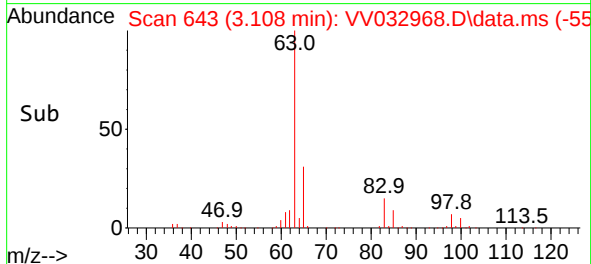
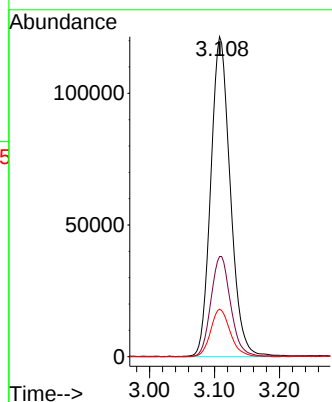
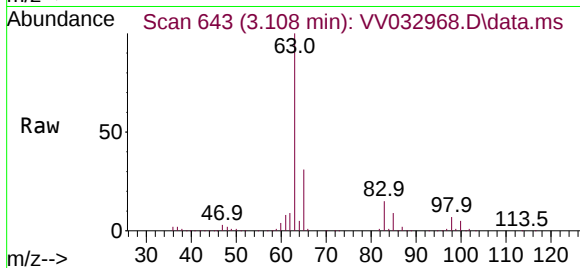
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63 Resp: 253759

Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.0	41.0
83	14.9	9.7	18.1



#20

cis-1,2-Dichloroethene

Concen: 52.018 ug/L

RT: 3.812 min Scan# 862

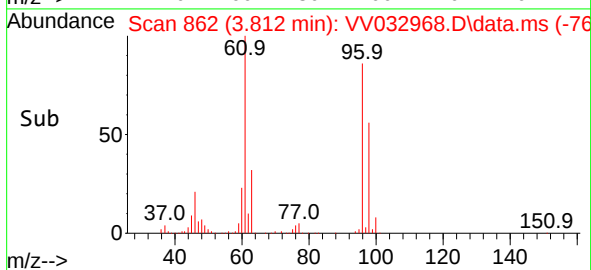
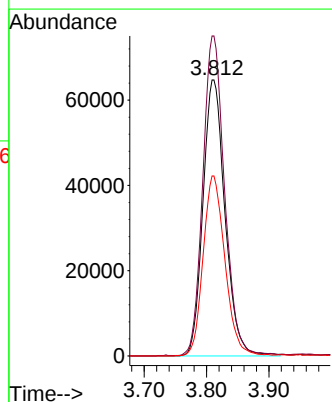
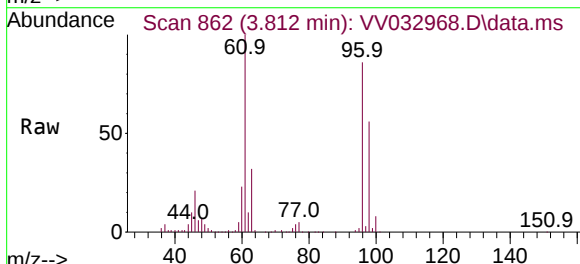
Delta R.T. -0.000 min

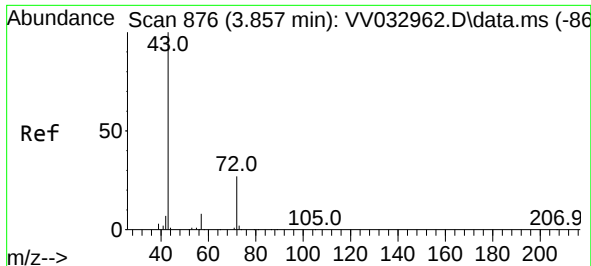
Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Tgt Ion: 96 Resp: 159157

Ion	Ratio	Lower	Upper
96	100		
61	115.9	83.5	155.1
98	65.2	44.0	81.8

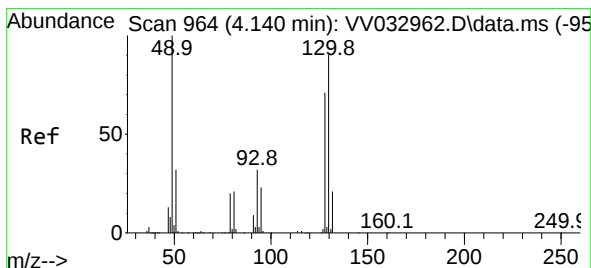
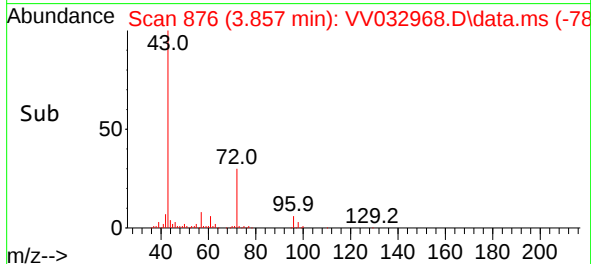
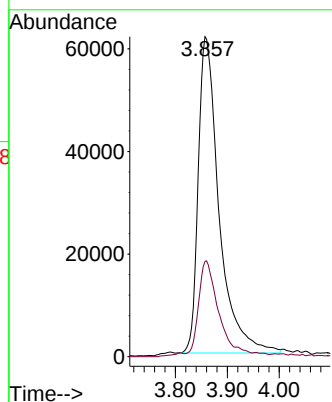
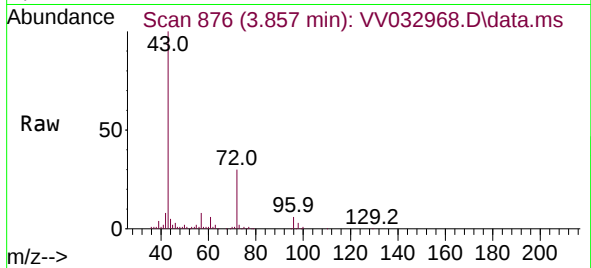




#22
2-Butanone
Concen: 93.965 ug/L
RT: 3.857 min Scan# 876
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

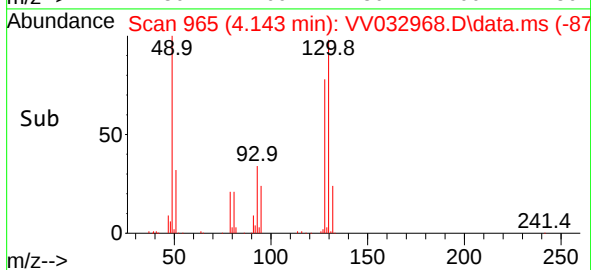
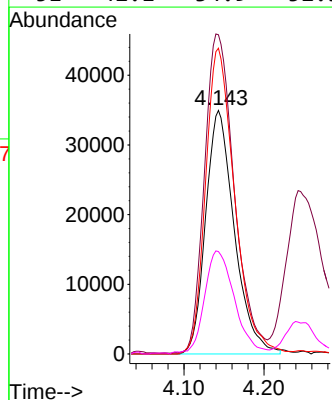
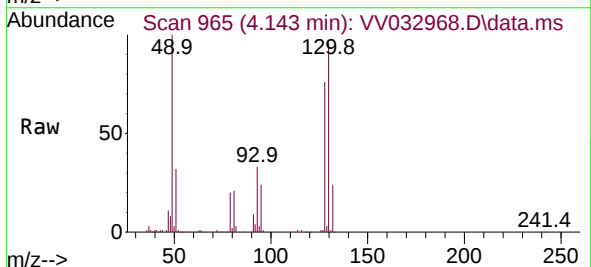
Instrument :
MSVOA_V
ClientSampleId :

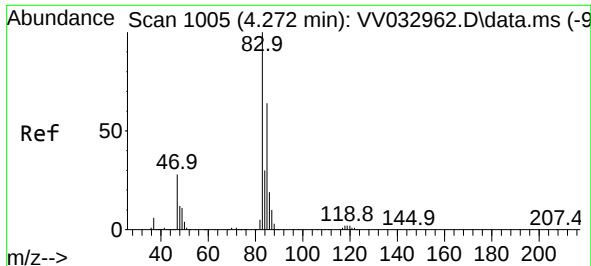
Tgt Ion: 43 Resp: 171871
Ion Ratio Lower Upper
43 100
72 25.8 14.0 41.9



#23
Bromochloromethane
Concen: 50.753 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 128 Resp: 87220
Ion Ratio Lower Upper
128 100
49 131.1 99.7 185.1
130 125.5 88.7 164.7
51 42.1 34.9 52.3

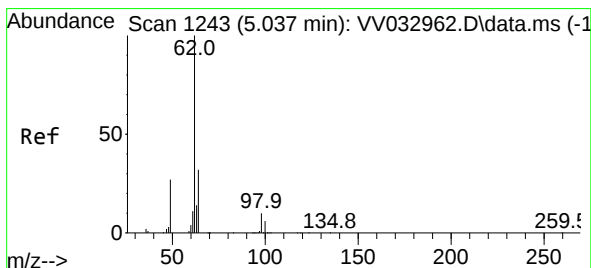
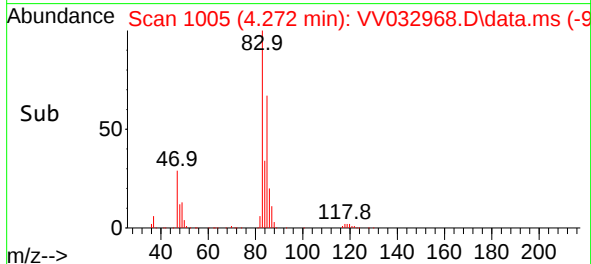
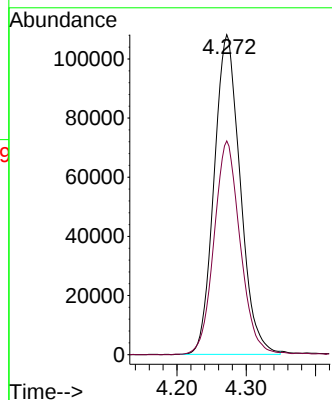
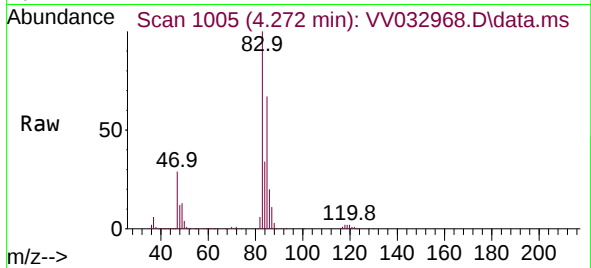




#25
Chloroform
Concen: 50.522 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

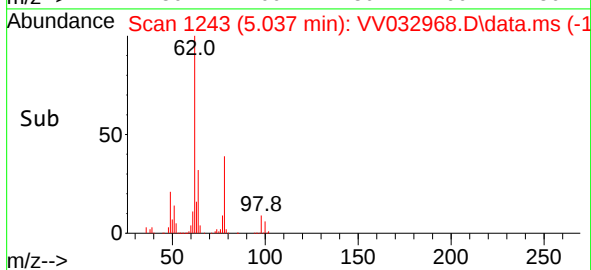
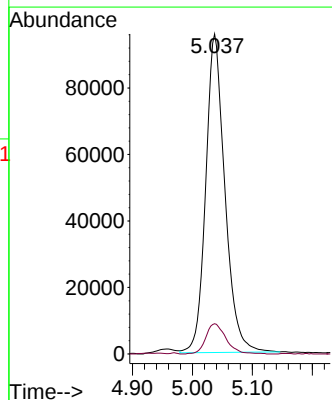
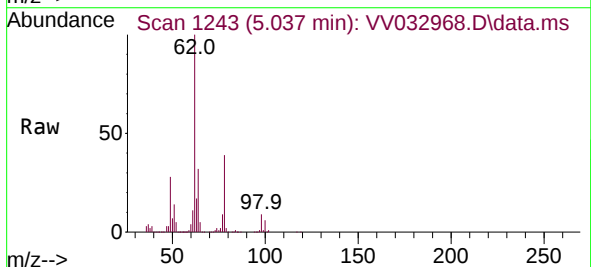
Instrument :
MSVOA_V
ClientSampleId :

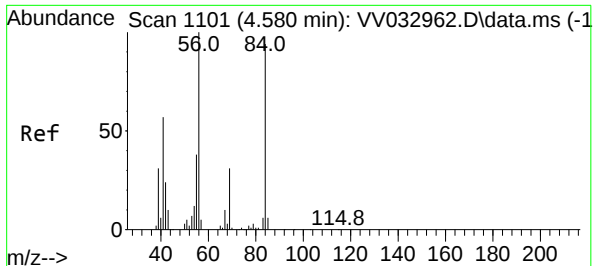
Tgt Ion: 83 Resp: 282969
Ion Ratio Lower Upper
83 100
85 66.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.497 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 62 Resp: 213342
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0





#29

Cyclohexane

Concen: 52.533 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

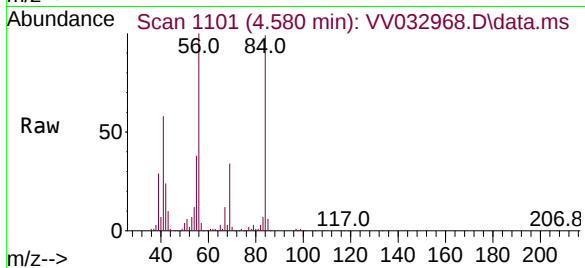
Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :



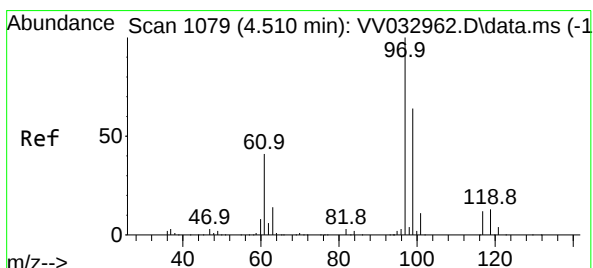
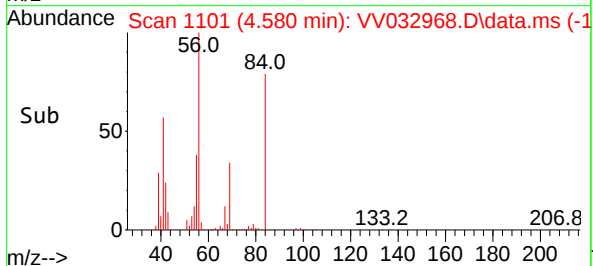
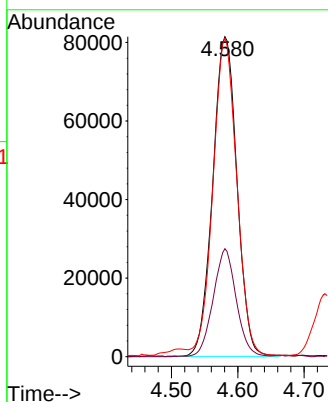
Tgt Ion: 56 Resp: 206692

Ion Ratio Lower Upper

56 100

69 32.1 24.7 37.1

84 97.0 76.6 115.0



#30

1,1,1-Trichloroethane

Concen: 52.092 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

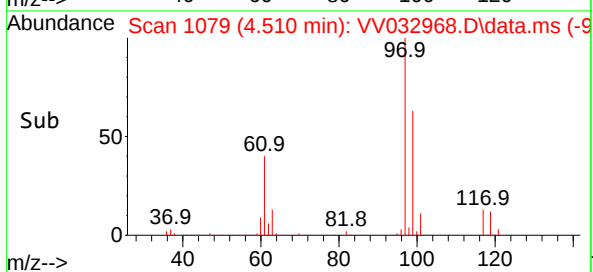
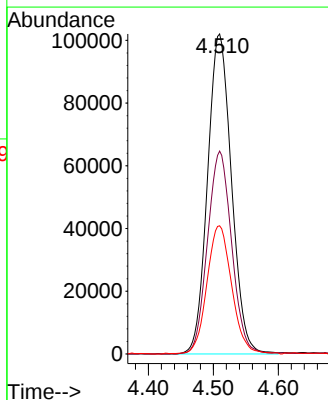
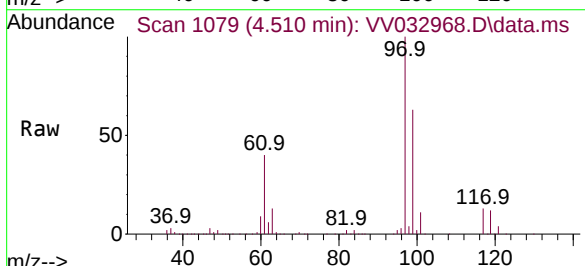
Tgt Ion: 97 Resp: 261367

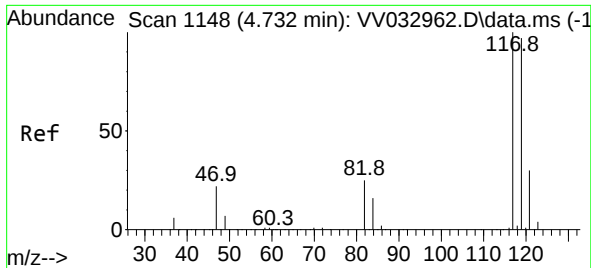
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 41.0 33.3 49.9

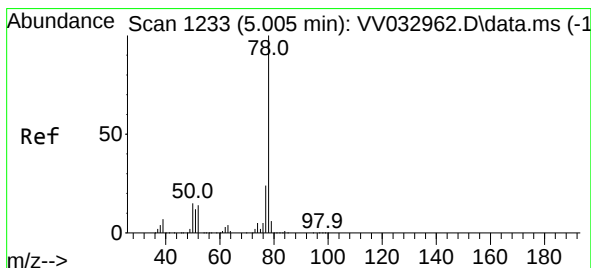
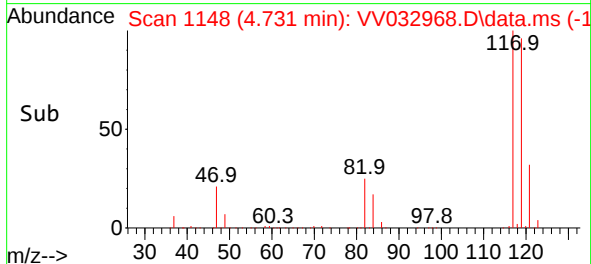
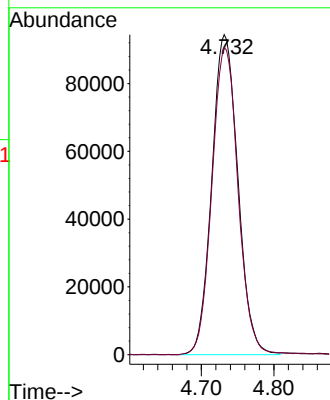
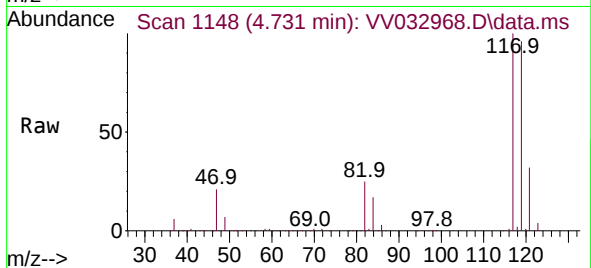




#31
Carbon tetrachloride
Concen: 52.602 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

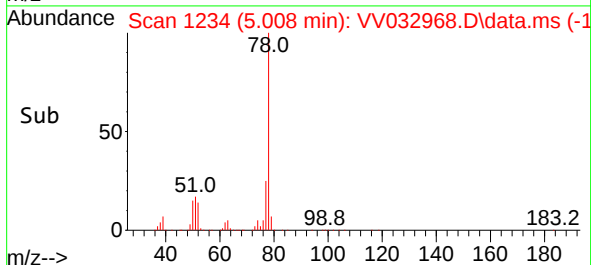
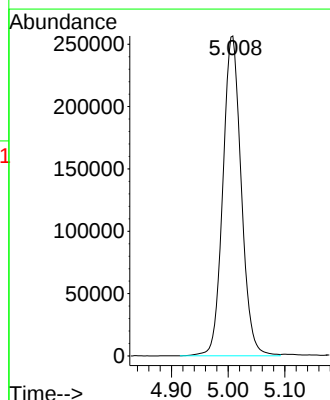
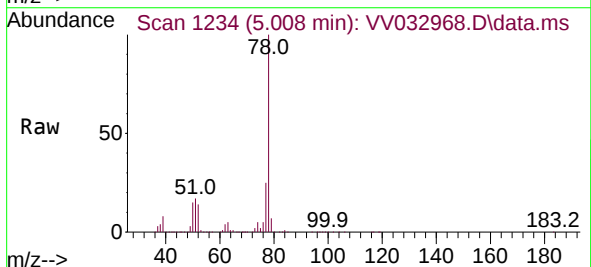
Instrument :
MSVOA_V
ClientSampleId :

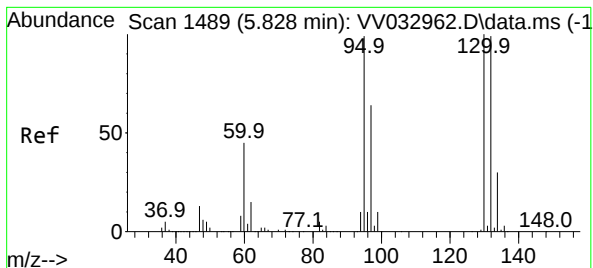
Tgt Ion:117 Resp: 236016
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.4



#33
Benzene
Concen: 51.965 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 78 Resp: 577831





#34

Trichloroethene

Concen: 52.448 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 158501

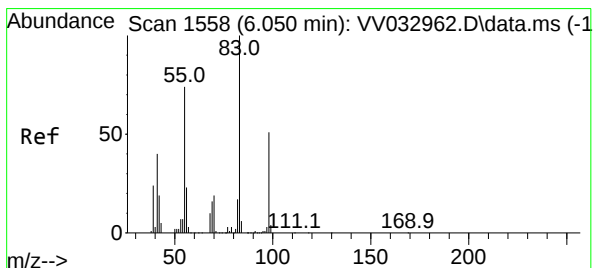
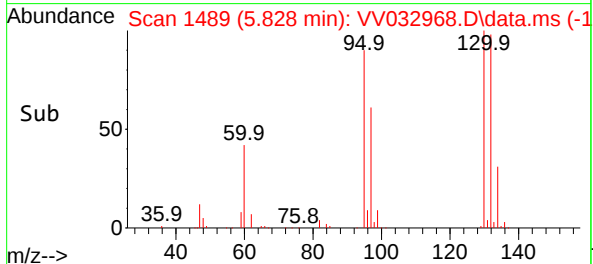
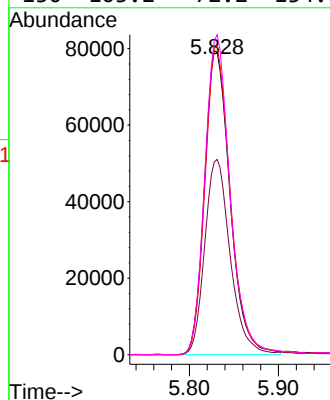
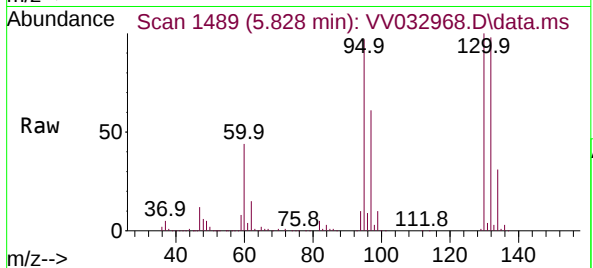
Ion Ratio Lower Upper

95 100

97 63.4 45.7 84.9

132 100.8 70.0 130.0

130 103.2 72.2 134.0



#35

Methylcyclohexane

Concen: 54.449 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

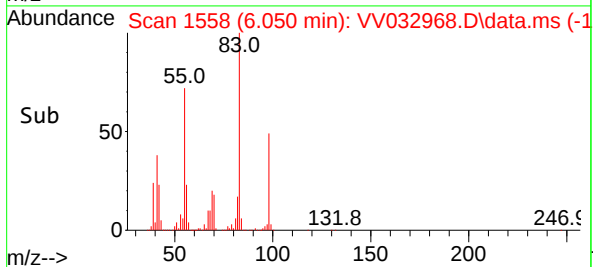
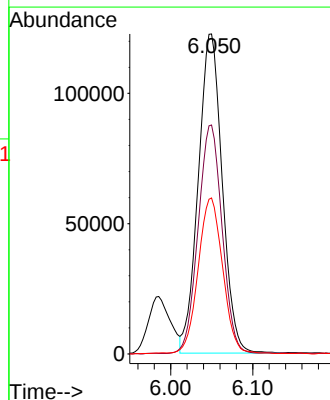
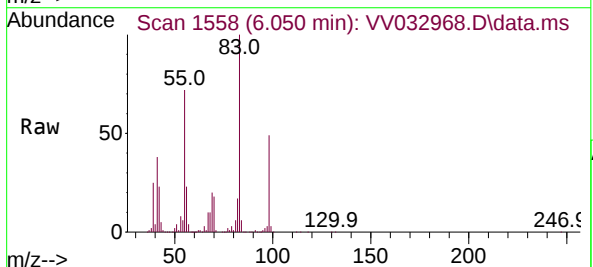
Tgt Ion: 83 Resp: 247983

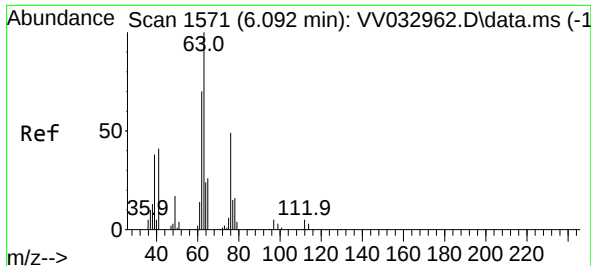
Ion Ratio Lower Upper

83 100

55 71.7 57.5 86.3

98 50.3 41.0 61.4





#37

1,2-Dichloropropane

Concen: 52.779 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

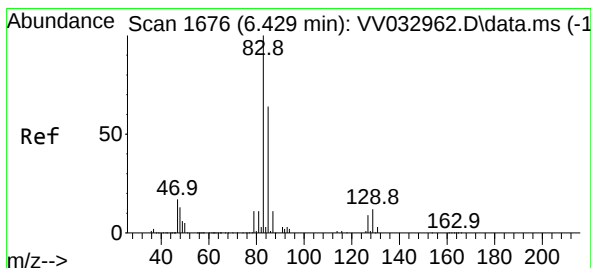
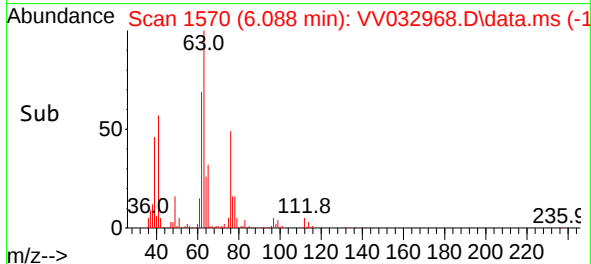
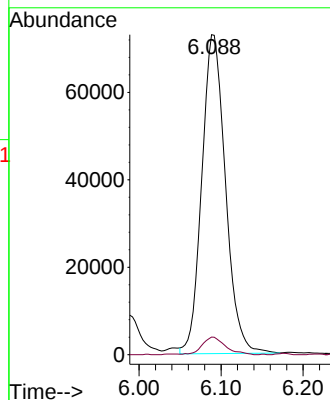
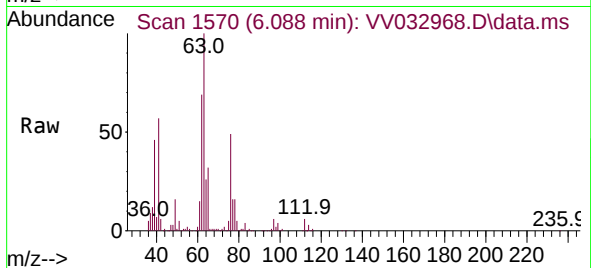
ClientSampleId :

Tgt Ion: 63 Resp: 146565

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.4



#38

Bromodichloromethane

Concen: 50.910 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

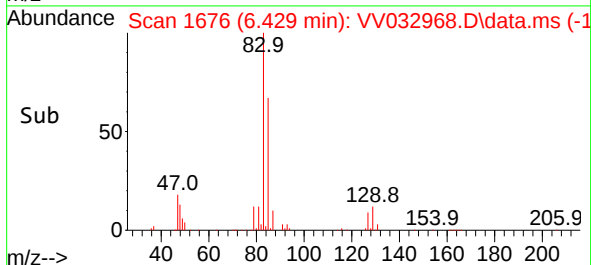
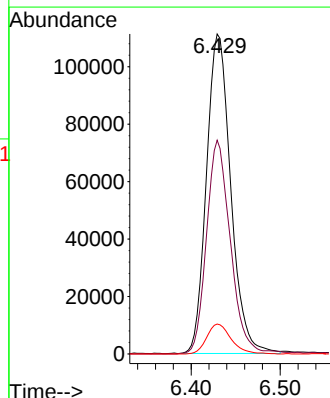
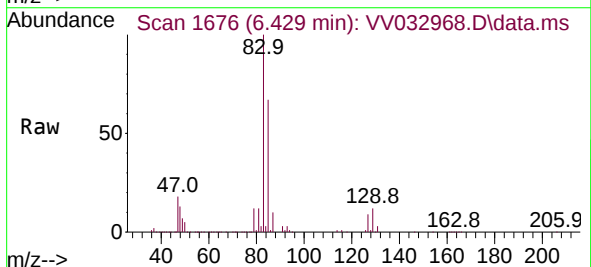
Tgt Ion: 83 Resp: 210895

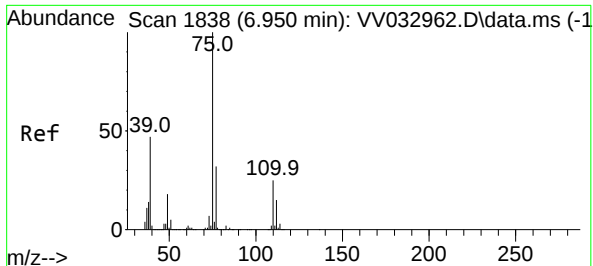
Ion Ratio Lower Upper

83 100

85 66.8 45.1 83.7

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.824 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

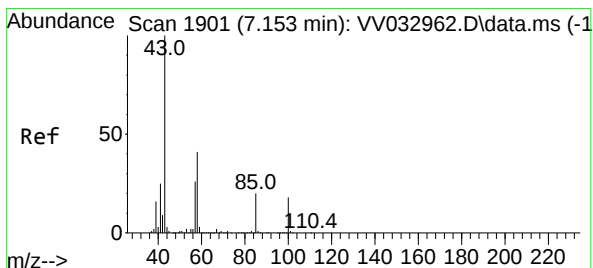
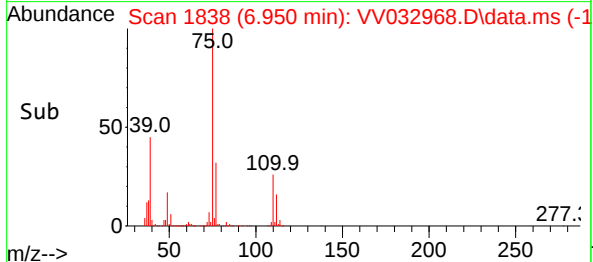
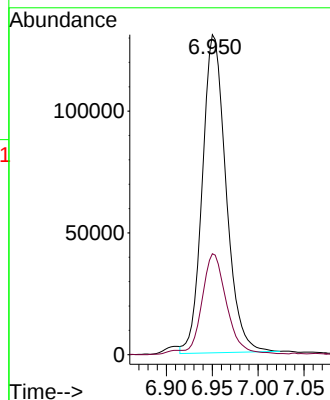
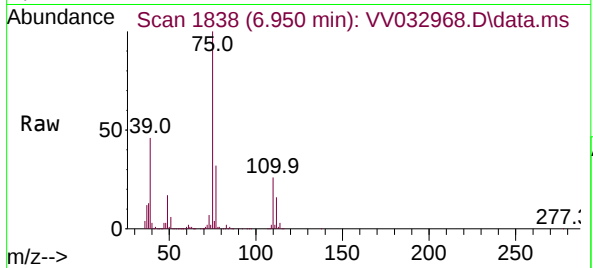
ClientSampleId :

Tgt Ion: 75 Resp: 234727

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 109.292 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

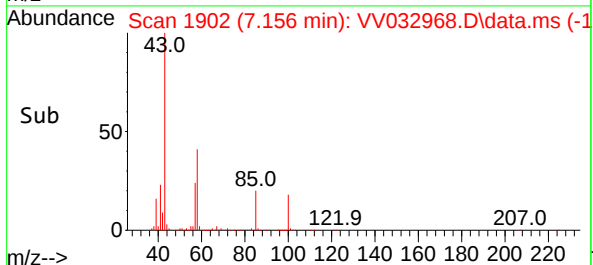
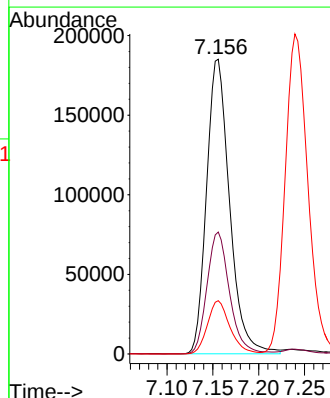
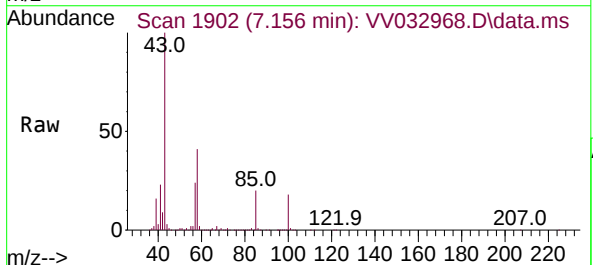
Tgt Ion: 43 Resp: 323655

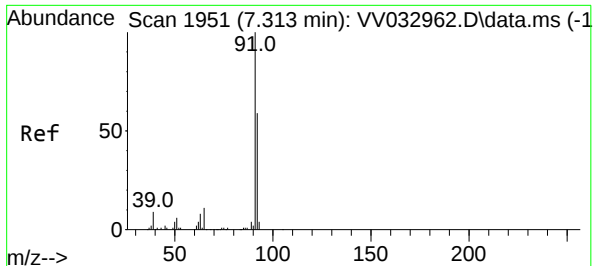
Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0

100 17.7 14.2 21.4





#42

Toluene

Concen: 53.106 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

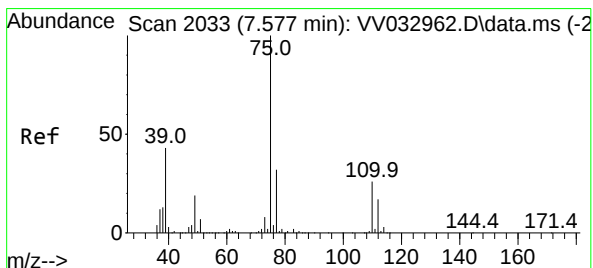
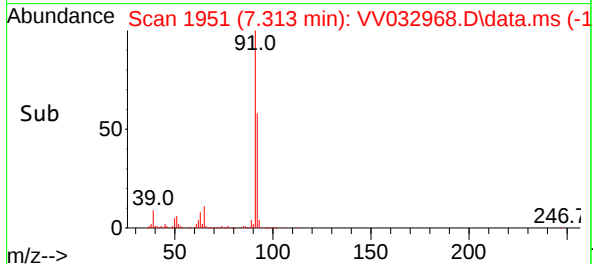
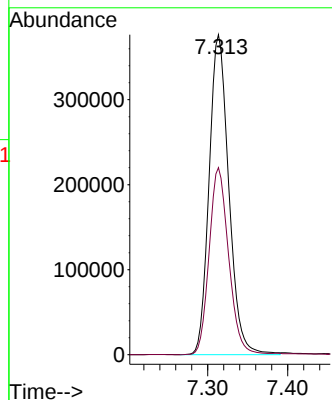
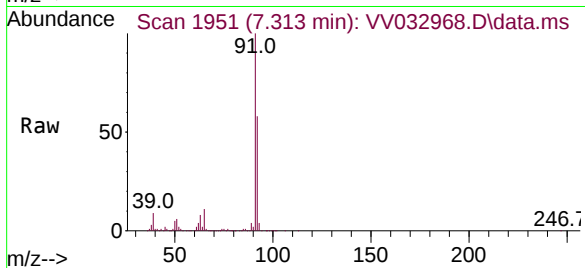
ClientSampleId :

Tgt Ion: 91 Resp: 644392

Ion Ratio Lower Upper

91 100

92 58.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 52.785 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV032968.D

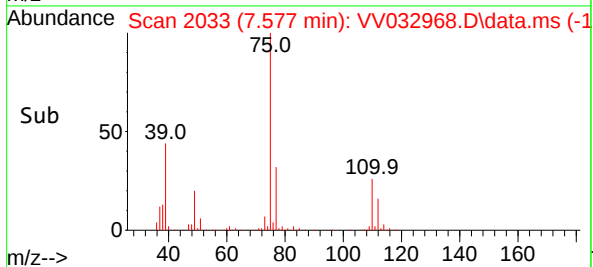
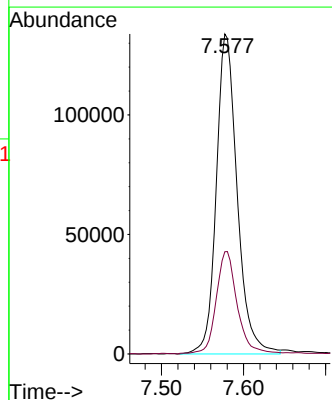
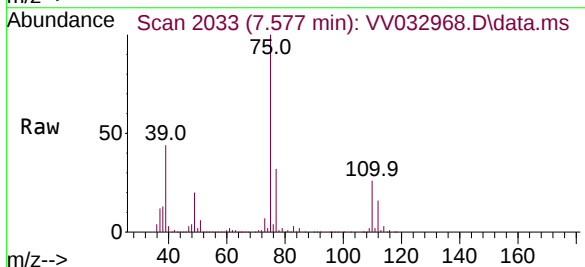
Acq: 16 Nov 2023 15:11

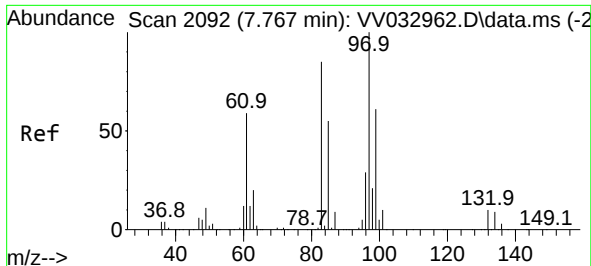
Tgt Ion: 75 Resp: 236798

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 51.796 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 159614

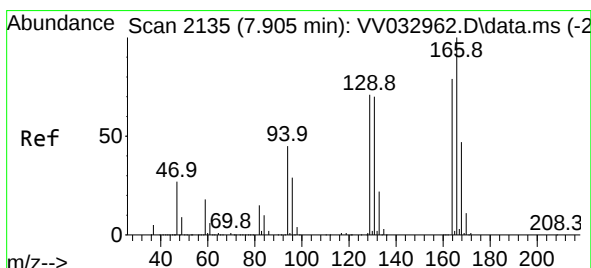
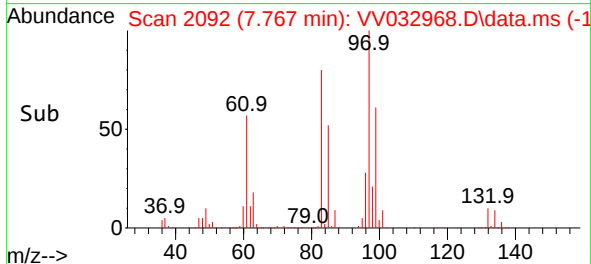
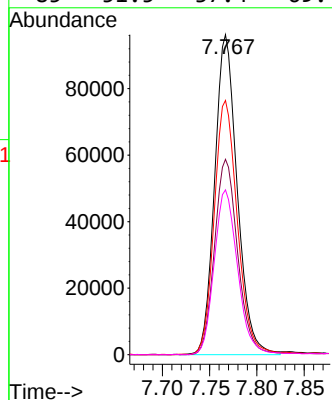
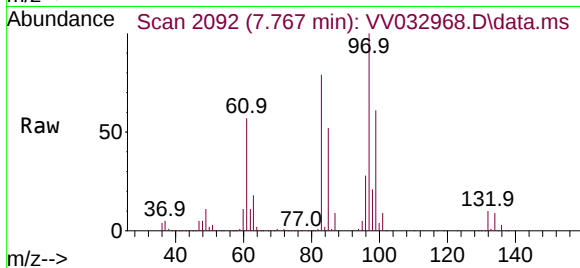
Ion Ratio Lower Upper

97 100

99 61.0 42.8 79.4

83 79.5 57.4 106.6

85 51.5 37.4 69.4



#46

Tetrachloroethene

Concen: 51.361 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Tgt Ion:164 Resp: 133521

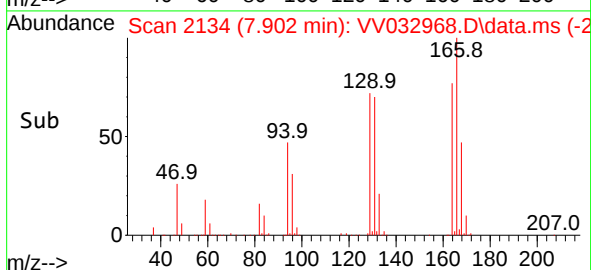
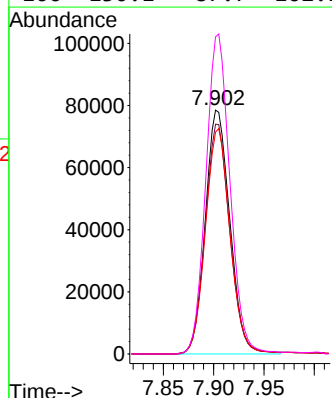
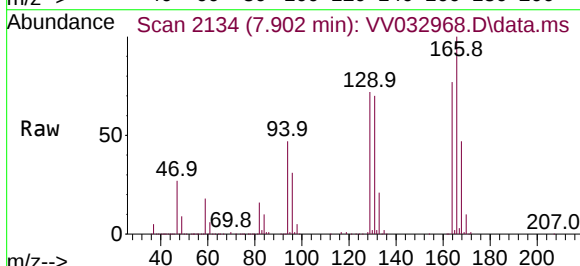
Ion Ratio Lower Upper

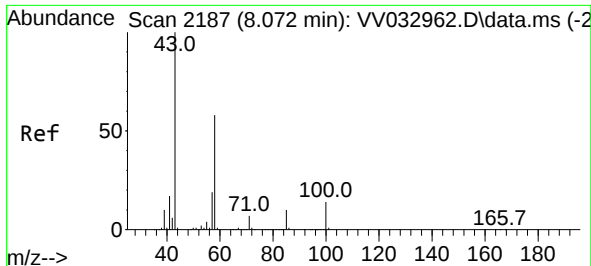
164 100

129 94.3 64.2 119.2

131 91.1 63.5 117.9

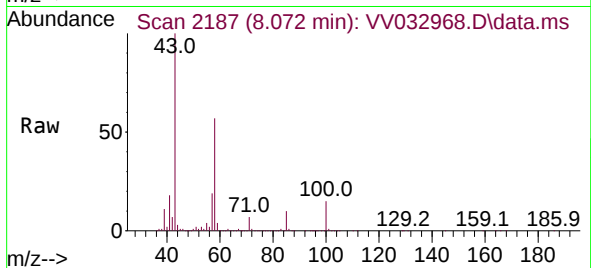
166 130.1 87.7 162.9





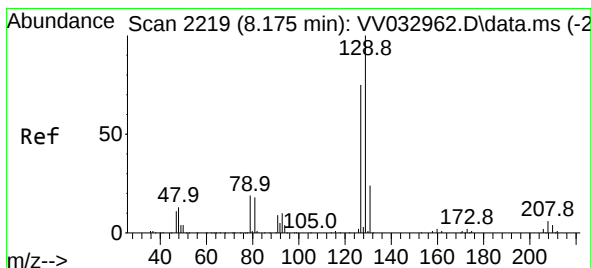
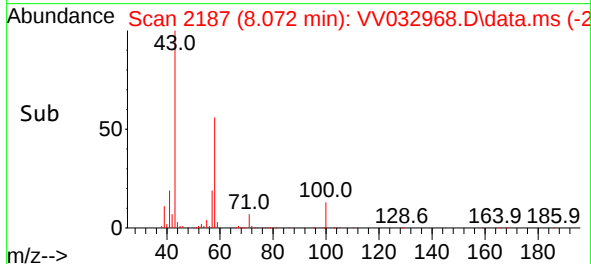
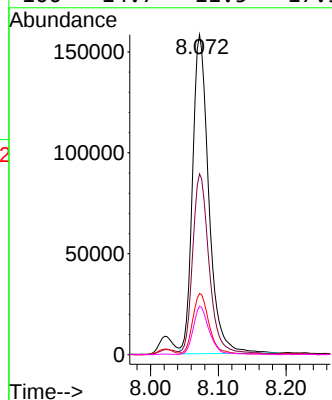
#48
2-Hexanone
Concen: 102.058 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 263315

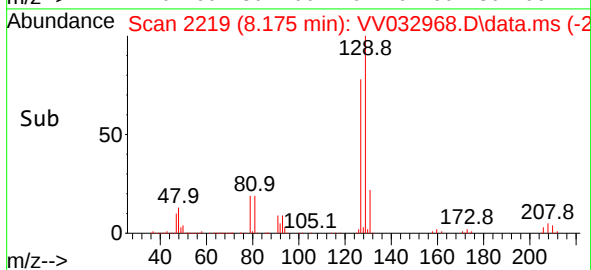
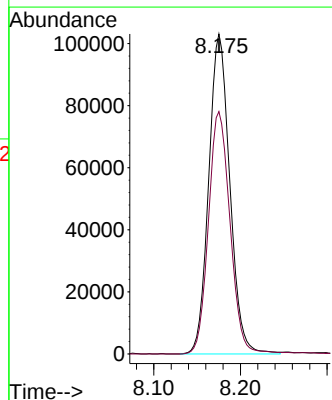
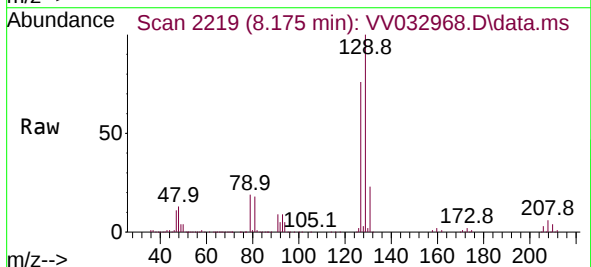
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.8	67.2
57	18.6	15.2	22.8
100	14.7	11.5	17.3

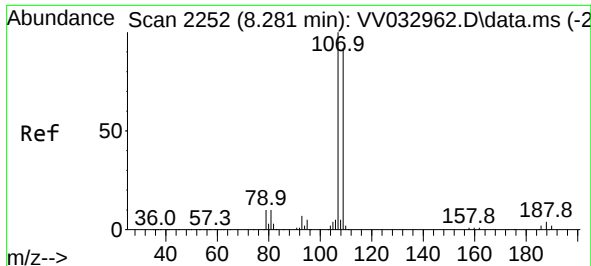


#49
Dibromochloromethane
Concen: 52.523 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 129 Resp: 174364

Ion	Ratio	Lower	Upper
129	100		
127	75.7	55.1	102.3





#50

1,2-Dibromoethane

Concen: 51.489 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

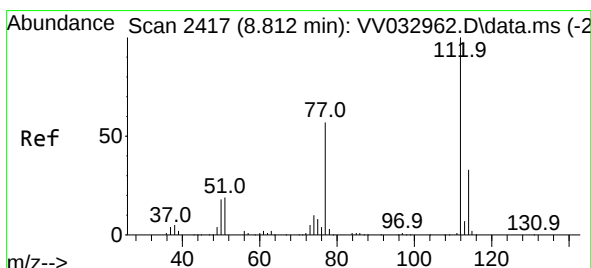
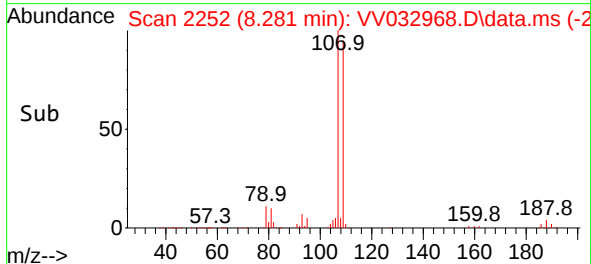
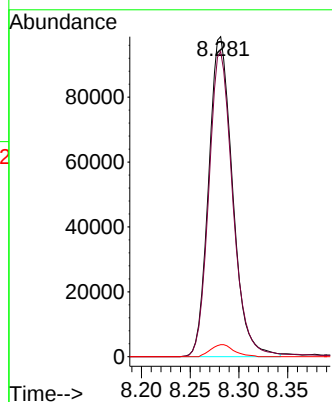
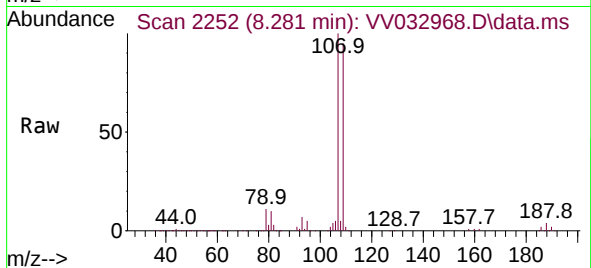
Tgt Ion:107 Resp: 168886

Ion Ratio Lower Upper

107 100

109 95.3 66.3 123.1

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 51.719 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

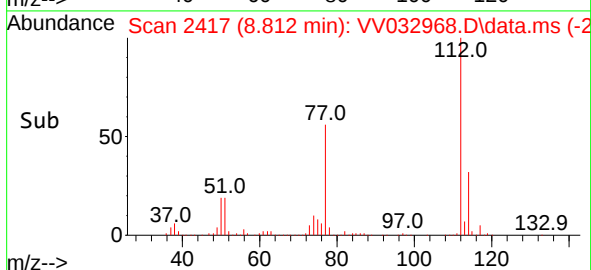
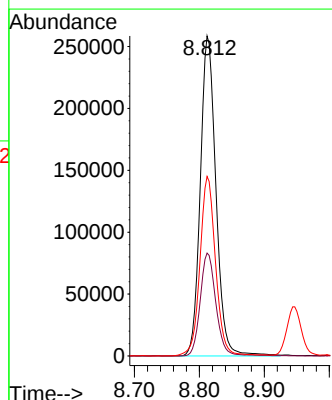
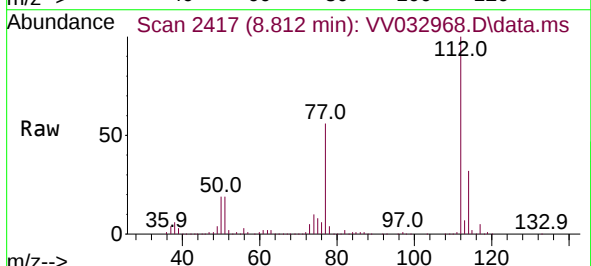
Tgt Ion:112 Resp: 434732

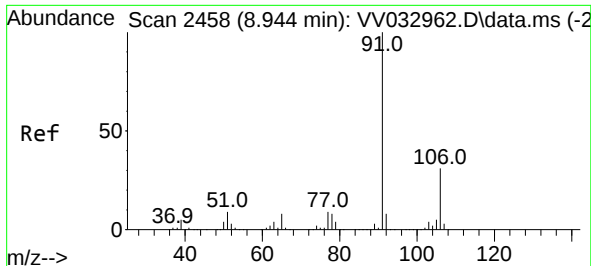
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 56.1 44.2 66.2

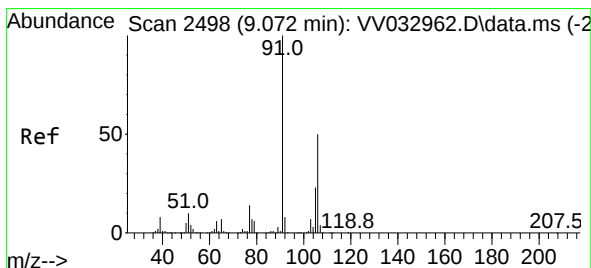
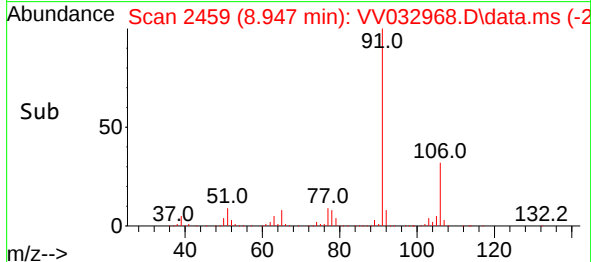
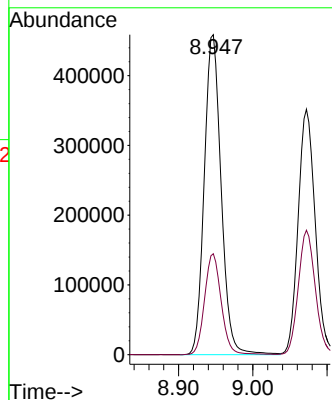
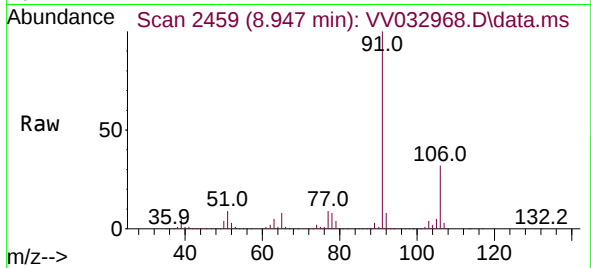




#52
Ethylbenzene
Concen: 53.837 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

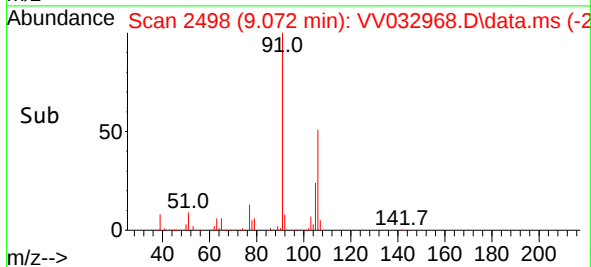
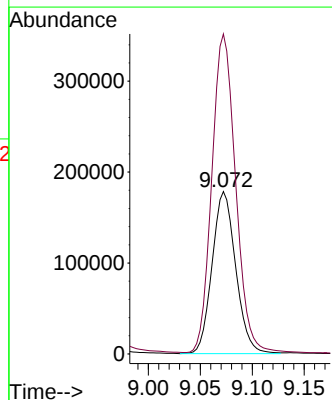
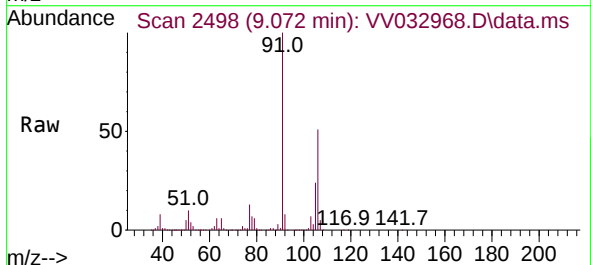
Instrument :
MSVOA_V
ClientSampleId :

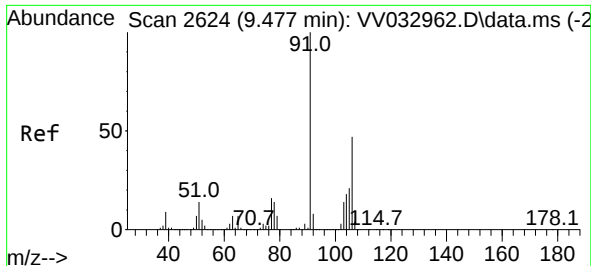
Tgt Ion: 91 Resp: 723456
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.0



#53
m,p-Xylene
Concen: 54.442 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 106 Resp: 281298
Ion Ratio Lower Upper
106 100
91 197.1 137.5 255.4

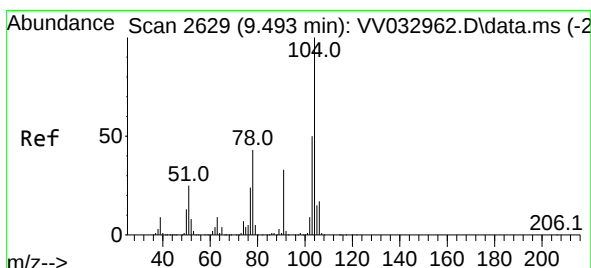
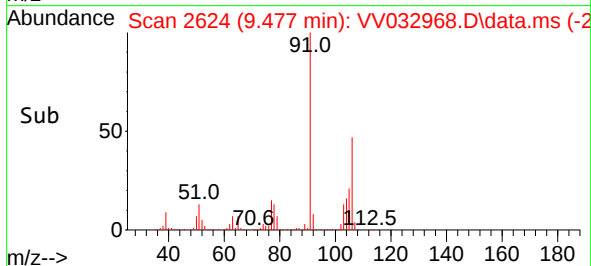
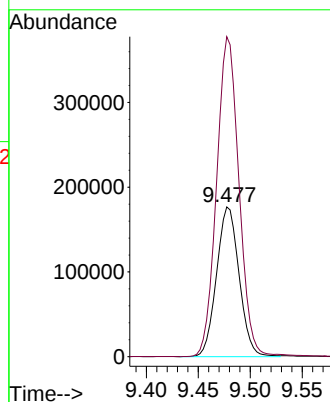
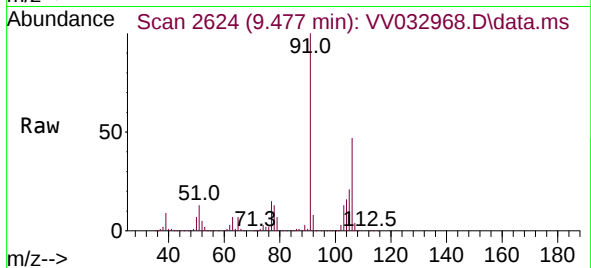




#54
o-Xylene
Concen: 53.588 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

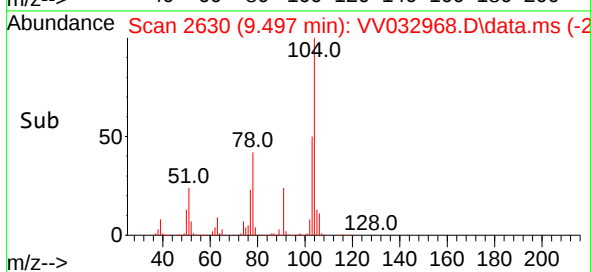
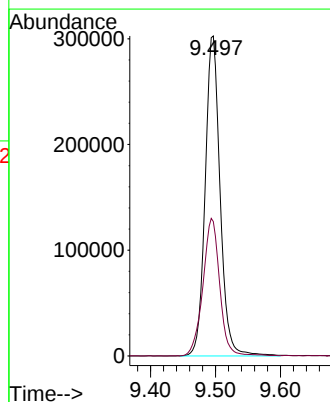
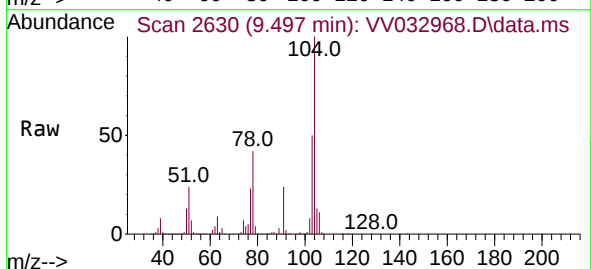
Instrument :
MSVOA_V
ClientSampleId :

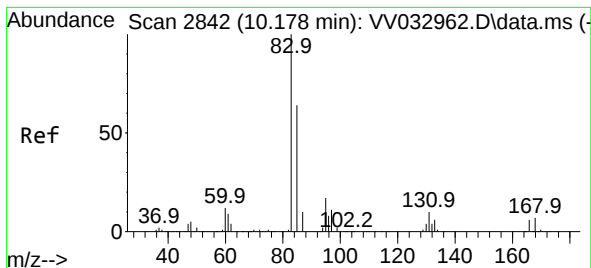
Tgt Ion:106 Resp: 266980
Ion Ratio Lower Upper
106 100
91 213.6 151.6 281.6



#55
Styrene
Concen: 55.354 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion:104 Resp: 486436
Ion Ratio Lower Upper
104 100
78 42.0 29.8 55.4

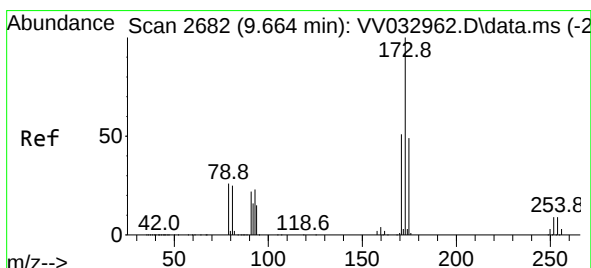
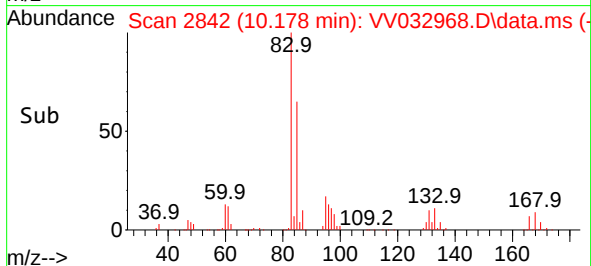
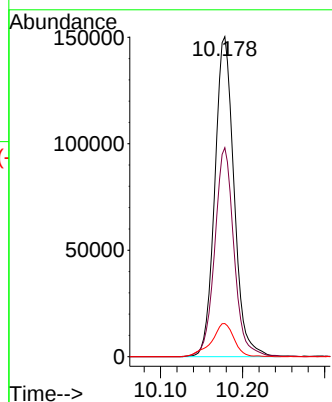
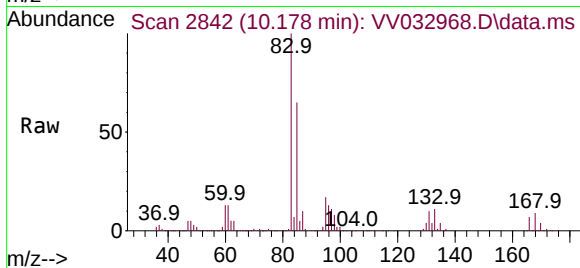




#57
1,1,2,2-Tetrachloroethane
Concen: 51.616 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

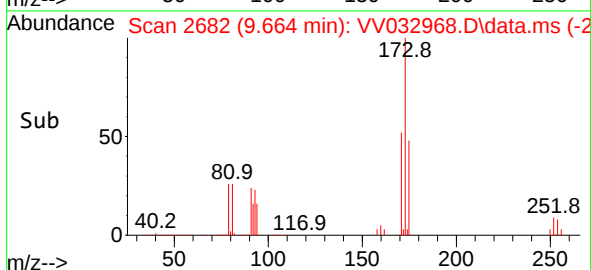
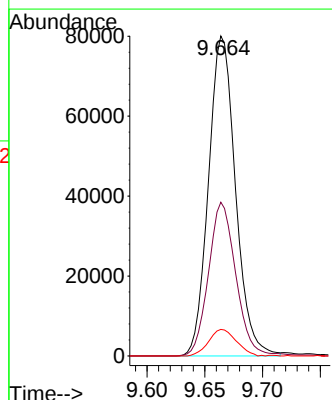
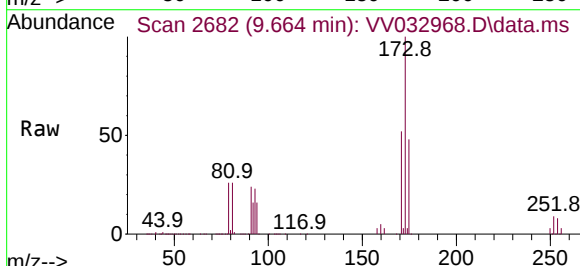
Instrument :
MSVOA_V
ClientSampleId :

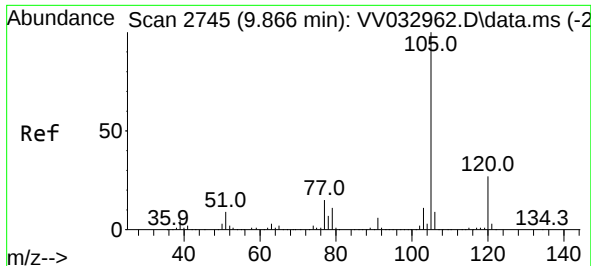
Tgt Ion: 83 Resp: 244704
Ion Ratio Lower Upper
83 100
85 65.3 44.7 83.1
131 10.3 8.7 13.1



#59
Bromoform
Concen: 50.870 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 173 Resp: 130264
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.4
254 8.5 7.0 10.6

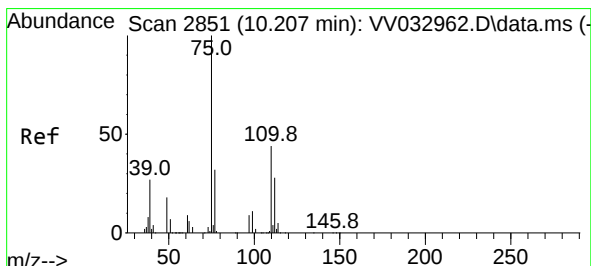
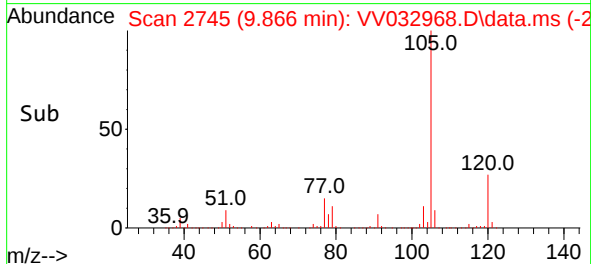
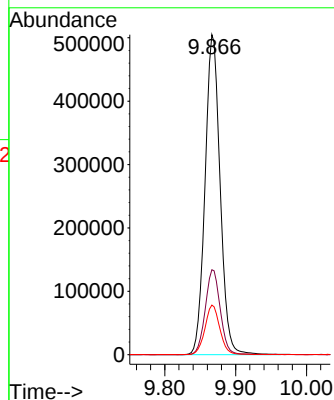
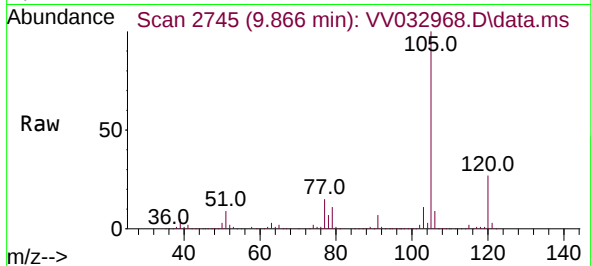




#60
Isopropylbenzene
Concen: 52.320 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

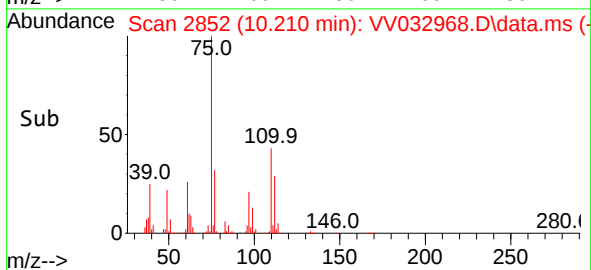
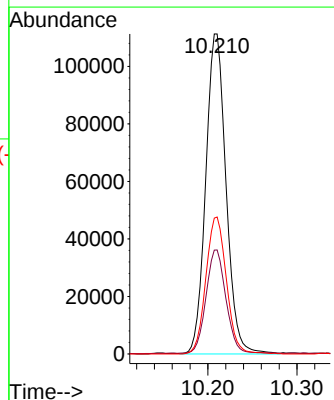
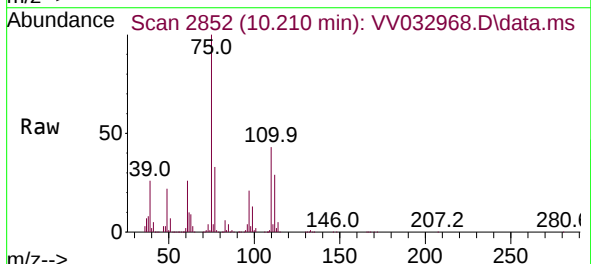
Instrument :
MSVOA_V
ClientSampleId :

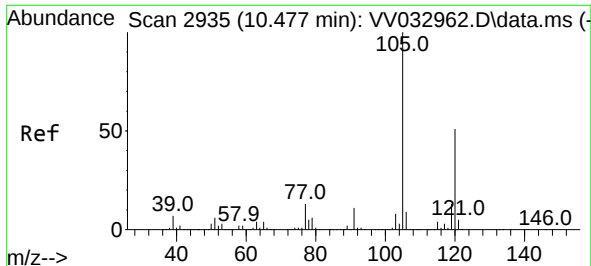
Tgt Ion:105 Resp: 745522
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.2
77 15.2 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 50.071 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

Tgt Ion: 75 Resp: 176421
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
110 43.2 34.6 52.0

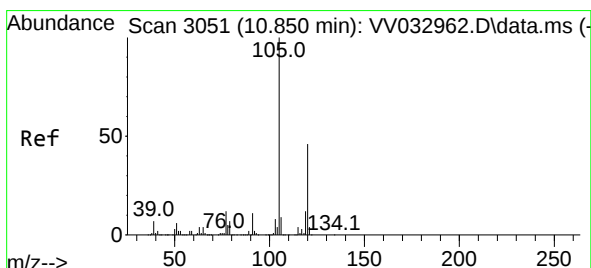
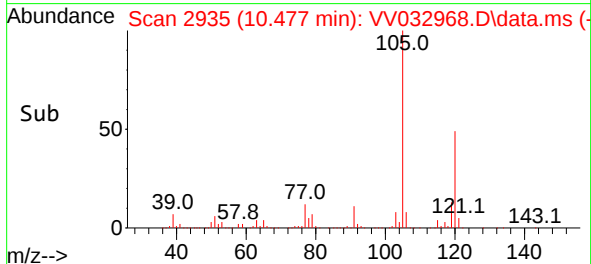
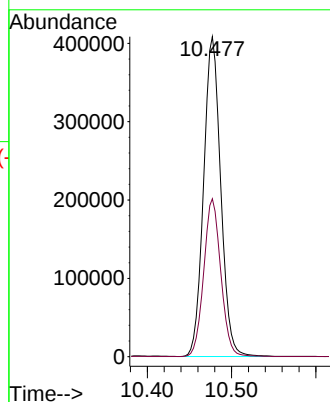
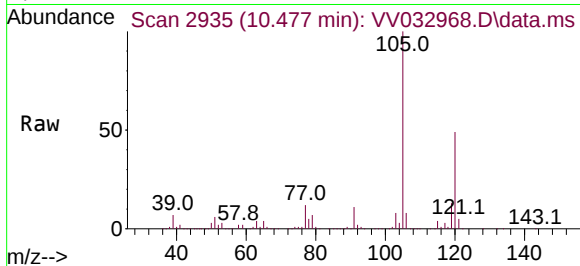




#62
 1,3,5-Trimethylbenzene
 Concen: 53.574 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

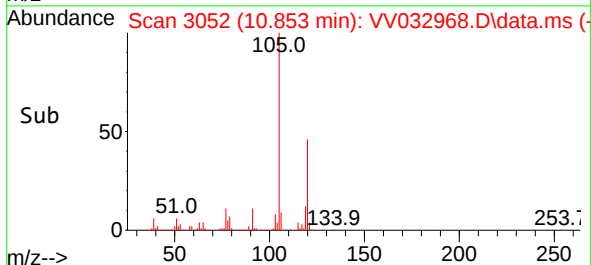
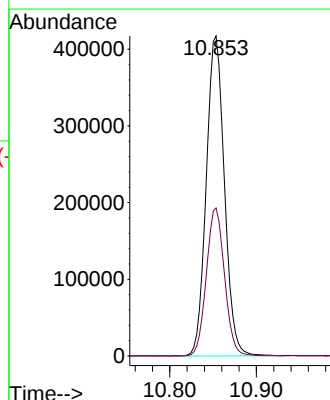
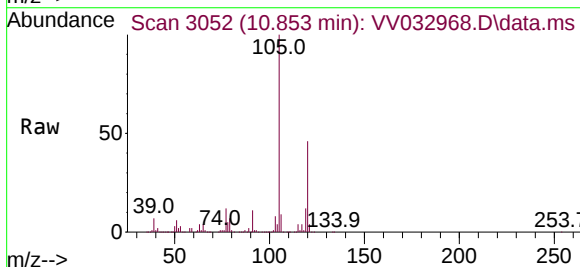
Instrument :
 MSVOA_V
 ClientSampleId :

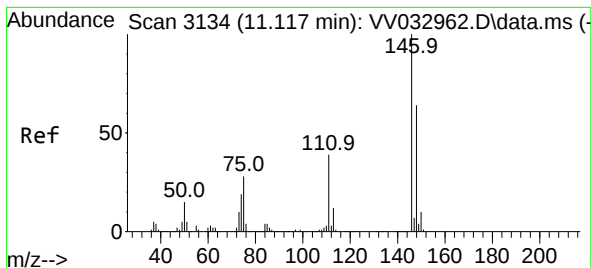
Tgt Ion:105 Resp: 579102
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 53.792 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.003 min
 Lab File: VV032968.D
 Acq: 16 Nov 2023 15:11

Tgt Ion:105 Resp: 607973
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 50.639 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

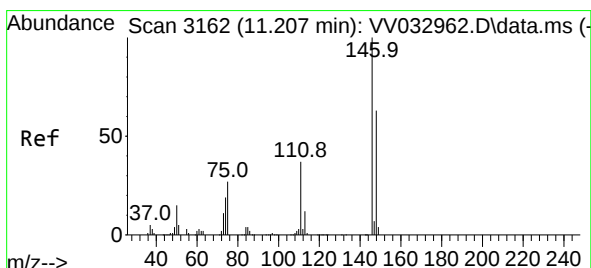
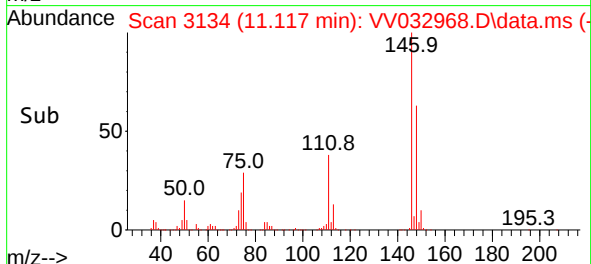
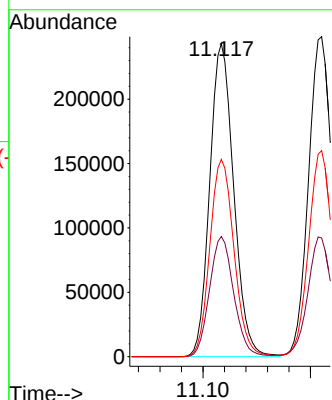
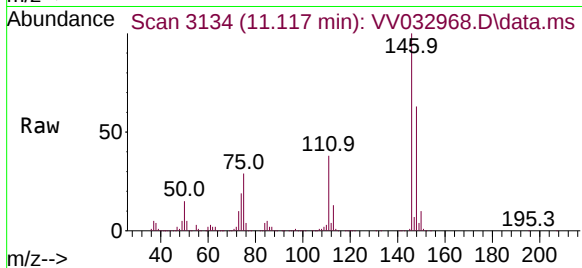
Tgt Ion:146 Resp: 376342

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

148 63.0 43.6 81.0



#65

1,4-Dichlorobenzene

Concen: 48.719 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

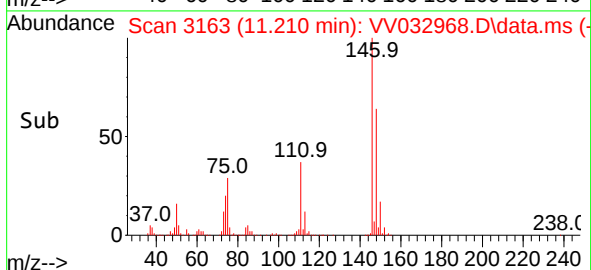
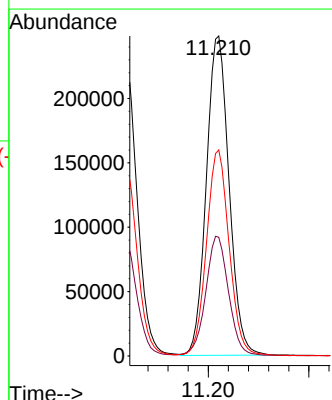
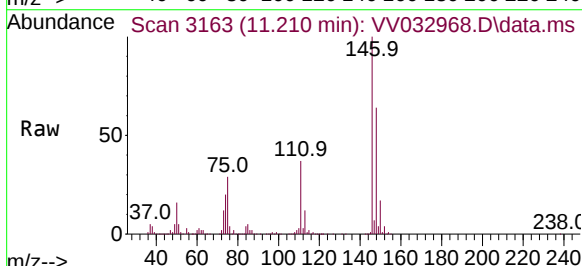
Tgt Ion:146 Resp: 388313

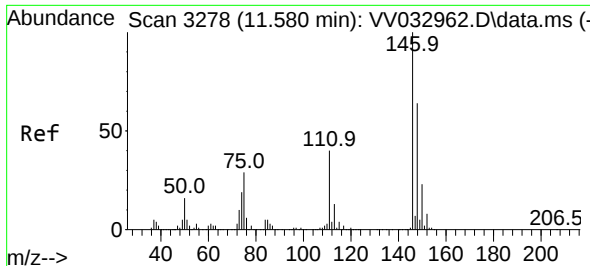
Ion Ratio Lower Upper

146 100

111 37.1 25.5 47.3

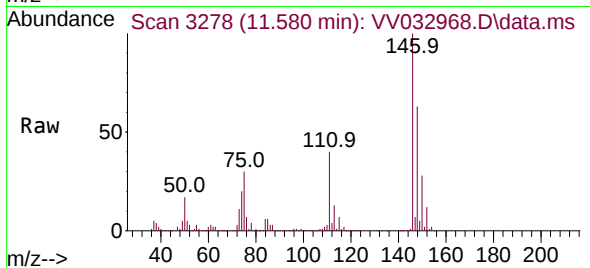
148 64.4 44.4 82.5



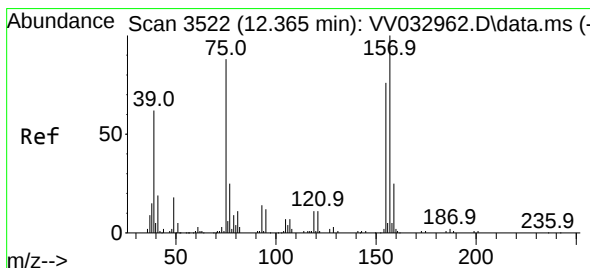
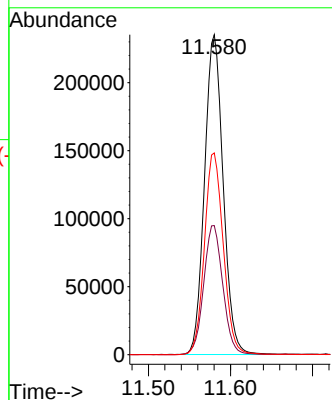
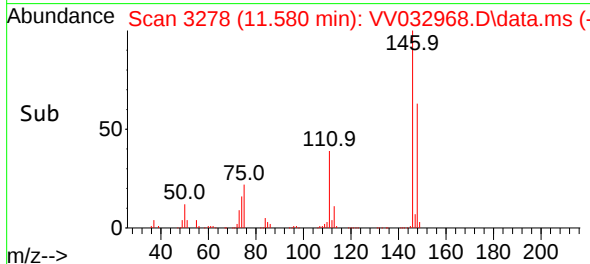


#67
1,2-Dichlorobenzene
Concen: 49.653 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11

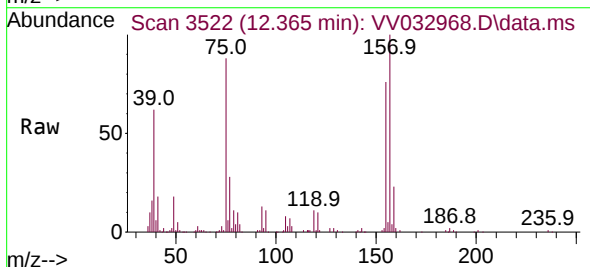
Instrument :
MSVOA_V
ClientSampleId :



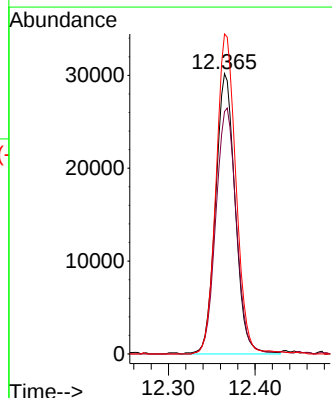
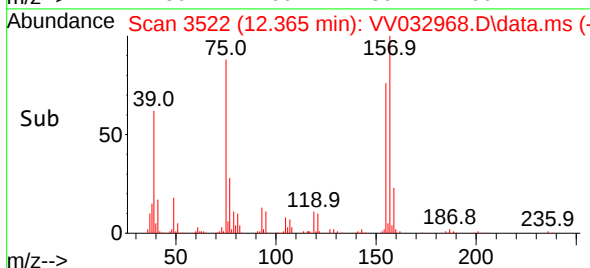
Tgt Ion:146 Resp: 371080
Ion Ratio Lower Upper
146 100
111 40.4 31.1 46.7
148 63.0 51.4 77.0

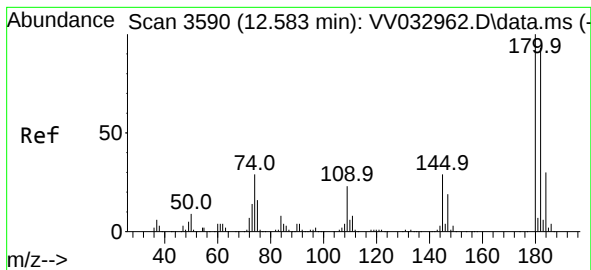


#68
1,2-Dibromo-3-chloropropane
Concen: 48.298 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV032968.D
Acq: 16 Nov 2023 15:11



Tgt Ion: 75 Resp: 47559
Ion Ratio Lower Upper
75 100
155 86.5 76.8 115.2
157 114.1 97.6 146.4





#69

1,3,5-Trichlorobenzene

Concen: 50.380 ug/L

RT: 12.583 min Scan# 31

Delta R.T. -0.000 min

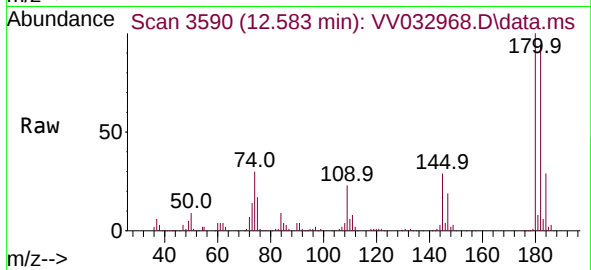
Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 280911

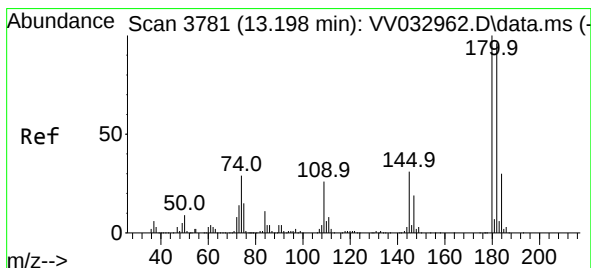
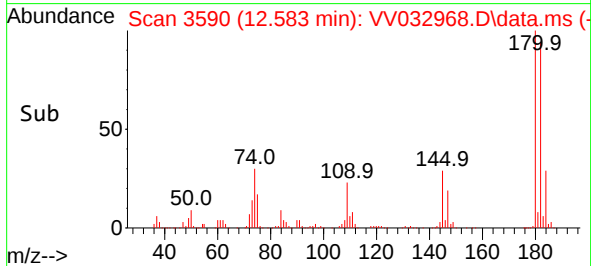
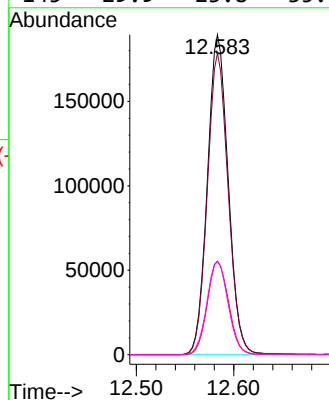
Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

184 29.9 24.6 36.8

145 29.9 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 50.951 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

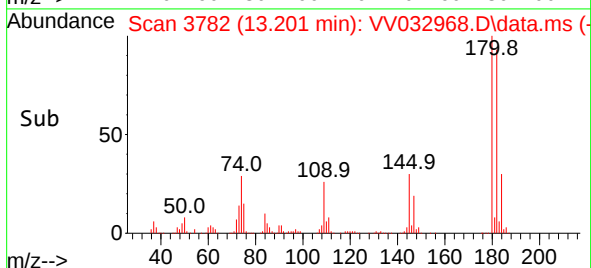
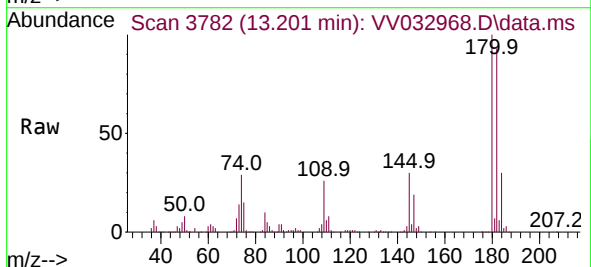
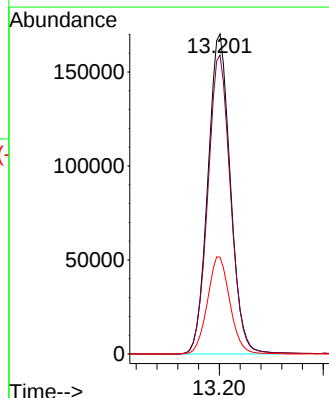
Tgt Ion:180 Resp: 255196

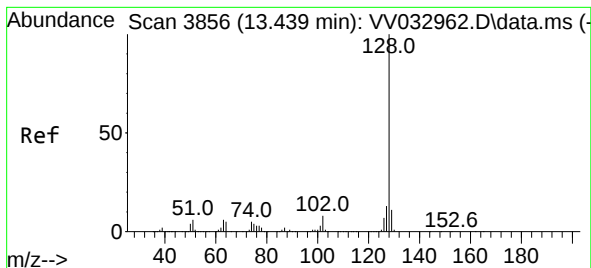
Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

145 30.4 24.3 36.5





#71

Naphthalene

Concen: 53.103 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Instrument :

MSVOA_V

ClientSampleId :

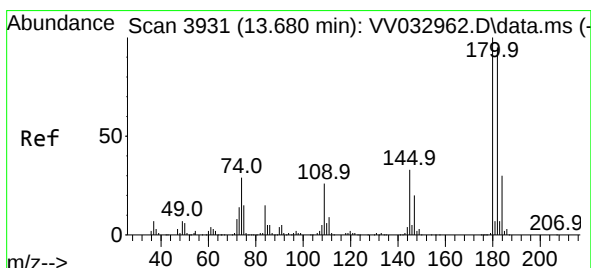
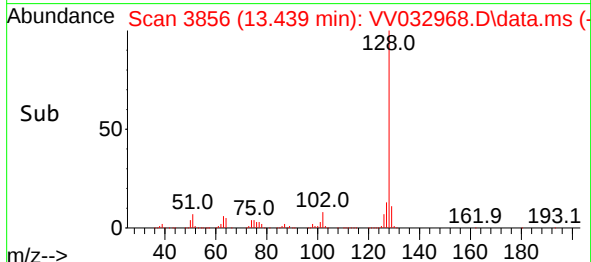
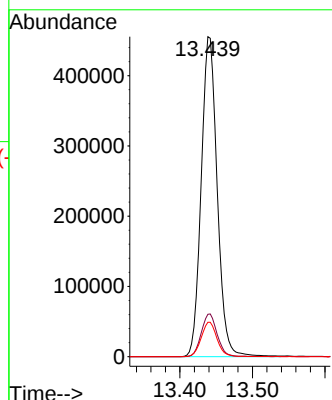
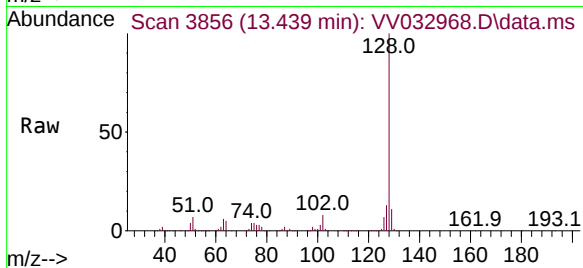
Tgt Ion:128 Resp: 698962

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.400 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV032968.D

Acq: 16 Nov 2023 15:11

Tgt Ion:180 Resp: 264138

Ion Ratio Lower Upper

180 100

182 94.1 76.9 115.3

145 32.5 26.1 39.1

