

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102023\
 Data File : VW032558.D
 Acq On : 21 Oct 2023 05:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 03:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 21 02:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	83279	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	95947	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	51828	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	31623	4.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.532	69	29684	5.399	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.000%
11) 1,1-Dichloroethene-d2	2.060	65	13789	4.827	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	3.822	46	84777	49.481	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.960%
24) Chloroform-d	4.371	84	10009	0.838	ug/L	0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	16.800%#
26) 1,2-Dichloroethane-d4	4.947	65	32739	5.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.600%
32) Benzene-d6	4.963	84	112714	3.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	5.992	67	35460	3.791	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.800%
41) Toluene-d8	7.246	98	109929	4.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	7.558	79	14230	4.293	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.030	63	83386	53.468	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.940%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	34567	5.283	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	40886	4.251	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	47285	5.095	ug/L	98
3) Chloromethane	1.217	50	51072	5.459	ug/L	97
5) Vinyl chloride	1.281	62	50895	5.704	ug/L	99
6) Bromomethane	1.487	94	27449	5.092	ug/L	99
8) Chloroethane	1.548	64	32921	6.128	ug/L	96
9) Trichlorofluoromethane	1.712	101	66068	6.174	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	35726	5.510	ug/L	97
12) 1,1-Dichloroethene	2.069	96	36641	5.999	ug/L	87
13) Acetone	2.146	43	65741	49.783	ug/L	93
14) Carbon disulfide	2.240	76	97911	4.586	ug/L	99
15) Methyl Acetate	2.391	43	16491	5.547	ug/L	94
16) Methylene chloride	2.449	84	44121	5.541	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	87798	5.280	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	35164	5.026	ug/L	99
19) 1,1-Dichloroethane	3.114	63	71544	5.436	ug/L	99
21) 2-Butanone	3.908	43	95440	46.216	ug/L	95
22) cis-1,2-Dichloroethene	3.822	96	38314	5.086	ug/L	97
23) Bromochloromethane	4.153	128	18033	5.690	ug/L	99
25) Chloroform	4.278	83	75041	5.812	ug/L	97

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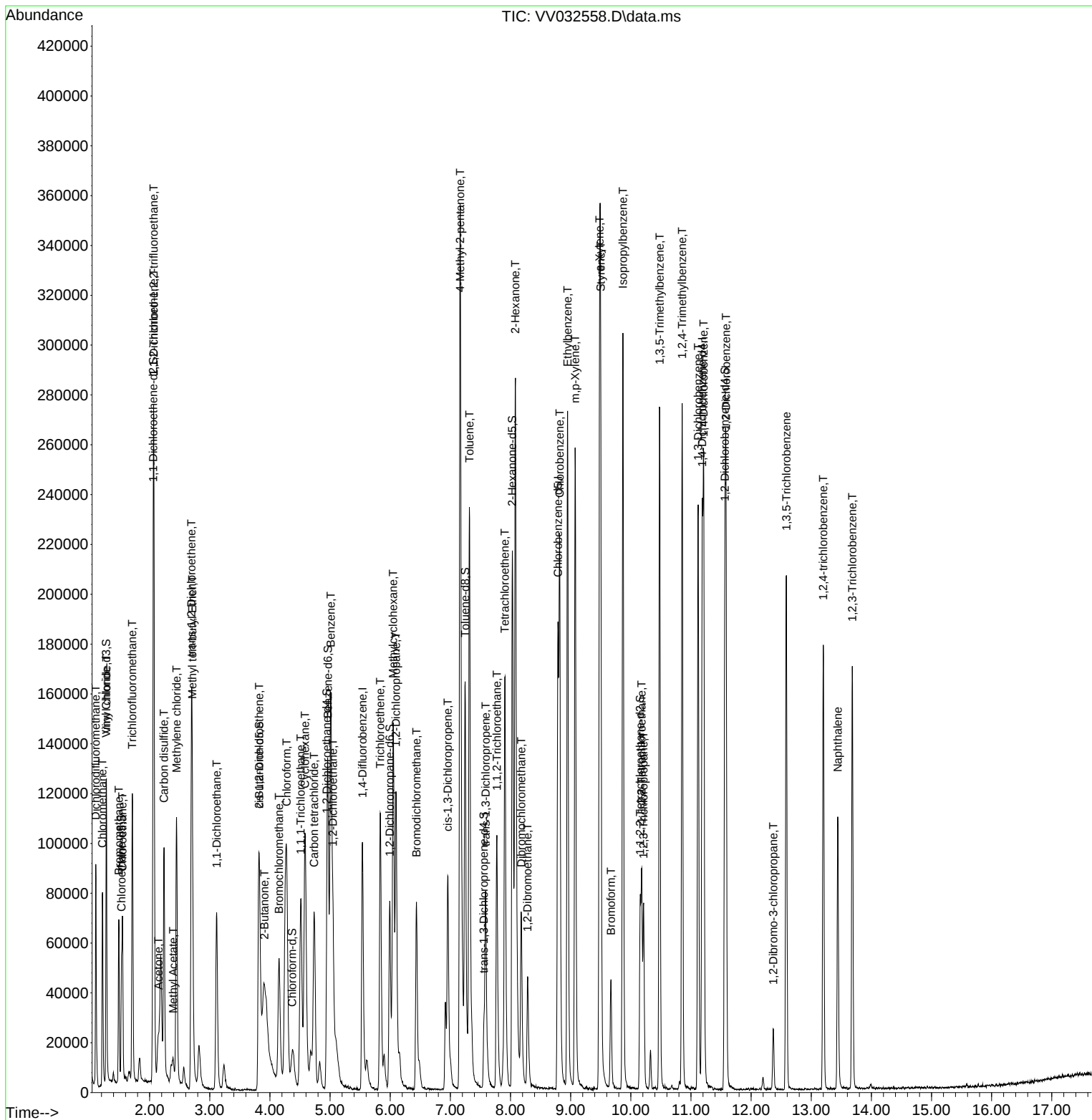
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 ClientSampleId :

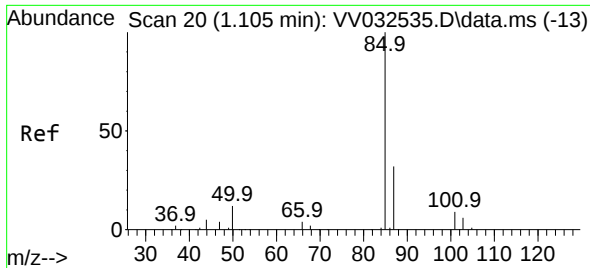
Quant Time: Oct 23 03:01:34 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	45213	5.927	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	62672	4.804	ug/L	97
30) Cyclohexane	4.584	56	49963	3.485	ug/L	98
31) Carbon tetrachloride	4.735	117	52215	4.731	ug/L	99
33) Benzene	5.011	78	156336	4.628	ug/L	100
34) Trichloroethene	5.834	95	39357	4.268	ug/L	98
35) Methylcyclohexane	6.050	83	54564	3.823	ug/L	96
37) 1,2-Dichloropropane	6.095	63	40164	4.446	ug/L	99
38) Bromodichloromethane	6.436	83	58368	5.437	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	56053	4.360	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	289037	50.557	ug/L	98
42) Toluene	7.317	91	181429	5.038	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	48597	4.599	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	33396	5.240	ug/L	99
47) Tetrachloroethene	7.905	164	37949	5.426	ug/L	96
48) 2-Hexanone	8.082	43	206204	51.121	ug/L	99
49) Dibromochloromethane	8.178	129	35206	5.306	ug/L	95
50) 1,2-Dibromoethane	8.284	107	31021	5.146	ug/L	96
51) Chlorobenzene	8.818	112	113652	4.902	ug/L	98
52) Ethylbenzene	8.950	91	189824	4.734	ug/L	99
53) m,p-Xylene	9.075	106	72308	4.862	ug/L	96
54) o-Xylene	9.480	106	68452	4.777	ug/L	97
55) Styrene	9.500	104	123905	5.120	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	40632	5.795	ug/L	97
59) Bromoform	9.670	173	19320	5.126	ug/L	99
60) Isopropylbenzene	9.870	105	187095	4.645	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	27920	5.061	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	143329	4.366	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	141950	4.343	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	90143	4.685	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	91172	4.723	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	84361	4.807	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	5939	5.269	ug/L	93
69) 1,3,5-Trichlorobenzene	12.586	180	60048	4.261	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	49729	3.979	ug/L	99
71) Naphthalene	13.442	128	83292	3.923	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	47473	4.408	ug/L	99

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

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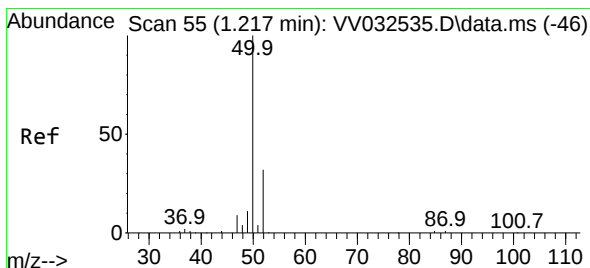
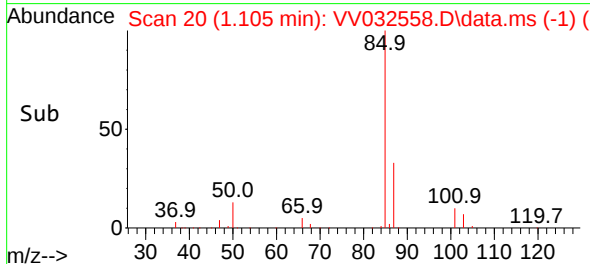
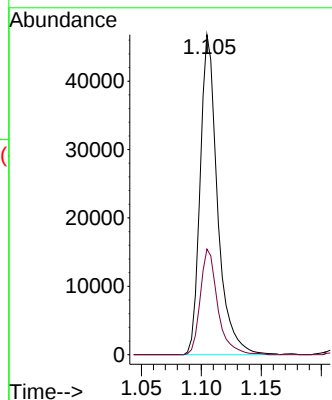
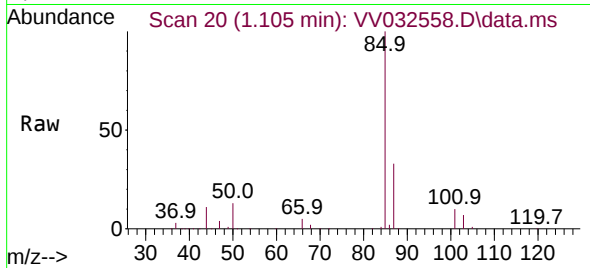




#2
 Dichlorodifluoromethane
 Concen: 5.095 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

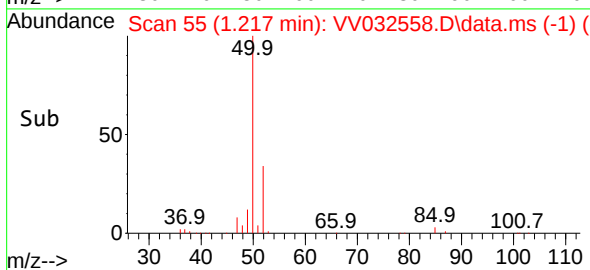
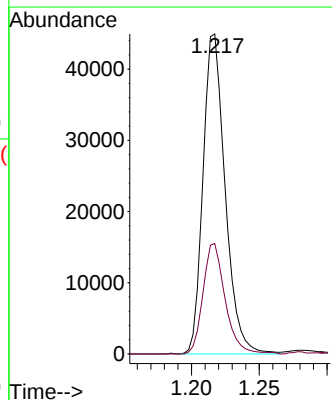
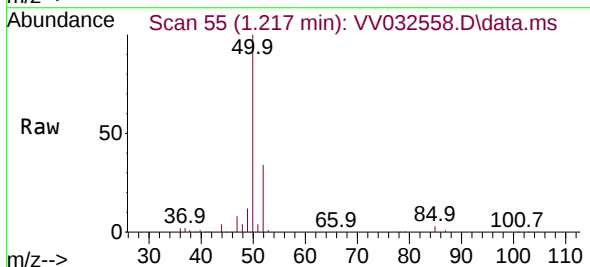
Instrument :
 MSVOA_V
 ClientSampleId :

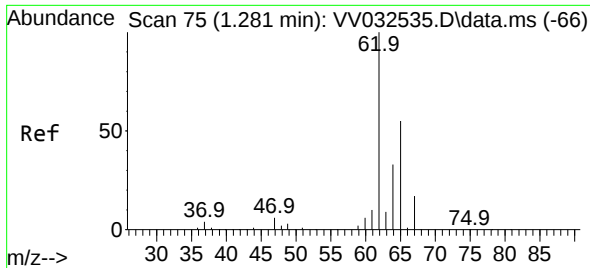
Tgt Ion: 85 Resp: 47285
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.5 38.3



#3
 Chloromethane
 Concen: 5.459 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

Tgt Ion: 50 Resp: 51072
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.0 42.6

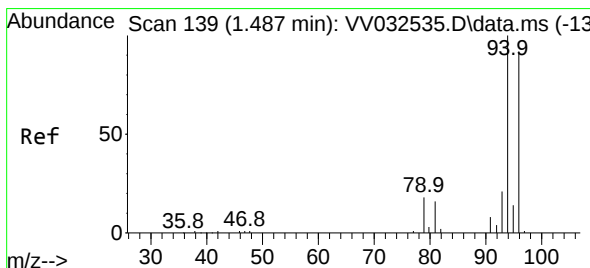
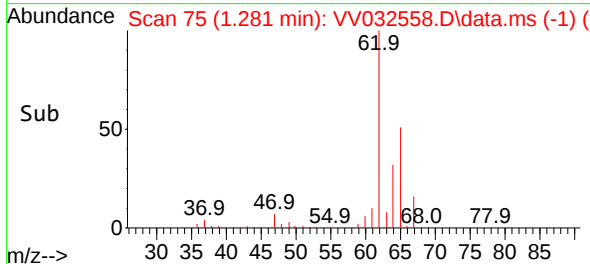
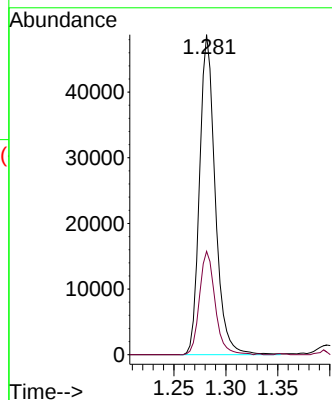
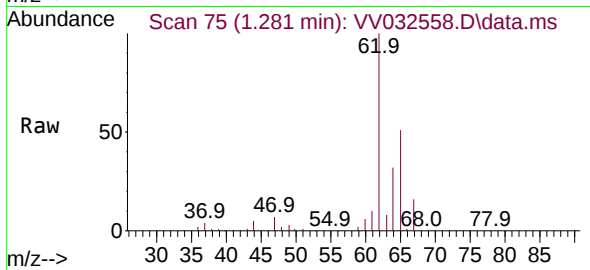




#5
 Vinyl chloride
 Concen: 5.704 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

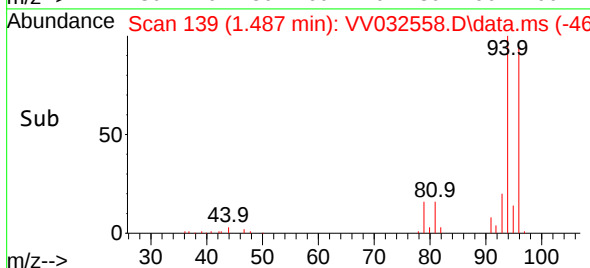
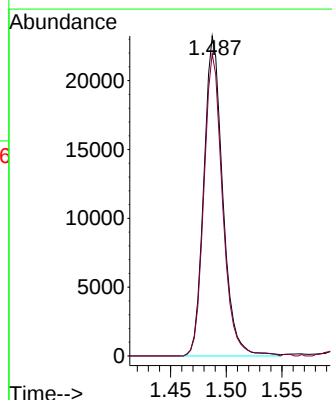
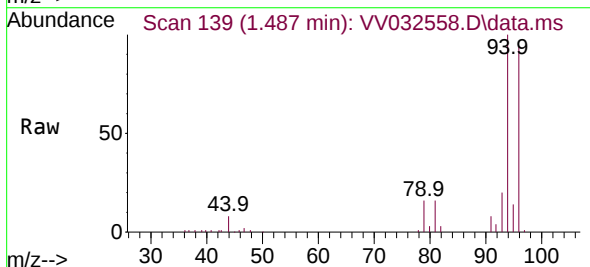
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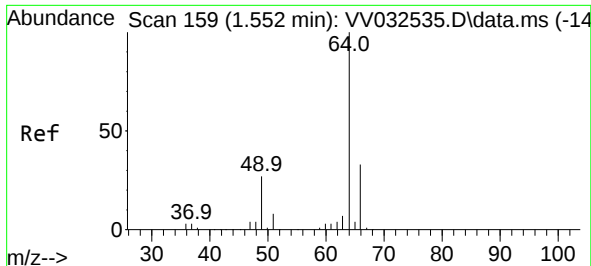
Tgt Ion: 62 Resp: 50895
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#6
 Bromomethane
 Concen: 5.092 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

Tgt Ion: 94 Resp: 27449
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.8 124.2

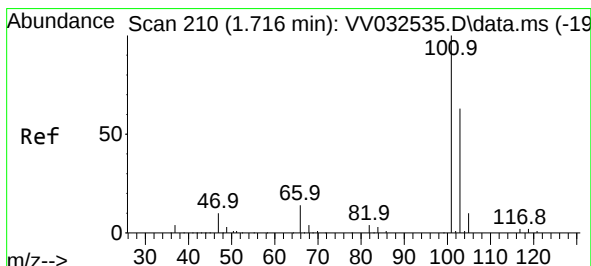
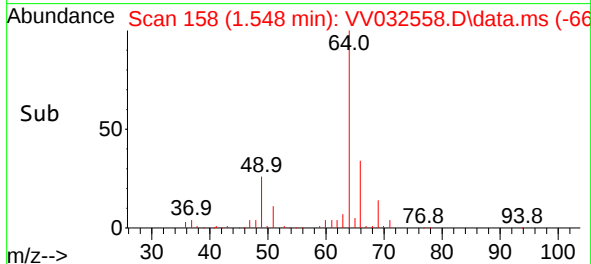
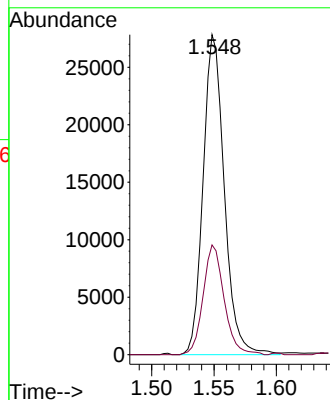
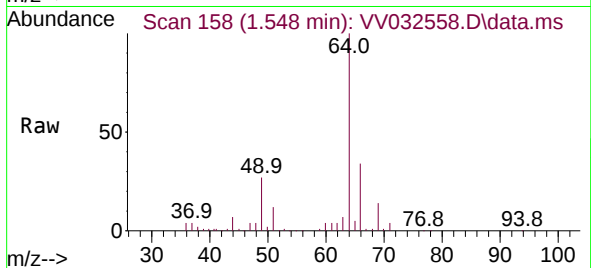




#8
Chloroethane
Concen: 6.128 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

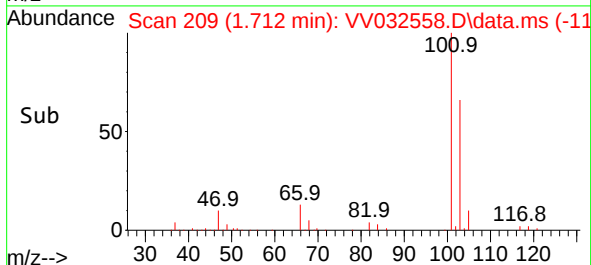
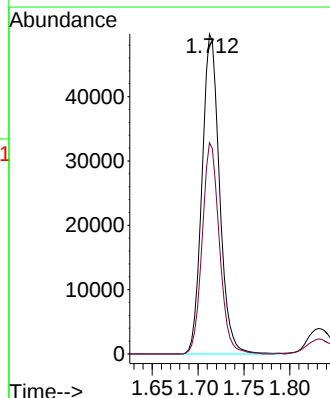
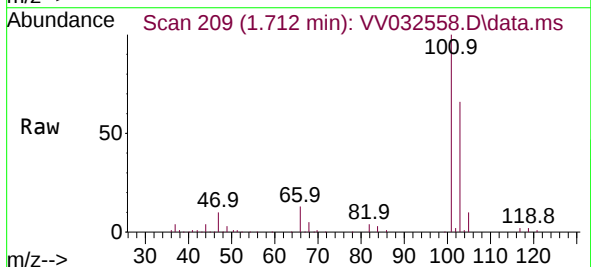
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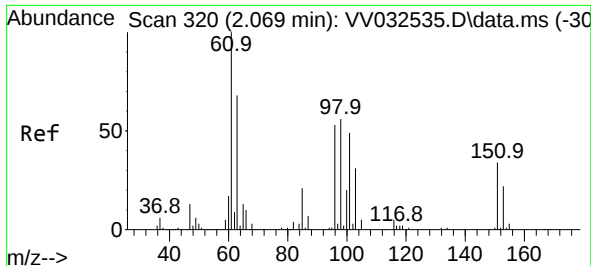
Tgt Ion: 64 Resp: 32921
Ion Ratio Lower Upper
64 100
66 34.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.174 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion:101 Resp: 66068
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2





#10

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

Concen: 5.510 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032558.D

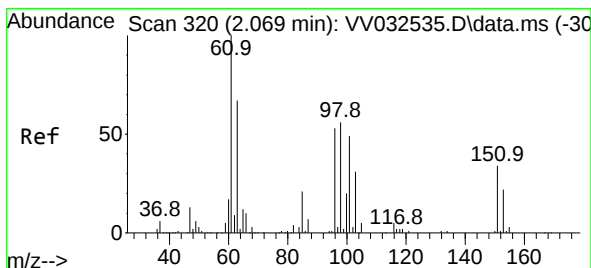
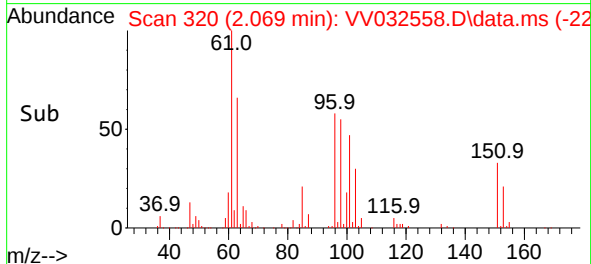
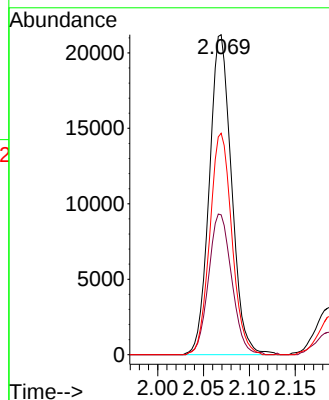
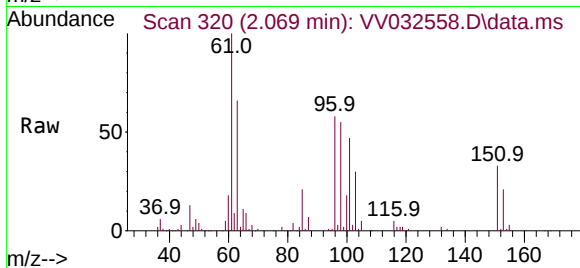
Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	35726
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.0	52.6
151	68.8	56.6	84.8



#12

1,1-Dichloroethene

Concen: 5.999 ug/L

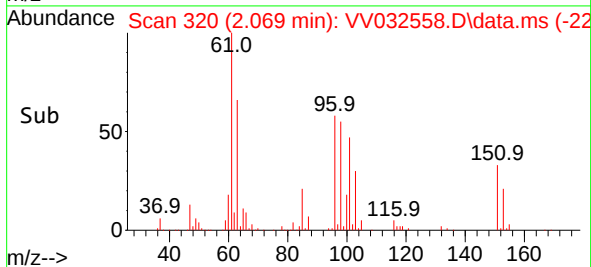
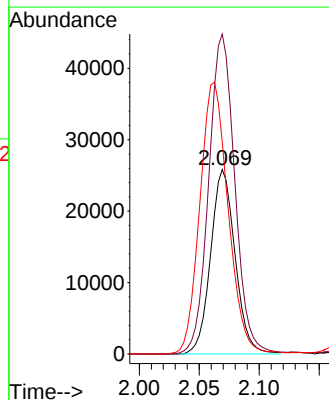
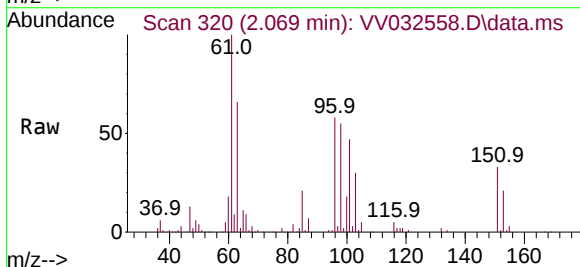
RT: 2.069 min Scan# 320

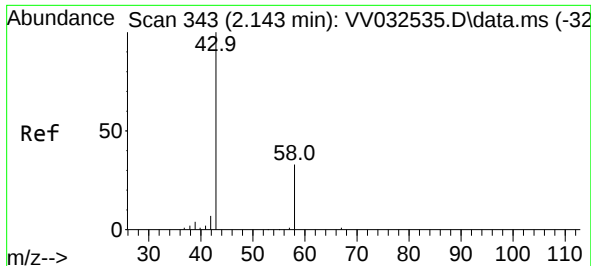
Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Tgt Ion:	96	Resp:	36641
Ion Ratio	Lower	Upper	
96	100		
61	173.5	127.3	236.3
63	114.7	98.3	182.7





#13

Acetone

Concen: 49.783 ug/L

RT: 2.146 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

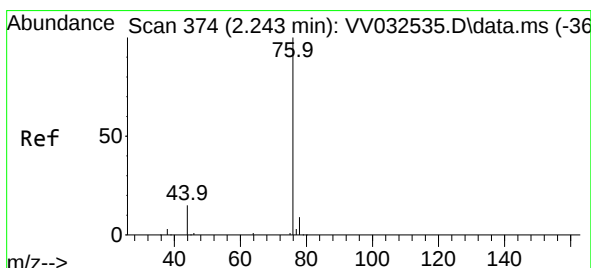
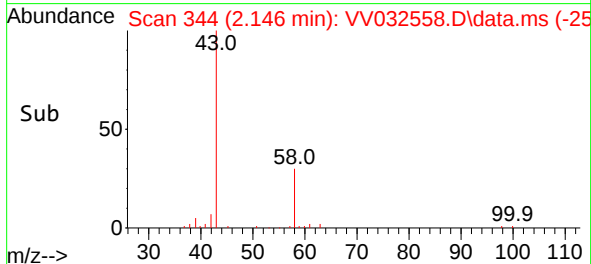
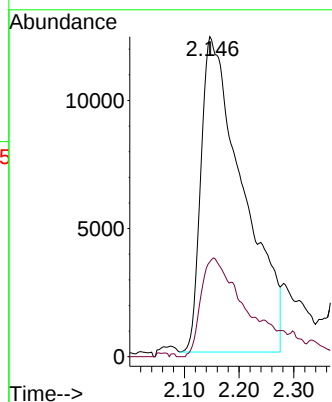
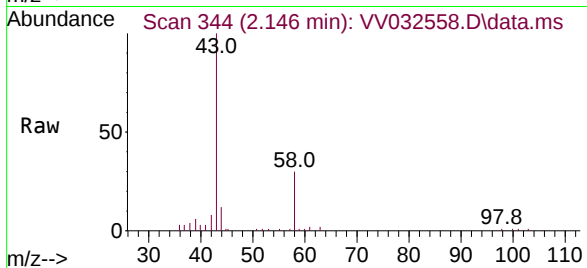
ClientSampleId :

Tgt Ion: 43 Resp: 65741

Ion Ratio Lower Upper

43 100

58 28.8 0.0 66.0



#14

Carbon disulfide

Concen: 4.586 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032558.D

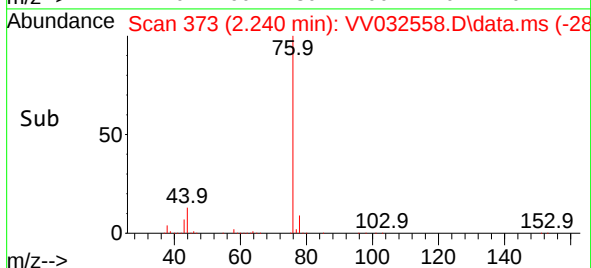
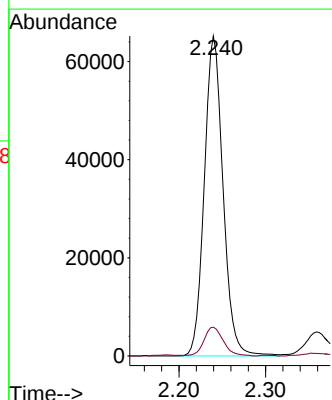
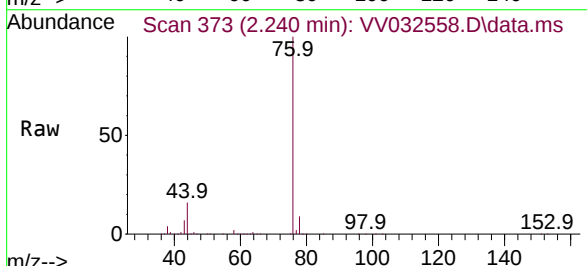
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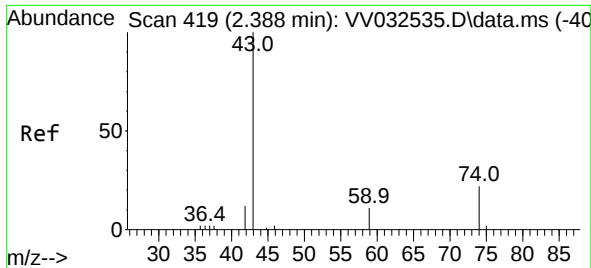
Tgt Ion: 76 Resp: 97911

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

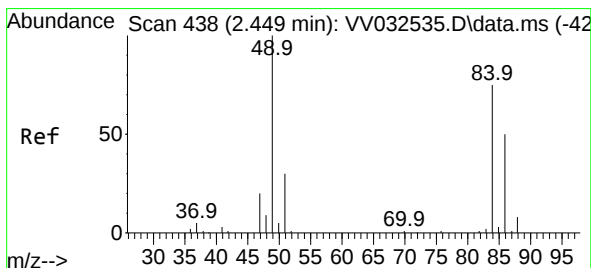
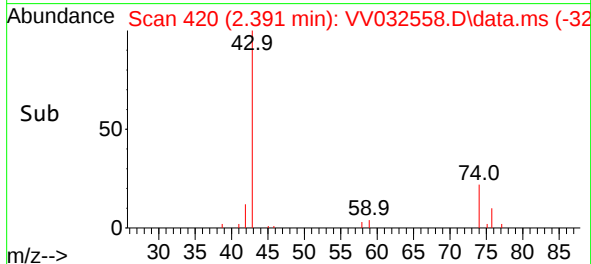
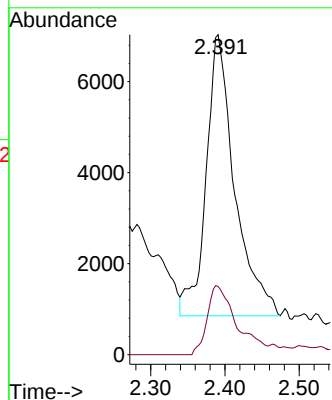
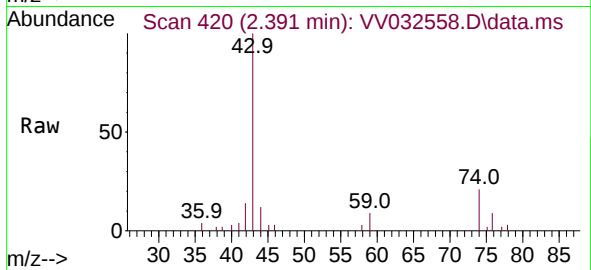




#15
Methyl Acetate
Concen: 5.547 ug/L
RT: 2.391 min Scan# 419
Delta R.T. 0.003 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

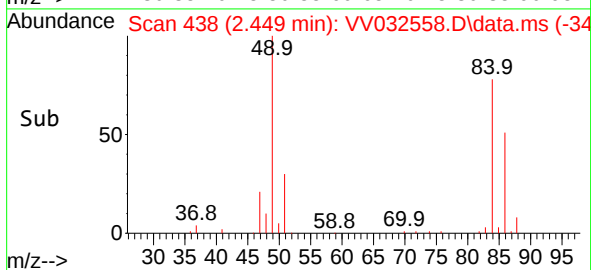
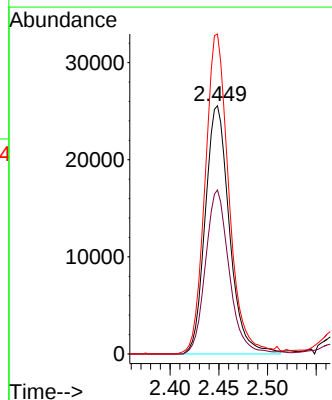
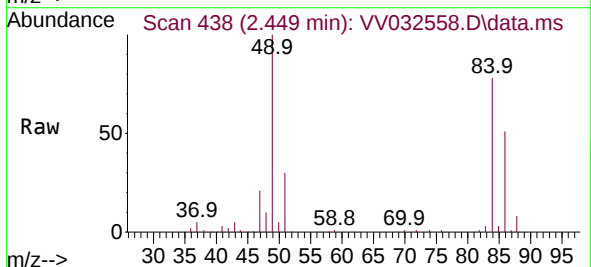
Instrument :
MSVOA_V
ClientSampleId :

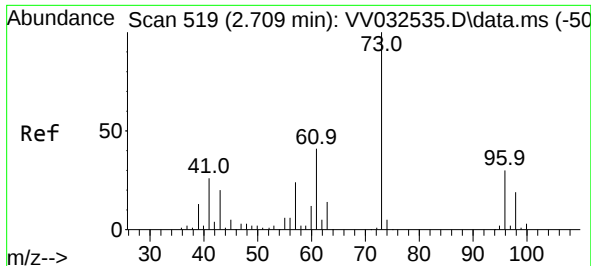
Tgt Ion: 43 Resp: 16491
Ion Ratio Lower Upper
43 100
74 25.5 18.0 27.0



#16
Methylene chloride
Concen: 5.541 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion: 84 Resp: 44121
Ion Ratio Lower Upper
84 100
86 66.1 43.2 80.2
49 128.9 86.3 160.3





#17

Methyl tert-butyl Ether

Concen: 5.280 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

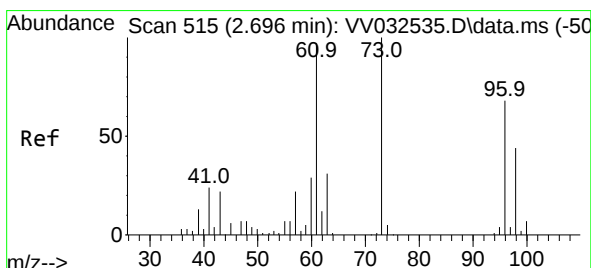
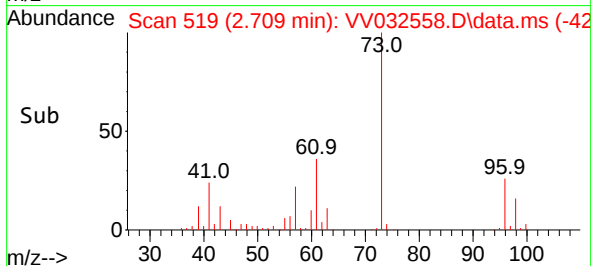
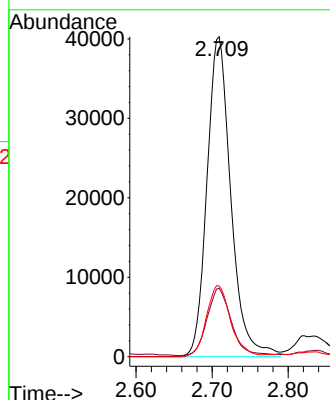
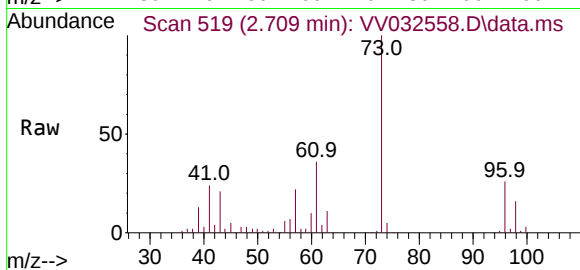
Tgt Ion: 73 Resp: 87798

Ion Ratio Lower Upper

73 100

43 21.4 15.1 22.7

57 22.6 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 5.026 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

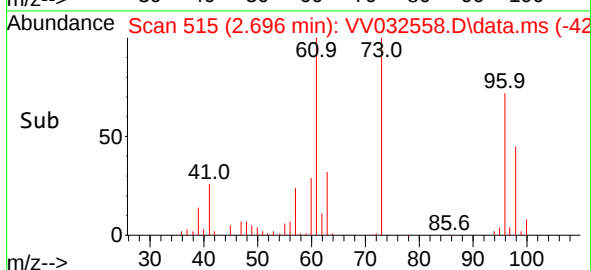
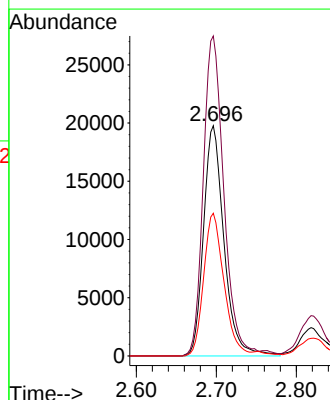
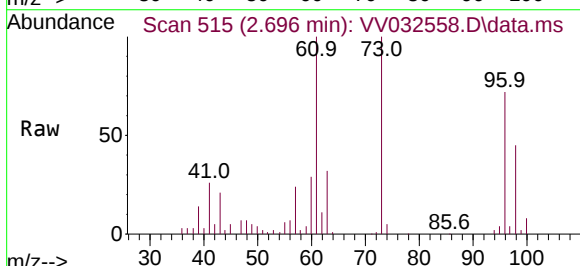
Tgt Ion: 96 Resp: 35164

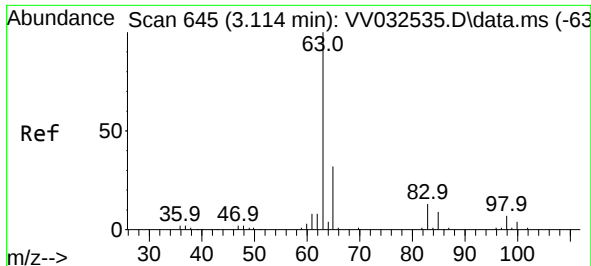
Ion Ratio Lower Upper

96 100

61 139.0 96.9 180.1

98 62.0 45.3 84.1

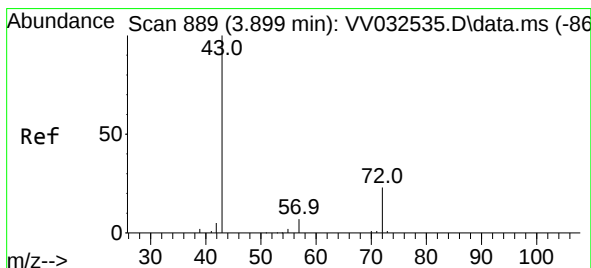
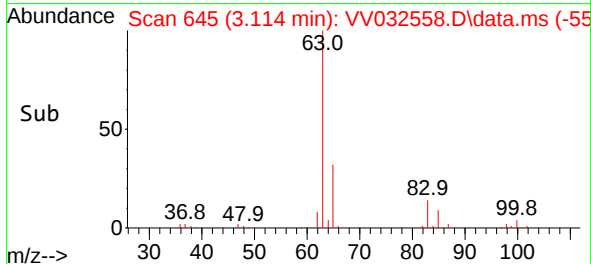
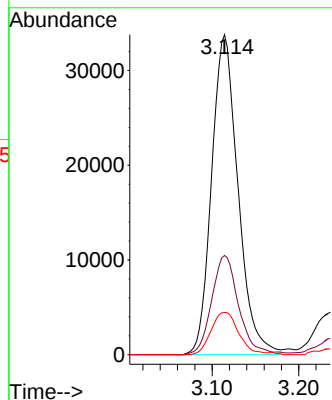
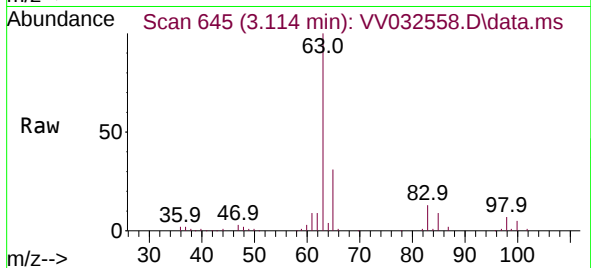




#19
1,1-Dichloroethane
Concen: 5.436 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

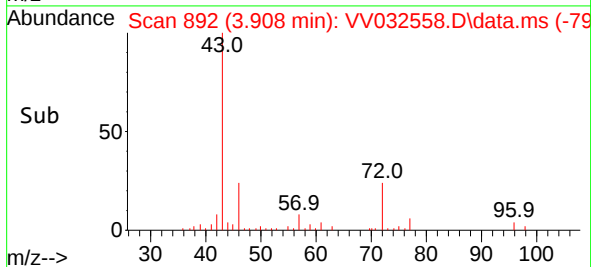
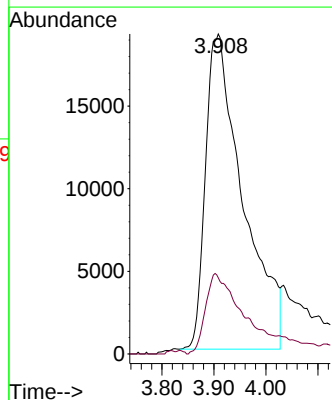
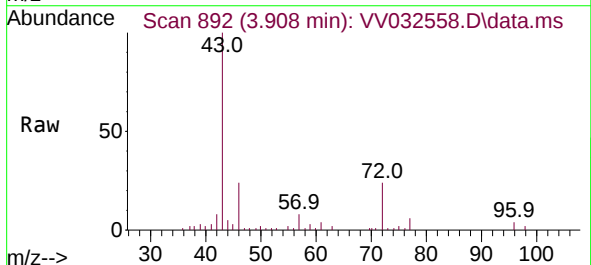
Instrument :
MSVOA_V
ClientSampleId :

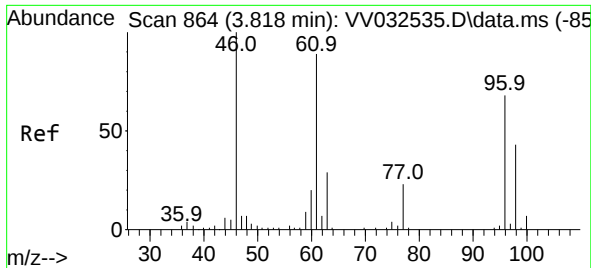
Tgt Ion: 63 Resp: 71544
Ion Ratio Lower Upper
63 100
65 31.0 22.3 41.5
83 13.2 9.0 16.6



#21
2-Butanone
Concen: 46.216 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.010 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

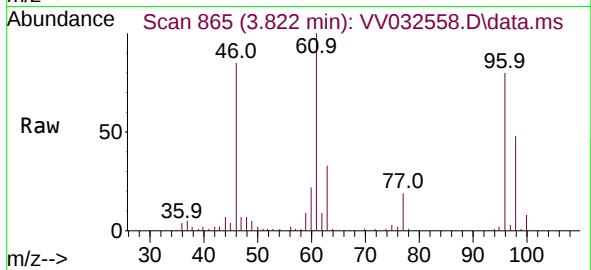
Tgt Ion: 43 Resp: 95440
Ion Ratio Lower Upper
43 100
72 25.5 11.6 34.8





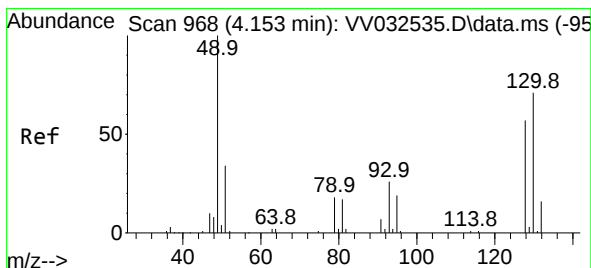
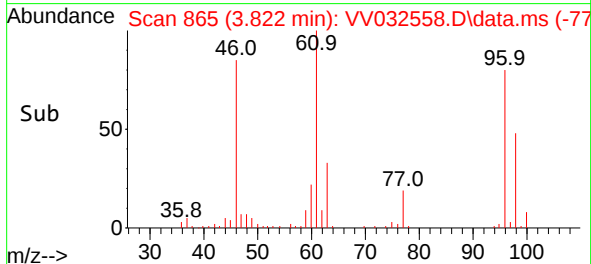
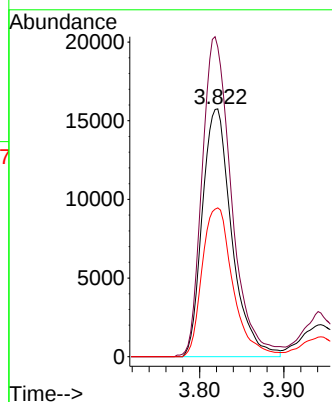
#22
 cis-1,2-Dichloroethene
 Concen: 5.086 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 38314

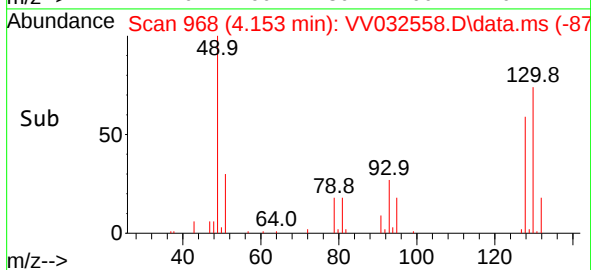
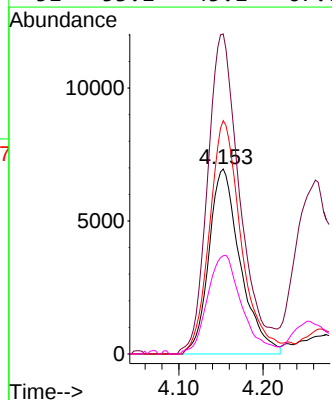
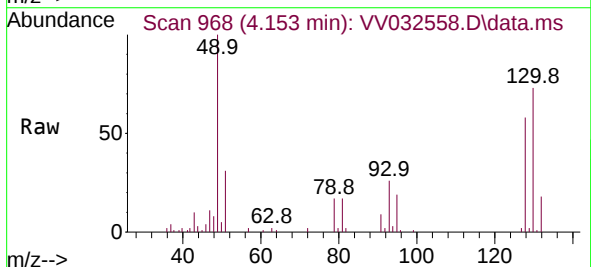
Ion	Ratio	Lower	Upper
96	100		
61	124.8	85.8	159.4
98	60.1	44.0	81.6

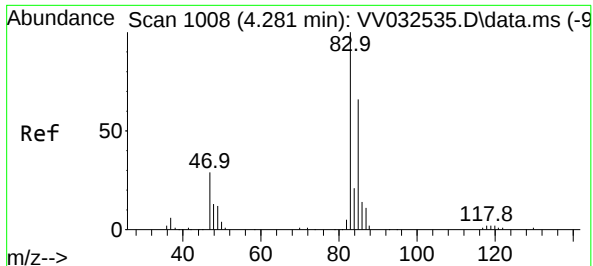


#23
 Bromochloromethane
 Concen: 5.690 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

Tgt Ion: 128 Resp: 18033

Ion	Ratio	Lower	Upper
128	100		
49	173.0	121.2	225.0
130	126.1	88.2	163.8
51	53.1	45.1	67.7





#25

Chloroform

Concen: 5.812 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

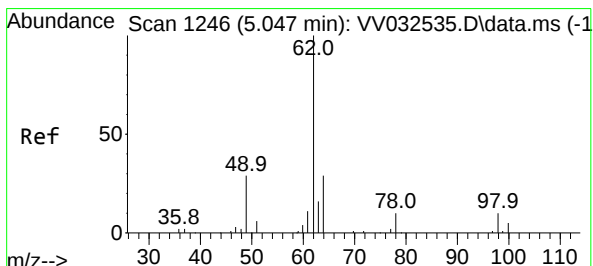
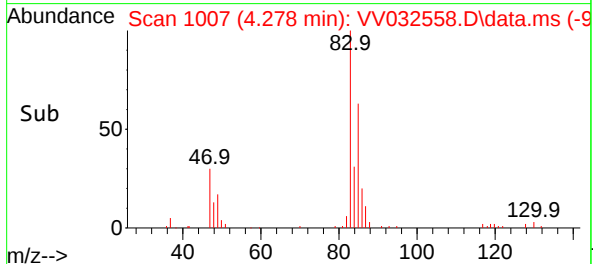
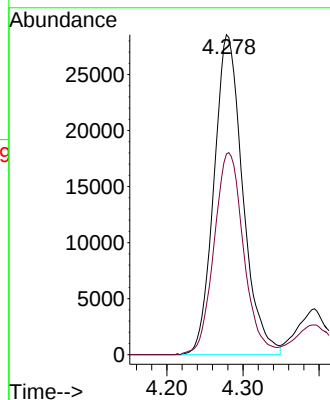
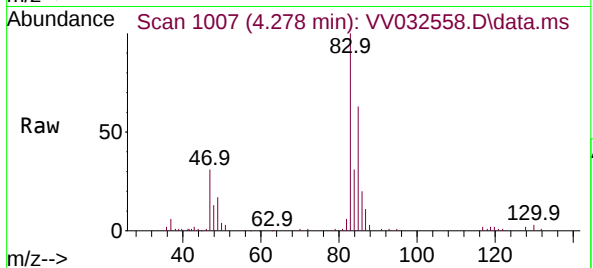
ClientSampleId :

Tgt Ion: 83 Resp: 75041

Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.927 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032558.D

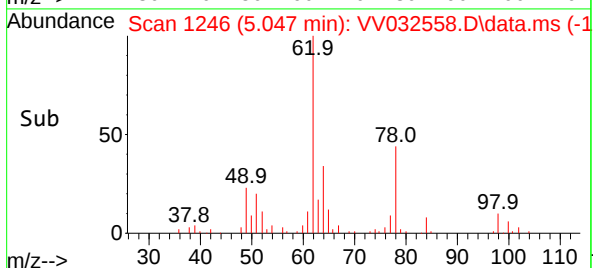
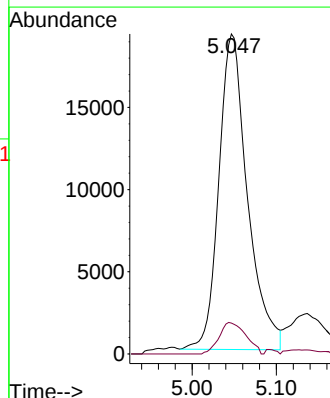
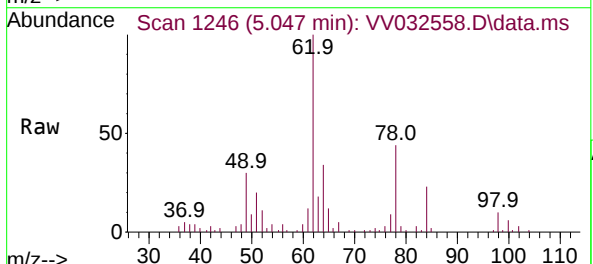
Acq: 21 Oct 2023 05:36

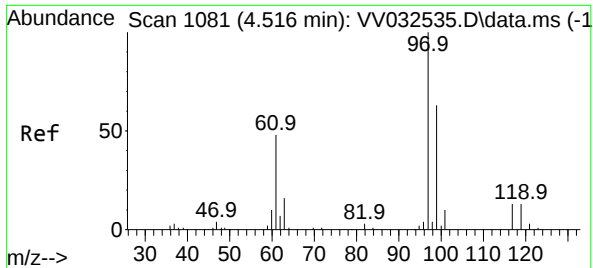
Tgt Ion: 62 Resp: 45213

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.804 ug/L

RT: 4.513 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

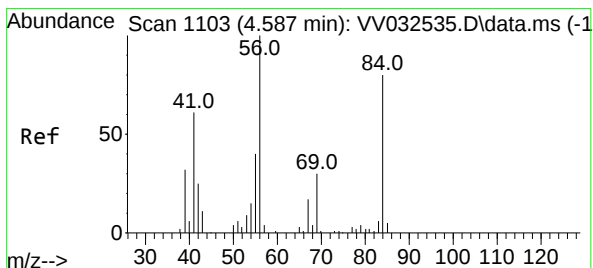
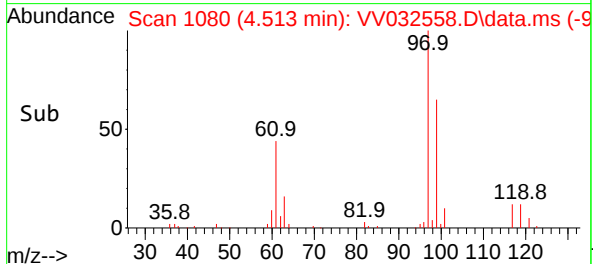
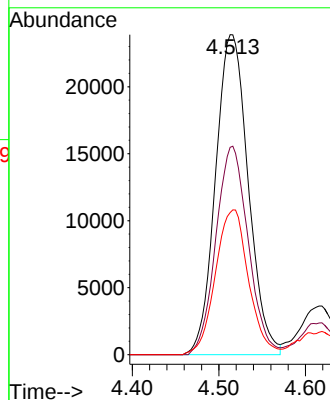
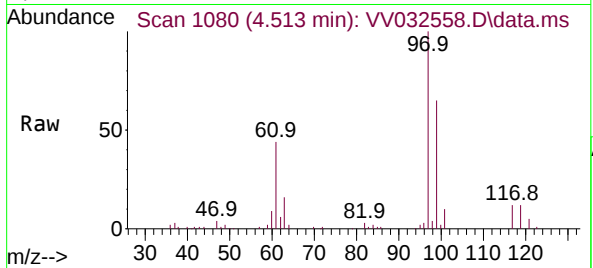
Tgt Ion: 97 Resp: 62672

Ion Ratio Lower Upper

97 100

99 64.4 50.1 75.1

61 45.8 35.1 52.7



#30

Cyclohexane

Concen: 3.485 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

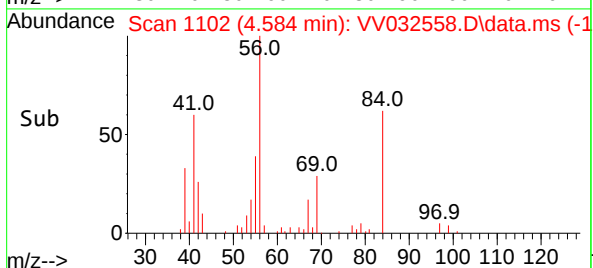
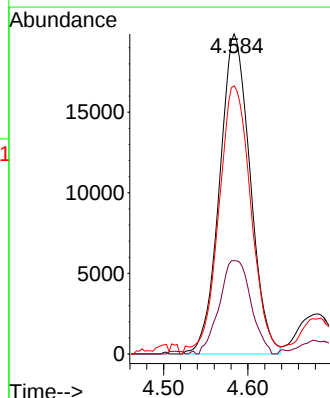
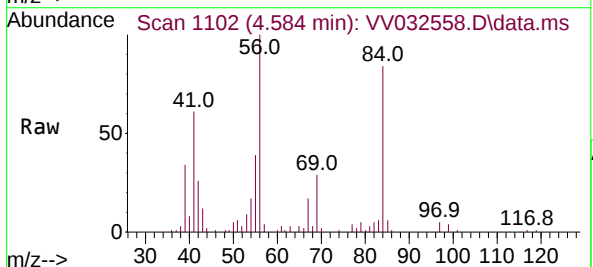
Tgt Ion: 56 Resp: 49963

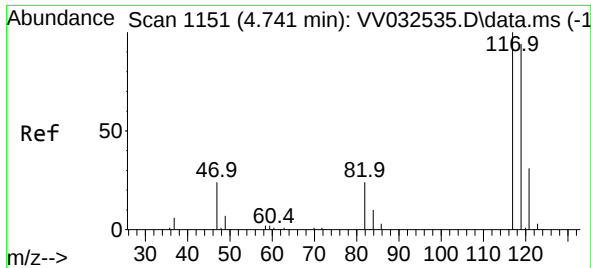
Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.2

84 87.8 68.1 102.1

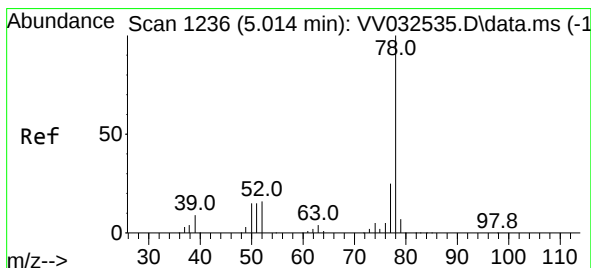
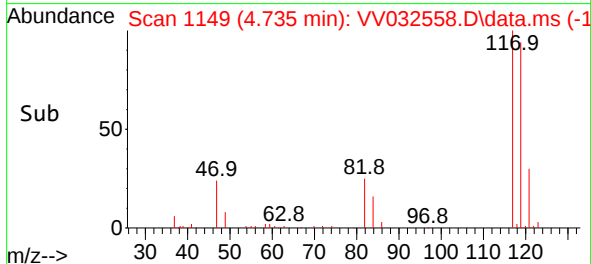
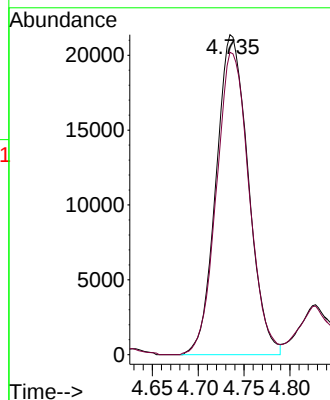
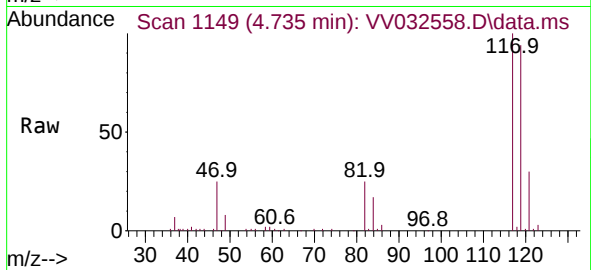




#31
Carbon tetrachloride
Concen: 4.731 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

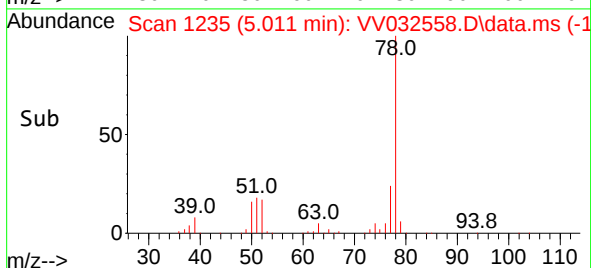
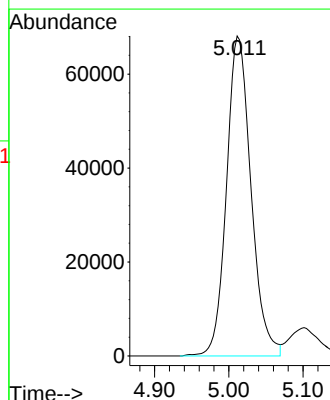
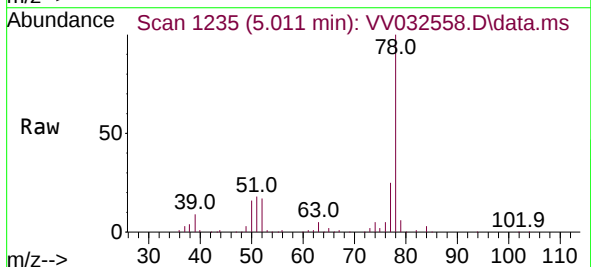
Instrument :
MSVOA_V
ClientSampleId :

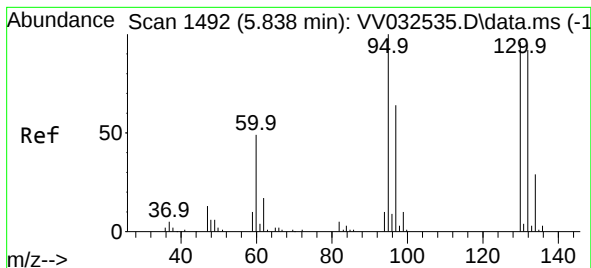
Tgt Ion:117 Resp: 52215
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4



#33
Benzene
Concen: 4.628 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion: 78 Resp: 156336





#34

Trichloroethene

Concen: 4.268 ug/L

RT: 5.834 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 39357

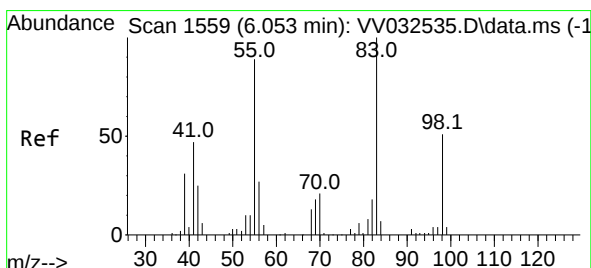
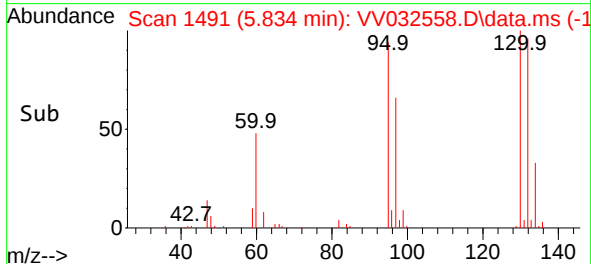
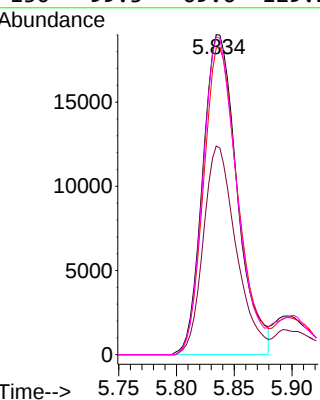
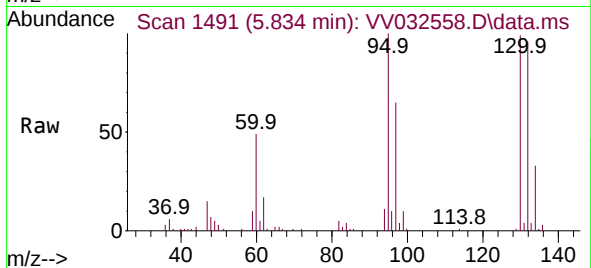
Ion Ratio Lower Upper

95 100

97 65.2 45.7 84.9

132 95.8 70.3 130.5

130 99.3 69.6 129.2



#35

Methylcyclohexane

Concen: 3.823 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

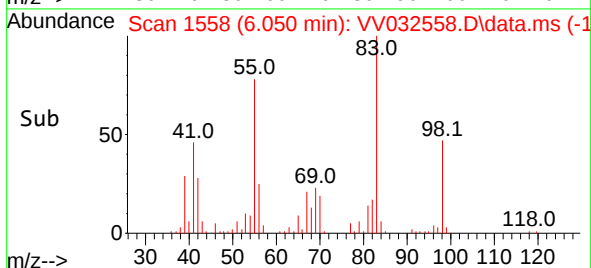
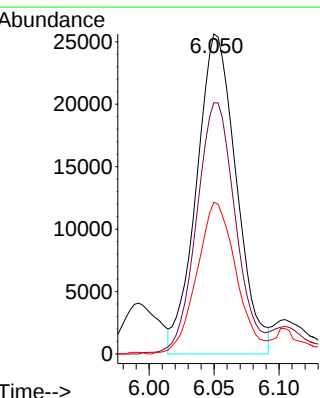
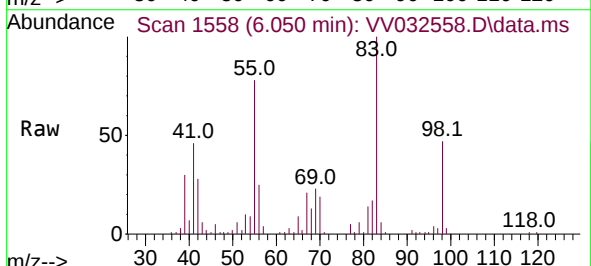
Tgt Ion: 83 Resp: 54564

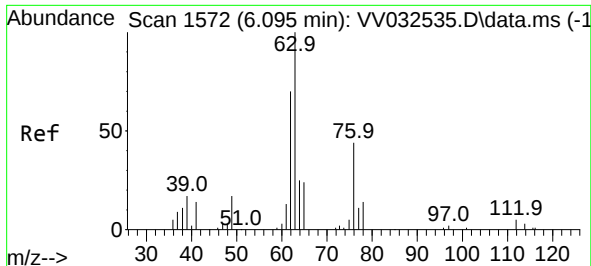
Ion Ratio Lower Upper

83 100

55 76.7 64.2 96.2

98 46.8 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.446 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

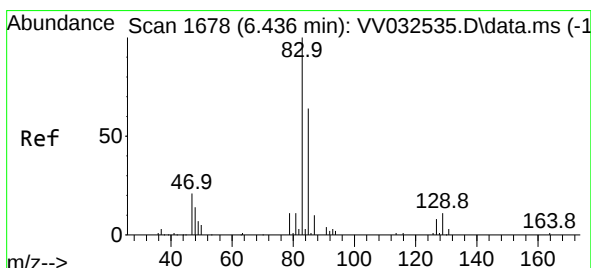
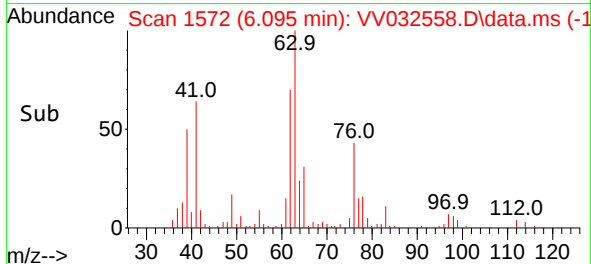
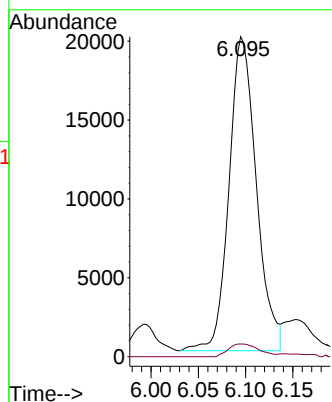
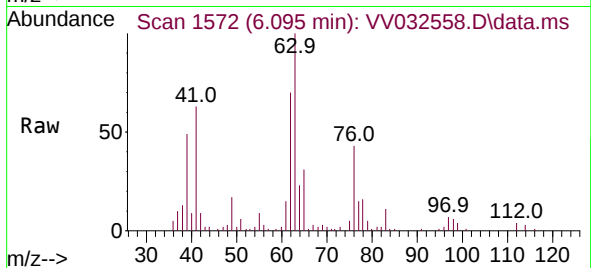
ClientSampleId :

Tgt Ion: 63 Resp: 40164

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 5.437 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

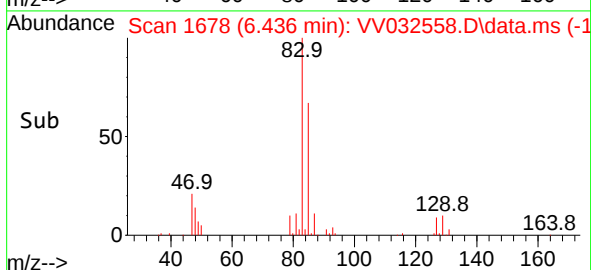
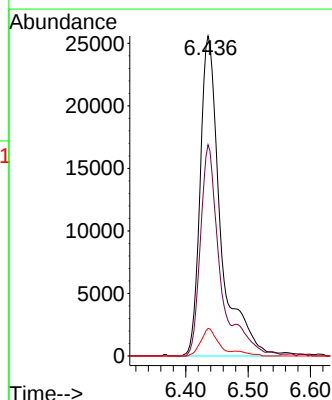
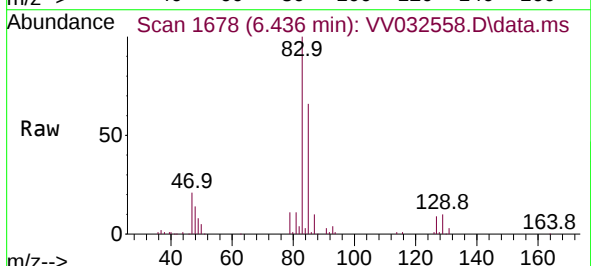
Tgt Ion: 83 Resp: 58368

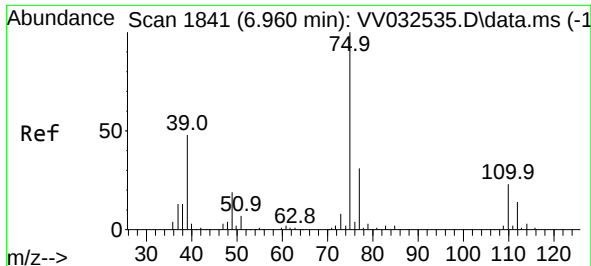
Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.3

127 8.6 6.9 10.3

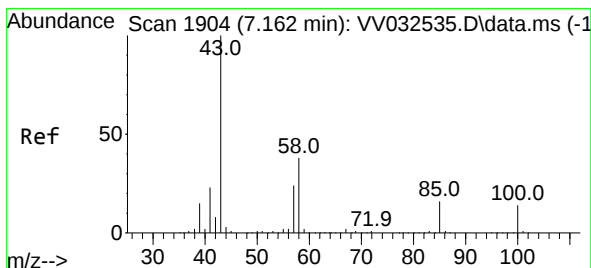
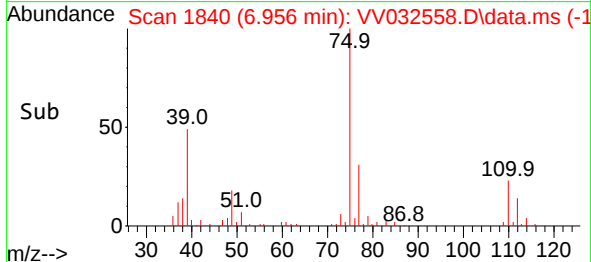
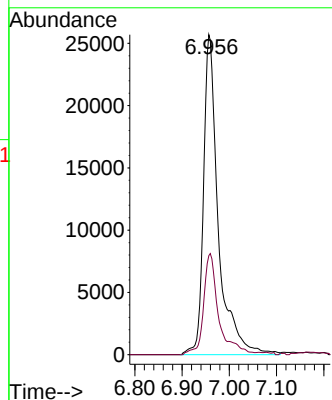
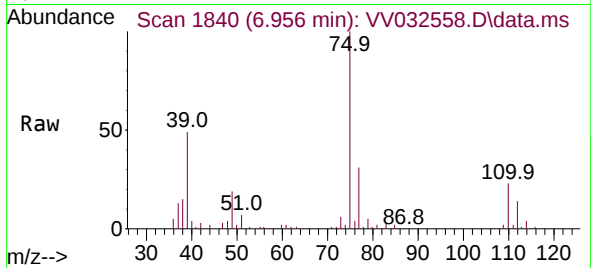




#39
 cis-1,3-Dichloropropene
 Concen: 4.360 ug/L
 RT: 6.956 min Scan# 1840
 Delta R.T. -0.003 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

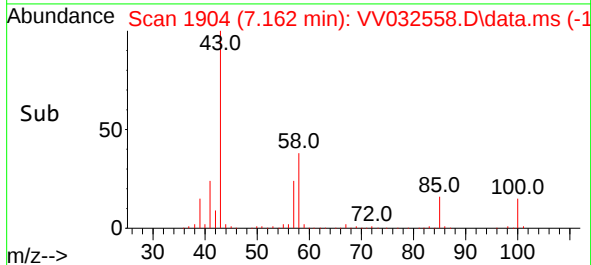
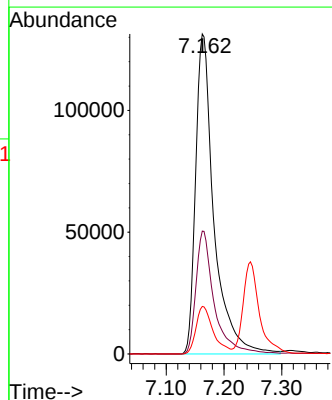
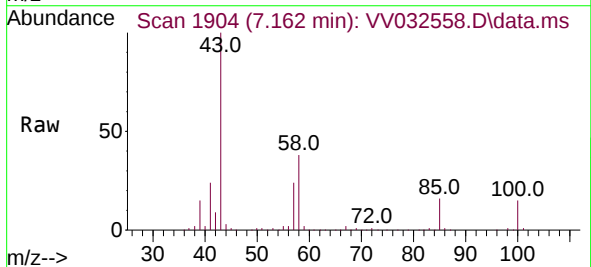
Instrument :
 MSVOA_V
 ClientSampleId :

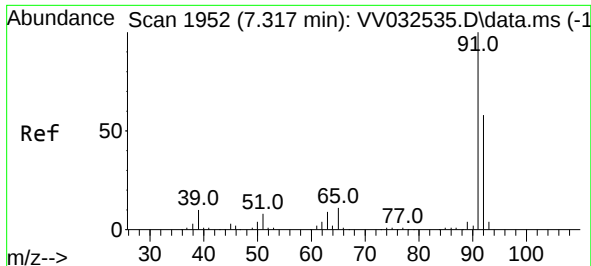
Tgt Ion: 75 Resp: 56053
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 50.557 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VV032558.D
 Acq: 21 Oct 2023 05:36

Tgt Ion: 43 Resp: 289037
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.9 47.9
 100 14.1 11.3 16.9





#42

Toluene

Concen: 5.038 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

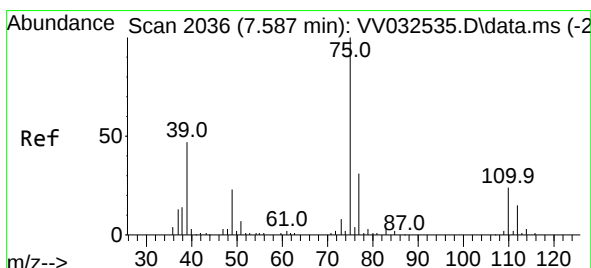
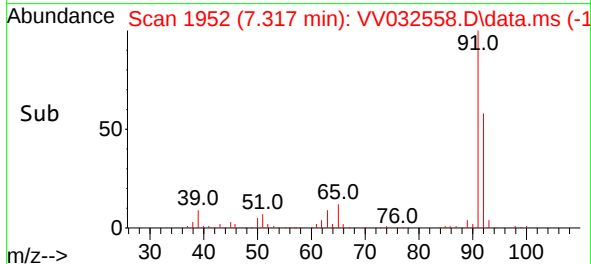
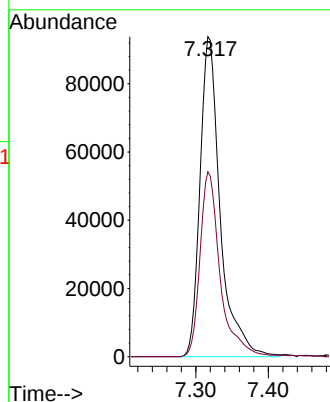
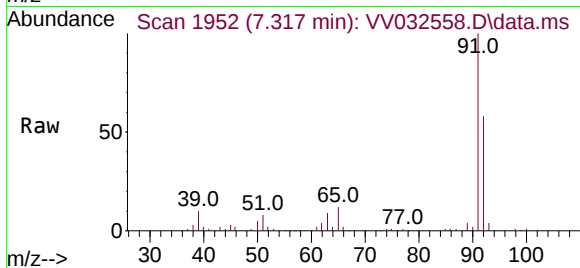
ClientSampleId :

Tgt Ion: 91 Resp: 181429

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.599 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV032558.D

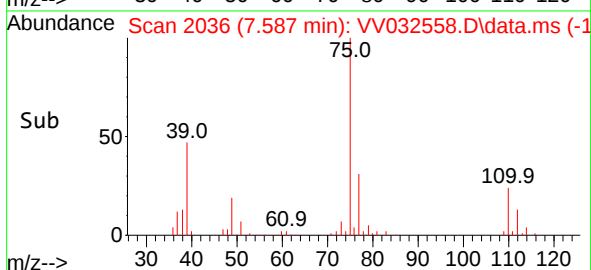
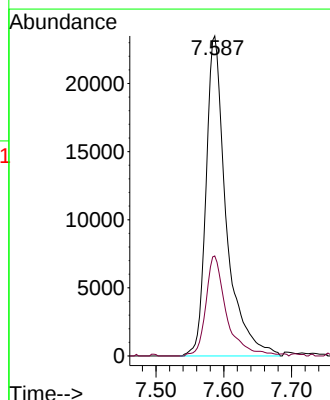
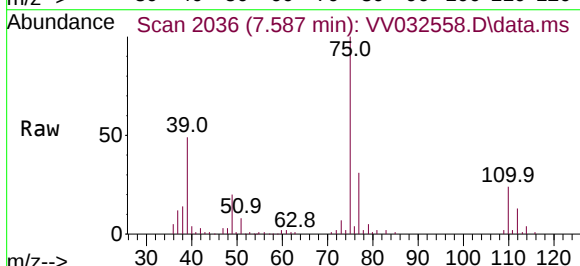
Acq: 21 Oct 2023 05:36

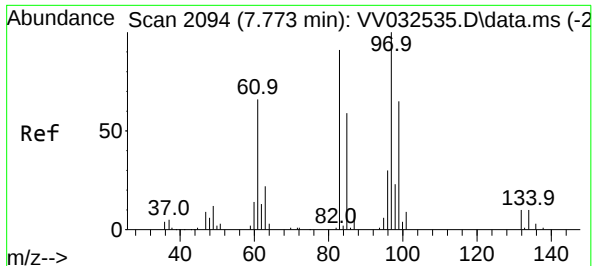
Tgt Ion: 75 Resp: 48597

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.240 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 33396

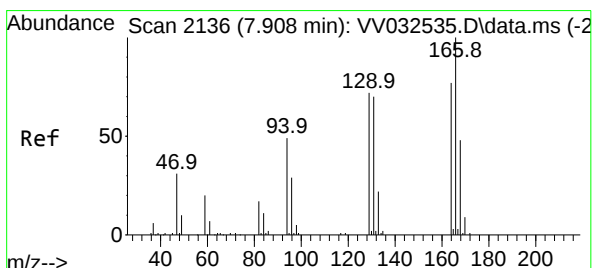
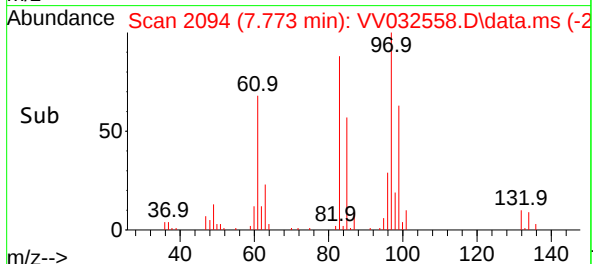
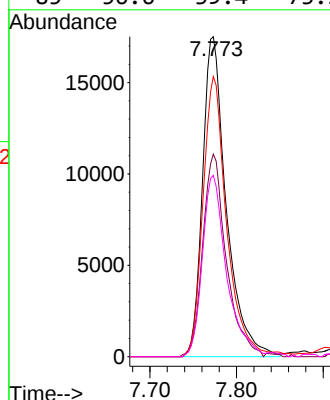
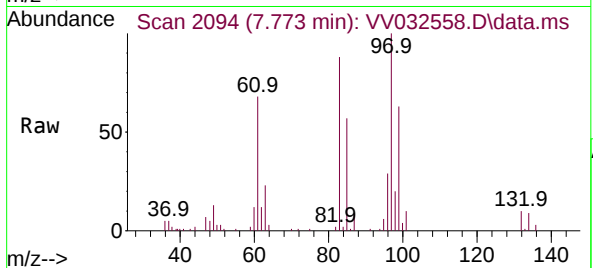
Ion Ratio Lower Upper

97 100

99 63.3 42.8 79.4

83 87.5 60.9 113.1

85 56.6 39.4 73.2



#47

Tetrachloroethene

Concen: 5.426 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Tgt Ion:164 Resp: 37949

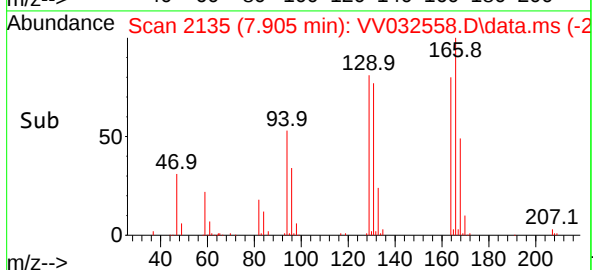
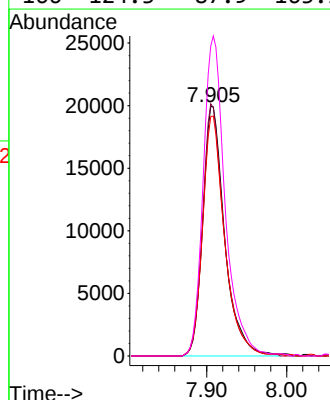
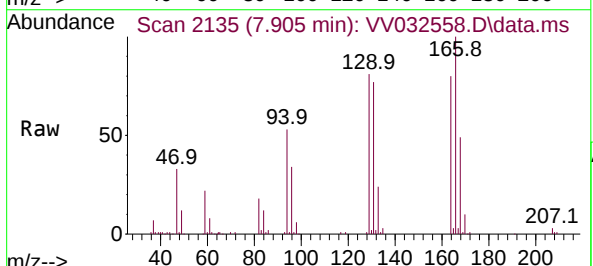
Ion Ratio Lower Upper

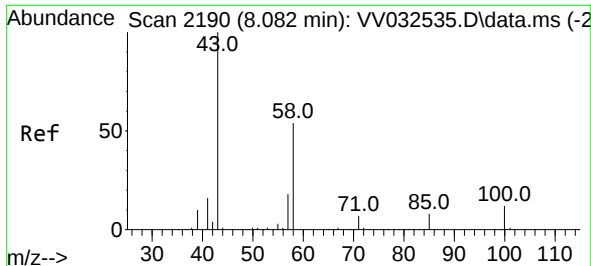
164 100

129 101.1 66.4 123.4

131 96.0 63.7 118.3

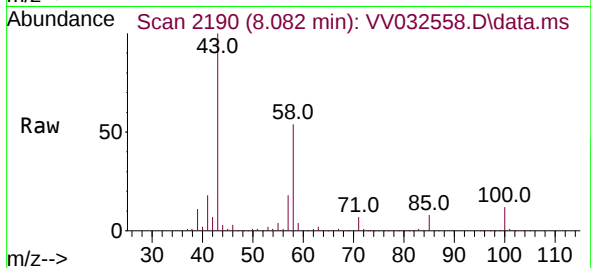
166 124.3 87.9 163.3



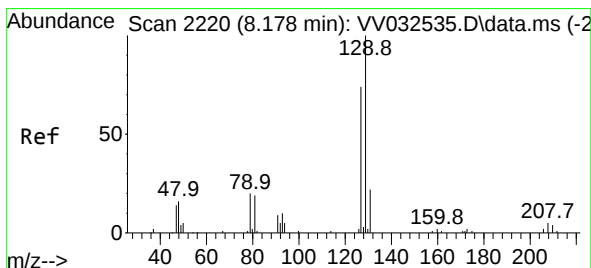
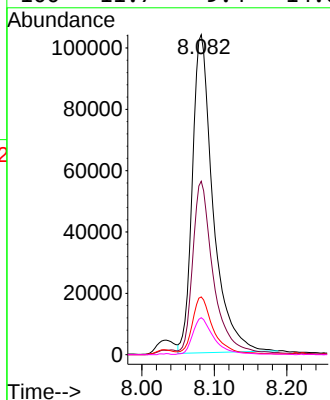
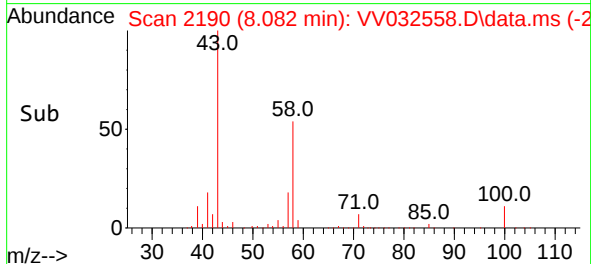


#48
2-Hexanone
Concen: 51.121 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Instrument :
MSVOA_V
ClientSampleId :

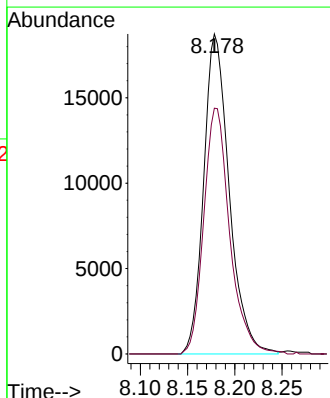
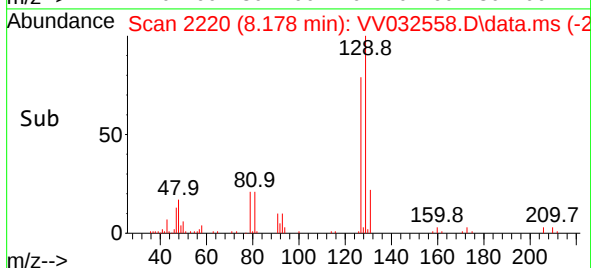
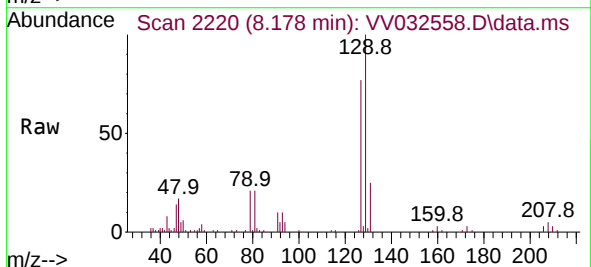


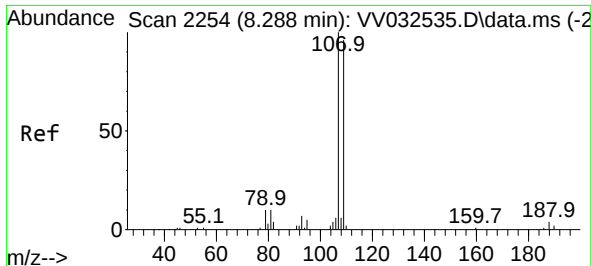
Tgt Ion: 43 Resp: 206204
Ion Ratio Lower Upper
43 100
58 54.0 43.6 65.4
57 18.1 14.6 22.0
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 5.306 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion: 129 Resp: 35206
Ion Ratio Lower Upper
129 100
127 76.8 57.2 106.2





#50

1,2-Dibromoethane

Concen: 5.146 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

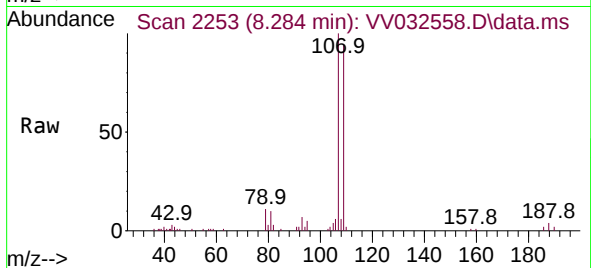
Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :



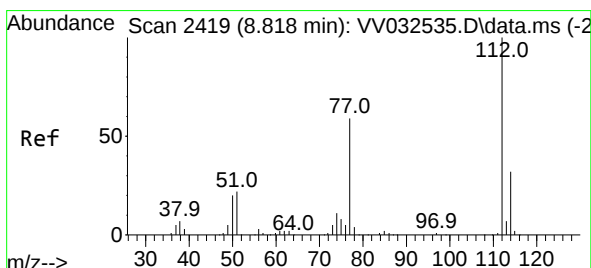
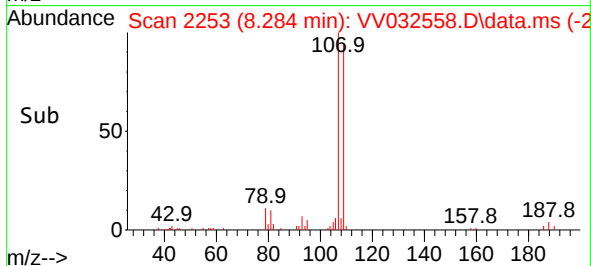
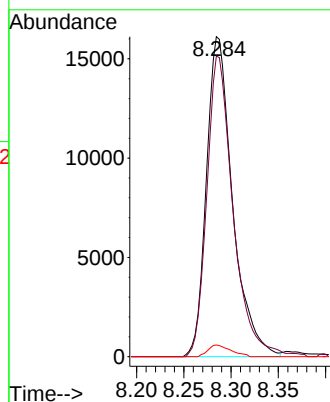
Tgt Ion:107 Resp: 31021

Ion Ratio Lower Upper

107 100

109 94.0 68.4 127.0

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 4.902 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

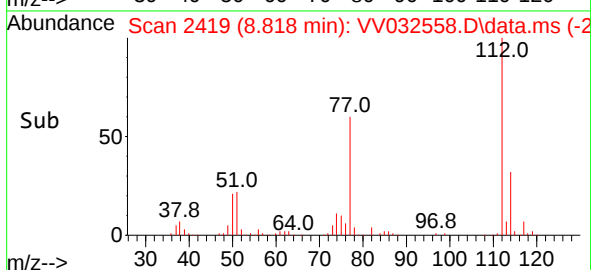
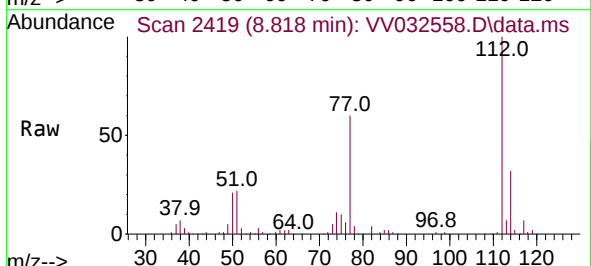
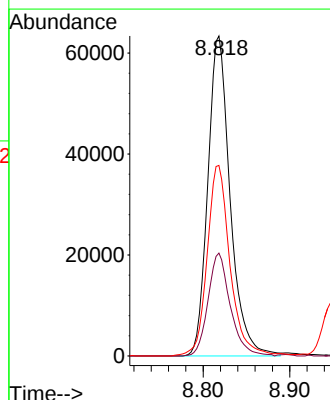
Tgt Ion:112 Resp: 113652

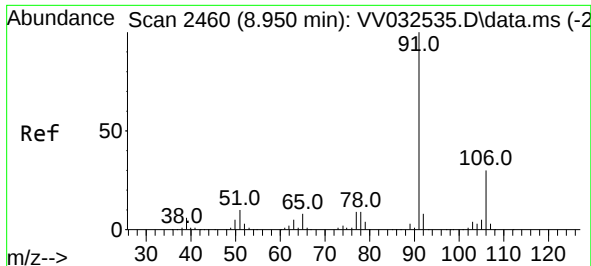
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 59.5 46.1 69.1





#52

Ethylbenzene

Concen: 4.734 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

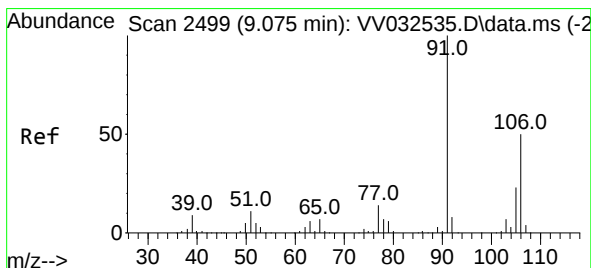
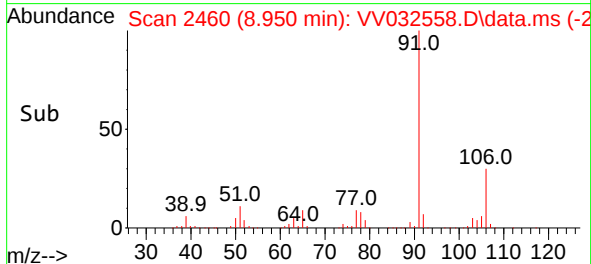
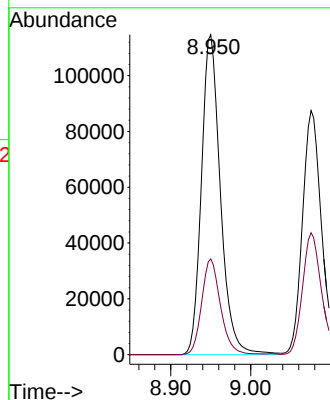
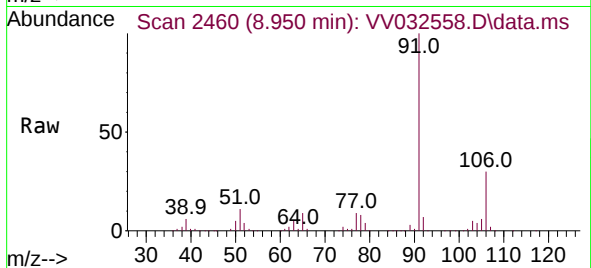
ClientSampleId :

Tgt Ion: 91 Resp: 189824

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 4.862 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032558.D

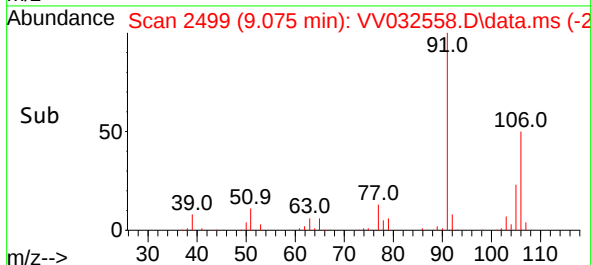
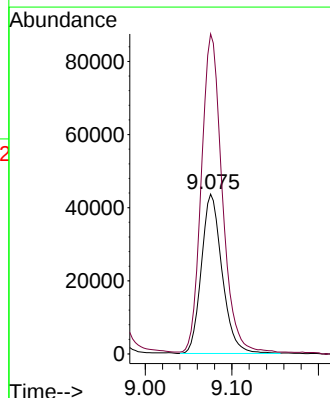
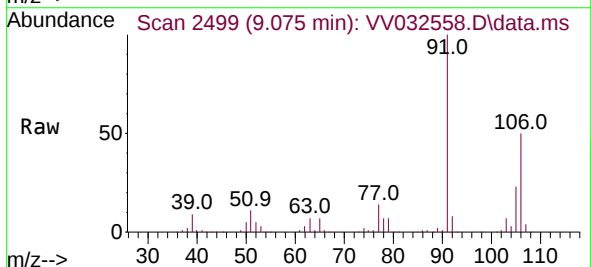
Acq: 21 Oct 2023 05:36

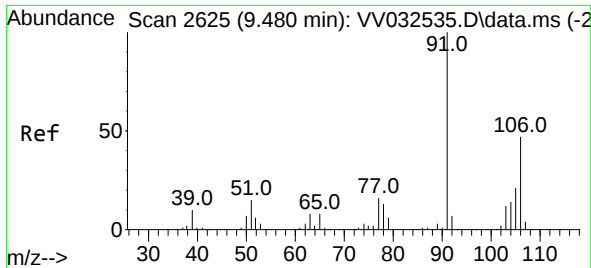
Tgt Ion: 106 Resp: 72308

Ion Ratio Lower Upper

106 100

91 200.1 144.5 268.3

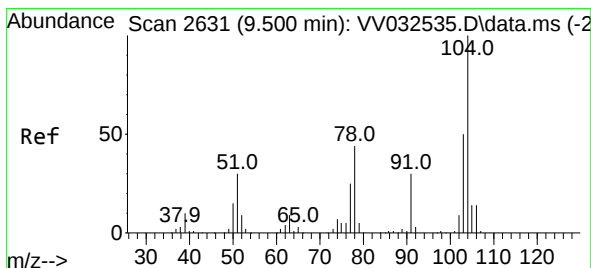
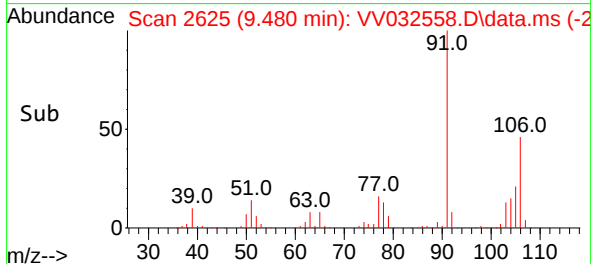
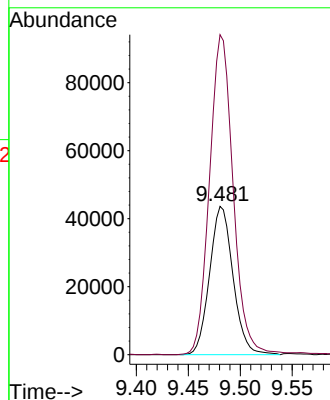
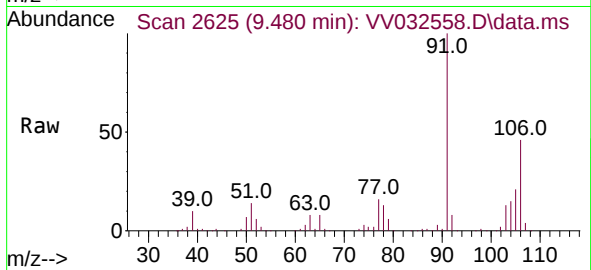




#54
o-Xylene
Concen: 4.777 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

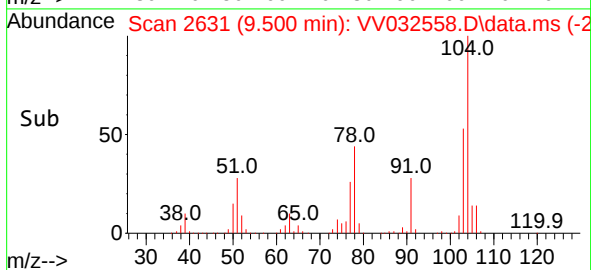
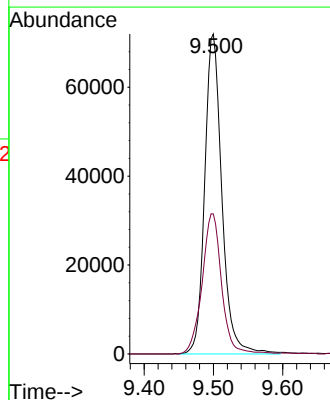
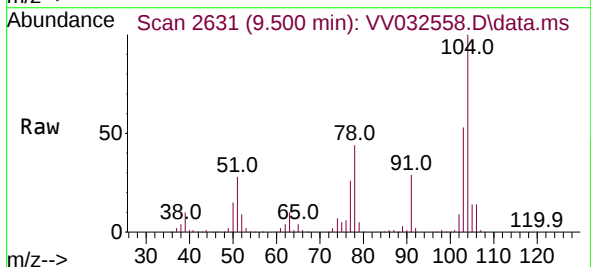
Instrument :
MSVOA_V
ClientSampleId :

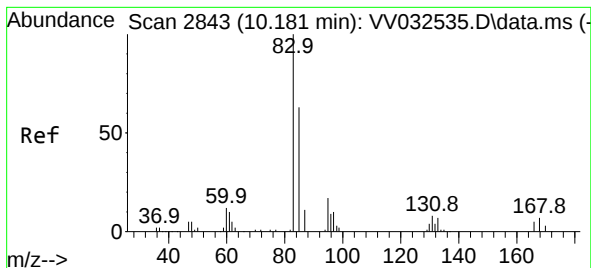
Tgt Ion:106 Resp: 68452
Ion Ratio Lower Upper
106 100
91 215.7 154.8 287.4



#55
Styrene
Concen: 5.120 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion:104 Resp: 123905
Ion Ratio Lower Upper
104 100
78 43.7 29.9 55.5

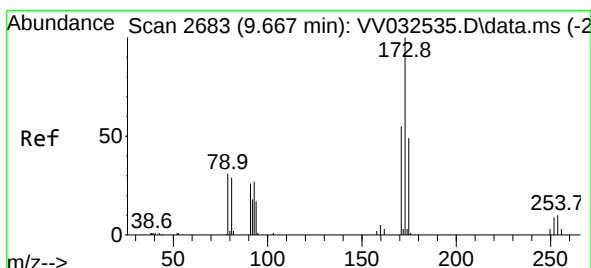
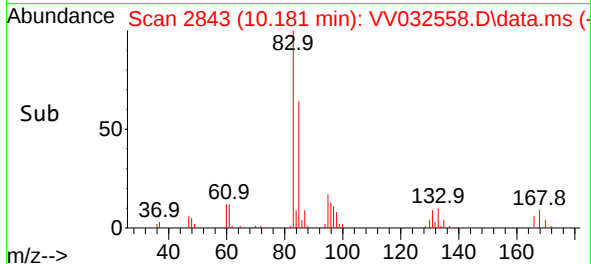
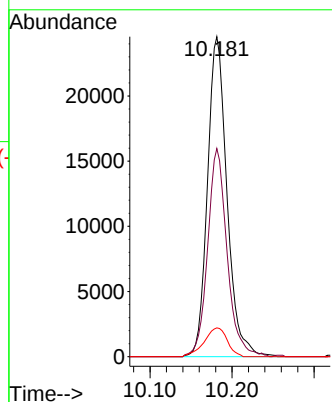
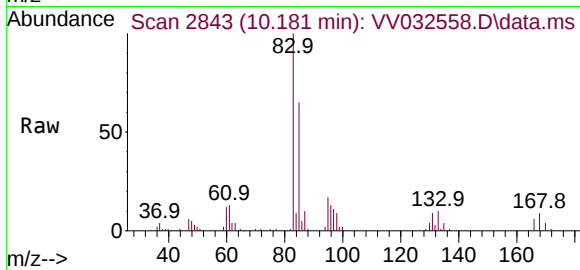




#57
1,1,2,2-Tetrachloroethane
Concen: 5.795 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

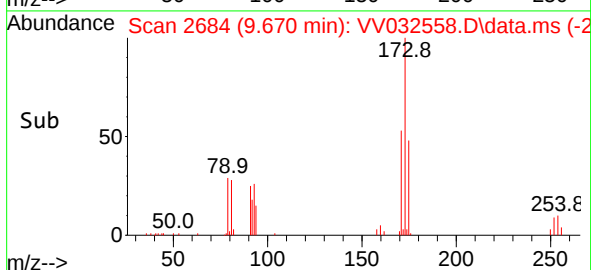
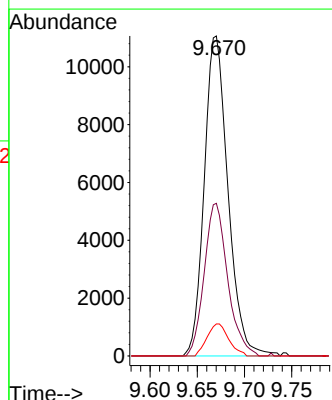
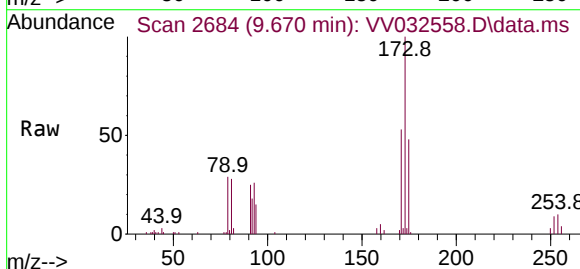
Instrument :
MSVOA_V
ClientSampleId :

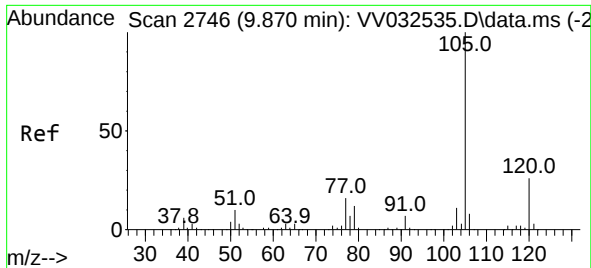
Tgt Ion: 83 Resp: 40632
Ion Ratio Lower Upper
83 100
85 65.1 43.6 81.0
131 9.0 7.0 10.6



#59
Bromoform
Concen: 5.126 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion: 173 Resp: 19320
Ion Ratio Lower Upper
173 100
175 47.1 38.2 57.2
254 9.1 7.0 10.4

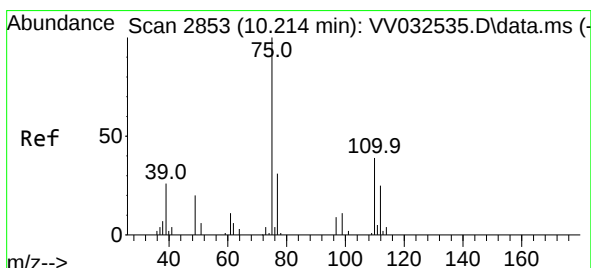
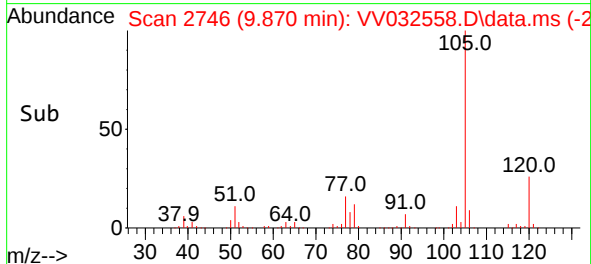
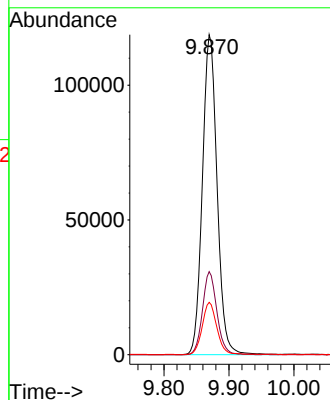
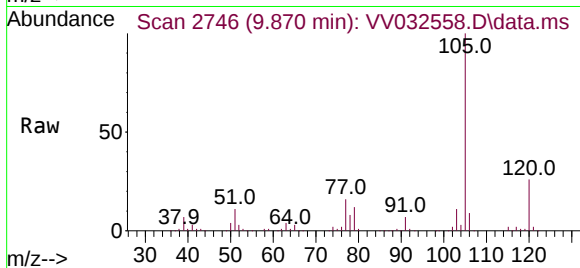




#60
Isopropylbenzene
Concen: 4.645 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

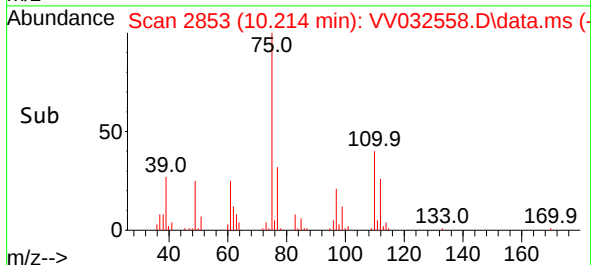
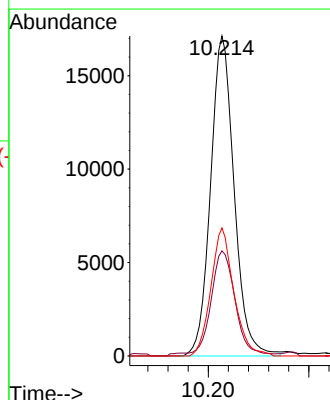
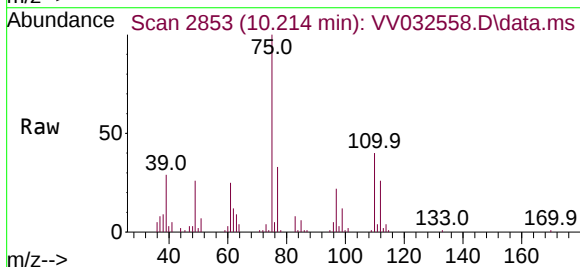
Instrument :
MSVOA_V
ClientSampleId :

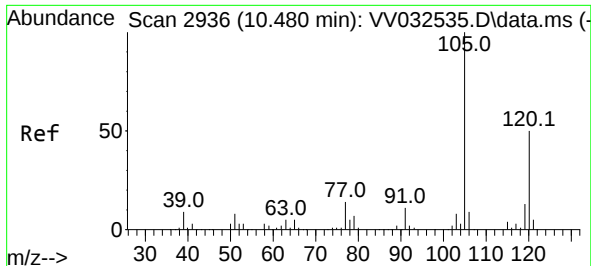
Tgt Ion:105 Resp: 187095
Ion Ratio Lower Upper
105 100
120 25.3 21.0 31.6
77 16.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.061 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion: 75 Resp: 27920
Ion Ratio Lower Upper
75 100
77 34.1 26.2 39.2
110 38.9 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.366 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

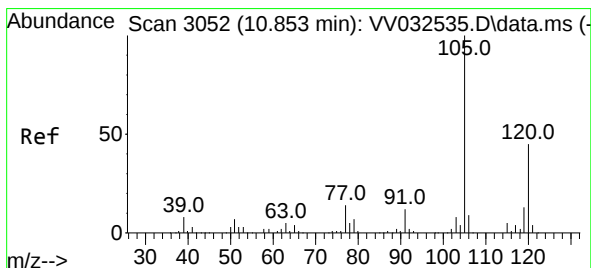
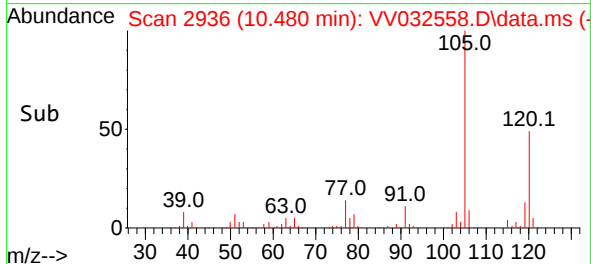
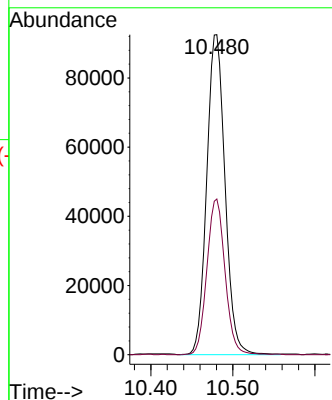
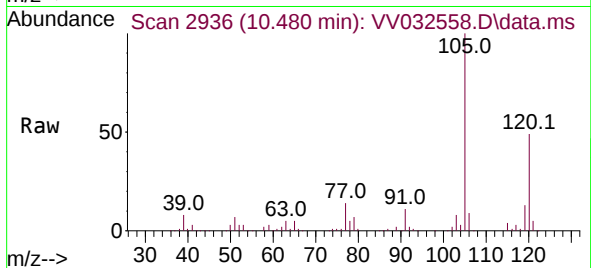
ClientSampleId :

Tgt Ion:105 Resp: 143329

Ion Ratio Lower Upper

105 100

120 48.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.343 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032558.D

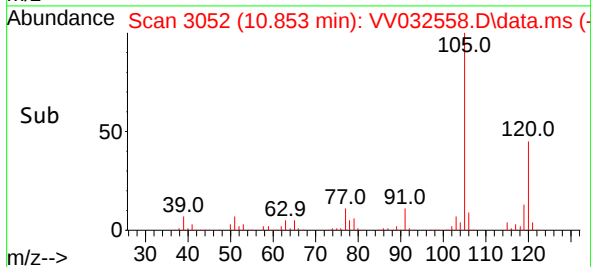
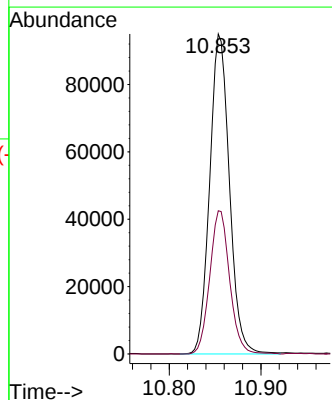
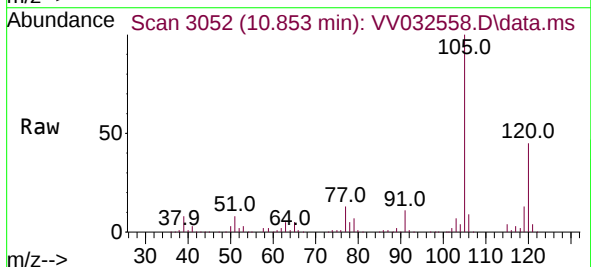
Acq: 21 Oct 2023 05:36

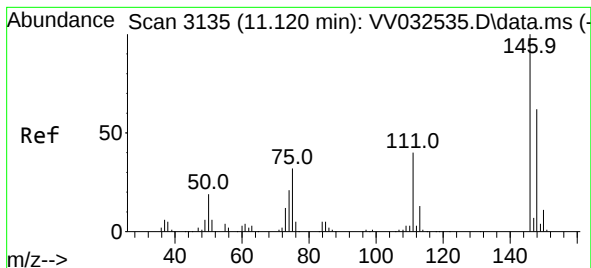
Tgt Ion:105 Resp: 141950

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 4.685 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

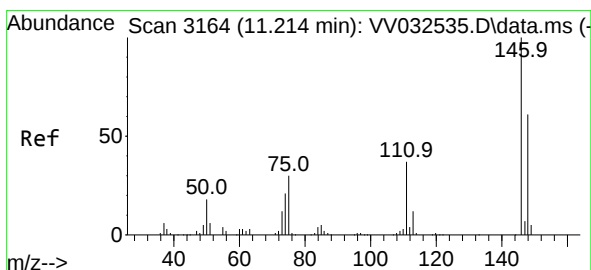
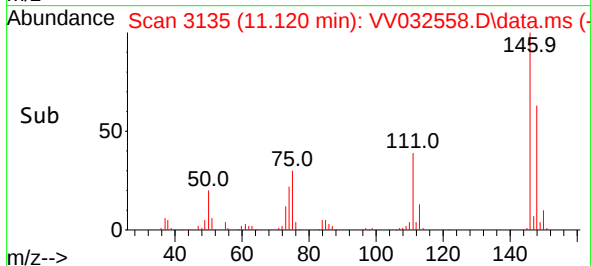
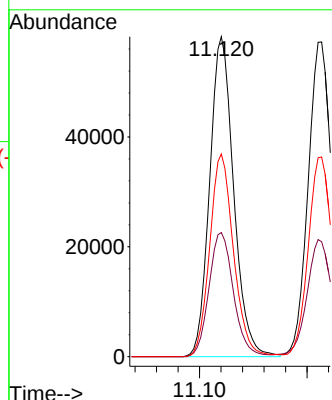
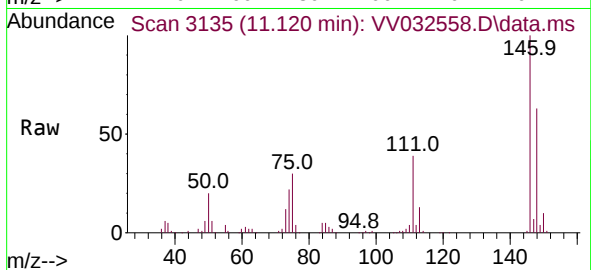
Tgt Ion:146 Resp: 90143

Ion Ratio Lower Upper

146 100

111 38.8 27.8 51.6

148 63.3 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 4.723 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

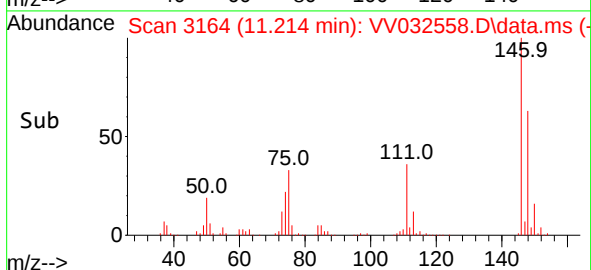
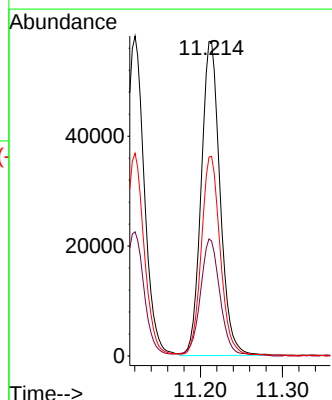
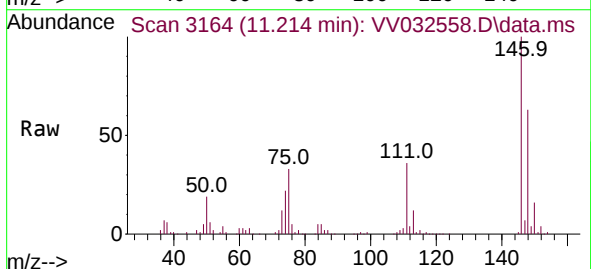
Tgt Ion:146 Resp: 91172

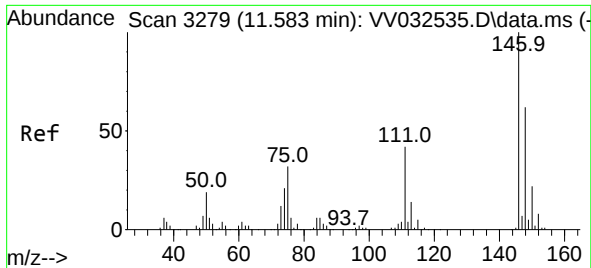
Ion Ratio Lower Upper

146 100

111 36.5 26.9 49.9

148 63.4 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.807 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

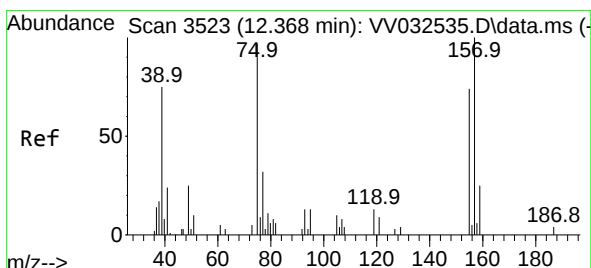
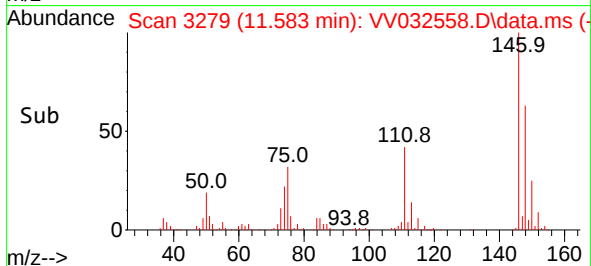
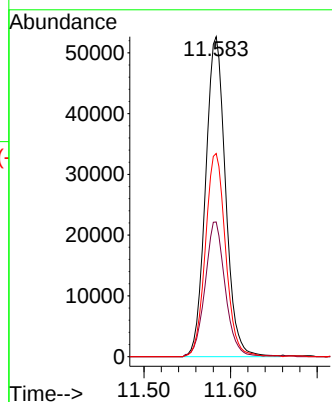
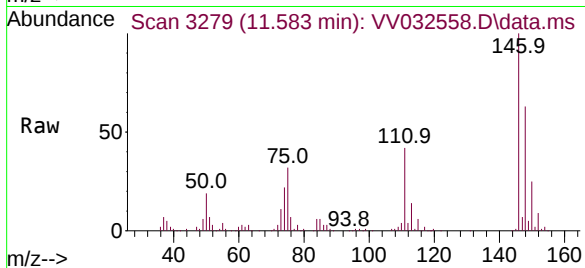
Tgt Ion:146 Resp: 84361

Ion Ratio Lower Upper

146 100

111 42.1 32.8 49.2

148 63.5 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.269 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

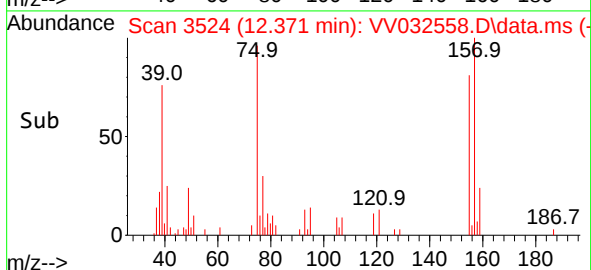
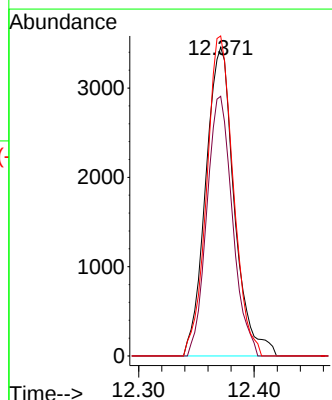
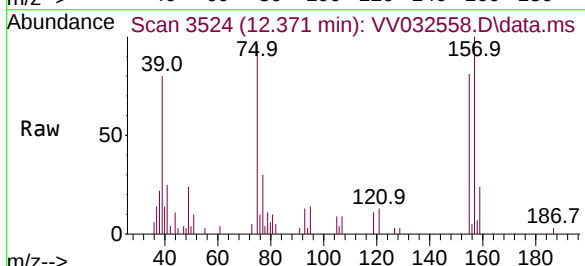
Tgt Ion: 75 Resp: 5939

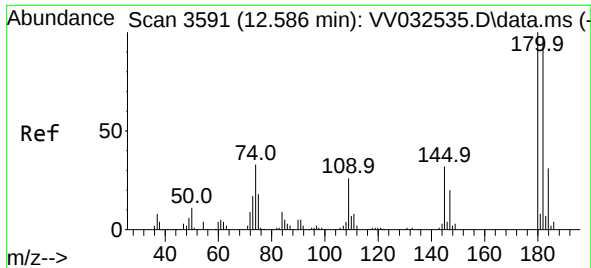
Ion Ratio Lower Upper

75 100

155 84.2 70.2 105.4

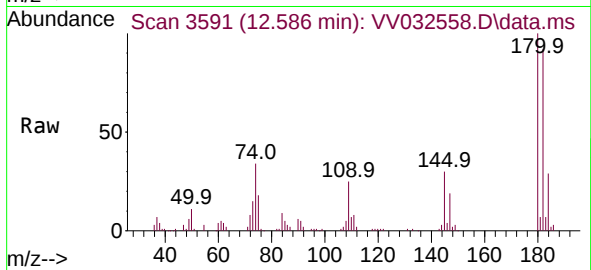
157 103.7 90.6 135.8



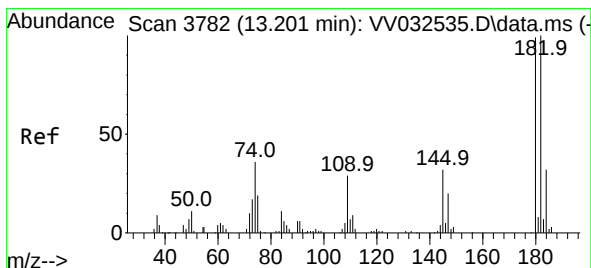
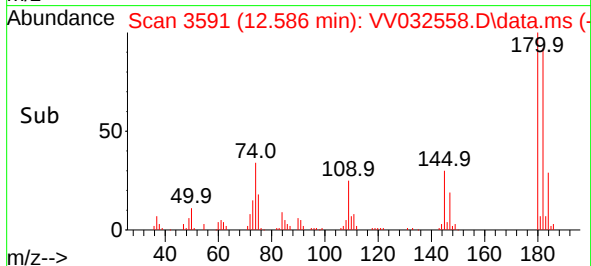
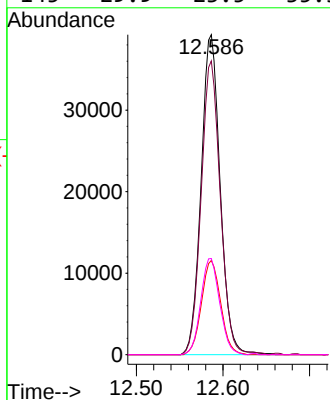


#69
1,3,5-Trichlorobenzene
Concen: 4.261 ug/L
RT: 12.586 min Scan# 3591
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Instrument :
MSVOA_V
ClientSampleId :

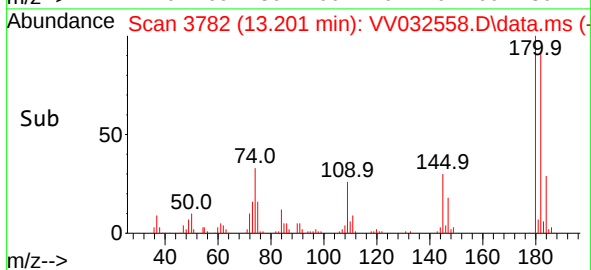
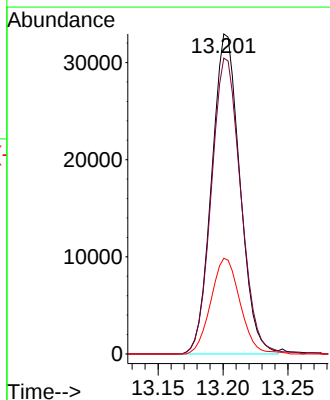
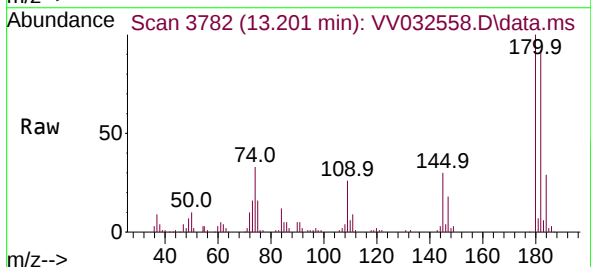


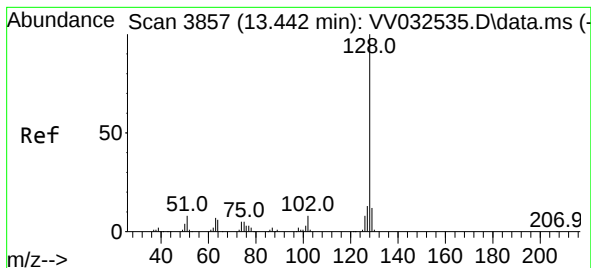
Tgt Ion:180 Resp: 60048
Ion Ratio Lower Upper
180 100
182 92.3 74.6 112.0
184 29.6 24.1 36.1
145 29.9 23.5 35.3



#70
1,2,4-trichlorobenzene
Concen: 3.979 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.000 min
Lab File: VV032558.D
Acq: 21 Oct 2023 05:36

Tgt Ion:180 Resp: 49729
Ion Ratio Lower Upper
180 100
182 96.2 76.5 114.7
145 31.0 24.3 36.5





#71

Naphthalene

Concen: 3.923 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032558.D

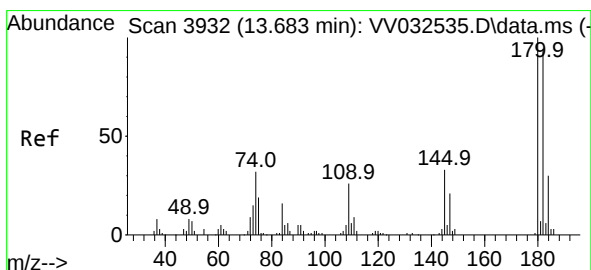
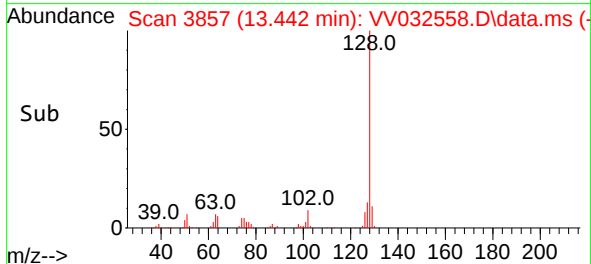
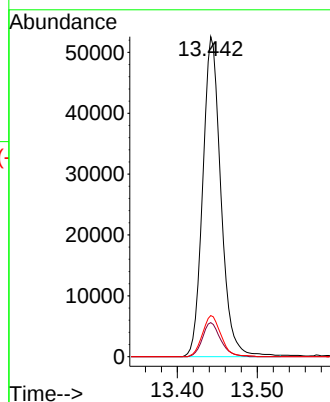
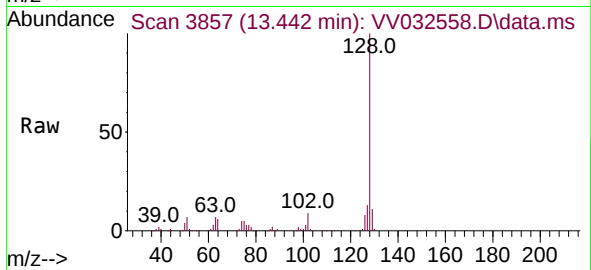
Acq: 21 Oct 2023 05:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	83292
Ion Ratio	Lower	Upper
128	100	
129	10.6	9.0 13.4
127	13.2	10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.408 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032558.D

Acq: 21 Oct 2023 05:36

Tgt Ion:180	Resp:	47473
Ion Ratio	Lower	Upper
180	100	
182	97.5	77.0 115.4
145	32.5	25.7 38.5

