

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102023\
 Data File : VW032535.D
 Acq On : 20 Oct 2023 19:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 20 23:09:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 20 23:03:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	85553	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	95524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	51561	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	32571	4.681	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.532	69	29584	5.238	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.060	65	13089	4.461	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	3.815	46	97554	55.424	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.840%
24) Chloroform-d	4.252	84	65503	5.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	4.950	65	33129	5.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.000%
32) Benzene-d6	4.963	84	118983	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	5.995	67	37751	4.054	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.000%
41) Toluene-d8	7.246	98	114173	4.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.558	79	14724	4.462	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.030	63	84338	54.318	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.640%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	35059	5.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	42399	4.431	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	50219	5.268	ug/L	99
3) Chloromethane	1.217	50	53135	5.529	ug/L	99
5) Vinyl chloride	1.281	62	51856	5.657	ug/L	100
6) Bromomethane	1.487	94	29112	5.257	ug/L	96
8) Chloroethane	1.552	64	32620	5.911	ug/L	99
9) Trichlorofluoromethane	1.716	101	67634	6.153	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	38728	5.814	ug/L	99
12) 1,1-Dichloroethene	2.069	96	36945	5.888	ug/L	93
13) Acetone	2.143	43	70167	51.722	ug/L	93
14) Carbon disulfide	2.243	76	100875	4.599	ug/L	100
15) Methyl Acetate	2.388	43	16165	5.293	ug/L	98
16) Methylene chloride	2.449	84	43613	5.331	ug/L	92
17) Methyl tert-butyl Ether	2.709	73	92869	5.437	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	36454	5.072	ug/L	97
19) 1,1-Dichloroethane	3.114	63	76281	5.642	ug/L	100
21) 2-Butanone	3.899	43	111574	52.593	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	39528	5.108	ug/L	94
23) Bromochloromethane	4.153	128	18856	5.792	ug/L	97
25) Chloroform	4.281	83	78579	5.924	ug/L	99

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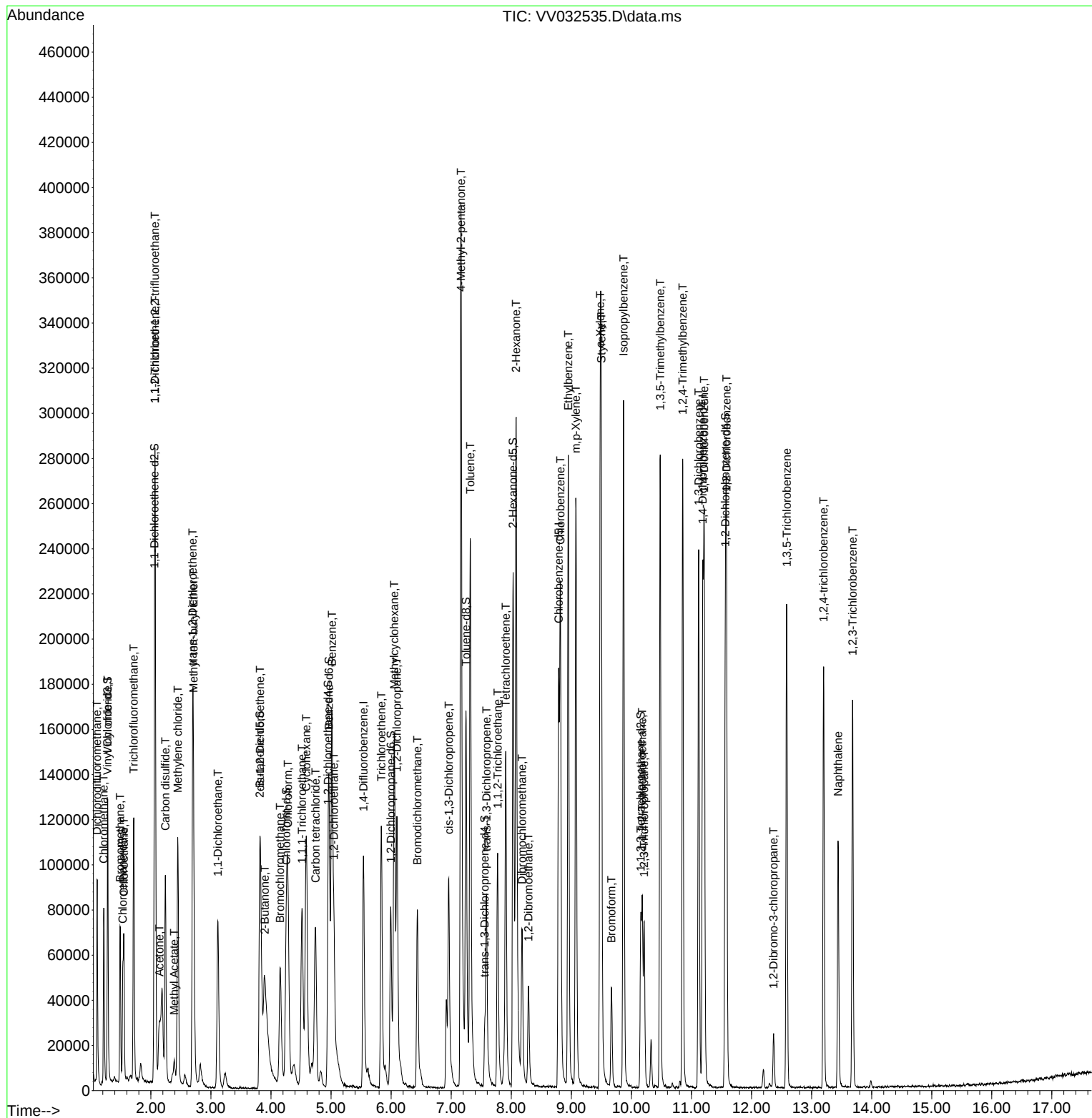
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	48655	6.209	ug/L	100
29) 1,1,1-Trichloroethane	4.516	97	64478	4.965	ug/L	97
30) Cyclohexane	4.587	56	55449	3.885	ug/L	97
31) Carbon tetrachloride	4.741	117	53493	4.868	ug/L	100
33) Benzene	5.014	78	163509	4.862	ug/L	100
34) Trichloroethene	5.838	95	41352	4.504	ug/L	95
35) Methylcyclohexane	6.053	83	57303	4.033	ug/L	98
37) 1,2-Dichloropropane	6.095	63	43149	4.797	ug/L	98
38) Bromodichloromethane	6.436	83	58433	5.468	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	59091	4.617	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	288292	50.650	ug/L	97
42) Toluene	7.317	91	182377	5.087	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	49810	4.735	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	32313	5.093	ug/L	96
47) Tetrachloroethene	7.908	164	33331	4.787	ug/L	98
48) 2-Hexanone	8.082	43	207893	51.768	ug/L	98
49) Dibromochloromethane	8.178	129	35504	5.375	ug/L	92
50) 1,2-Dibromoethane	8.288	107	30615	5.102	ug/L	98
51) Chlorobenzene	8.818	112	114055	4.941	ug/L	99
52) Ethylbenzene	8.950	91	192906	4.832	ug/L	100
53) m,p-Xylene	9.075	106	74088	5.004	ug/L	97
54) o-Xylene	9.480	106	69102	4.843	ug/L	96
55) Styrene	9.500	104	122002	5.063	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	39106	5.602	ug/L	99
59) Bromoform	9.667	173	18925	5.047	ug/L	99
60) Isopropylbenzene	9.870	105	188074	4.693	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	28070	5.115	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	142638	4.367	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	145464	4.474	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	91153	4.762	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	90807	4.728	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	83959	4.809	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5741	5.120	ug/L	89
69) 1,3,5-Trichlorobenzene	12.586	180	61510	4.388	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	50511	4.062	ug/L	97
71) Naphthalene	13.442	128	82861	3.923	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	47300	4.415	ug/L	99

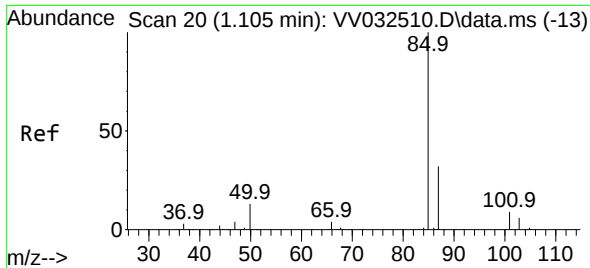
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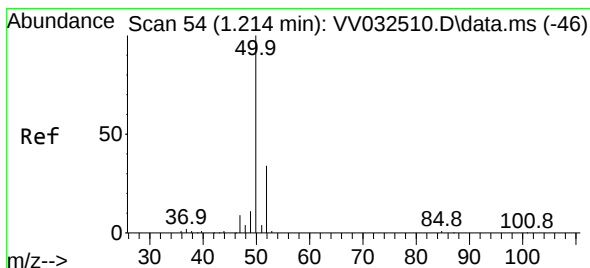
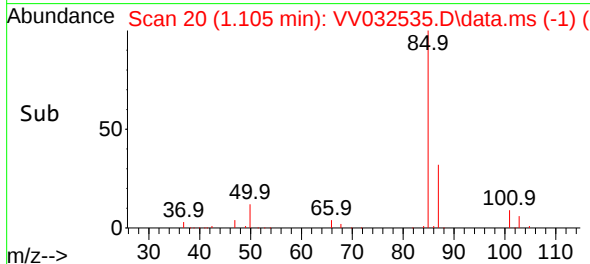
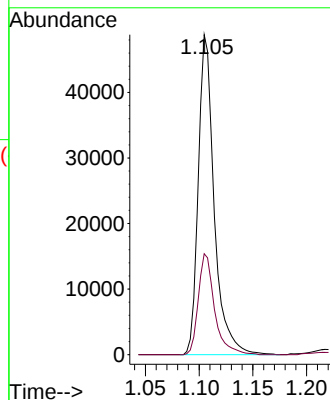
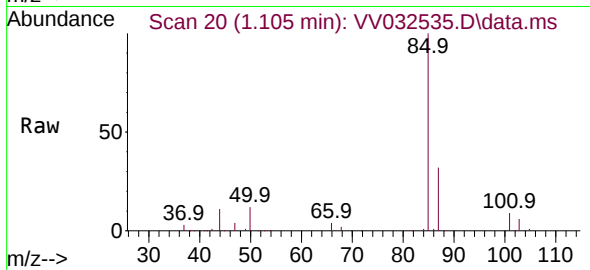




#2
 Dichlorodifluoromethane
 Concen: 5.268 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

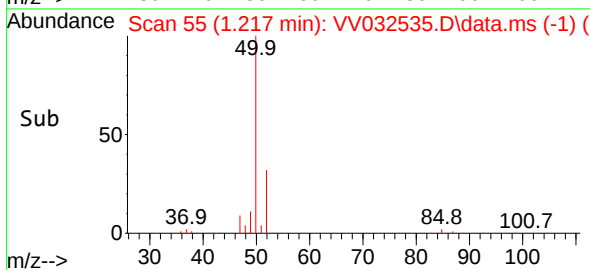
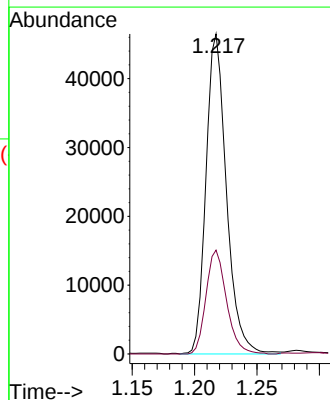
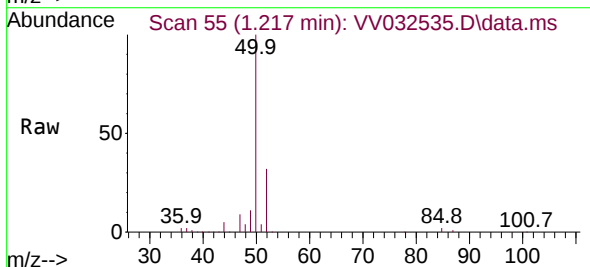
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 ClientSampleId :

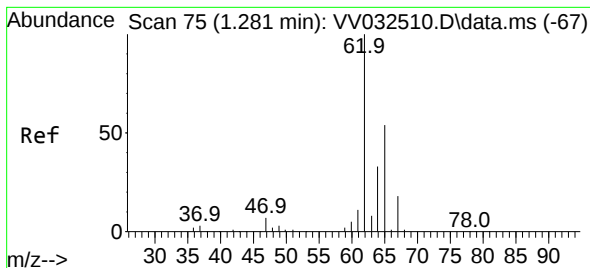
Tgt Ion: 85 Resp: 50219
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.5 38.3



#3
 Chloromethane
 Concen: 5.529 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 50 Resp: 53135
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6





#5

Vinyl chloride

Concen: 5.657 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

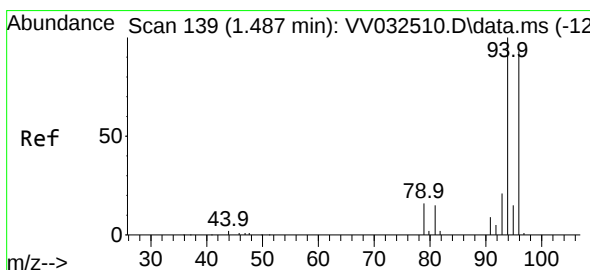
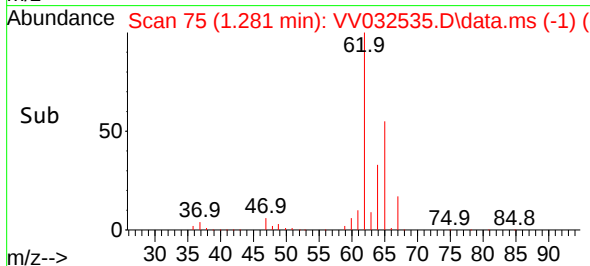
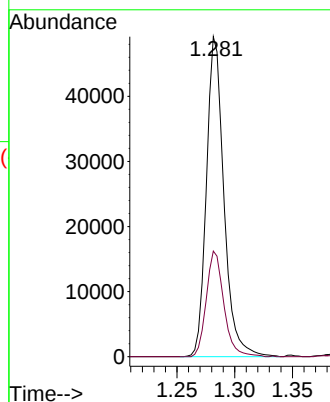
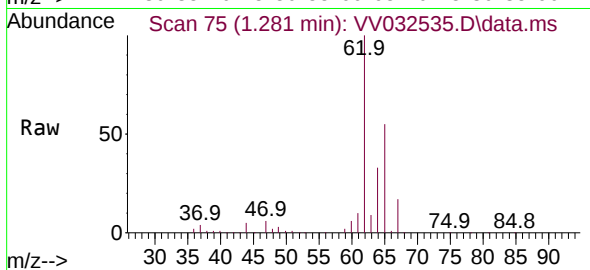
ClientSampleId :

Tgt Ion: 62 Resp: 51856

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 5.257 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV032535.D

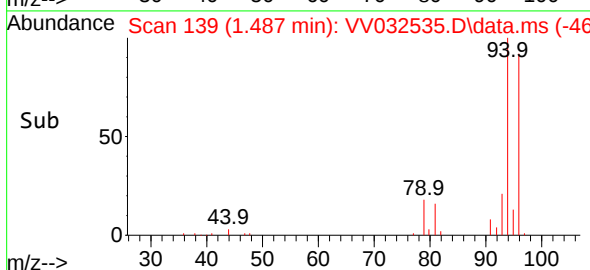
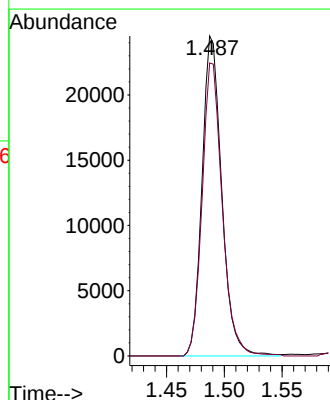
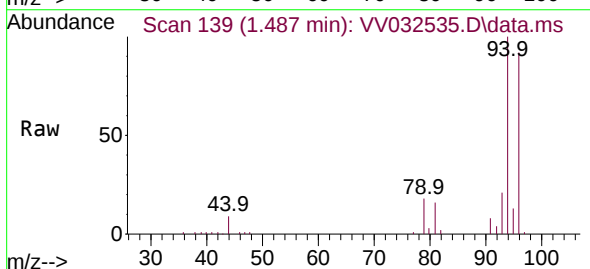
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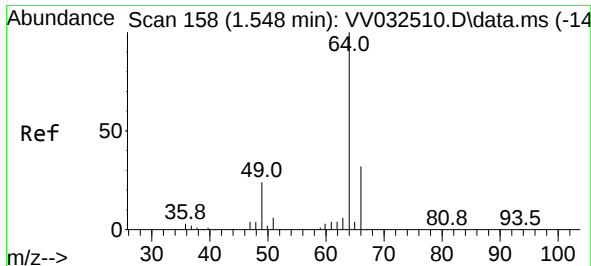
Tgt Ion: 94 Resp: 29112

Ion Ratio Lower Upper

94 100

96 91.5 66.8 124.2

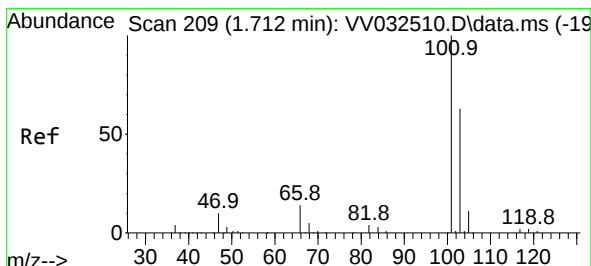
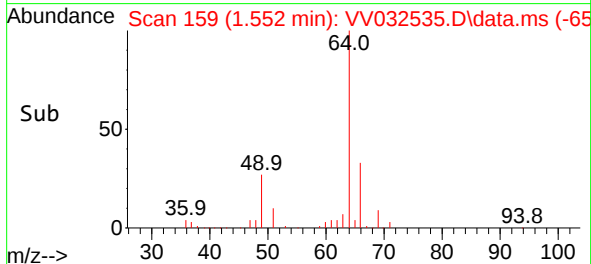
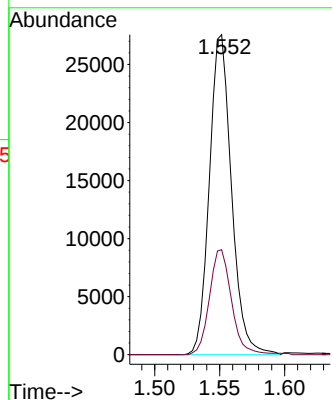
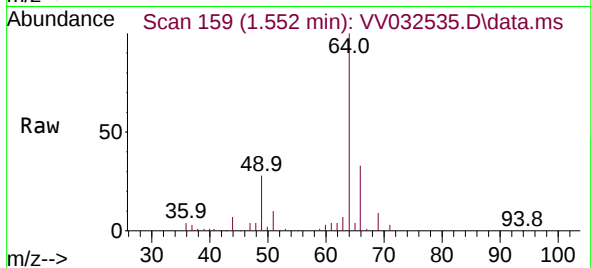




#8
Chloroethane
Concen: 5.911 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

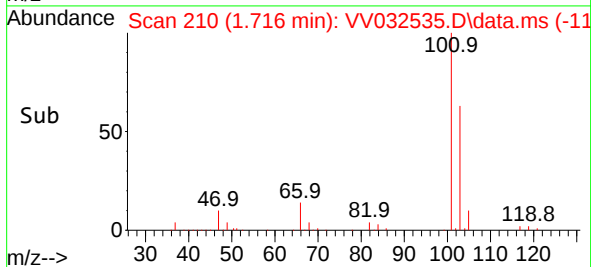
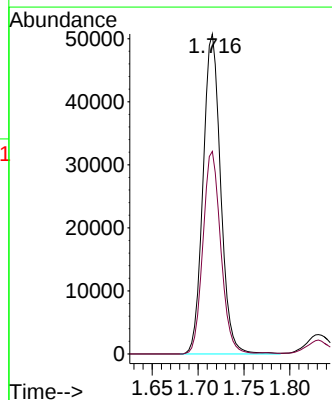
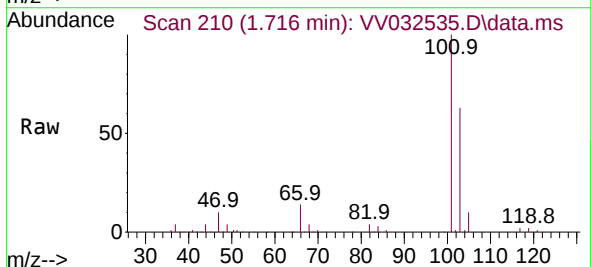
Instrument :
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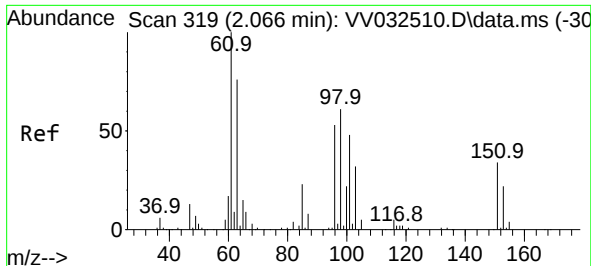
Tgt Ion: 64 Resp: 32620
Ion Ratio Lower Upper
64 100
66 32.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.153 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion:101 Resp: 67634
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

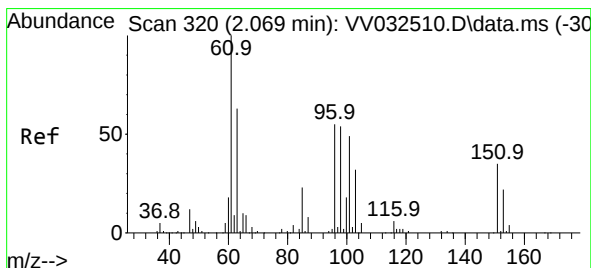
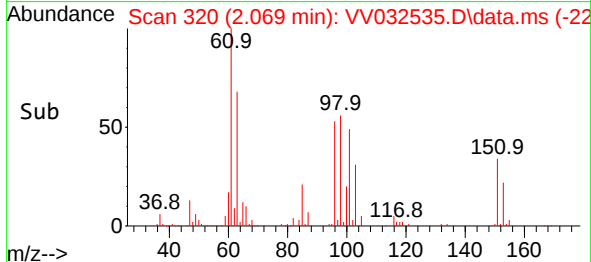
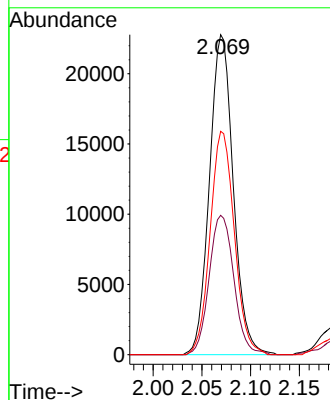
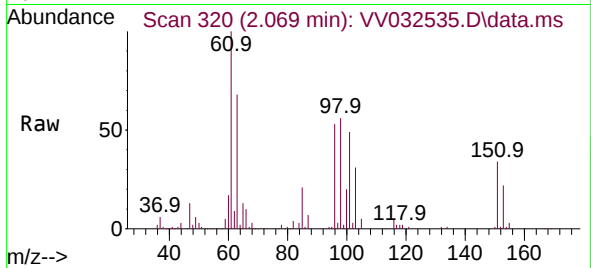




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.814 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

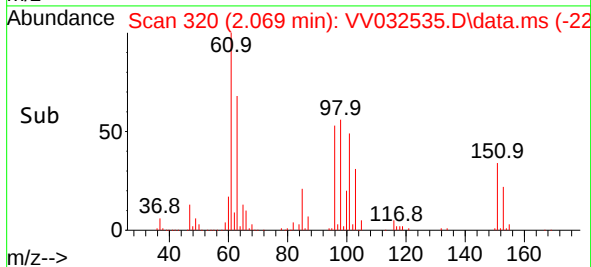
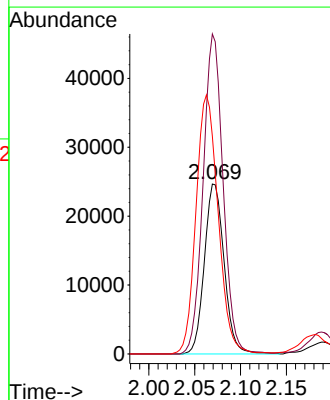
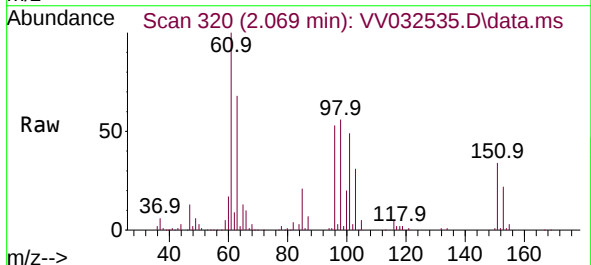
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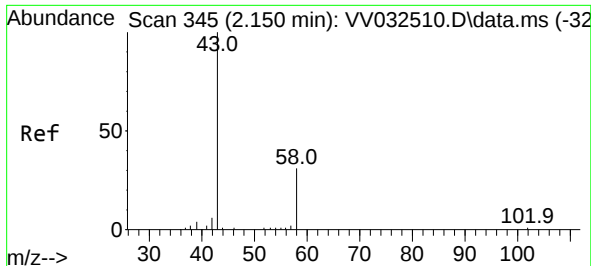
Tgt Ion:101 Resp: 38728
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.0 52.6
 151 71.0 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.888 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 96 Resp: 36945
 Ion Ratio Lower Upper
 96 100
 61 188.4 127.3 236.3
 63 128.2 98.3 182.7





#13

Acetone

Concen: 51.722 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

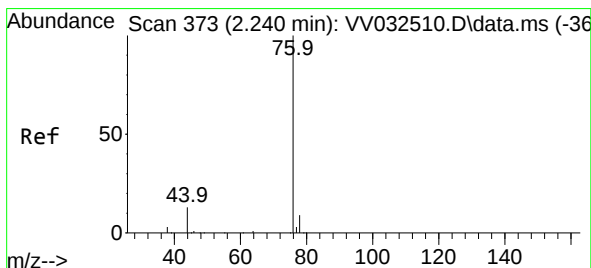
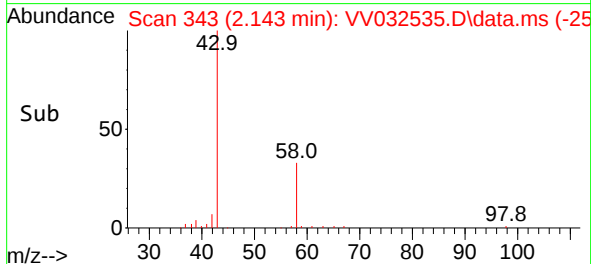
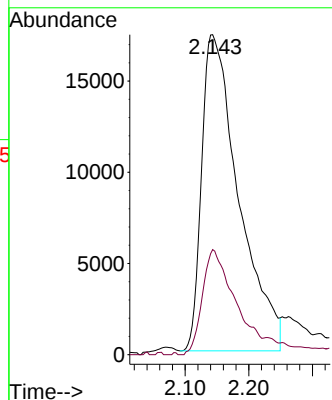
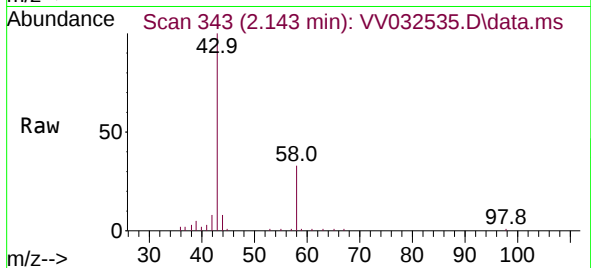
ClientSampleId :

Tgt Ion: 43 Resp: 70167

Ion Ratio Lower Upper

43 100

58 29.3 0.0 66.0



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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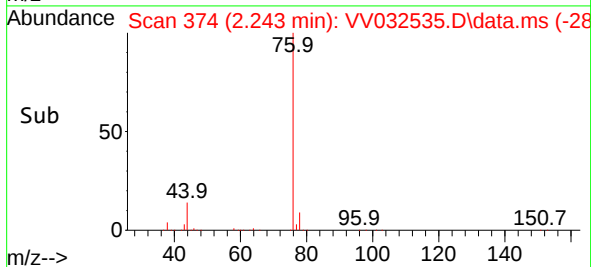
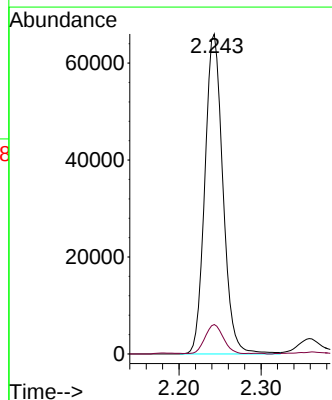
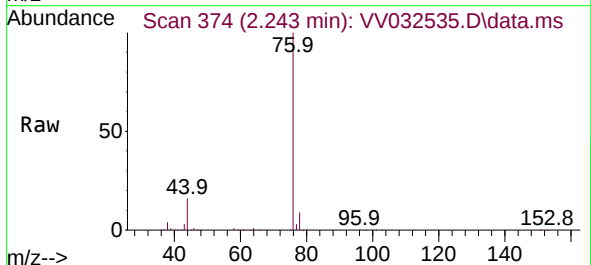
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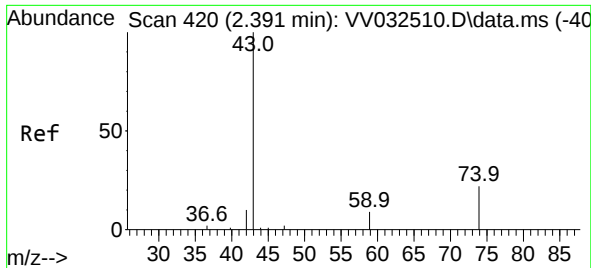
Tgt Ion: 76 Resp: 100875

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

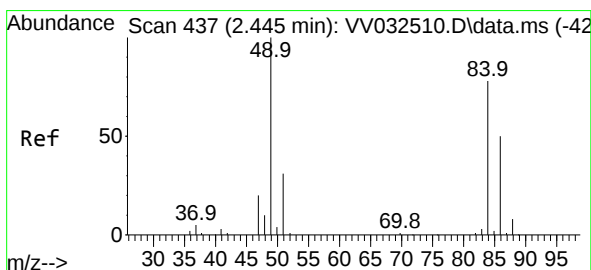
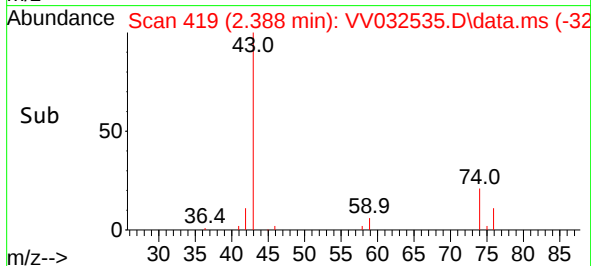
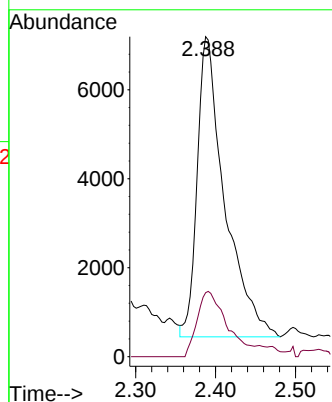
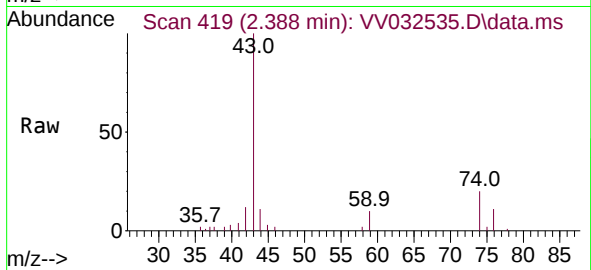




#15
Methyl Acetate
Concen: 5.293 ug/L
RT: 2.388 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

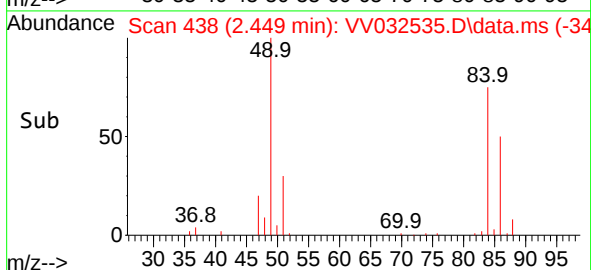
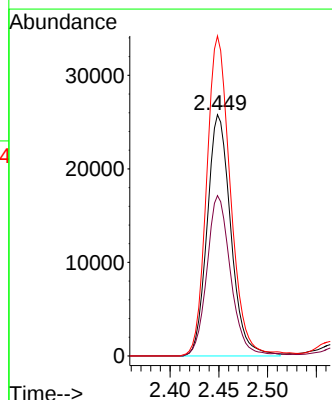
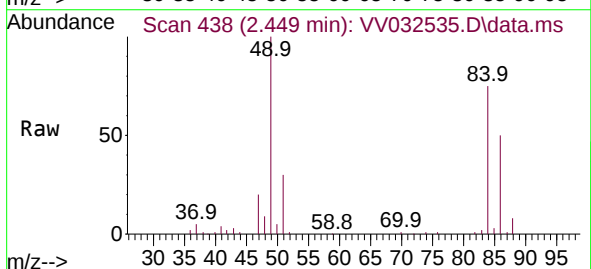
Instrument :
MSVOA_V
ClientSampleId :

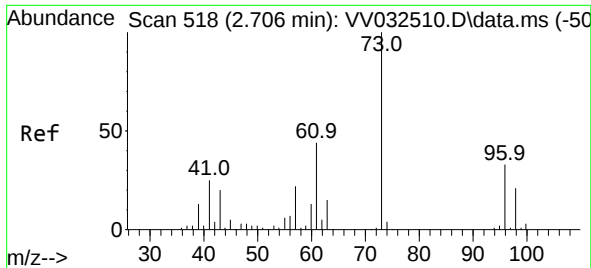
Tgt Ion: 43 Resp: 16165
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



#16
Methylene chloride
Concen: 5.331 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

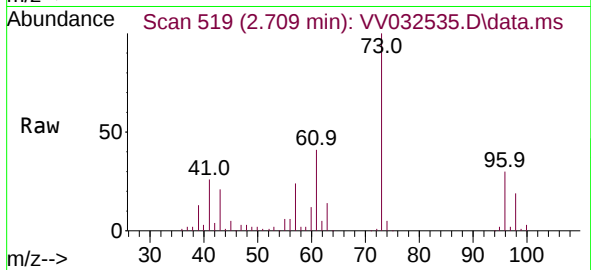
Tgt Ion: 84 Resp: 43613
Ion Ratio Lower Upper
84 100
86 66.4 43.2 80.2
49 132.6 86.3 160.3





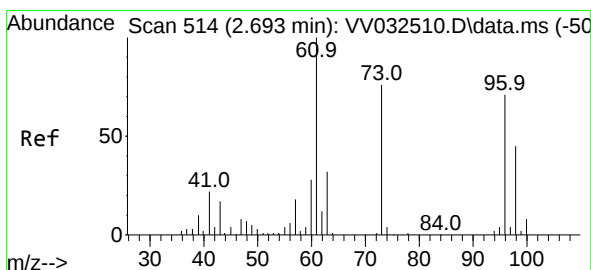
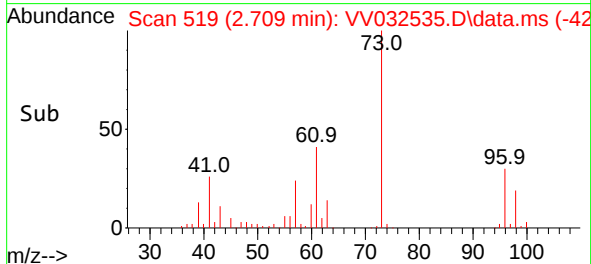
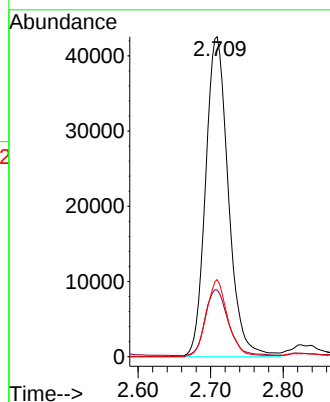
#17
Methyl tert-butyl Ether
Concen: 5.437 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 73 Resp: 92869

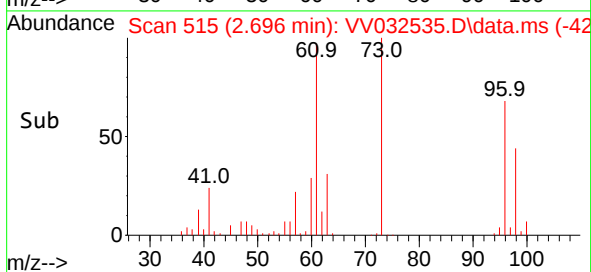
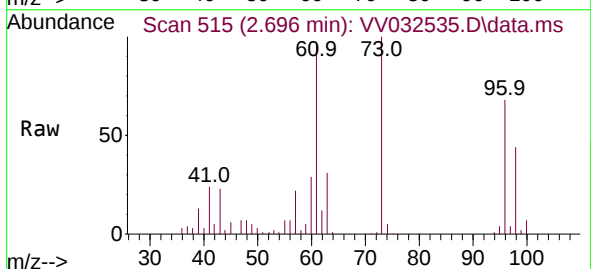
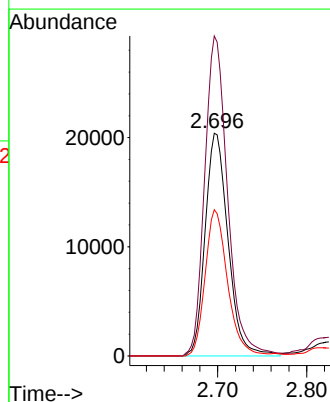
Ion	Ratio	Lower	Upper
73	100		
43	22.2	15.1	22.7
57	22.8	18.3	27.5

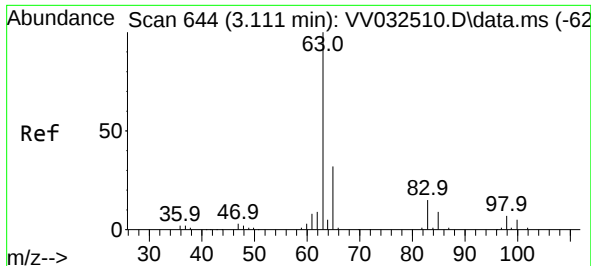


#18
trans-1,2-Dichloroethene
Concen: 5.072 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 96 Resp: 36454

Ion	Ratio	Lower	Upper
96	100		
61	143.7	96.9	180.1
98	65.6	45.3	84.1





#19

1,1-Dichloroethane

Concen: 5.642 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

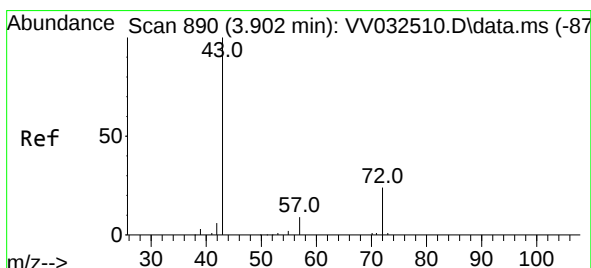
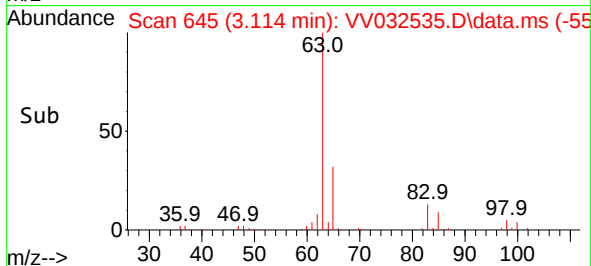
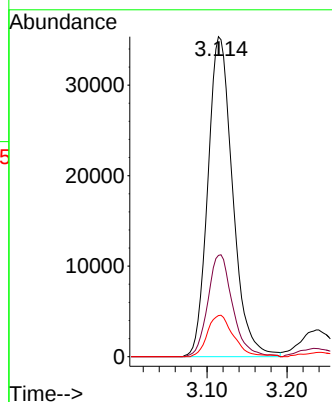
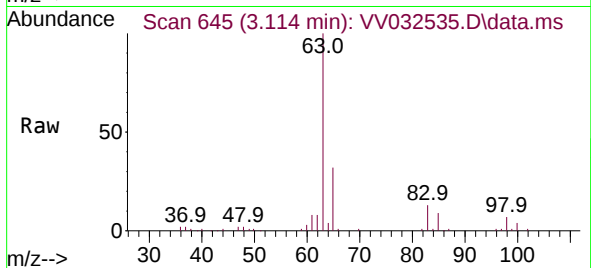
Tgt Ion: 63 Resp: 76281

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 12.9 9.0 16.6



#21

2-Butanone

Concen: 52.593 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV032535.D

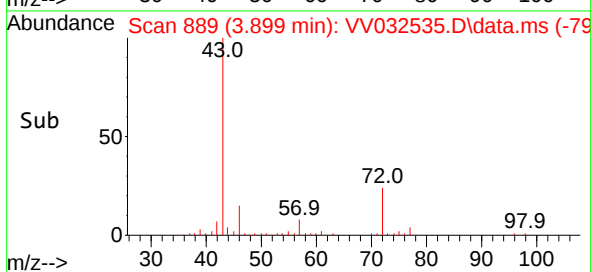
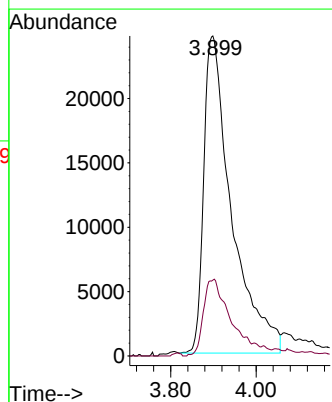
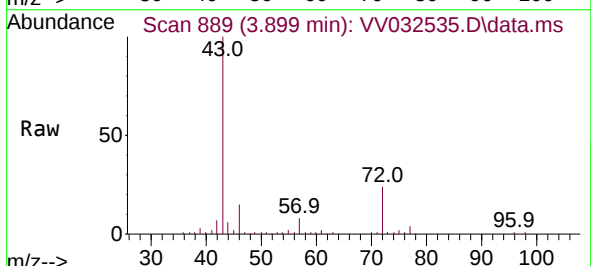
Acq: 20 Oct 2023 19:51

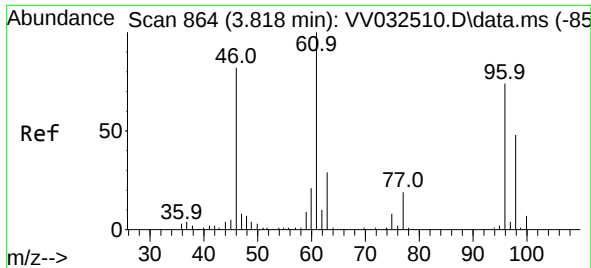
Tgt Ion: 43 Resp: 111574

Ion Ratio Lower Upper

43 100

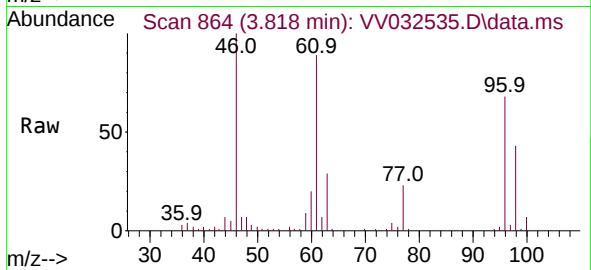
72 22.7 11.6 34.8



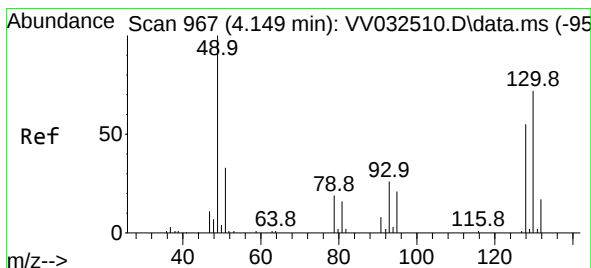
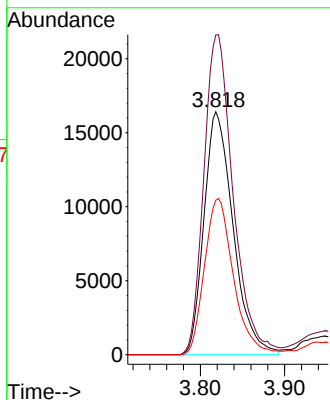
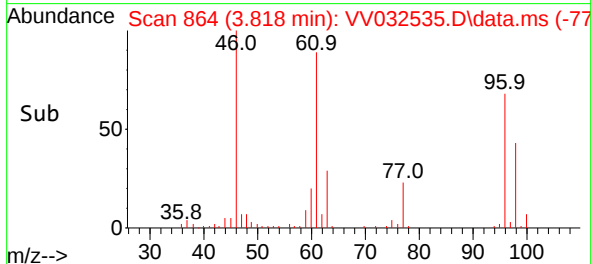


#22
 cis-1,2-Dichloroethene
 Concen: 5.108 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Instrument :
 MSVOA_V
 ClientSampleId :

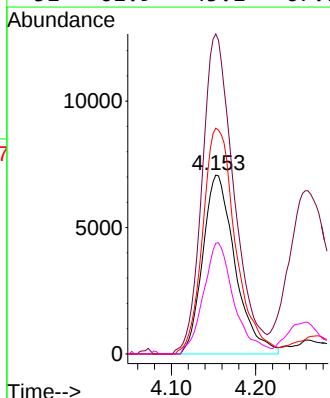
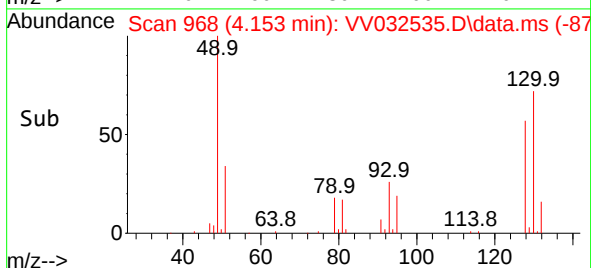
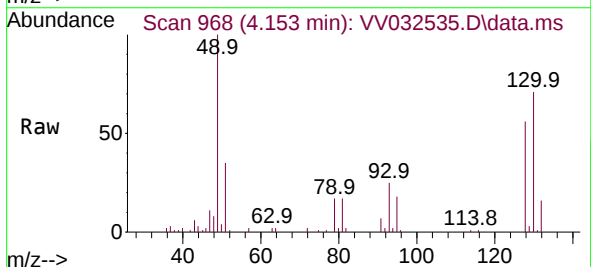


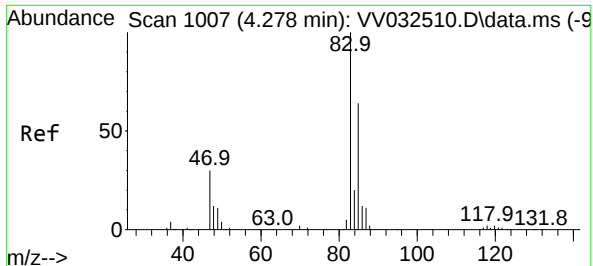
Tgt Ion: 96 Resp: 39528
 Ion Ratio Lower Upper
 96 100
 61 131.6 85.8 159.4
 98 63.6 44.0 81.6



#23
 Bromochloromethane
 Concen: 5.792 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 128 Resp: 18856
 Ion Ratio Lower Upper
 128 100
 49 178.9 121.2 225.0
 130 126.2 88.2 163.8
 51 61.9 45.1 67.7

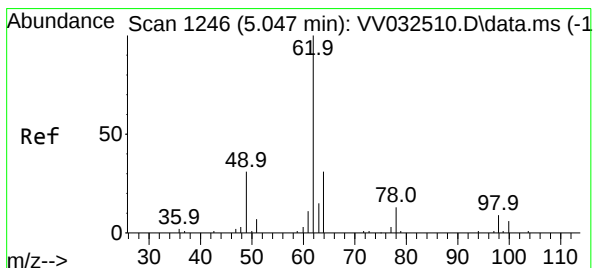
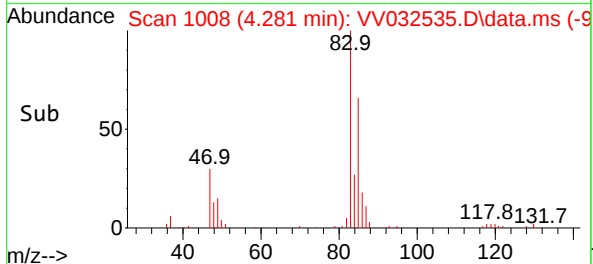
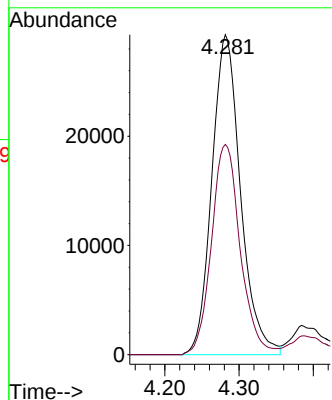
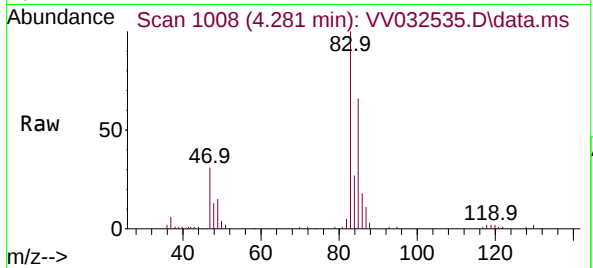




#25
Chloroform
Concen: 5.924 ug/L
RT: 4.281 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

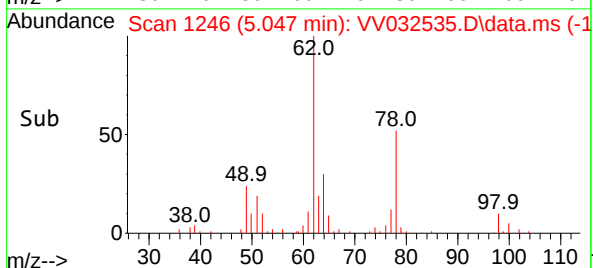
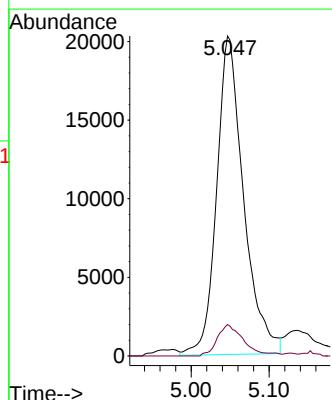
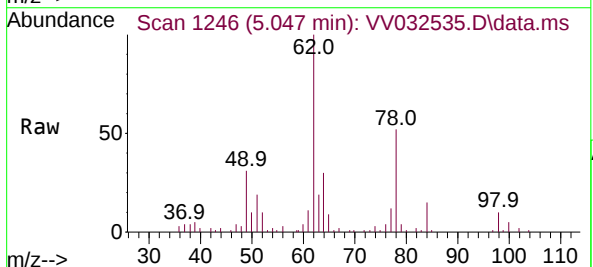
Instrument :
MSVOA_V
ClientSampleId :

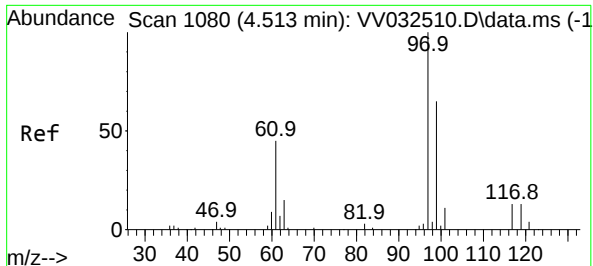
Tgt Ion: 83 Resp: 78579
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 6.209 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 62 Resp: 48655
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.965 ug/L

RT: 4.516 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

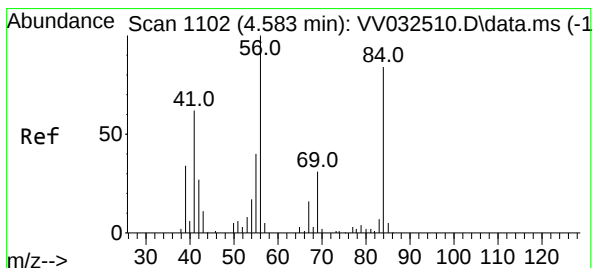
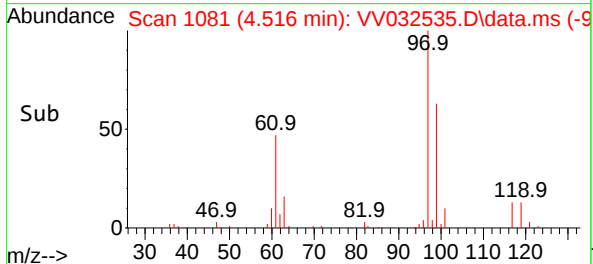
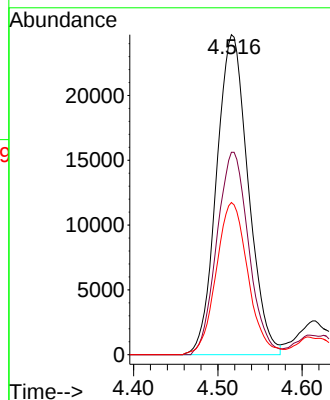
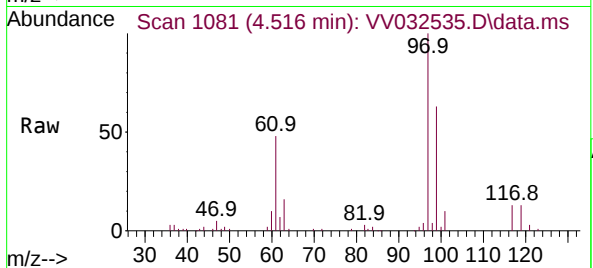
Tgt Ion: 97 Resp: 64478

Ion Ratio Lower Upper

97 100

99 63.6 50.1 75.1

61 47.6 35.1 52.7



#30

Cyclohexane

Concen: 3.885 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

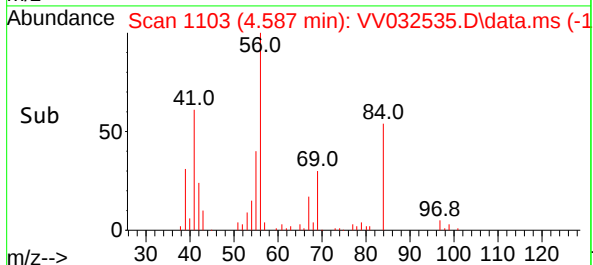
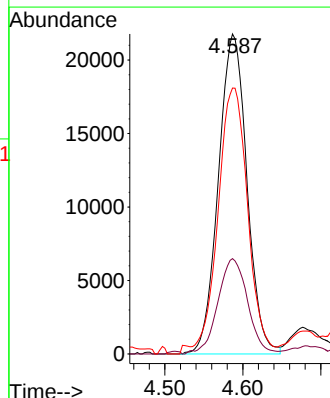
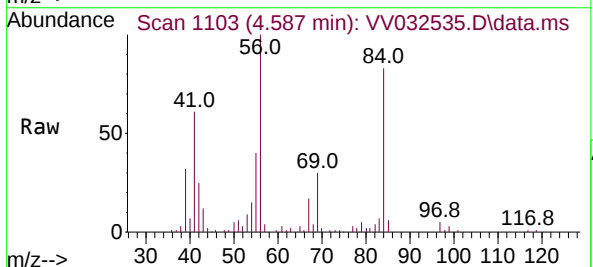
Tgt Ion: 56 Resp: 55449

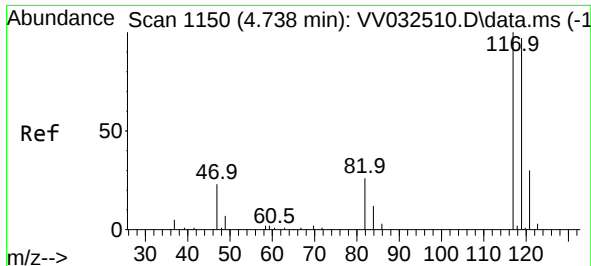
Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 81.7 68.1 102.1

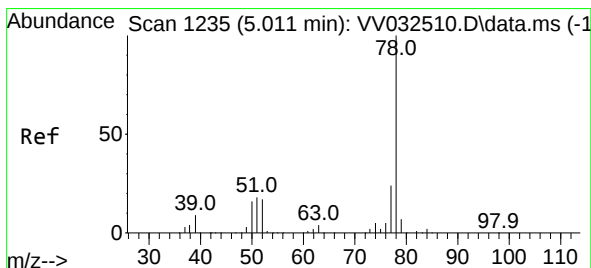
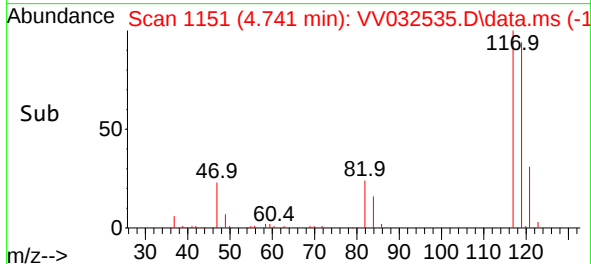
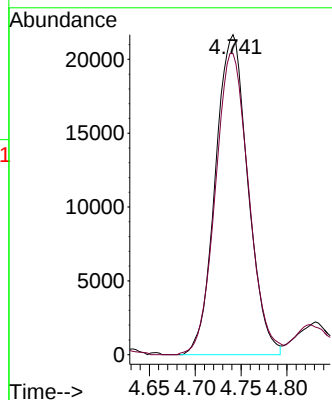
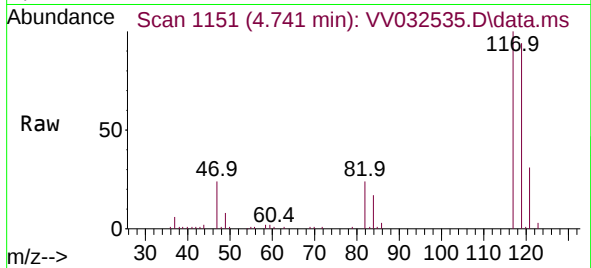




#31
Carbon tetrachloride
Concen: 4.868 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

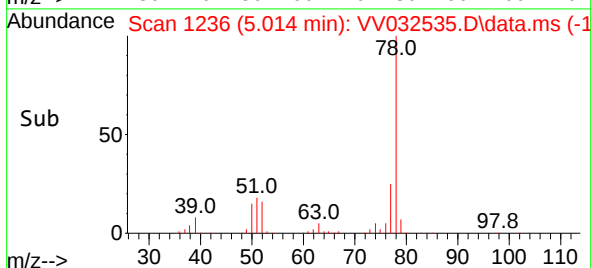
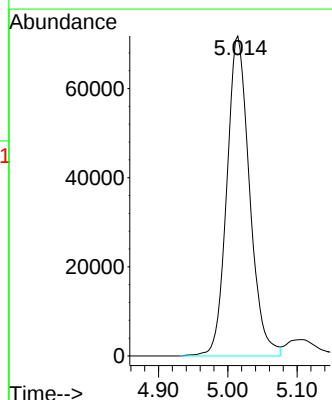
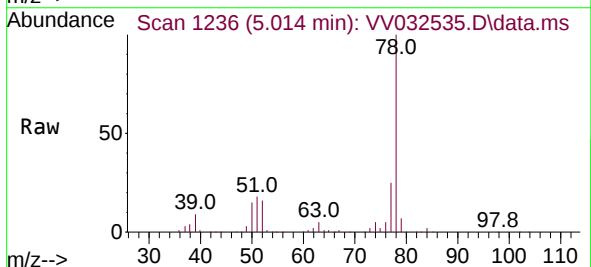
Instrument :
MSVOA_V
ClientSampleId :

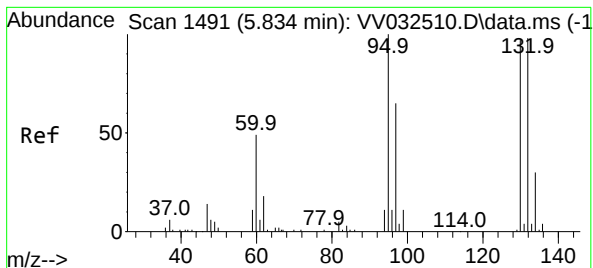
Tgt Ion:117 Resp: 53493
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4



#33
Benzene
Concen: 4.862 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 78 Resp: 163509





#34

Trichloroethene

Concen: 4.504 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 41352

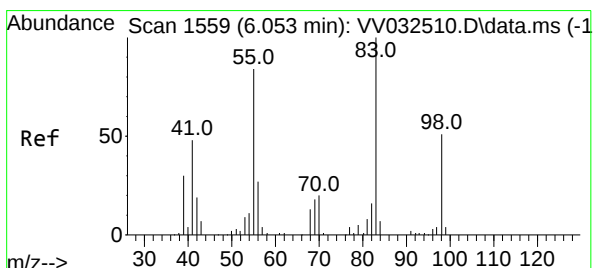
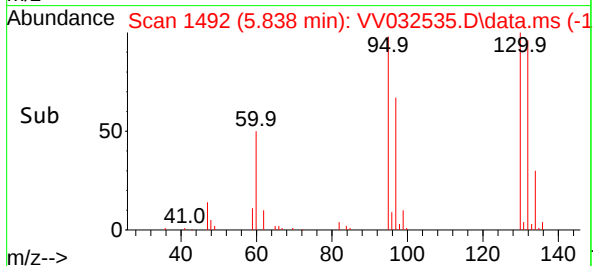
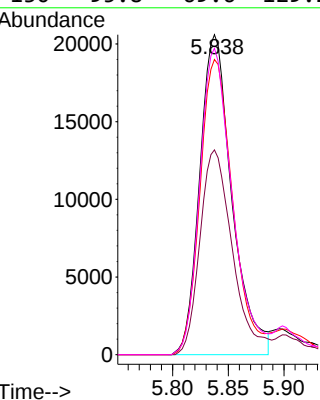
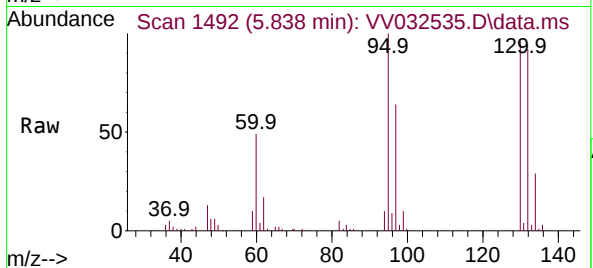
Ion Ratio Lower Upper

95 100

97 64.0 45.7 84.9

132 92.2 70.3 130.5

130 95.8 69.6 129.2



#35

Methylcyclohexane

Concen: 4.033 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

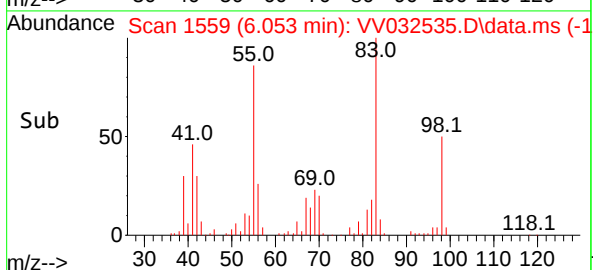
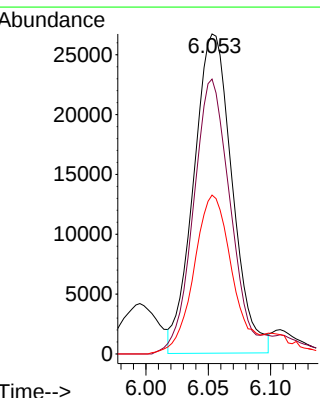
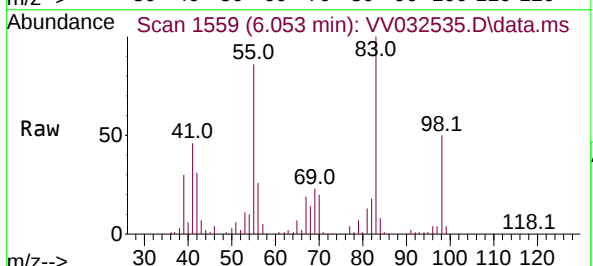
Tgt Ion: 83 Resp: 57303

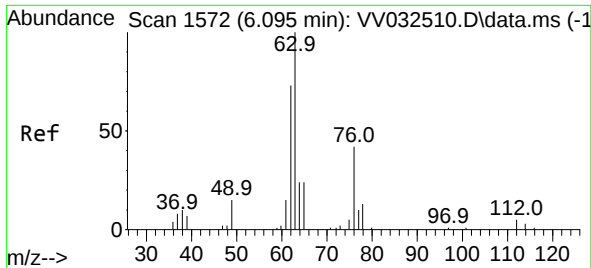
Ion Ratio Lower Upper

83 100

55 83.5 64.2 96.2

98 49.3 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.797 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

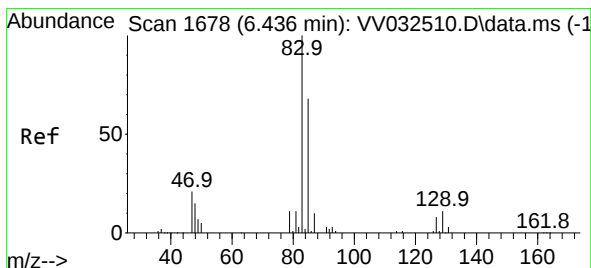
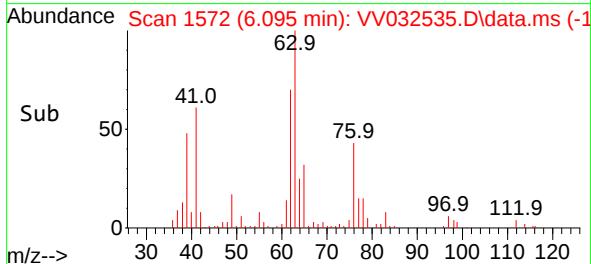
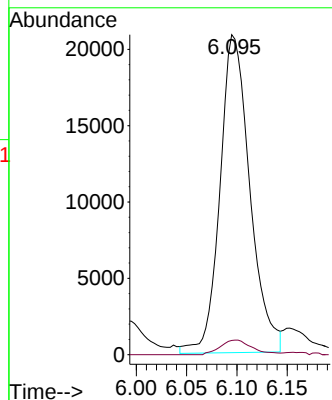
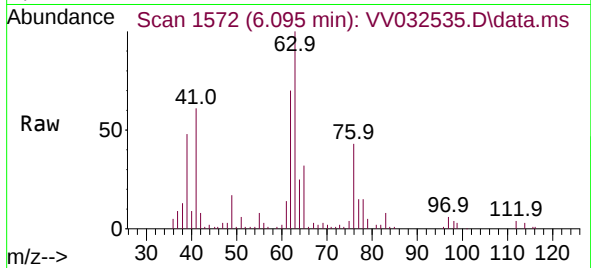
ClientSampleId :

Tgt Ion: 63 Resp: 43149

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.2



#38

Bromodichloromethane

Concen: 5.468 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

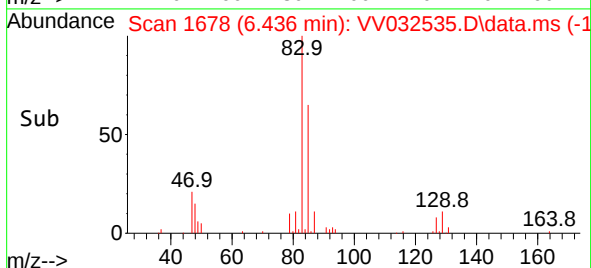
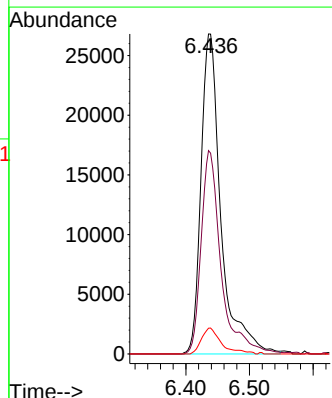
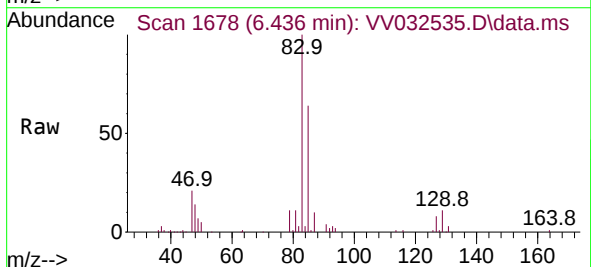
Tgt Ion: 83 Resp: 58433

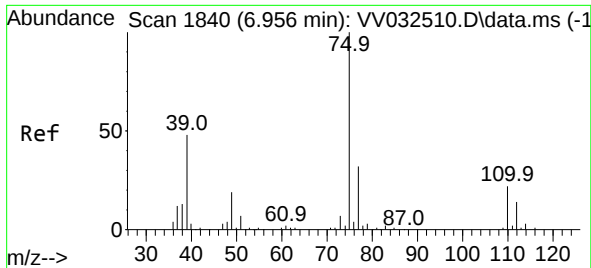
Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

127 8.0 6.9 10.3

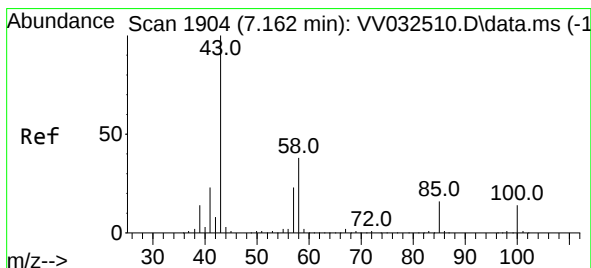
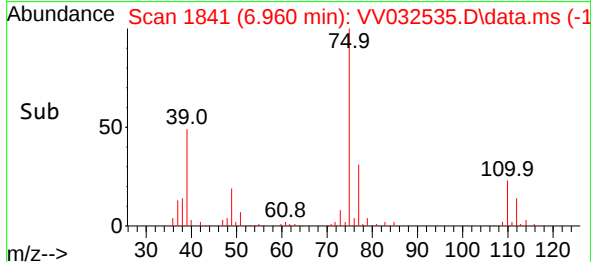
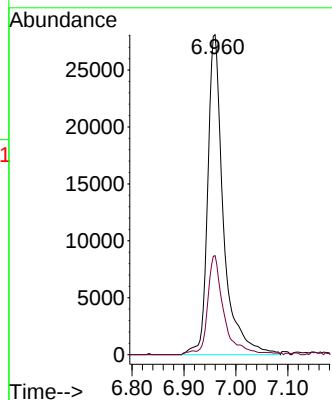
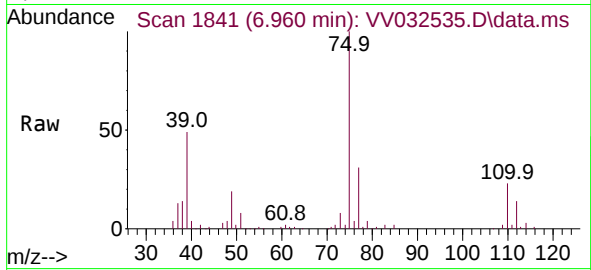




#39
 cis-1,3-Dichloropropene
 Concen: 4.617 ug/L
 RT: 6.960 min Scan# 1841
 Delta R.T. 0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

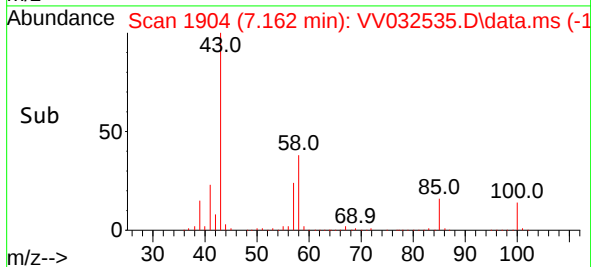
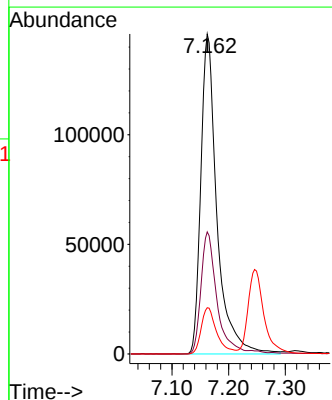
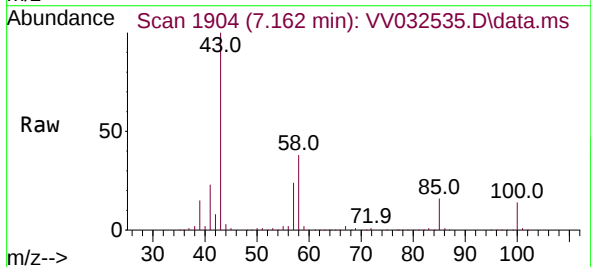
Instrument :
 MSVOA_V
 ClientSampleId :

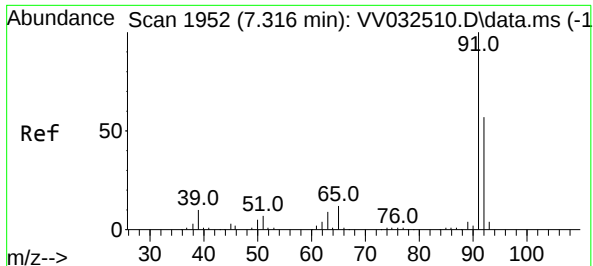
Tgt Ion: 75 Resp: 59091
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 50.650 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 43 Resp: 288292
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.9 47.9
 100 14.0 11.3 16.9





#42

Toluene

Concen: 5.087 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

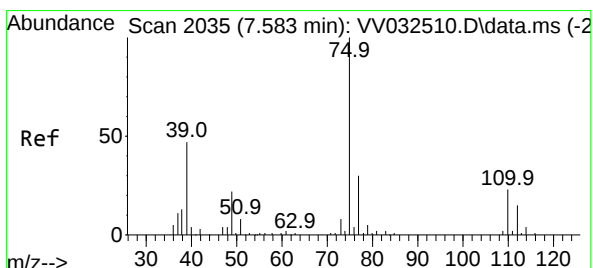
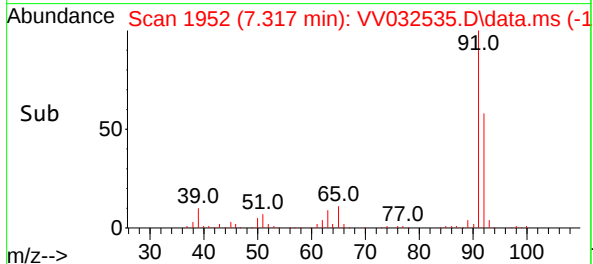
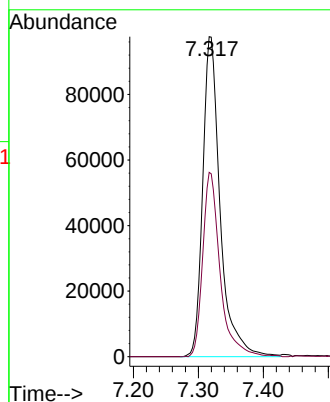
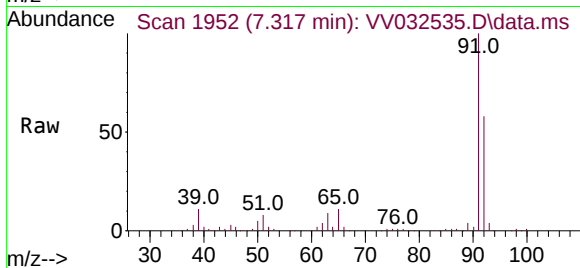
ClientSampleId :

Tgt Ion: 91 Resp: 182377

Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.735 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032535.D

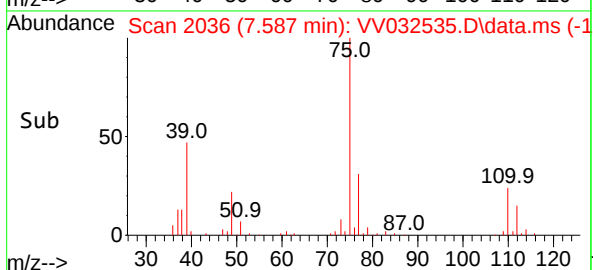
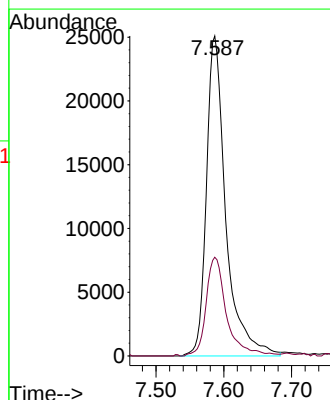
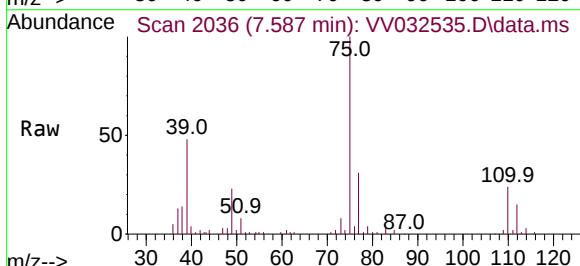
Acq: 20 Oct 2023 19:51

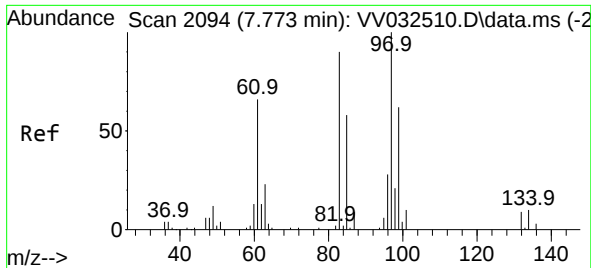
Tgt Ion: 75 Resp: 49810

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7

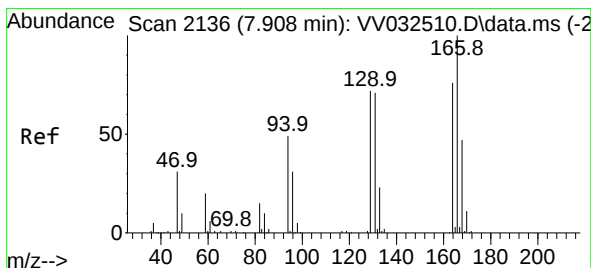
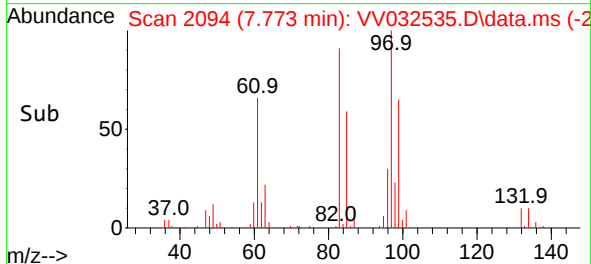
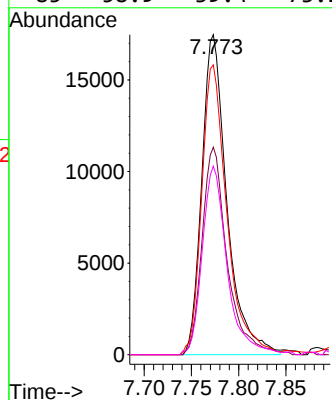
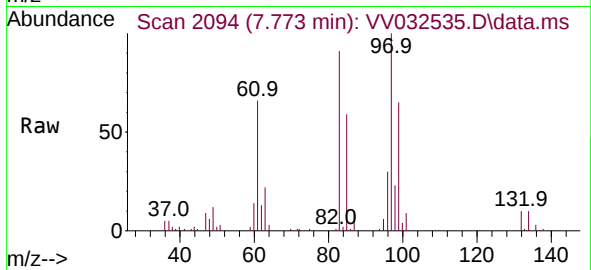




#45
1,1,2-Trichloroethane
Concen: 5.093 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

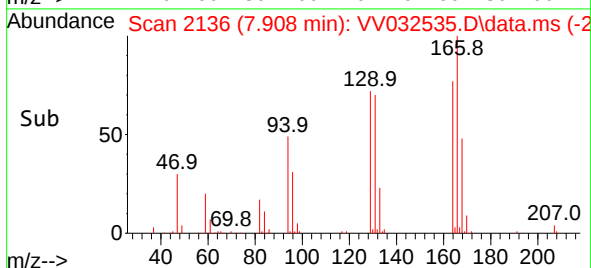
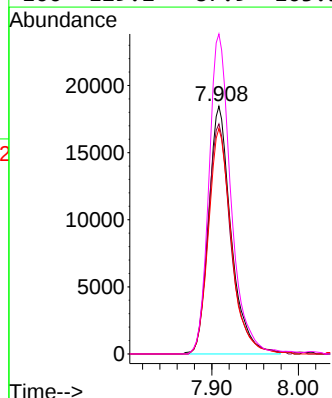
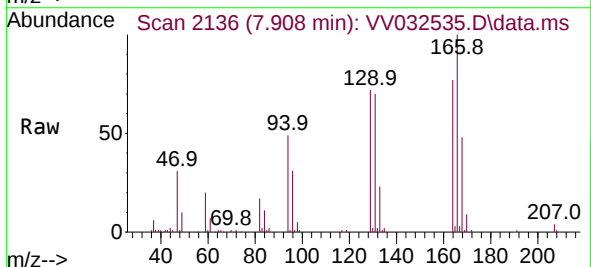
Instrument :
MSVOA_V
ClientSampleId :

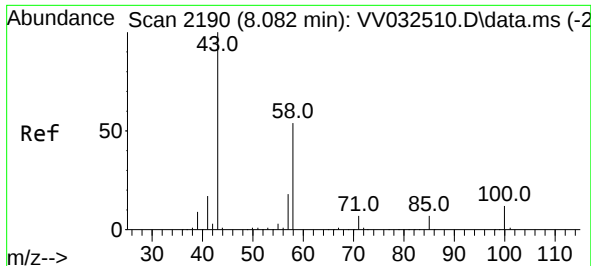
Tgt Ion:	97	Resp:	32313
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.8	79.4
83	90.6	60.9	113.1
85	58.9	39.4	73.2



#47
Tetrachloroethene
Concen: 4.787 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion:	164	Resp:	33331
Ion	Ratio	Lower	Upper
164	100		
129	92.9	66.4	123.4
131	91.1	63.7	118.3
166	129.2	87.9	163.3



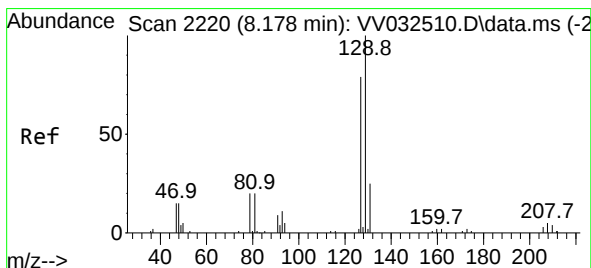
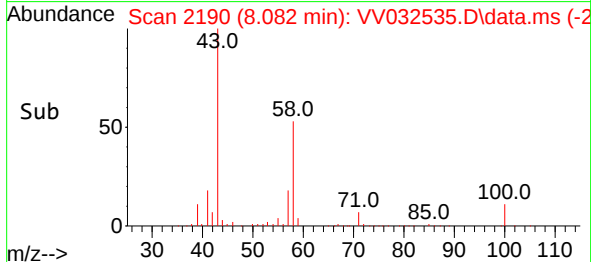
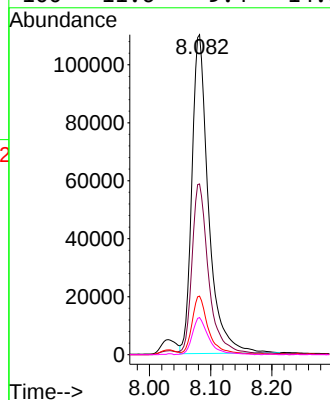
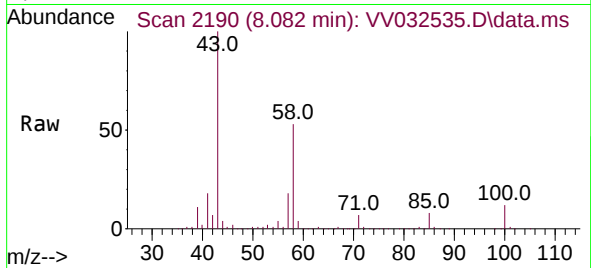


#48
2-Hexanone
Concen: 51.768 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 207893

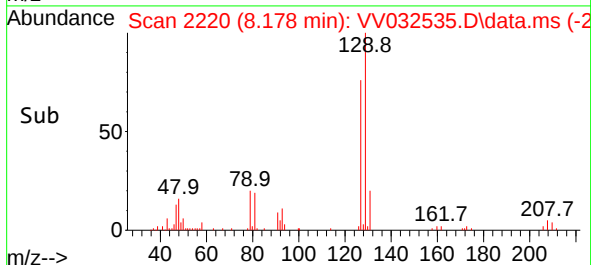
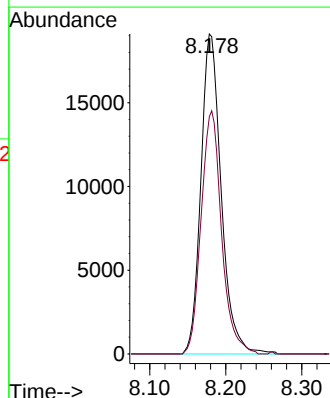
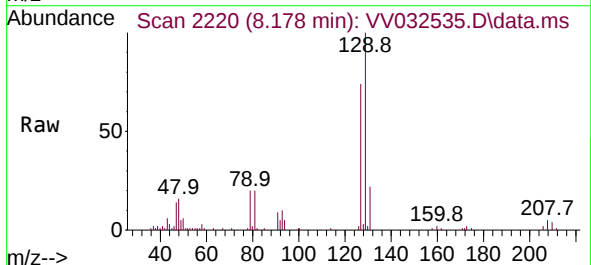
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.6	65.4
57	17.8	14.6	22.0
100	11.6	9.4	14.0

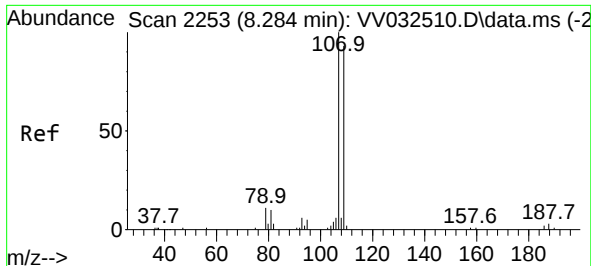


#49
Dibromochloromethane
Concen: 5.375 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 129 Resp: 35504

Ion	Ratio	Lower	Upper
129	100		
127	74.1	57.2	106.2





#50

1,2-Dibromoethane

Concen: 5.102 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032535.D

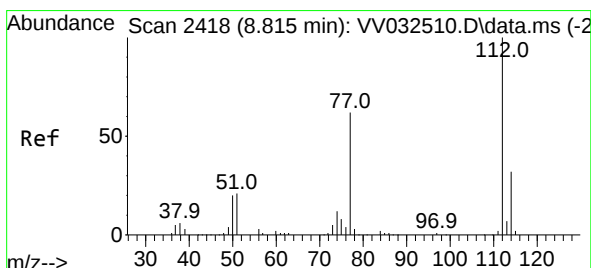
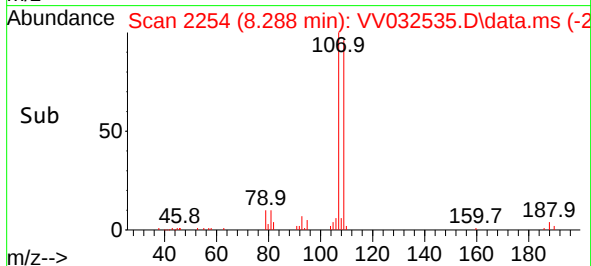
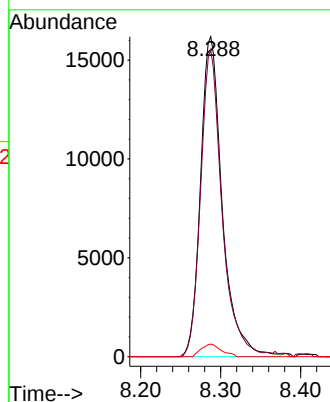
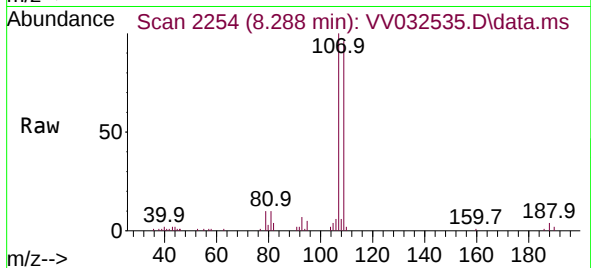
Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	30615
Ion Ratio	Lower	Upper
107	100	
109	95.9	68.4 127.0
188	4.0	3.2 4.8



#51

Chlorobenzene

Concen: 4.941 ug/L

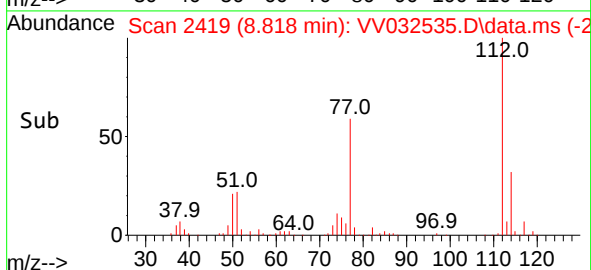
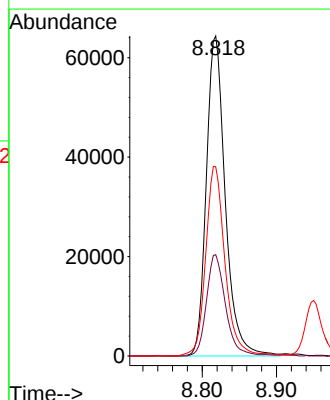
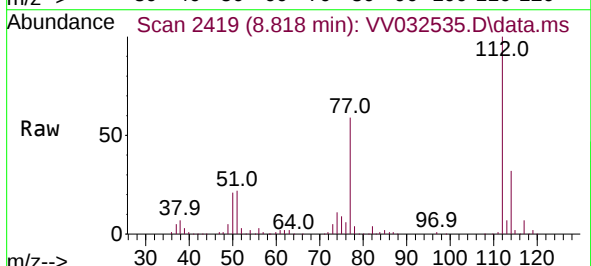
RT: 8.818 min Scan# 2419

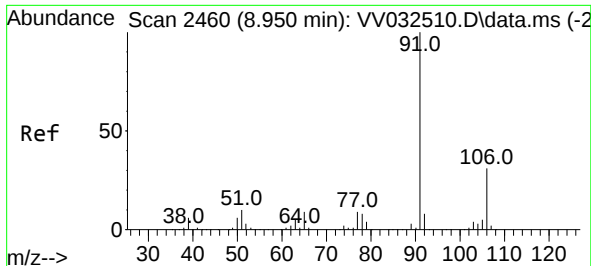
Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Tgt Ion:112	Resp:	114055
Ion Ratio	Lower	Upper
112	100	
114	31.6	22.1 41.1
77	59.1	46.1 69.1

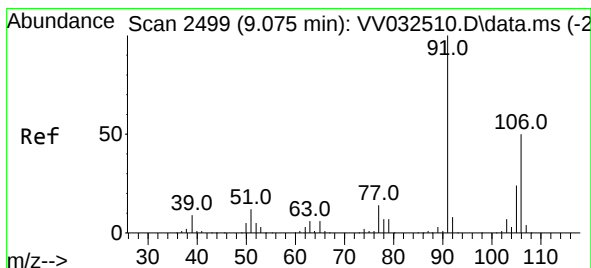
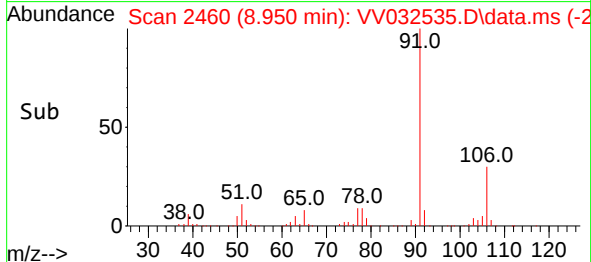
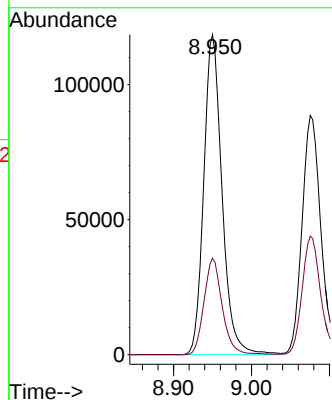
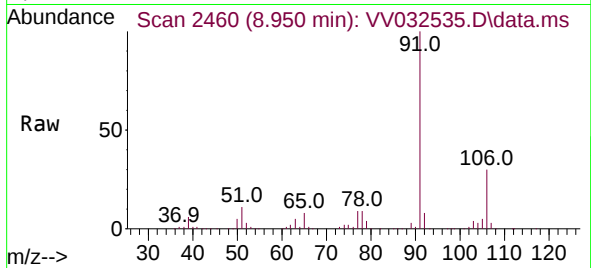




#52
Ethylbenzene
Concen: 4.832 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

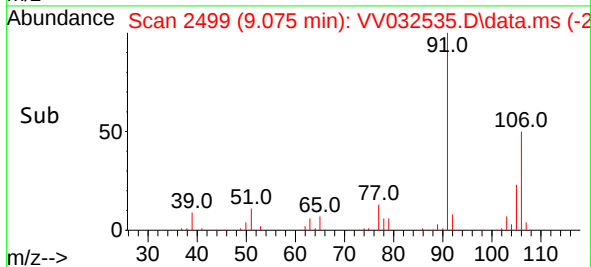
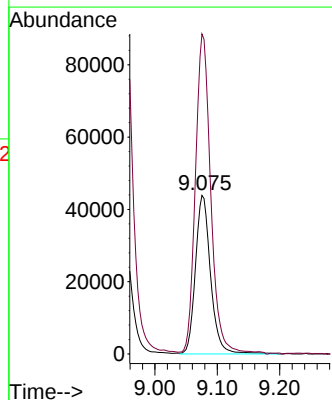
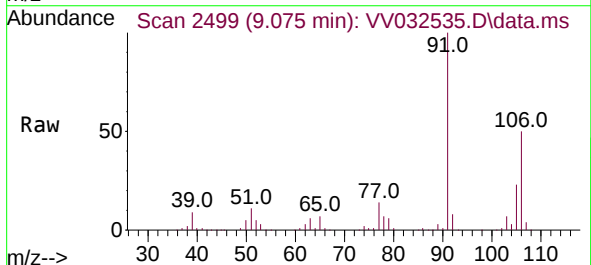
Instrument :
MSVOA_V
ClientSampleId :

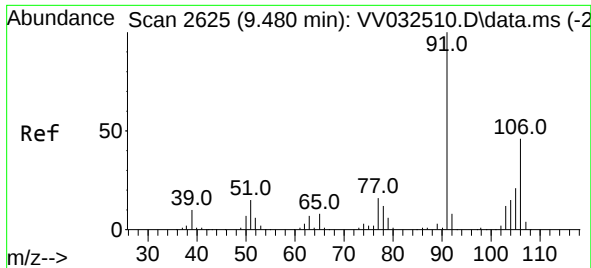
Tgt Ion: 91 Resp: 192906
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5



#53
m,p-Xylene
Concen: 5.004 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 106 Resp: 74088
Ion Ratio Lower Upper
106 100
91 201.7 144.5 268.3

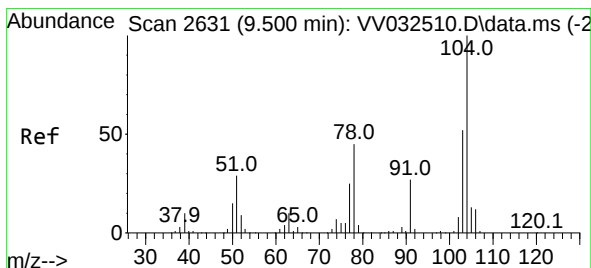
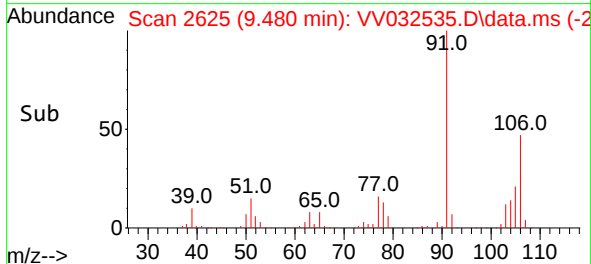
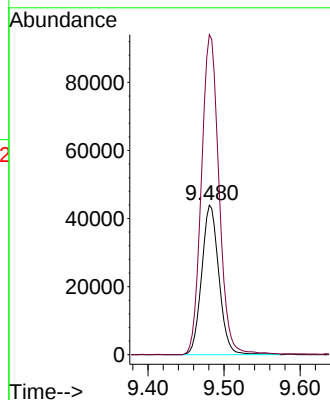
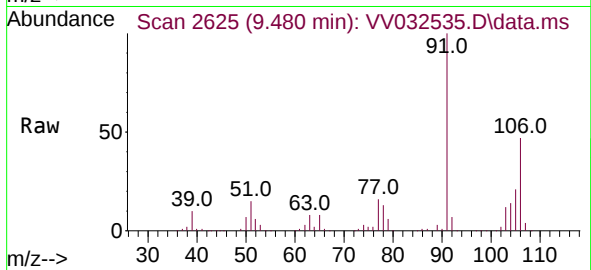




#54
o-Xylene
Concen: 4.843 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

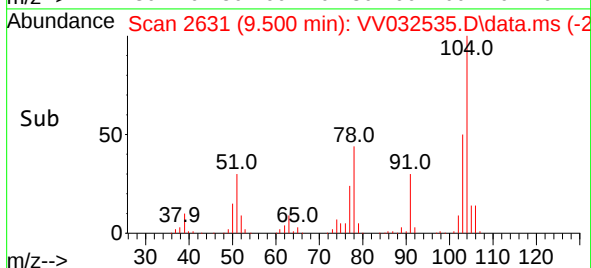
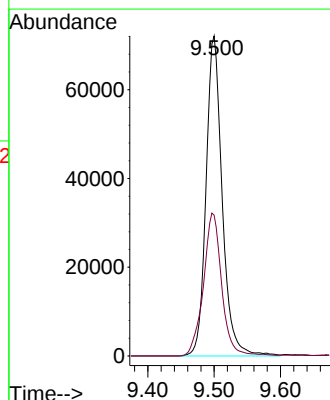
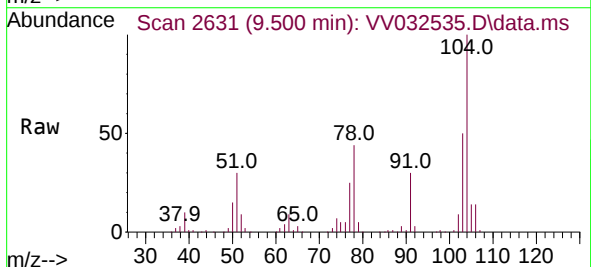
Instrument :
MSVOA_V
ClientSampleId :

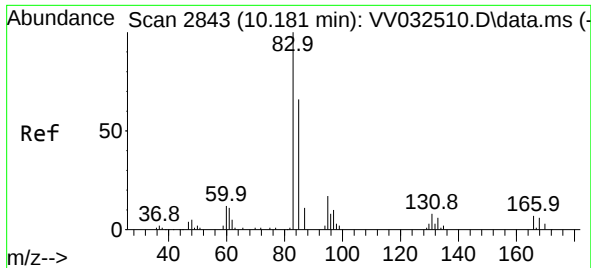
Tgt Ion:106 Resp: 69102
Ion Ratio Lower Upper
106 100
91 213.9 154.8 287.4



#55
Styrene
Concen: 5.063 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion:104 Resp: 122002
Ion Ratio Lower Upper
104 100
78 44.0 29.9 55.5

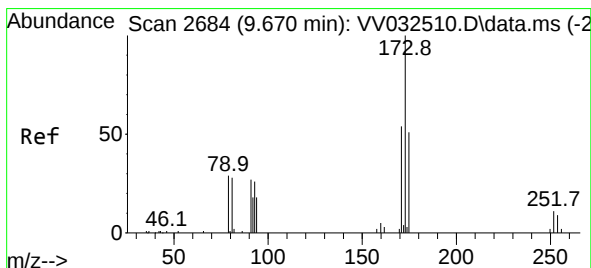
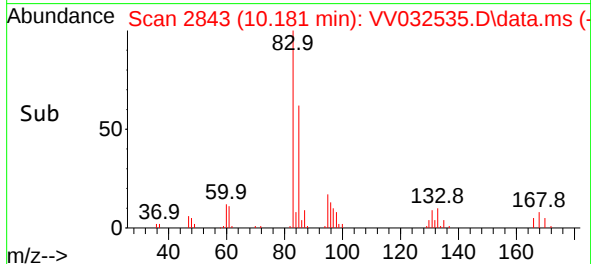
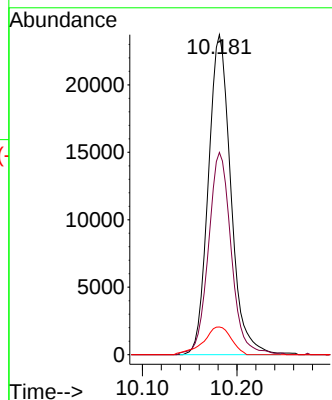
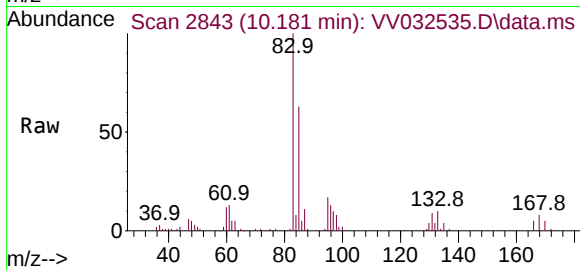




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.602 ug/L
 RT: 10.181 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

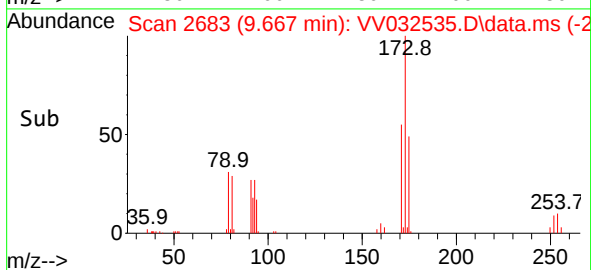
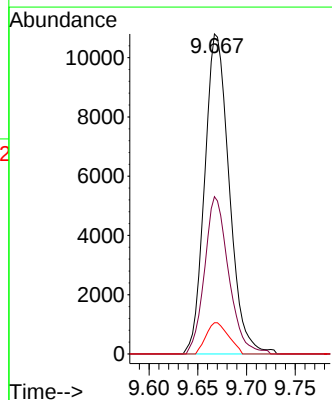
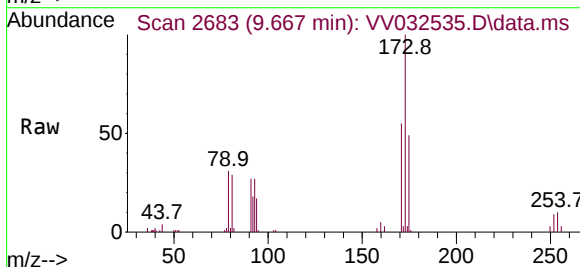
Instrument :
 MSVOA_V
 ClientSampleId :

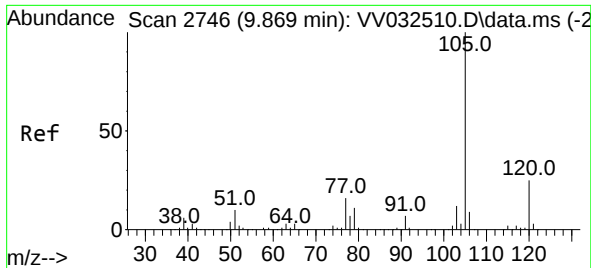
Tgt Ion:	83	Resp:	39106
Ion	Ratio	Lower	Upper
83	100		
85	63.2	43.6	81.0
131	8.6	7.0	10.6



#59
 Bromoform
 Concen: 5.047 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. -0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion:	173	Resp:	18925
Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.2	57.2
254	8.9	7.0	10.4

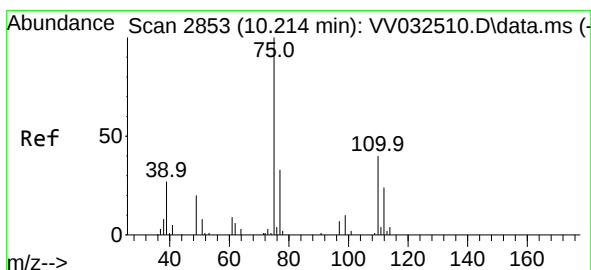
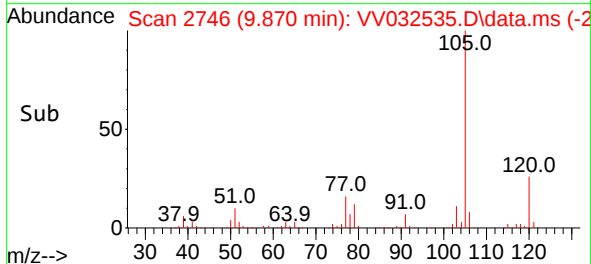
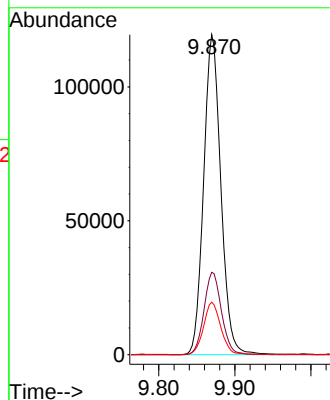
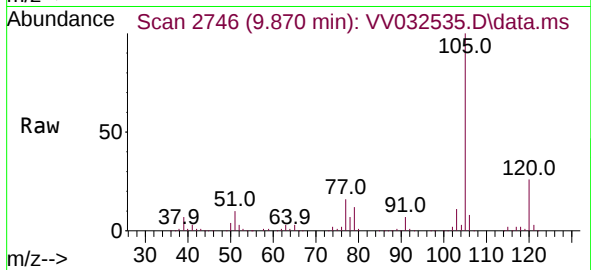




#60
Isopropylbenzene
Concen: 4.693 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

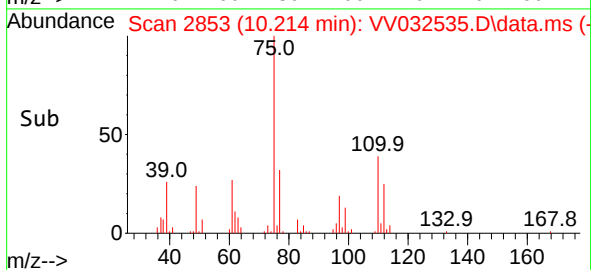
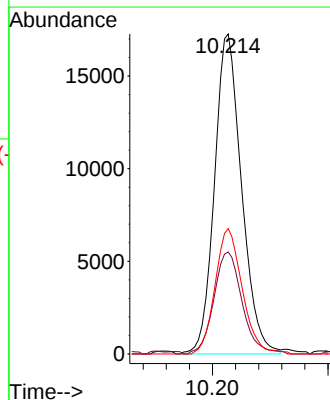
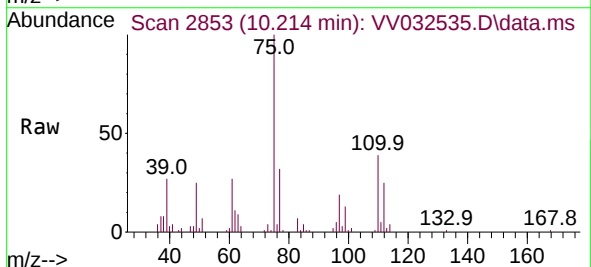
Instrument :
MSVOA_V
ClientSampleId :

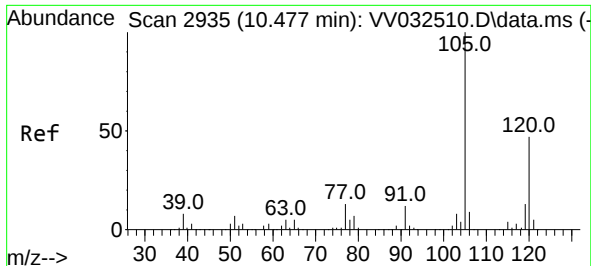
Tgt Ion:105 Resp: 188074
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.115 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 75 Resp: 28070
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 39.4 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.367 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032535.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_V

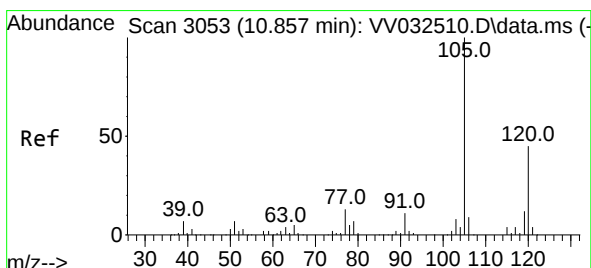
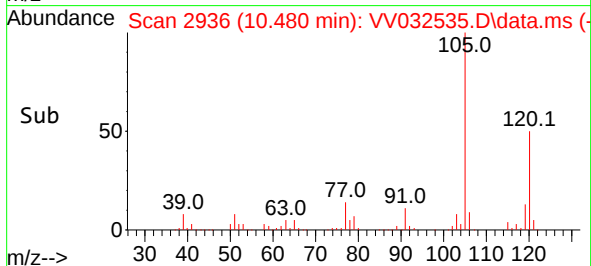
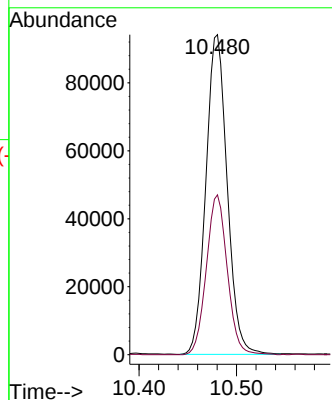
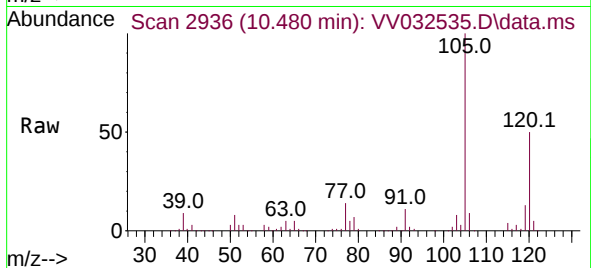
ClientSampleId :

Tgt Ion:105 Resp: 142638

Ion Ratio Lower Upper

105 100

120 49.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.474 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VV032535.D

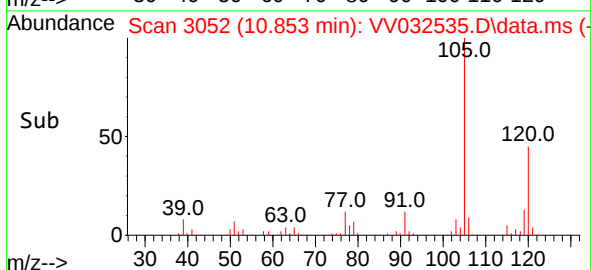
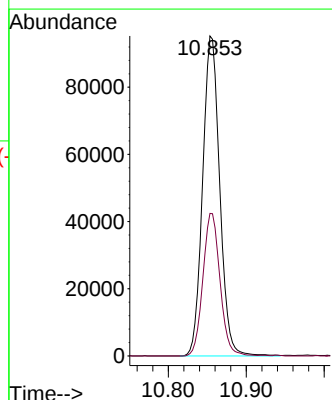
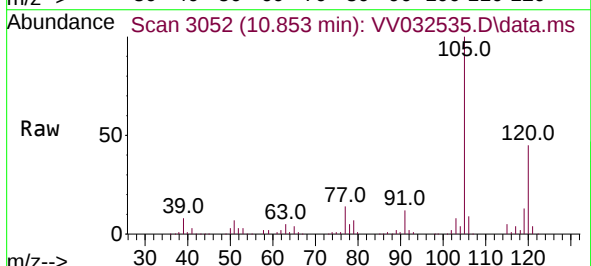
Acq: 20 Oct 2023 19:51

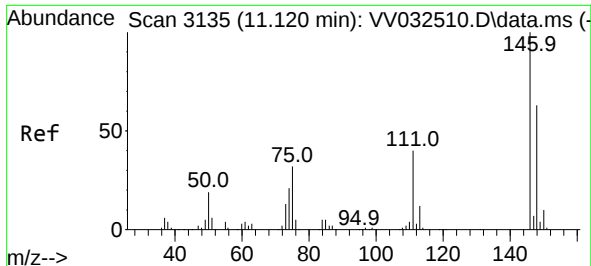
Tgt Ion:105 Resp: 145464

Ion Ratio Lower Upper

105 100

120 44.5 36.2 54.4

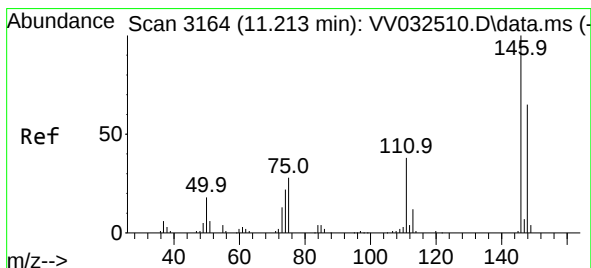
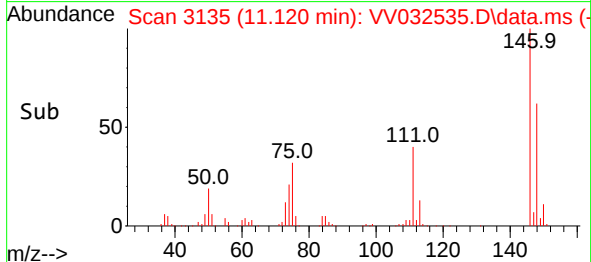
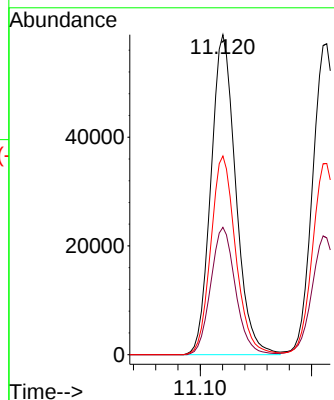
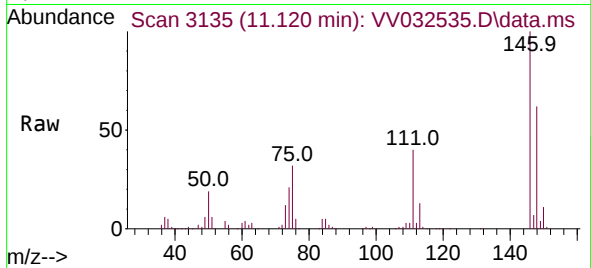




#64
1,3-Dichlorobenzene
Concen: 4.762 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

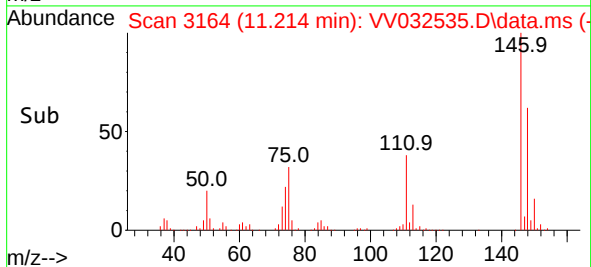
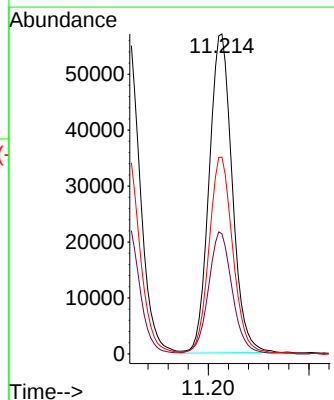
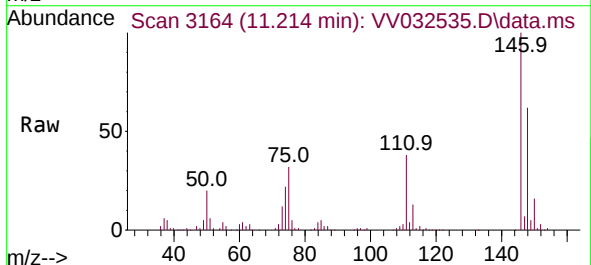
Instrument :
MSVOA_V
ClientSampleId :

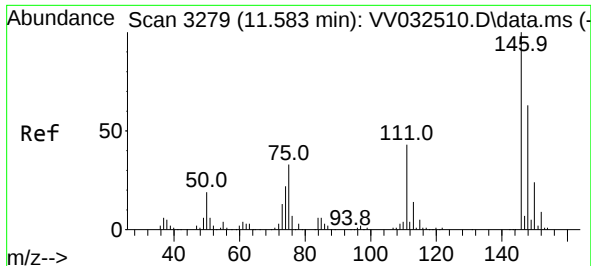
Tgt Ion:146 Resp: 91153
Ion Ratio Lower Upper
146 100
111 39.8 27.8 51.6
148 62.1 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.728 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion:146 Resp: 90807
Ion Ratio Lower Upper
146 100
111 37.5 26.9 49.9
148 61.5 44.8 83.2

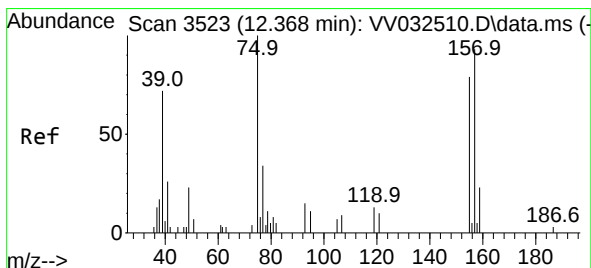
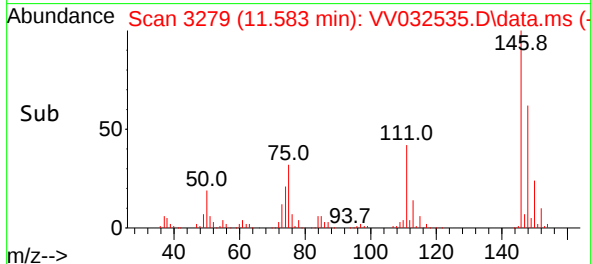
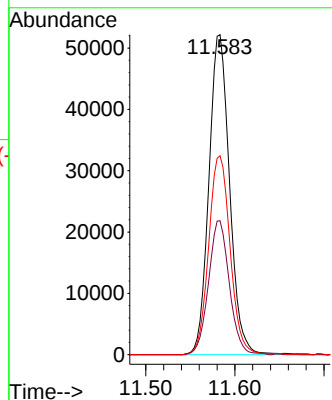
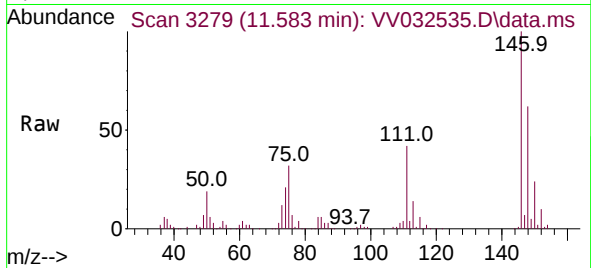




#67
1,2-Dichlorobenzene
Concen: 4.809 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

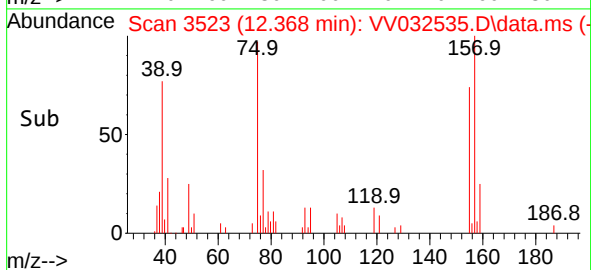
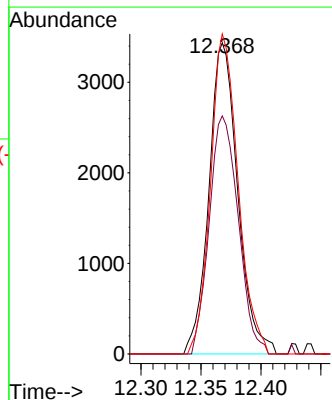
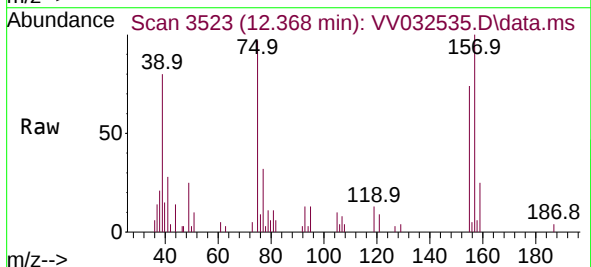
Instrument :
MSVOA_V
ClientSampleId :

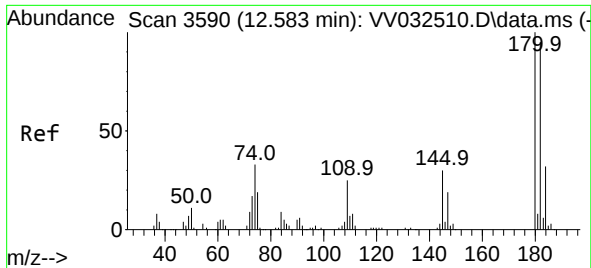
Tgt Ion:146 Resp: 83959
Ion Ratio Lower Upper
146 100
111 41.8 32.8 49.2
148 62.2 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 5.120 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

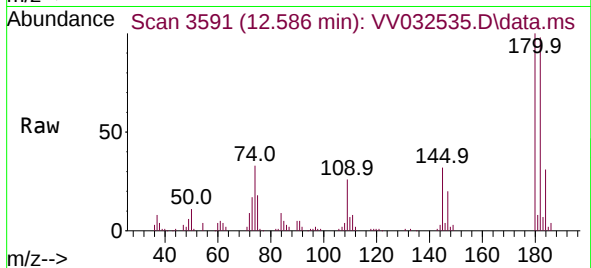
Tgt Ion: 75 Resp: 5741
Ion Ratio Lower Upper
75 100
155 76.5 70.2 105.4
157 102.8 90.6 135.8



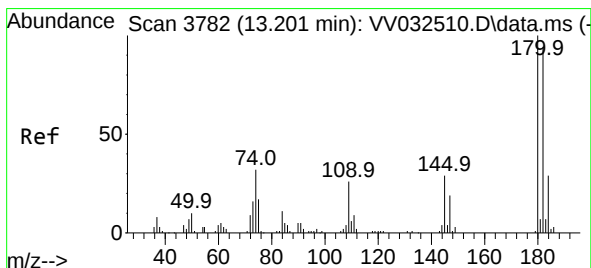
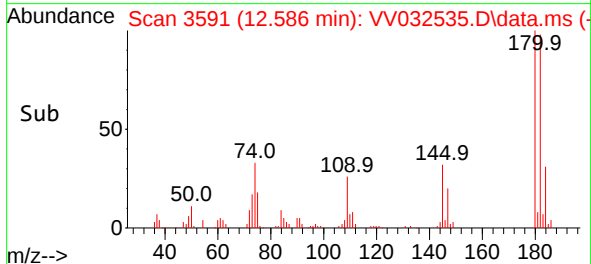
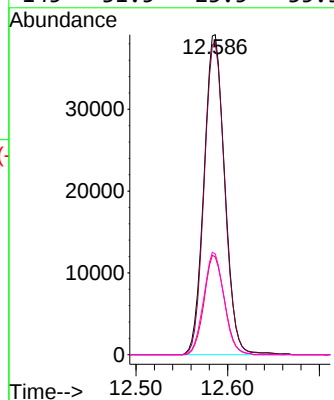


#69
 1,3,5-Trichlorobenzene
 Concen: 4.388 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.003 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Instrument :
 MSVOA_V
 ClientSampleId :

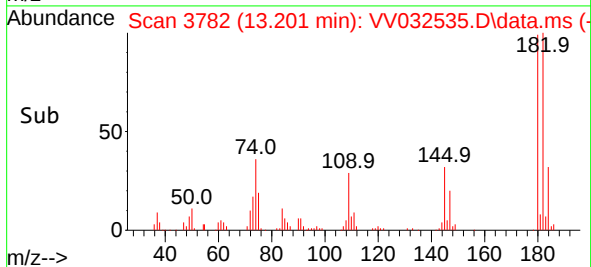
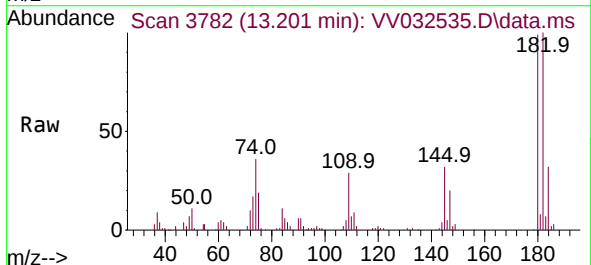
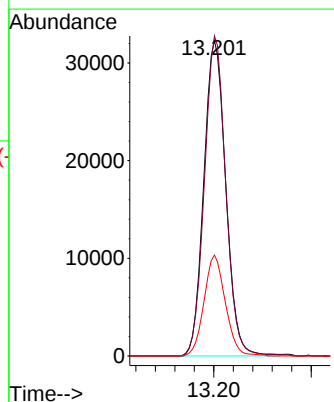


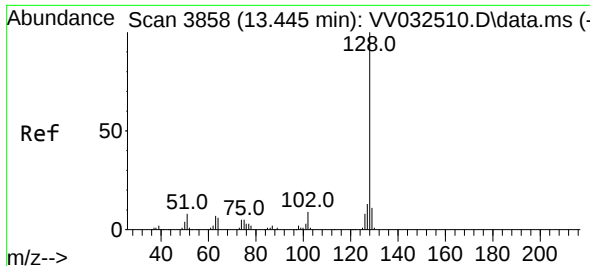
Tgt Ion:180 Resp: 61510
 Ion Ratio Lower Upper
 180 100
 182 96.8 74.6 112.0
 184 30.4 24.1 36.1
 145 31.5 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.062 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032535.D
 Acq: 20 Oct 2023 19:51

Tgt Ion:180 Resp: 50511
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.5 114.7
 145 31.0 24.3 36.5

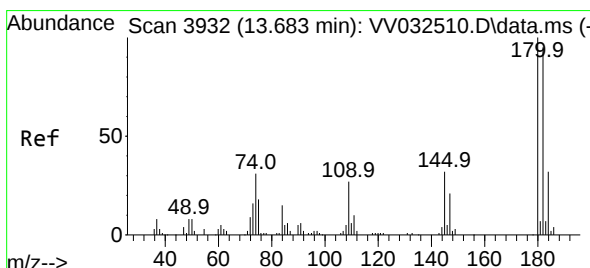
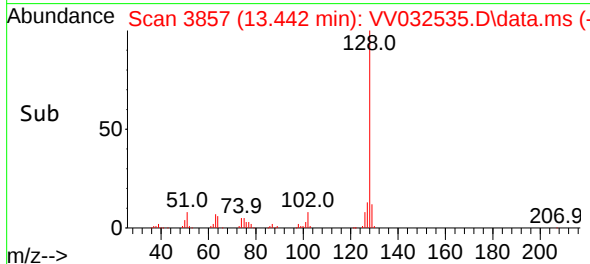
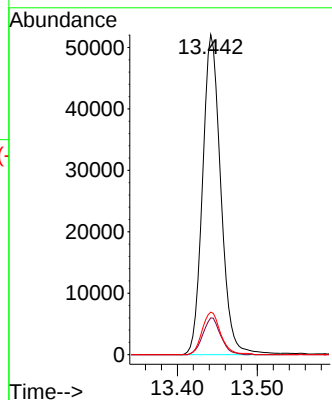
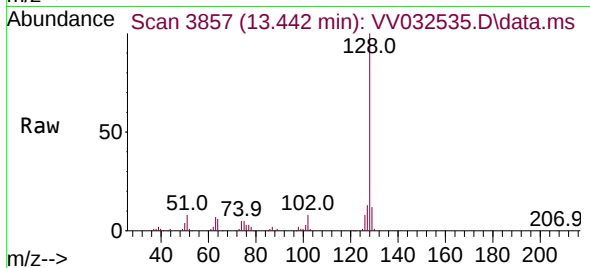




#71
Naphthalene
Concen: 3.923 ug/L
RT: 13.442 min Scan# 3858
Delta R.T. -0.003 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 82861
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.5 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.415 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032535.D
Acq: 20 Oct 2023 19:51

Tgt Ion:180 Resp: 47300
Ion Ratio Lower Upper
180 100
182 96.9 77.0 115.4
145 34.0 25.7 38.5

