

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122823\
 Data File : VW033544.D
 Acq On : 28 Dec 2023 11:50
 Operator : SY/MD
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 29 02:41:58 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	5.538	114	126450	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	120667	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	63805	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	164885	20.803	ug/L	0.00
7) Chloroethane-d5	1.532	69	138092	20.563	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	70936	20.219	ug/L	0.00
20) 2-Butanone-d5	3.793	46	429582	218.736	ug/L	-0.03
24) Chloroform-d	4.249	84	335913	20.895	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.940	65	159528	21.797	ug/L	0.00
32) Benzene-d6	4.960	84	639344	20.705	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	207107	21.349	ug/L	0.00
41) Toluene-d8	7.243	98	570378	20.876	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	83143	21.328	ug/L	0.00
46) 2-Hexanone-d5	8.024	63	351693	226.513	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	132330	20.440	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	205820	20.128	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	240425	21.464	ug/L	99
3) Chloromethane	1.214	50	252818	21.001	ug/L	99
5) Vinyl chloride	1.281	62	249629	21.430	ug/L	98
6) Bromomethane	1.490	94	137828	21.035	ug/L	98
8) Chloroethane	1.548	64	148856	20.717	ug/L	99
9) Trichlorofluoromethane	1.712	101	303371	21.225	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	182295	21.109	ug/L	99
12) 1,1-Dichloroethene	2.069	96	169221	21.507	ug/L	97
13) Acetone	2.127	43	299678	168.673	ug/L	88
14) Carbon disulfide	2.240	76	522978	21.877	ug/L	97
15) Methyl Acetate	2.378	43	78358	17.716	ug/L #	89
16) Methylene chloride	2.445	84	191156	19.558	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	472234	21.767	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	189026	21.597	ug/L	97
19) 1,1-Dichloroethane	3.111	63	408542	21.442	ug/L	99
21) 2-Butanone	3.873	43	496110	215.602	ug/L #	61
22) cis-1,2-Dichloroethene	3.815	96	217091	21.859	ug/L	99
23) Bromochloromethane	4.146	128	84000	21.926	ug/L	98
25) Chloroform	4.275	83	388583	21.769	ug/L	99
27) 1,2-Dichloroethane	5.040	62	231561	22.333	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	335330	20.714	ug/L	99
30) Cyclohexane	4.584	56	360101	20.739	ug/L	99
31) Carbon tetrachloride	4.735	117	281190	21.241	ug/L	98
33) Benzene	5.011	78	814986	20.778	ug/L	100
34) Trichloroethene	5.831	95	223102	21.067	ug/L	99
35) Methylcyclohexane	6.050	83	348621	20.735	ug/L	100
37) 1,2-Dichloropropane	6.092	63	225221	21.629	ug/L	100
38) Bromodichloromethane	6.432	83	273443	21.341	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	348835	22.279	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	1230457	219.352	ug/L	98
42) Toluene	7.317	91	875078	20.850	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	274389	22.521	ug/L	99

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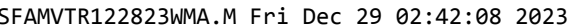
Instrument :
 MSVOA_V
 ClientSampleId :

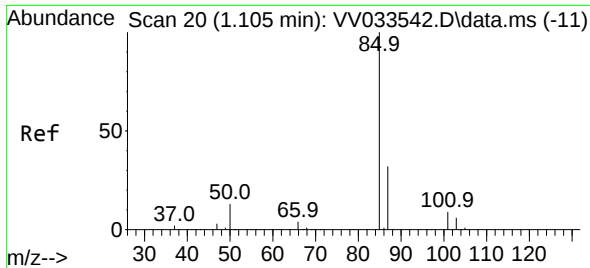
Quant Time: Dec 29 02:41:58 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	133239	21.248	ug/L	98
47) Tetrachloroethene	7.905	164	156672	21.010	ug/L	97
48) 2-Hexanone	8.075	43	867559	212.897	ug/L	98
49) Dibromochloromethane	8.178	129	157328	21.430	ug/L	99
50) 1,2-Dibromoethane	8.281	107	125112	21.388	ug/L	100
51) Chlorobenzene	8.815	112	553358	21.049	ug/L	99
52) Ethylbenzene	8.947	91	1023454	20.748	ug/L	100
53) m,p-Xylene	9.072	106	380866	20.870	ug/L	97
54) o-Xylene	9.477	106	371236	20.962	ug/L	99
55) Styrene	9.497	104	633972	21.346	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	147380	21.240	ug/L	99
59) Bromoform	9.667	173	88196	21.916	ug/L	97
60) Isopropylbenzene	9.866	105	1022439	20.060	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	110656	21.000	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	867689	20.308	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	867788	20.520	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	449602	20.766	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	443772	20.091	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	396535	20.807	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	28336	22.960	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	353305	21.160	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	297343	21.243	ug/L	99
71) Naphthalene	13.438	128	435991	22.320	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	239289	21.678	ug/L	99

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

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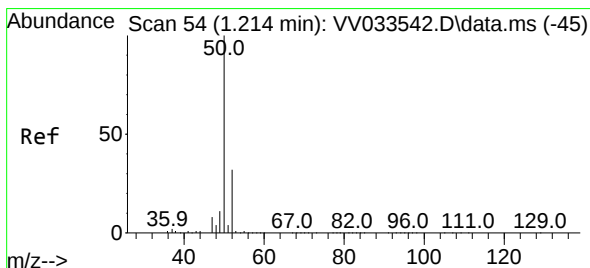
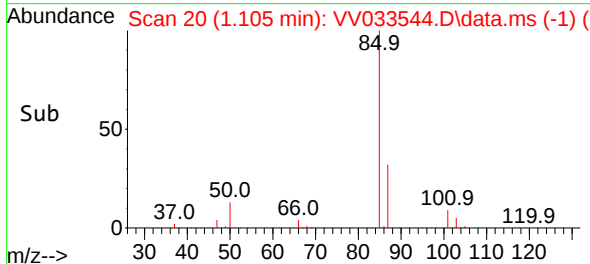
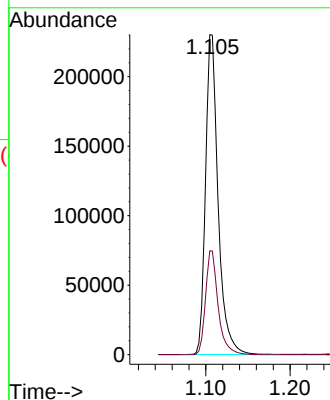
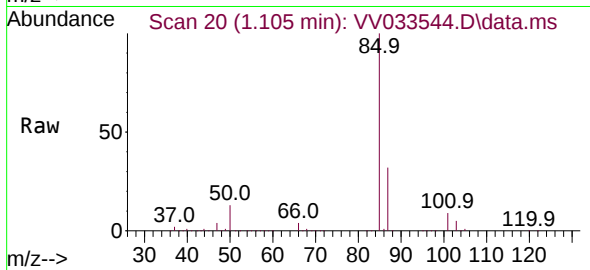




#2
 Dichlorodifluoromethane
 Concen: 21.464 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

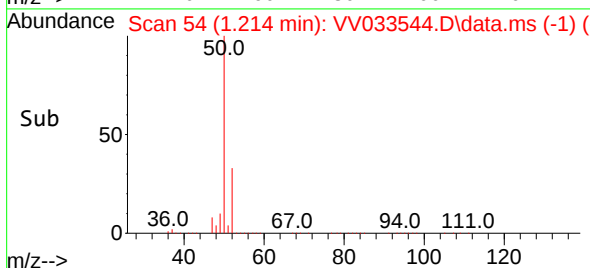
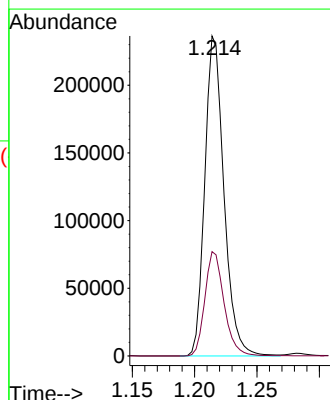
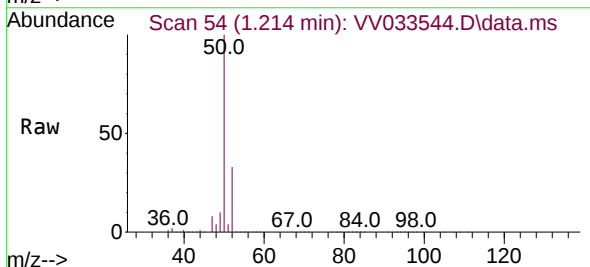
Instrument :
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 ClientSampleId :

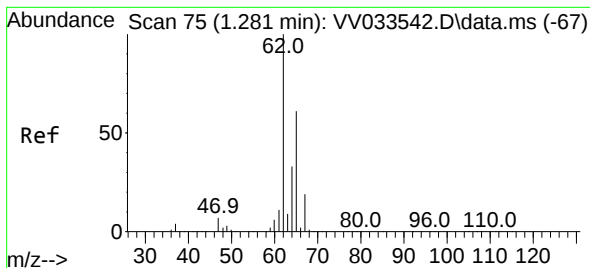
Tgt Ion: 85 Resp: 240425
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.6 38.4



#3
 Chloromethane
 Concen: 21.001 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

Tgt Ion: 50 Resp: 252818
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.9





#5

Vinyl chloride

Concen: 21.430 ug/L

RT: 1.281 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

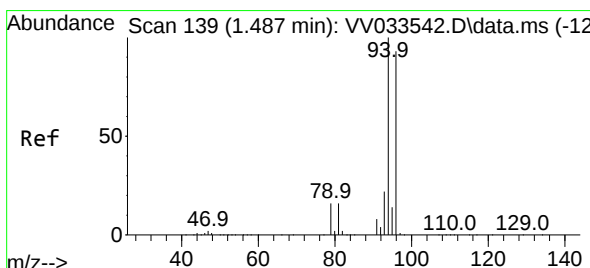
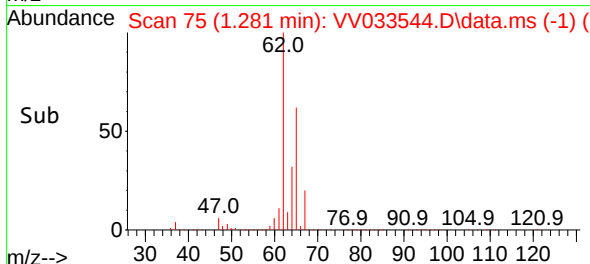
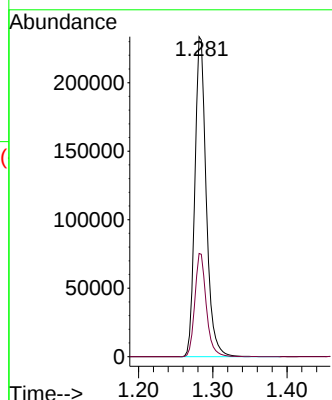
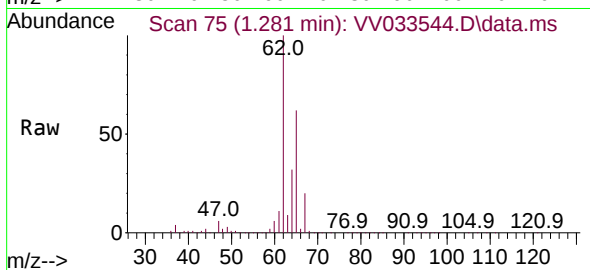
ClientSampleId :

Tgt Ion: 62 Resp: 249629

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 21.035 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV033544.D

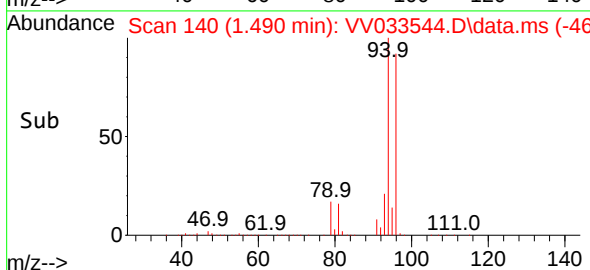
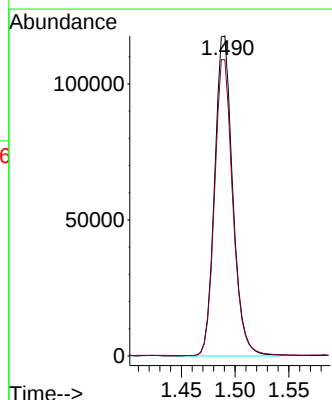
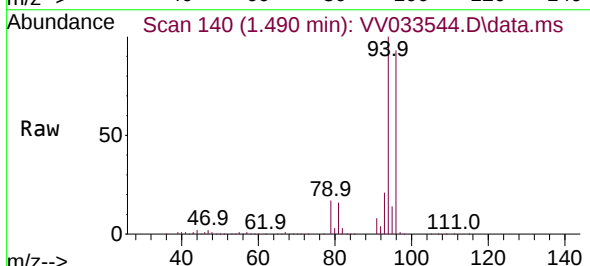
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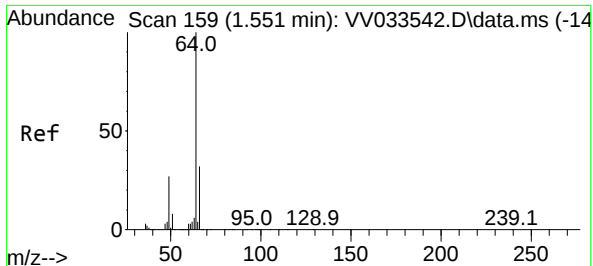
Tgt Ion: 94 Resp: 137828

Ion Ratio Lower Upper

94 100

96 92.6 66.1 122.7

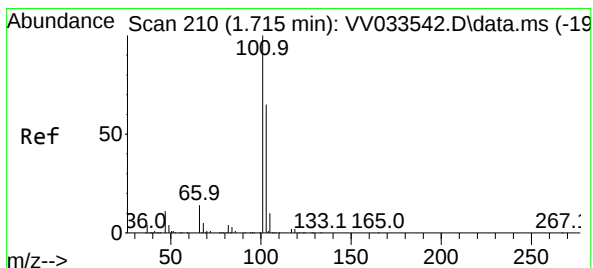
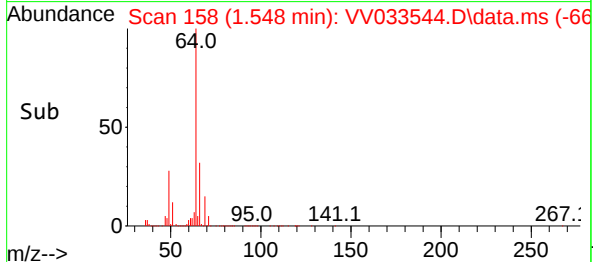
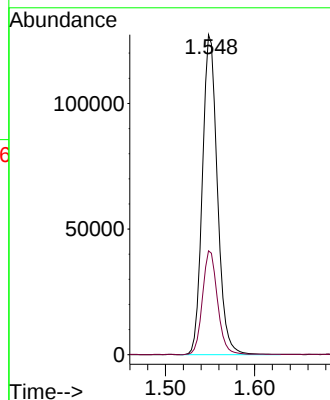
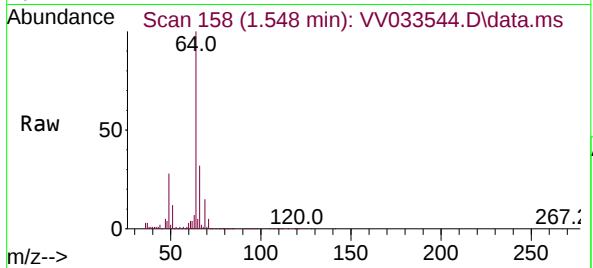




#8
Chloroethane
Concen: 20.717 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

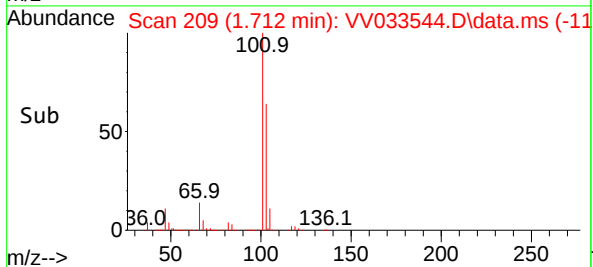
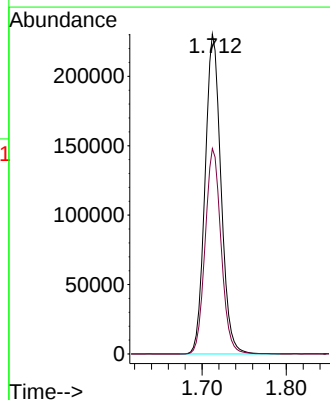
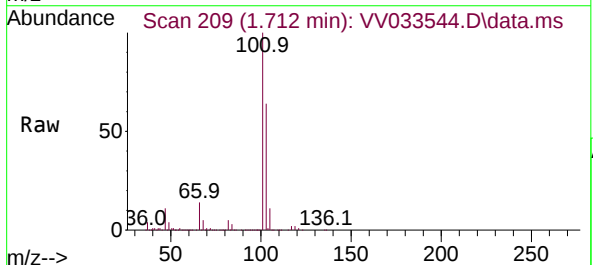
Instrument :
MSVOA_V
ClientSampleId :

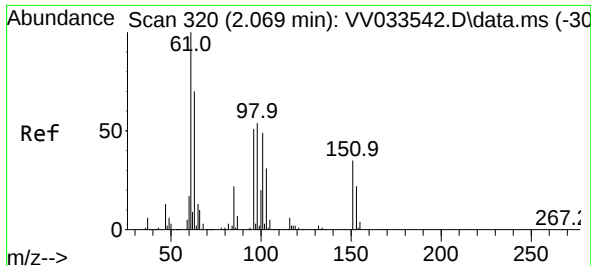
Tgt Ion: 64 Resp: 148856
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 21.225 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion:101 Resp: 303371
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.2

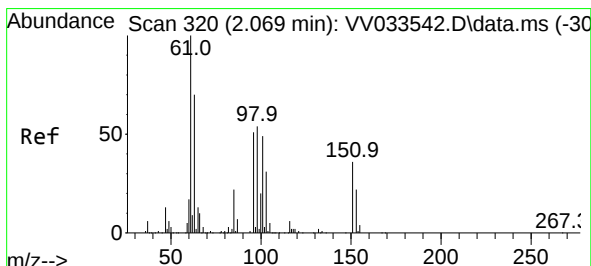
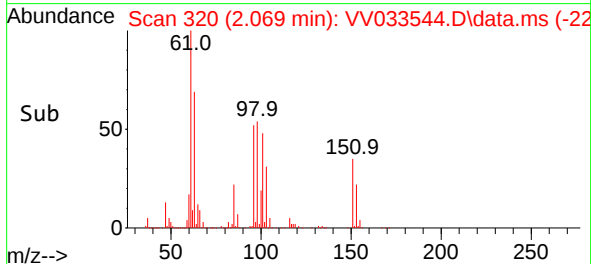
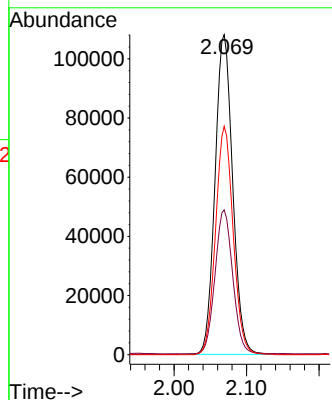
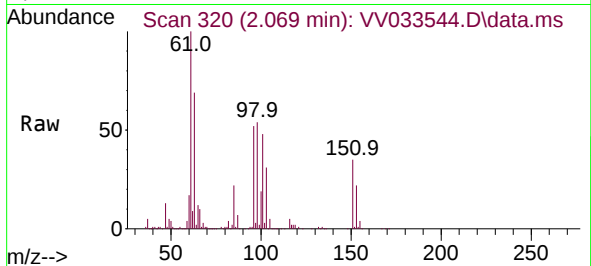




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.109 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

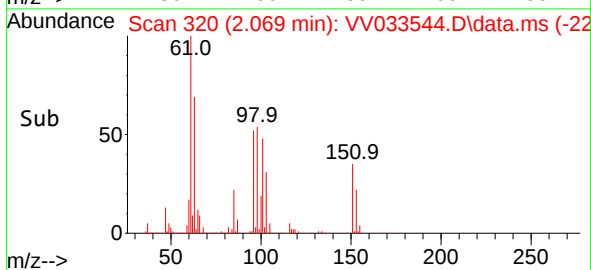
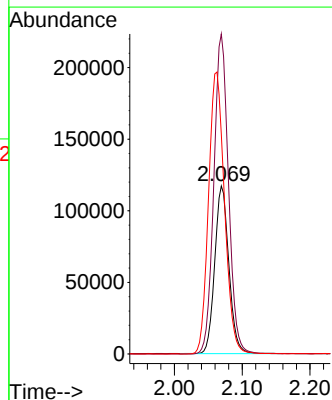
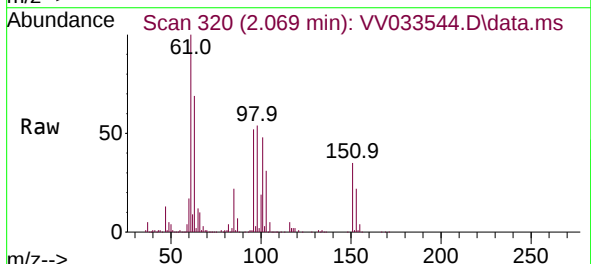
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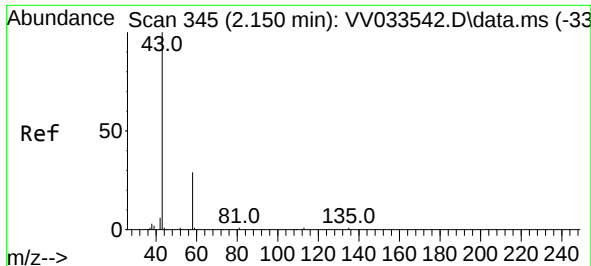
Tgt Ion:101 Resp: 182295
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.9 55.3
 151 71.5 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 21.507 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

Tgt Ion: 96 Resp: 169221
 Ion Ratio Lower Upper
 96 100
 61 190.5 135.9 252.5
 63 130.8 95.3 176.9





#13

Acetone

Concen: 168.673 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

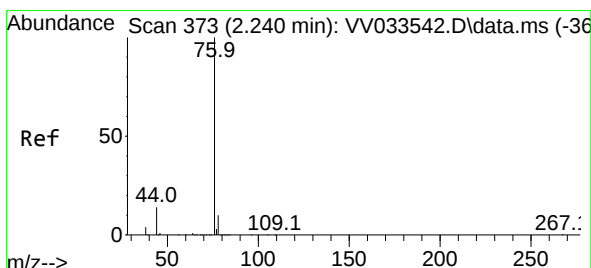
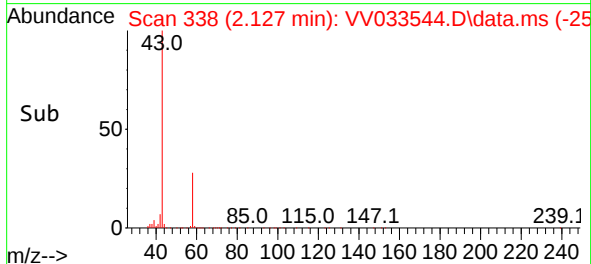
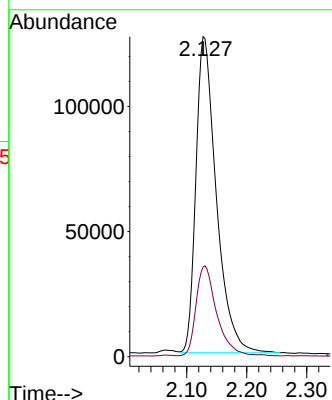
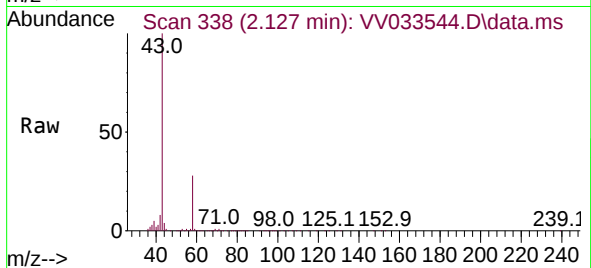
ClientSampleId :

Tgt Ion: 43 Resp: 299678

Ion Ratio Lower Upper

43 100

58 28.8 0.0 45.8



#14

Carbon disulfide

Concen: 21.877 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033544.D

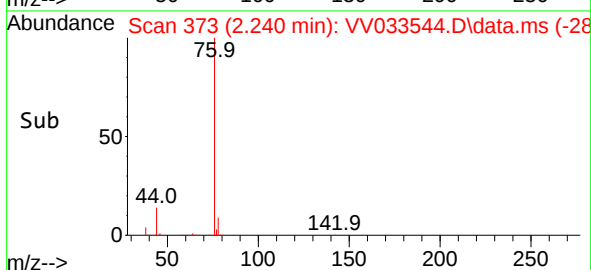
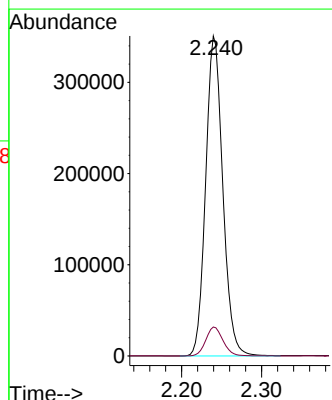
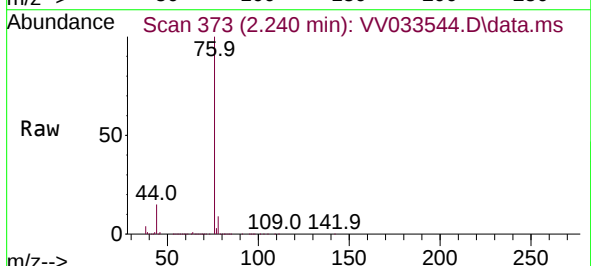
Acq: 28 Dec 2023 11:50

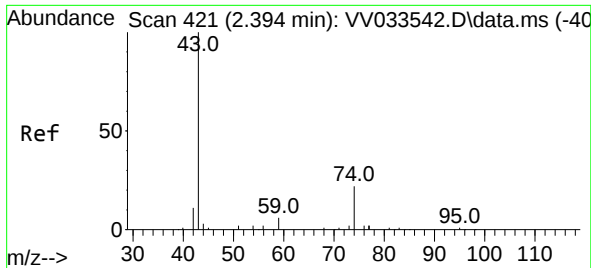
Tgt Ion: 76 Resp: 522978

Ion Ratio Lower Upper

76 100

78 9.1 8.1 12.1

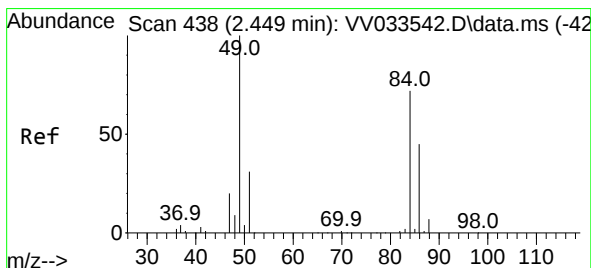
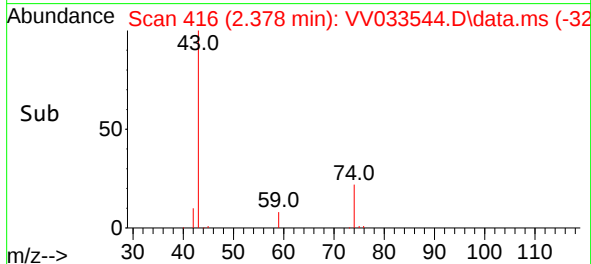
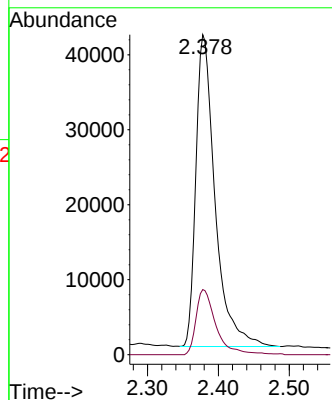
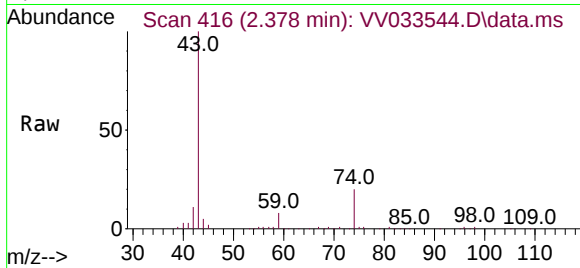




#15
Methyl Acetate
Concen: 17.716 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.016 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

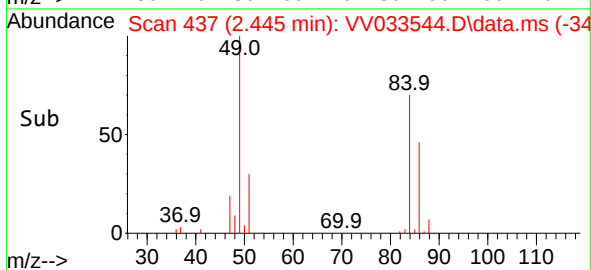
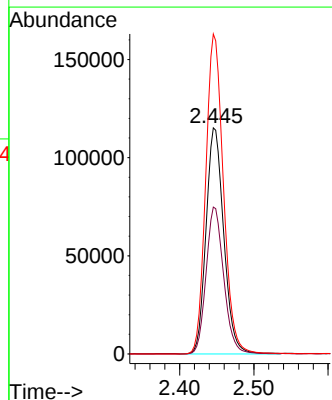
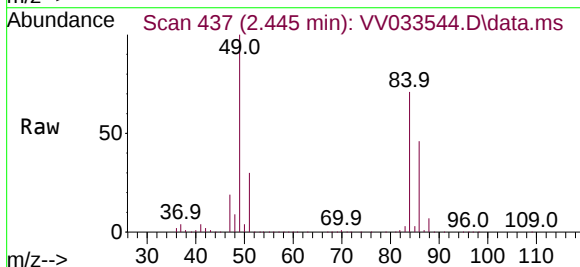
Instrument :
MSVOA_V
ClientSampleId :

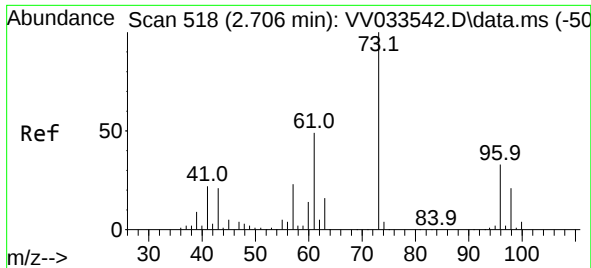
Tgt Ion: 43 Resp: 78358
Ion Ratio Lower Upper
43 100
74 21.7 13.5 20.3#



#16
Methylene chloride
Concen: 19.558 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 84 Resp: 191156
Ion Ratio Lower Upper
84 100
86 64.9 43.8 81.3
49 141.5 97.4 180.8

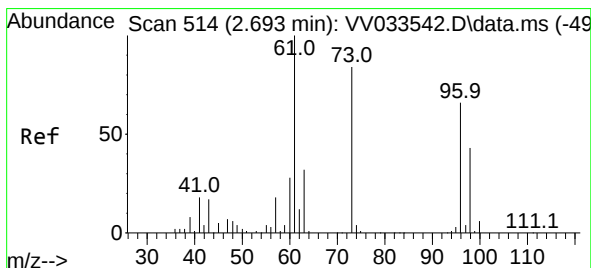
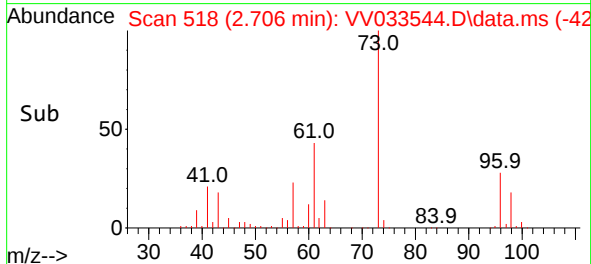
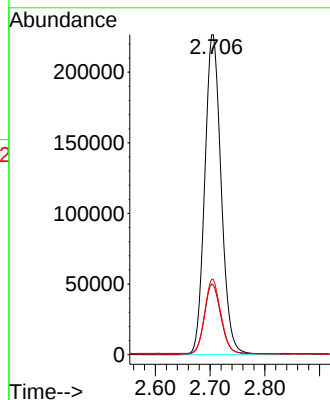
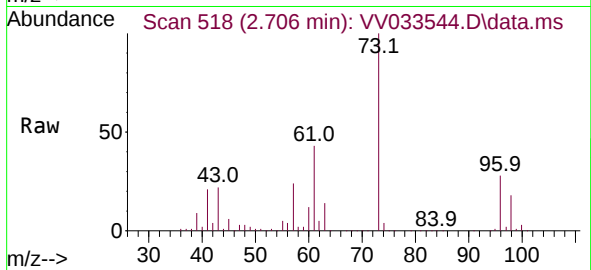




#17
Methyl tert-butyl Ether
Concen: 21.767 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

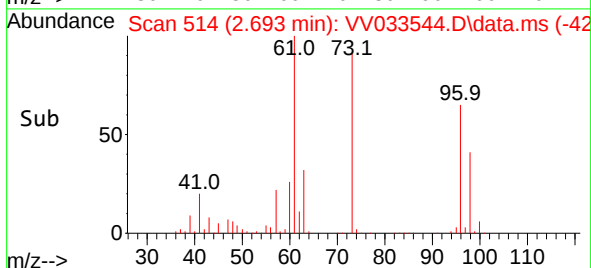
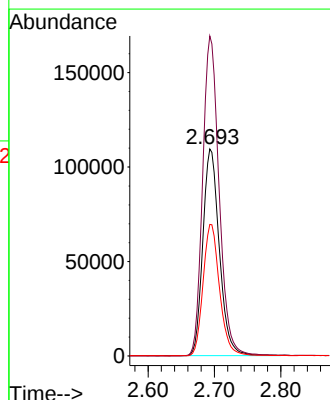
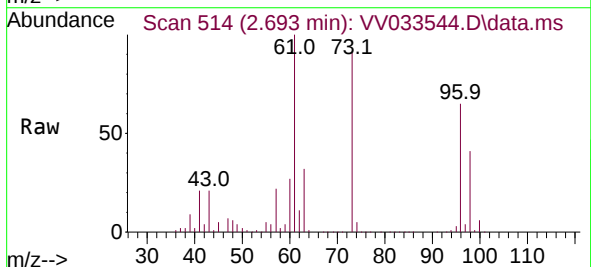
Instrument :
MSVOA_V
ClientSampleId :

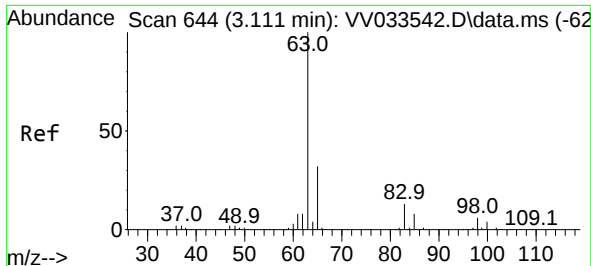
Tgt Ion: 73 Resp: 472234
Ion Ratio Lower Upper
73 100
43 21.6 16.5 24.7
57 23.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 21.597 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 96 Resp: 189026
Ion Ratio Lower Upper
96 100
61 154.6 106.0 196.9
98 63.5 46.1 85.7





#19

1,1-Dichloroethane

Concen: 21.442 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

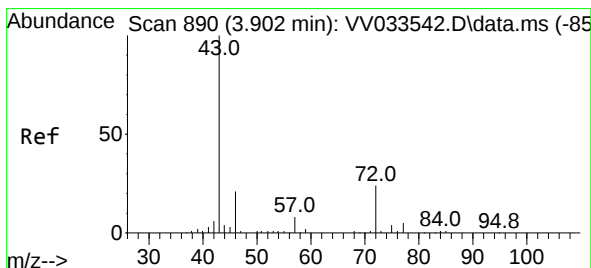
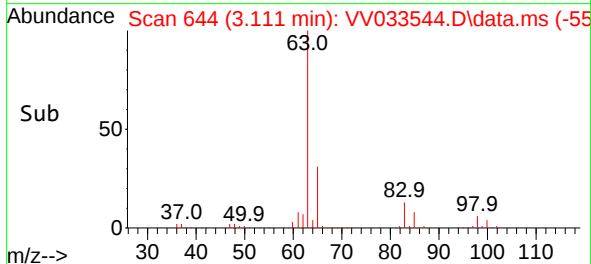
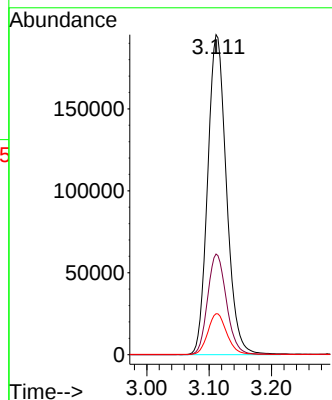
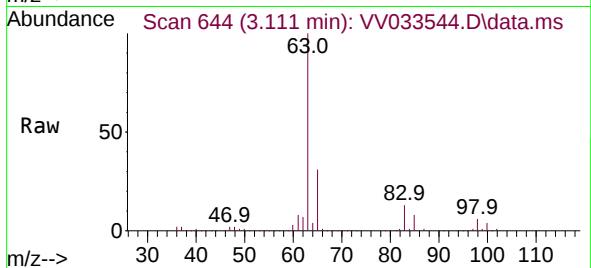
Tgt Ion: 63 Resp: 408542

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 12.8 9.3 17.3



#21

2-Butanone

Concen: 215.602 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.029 min

Lab File: VV033544.D

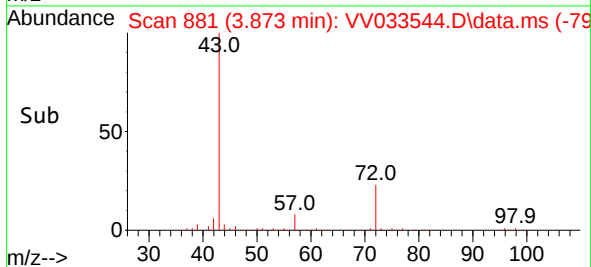
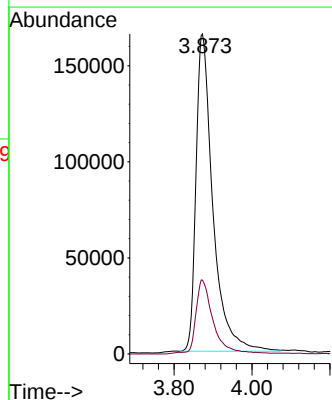
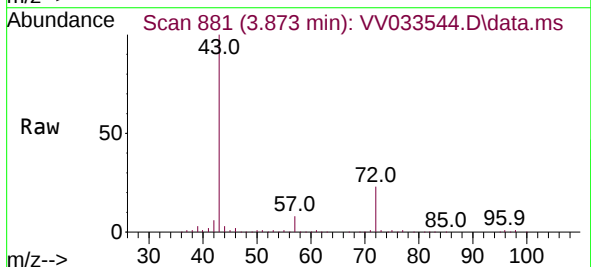
Acq: 28 Dec 2023 11:50

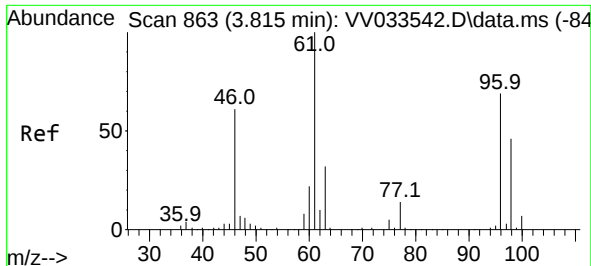
Tgt Ion: 43 Resp: 496110

Ion Ratio Lower Upper

43 100

72 21.7 4.0 12.0#





#22

cis-1,2-Dichloroethene

Concen: 21.859 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

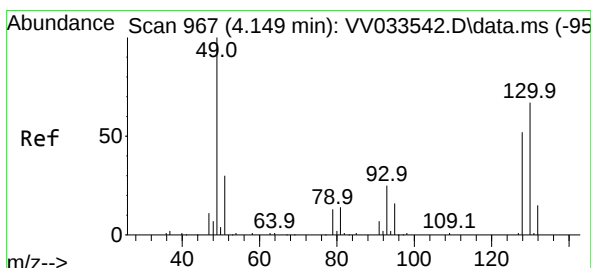
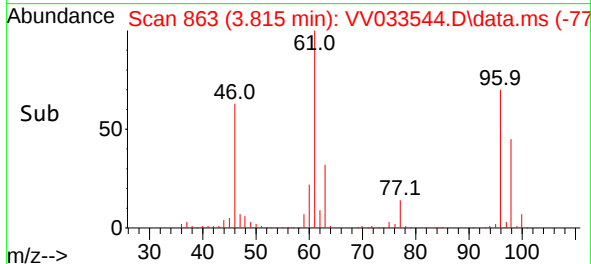
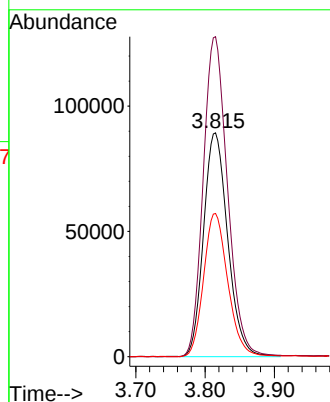
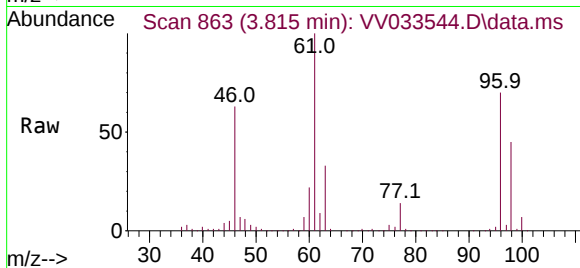
Tgt Ion: 96 Resp: 217091

Ion Ratio Lower Upper

96 100

61 143.0 100.6 186.8

98 64.0 45.8 85.2



#23

Bromochloromethane

Concen: 21.926 ug/L

RT: 4.146 min Scan# 966

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Tgt Ion: 128 Resp: 84000

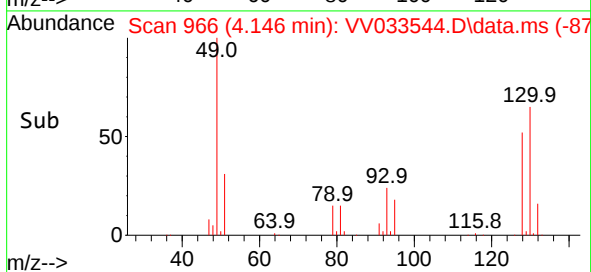
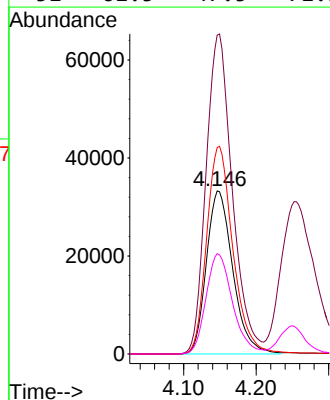
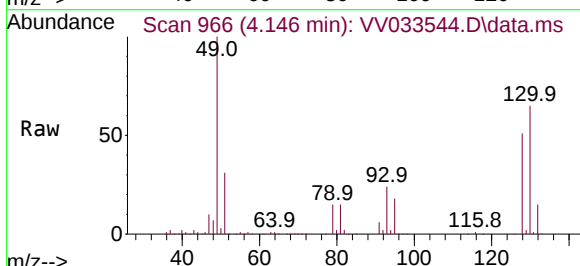
Ion Ratio Lower Upper

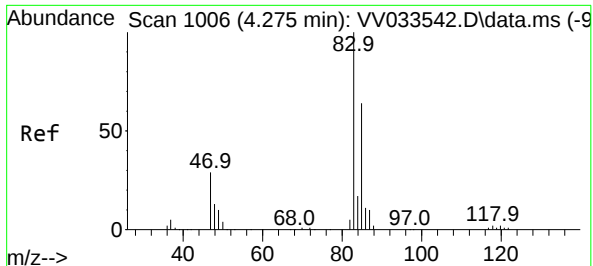
128 100

49 195.5 135.2 251.0

130 126.6 89.9 167.0

51 61.5 47.5 71.3





#25

Chloroform

Concen: 21.769 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

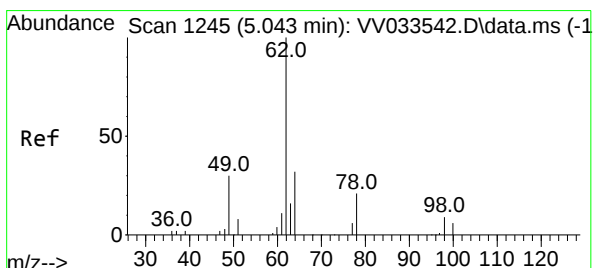
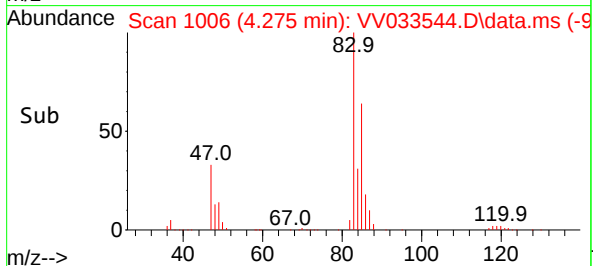
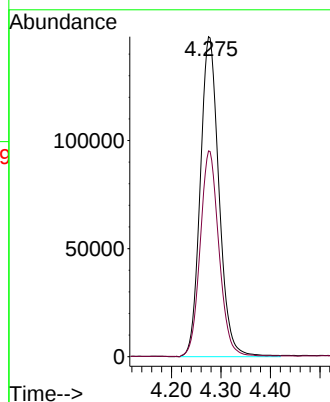
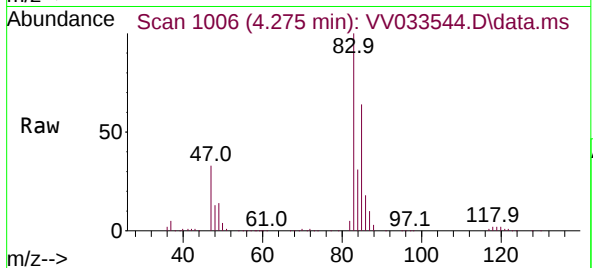
ClientSampleId :

Tgt Ion: 83 Resp: 388583

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.2



#27

1,2-Dichloroethane

Concen: 22.333 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV033544.D

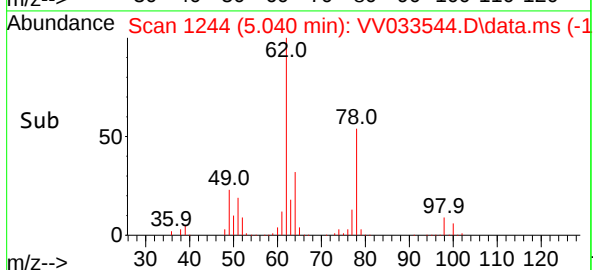
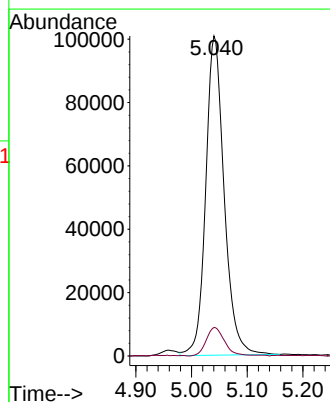
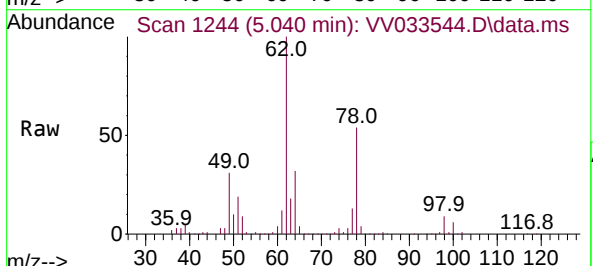
Acq: 28 Dec 2023 11:50

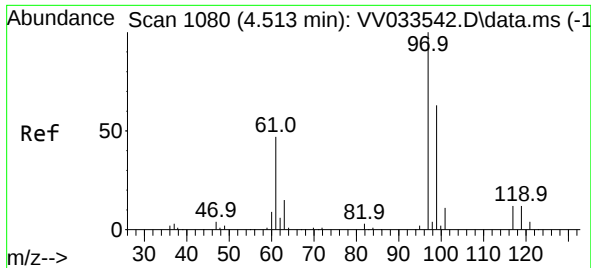
Tgt Ion: 62 Resp: 231561

Ion Ratio Lower Upper

62 100

98 8.9 7.7 11.5

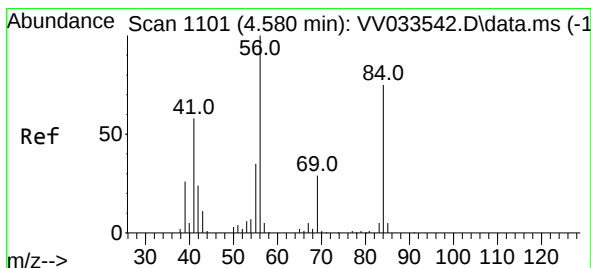
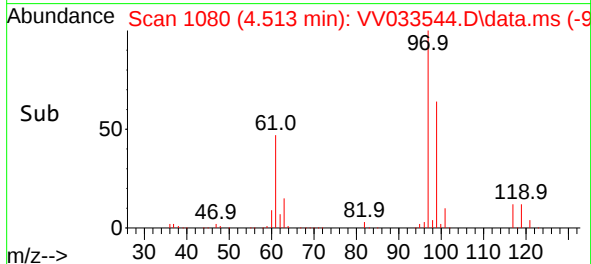
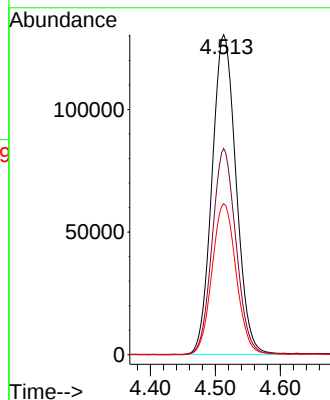
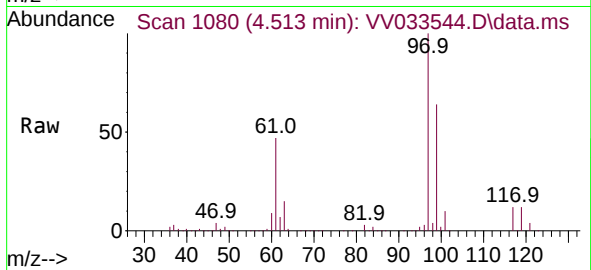




#29
 1,1,1-Trichloroethane
 Concen: 20.714 ug/L
 RT: 4.513 min Scan# 1080
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

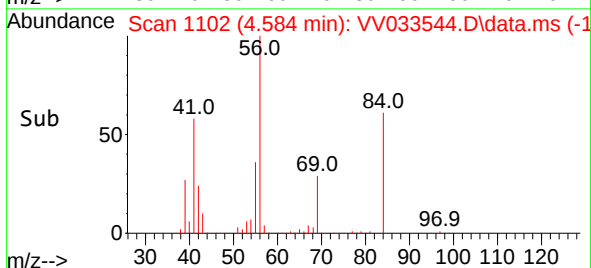
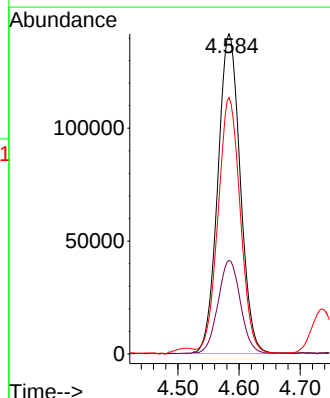
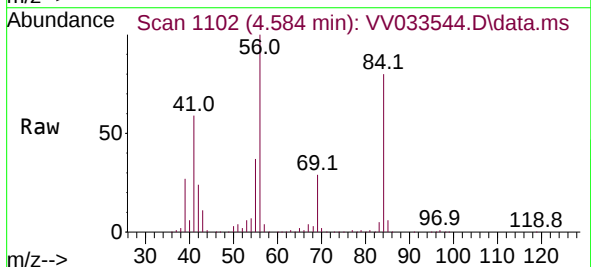
Instrument :
 MSVOA_V
 ClientSampleId :

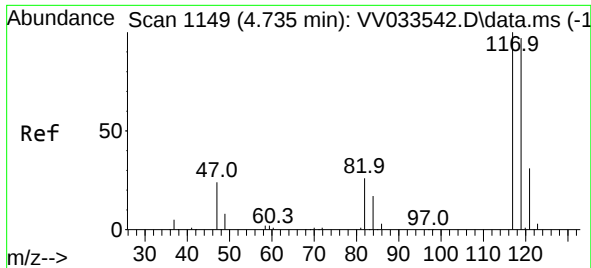
Tgt Ion: 97 Resp: 335330
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.9 77.9
 61 47.7 38.6 57.8



#30
 Cyclohexane
 Concen: 20.739 ug/L
 RT: 4.584 min Scan# 1102
 Delta R.T. 0.003 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

Tgt Ion: 56 Resp: 360101
 Ion Ratio Lower Upper
 56 100
 69 29.0 23.8 35.6
 84 79.8 63.0 94.6

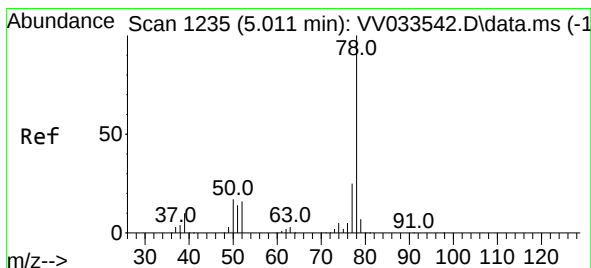
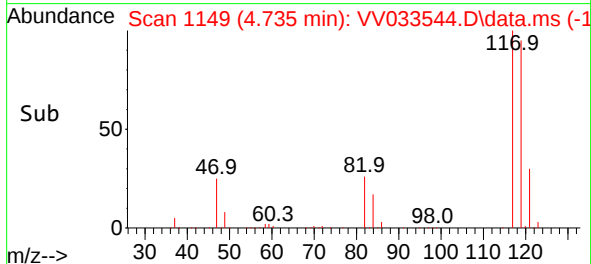
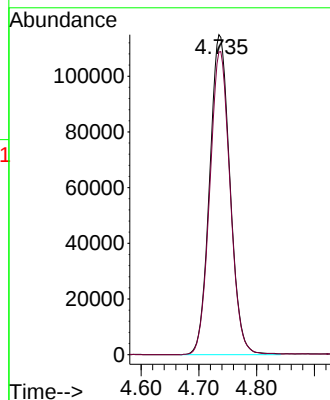
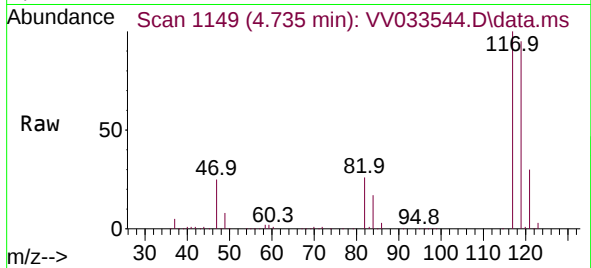




#31
Carbon tetrachloride
Concen: 21.241 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

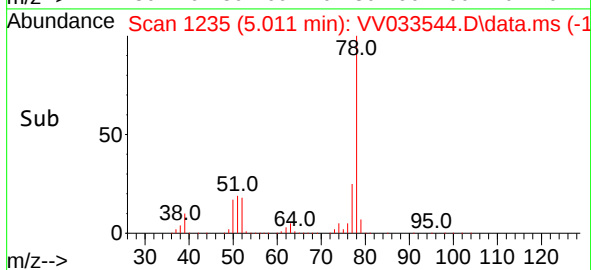
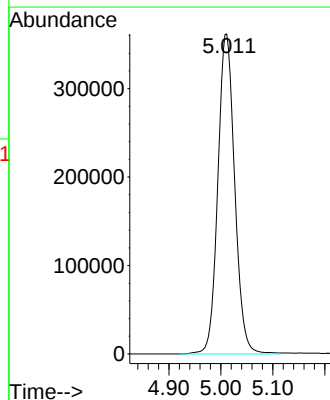
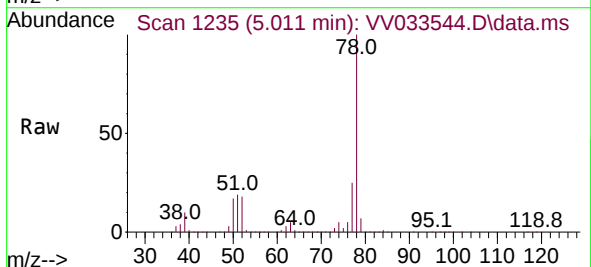
Instrument :
MSVOA_V
ClientSampleId :

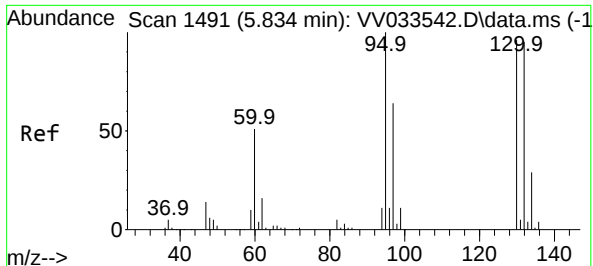
Tgt Ion:117 Resp: 281190
Ion Ratio Lower Upper
117 100
119 94.7 77.3 115.9



#33
Benzene
Concen: 20.778 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 78 Resp: 814986





#34

Trichloroethene

Concen: 21.067 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 223102

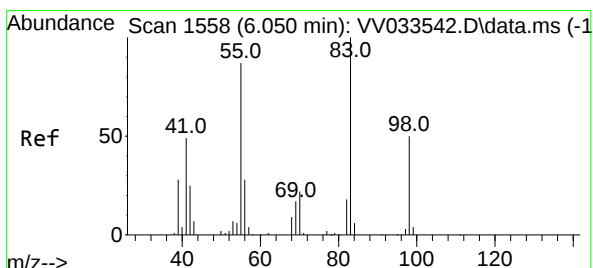
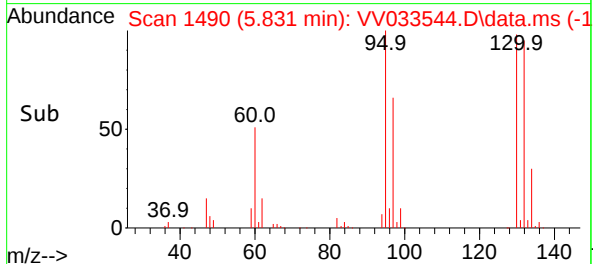
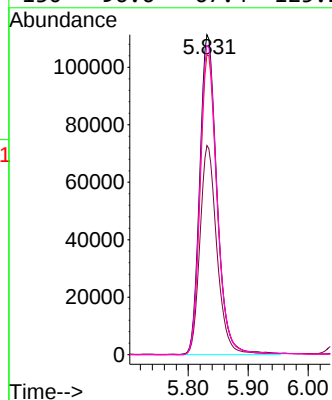
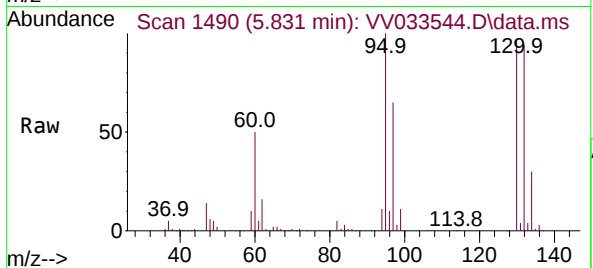
Ion Ratio Lower Upper

95 100

97 65.3 45.5 84.5

132 93.7 66.3 123.1

130 96.6 67.4 125.2



#35

Methylcyclohexane

Concen: 20.735 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

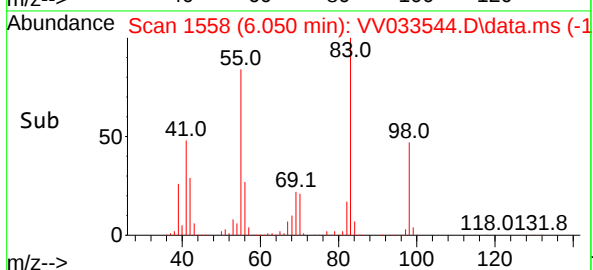
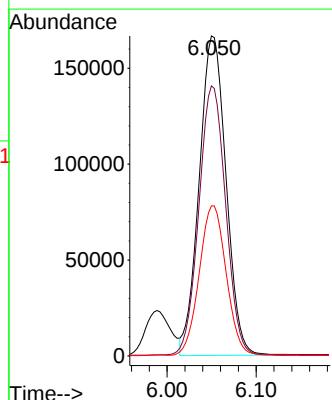
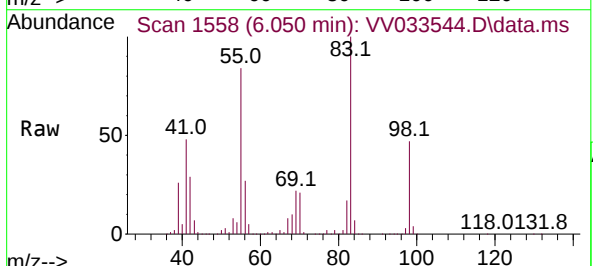
Tgt Ion: 83 Resp: 348621

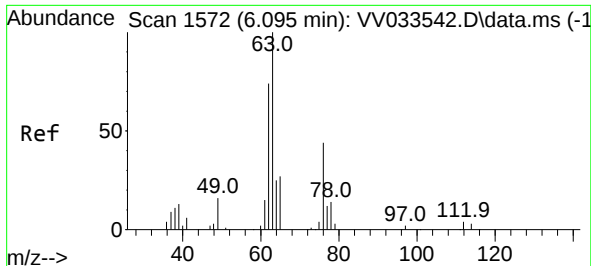
Ion Ratio Lower Upper

83 100

55 84.4 67.7 101.5

98 47.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 21.629 ug/L

RT: 6.092 min Scan# 1572

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

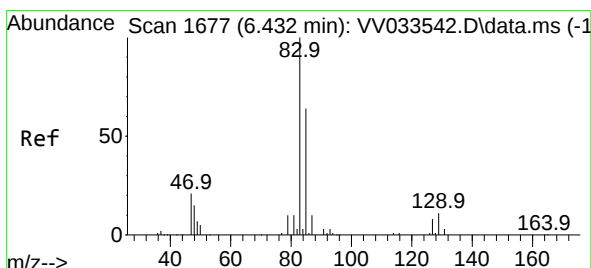
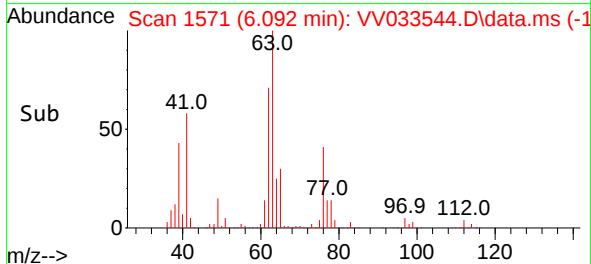
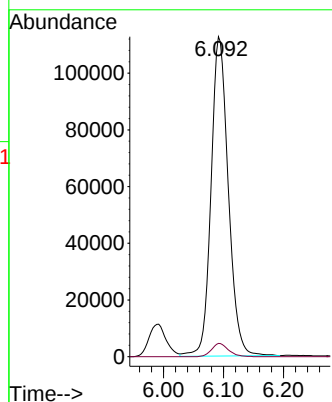
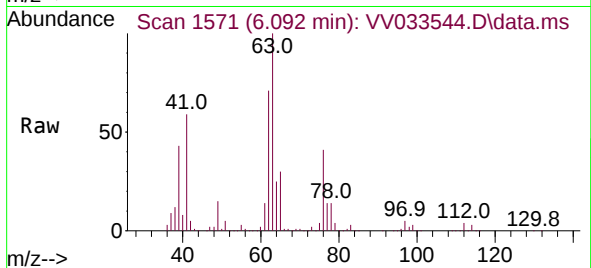
ClientSampleId :

Tgt Ion: 63 Resp: 225221

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 21.341 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

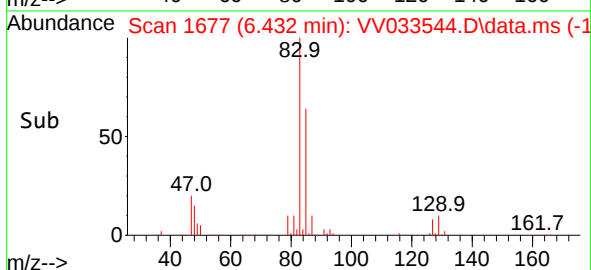
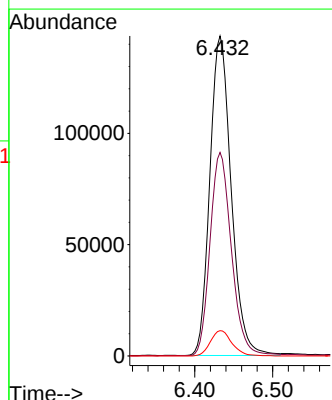
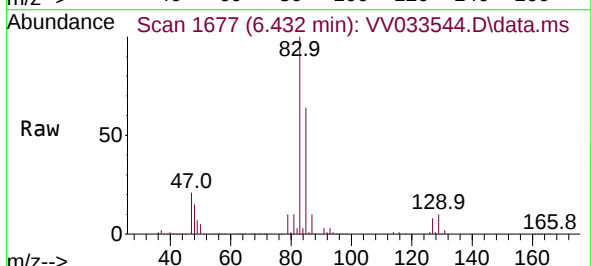
Tgt Ion: 83 Resp: 273443

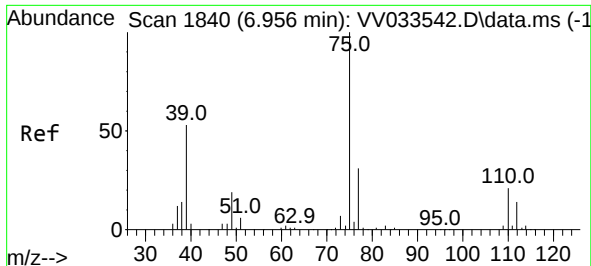
Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

127 7.9 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 22.279 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

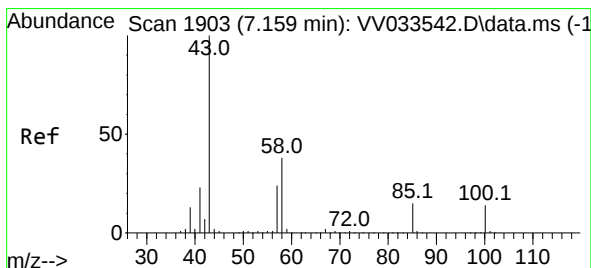
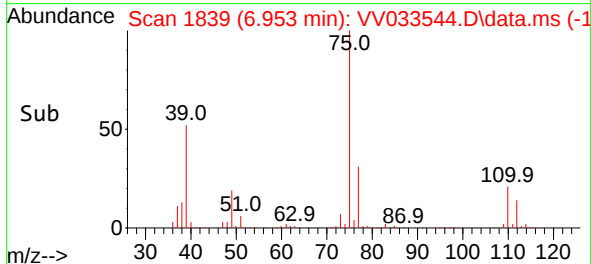
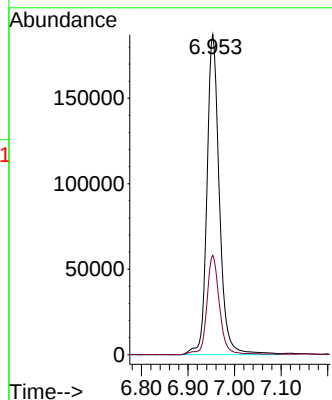
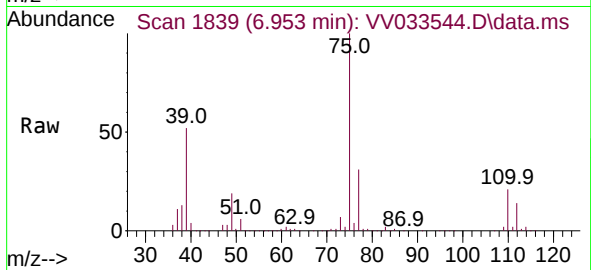
ClientSampleId :

Tgt Ion: 75 Resp: 348835

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 219.352 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

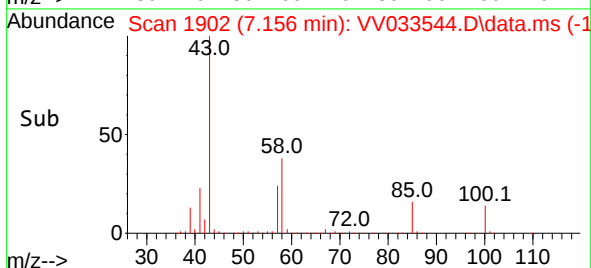
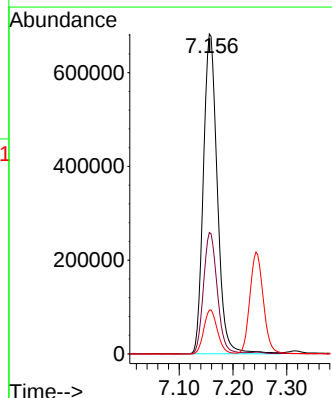
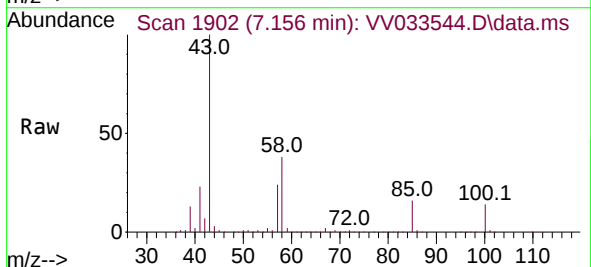
Tgt Ion: 43 Resp: 1230457

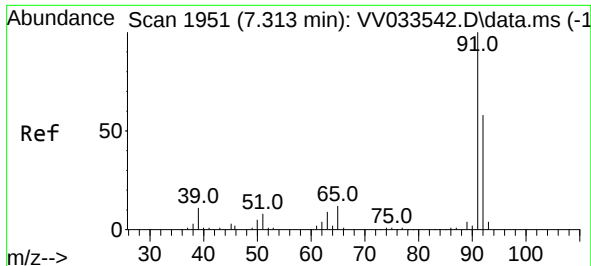
Ion Ratio Lower Upper

43 100

58 37.5 31.4 47.0

100 13.5 10.5 15.7





#42

Toluene

Concen: 20.850 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

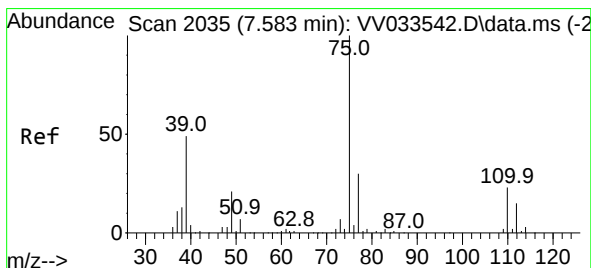
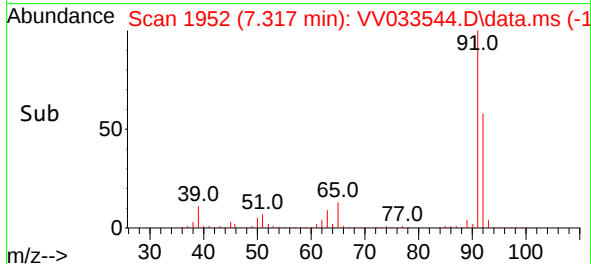
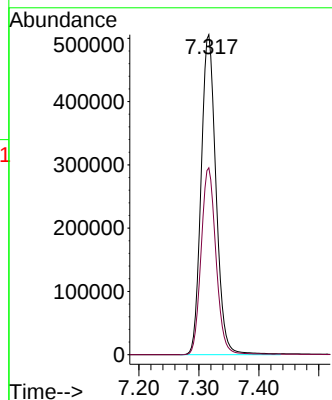
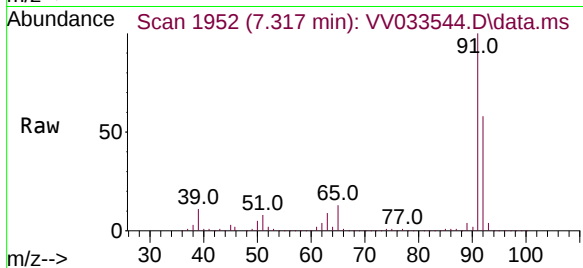
ClientSampleId :

Tgt Ion: 91 Resp: 875078

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 22.521 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV033544.D

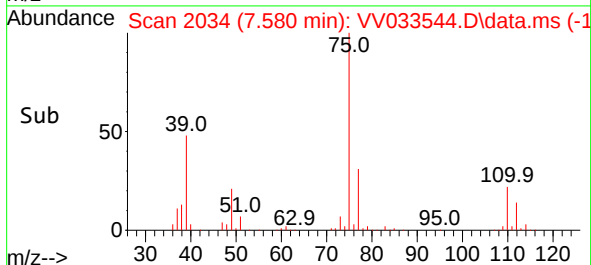
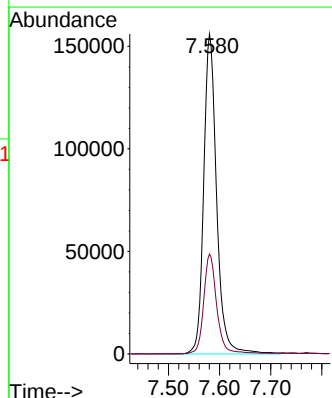
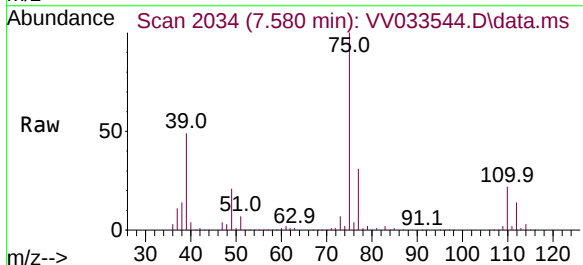
Acq: 28 Dec 2023 11:50

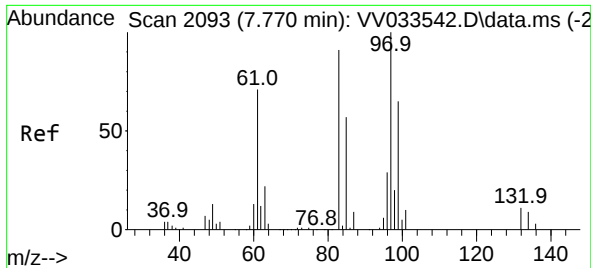
Tgt Ion: 75 Resp: 274389

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



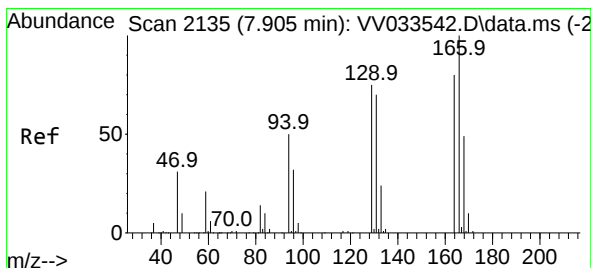
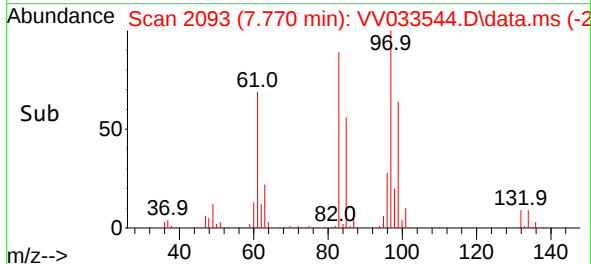
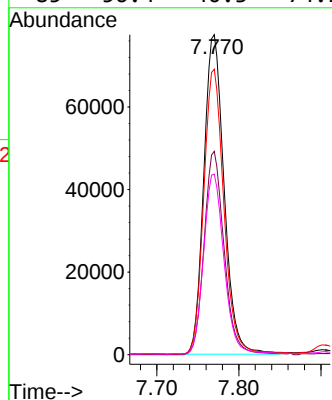
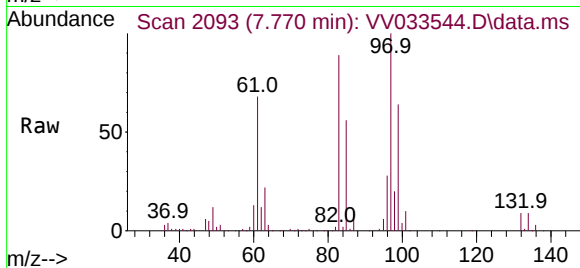


#45
1,1,2-Trichloroethane
Concen: 21.248 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 133239

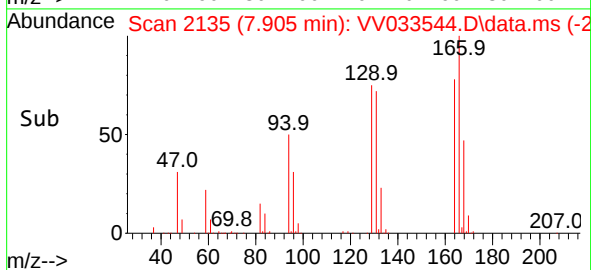
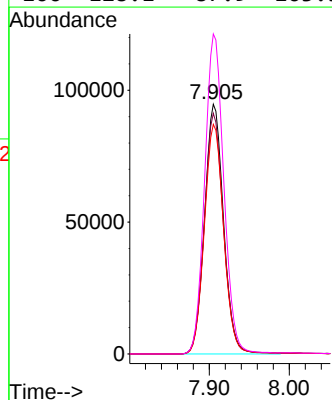
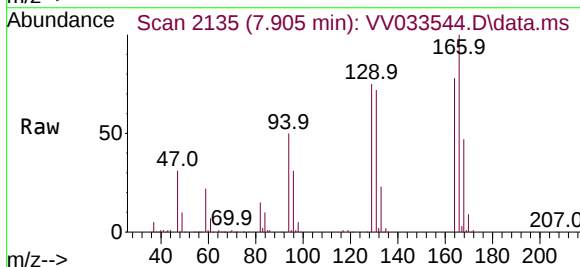
Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.2	84.0
83	89.2	64.3	119.3
85	56.4	40.3	74.9

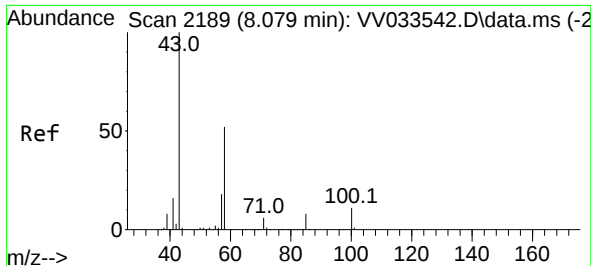


#47
Tetrachloroethene
Concen: 21.010 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 164 Resp: 156672

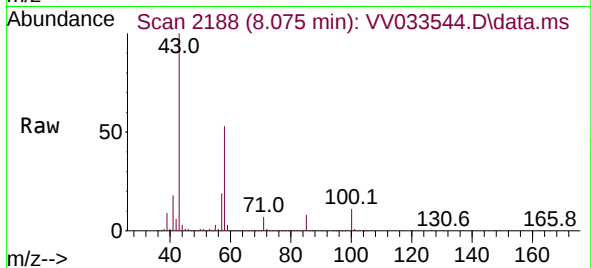
Ion	Ratio	Lower	Upper
164	100		
129	96.4	66.2	123.0
131	91.9	61.2	113.8
166	128.1	87.9	163.3



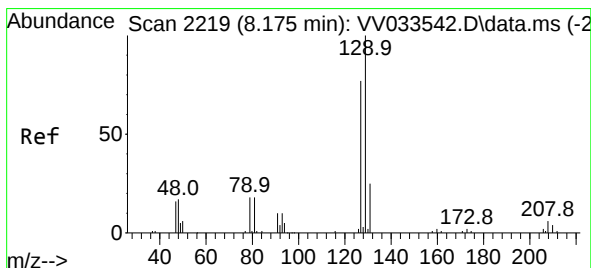
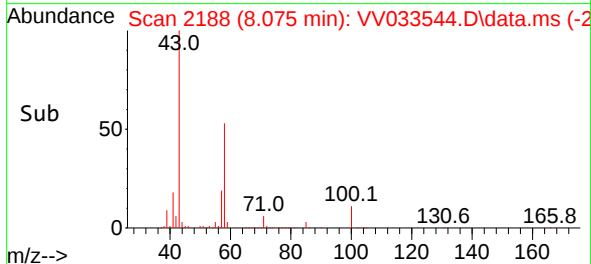
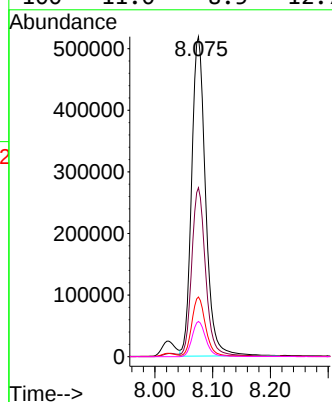


#48
2-Hexanone
Concen: 212.897 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Instrument :
MSVOA_V
ClientSampleId :

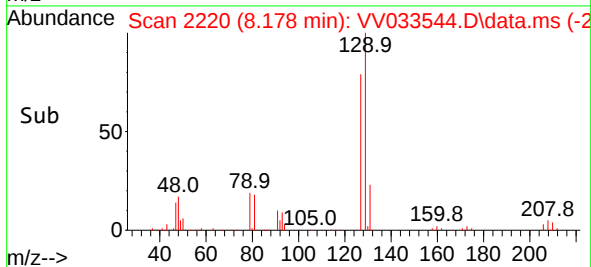
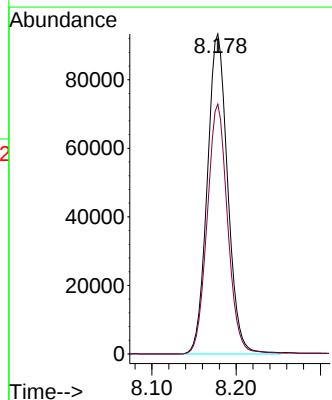
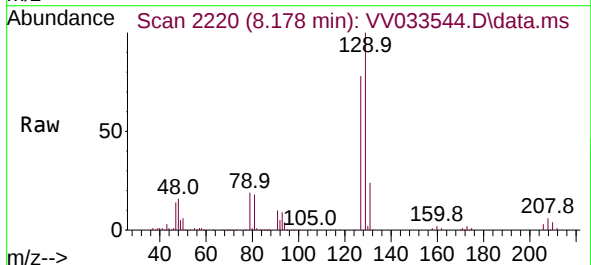


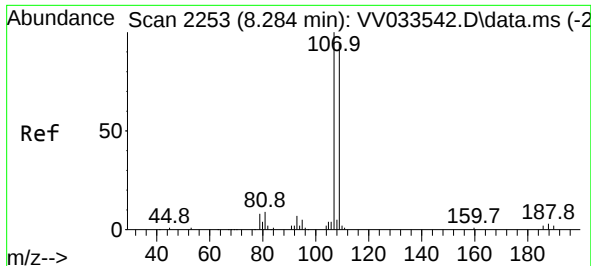
Tgt Ion: 43	Resp: 867559
Ion Ratio	Lower Upper
43 100	
58 52.6	43.3 64.9
57 18.4	14.4 21.6
100 11.0	8.5 12.7



#49
Dibromochloromethane
Concen: 21.430 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion:129	Resp: 157328
Ion Ratio	Lower Upper
129 100	
127 78.1	53.9 100.1





#50

1,2-Dibromoethane

Concen: 21.388 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV033544.D

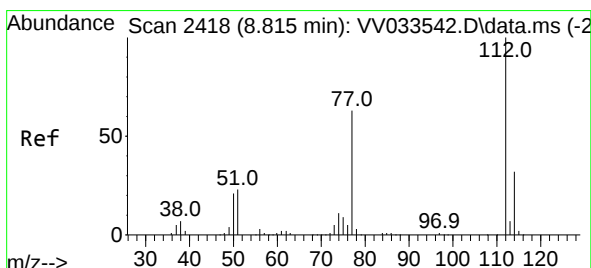
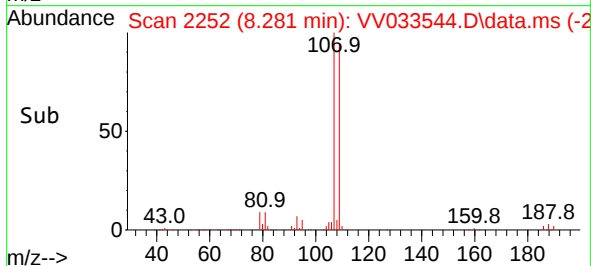
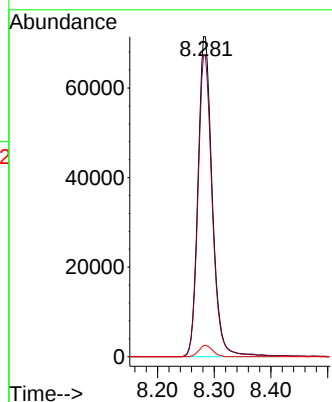
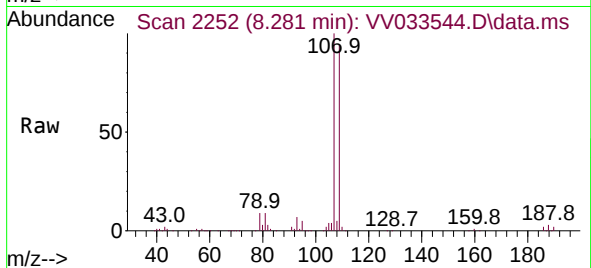
Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	125112
Ion	Ratio	Lower Upper
107	100	
109	94.3	65.8 122.2
188	3.4	2.8 4.2



#51

Chlorobenzene

Concen: 21.049 ug/L

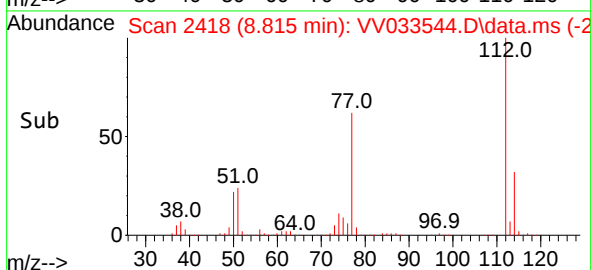
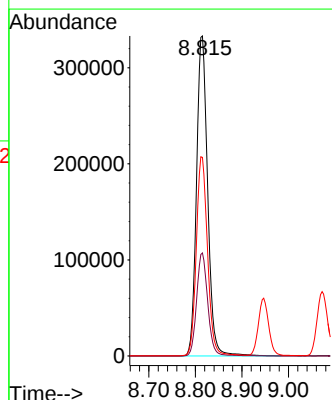
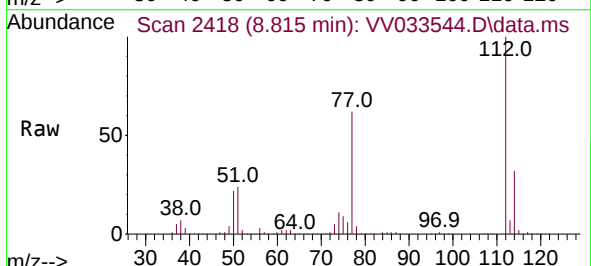
RT: 8.815 min Scan# 2418

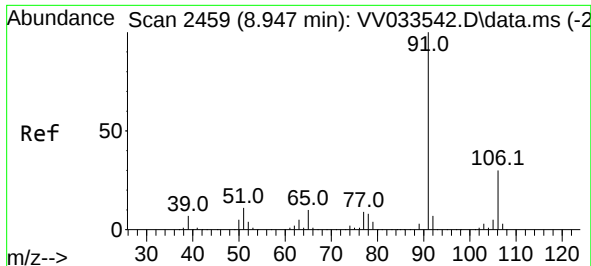
Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Tgt Ion:112	Resp:	553358
Ion	Ratio	Lower Upper
112	100	
114	32.2	22.7 42.1
77	62.0	50.6 76.0

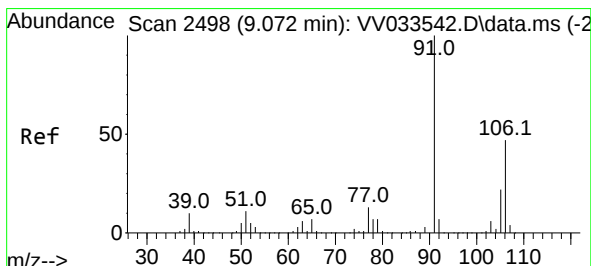
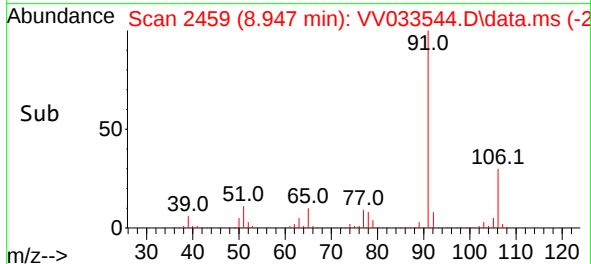
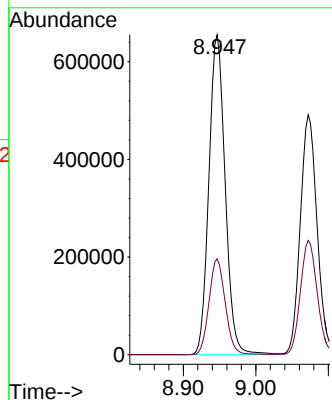
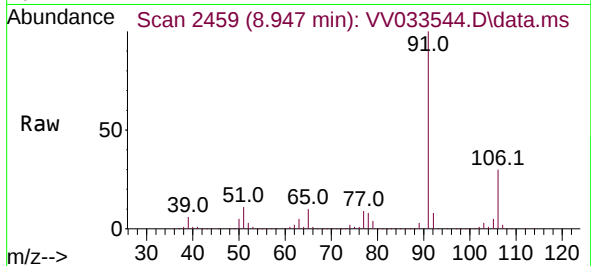




#52
Ethylbenzene
Concen: 20.748 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

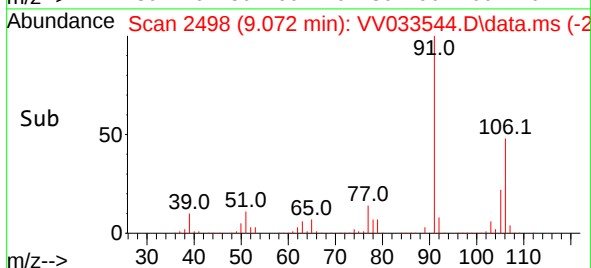
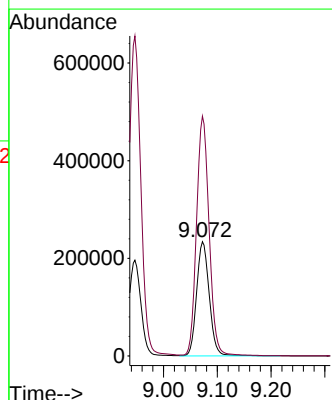
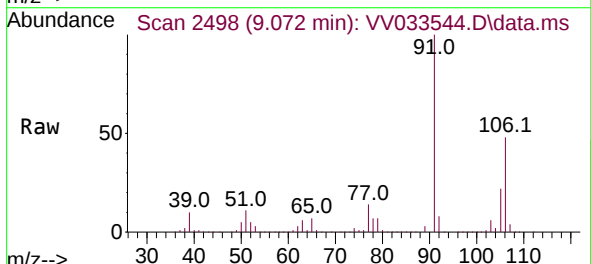
Instrument :
MSVOA_V
ClientSampleId :

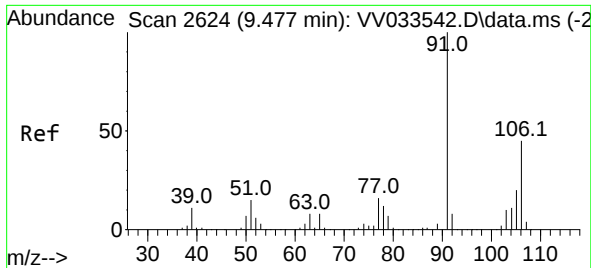
Tgt Ion: 91 Resp: 1023454
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-Xylene
Concen: 20.870 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 106 Resp: 380866
Ion Ratio Lower Upper
106 100
91 209.8 150.4 279.4

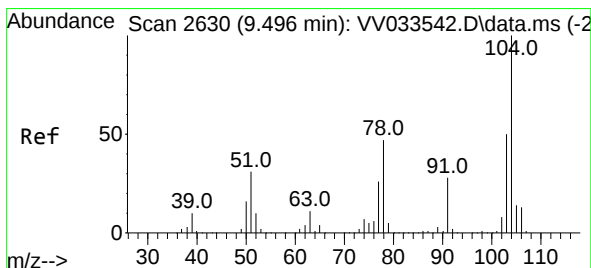
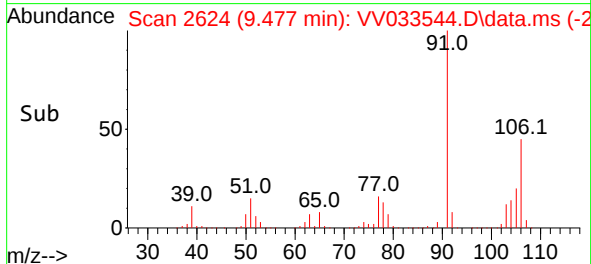
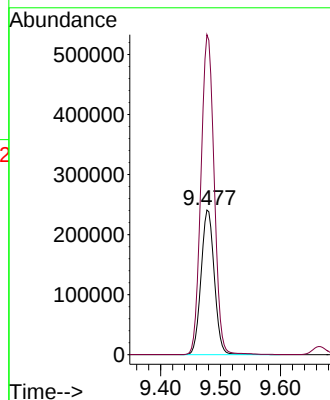
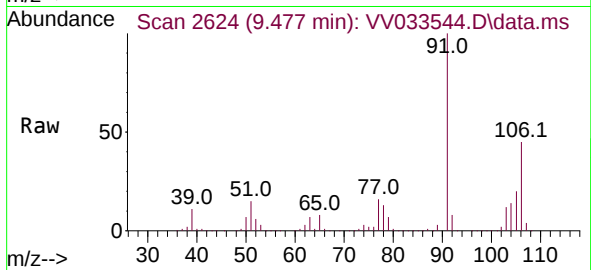




#54
o-Xylene
Concen: 20.962 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

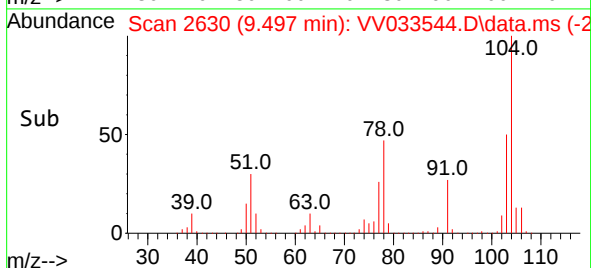
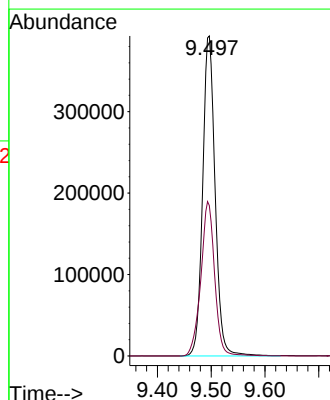
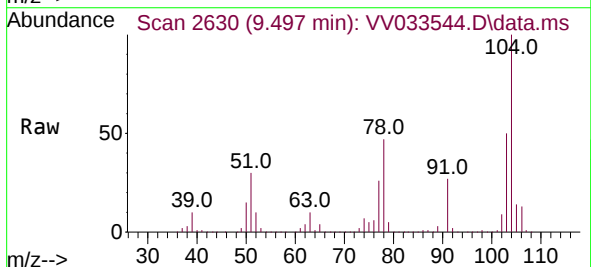
Instrument :
MSVOA_V
ClientSampleId :

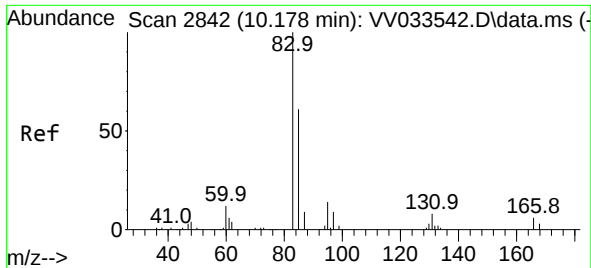
Tgt Ion:106 Resp: 371236
Ion Ratio Lower Upper
106 100
91 221.1 156.1 289.9



#55
Styrene
Concen: 21.346 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion:104 Resp: 633972
Ion Ratio Lower Upper
104 100
78 47.0 33.0 61.4

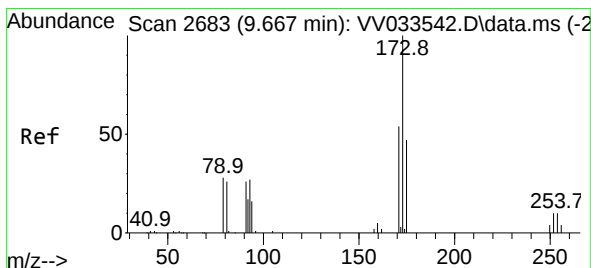
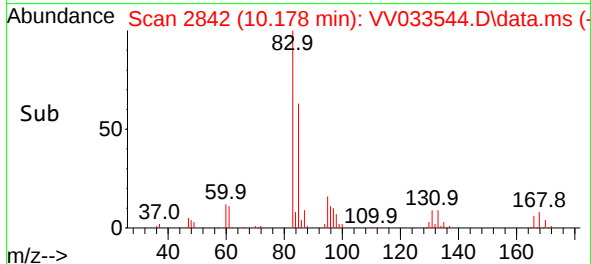
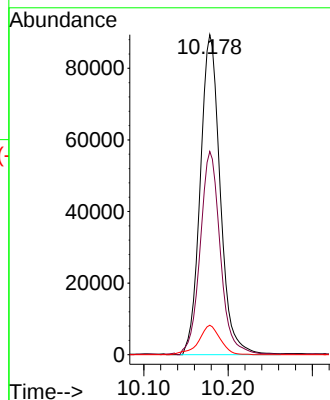
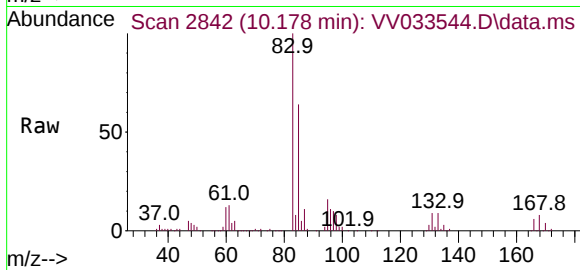




#57
 1,1,2,2-Tetrachloroethane
 Concen: 21.240 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

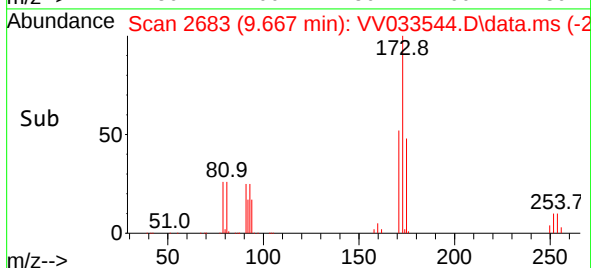
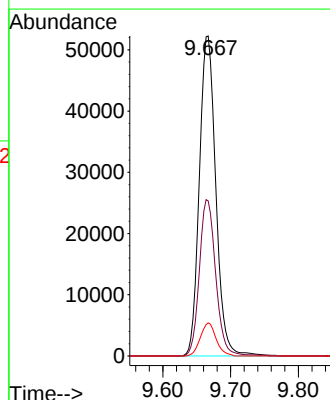
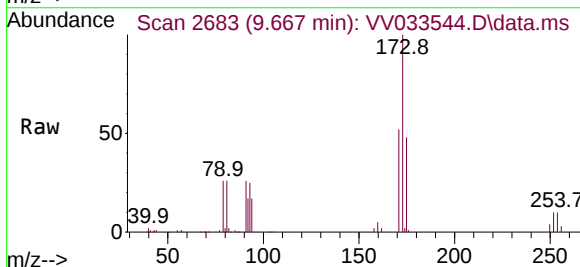
Instrument :
 MSVOA_V
 ClientSampleId :

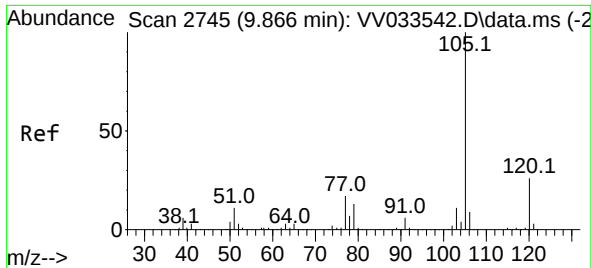
Tgt Ion: 83 Resp: 147380
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.2 82.0
 131 9.2 7.2 10.8



#59
 Bromoform
 Concen: 21.916 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV033544.D
 Acq: 28 Dec 2023 11:50

Tgt Ion: 173 Resp: 88196
 Ion Ratio Lower Upper
 173 100
 175 48.5 36.6 55.0
 254 9.9 7.8 11.8

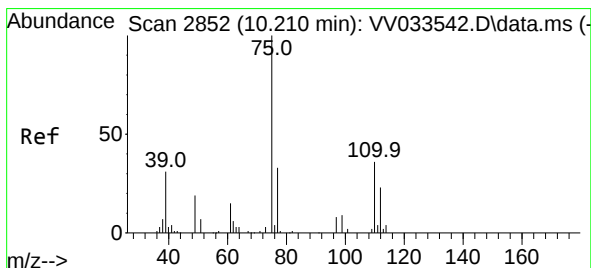
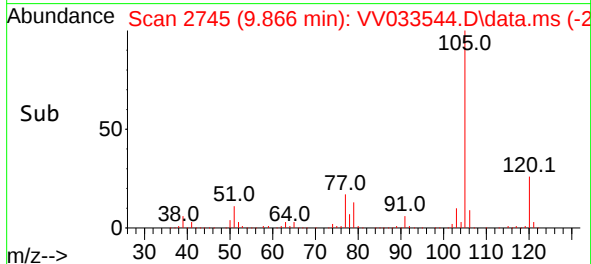
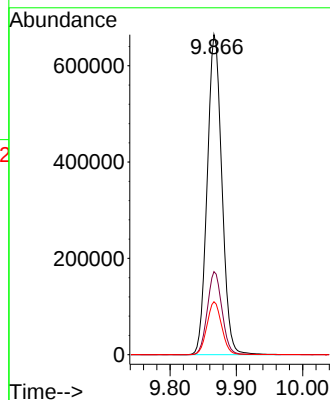
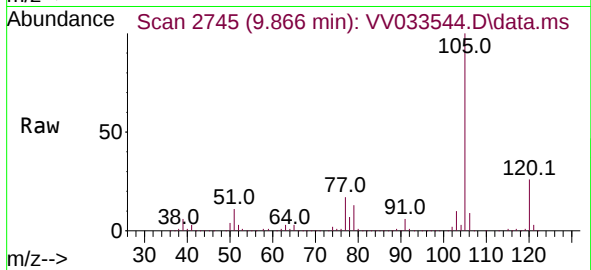




#60
Isopropylbenzene
Concen: 20.060 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

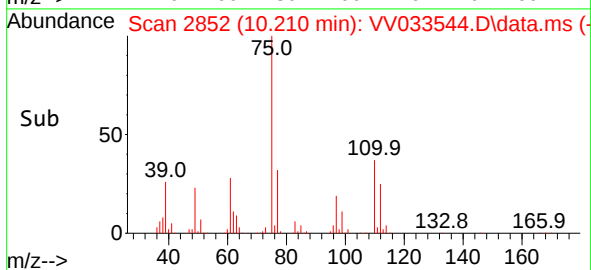
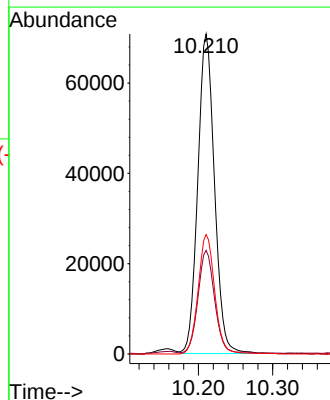
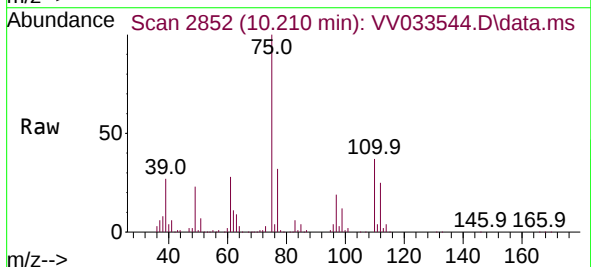
Instrument :
MSVOA_V
ClientSampleId :

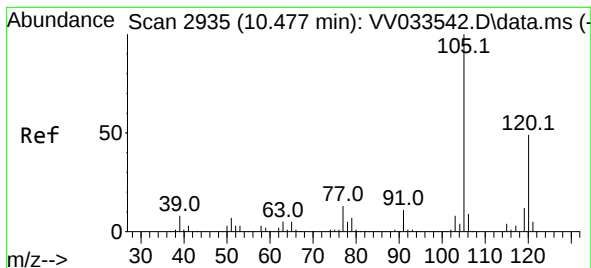
Tgt Ion:105 Resp: 1022439
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 21.000 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion: 75 Resp: 110656
Ion Ratio Lower Upper
75 100
77 31.3 26.4 39.6
110 37.1 29.2 43.8





#62

1,3,5-Trimethylbenzene

Concen: 20.308 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

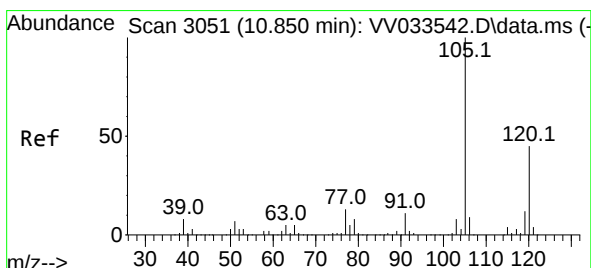
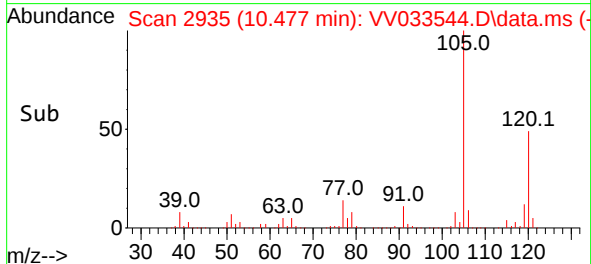
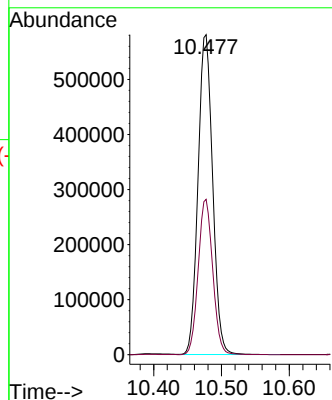
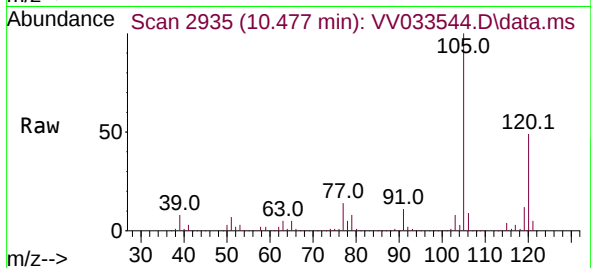
ClientSampleId :

Tgt Ion:105 Resp: 867689

Ion Ratio Lower Upper

105 100

120 48.3 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 20.520 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033544.D

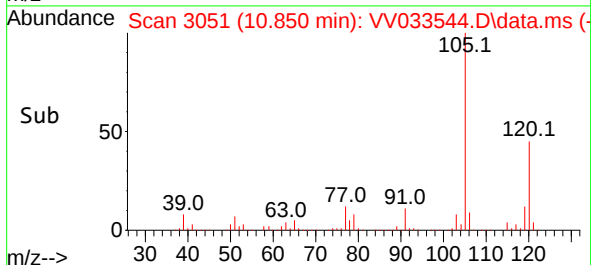
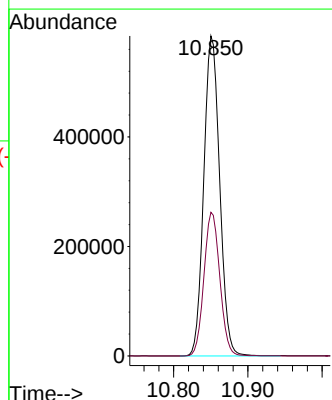
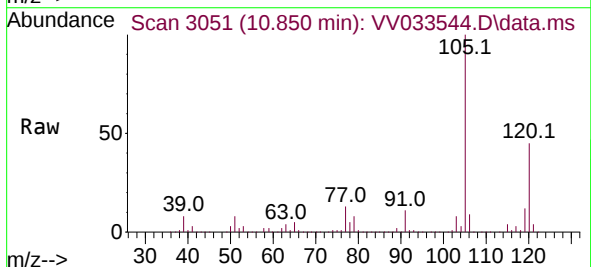
Acq: 28 Dec 2023 11:50

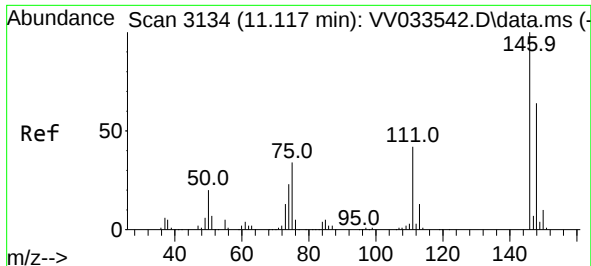
Tgt Ion:105 Resp: 867788

Ion Ratio Lower Upper

105 100

120 44.9 36.1 54.1

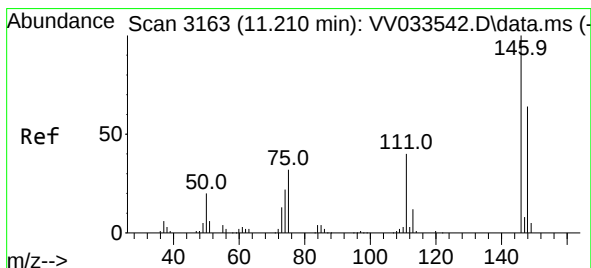
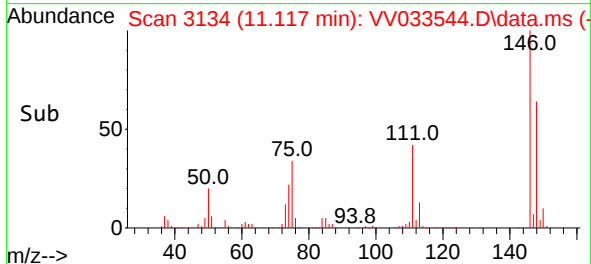
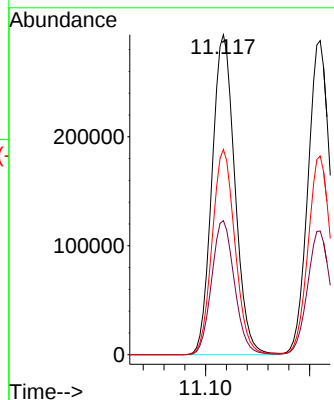
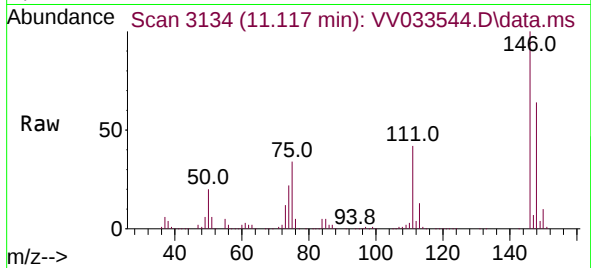




#64
1,3-Dichlorobenzene
Concen: 20.766 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

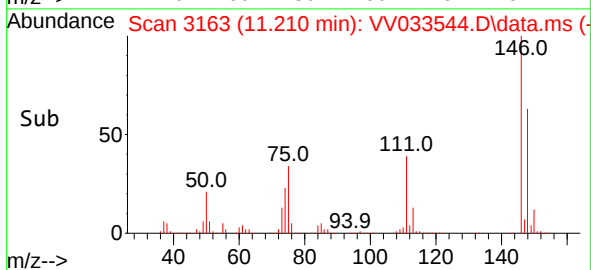
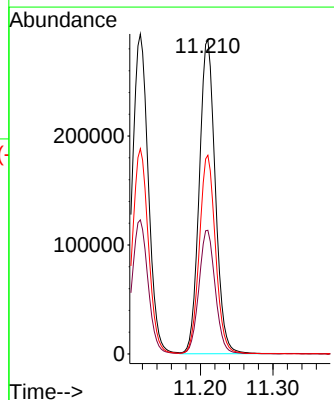
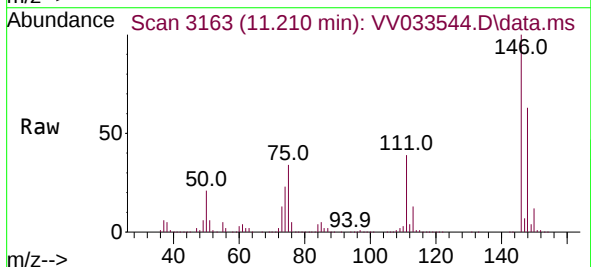
Instrument :
MSVOA_V
ClientSampleId :

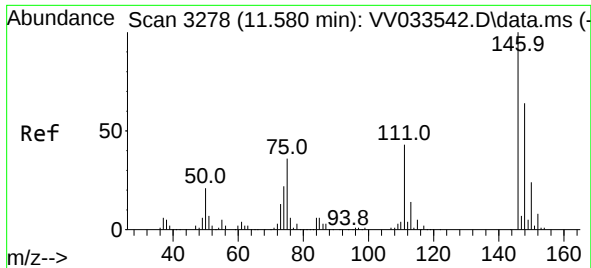
Tgt Ion:146 Resp: 449602
Ion Ratio Lower Upper
146 100
111 41.9 29.5 54.7
148 64.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 20.091 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033544.D
Acq: 28 Dec 2023 11:50

Tgt Ion:146 Resp: 443772
Ion Ratio Lower Upper
146 100
111 39.4 28.0 52.0
148 63.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 20.807 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

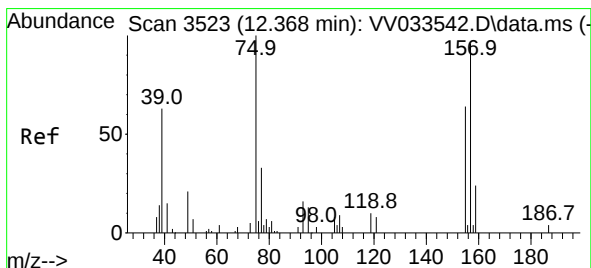
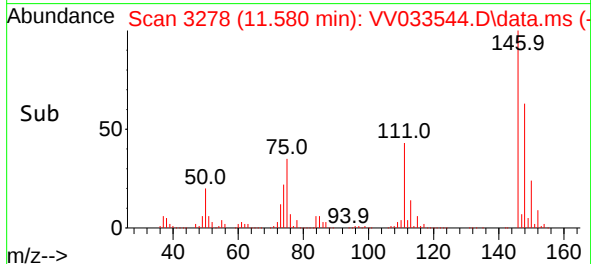
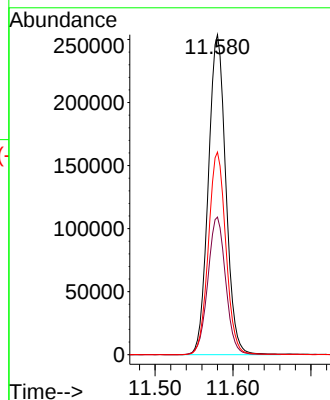
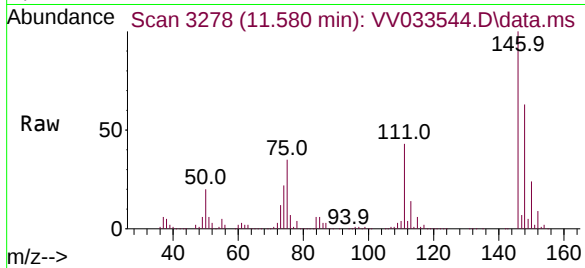
Tgt Ion:146 Resp: 396535

Ion Ratio Lower Upper

146 100

111 43.0 34.6 51.8

148 63.3 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 22.960 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

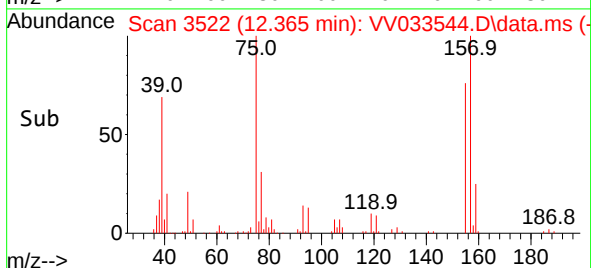
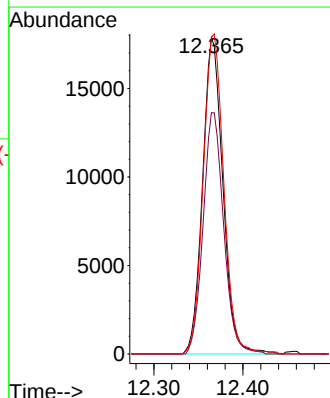
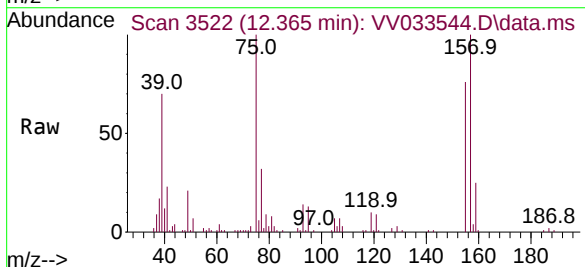
Tgt Ion: 75 Resp: 28336

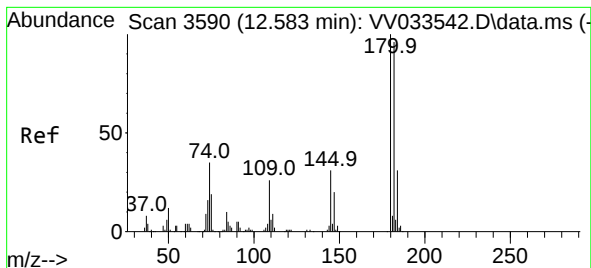
Ion Ratio Lower Upper

75 100

155 76.3 51.4 77.2

157 100.0 77.0 115.6





#69

1,3,5-Trichlorobenzene

Concen: 21.160 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 353305

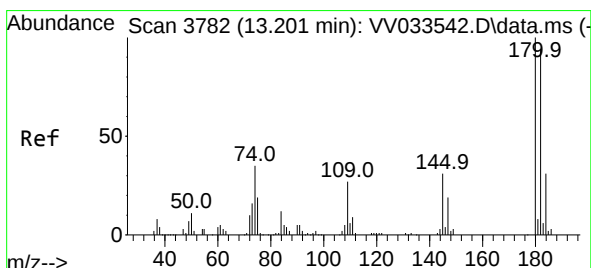
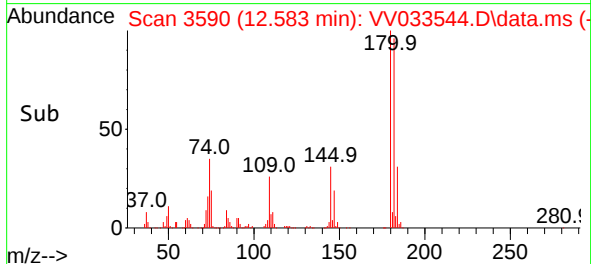
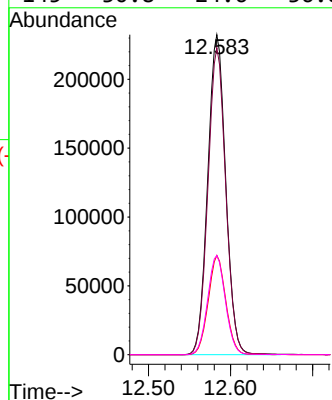
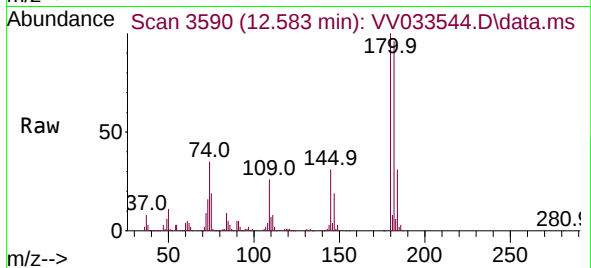
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

184 30.3 24.2 36.4

145 30.8 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 21.243 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

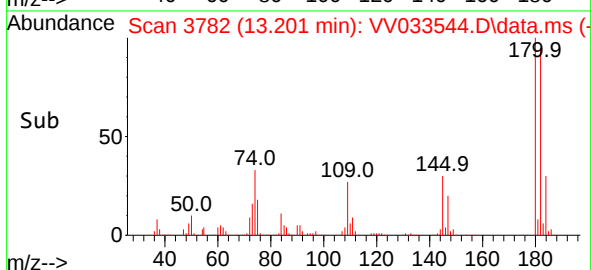
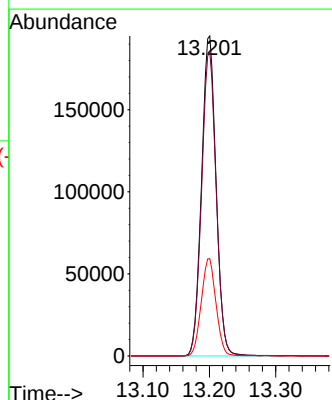
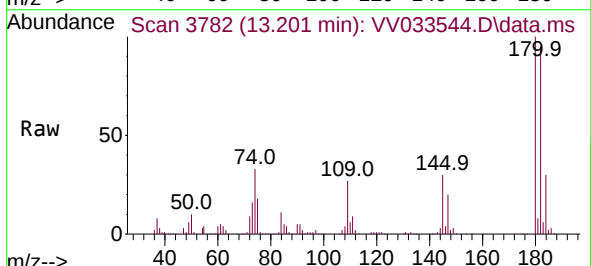
Tgt Ion:180 Resp: 297343

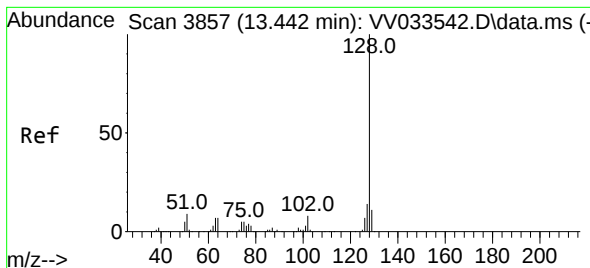
Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 30.7 25.1 37.7





#71

Naphthalene

Concen: 22.320 ug/L

RT: 13.438 min Scan# 3857

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Instrument :

MSVOA_V

ClientSampleId :

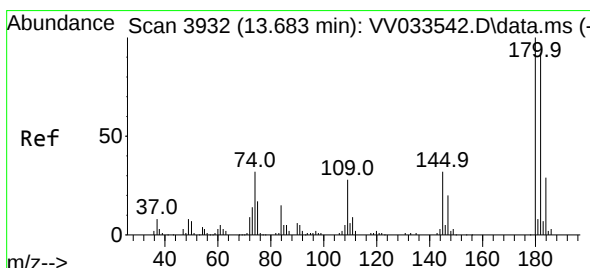
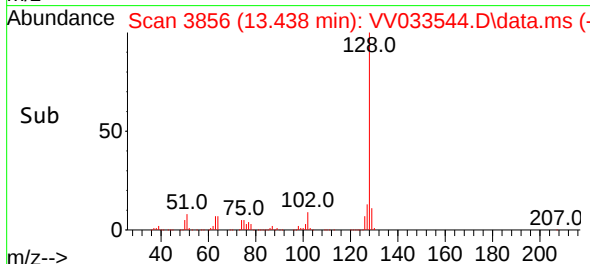
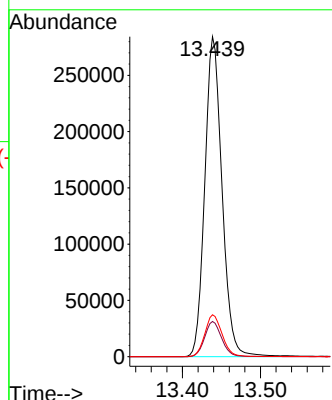
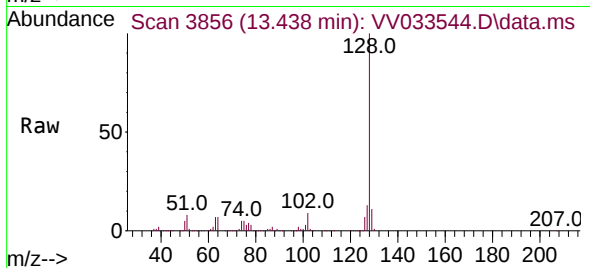
Tgt Ion:128 Resp: 435991

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.3 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 21.678 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.003 min

Lab File: VV033544.D

Acq: 28 Dec 2023 11:50

Tgt Ion:180 Resp: 239289

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.0

145 33.3 26.6 40.0

