

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122823\
 Data File : VW033541.D
 Acq On : 28 Dec 2023 10:17
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 29 02:40:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 29 02:38:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	130175	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	121680	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	60587	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	7399	0.907	ug/L	0.00
7) Chloroethane-d5	1.532	69	6670	0.965	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3623	1.003	ug/L	0.00
20) 2-Butanone-d5	3.870	46	6358	3.145	ug/L	0.05
24) Chloroform-d	4.256	84	15773	0.953	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	6883	0.914	ug/L	0.00
32) Benzene-d6	4.969	84	29059	0.933	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	9085	0.929	ug/L	0.00
41) Toluene-d8	7.249	98	25160	0.913	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3687	0.938	ug/L	0.01
46) 2-Hexanone-d5	8.043	63	13360	8.533	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.156	84	6787	1.040	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	9235	0.951	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	10618	0.921	ug/L	100
3) Chloromethane	1.214	50	11941	0.964	ug/L	99
5) Vinyl chloride	1.281	62	11529	0.961	ug/L	98
6) Bromomethane	1.487	94	6078	0.901	ug/L	97
8) Chloroethane	1.552	64	6980	0.944	ug/L	92
9) Trichlorofluoromethane	1.716	101	14143	0.961	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8232	0.926	ug/L	96
12) 1,1-Dichloroethene	2.072	96	7520	0.928	ug/L	88
13) Acetone	2.153	43	13288	7.265	ug/L	85
14) Carbon disulfide	2.243	76	23182	0.942	ug/L	99
15) Methyl Acetate	2.397	43	2426	0.533	ug/L #	90
16) Methylene chloride	2.449	84	9641	0.958	ug/L	99
17) Methyl tert-butyl Ether	2.709	73	22075	0.988	ug/L #	93
18) trans-1,2-Dichloroethene	2.699	96	8641	0.959	ug/L	95
19) 1,1-Dichloroethane	3.117	63	18597	0.948	ug/L	98
21) 2-Butanone	3.873	43	153	0.065	ug/L #	77
22) cis-1,2-Dichloroethene	3.825	96	9813	0.960	ug/L	98
23) Bromochloromethane	4.162	128	3722	0.944	ug/L	93
25) Chloroform	4.285	83	17249	0.939	ug/L	100
27) 1,2-Dichloroethane	5.056	62	9955	0.933	ug/L	97
29) 1,1,1-Trichloroethane	4.519	97	15000	0.919	ug/L	99
30) Cyclohexane	4.584	56	17059	0.974	ug/L	98
31) Carbon tetrachloride	4.738	117	12497	0.936	ug/L	100
33) Benzene	5.018	78	38004	0.961	ug/L	100
34) Trichloroethene	5.841	95	10718	1.004	ug/L	97
35) Methylcyclohexane	6.053	83	15678	0.925	ug/L	97
37) 1,2-Dichloropropane	6.101	63	9796	0.933	ug/L #	96
38) Bromodichloromethane	6.439	83	12577	0.973	ug/L	99
39) cis-1,3-Dichloropropene	6.966	75	15008	0.951	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	54528	9.640	ug/L	99
42) Toluene	7.323	91	40062	0.947	ug/L	98
44) trans-1,3-Dichloropropene	7.596	75	10981	0.894	ug/L	96

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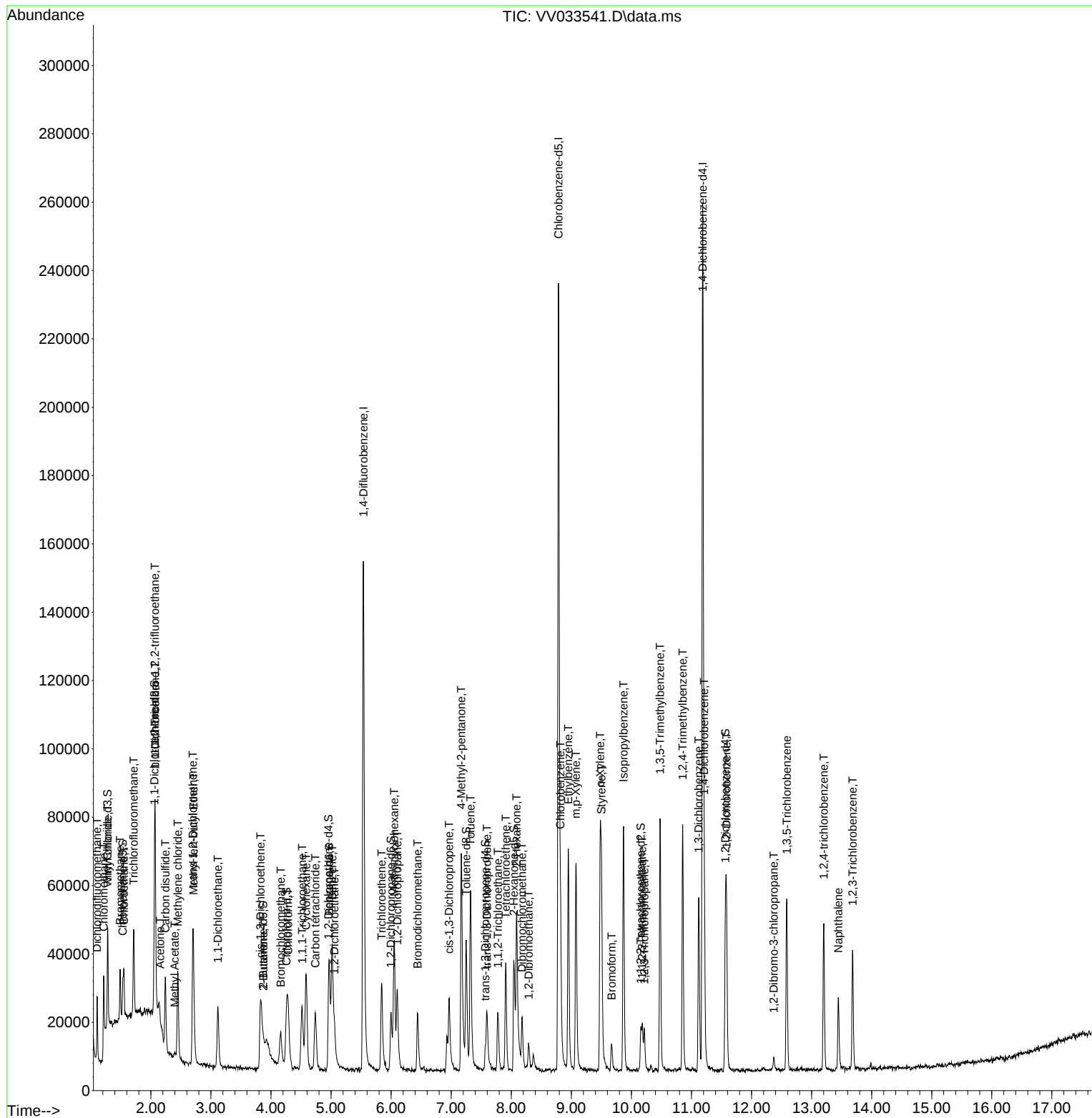
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	6011	0.951	ug/L	96
47) Tetrachloroethene	7.908	164	7092	0.943	ug/L	98
48) 2-Hexanone	8.088	43	35760	8.702	ug/L	97
49) Dibromochloromethane	8.182	129	6972	0.942	ug/L	98
50) 1,2-Dibromoethane	8.291	107	5637	0.956	ug/L #	98
51) Chlorobenzene	8.818	112	25367	0.957	ug/L	97
52) Ethylbenzene	8.950	91	47599	0.957	ug/L	97
53) m,p-Xylene	9.079	106	17892	0.972	ug/L	92
54) o-Xylene	9.480	106	16766	0.939	ug/L	98
55) Styrene	9.503	104	28308	0.945	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	7670	1.096	ug/L #	98
59) Bromoform	9.670	173	3461	0.906	ug/L #	97
60) Isopropylbenzene	9.870	105	47067	0.972	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	4977	0.995	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	39671	0.978	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	38659	0.963	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	19947	0.970	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	20895	0.996	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	17597	0.972	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	976	0.833	ug/L	90
69) 1,3,5-Trichlorobenzene	12.586	180	15351	0.968	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	13046	0.982	ug/L	97
71) Naphthalene	13.445	128	17410	0.939	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	9759	0.931	ug/L	95

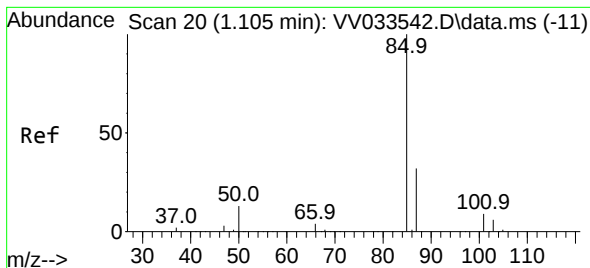
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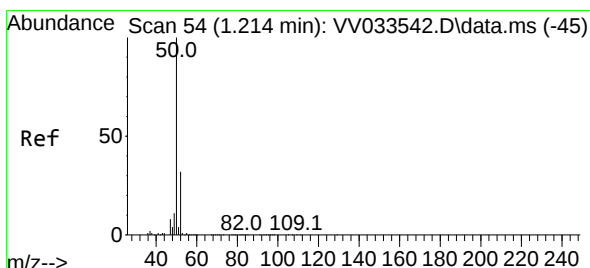
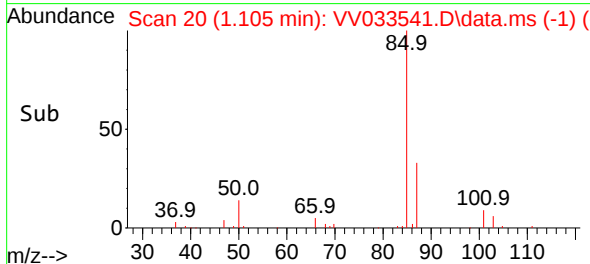
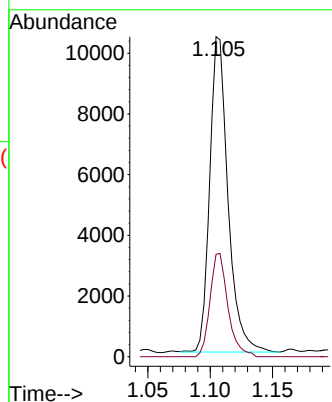
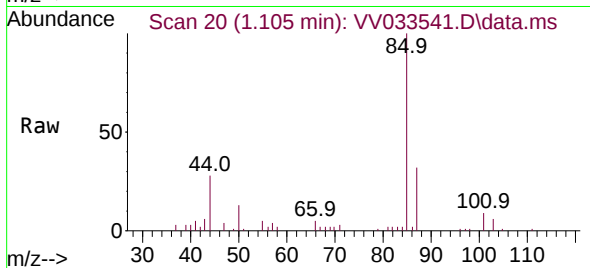




#2
 Dichlorodifluoromethane
 Concen: 0.921 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

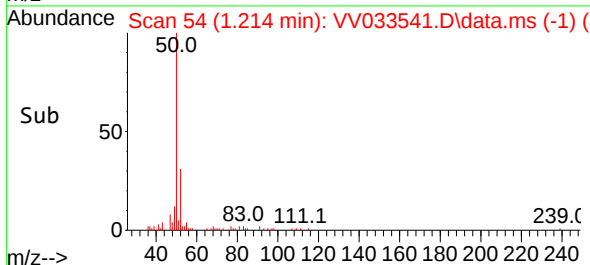
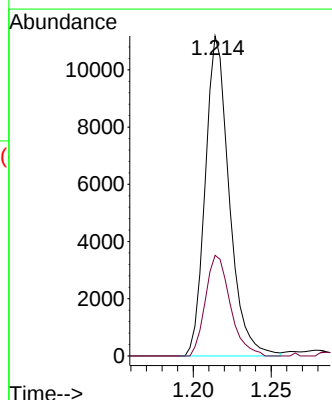
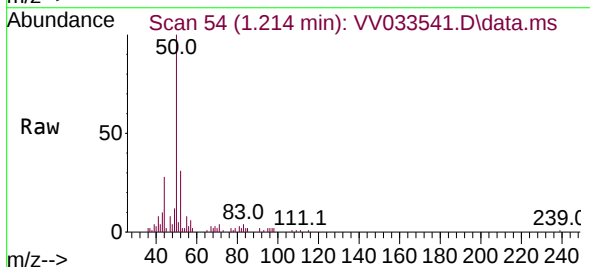
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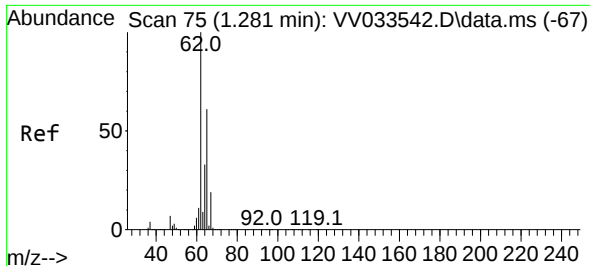
Tgt Ion: 85 Resp: 10618
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.6 38.4



#3
 Chloromethane
 Concen: 0.964 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

Tgt Ion: 50 Resp: 11941
 Ion Ratio Lower Upper
 50 100
 52 31.4 22.5 41.9

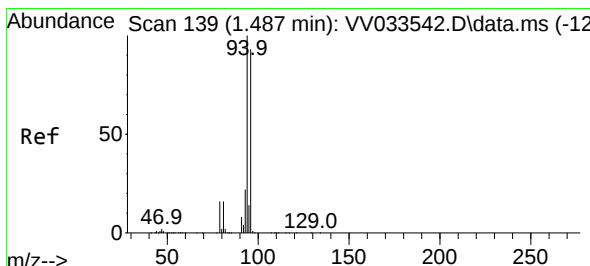
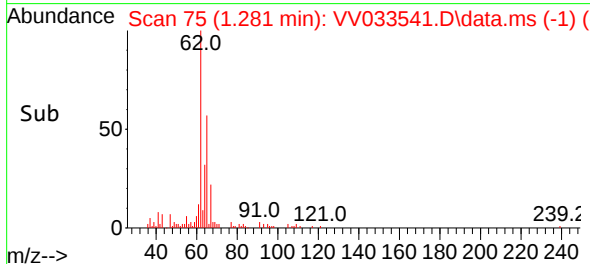
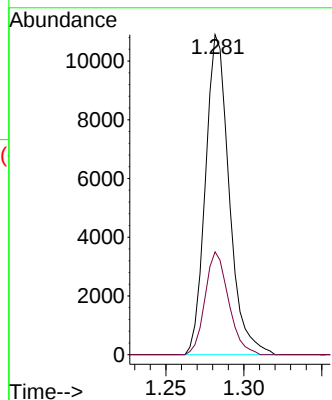
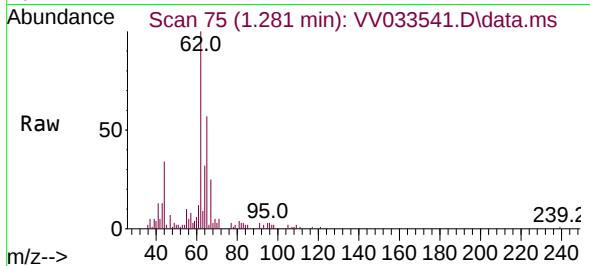




#5
 Vinyl chloride
 Concen: 0.961 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

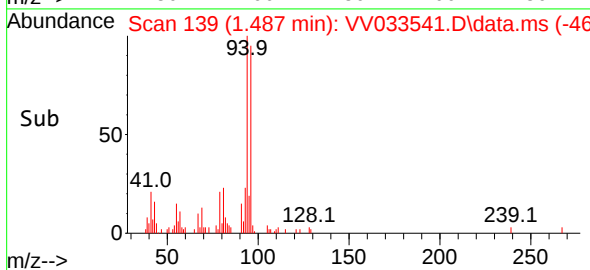
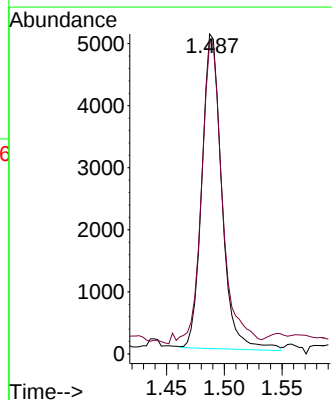
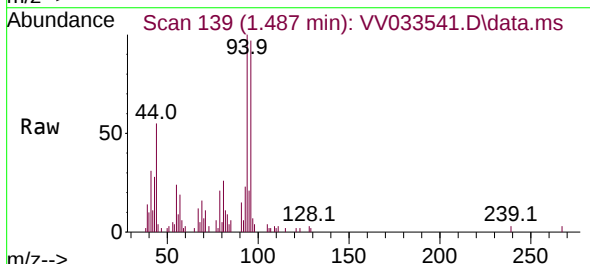
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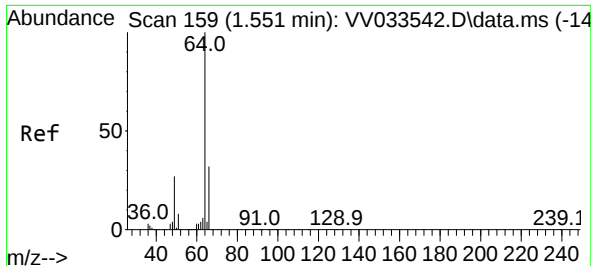
Tgt Ion: 62 Resp: 11529
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.3 43.3



#6
 Bromomethane
 Concen: 0.901 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

Tgt Ion: 94 Resp: 6078
 Ion Ratio Lower Upper
 94 100
 96 97.5 66.1 122.7

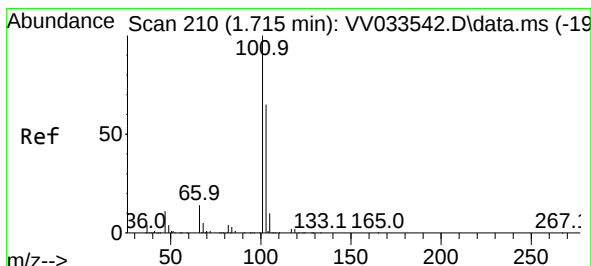
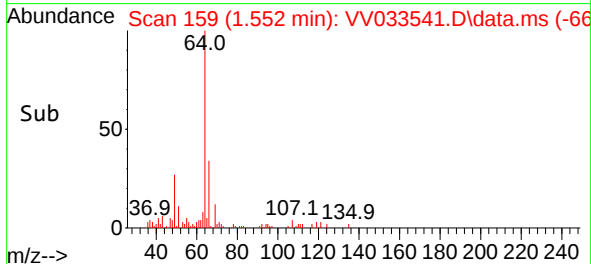
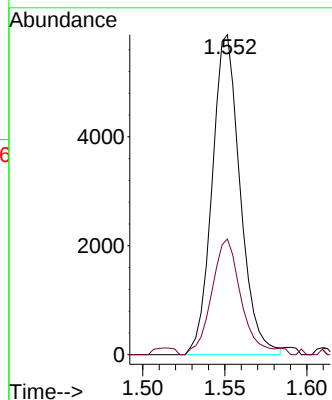
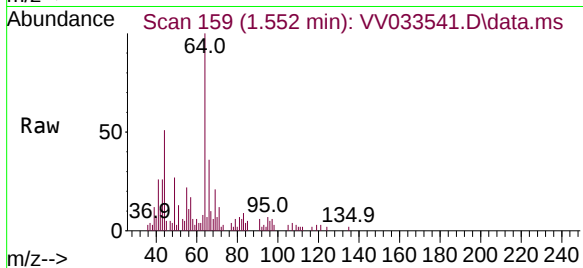




#8
Chloroethane
Concen: 0.944 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

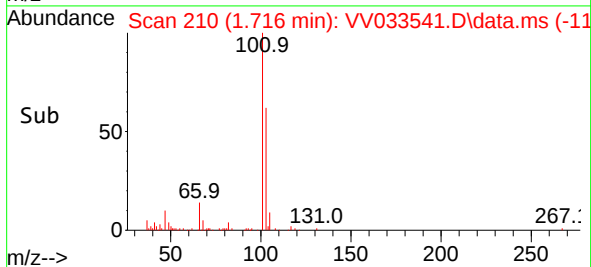
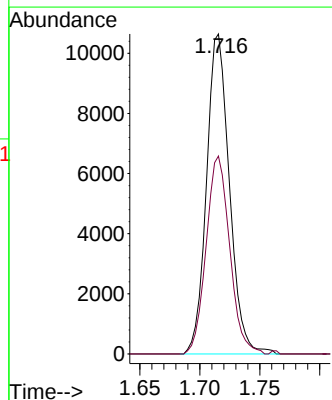
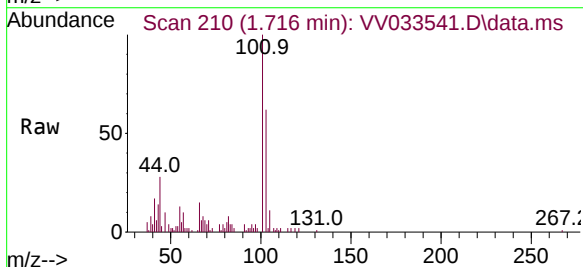
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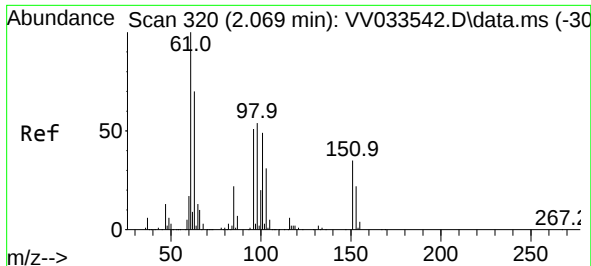
Tgt Ion: 64 Resp: 6980
Ion Ratio Lower Upper
64 100
66 36.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.961 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion: 101 Resp: 14143
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.2

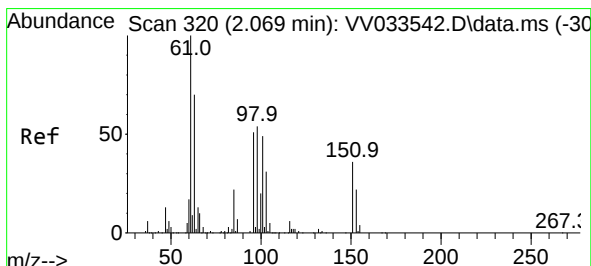
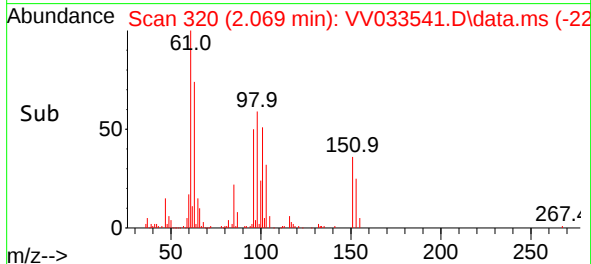
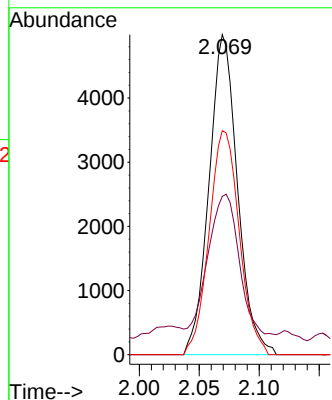
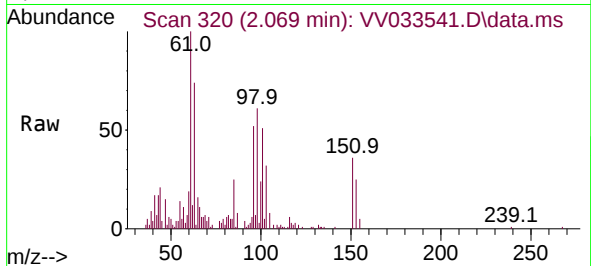




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.926 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

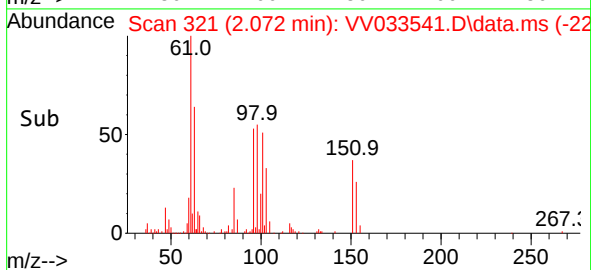
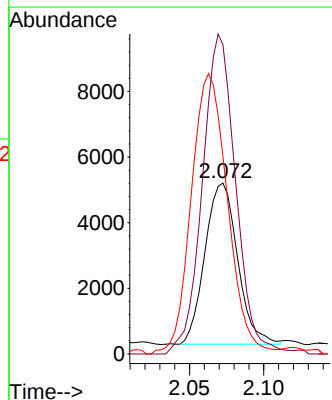
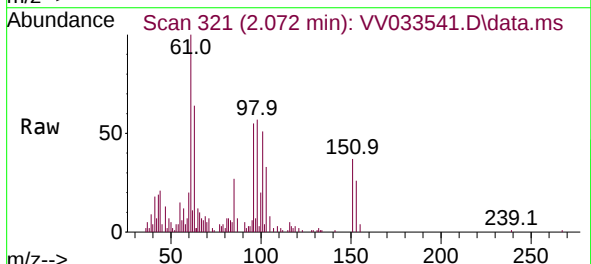
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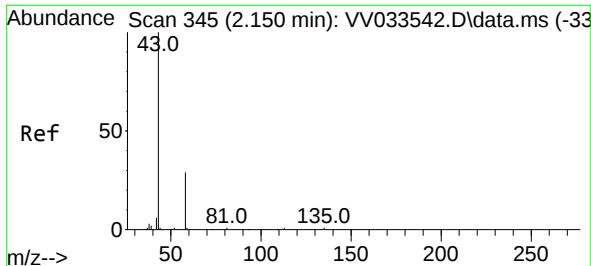
Tgt Ion:101 Resp: 8232
 Ion Ratio Lower Upper
 101 100
 85 50.7 36.9 55.3
 151 74.1 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 0.928 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

Tgt Ion: 96 Resp: 7520
 Ion Ratio Lower Upper
 96 100
 61 181.0 135.9 252.5
 63 115.8 95.3 176.9





#13

Acetone

Concen: 7.265 ug/L

RT: 2.153 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

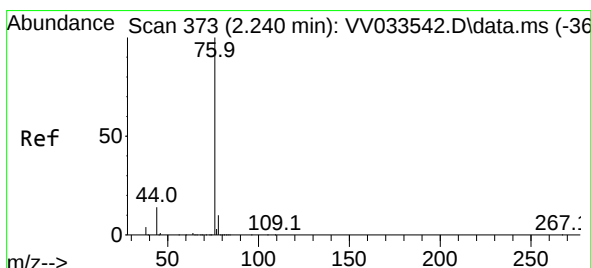
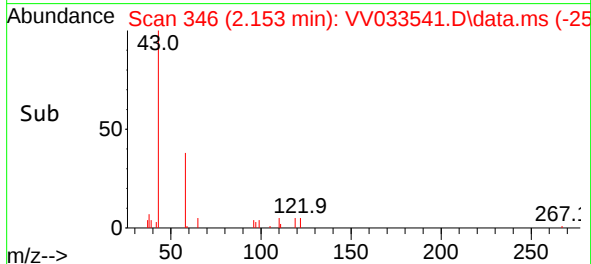
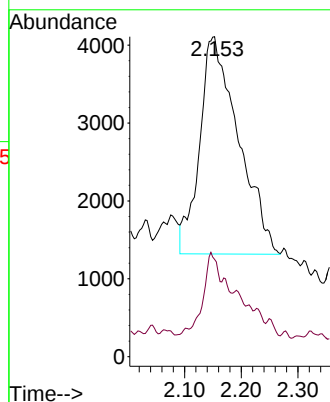
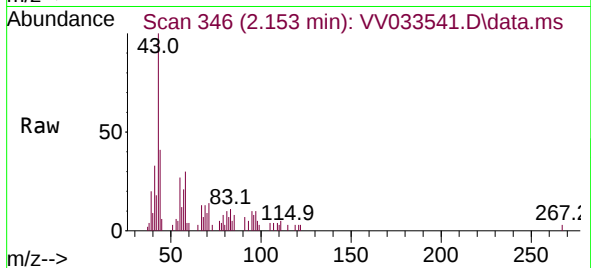
ClientSampleId :

Tgt Ion: 43 Resp: 13288

Ion Ratio Lower Upper

43 100

58 15.7 0.0 45.8



#14

Carbon disulfide

Concen: 0.942 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033541.D

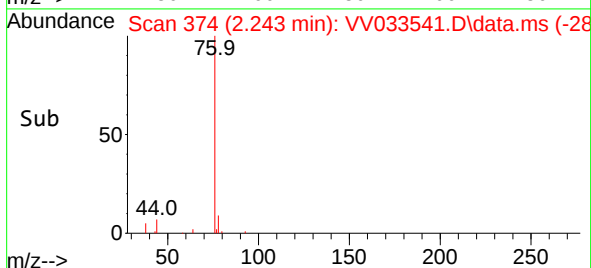
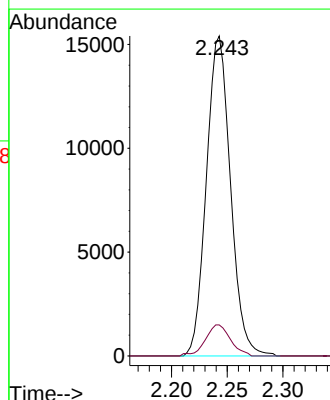
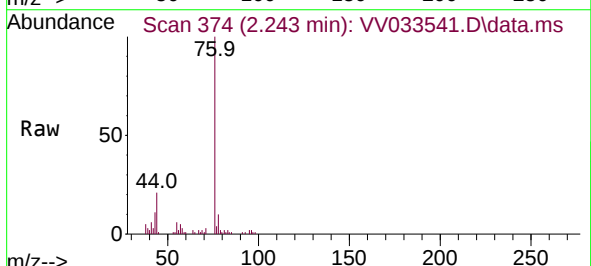
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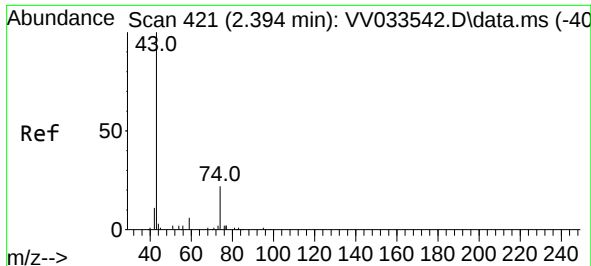
Tgt Ion: 76 Resp: 23182

Ion Ratio Lower Upper

76 100

78 9.7 8.1 12.1

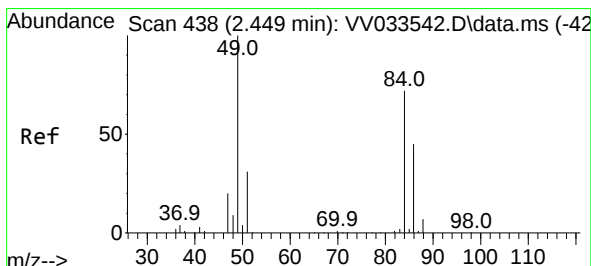
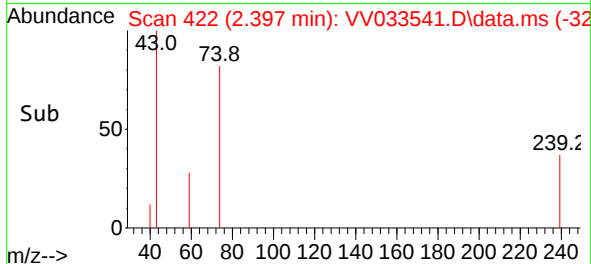
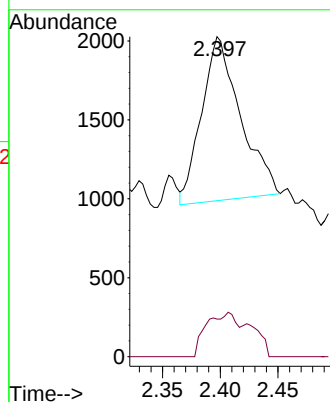
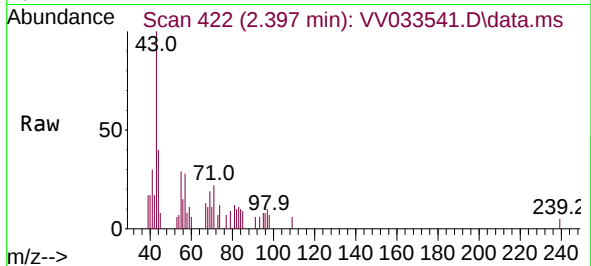




#15
Methyl Acetate
Concen: 0.533 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

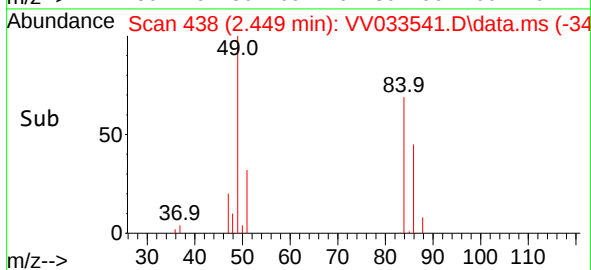
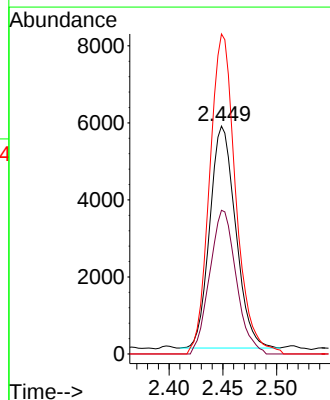
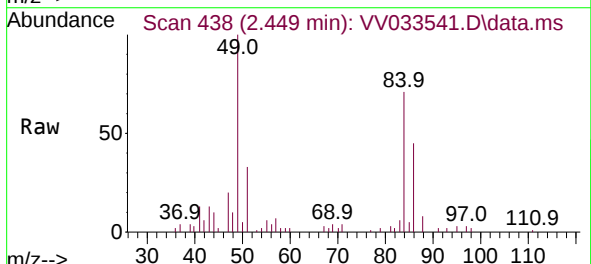
Instrument :
MSVOA_V
ClientSampleId :

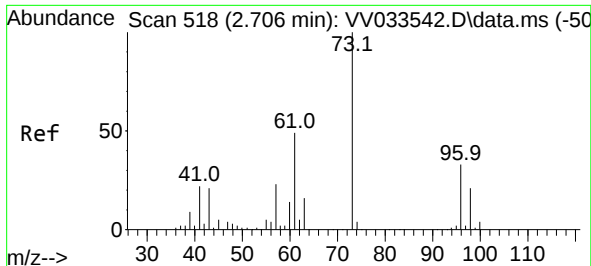
Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
74 21.1 13.5 20.3#



#16
Methylene chloride
Concen: 0.958 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion: 84 Resp: 9641
Ion Ratio Lower Upper
84 100
86 63.1 43.8 81.3
49 140.4 97.4 180.8





#17

Methyl tert-butyl Ether

Concen: 0.988 ug/L

RT: 2.709 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

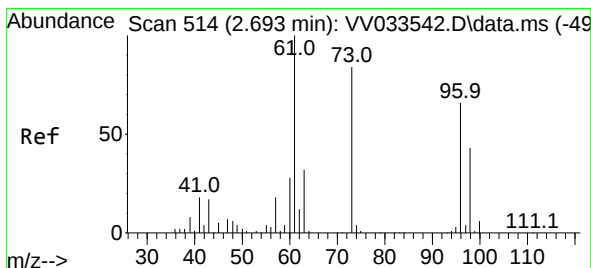
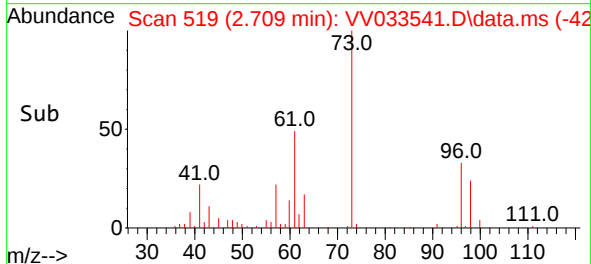
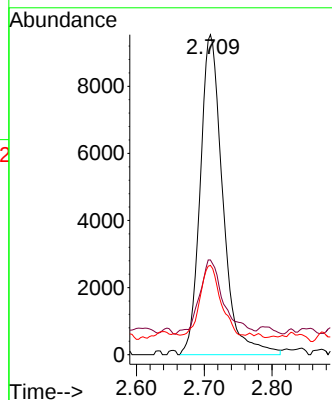
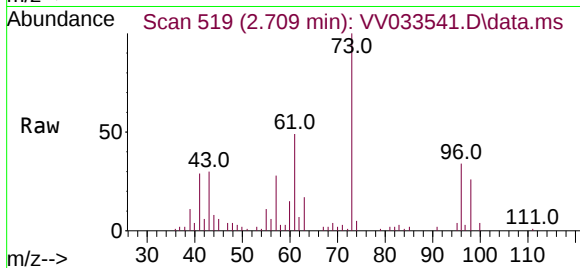
Tgt Ion: 73 Resp: 22075

Ion Ratio Lower Upper

73 100

43 24.7 16.5 24.7#

57 20.0 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 0.959 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

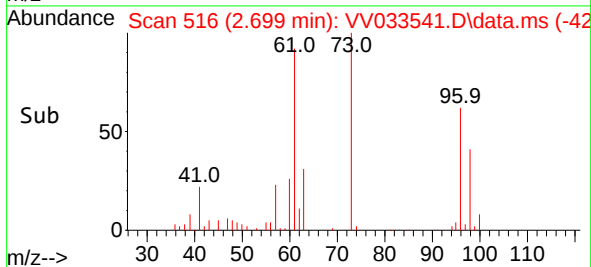
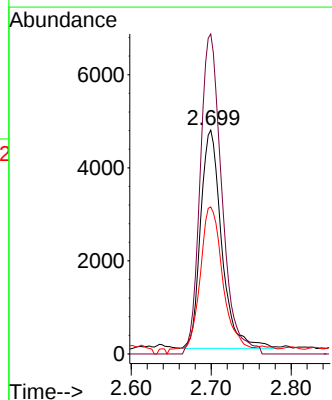
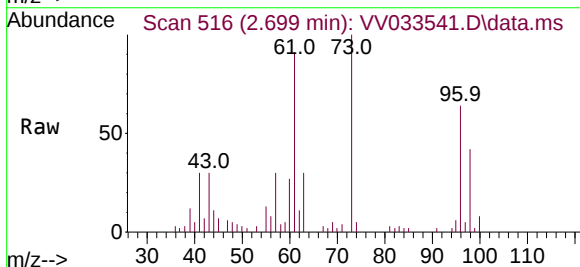
Tgt Ion: 96 Resp: 8641

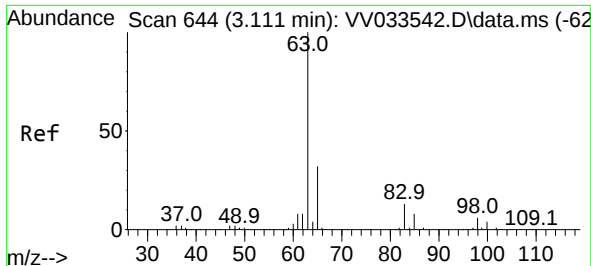
Ion Ratio Lower Upper

96 100

61 143.0 106.0 196.9

98 65.7 46.1 85.7





#19

1,1-Dichloroethane

Concen: 0.948 ug/L

RT: 3.117 min Scan# 644

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

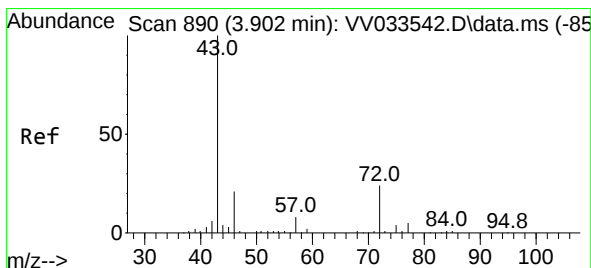
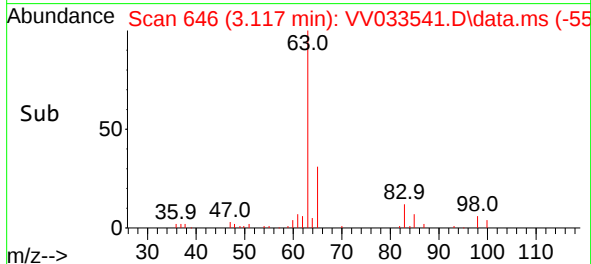
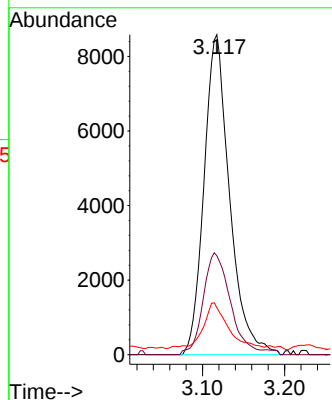
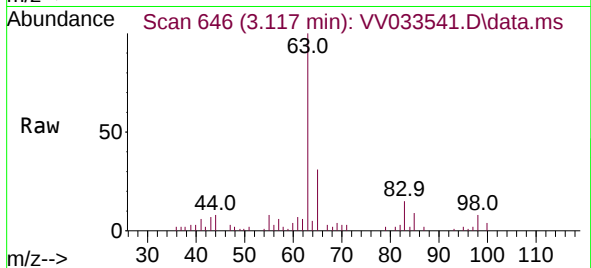
Tgt Ion: 63 Resp: 18597

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 14.7 9.3 17.3



#21

2-Butanone

Concen: 0.065 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.029 min

Lab File: VV033541.D

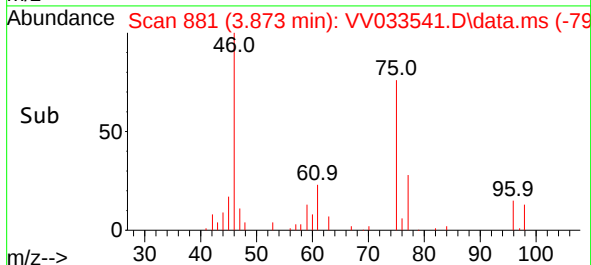
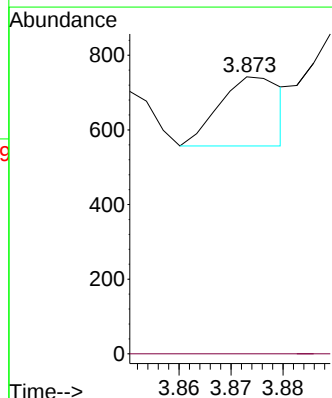
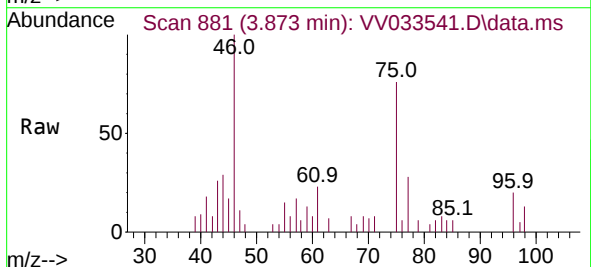
Acq: 28 Dec 2023 10:17

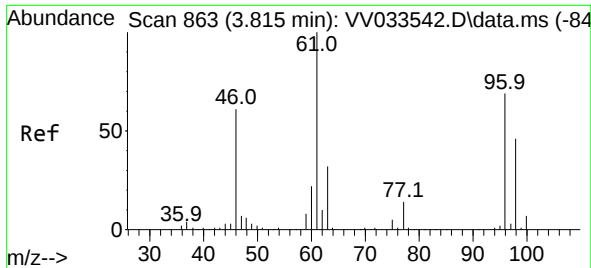
Tgt Ion: 43 Resp: 153

Ion Ratio Lower Upper

43 100

72 0.0 4.0 12.0#

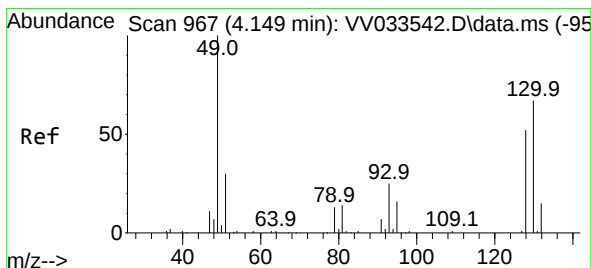
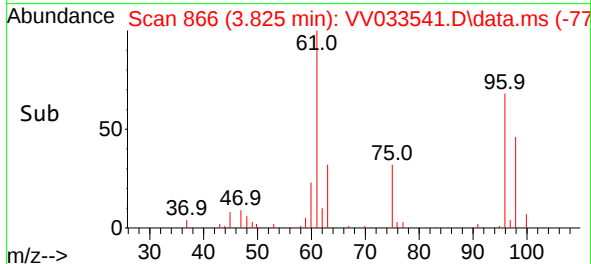
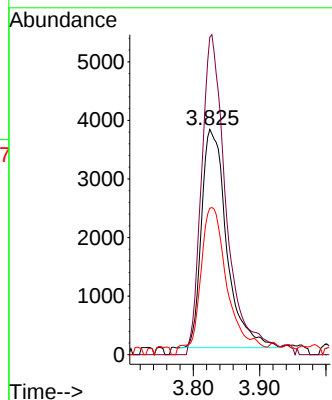
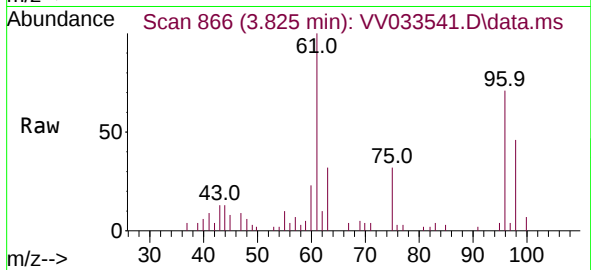




#22
 cis-1,2-Dichloroethene
 Concen: 0.960 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.010 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

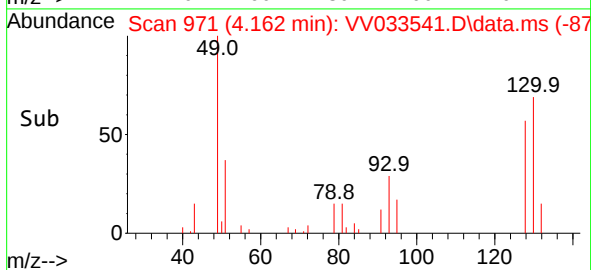
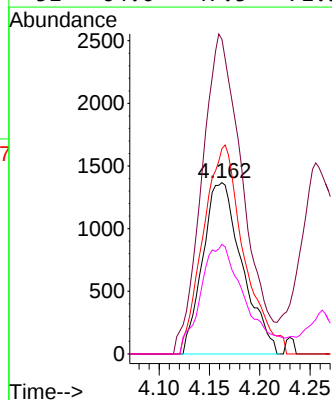
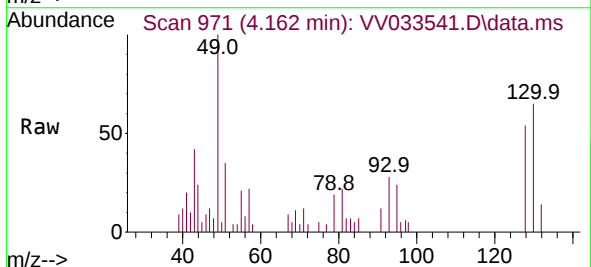
Instrument :
 MSVOA_V
 ClientSampleId :

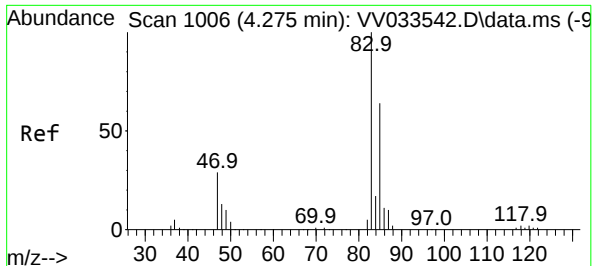
Tgt Ion: 96 Resp: 9813
 Ion Ratio Lower Upper
 96 100
 61 141.0 100.6 186.8
 98 65.0 45.8 85.2



#23
 Bromochloromethane
 Concen: 0.944 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.013 min
 Lab File: VV033541.D
 Acq: 28 Dec 2023 10:17

Tgt Ion: 128 Resp: 3722
 Ion Ratio Lower Upper
 128 100
 49 183.6 135.2 251.0
 130 120.0 89.9 167.0
 51 64.0 47.5 71.3





#25

Chloroform

Concen: 0.939 ug/L

RT: 4.285 min Scan# 1006

Delta R.T. 0.010 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

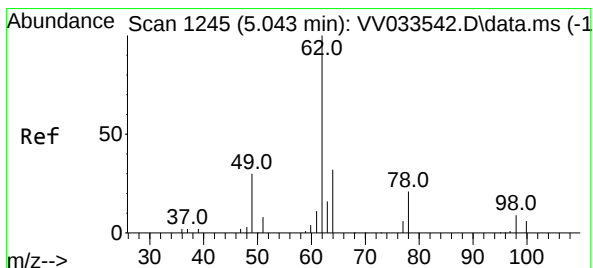
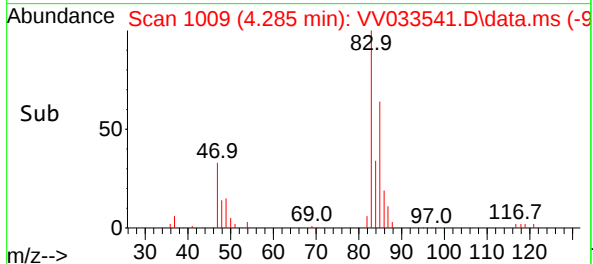
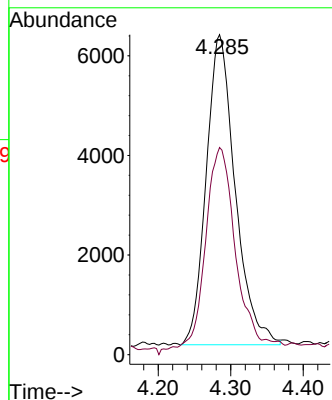
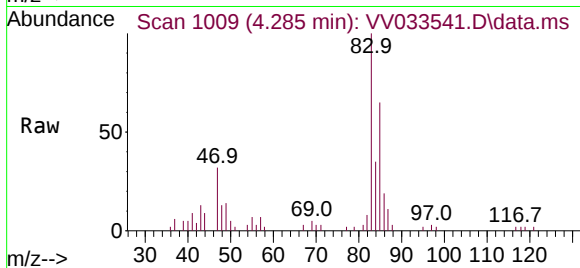
ClientSampleId :

Tgt Ion: 83 Resp: 17249

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 0.933 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.013 min

Lab File: VV033541.D

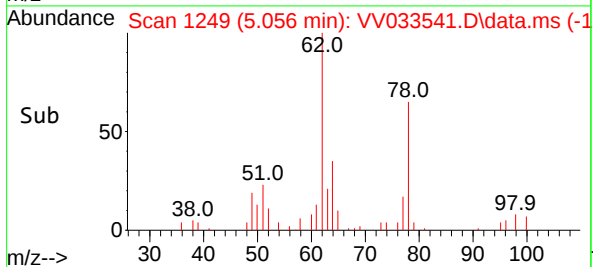
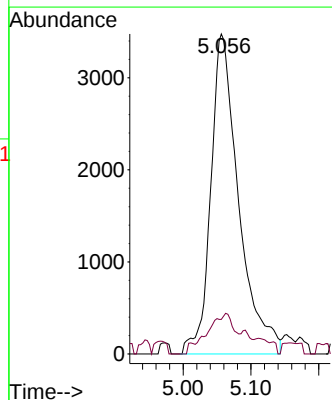
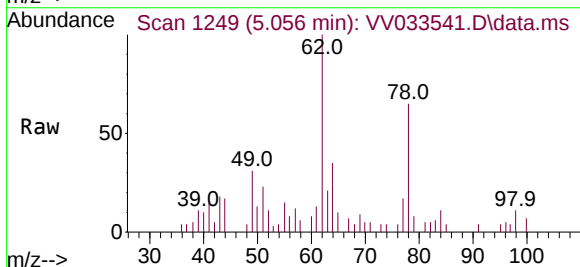
Acq: 28 Dec 2023 10:17

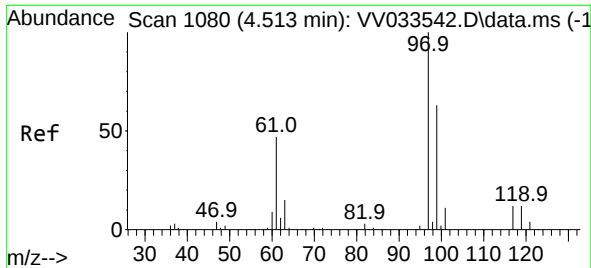
Tgt Ion: 62 Resp: 9955

Ion Ratio Lower Upper

62 100

98 10.8 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 0.919 ug/L

RT: 4.519 min Scan# 1102

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

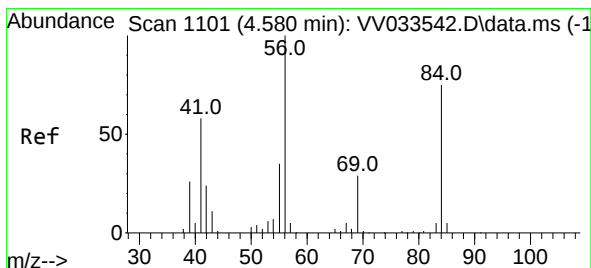
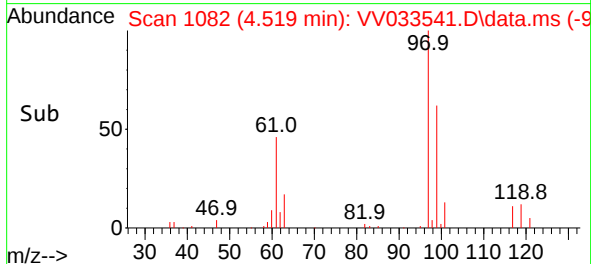
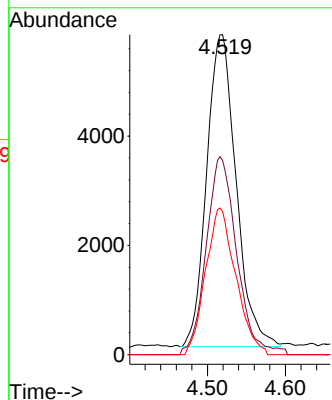
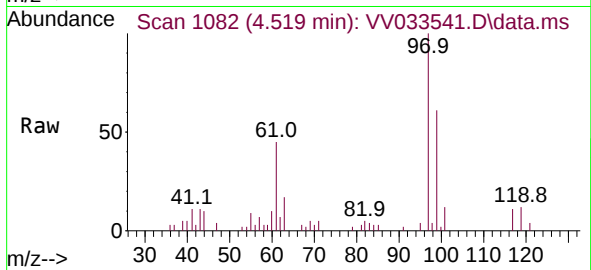
Tgt Ion: 97 Resp: 15000

Ion Ratio Lower Upper

97 100

99 65.6 51.9 77.9

61 48.2 38.6 57.8



#30

Cyclohexane

Concen: 0.974 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

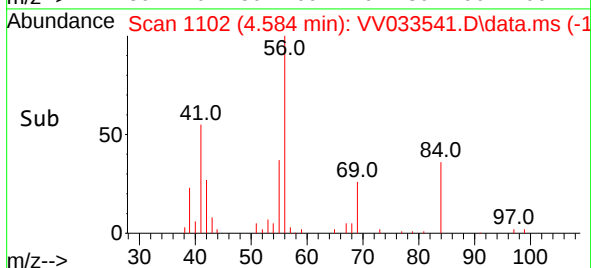
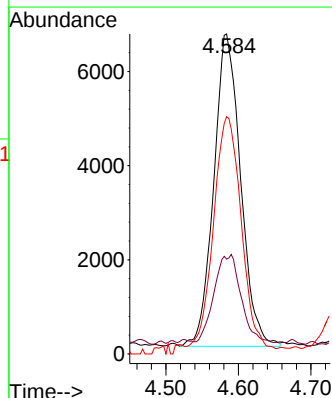
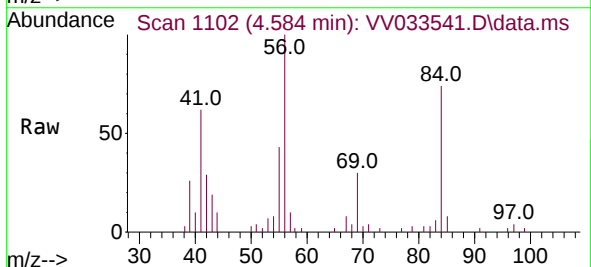
Tgt Ion: 56 Resp: 17059

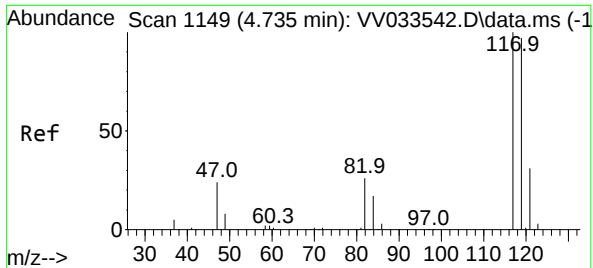
Ion Ratio Lower Upper

56 100

69 28.1 23.8 35.6

84 78.0 63.0 94.6

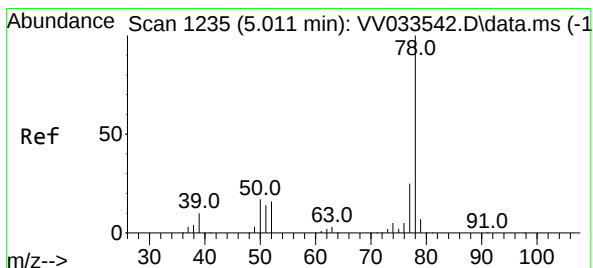
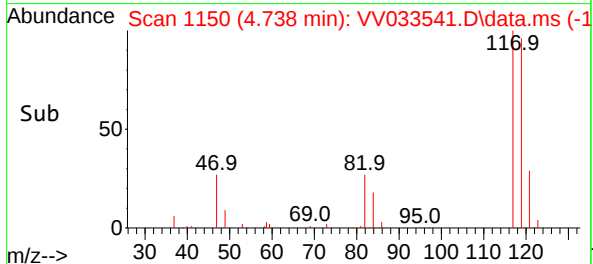
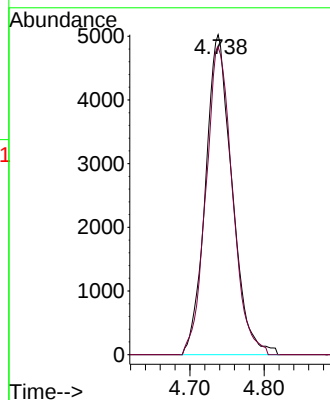
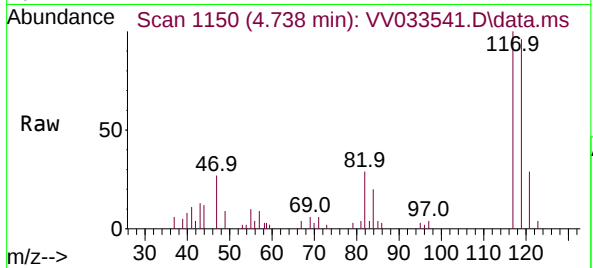




#31
Carbon tetrachloride
Concen: 0.936 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

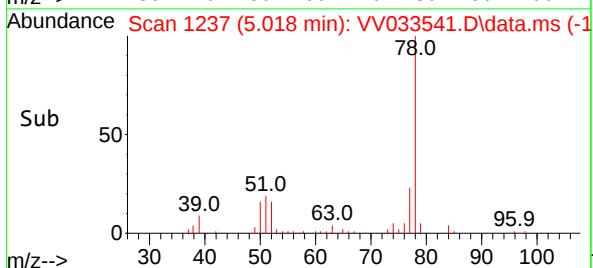
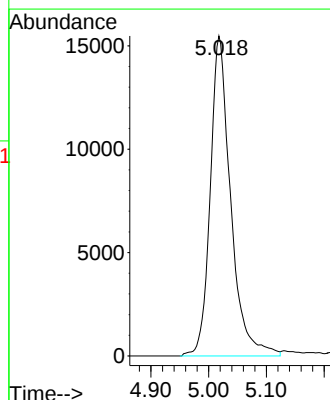
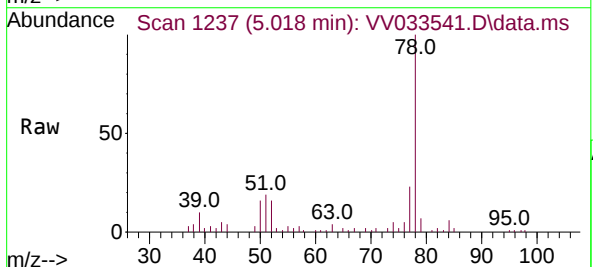
Instrument :
MSVOA_V
ClientSampleId :

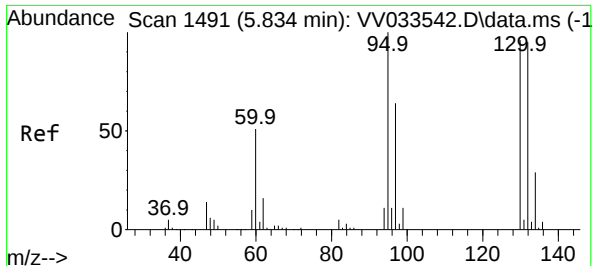
Tgt Ion:117 Resp: 12497
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9



#33
Benzene
Concen: 0.961 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.007 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion: 78 Resp: 38004





#34

Trichloroethene

Concen: 1.004 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 10718

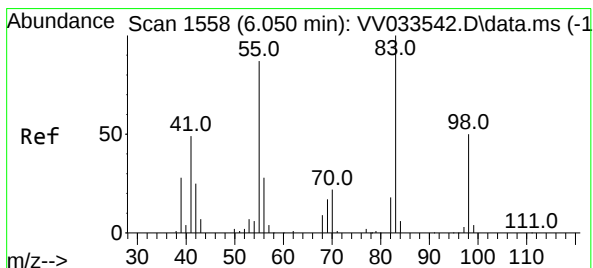
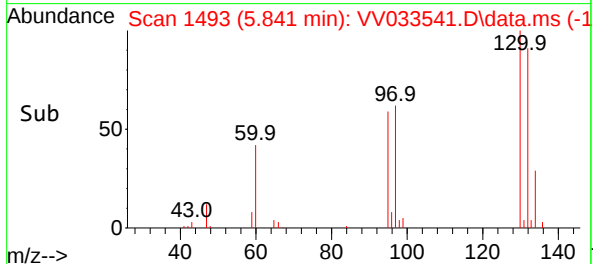
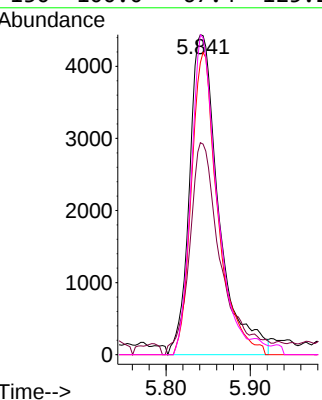
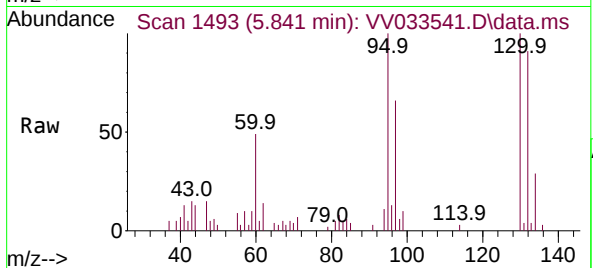
Ion Ratio Lower Upper

95 100

97 66.3 45.5 84.5

132 91.3 66.3 123.1

130 100.0 67.4 125.2



#35

Methylcyclohexane

Concen: 0.925 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

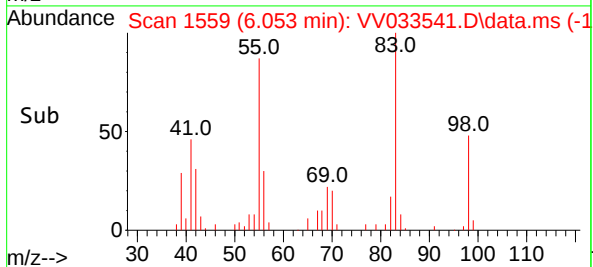
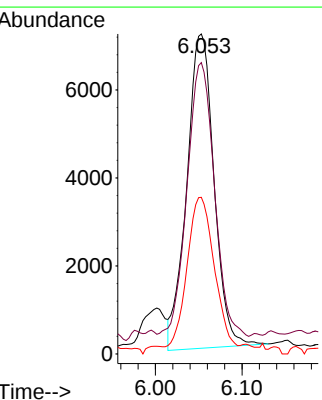
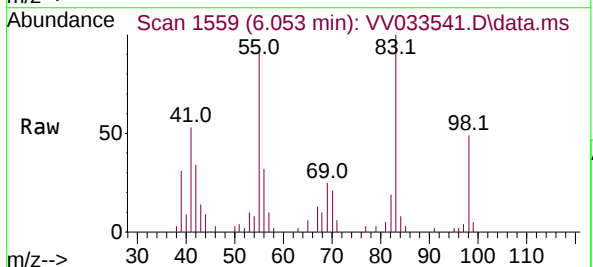
Tgt Ion: 83 Resp: 15678

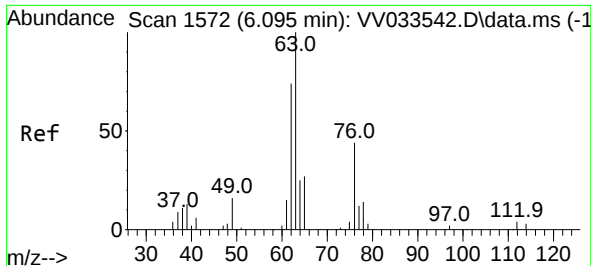
Ion Ratio Lower Upper

83 100

55 88.0 67.7 101.5

98 47.4 38.2 57.2





#37

1,2-Dichloropropane

Concen: 0.933 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

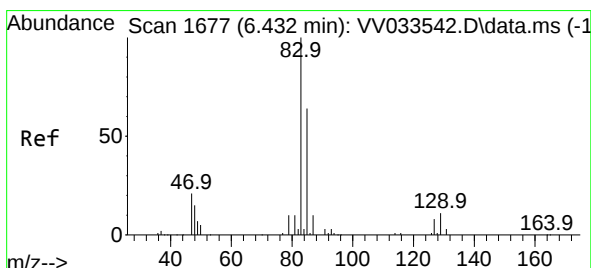
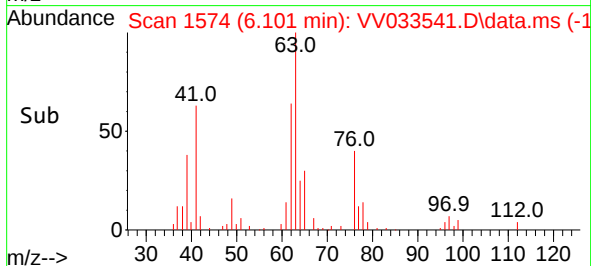
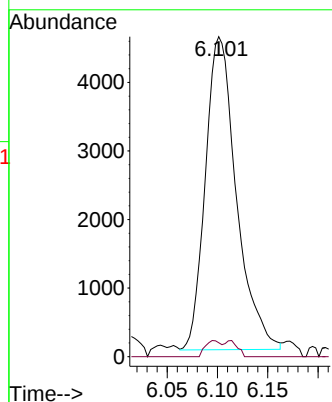
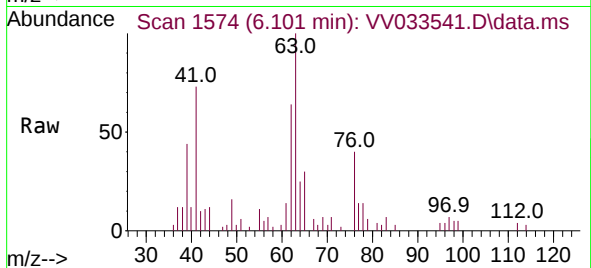
ClientSampleId :

Tgt Ion: 63 Resp: 9796

Ion Ratio Lower Upper

63 100

112 2.6 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.973 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

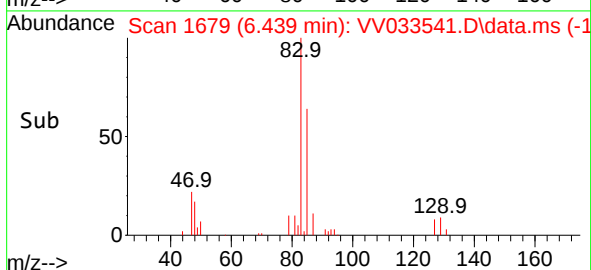
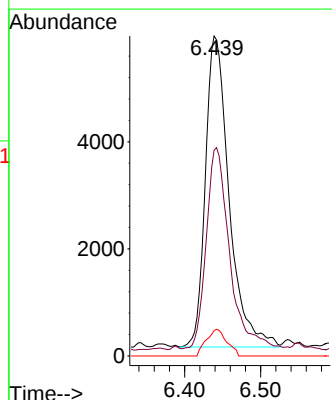
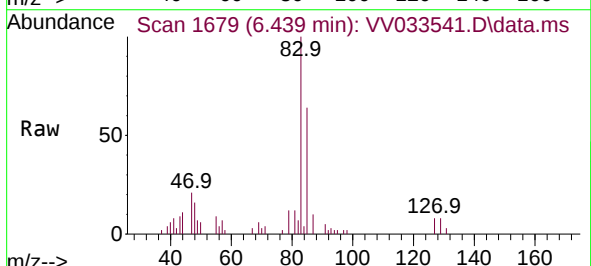
Tgt Ion: 83 Resp: 12577

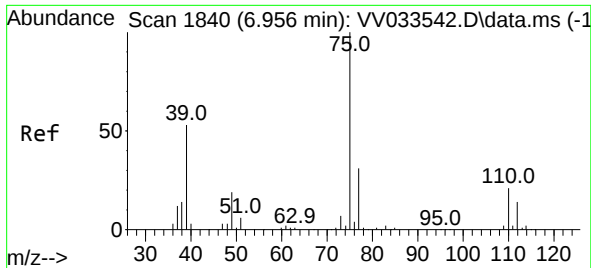
Ion Ratio Lower Upper

83 100

85 64.3 44.6 82.8

127 7.9 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 0.951 ug/L

RT: 6.966 min Scan# 1840

Delta R.T. 0.010 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

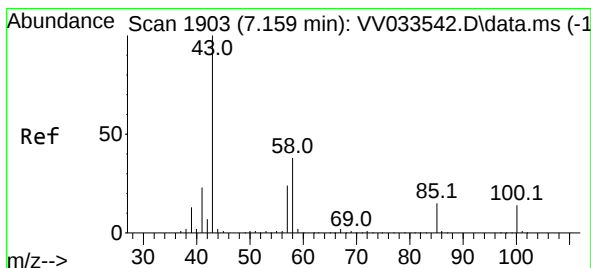
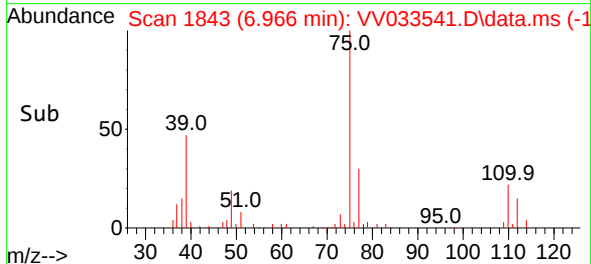
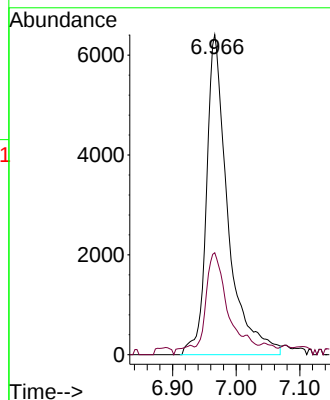
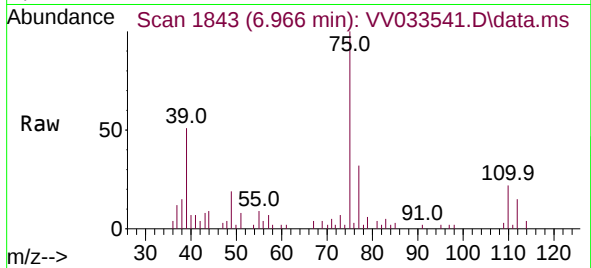
ClientSampleId :

Tgt Ion: 75 Resp: 15008

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 9.640 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.010 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

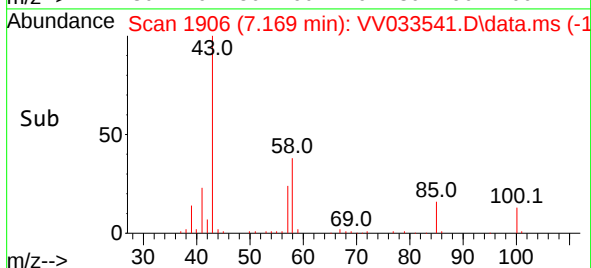
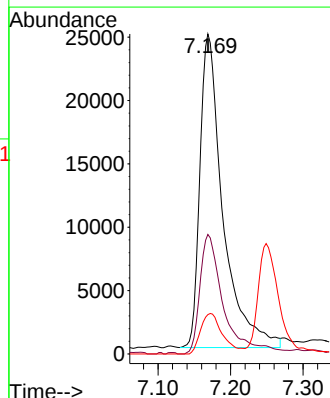
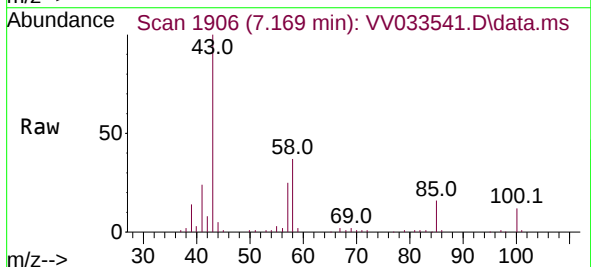
Tgt Ion: 43 Resp: 54528

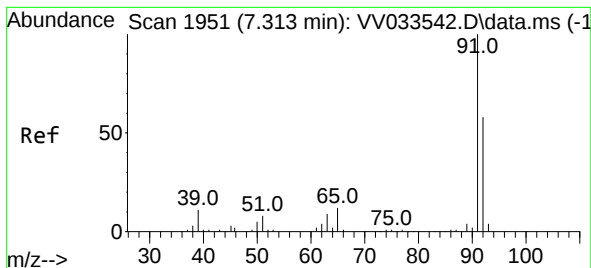
Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.0

100 12.4 10.5 15.7





#42

Toluene

Concen: 0.947 ug/L

RT: 7.323 min Scan# 1951

Delta R.T. 0.010 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

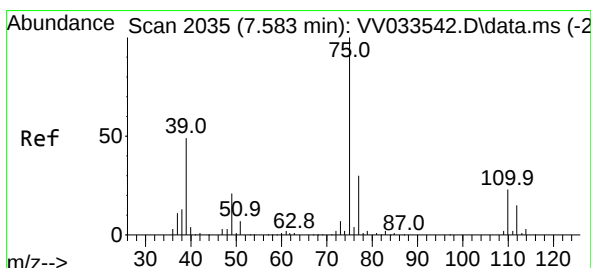
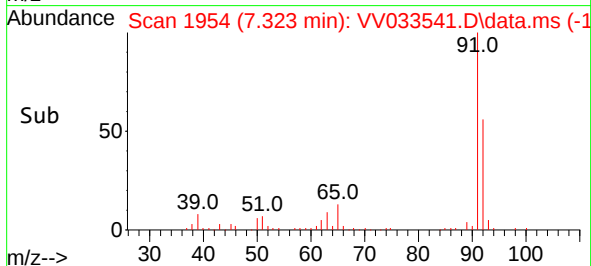
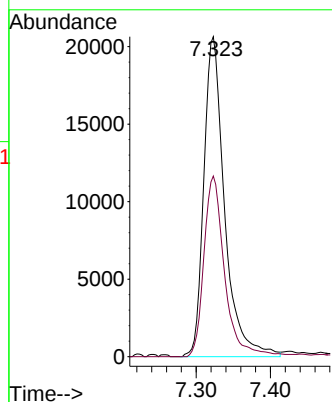
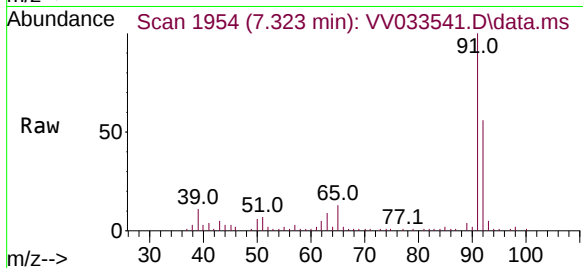
ClientSampleId :

Tgt Ion: 91 Resp: 40062

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.894 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.013 min

Lab File: VV033541.D

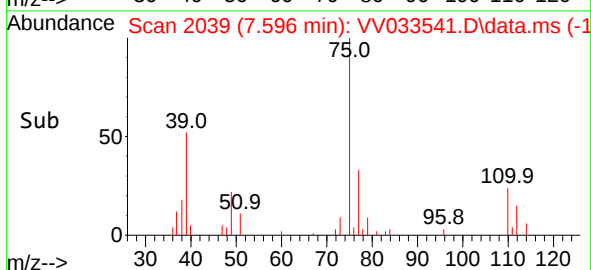
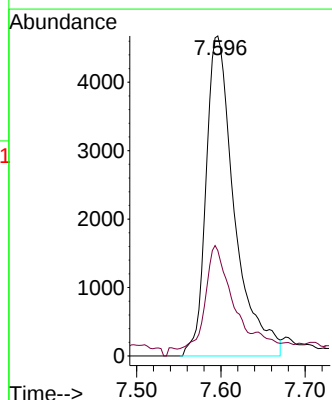
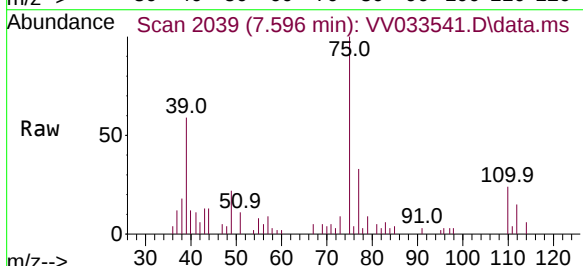
Acq: 28 Dec 2023 10:17

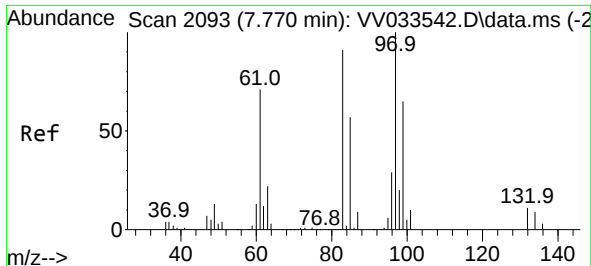
Tgt Ion: 75 Resp: 10981

Ion Ratio Lower Upper

75 100

77 33.0 21.6 40.2

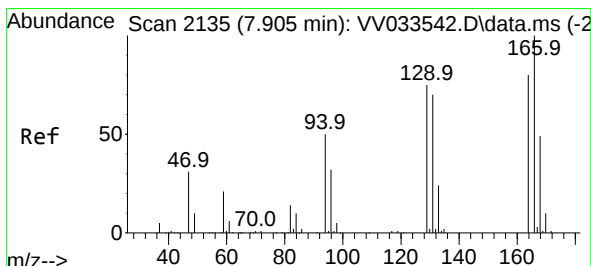
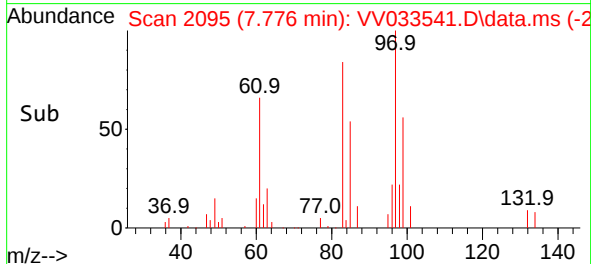
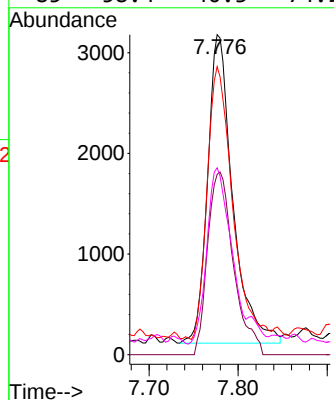
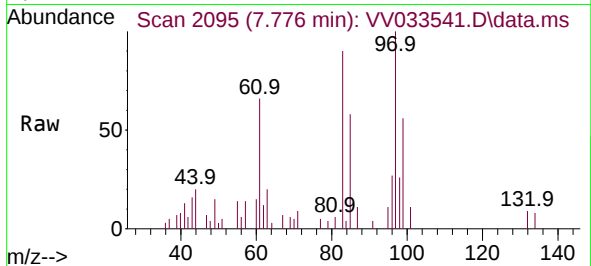




#45
1,1,2-Trichloroethane
Concen: 0.951 ug/L
RT: 7.776 min Scan# 2093
Delta R.T. 0.007 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

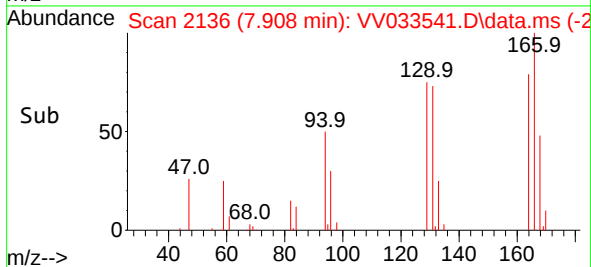
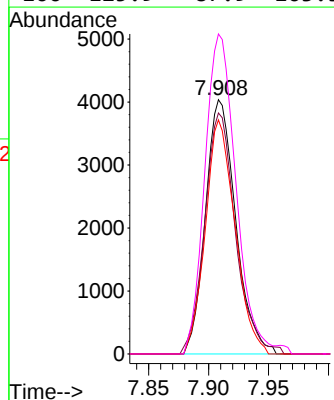
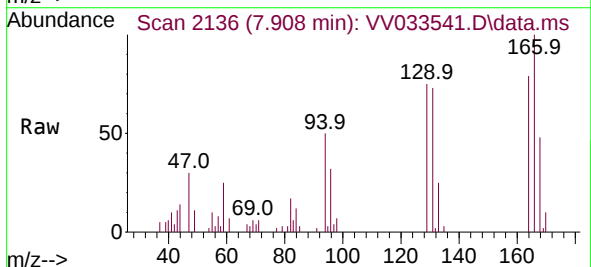
Instrument :
MSVOA_V
ClientSampleId :

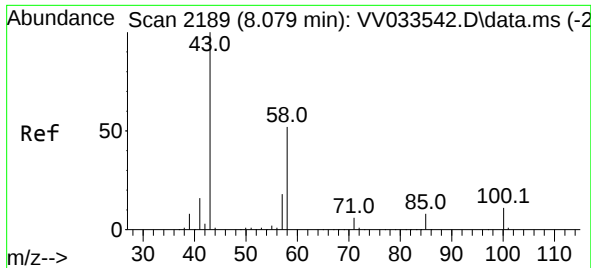
Tgt Ion:	97	Resp:	6011
Ion	Ratio	Lower	Upper
97	100		
99	56.4	45.2	84.0
83	90.0	64.3	119.3
85	58.4	40.3	74.9



#47
Tetrachloroethene
Concen: 0.943 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion:	164	Resp:	7092
Ion	Ratio	Lower	Upper
164	100		
129	94.8	66.2	123.0
131	92.1	61.2	113.8
166	125.9	87.9	163.3

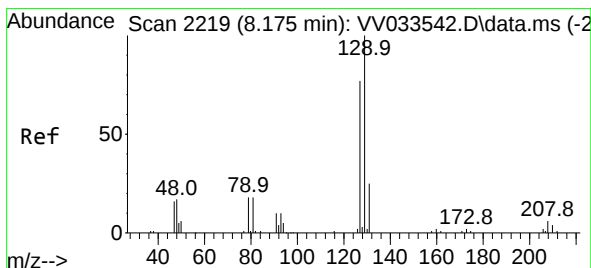
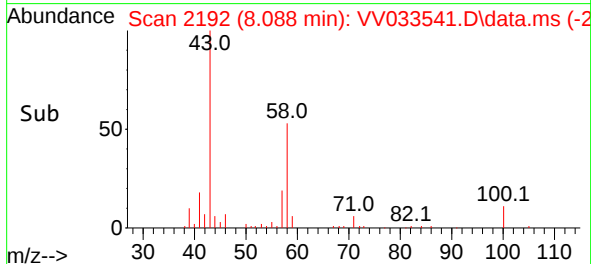
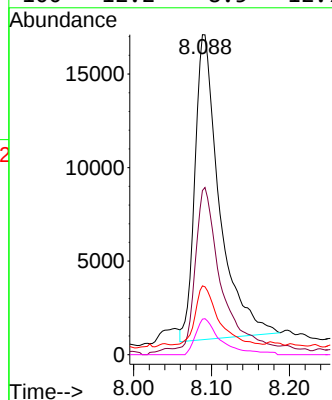
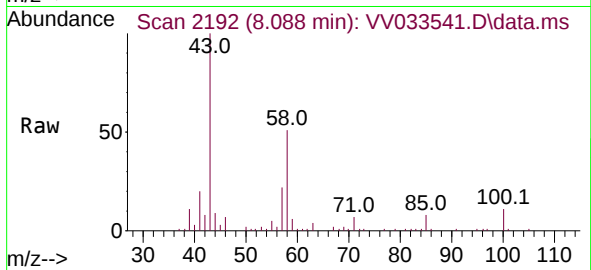




#48
2-Hexanone
Concen: 8.702 ug/L
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

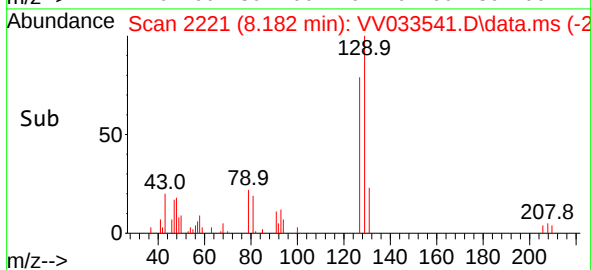
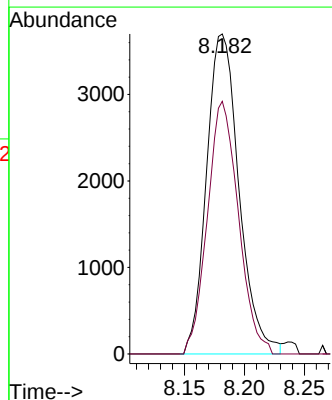
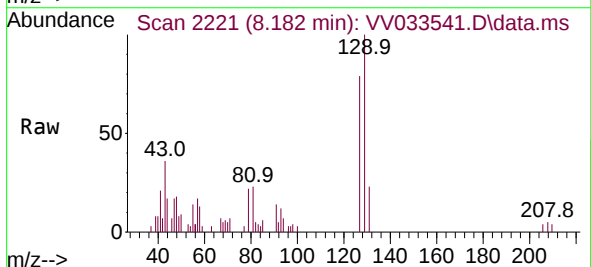
Instrument :
MSVOA_V
ClientSampleId :

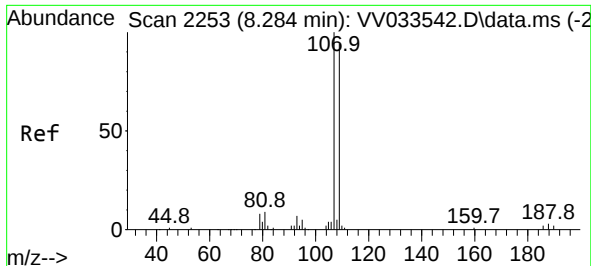
Tgt Ion: 43	Resp: 35760
Ion Ratio	Lower Upper
43 100	
58 55.5	43.3 64.9
57 20.3	14.4 21.6
100 12.2	8.5 12.7



#49
Dibromochloromethane
Concen: 0.942 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.007 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion:129	Resp:	6972	
Ion	Ratio	Lower	Upper
129	100		
127	78.9	53.9	100.1





#50

1,2-Dibromoethane

Concen: 0.956 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

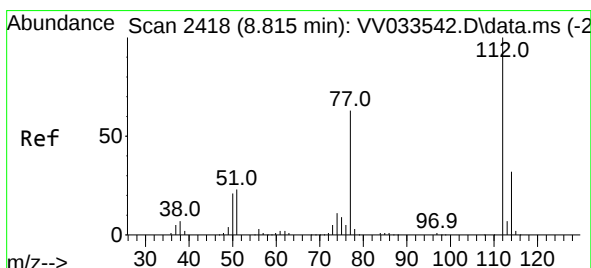
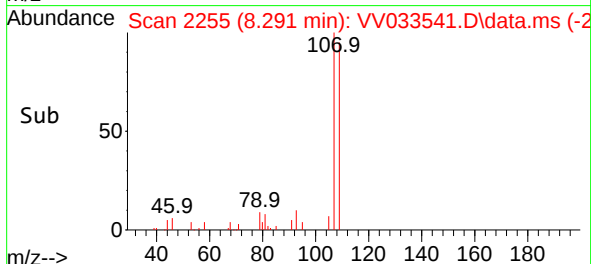
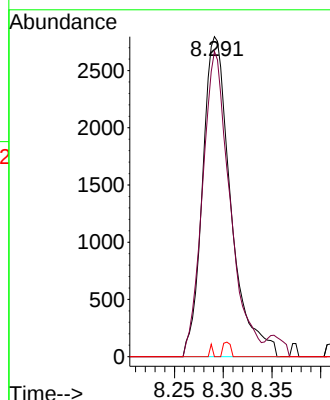
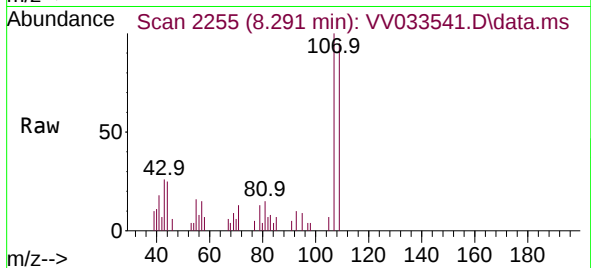
Tgt Ion:107 Resp: 5637

Ion Ratio Lower Upper

107 100

109 95.4 65.8 122.2

188 0.0 2.8 4.2#



#51

Chlorobenzene

Concen: 0.957 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

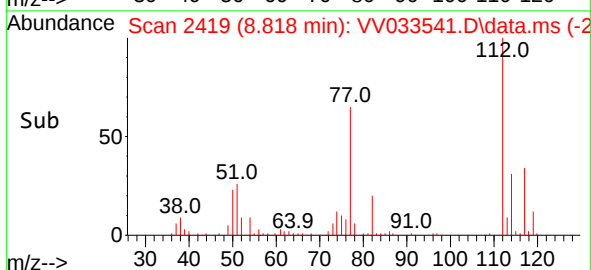
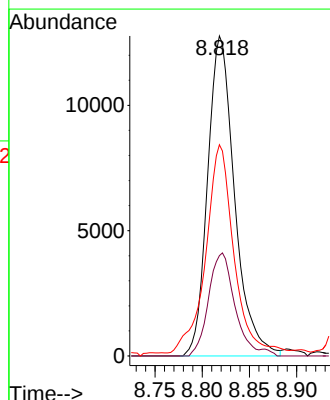
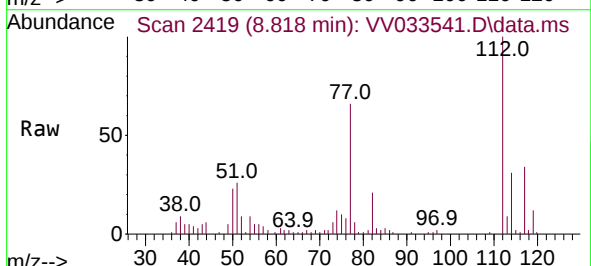
Tgt Ion:112 Resp: 25367

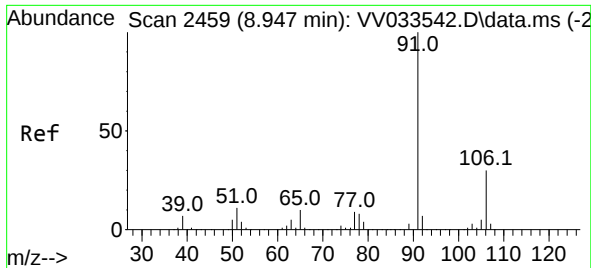
Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.1

77 66.0 50.6 76.0

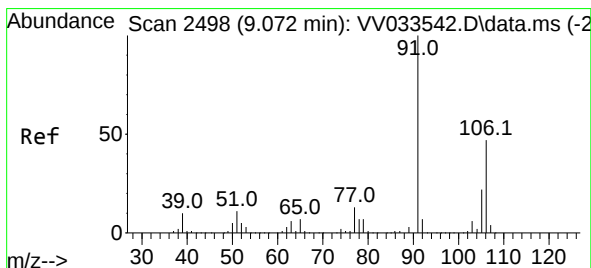
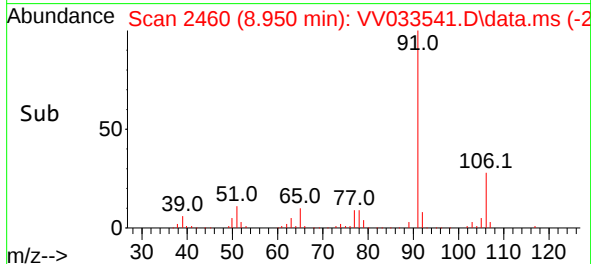
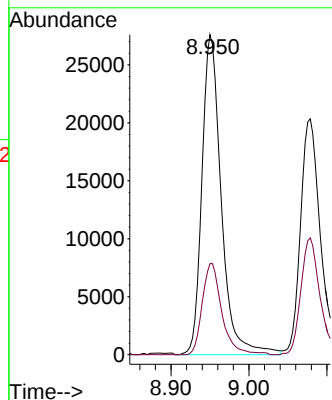
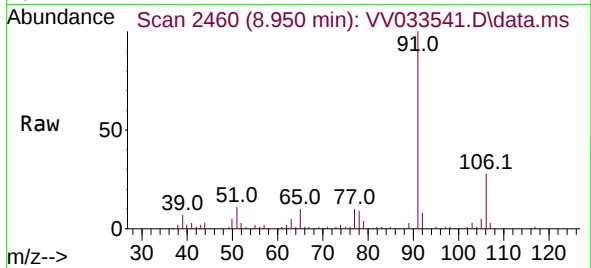




#52
Ethylbenzene
Concen: 0.957 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

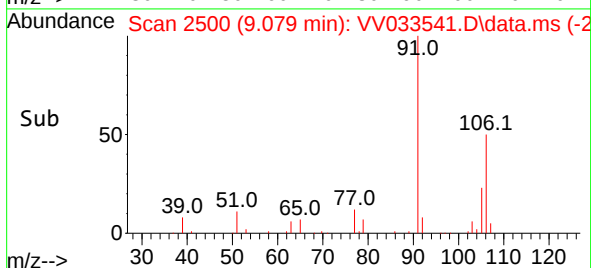
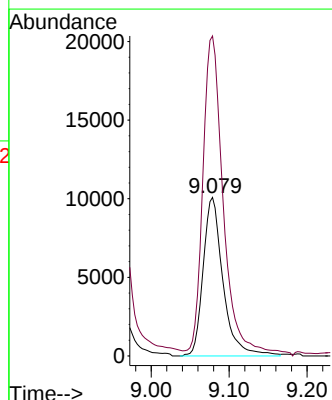
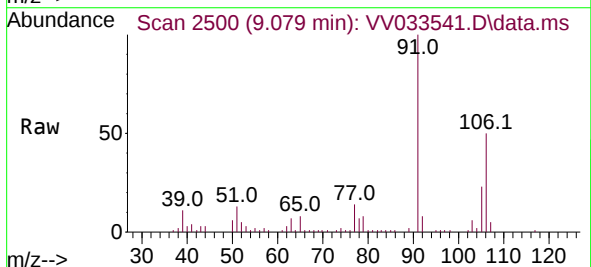
Instrument :
MSVOA_V
ClientSampleId :

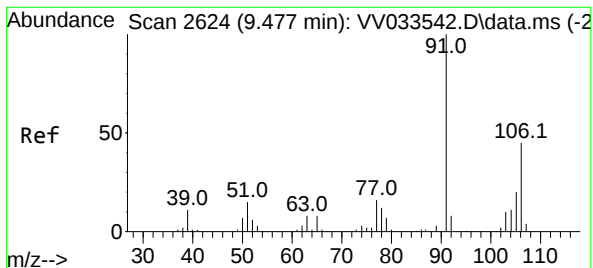
Tgt Ion: 91 Resp: 47599
Ion Ratio Lower Upper
91 100
106 28.5 20.9 38.9



#53
m,p-Xylene
Concen: 0.972 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.007 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion: 106 Resp: 17892
Ion Ratio Lower Upper
106 100
91 201.8 150.4 279.4





#54

o-Xylene

Concen: 0.939 ug/L

RT: 9.480 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

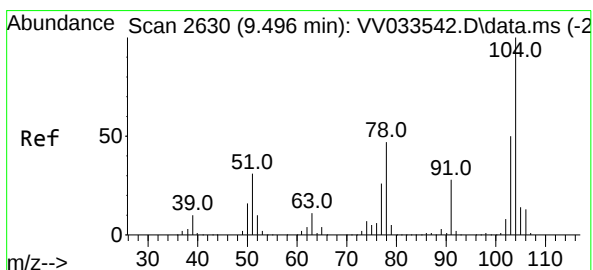
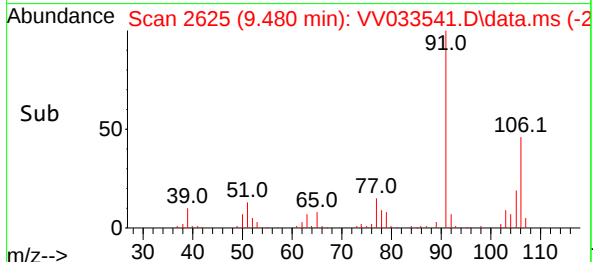
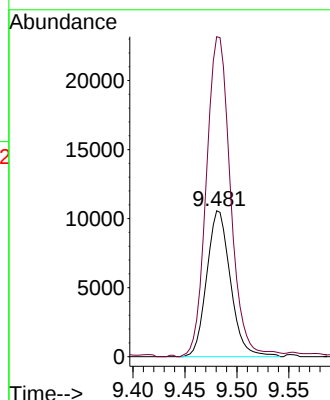
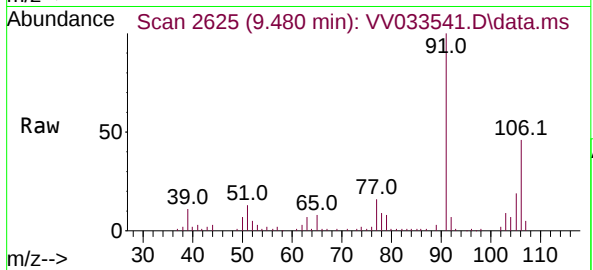
ClientSampleId :

Tgt Ion:106 Resp: 16766

Ion Ratio Lower Upper

106 100

91 219.2 156.1 289.9



#55

Styrene

Concen: 0.945 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.007 min

Lab File: VV033541.D

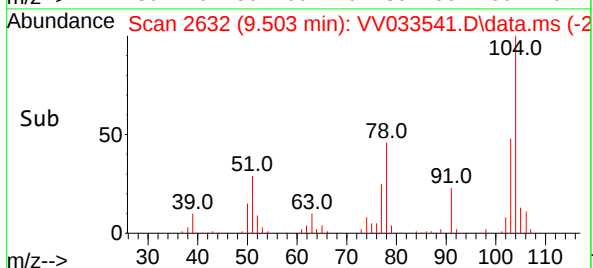
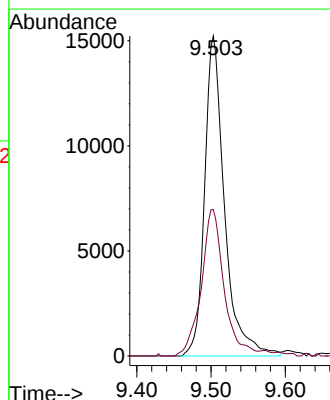
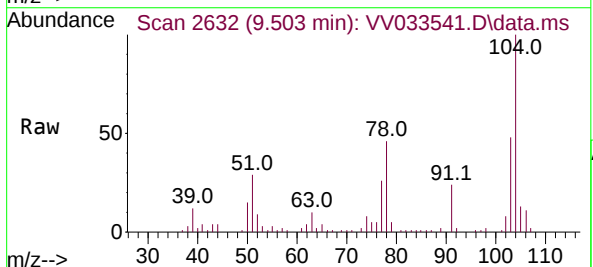
Acq: 28 Dec 2023 10:17

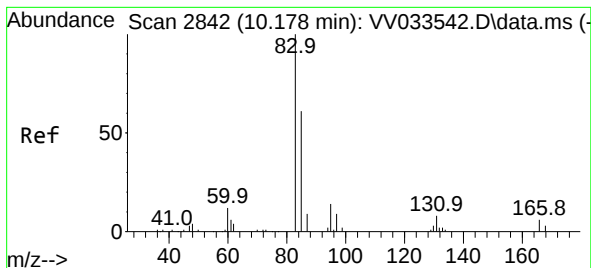
Tgt Ion:104 Resp: 28308

Ion Ratio Lower Upper

104 100

78 45.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 1.096 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV033541.D

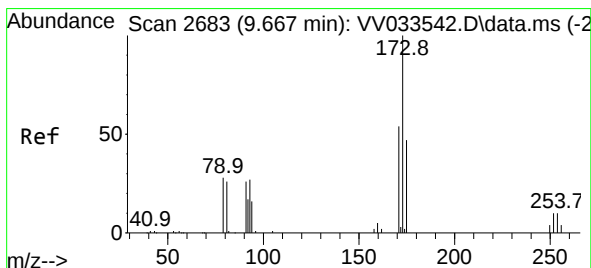
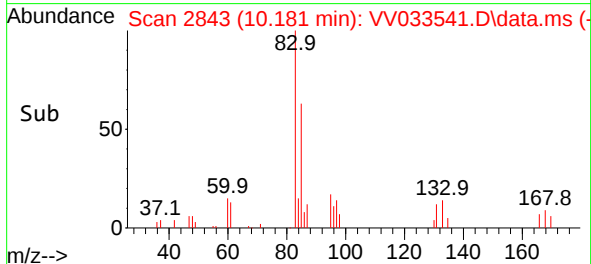
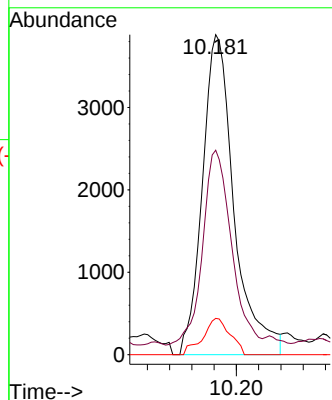
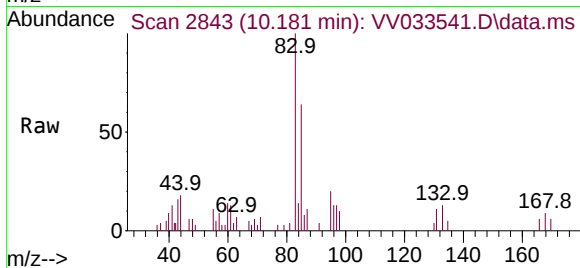
Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	7670
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.2	82.0
131	11.4	7.2	10.8



#59

Bromoform

Concen: 0.906 ug/L

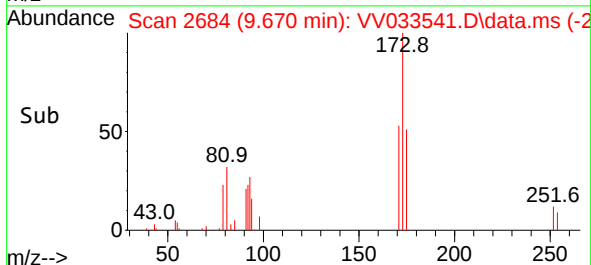
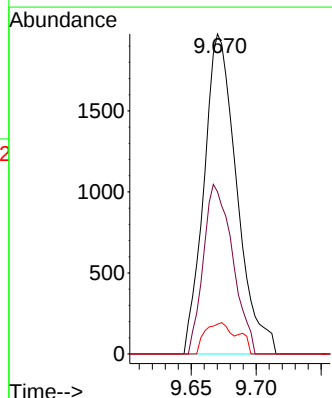
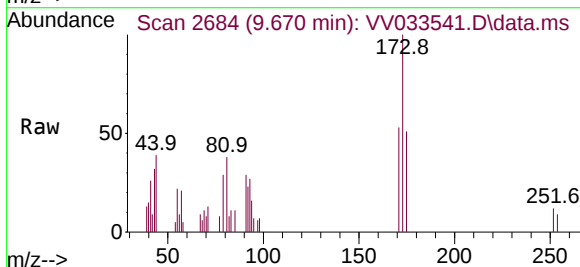
RT: 9.670 min Scan# 2684

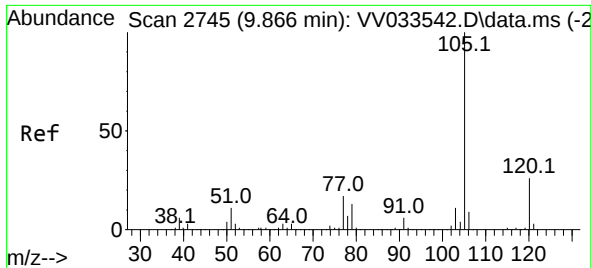
Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Tgt Ion:	173	Resp:	3461
Ion	Ratio	Lower	Upper
173	100		
175	47.4	36.6	55.0
254	7.7	7.8	11.8

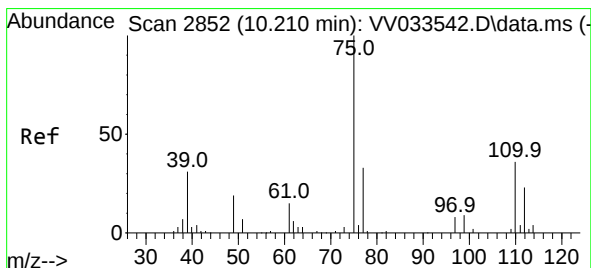
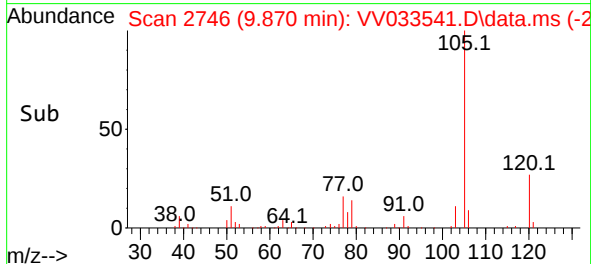
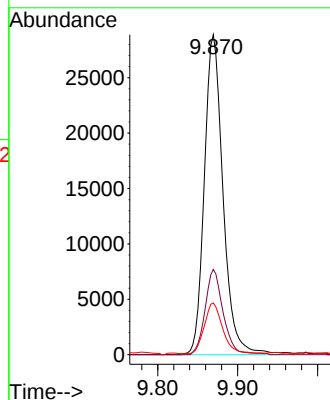
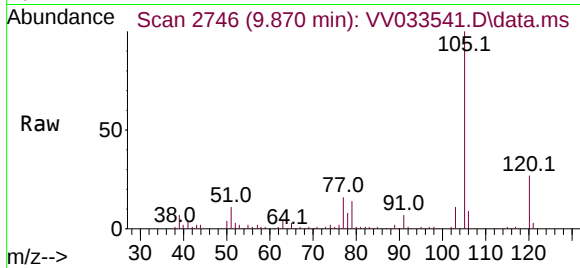




#60
Isopropylbenzene
Concen: 0.972 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

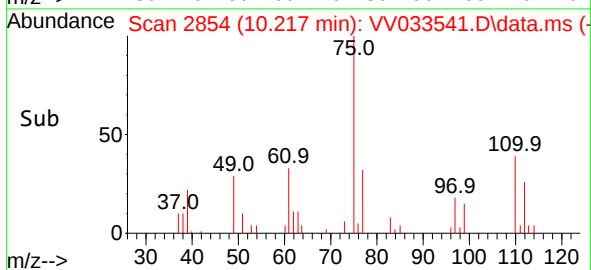
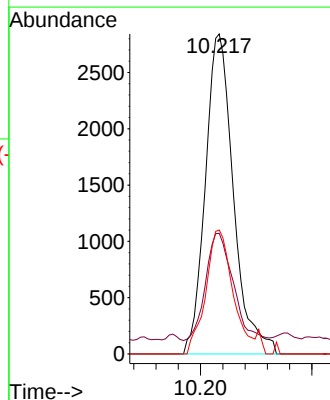
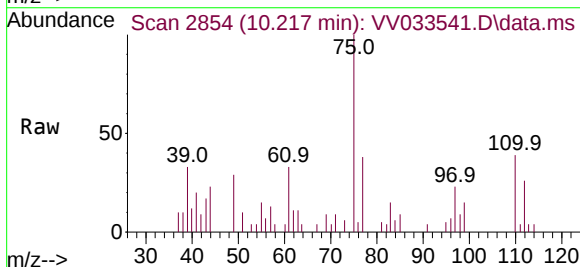
Instrument :
MSVOA_V
ClientSampleId :

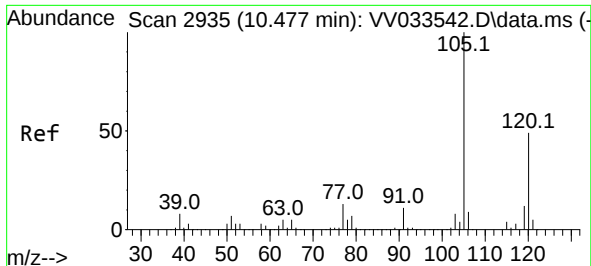
Tgt Ion:105 Resp: 47067
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 15.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.995 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.007 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion: 75 Resp: 4977
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 37.6 29.2 43.8





#62

1,3,5-Trimethylbenzene

Concen: 0.978 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

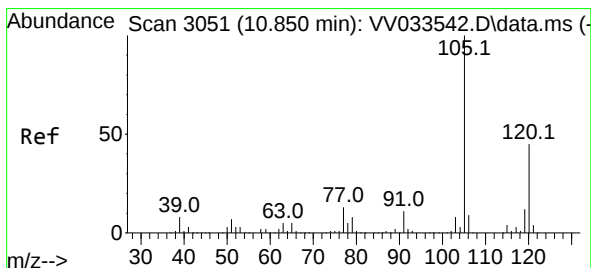
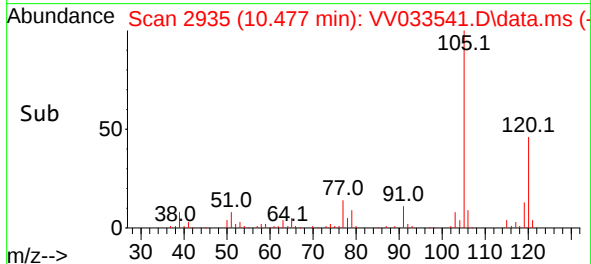
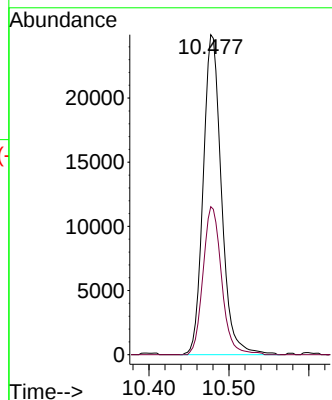
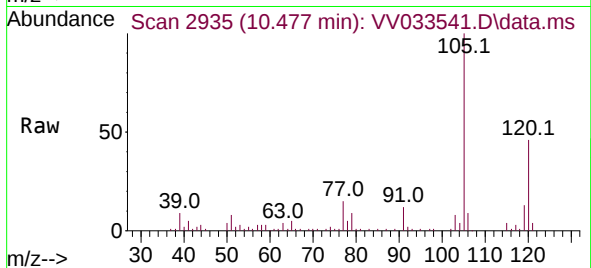
ClientSampleId :

Tgt Ion:105 Resp: 39671

Ion Ratio Lower Upper

105 100

120 47.0 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 0.963 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033541.D

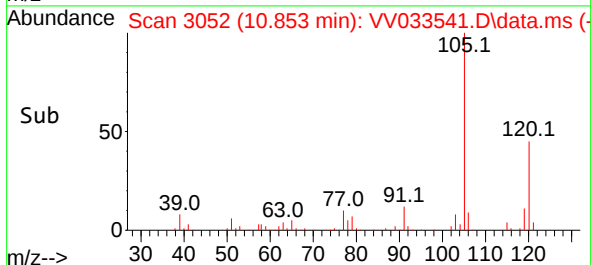
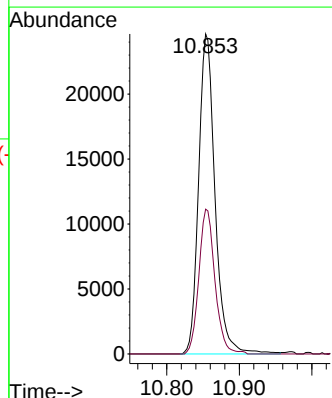
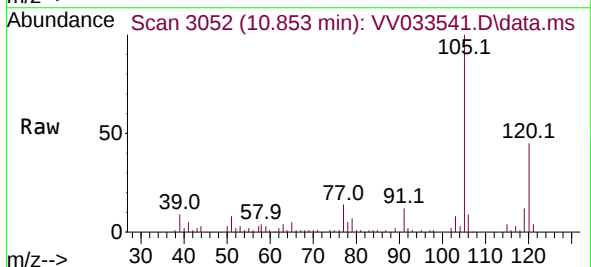
Acq: 28 Dec 2023 10:17

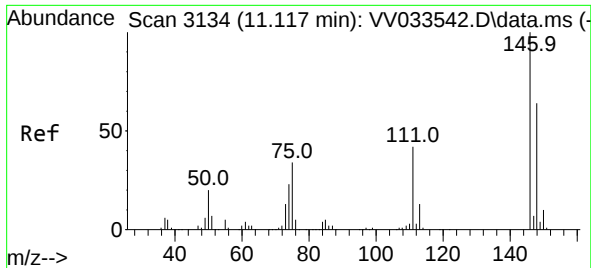
Tgt Ion:105 Resp: 38659

Ion Ratio Lower Upper

105 100

120 44.5 36.1 54.1

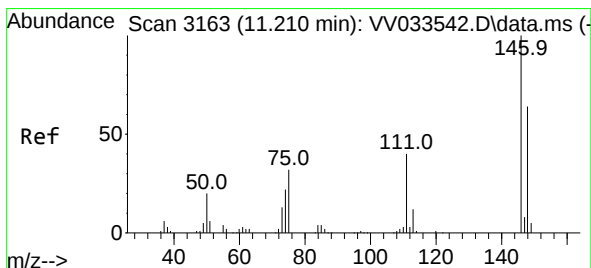
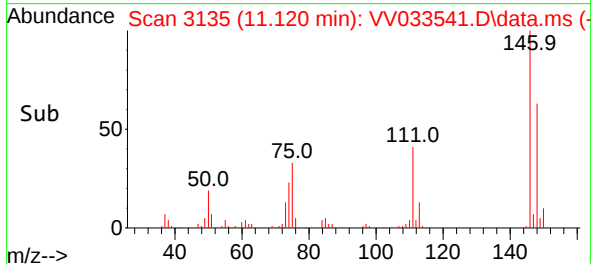
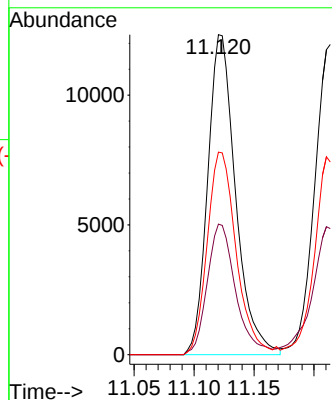
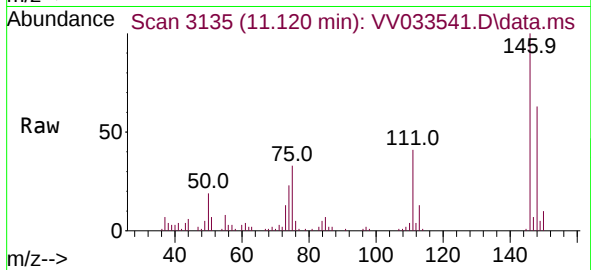




#64
1,3-Dichlorobenzene
Concen: 0.970 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

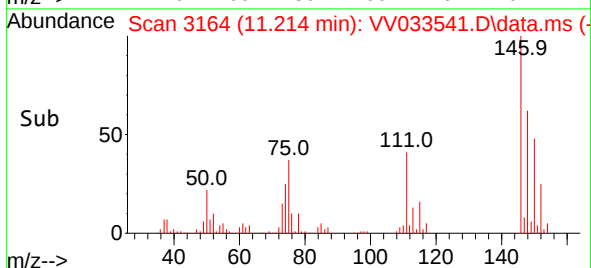
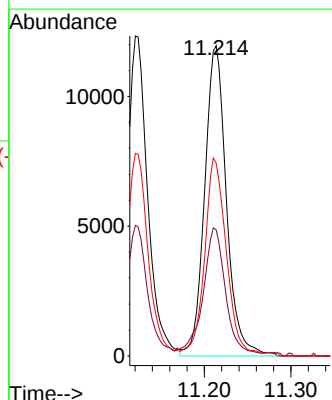
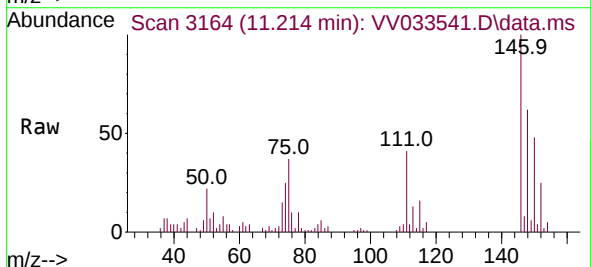
Instrument :
MSVOA_V
ClientSampleId :

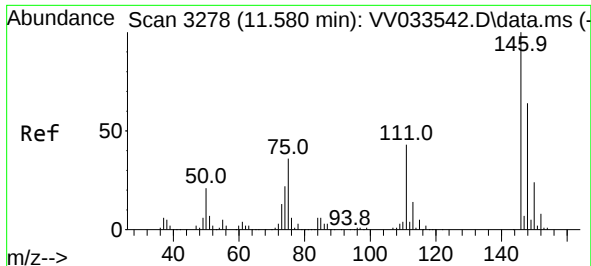
Tgt Ion:146 Resp: 19947
Ion Ratio Lower Upper
146 100
111 40.8 29.5 54.7
148 63.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 0.996 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion:146 Resp: 20895
Ion Ratio Lower Upper
146 100
111 40.6 28.0 52.0
148 62.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.972 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

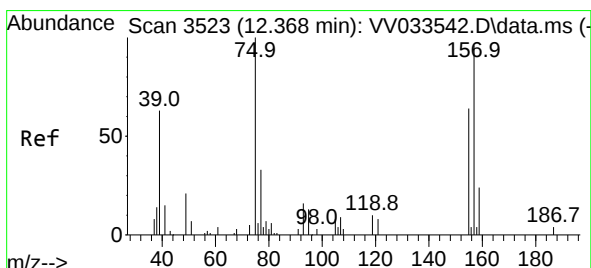
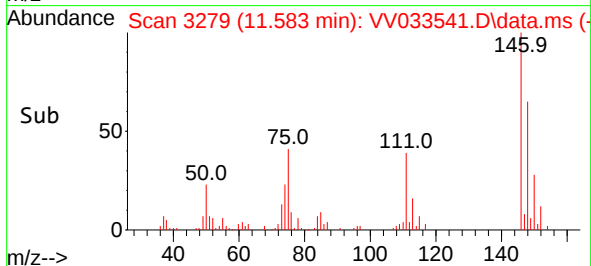
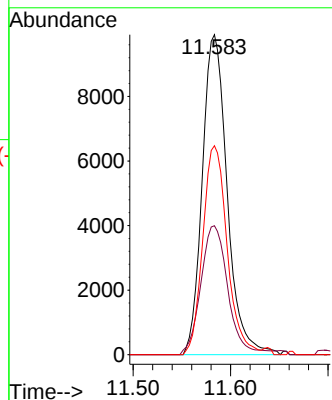
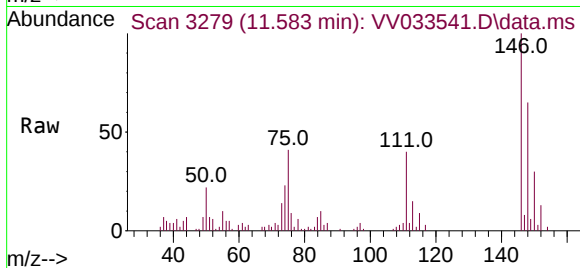
Tgt Ion:146 Resp: 17597

Ion Ratio Lower Upper

146 100

111 40.3 34.6 51.8

148 65.3 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.833 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

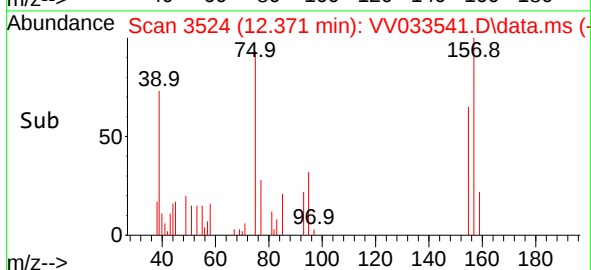
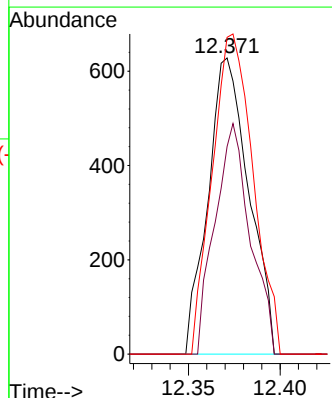
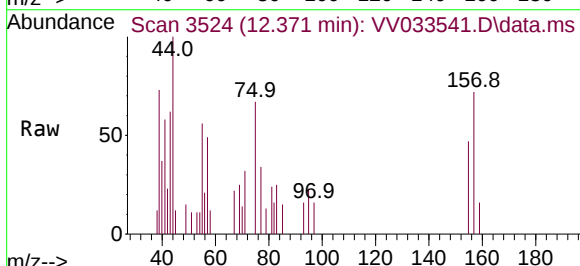
Tgt Ion: 75 Resp: 976

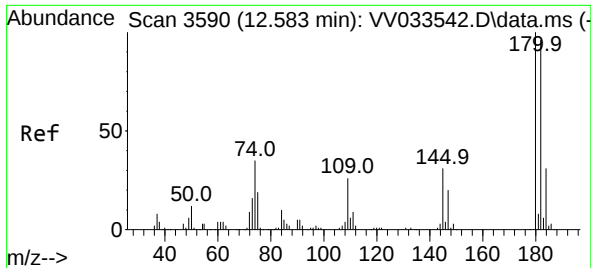
Ion Ratio Lower Upper

75 100

155 70.1 51.4 77.2

157 107.0 77.0 115.6





#69

1,3,5-Trichlorobenzene

Concen: 0.968 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.003 min

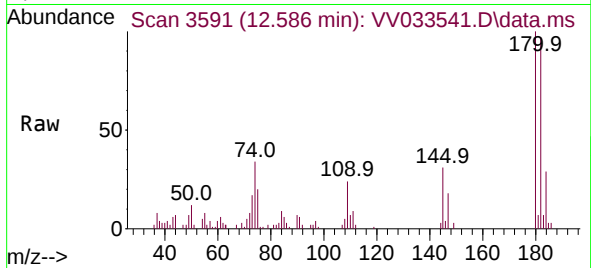
Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 15351

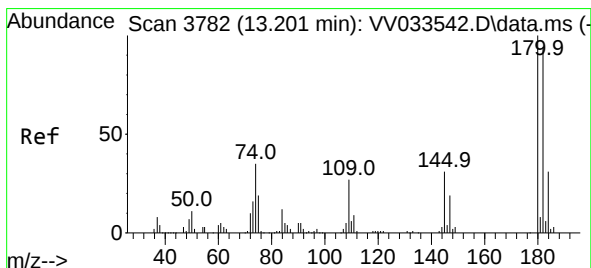
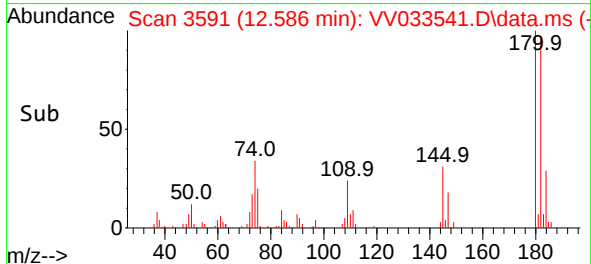
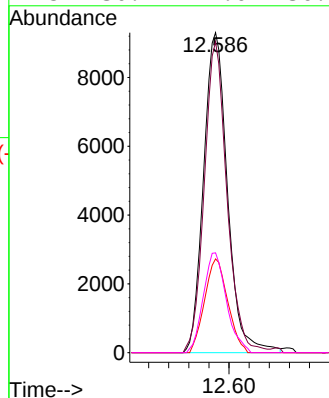
Ion Ratio Lower Upper

180 100

182 92.0 76.4 114.6

184 28.3 24.2 36.4

145 30.2 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 0.982 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV033541.D

Acq: 28 Dec 2023 10:17

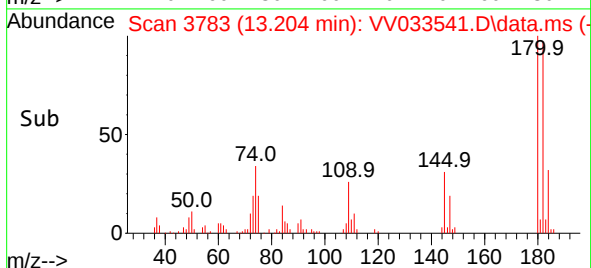
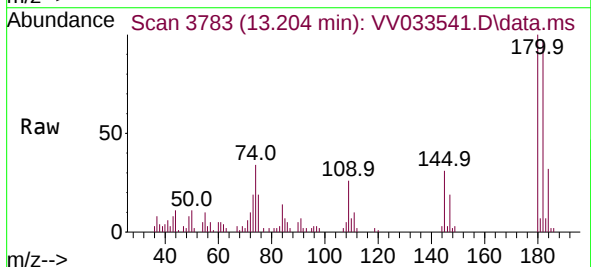
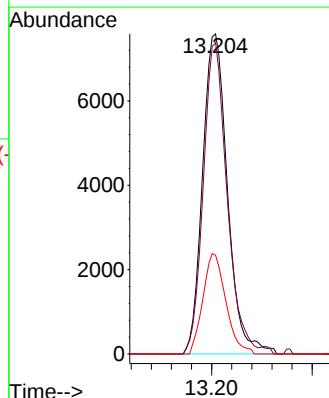
Tgt Ion:180 Resp: 13046

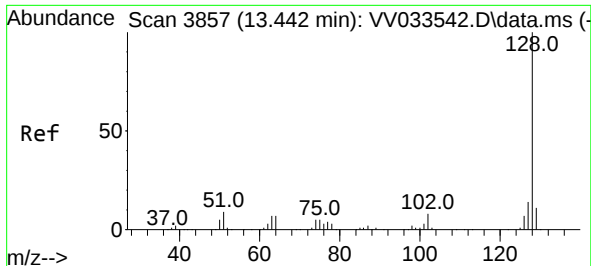
Ion Ratio Lower Upper

180 100

182 92.6 76.1 114.1

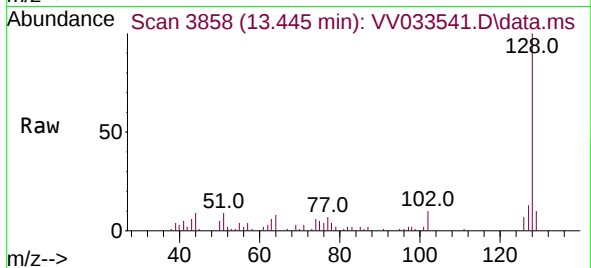
145 28.8 25.1 37.7



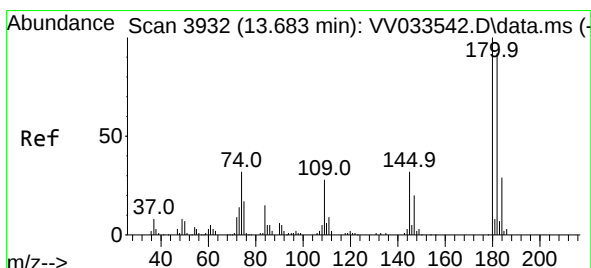
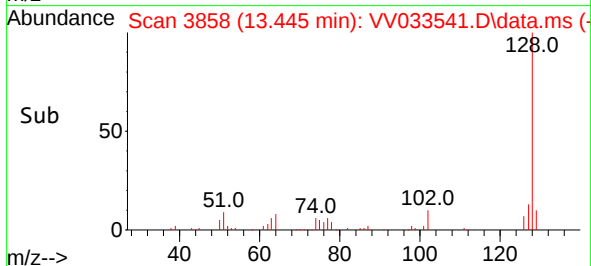
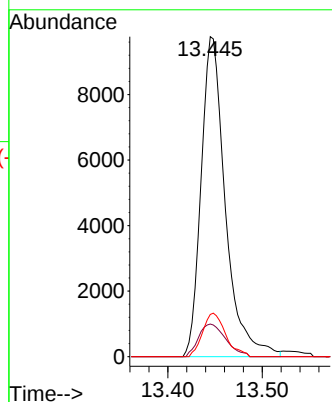


#71
Naphthalene
Concen: 0.939 ug/L
RT: 13.445 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 17410
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 12.9 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.931 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV033541.D
Acq: 28 Dec 2023 10:17

Tgt Ion:180 Resp: 9759
Ion Ratio Lower Upper
180 100
182 99.9 75.4 113.0
145 34.9 26.6 40.0

