

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VW032891.D
 Acq On : 10 Nov 2023 14:54
 Operator : SY/MD
 Sample : 05326-04MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MSD

Quant Time: Nov 10 22:51:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	279704	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	295870	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	160501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	92241	34.672	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.340%
7) Chloroethane-d5	1.532	69	89628	40.282	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.560%
11) 1,1-Dichloroethene-d2	2.060	65	43088	39.212	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.420%
21) 2-Butanone-d5	3.786	46	134309	116.392	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.390%
24) Chloroform-d	4.252	84	204068	48.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
26) 1,2-Dichloroethane-d4	4.944	65	137131	51.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.920%
32) Benzene-d6	4.963	84	398902	52.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.880%
36) 1,2-Dichloropropane-d6	5.992	67	119714	51.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.600%
41) Toluene-d8	7.246	98	370438	49.454	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.900%
43) trans-1,3-Dichloroprop...	7.555	79	62116	51.606	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.220%
47) 2-Hexanone-d5	8.027	63	108512	128.610	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.610%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	196703	56.087	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.180%
66) 1,2-Dichlorobenzene-d4	11.561	152	154528	49.961	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71157	28.912	ug/L	99
3) Chloromethane	1.217	50	80981	34.011	ug/L	98
5) Vinyl chloride	1.285	62	80947	31.883	ug/L	98
6) Bromomethane	1.484	94	64005	36.130	ug/L	99
8) Chloroethane	1.548	64	63181	36.966	ug/L	98
9) Trichlorofluoromethane	1.716	101	140226	34.658	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	82865	33.849	ug/L	98
12) 1,1-Dichloroethene	2.072	96	76912	36.765	ug/L	84
13) Acetone	2.111	43	108005	55.918	ug/L	99
14) Carbon disulfide	2.243	76	156767	31.392	ug/L	99
15) Methyl Acetate	2.375	43	97828	49.953	ug/L	100
16) Methylene chloride	2.449	84	96830	34.895	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	78163	39.146	ug/L	94
18) Methyl tert-butyl Ether	2.706	73	284817	48.301	ug/L	99
19) 1,1-Dichloroethane	3.114	63	160152	42.088	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	107617	48.802	ug/L	97
22) 2-Butanone	3.870	43	134831	82.314	ug/L	97
23) Bromochloromethane	4.150	128	54600	44.361	ug/L	99
25) Chloroform	4.278	83	187007	43.119	ug/L	98

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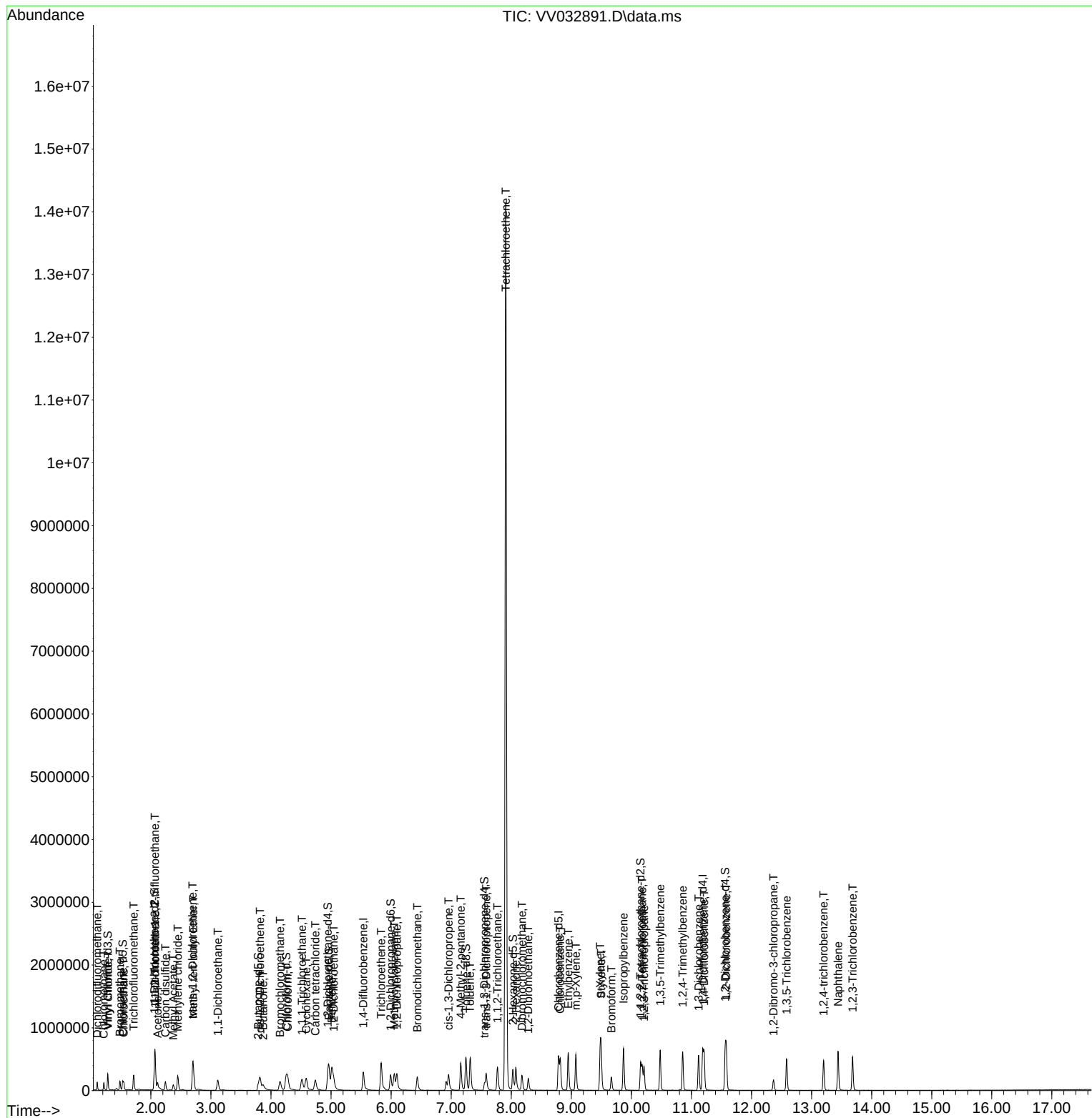
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	147154	47.081	ug/L	97
29) Cyclohexane	4.587	56	89890	33.805	ug/L #	91
30) 1,1,1-Trichloroethane	4.516	97	148971	42.026	ug/L	99
31) Carbon tetrachloride	4.738	117	125520	40.072	ug/L	100
33) Benzene	5.011	78	345279	44.010	ug/L	100
34) Trichloroethene	5.834	95	161602	73.995	ug/L	98
35) Methylcyclohexane	6.053	83	112759	32.996	ug/L	99
37) 1,2-Dichloropropane	6.095	63	100470	48.244	ug/L	98
38) Bromodichloromethane	6.436	83	148641	45.496	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	145195	46.473	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	283669	114.936	ug/L	99
42) Toluene	7.317	91	401103	44.893	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	155674	48.511	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	117520	49.198	ug/L	98
46) Tetrachloroethene	7.908	164	3086770	1566.457	ug/L	99
48) 2-Hexanone	8.075	43	213789	96.545	ug/L	95
49) Dibromochloromethane	8.178	129	119834	47.985	ug/L	99
50) 1,2-Dibromoethane	8.284	107	121080	49.754	ug/L	100
51) Chlorobenzene	8.815	112	273309	43.209	ug/L	99
52) Ethylbenzene	8.950	91	417227	42.334	ug/L	99
53) m,p-Xylene	9.075	106	161294	43.001	ug/L	99
54) o-Xylene	9.481	106	163156	44.899	ug/L	94
55) Styrene	9.497	104	295724	46.698	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	182869	51.115	ug/L	98
59) Bromoform	9.667	173	91072	50.609	ug/L	99
60) Isopropylbenzene	9.870	105	418396	42.985	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	141877	52.921	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	329119	42.969	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	321702	43.907	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	227794	44.923	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	237288	44.350	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	243151	46.971	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	37865	54.270	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	146906	40.131	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	137085	43.302	ug/L	99
71) Naphthalene	13.442	128	477554	60.406	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	154438	48.859	ug/L	99

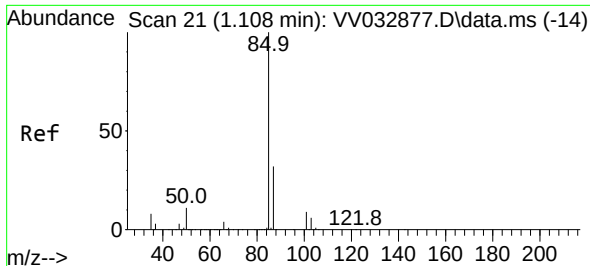
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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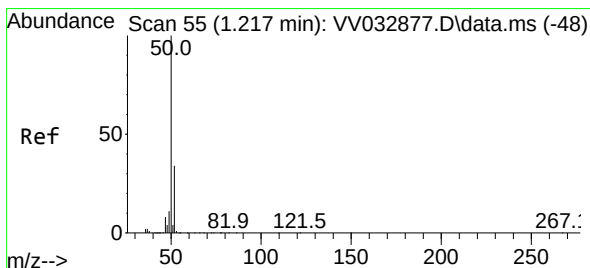
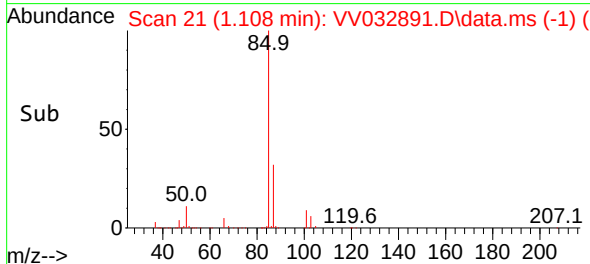
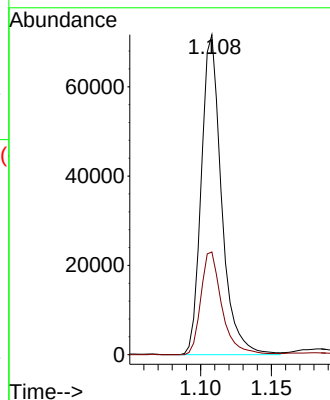
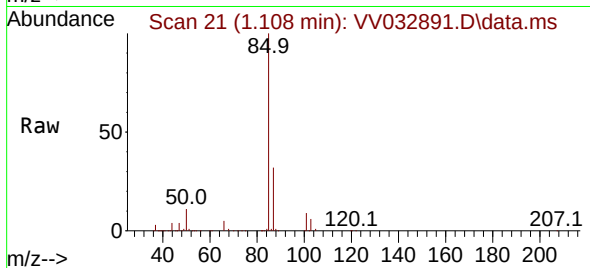




#2
 Dichlorodifluoromethane
 Concen: 28.912 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

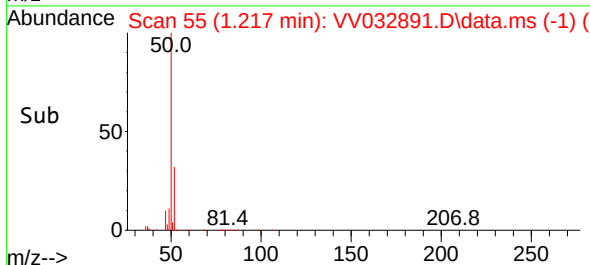
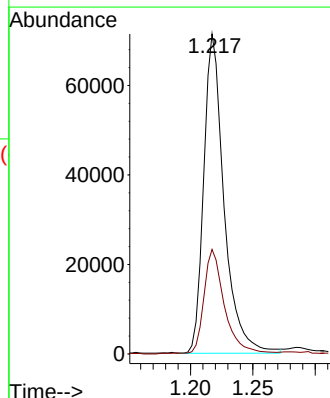
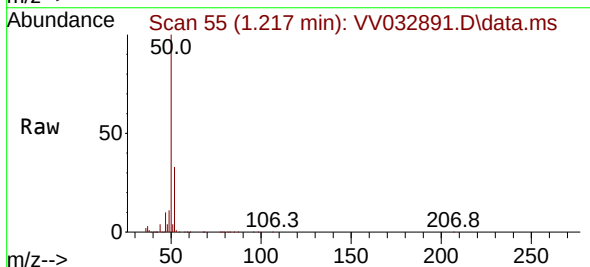
Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MSD

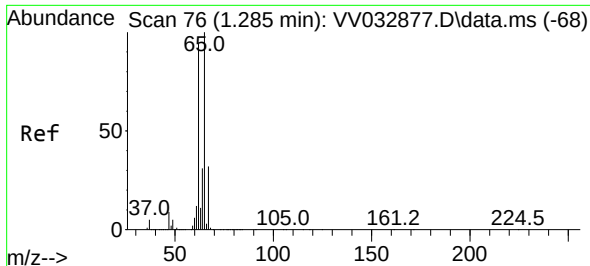
Tgt Ion: 85 Resp: 71157
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.2 39.4



#3
 Chloromethane
 Concen: 34.011 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

Tgt Ion: 50 Resp: 80981
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.5 43.7





#5
 Vinyl chloride
 Concen: 31.883 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

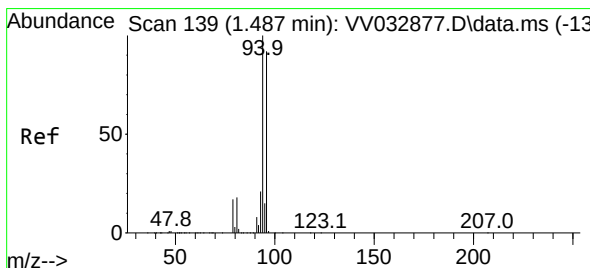
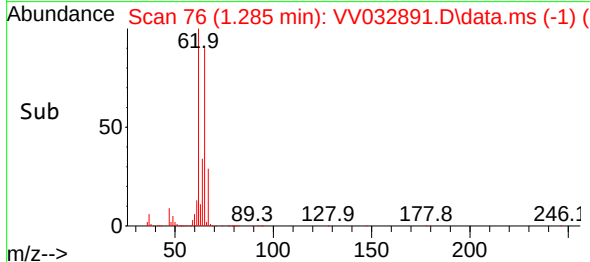
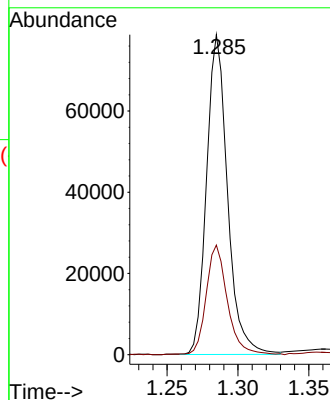
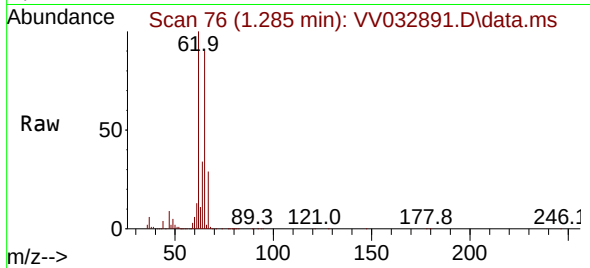
Instrument :

MSVOA_V

ClientSampleId :

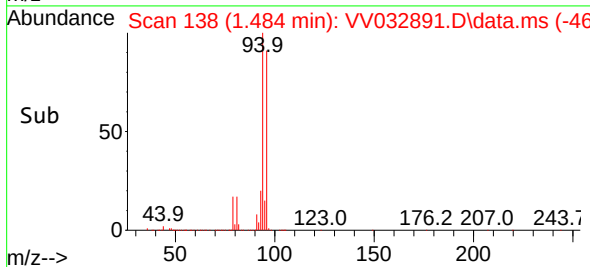
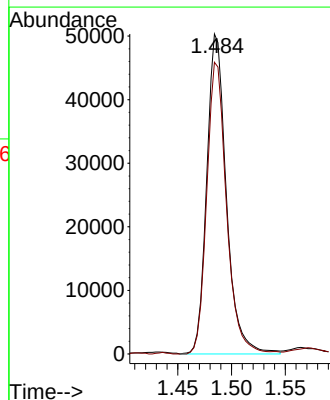
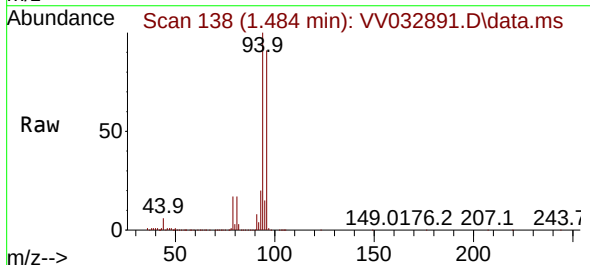
E45K3MSD

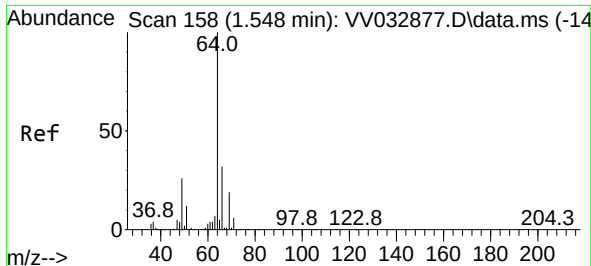
Tgt Ion: 62 Resp: 80947
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.2 43.0



#6
 Bromomethane
 Concen: 36.130 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

Tgt Ion: 94 Resp: 64005
 Ion Ratio Lower Upper
 94 100
 96 91.1 64.2 119.2

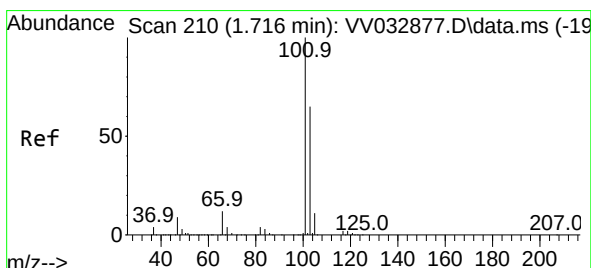
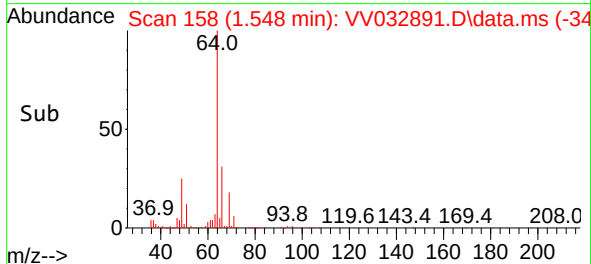
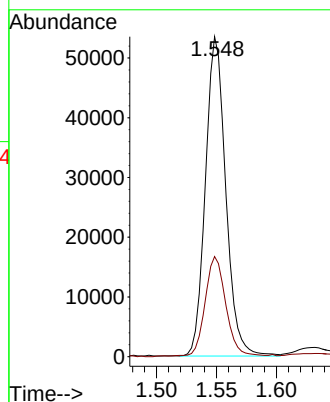
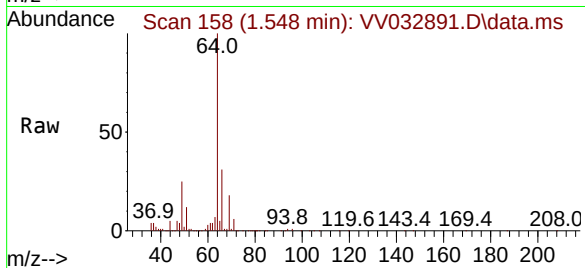




#8
Chloroethane
Concen: 36.966 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

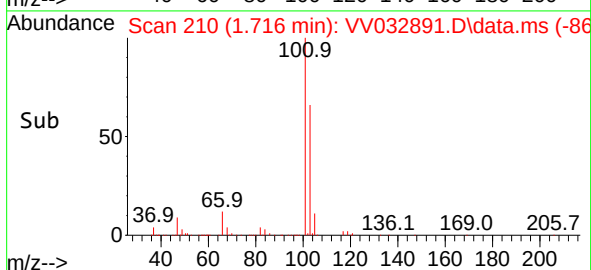
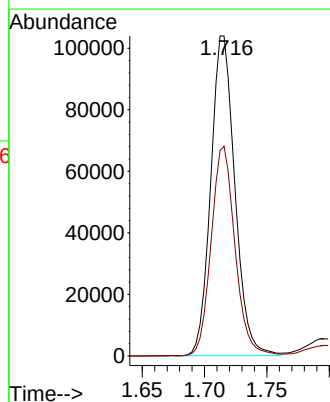
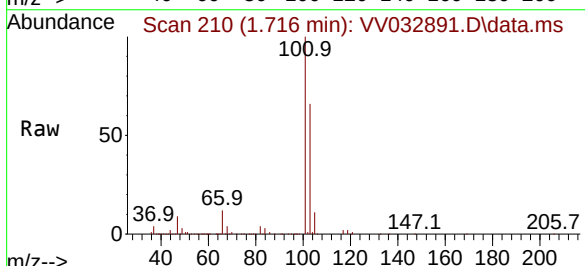
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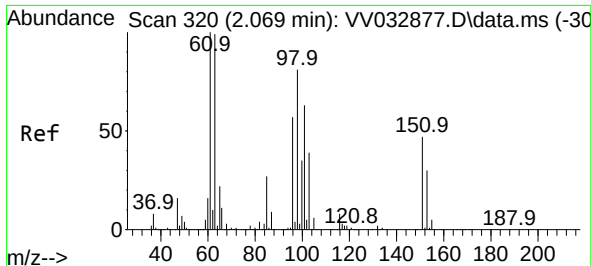
Tgt Ion: 64 Resp: 63181
Ion Ratio Lower Upper
64 100
66 31.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 34.658 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 101 Resp: 140226
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5





#10

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

Concen: 33.849 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

E45K3MSD

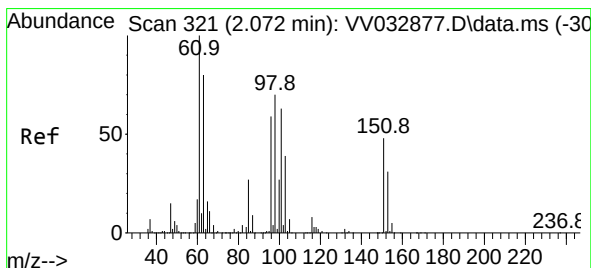
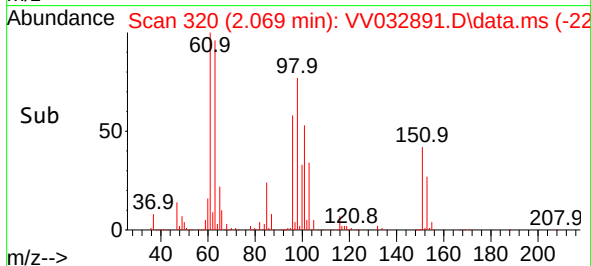
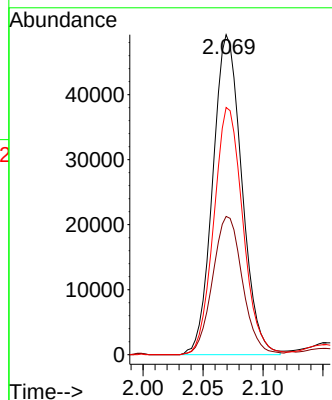
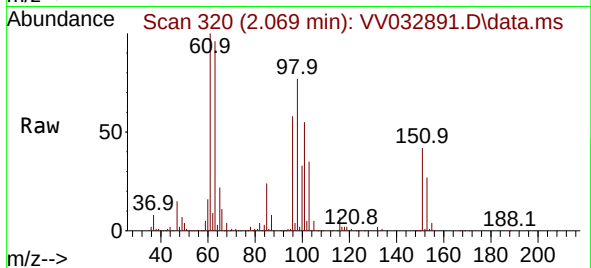
Tgt Ion:101 Resp: 82865

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 77.5 59.9 89.9



#12

1,1-Dichloroethene

Concen: 36.765 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

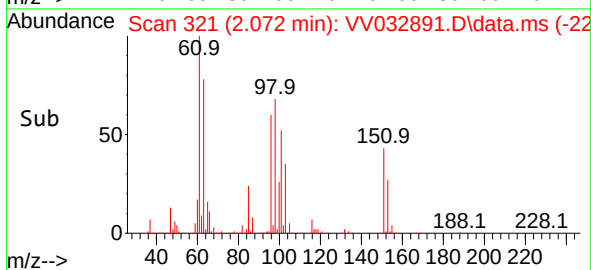
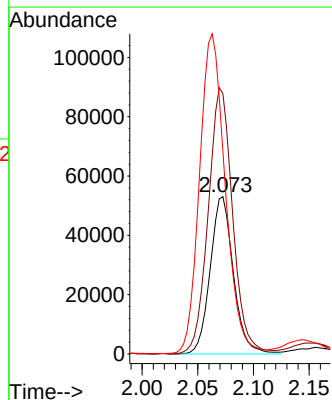
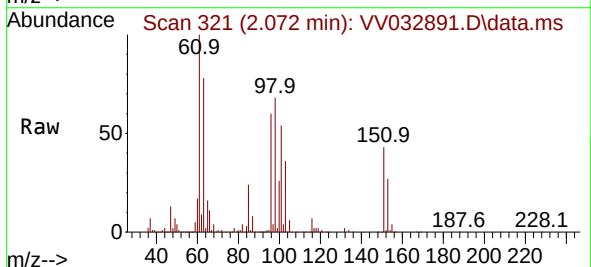
Tgt Ion: 96 Resp: 76912

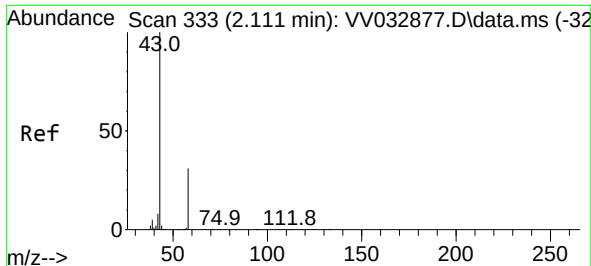
Ion Ratio Lower Upper

96 100

61 165.5 124.2 230.6

63 128.8 111.8 207.6





#13

Acetone

Concen: 55.918 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

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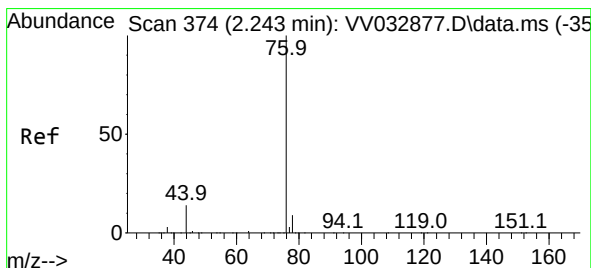
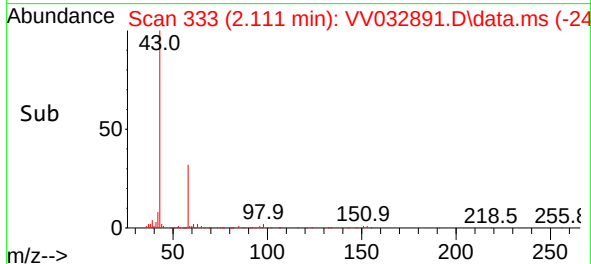
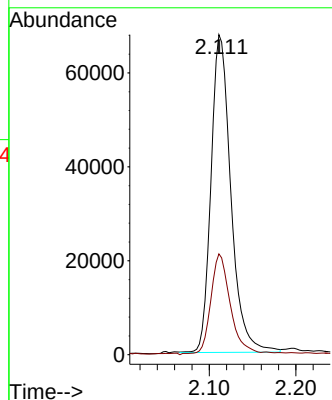
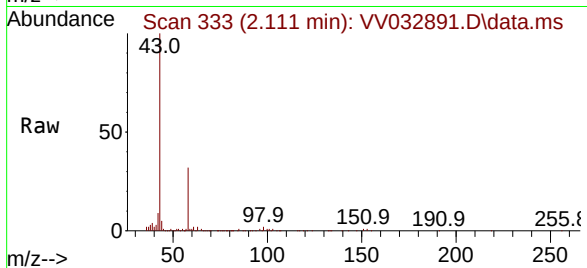
E45K3MSD

Tgt Ion: 43 Resp: 108005

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.2



#14

Carbon disulfide

Concen: 31.392 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032891.D

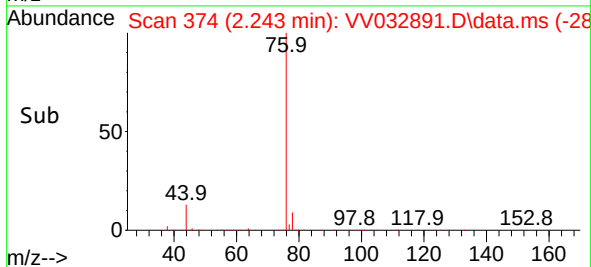
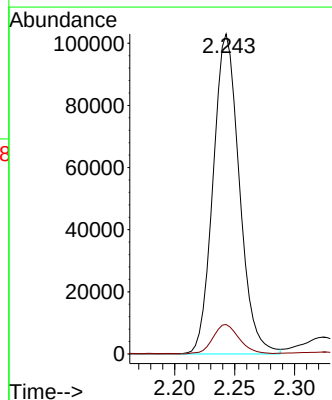
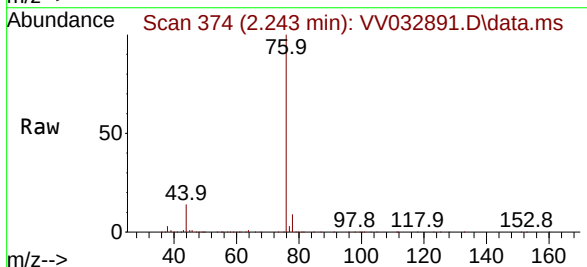
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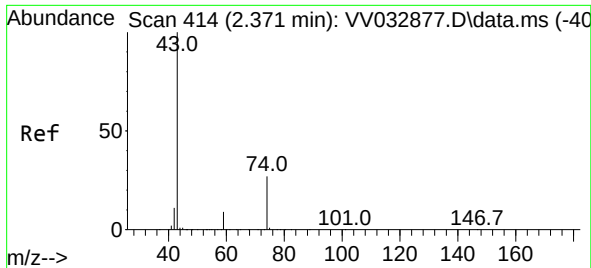
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Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

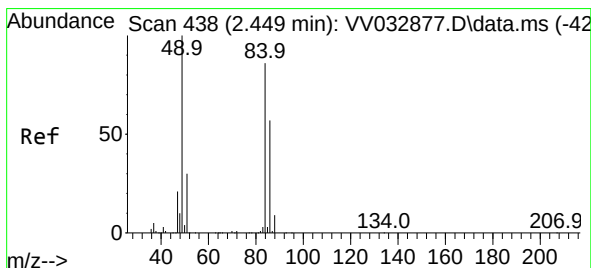
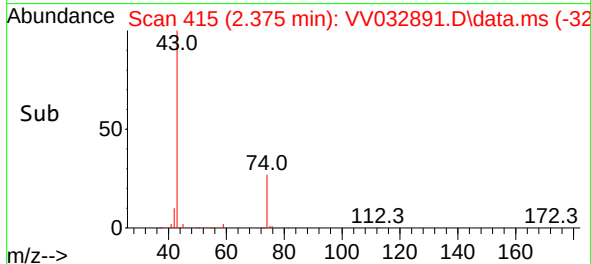
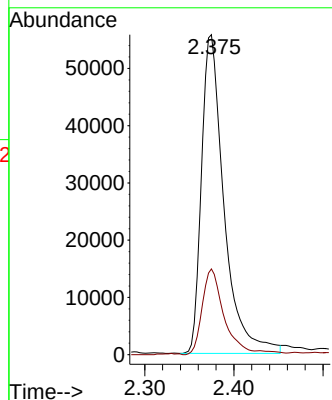
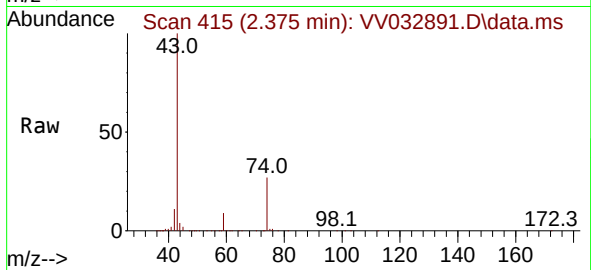




#15
Methyl Acetate
Concen: 49.953 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

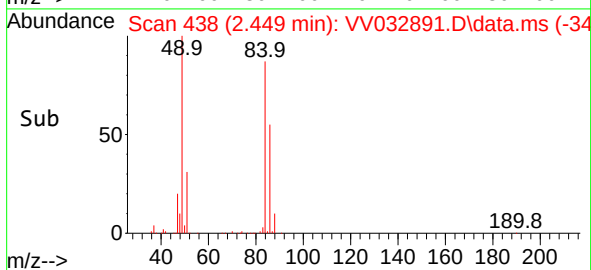
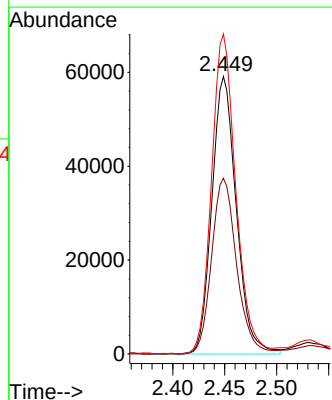
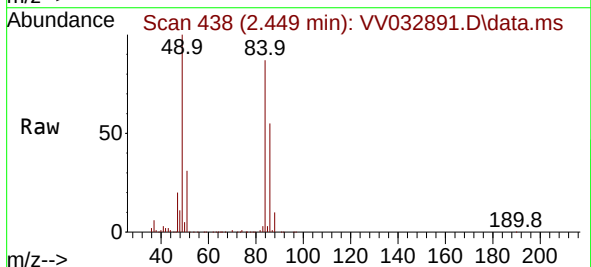
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

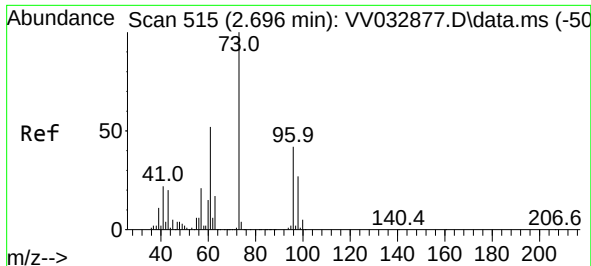
Tgt Ion: 43 Resp: 97828
Ion Ratio Lower Upper
43 100
74 25.6 20.6 30.8



#16
Methylene chloride
Concen: 34.895 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 84 Resp: 96830
Ion Ratio Lower Upper
84 100
86 63.3 45.0 83.6
49 115.3 81.2 150.8

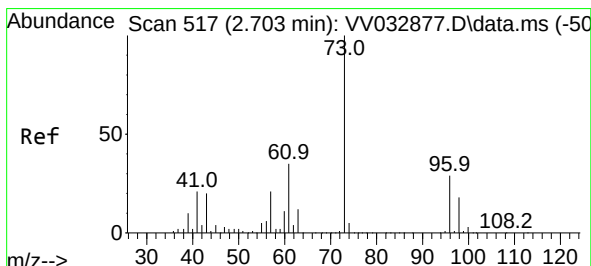
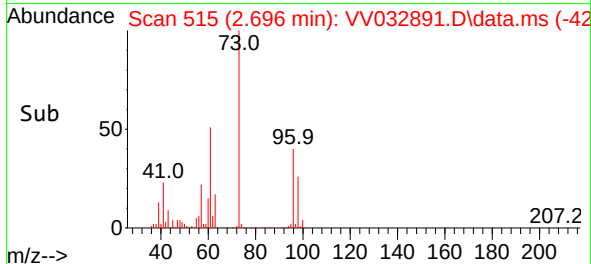
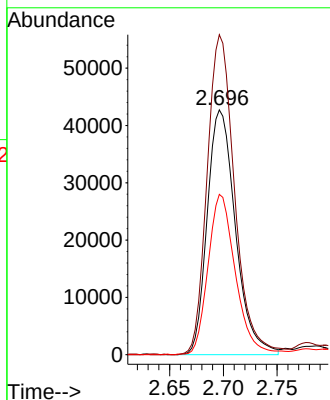
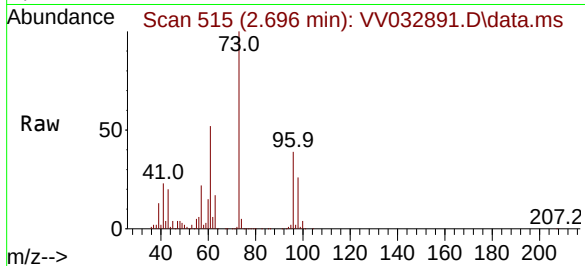




#17
trans-1,2-Dichloroethene
Concen: 39.146 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

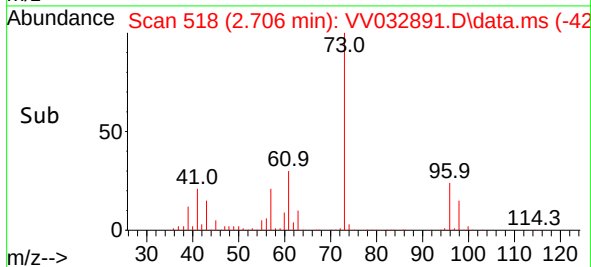
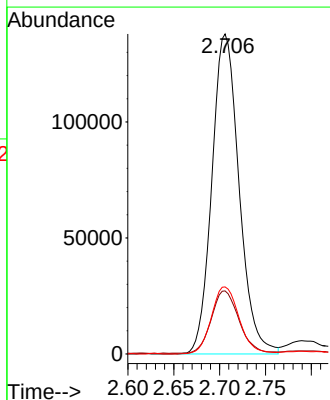
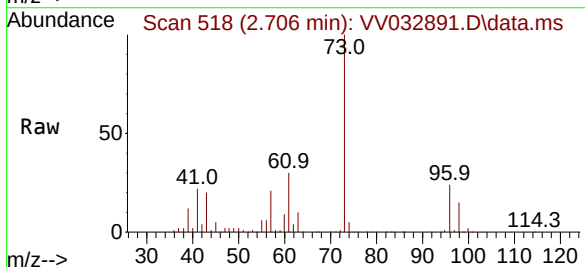
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

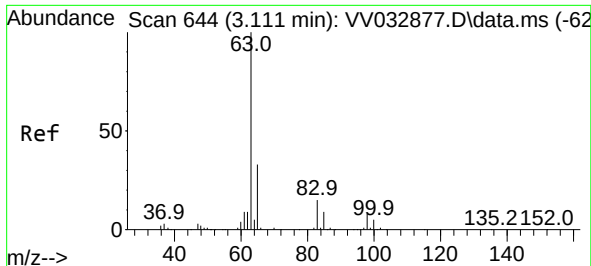
Tgt Ion: 96 Resp: 78163
Ion Ratio Lower Upper
96 100
61 130.7 86.9 161.3
98 65.5 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 48.301 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 73 Resp: 284817
Ion Ratio Lower Upper
73 100
43 19.7 16.1 24.1
57 21.4 17.4 26.0





#19

1,1-Dichloroethane

Concen: 42.088 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

E45K3MSD

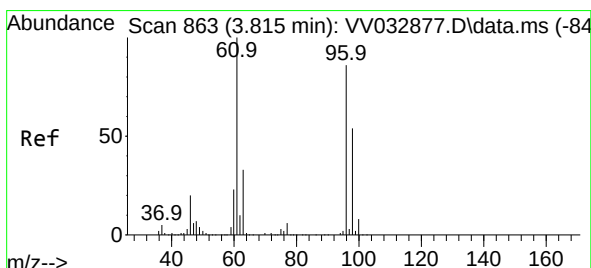
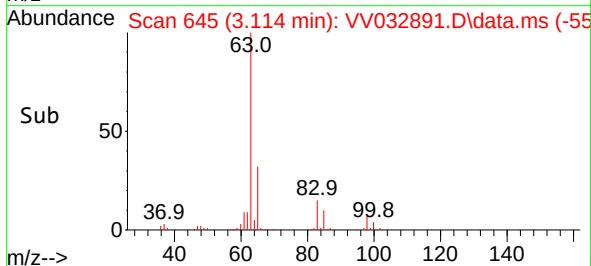
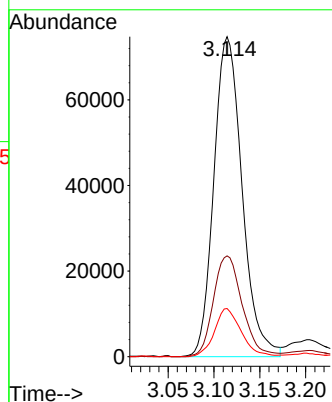
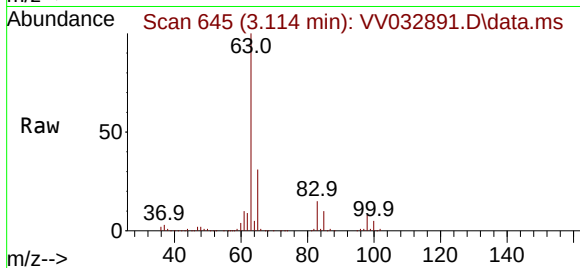
Tgt Ion: 63 Resp: 160152

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 15.1 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 48.802 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

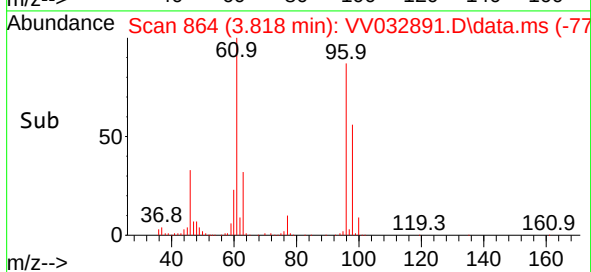
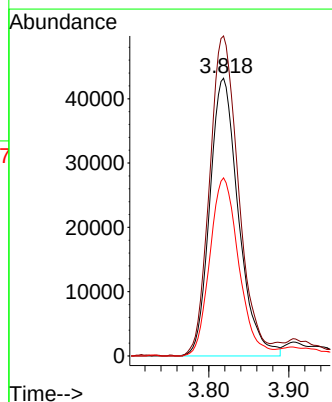
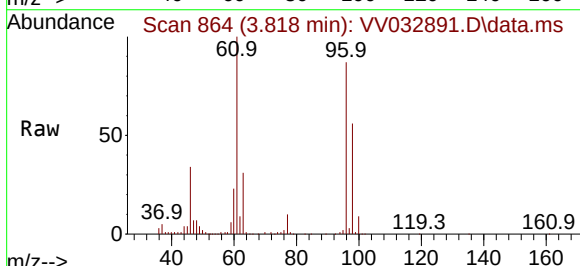
Tgt Ion: 96 Resp: 107617

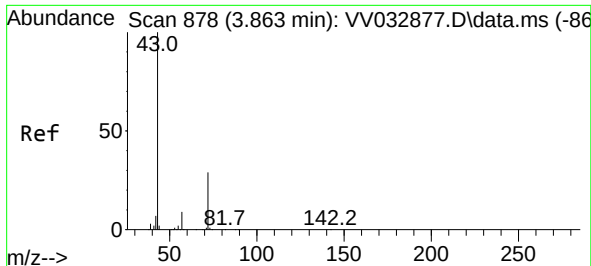
Ion Ratio Lower Upper

96 100

61 115.2 83.3 154.7

98 64.1 44.2 82.2

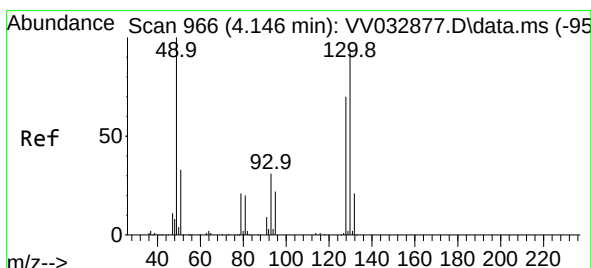
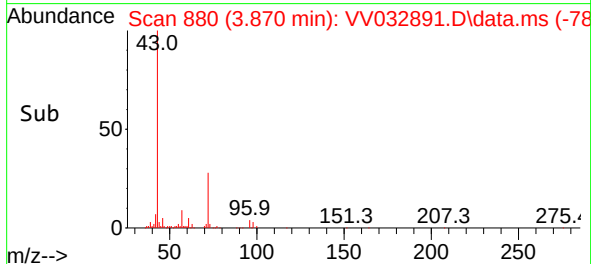
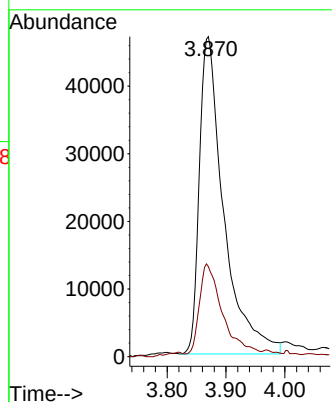
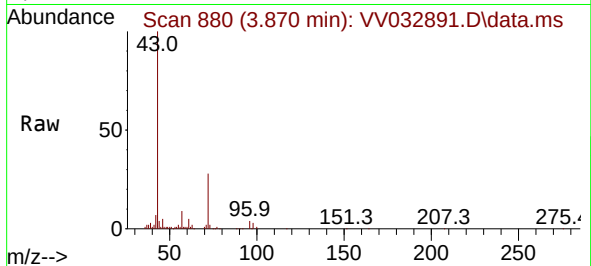




#22
2-Butanone
Concen: 82.314 ug/L
RT: 3.870 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

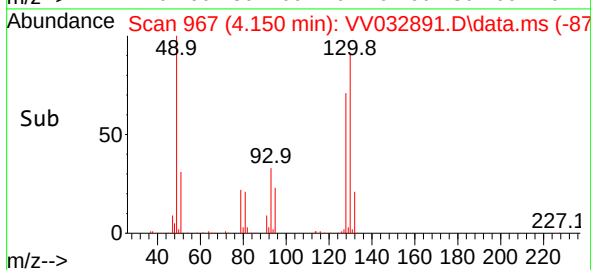
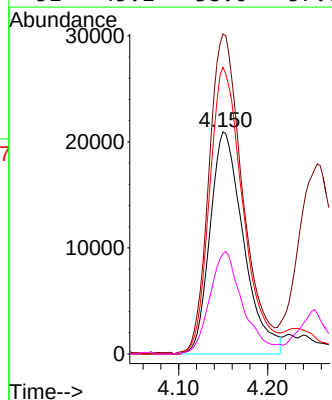
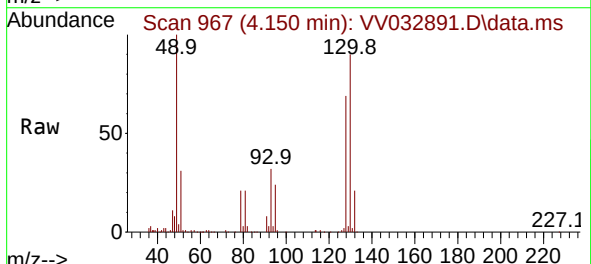
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

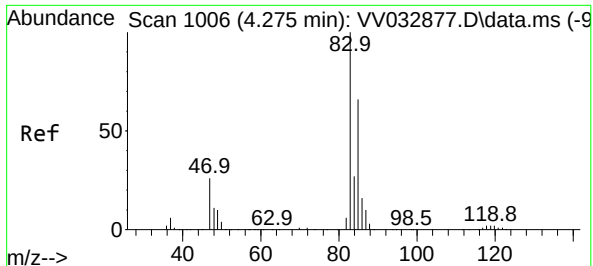
Tgt Ion: 43 Resp: 134831
Ion Ratio Lower Upper
43 100
72 25.4 13.5 40.4



#23
Bromochloromethane
Concen: 44.361 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion:128 Resp: 54600
Ion Ratio Lower Upper
128 100
49 144.1 101.0 187.6
130 129.1 88.5 164.4
51 45.1 38.0 57.0





#25

Chloroform

Concen: 43.119 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

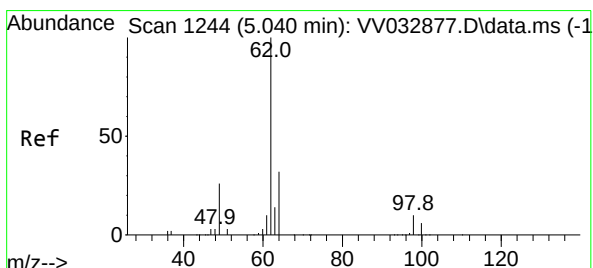
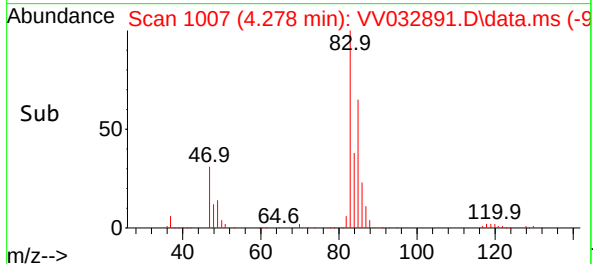
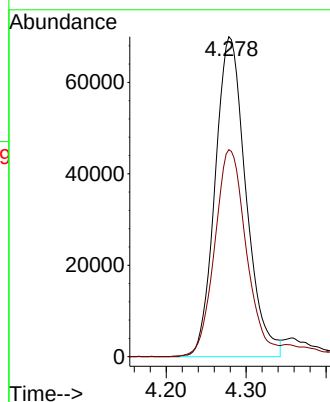
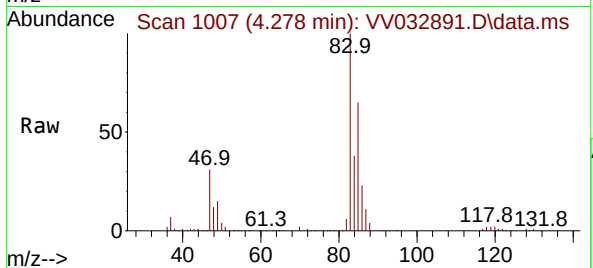
E45K3MSD

Tgt Ion: 83 Resp: 187007

Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 47.081 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032891.D

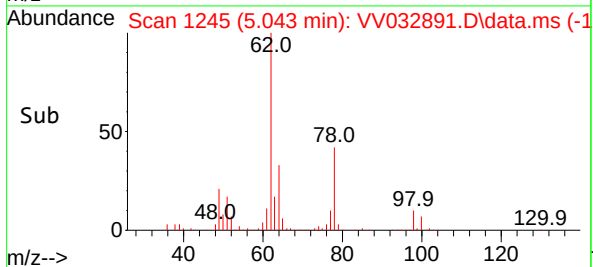
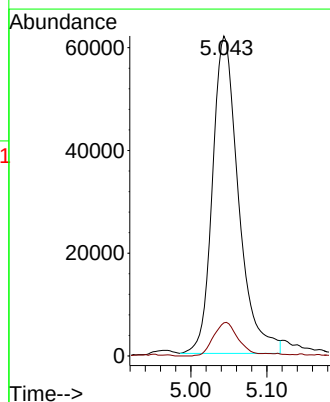
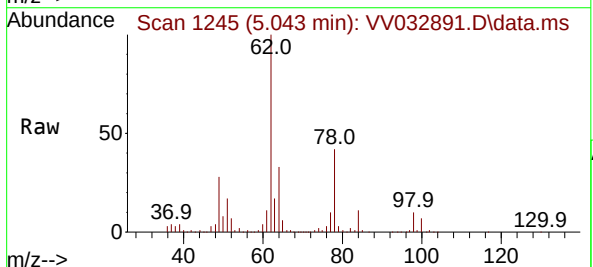
Acq: 10 Nov 2023 14:54

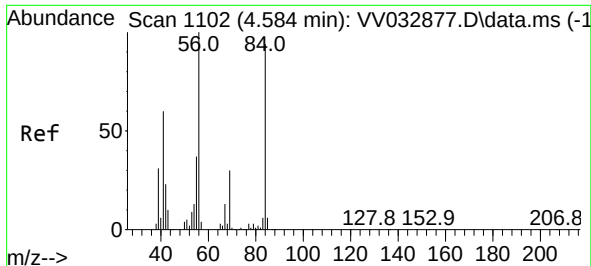
Tgt Ion: 62 Resp: 147154

Ion Ratio Lower Upper

62 100

98 10.4 7.5 11.3





#29

Cyclohexane

Concen: 33.805 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

E45K3MSD

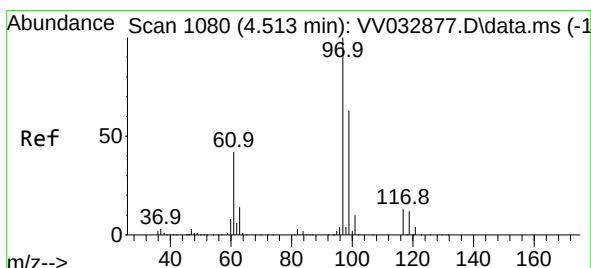
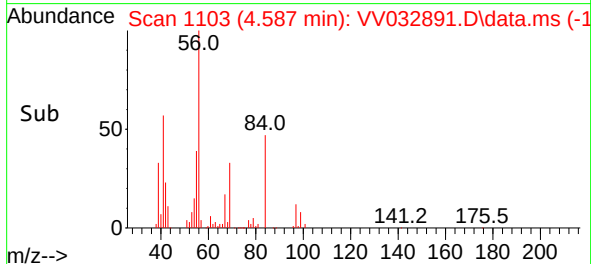
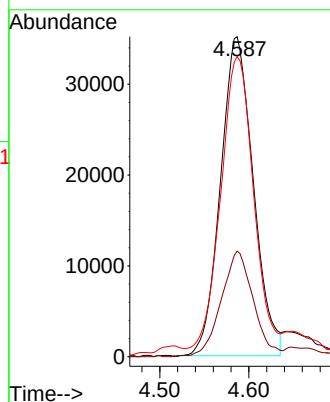
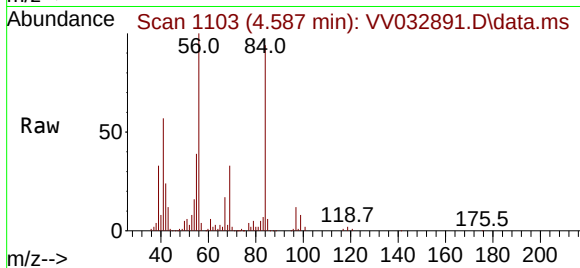
Tgt Ion: 56 Resp: 89890

Ion Ratio Lower Upper

56 100

69 31.3 13.4 20.0#

84 89.9 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 42.026 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

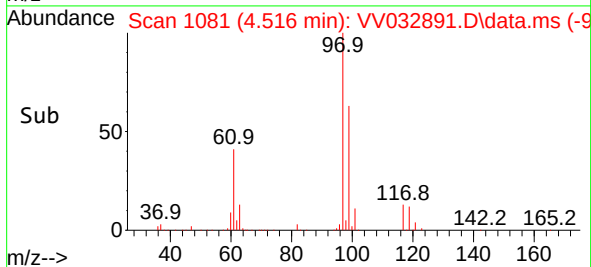
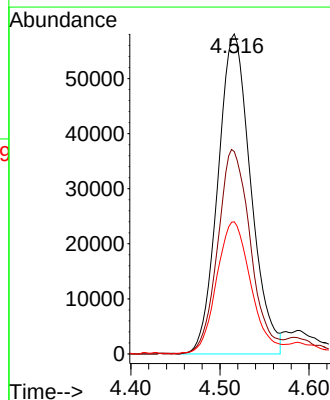
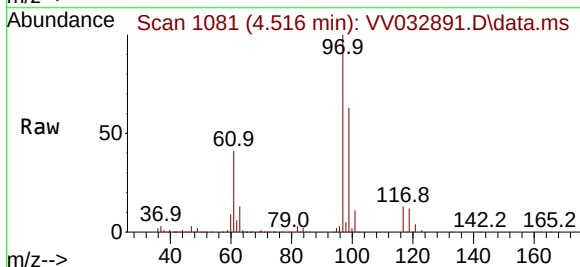
Tgt Ion: 97 Resp: 148971

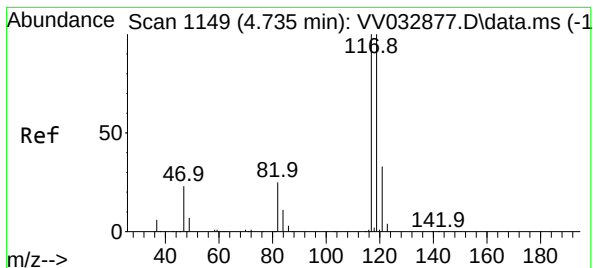
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 42.2 34.8 52.2





#31

Carbon tetrachloride

Concen: 40.072 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

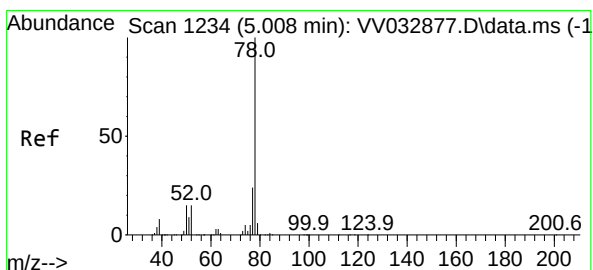
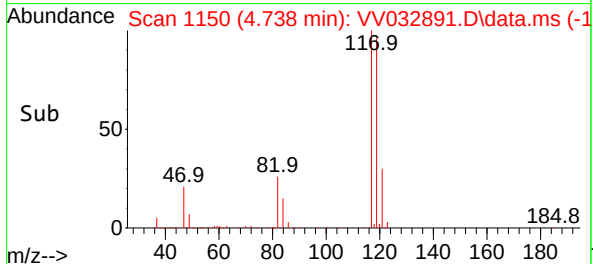
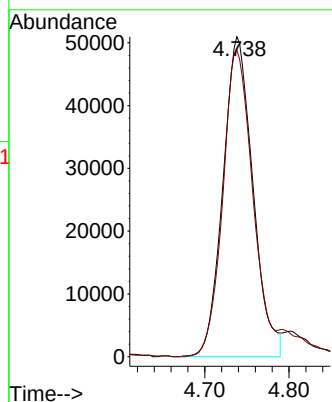
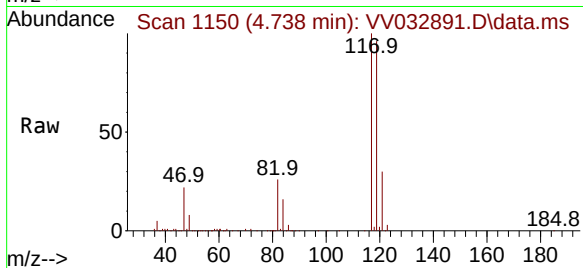
E45K3MSD

Tgt Ion:117 Resp: 125520

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



#33

Benzene

Concen: 44.010 ug/L

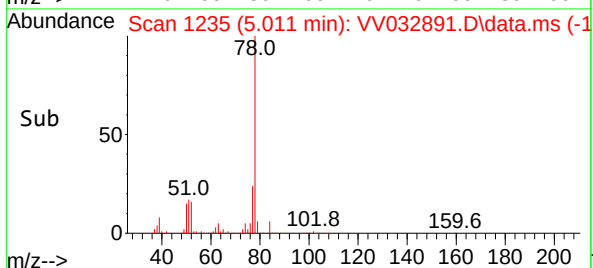
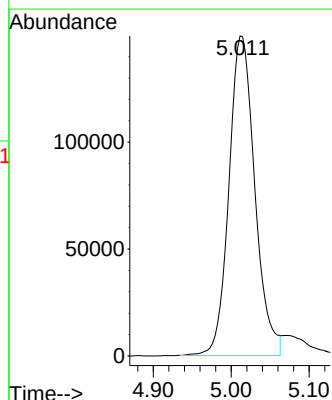
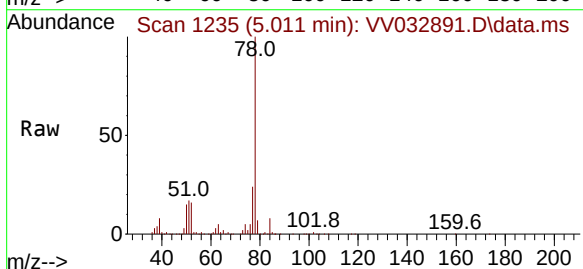
RT: 5.011 min Scan# 1235

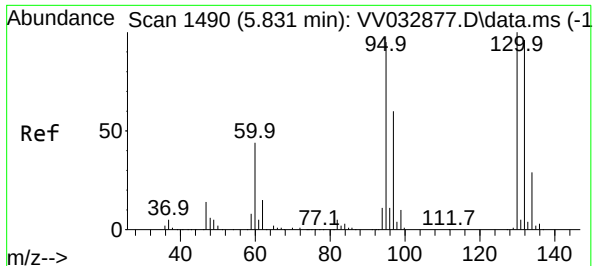
Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Tgt Ion: 78 Resp: 345279

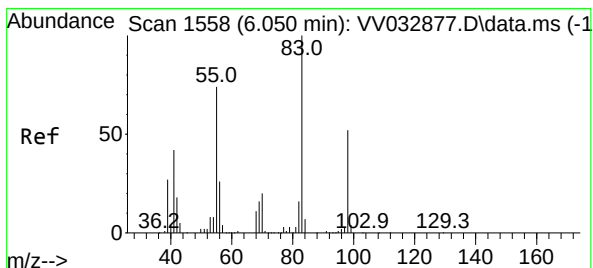
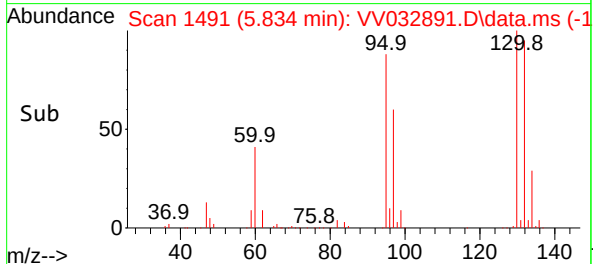
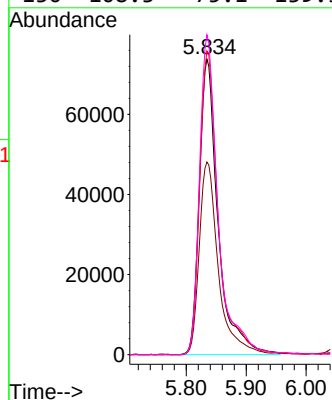
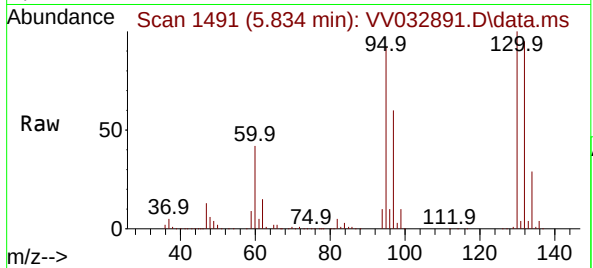




#34
Trichloroethene
Concen: 73.995 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

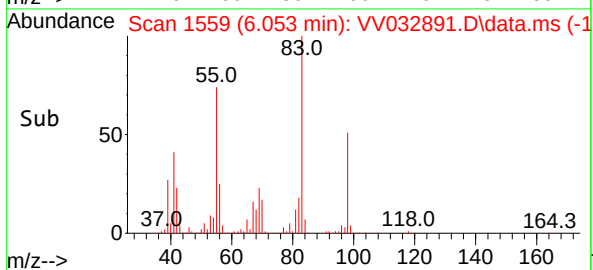
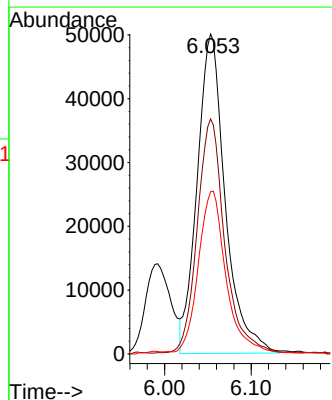
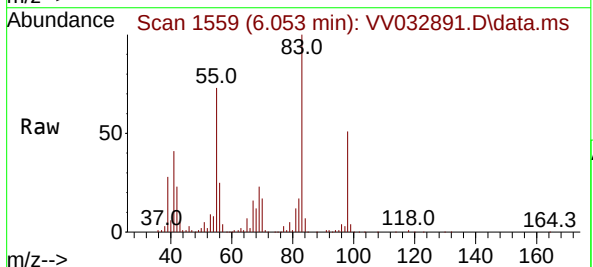
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

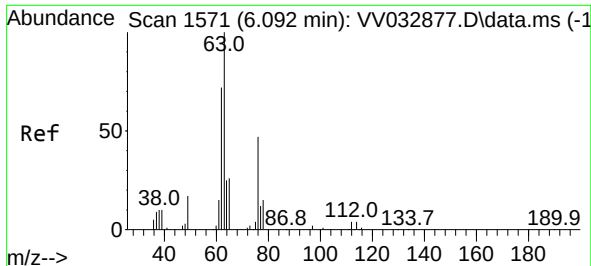
Tgt Ion: 95 Resp: 161602
Ion Ratio Lower Upper
95 100
97 65.2 46.3 85.9
132 102.8 69.0 128.2
130 108.3 75.1 139.5



#35
Methylcyclohexane
Concen: 32.996 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 83 Resp: 112759
Ion Ratio Lower Upper
83 100
55 72.0 57.8 86.8
98 50.2 39.4 59.2





#37

1,2-Dichloropropane

Concen: 48.244 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

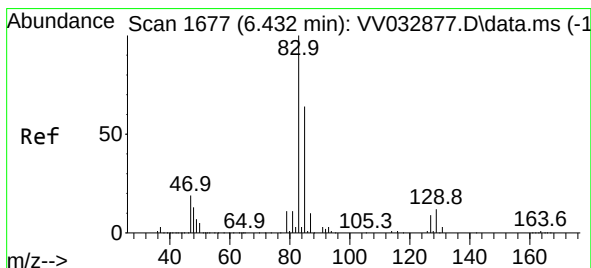
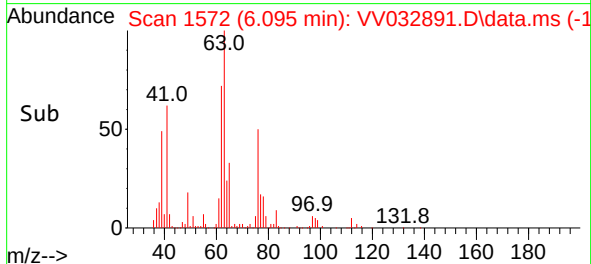
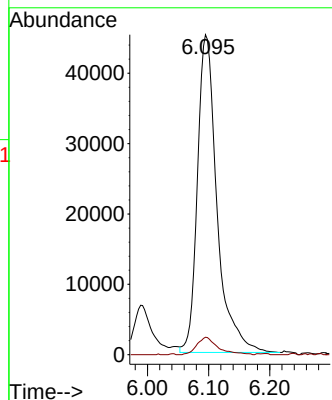
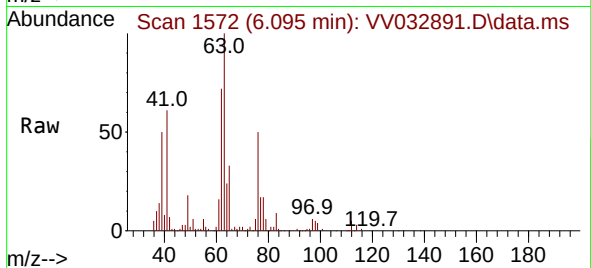
E45K3MSD

Tgt Ion: 63 Resp: 100470

Ion Ratio Lower Upper

63 100

112 5.8 4.1 6.1



#38

Bromodichloromethane

Concen: 45.496 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

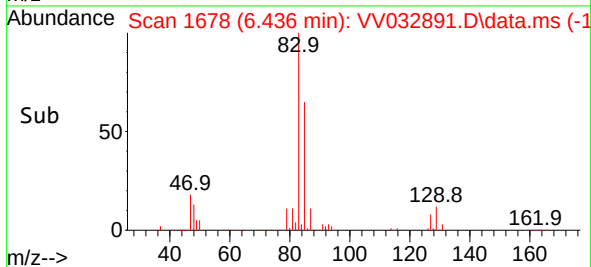
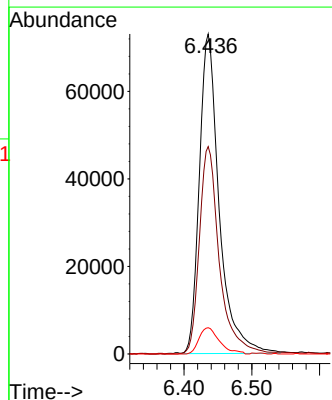
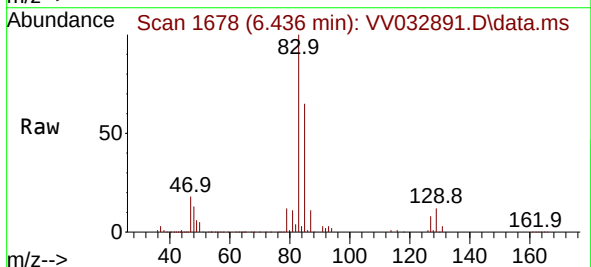
Tgt Ion: 83 Resp: 148641

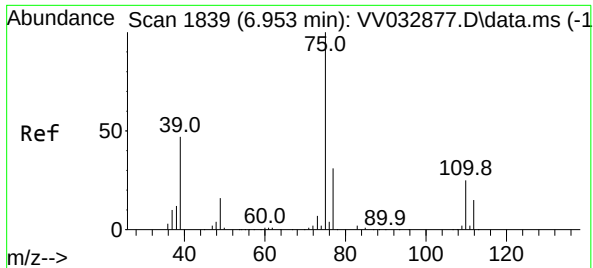
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 46.473 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

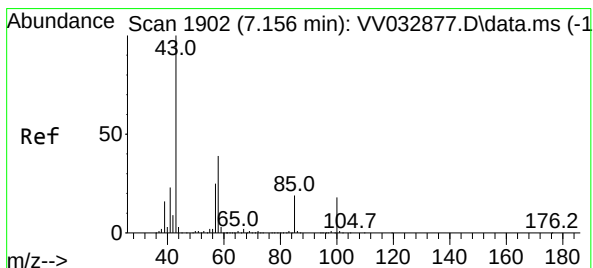
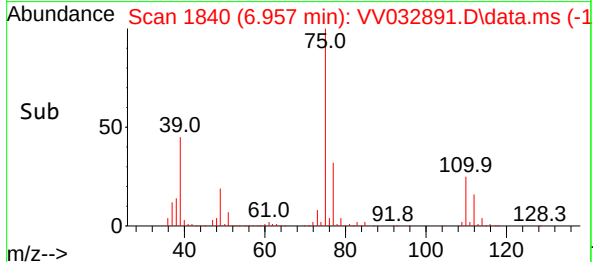
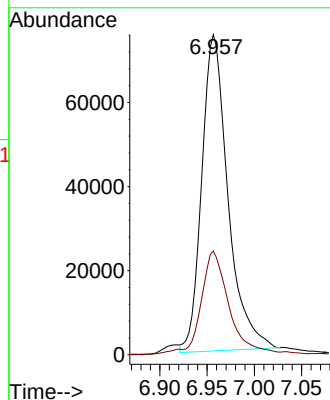
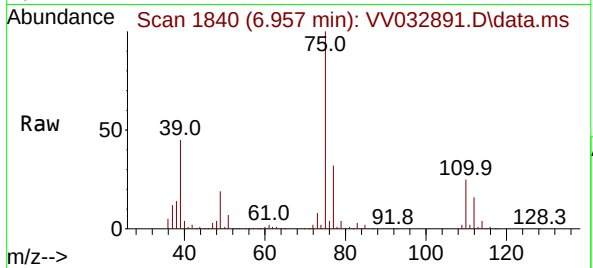
E45K3MSD

Tgt Ion: 75 Resp: 145195

Ion Ratio Lower Upper

75 100

77 32.4 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 114.936 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

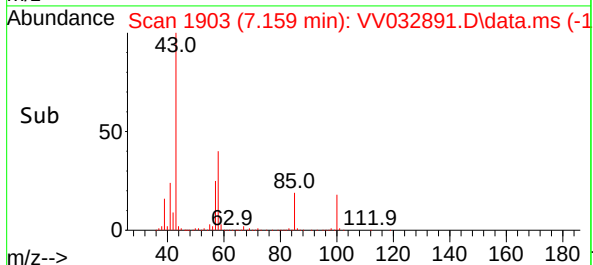
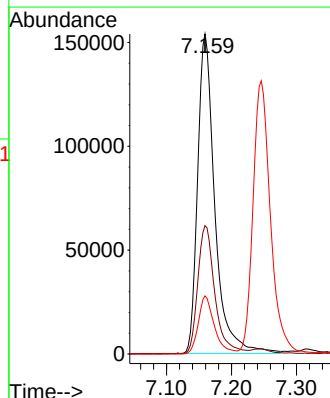
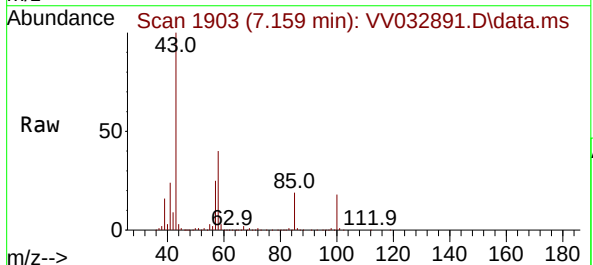
Tgt Ion: 43 Resp: 283669

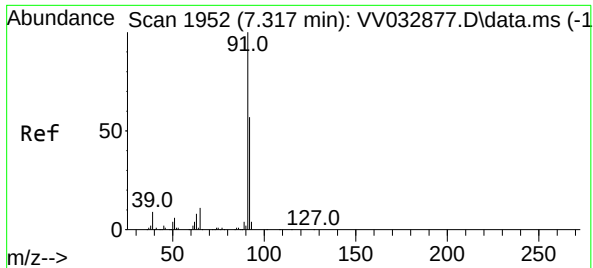
Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.0

100 16.9 13.3 19.9





#42

Toluene

Concen: 44.893 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

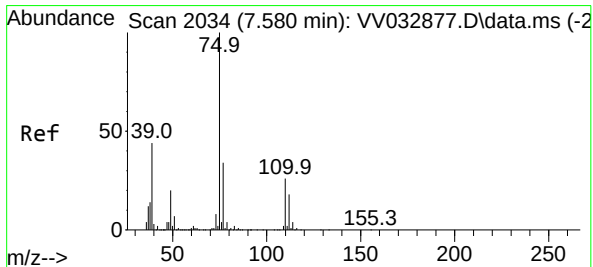
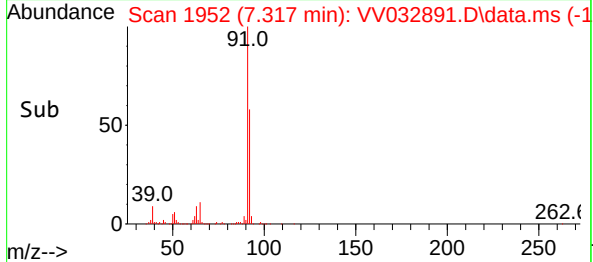
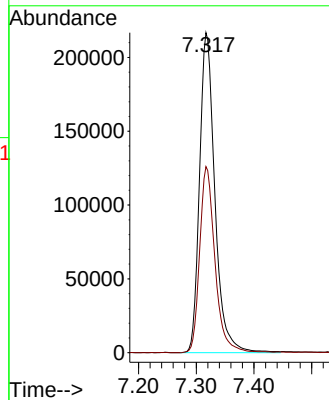
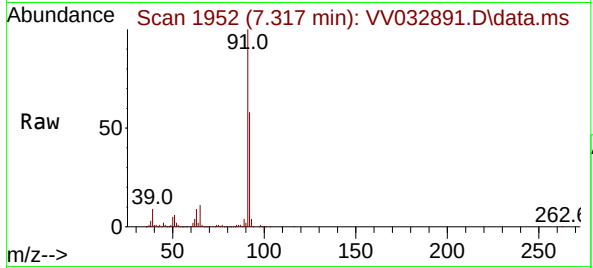
E45K3MSD

Tgt Ion: 91 Resp: 401103

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 48.511 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032891.D

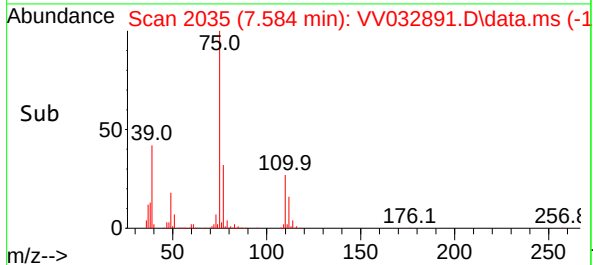
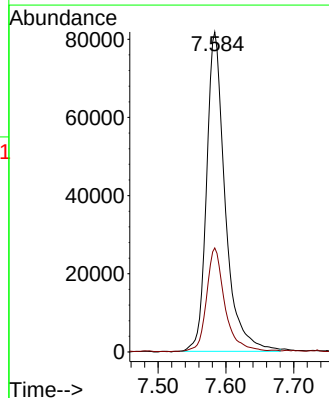
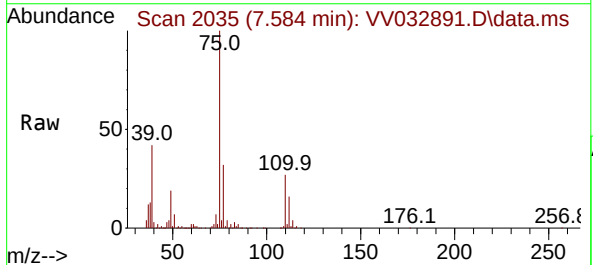
Acq: 10 Nov 2023 14:54

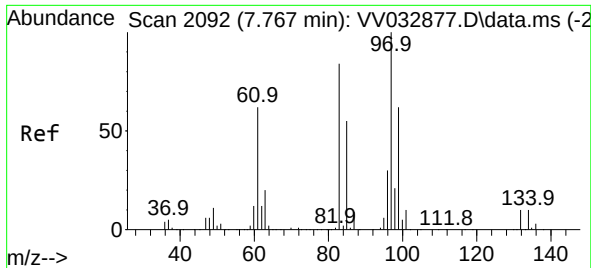
Tgt Ion: 75 Resp: 155674

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8



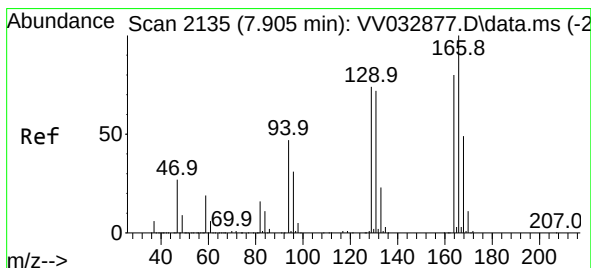
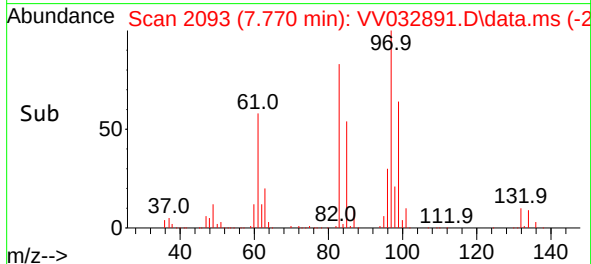
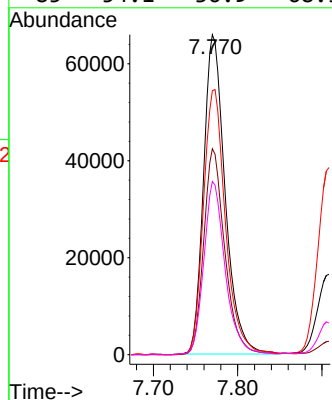
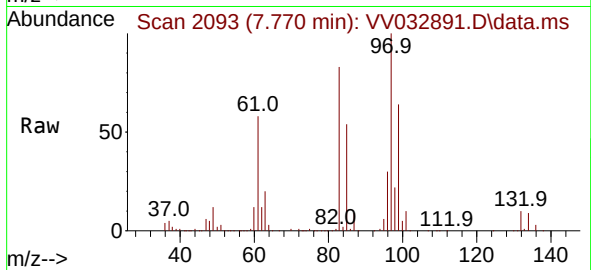


#45
1,1,2-Trichloroethane
Concen: 49.198 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

Tgt Ion: 97 Resp: 117520

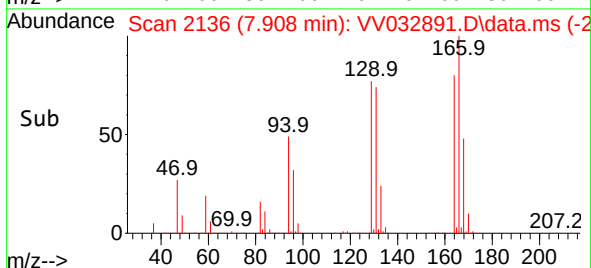
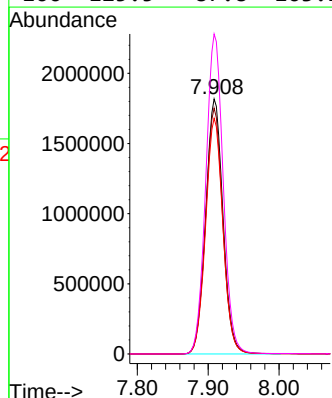
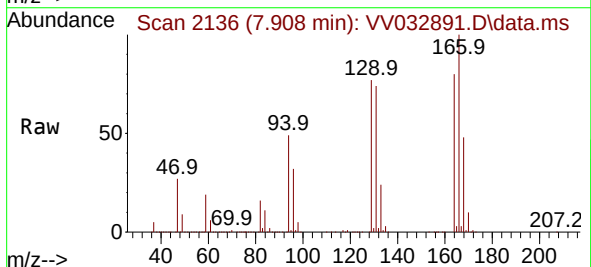
Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.8	79.6
83	82.5	58.4	108.4
85	54.1	36.9	68.5

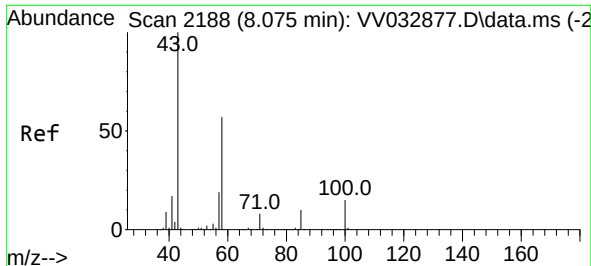


#46
Tetrachloroethene
Concen: 1566.457 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 164 Resp: 3086770

Ion	Ratio	Lower	Upper
164	100		
129	96.4	65.3	121.3
131	92.4	65.0	120.8
166	125.5	87.8	163.2



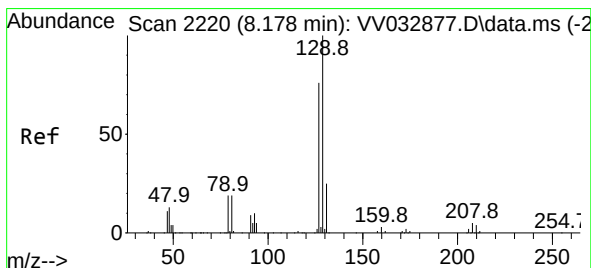
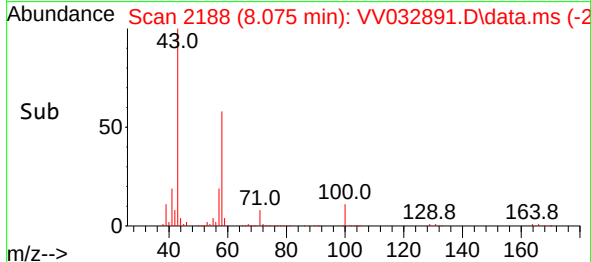
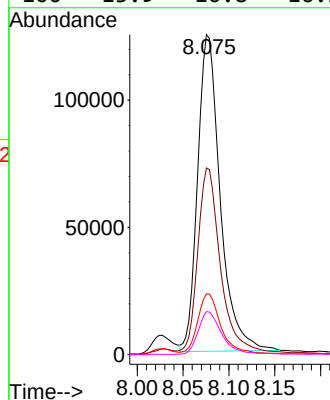
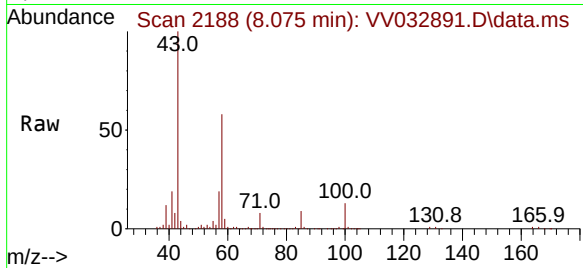


#48
2-Hexanone
Concen: 96.545 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

Tgt Ion: 43 Resp: 213789

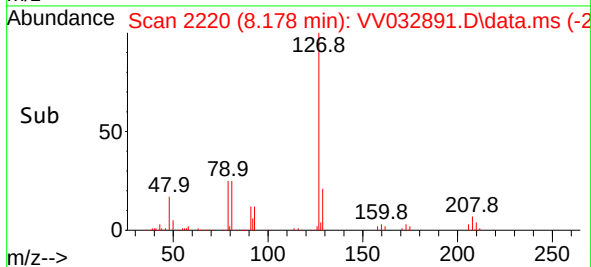
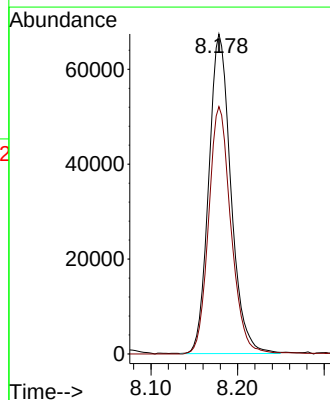
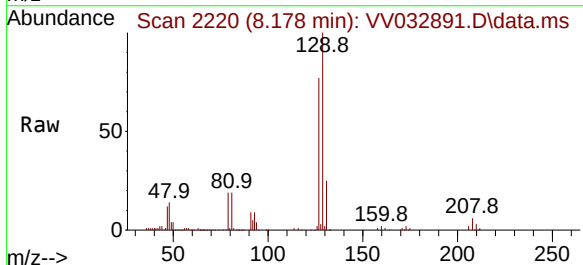
Ion	Ratio	Lower	Upper
43	100		
58	59.7	43.3	64.9
57	19.4	15.5	23.3
100	13.9	10.8	16.2

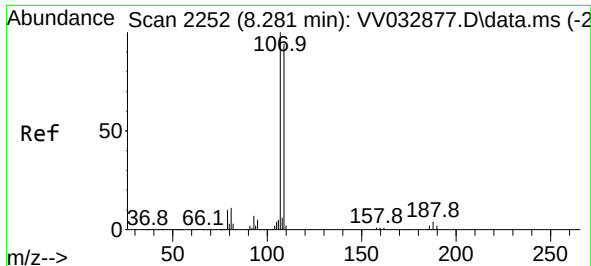


#49
Dibromochloromethane
Concen: 47.985 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 129 Resp: 119834

Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.7	101.5





#50

1,2-Dibromoethane

Concen: 49.754 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

E45K3MSD

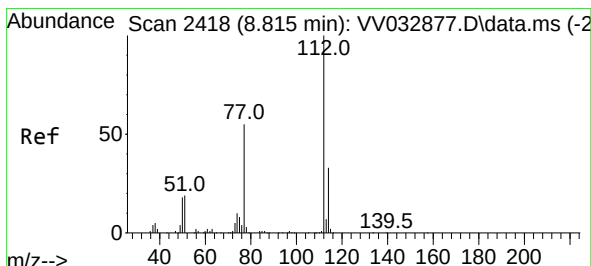
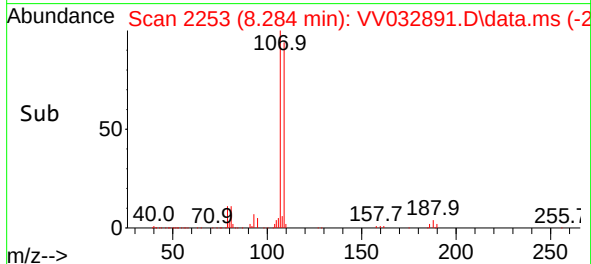
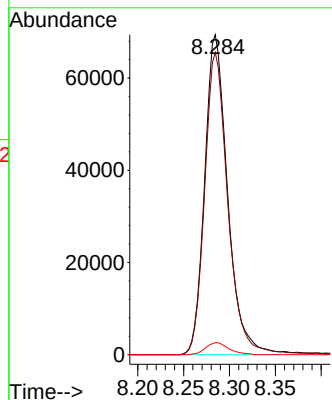
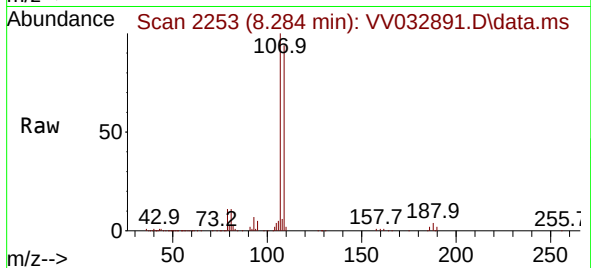
Tgt Ion:107 Resp: 121080

Ion Ratio Lower Upper

107 100

109 94.5 66.4 123.2

188 3.9 3.0 4.6



#51

Chlorobenzene

Concen: 43.209 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

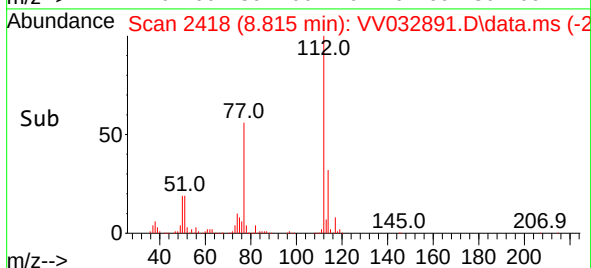
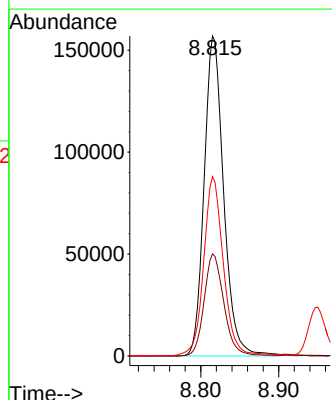
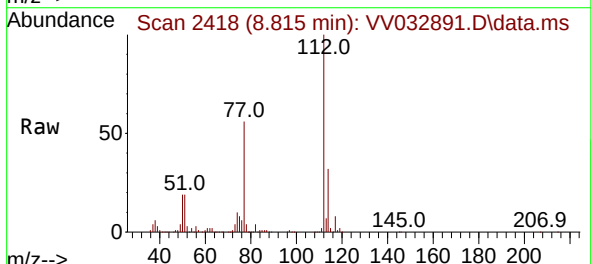
Tgt Ion:112 Resp: 273309

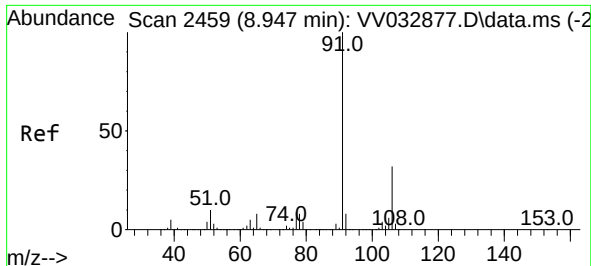
Ion Ratio Lower Upper

112 100

114 31.9 21.6 40.2

77 56.1 44.4 66.6





#52

Ethylbenzene

Concen: 42.334 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

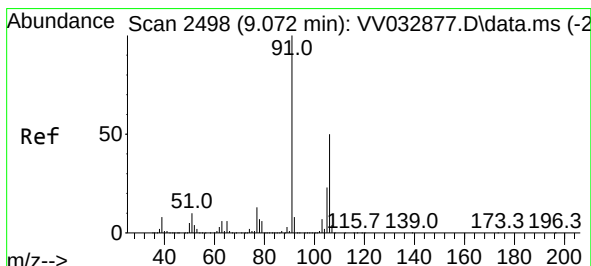
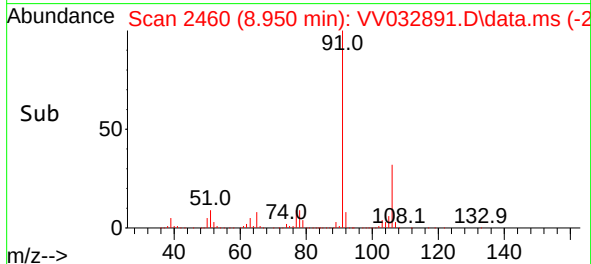
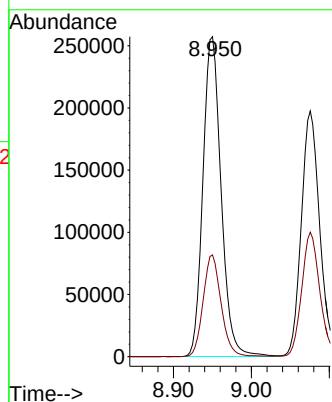
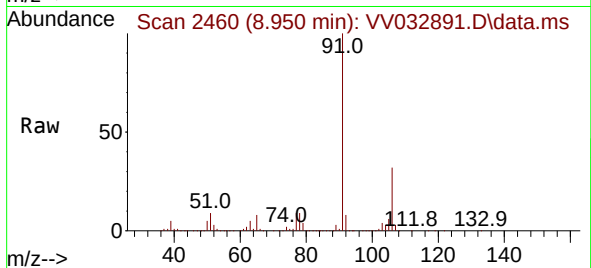
E45K3MSD

Tgt Ion: 91 Resp: 417227

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 43.001 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032891.D

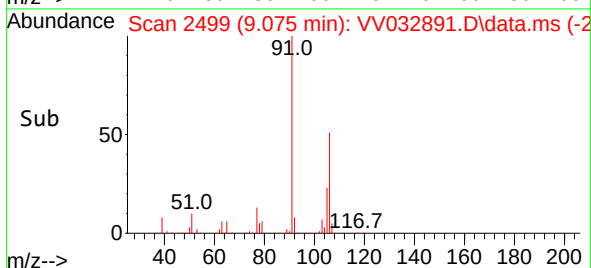
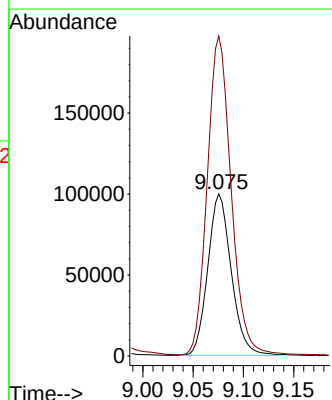
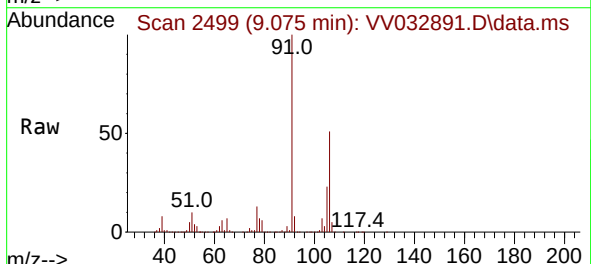
Acq: 10 Nov 2023 14:54

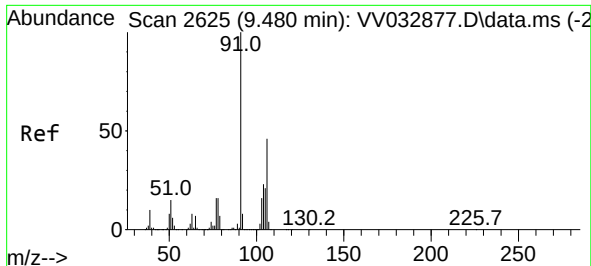
Tgt Ion: 106 Resp: 161294

Ion Ratio Lower Upper

106 100

91 197.5 139.7 259.5

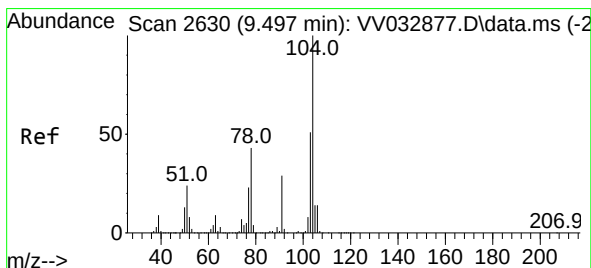
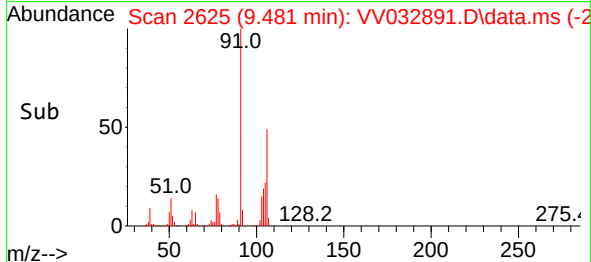
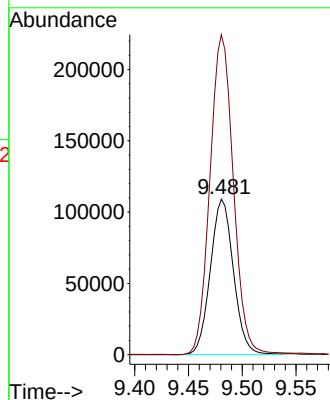
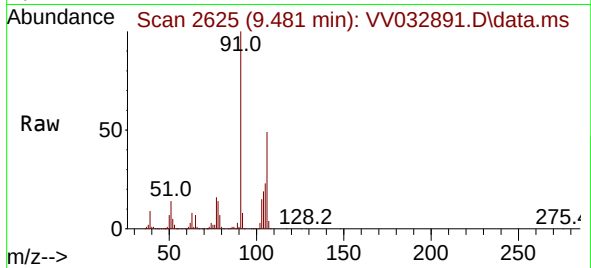




#54
o-Xylene
Concen: 44.899 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

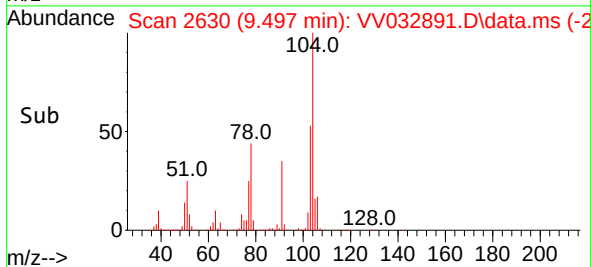
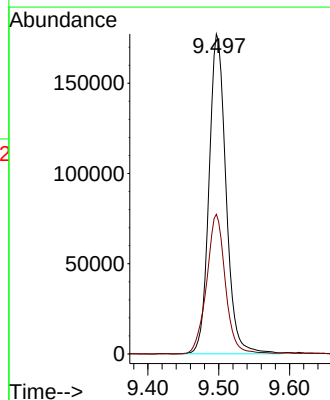
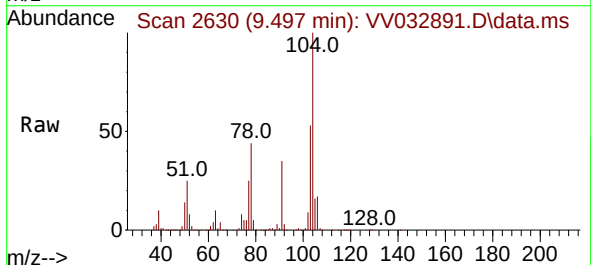
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

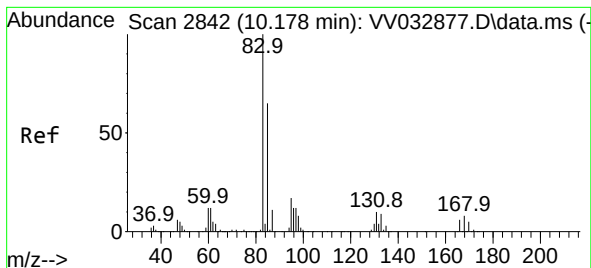
Tgt Ion:106 Resp: 163156
Ion Ratio Lower Upper
106 100
91 205.7 151.0 280.4



#55
Styrene
Concen: 46.698 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion:104 Resp: 295724
Ion Ratio Lower Upper
104 100
78 43.6 30.1 55.9

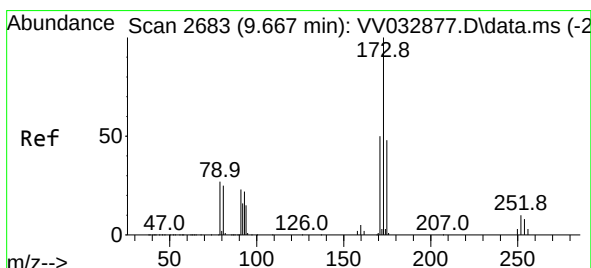
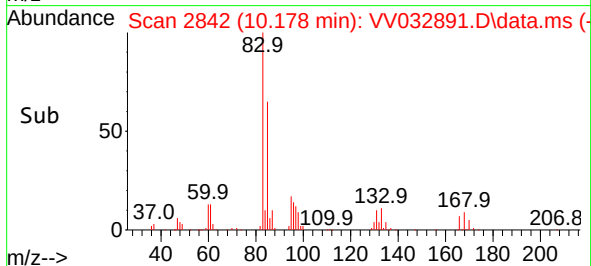
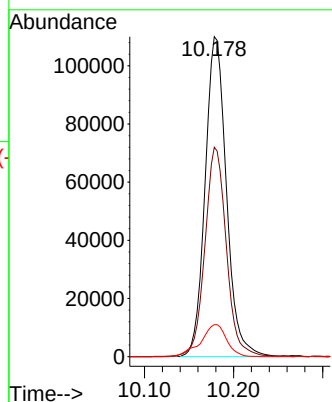
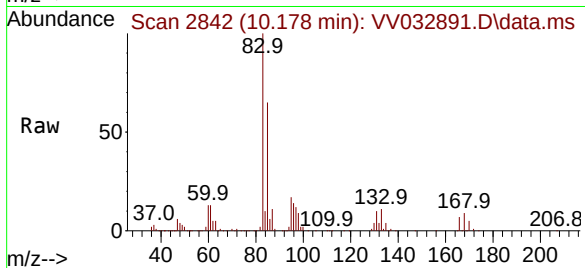




#57
1,1,2,2-Tetrachloroethane
Concen: 51.115 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

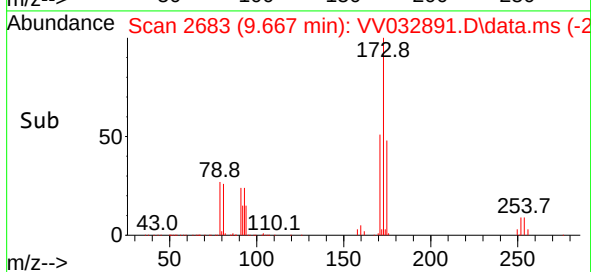
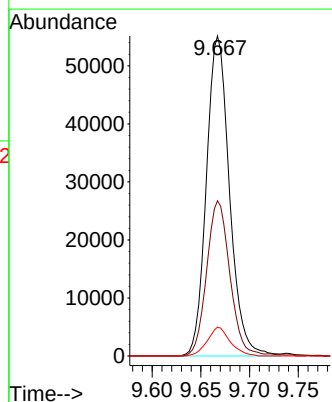
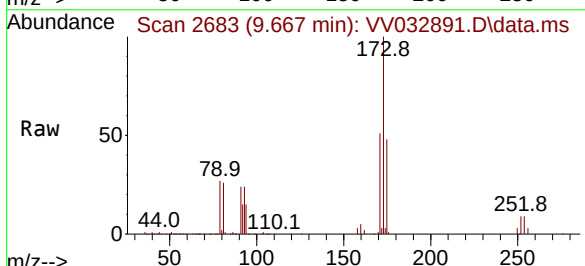
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

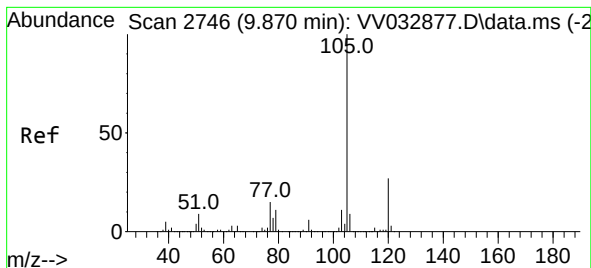
Tgt Ion: 83 Resp: 182869
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.3
131 10.0 7.8 11.6



#59
Bromoform
Concen: 50.609 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 173 Resp: 91072
Ion Ratio Lower Upper
173 100
175 48.5 38.4 57.6
254 8.9 7.0 10.6





#60

Isopropylbenzene

Concen: 42.985 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

E45K3MSD

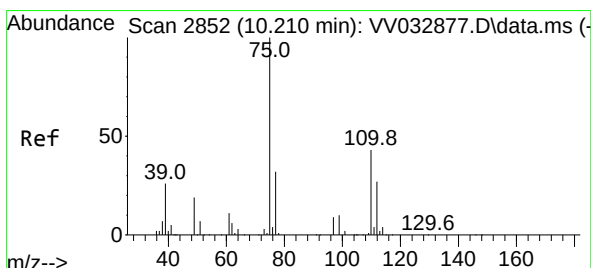
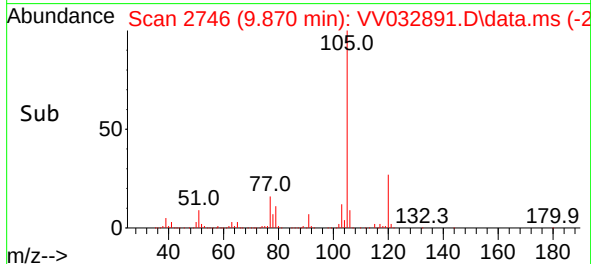
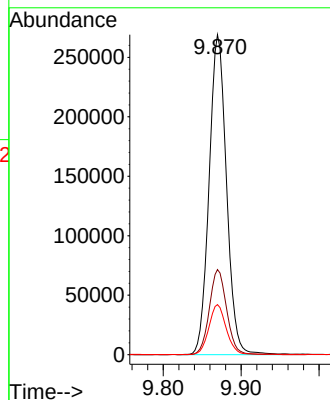
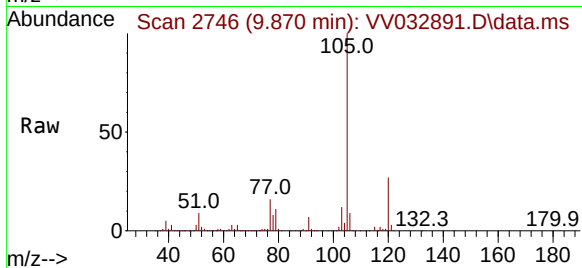
Tgt Ion:105 Resp: 418396

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.6 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 52.921 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

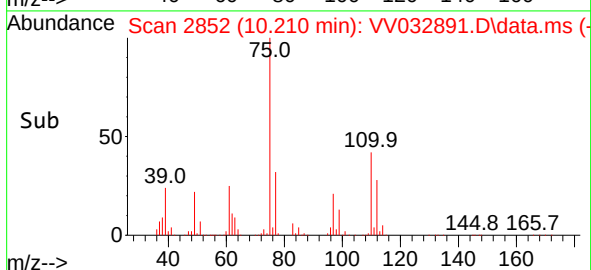
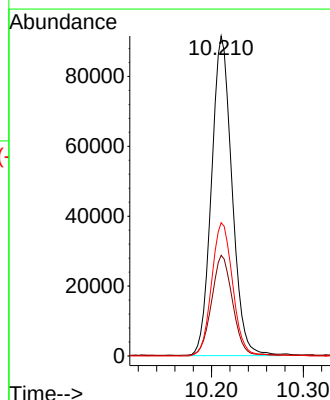
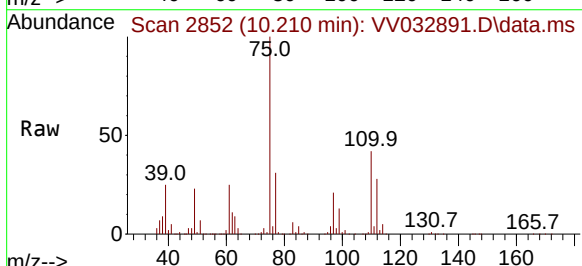
Tgt Ion: 75 Resp: 141877

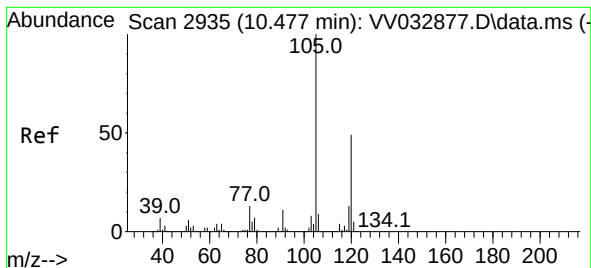
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

110 42.8 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 42.969 ug/L

RT: 10.481 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032891.D

Acq: 10 Nov 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

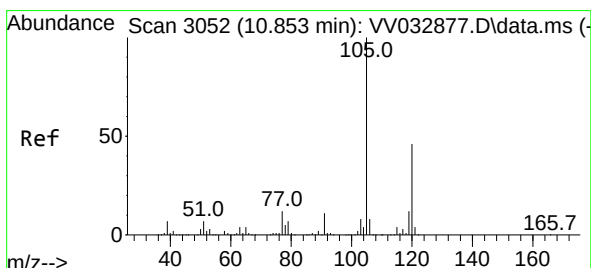
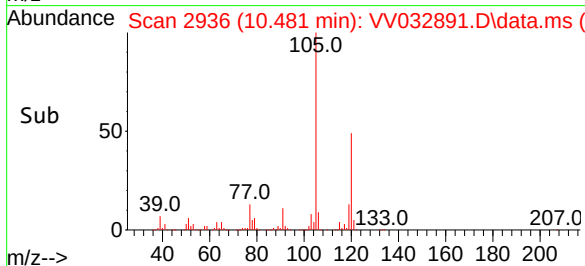
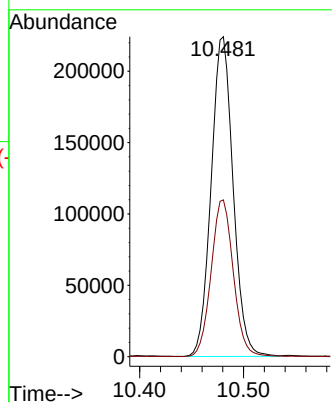
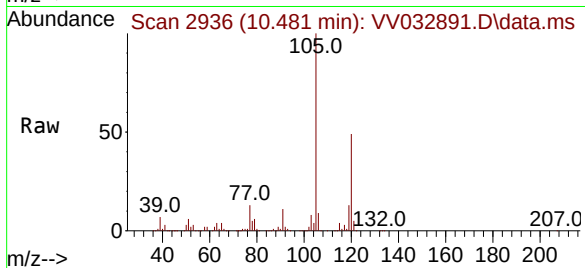
E45K3MSD

Tgt Ion:105 Resp: 329119

Ion Ratio Lower Upper

105 100

120 49.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 43.907 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032891.D

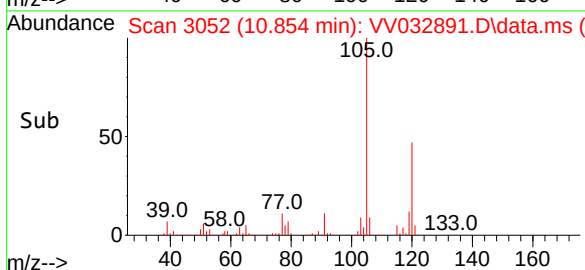
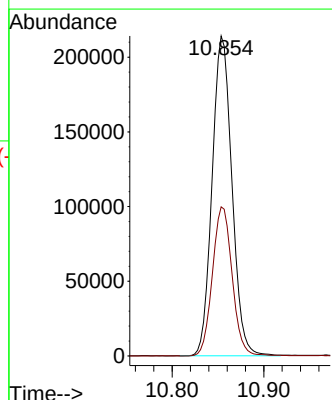
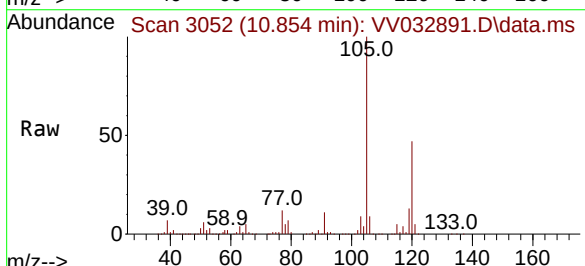
Acq: 10 Nov 2023 14:54

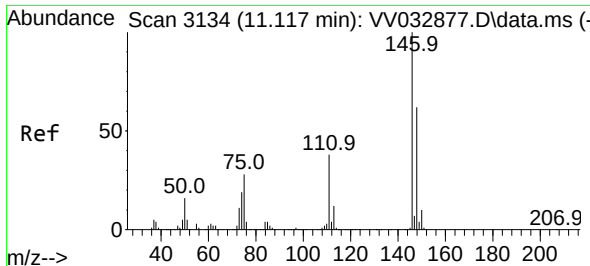
Tgt Ion:105 Resp: 321702

Ion Ratio Lower Upper

105 100

120 46.5 37.0 55.6

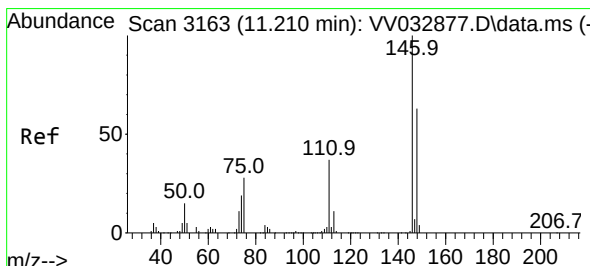
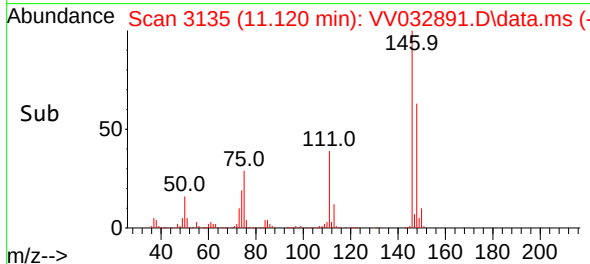
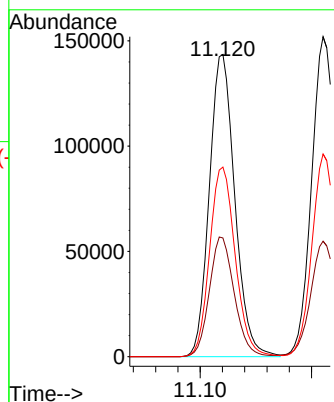
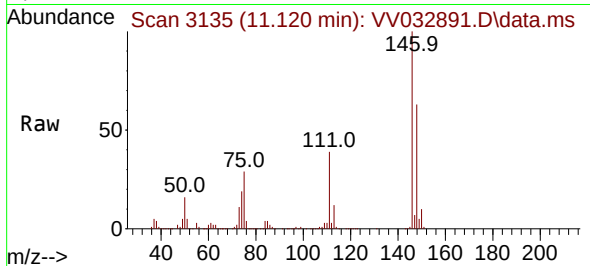




#64
1,3-Dichlorobenzene
Concen: 44.923 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

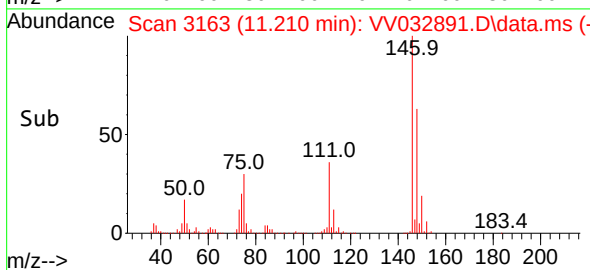
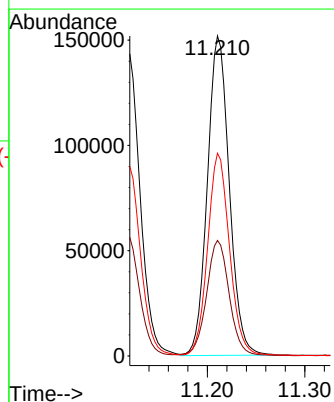
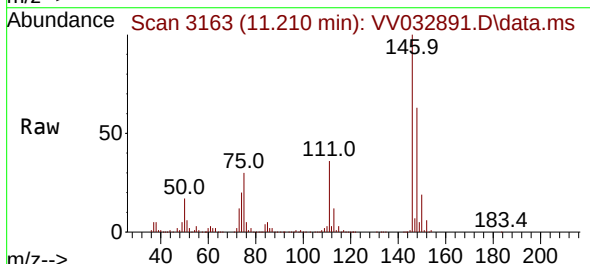
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

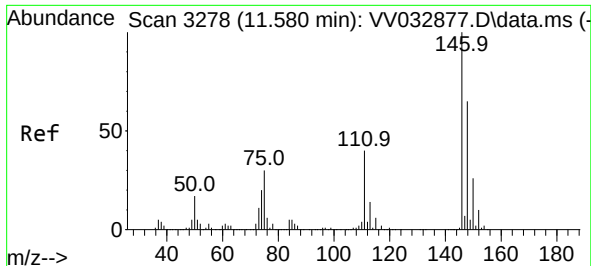
Tgt Ion:146 Resp: 227794
Ion Ratio Lower Upper
146 100
111 39.3 27.2 50.4
148 62.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 44.350 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion:146 Resp: 237288
Ion Ratio Lower Upper
146 100
111 36.1 26.5 49.1
148 63.4 44.9 83.5

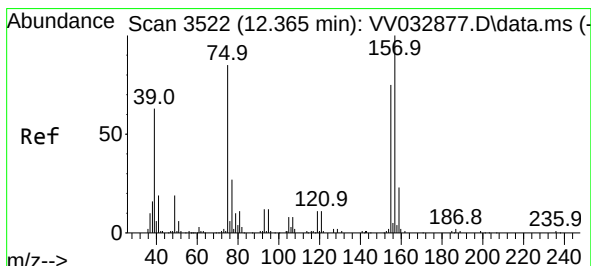
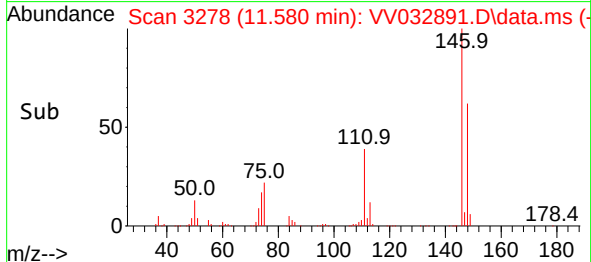
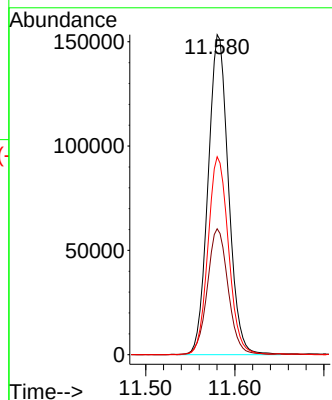
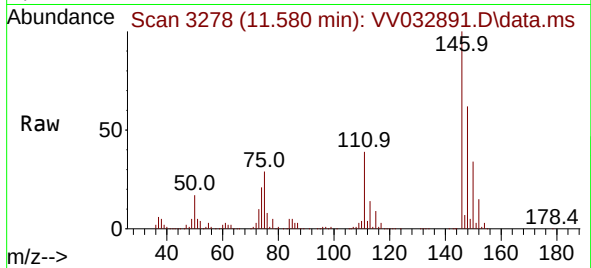




#67
1,2-Dichlorobenzene
Concen: 46.971 ug/L
RT: 11.580 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

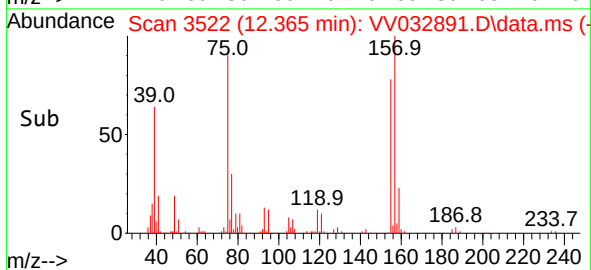
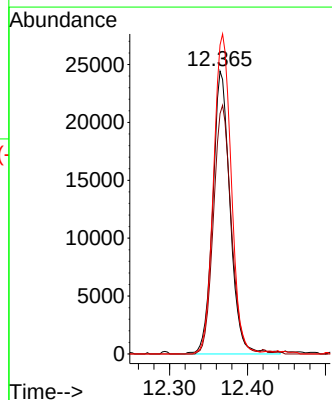
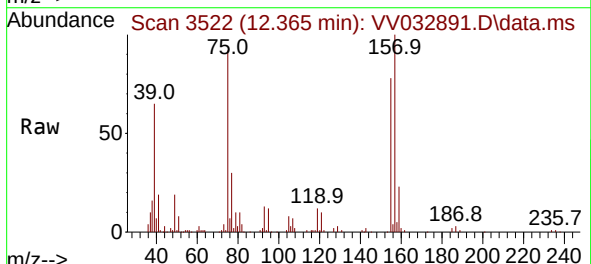
Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

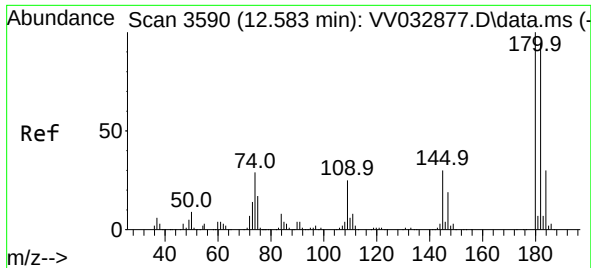
Tgt Ion:146 Resp: 243151
Ion Ratio Lower Upper
146 100
111 39.3 32.5 48.7
148 61.9 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 54.270 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion: 75 Resp: 37865
Ion Ratio Lower Upper
75 100
155 85.0 68.6 102.8
157 109.2 87.3 130.9

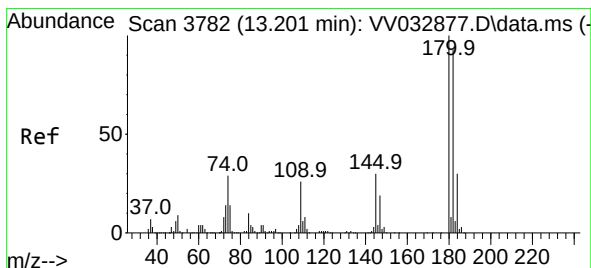
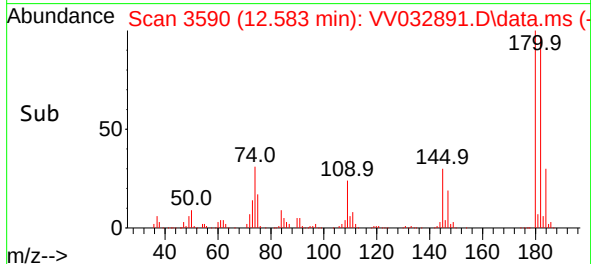
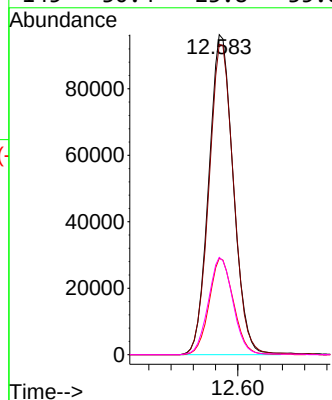
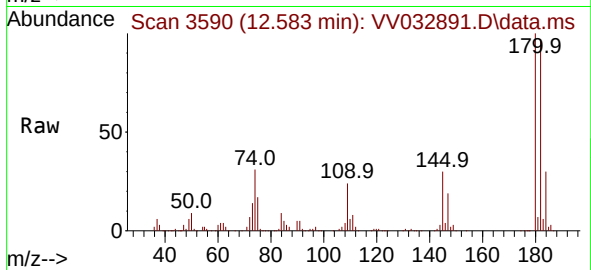




#69
 1,3,5-Trichlorobenzene
 Concen: 40.131 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

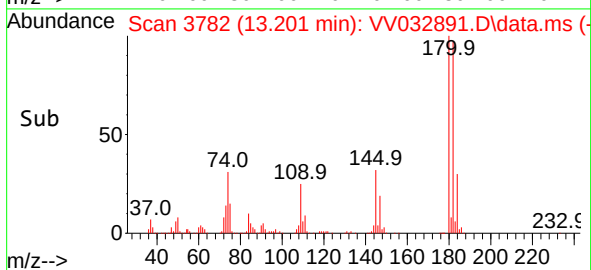
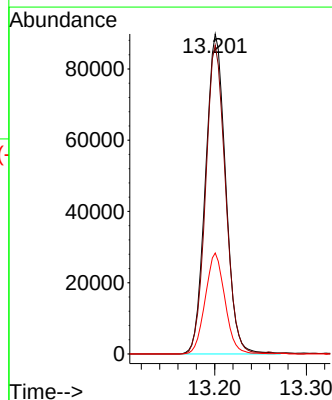
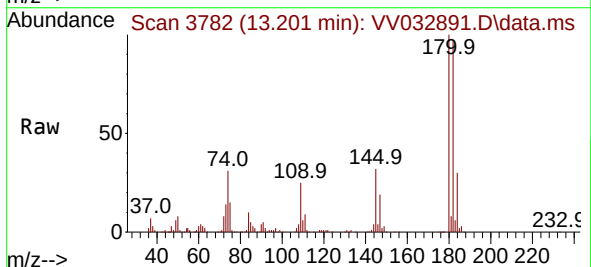
Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MSD

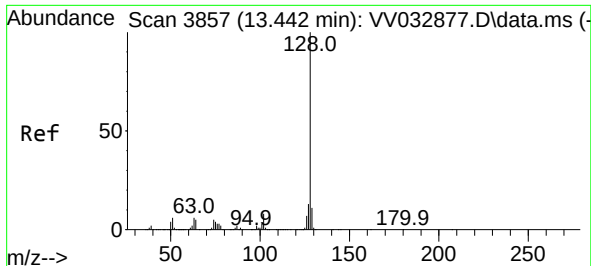
Tgt Ion:	180	Resp:	146906
Ion Ratio	Lower	Upper	
180	100		
182	97.6	75.9	113.9
184	29.9	23.5	35.3
145	30.4	23.8	35.8



#70
 1,2,4-trichlorobenzene
 Concen: 43.302 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032891.D
 Acq: 10 Nov 2023 14:54

Tgt Ion:	180	Resp:	137085
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.9	115.3
145	30.9	24.7	37.1

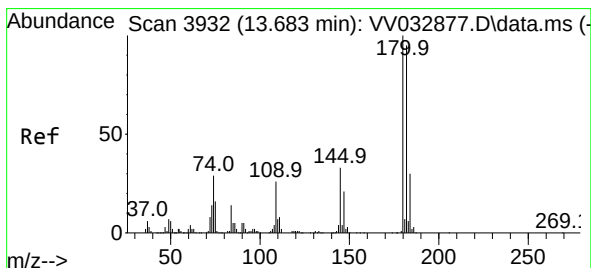
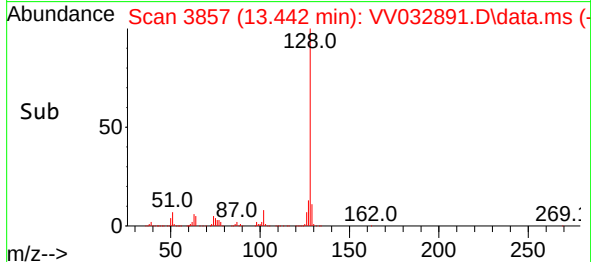
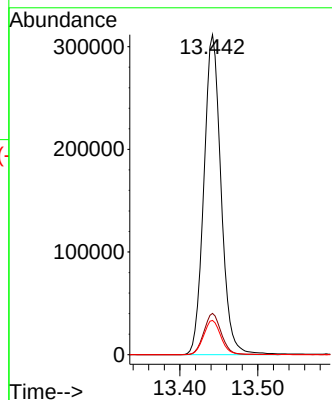
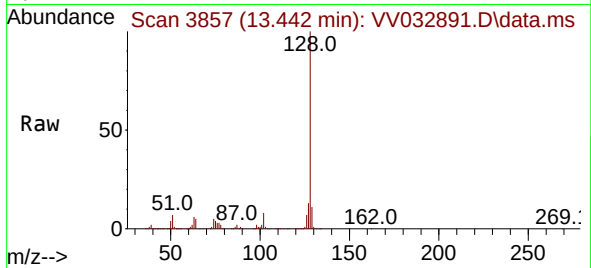




#71
Naphthalene
Concen: 60.406 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Instrument :
MSVOA_V
ClientSampleId :
E45K3MSD

Tgt Ion:128 Resp: 477554
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.859 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032891.D
Acq: 10 Nov 2023 14:54

Tgt Ion:180 Resp: 154438
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.4
145 32.5 25.8 38.8

