

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033494.D
 Acq On : 19 Dec 2023 21:32
 Operator : SY/MD
 Sample : 05847-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 00:30:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	291335	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	292023	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	154940	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	109563	48.835	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.660%
7) Chloroethane-d5	1.532	69	92545	45.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.920%
11) 1,1-Dichloroethene-d2	2.060	65	48496	43.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.840%
21) 2-Butanone-d5	3.786	46	105412	93.225	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.230%
24) Chloroform-d	4.249	84	195807	44.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
26) 1,2-Dichloroethane-d4	4.941	65	125315	45.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
32) Benzene-d6	4.960	84	369602	46.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
36) 1,2-Dichloropropane-d6	5.989	67	115167	48.246	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.500%
41) Toluene-d8	7.243	98	342714	47.621	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.240%
43) trans-1,3-Dichloroprop...	7.551	79	51590	44.099	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.200%
47) 2-Hexanone-d5	8.024	63	70785	88.164	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.160%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	154122	44.923	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.840%
66) 1,2-Dichlorobenzene-d4	11.561	152	125157	42.986	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	98849	41.298	ug/L	100
3) Chloromethane	1.214	50	105618	47.930	ug/L	98
5) Vinyl chloride	1.285	62	112269	47.526	ug/L	98
6) Bromomethane	1.487	94	73455	43.439	ug/L	97
8) Chloroethane	1.548	64	76780	48.145	ug/L	100
9) Trichlorofluoromethane	1.716	101	169935	41.024	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	101025	41.803	ug/L	98
12) 1,1-Dichloroethene	2.072	96	117227	57.100	ug/L	84
13) Acetone	2.108	43	124873	95.140	ug/L	99
14) Carbon disulfide	2.243	76	235726	44.931	ug/L	100
15) Methyl Acetate	2.371	43	92063	49.114	ug/L	91
16) Methylene chloride	2.449	84	105874	46.175	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	90303	46.535	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	290514	49.299	ug/L	99
19) 1,1-Dichloroethane	3.111	63	197495	53.102	ug/L	96
20) cis-1,2-Dichloroethene	3.815	96	102304	46.498	ug/L	95
22) 2-Butanone	3.863	43	182936	141.471	ug/L	98
23) Bromochloromethane	4.150	128	54257	44.990	ug/L	91
25) Chloroform	4.278	83	197310	47.142	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033494.D
 Acq On : 19 Dec 2023 21:32
 Operator : SY/MD
 Sample : 05847-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

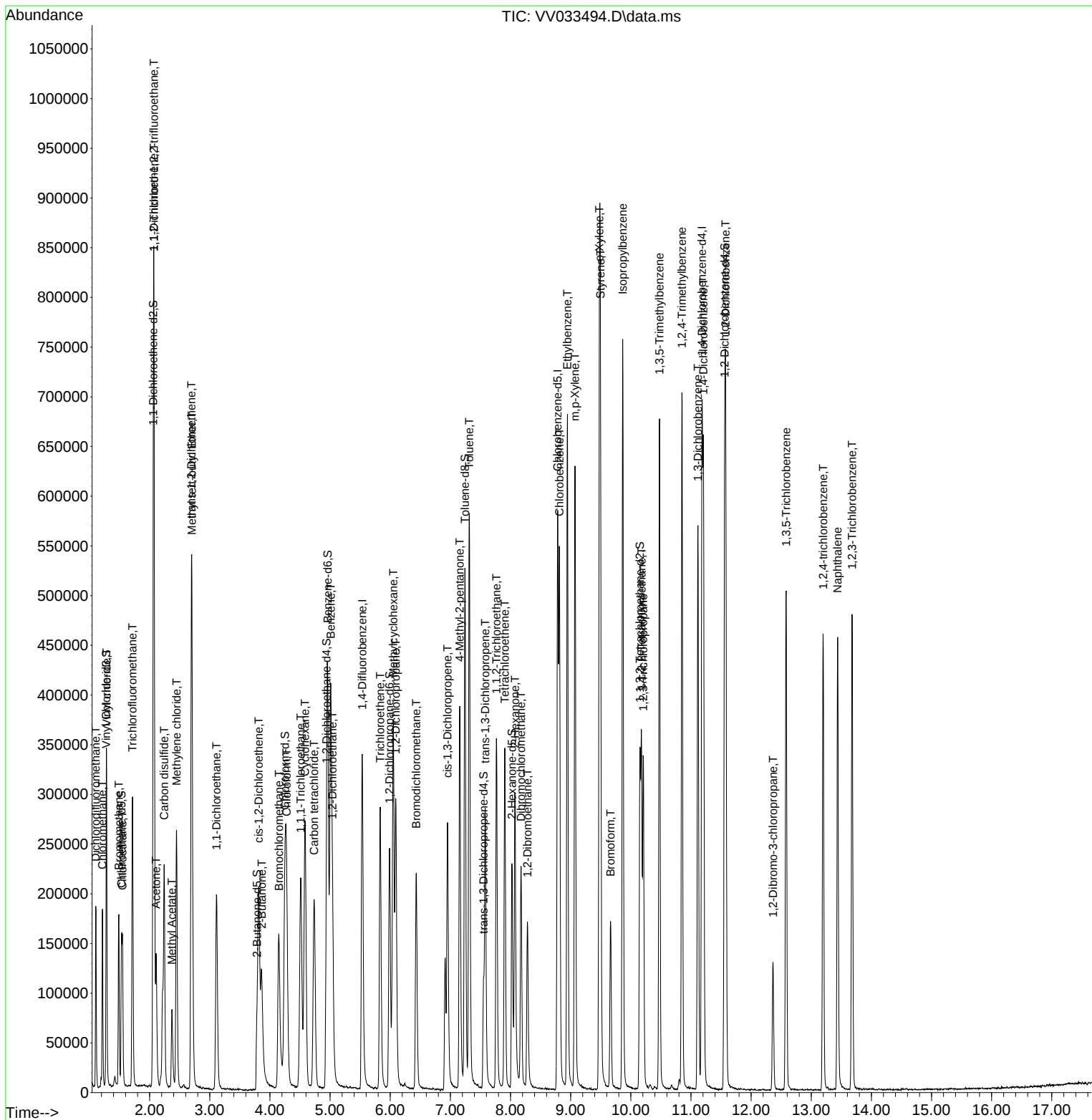
Instrument :
 MSVOA_V
 ClientSampleId :

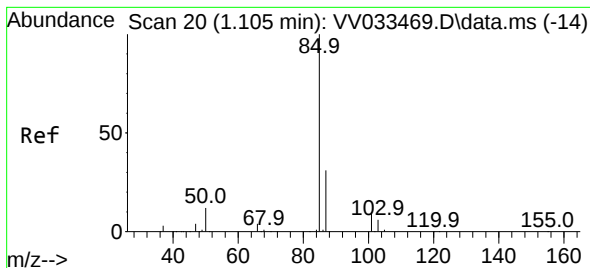
Quant Time: Dec 20 00:30:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	153834	47.682	ug/L	98
29) Cyclohexane	4.584	56	136139	51.725	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	174403	48.371	ug/L	98
31) Carbon tetrachloride	4.735	117	144827	44.884	ug/L	98
33) Benzene	5.011	78	397245	51.037	ug/L	100
34) Trichloroethene	5.834	95	101422	47.496	ug/L	93
35) Methylcyclohexane	6.053	83	142767	46.614	ug/L	94
37) 1,2-Dichloropropane	6.092	63	108439	51.372	ug/L	99
38) Bromodichloromethane	6.432	83	146110	48.093	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	158081	51.478	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	254888	113.152	ug/L	97
42) Toluene	7.313	91	418850	50.771	ug/L	97
44) trans-1,3-Dichloropropene	7.580	75	154140	50.021	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	107358	48.796	ug/L	99
46) Tetrachloroethene	7.905	164	71726	42.987	ug/L	95
48) 2-Hexanone	8.075	43	189904	101.077	ug/L	99
49) Dibromochloromethane	8.175	129	107852	46.360	ug/L	99
50) 1,2-Dibromoethane	8.281	107	106805	47.094	ug/L	99
51) Chlorobenzene	8.815	112	276137	46.446	ug/L	98
52) Ethylbenzene	8.947	91	454441	49.463	ug/L	99
53) m,p-Xylene	9.072	106	169358	49.063	ug/L	97
54) o-Xylene	9.477	106	165428	49.356	ug/L	96
55) Styrene	9.497	104	303141	51.247	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	163645	48.430	ug/L	99
59) Bromoform	9.664	173	70165	43.894	ug/L	99
60) Isopropylbenzene	9.866	105	444199	50.486	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	126432	50.911	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	335200	50.267	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	353186	50.997	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	216660	47.379	ug/L	95
65) 1,4-Dichlorobenzene	11.207	146	223447	45.401	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	219024	46.017	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32058	47.655	ug/L	85
69) 1,3,5-Trichlorobenzene	12.583	180	140708	44.493	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	123410	44.642	ug/L	98
71) Naphthalene	13.439	128	340553	45.786	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	127848	47.281	ug/L	99

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

Quant Time: Dec 20 00:30:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 20 00:24:21 2023
Response via : Initial Calibration

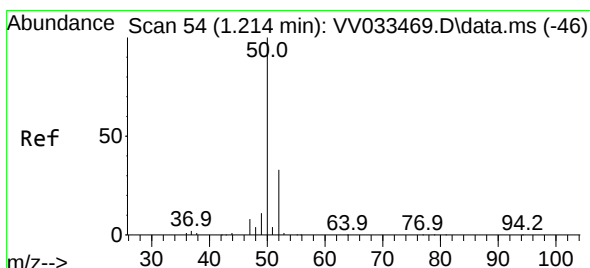
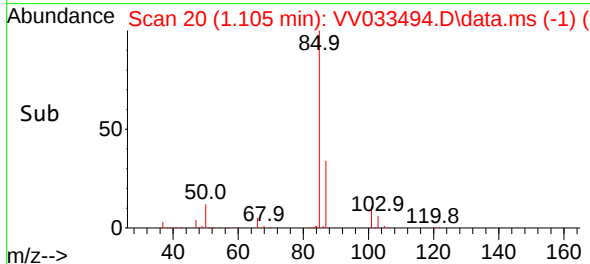
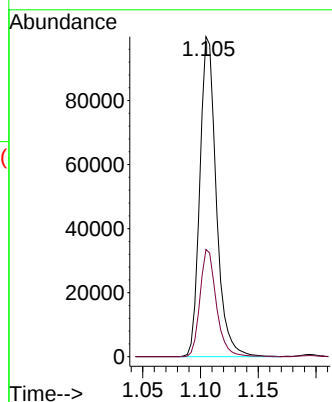
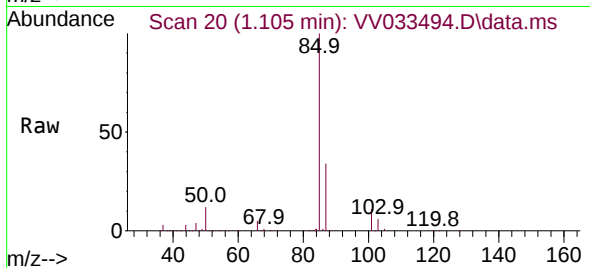




#2
 Dichlorodifluoromethane
 Concen: 41.298 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

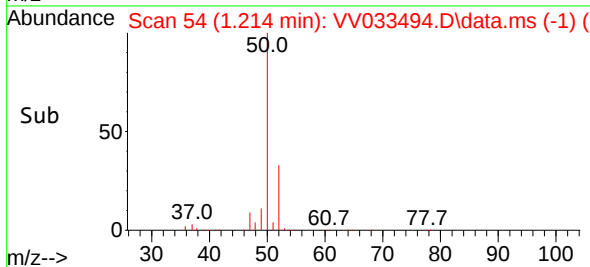
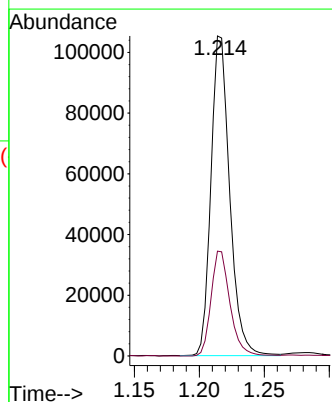
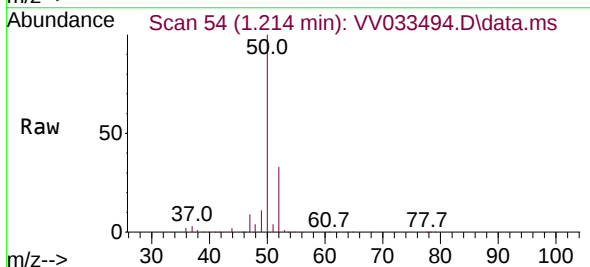
Instrument :
 MSVOA_V
 ClientSampleId :

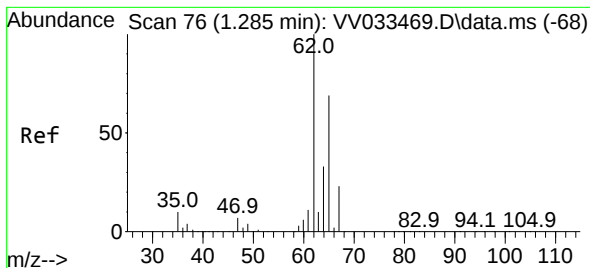
Tgt Ion: 85 Resp: 98849
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.6 39.8



#3
 Chloromethane
 Concen: 47.930 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

Tgt Ion: 50 Resp: 105618
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.3 41.5

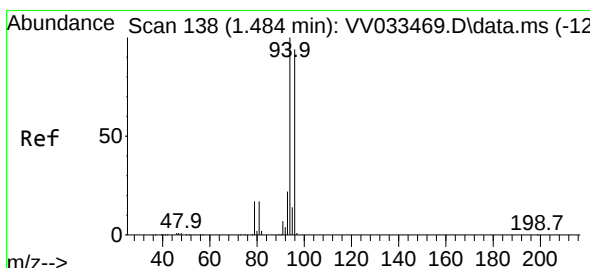
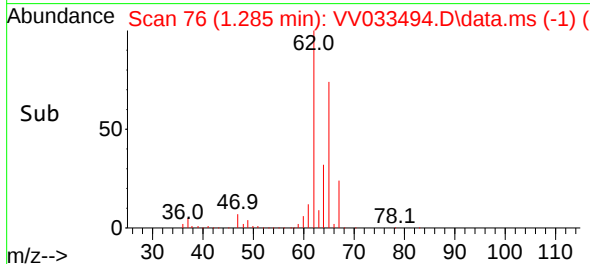
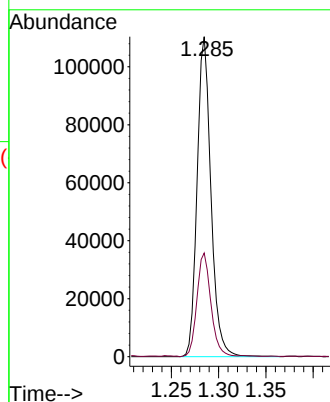
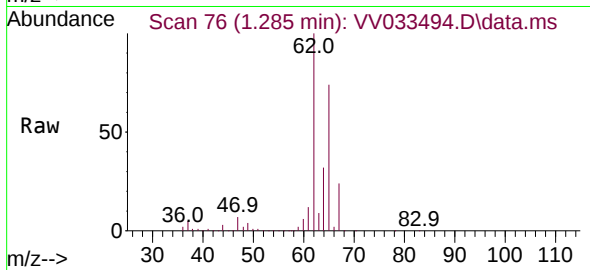




#5
 Vinyl chloride
 Concen: 47.526 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

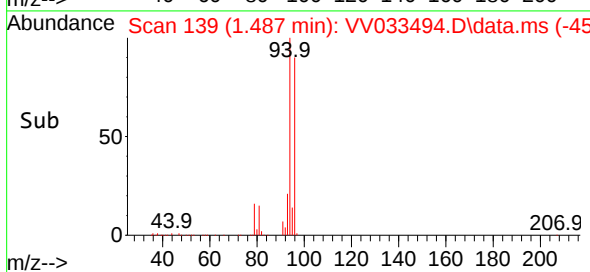
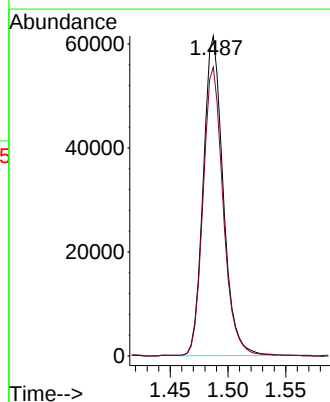
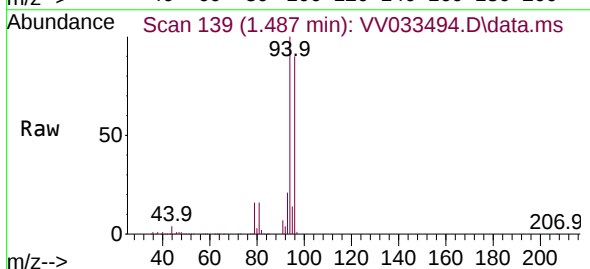
Instrument :
 MSVOA_V
 ClientSampleId :

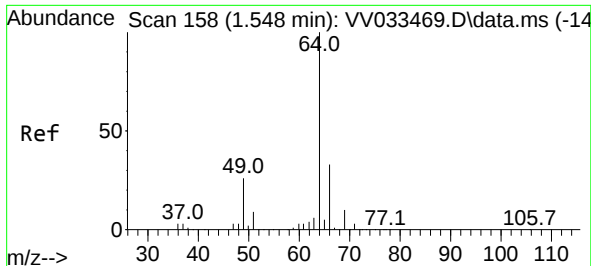
Tgt Ion: 62 Resp: 112269
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.6



#6
 Bromomethane
 Concen: 43.439 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

Tgt Ion: 94 Resp: 73455
 Ion Ratio Lower Upper
 94 100
 96 90.3 65.1 120.9

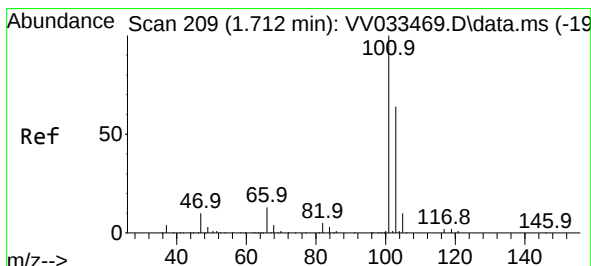
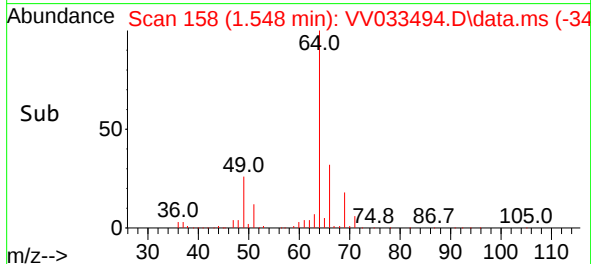
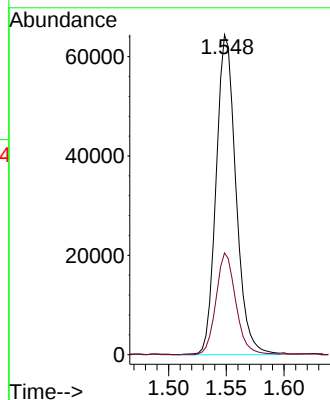
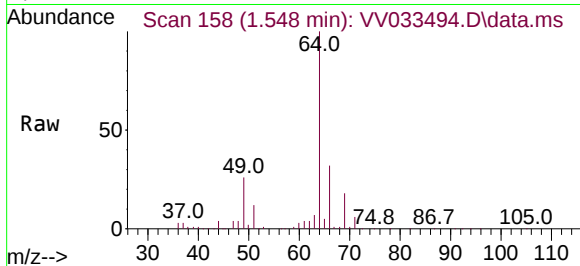




#8
Chloroethane
Concen: 48.145 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

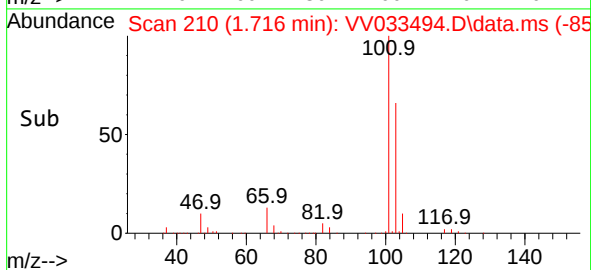
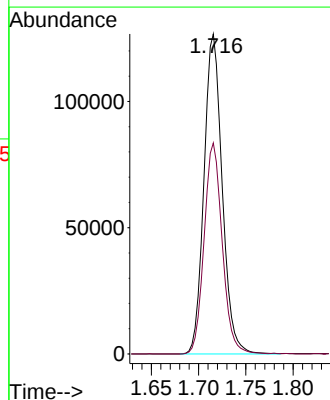
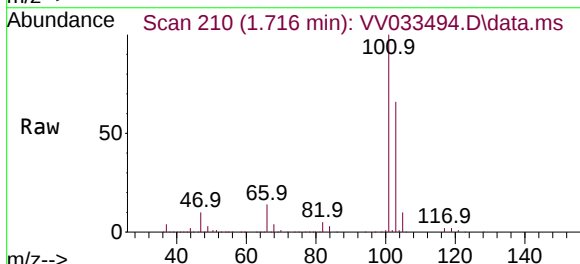
Instrument :
MSVOA_V
ClientSampleId :

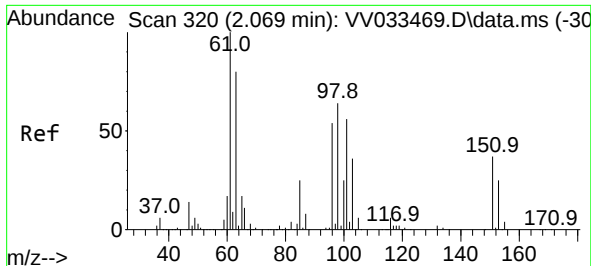
Tgt Ion: 64 Resp: 76780
Ion Ratio Lower Upper
64 100
66 31.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 41.024 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion:101 Resp: 169935
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

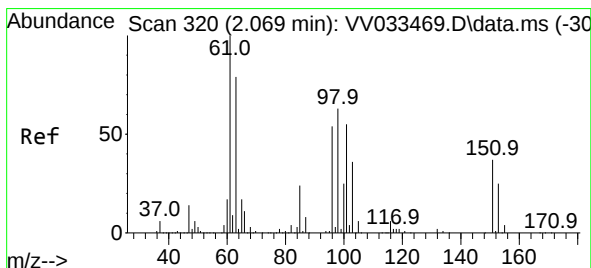
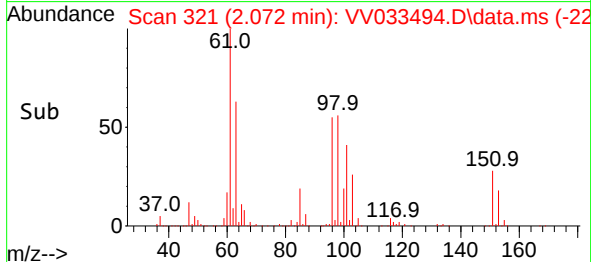
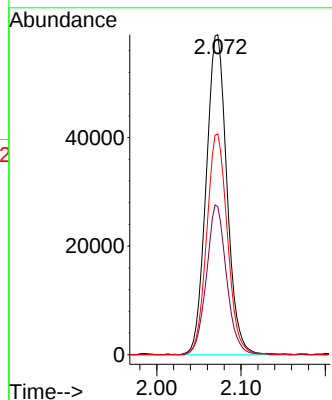
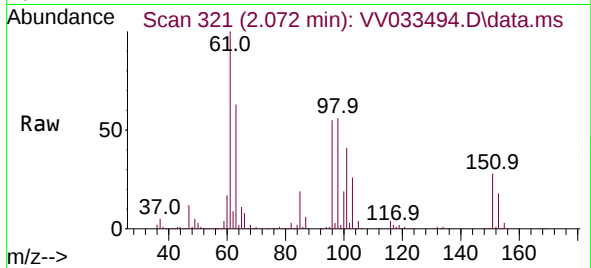




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.803 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

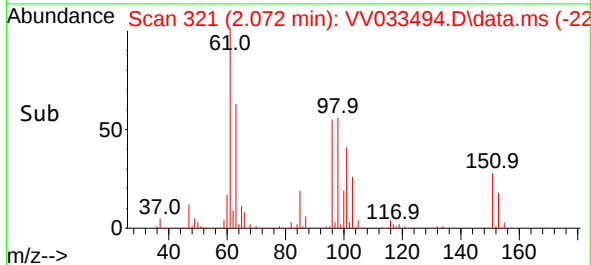
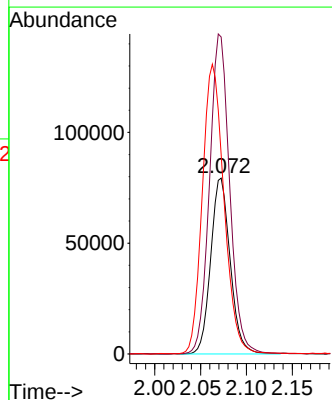
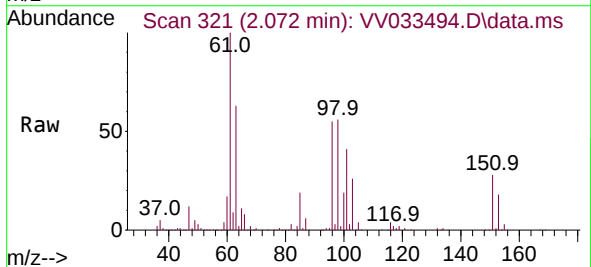
Instrument :
 MSVOA_V
 ClientSampleId :

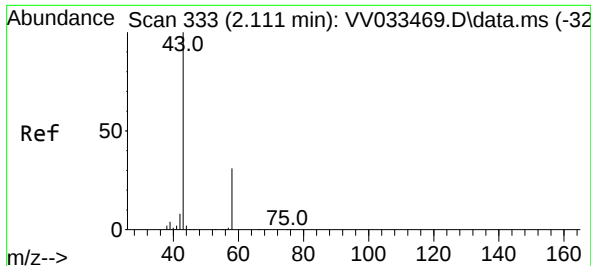
Tgt Ion:101 Resp: 101025
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.6 54.8
 151 68.8 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 57.100 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

Tgt Ion: 96 Resp: 117227
 Ion Ratio Lower Upper
 96 100
 61 180.2 124.3 230.8
 63 113.3 108.1 200.7





#13

Acetone

Concen: 95.140 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

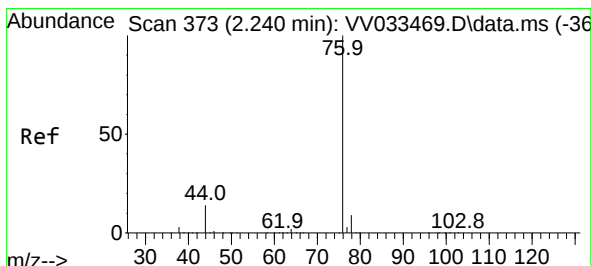
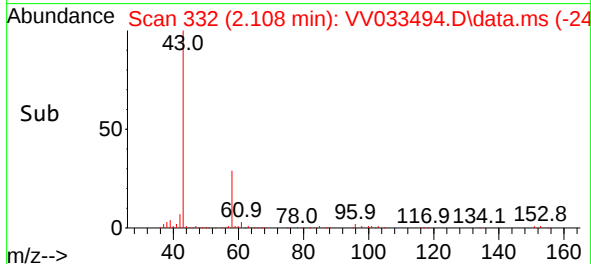
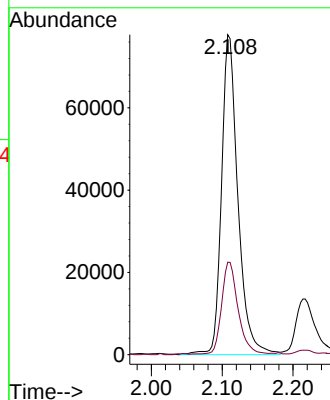
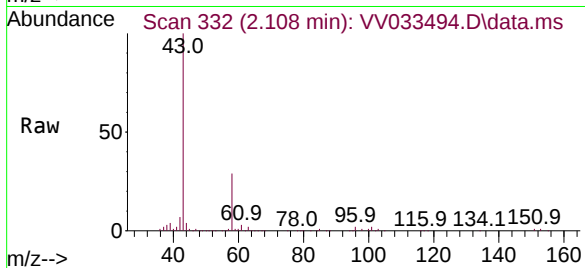
ClientSampleId :

Tgt Ion: 43 Resp: 124873

Ion Ratio Lower Upper

43 100

58 29.0 0.0 59.2



#14

Carbon disulfide

Concen: 44.931 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033494.D

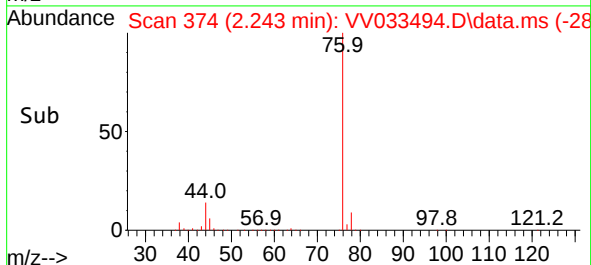
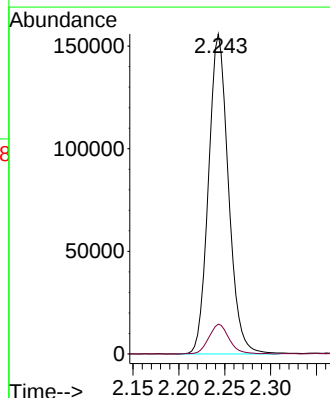
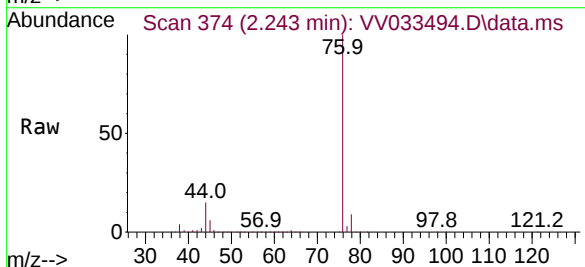
Acq: 19 Dec 2023 21:32

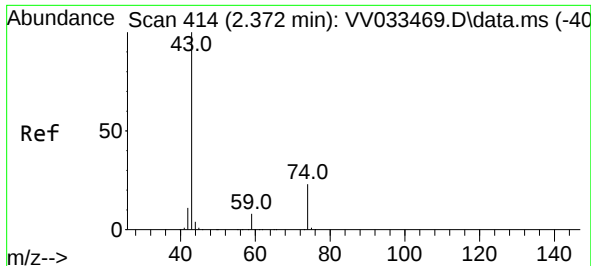
Tgt Ion: 76 Resp: 235726

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

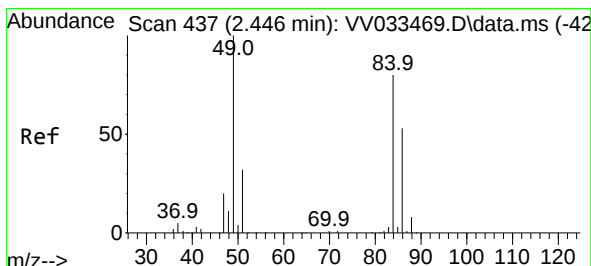
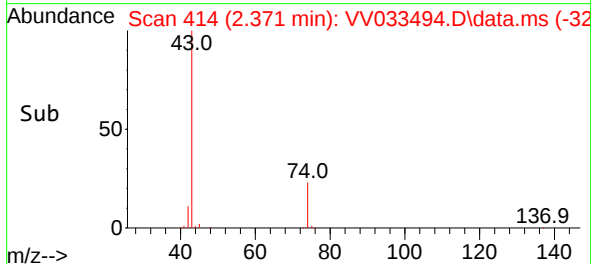
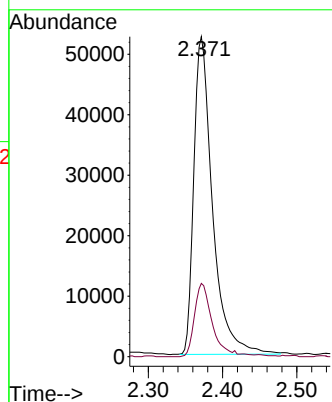
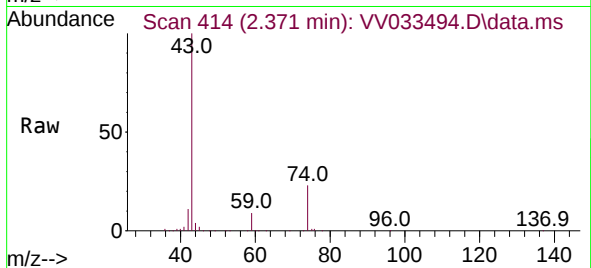




#15
Methyl Acetate
Concen: 49.114 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

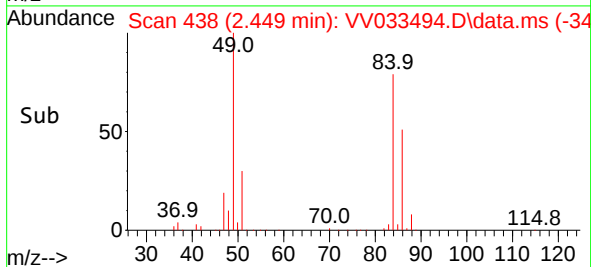
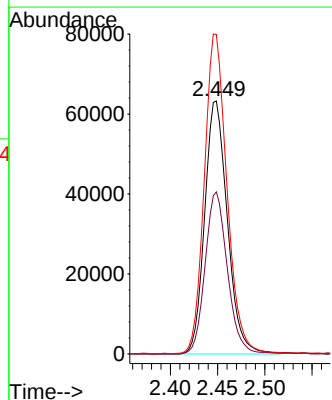
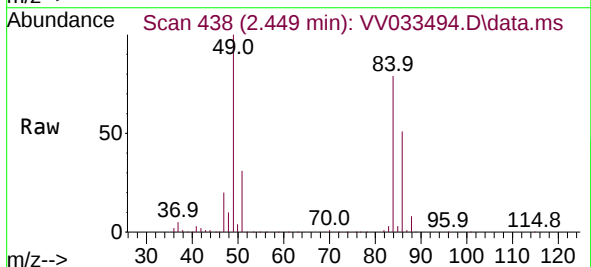
Instrument :
MSVOA_V
ClientSampleId :

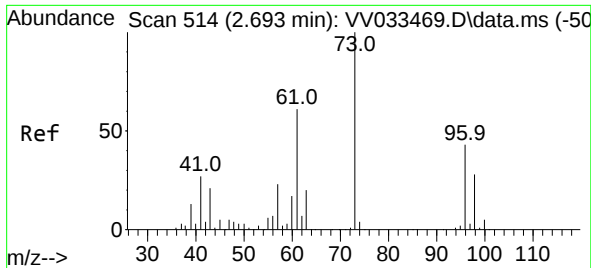
Tgt Ion: 43 Resp: 92063
Ion Ratio Lower Upper
43 100
74 21.3 20.8 31.2



#16
Methylene chloride
Concen: 46.175 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 84 Resp: 105874
Ion Ratio Lower Upper
84 100
86 64.1 45.4 84.2
49 126.3 83.3 154.7

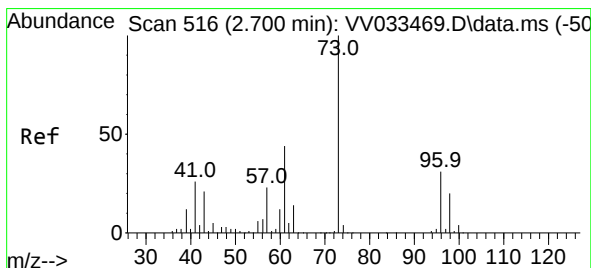
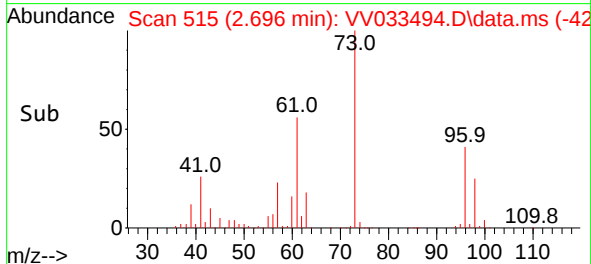
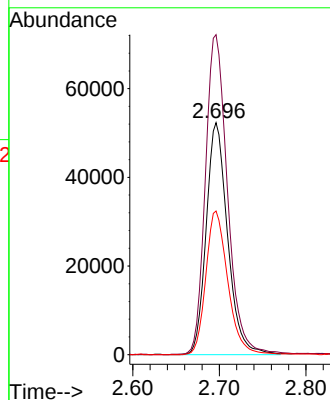
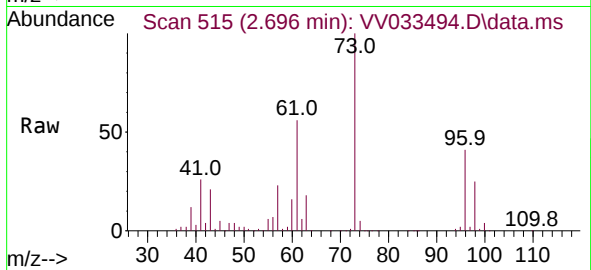




#17
trans-1,2-Dichloroethene
Concen: 46.535 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

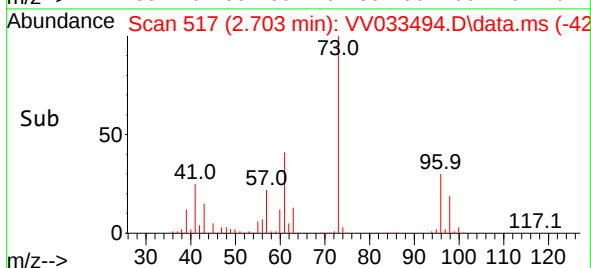
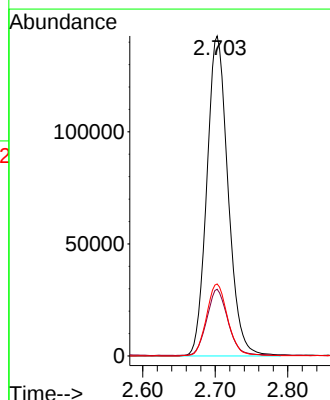
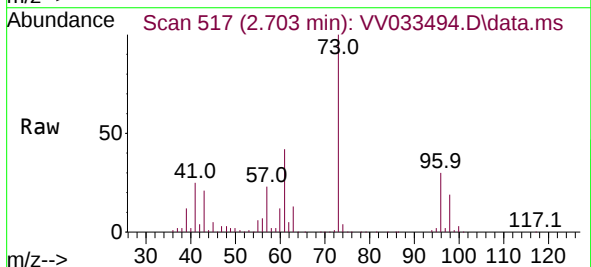
Instrument :
MSVOA_V
ClientSampleId :

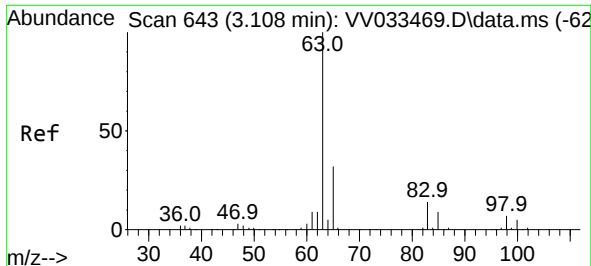
Tgt Ion: 96 Resp: 90303
Ion Ratio Lower Upper
96 100
61 138.0 89.6 166.4
98 62.0 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 49.299 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 73 Resp: 290514
Ion Ratio Lower Upper
73 100
43 20.5 16.3 24.5
57 22.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 53.102 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

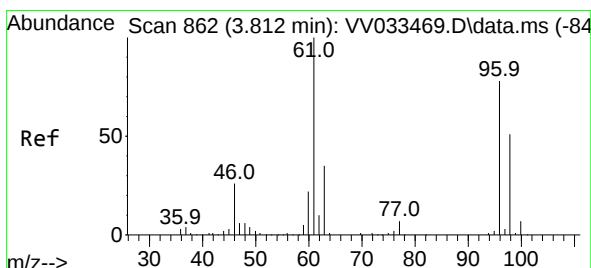
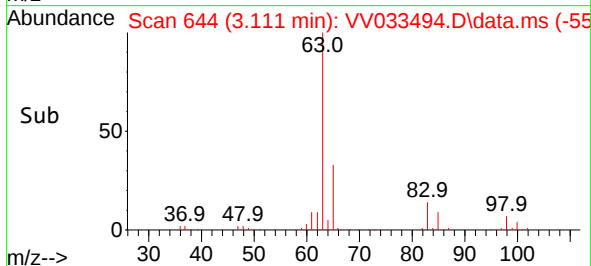
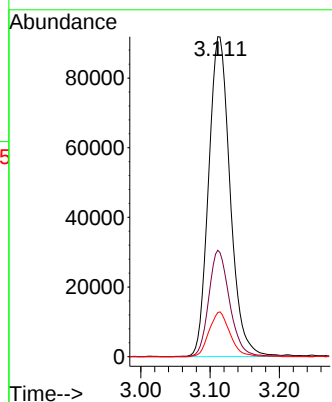
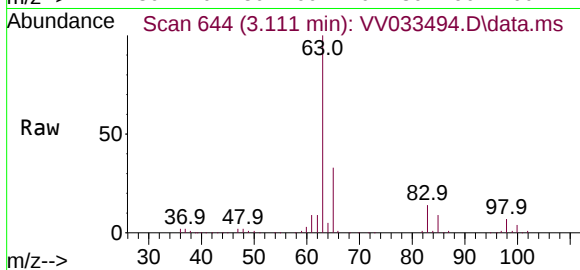
Tgt Ion: 63 Resp: 197495

Ion Ratio Lower Upper

63 100

65 33.3 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 46.498 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

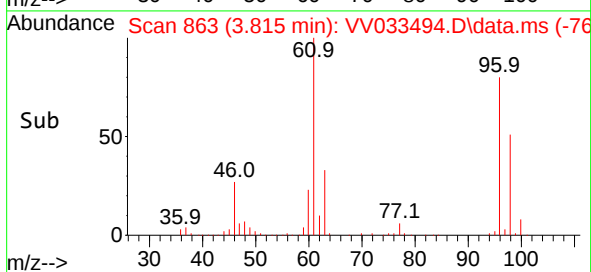
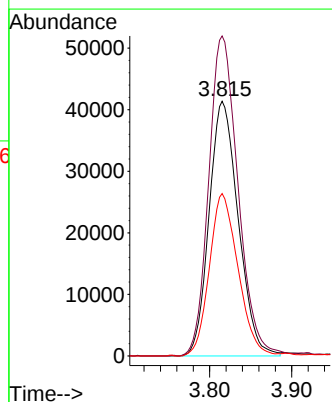
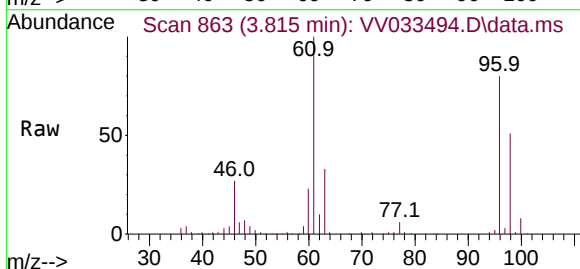
Tgt Ion: 96 Resp: 102304

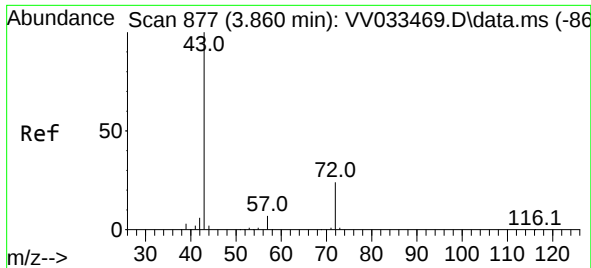
Ion Ratio Lower Upper

96 100

61 125.7 81.9 152.1

98 63.8 44.3 82.3

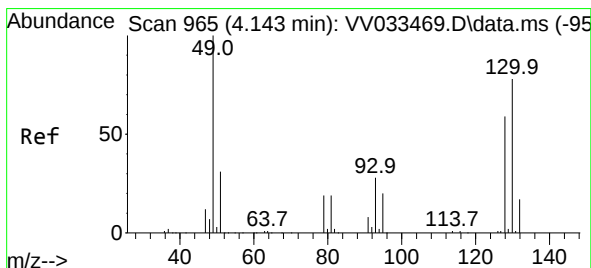
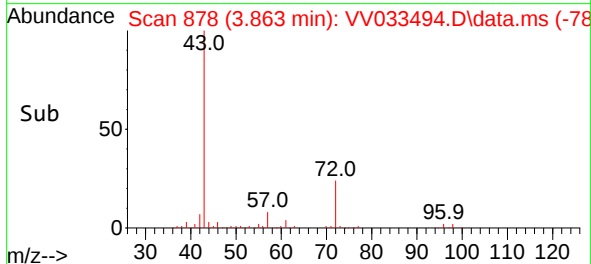
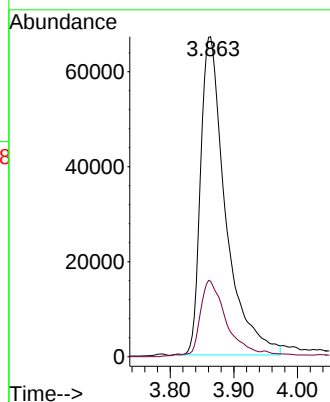
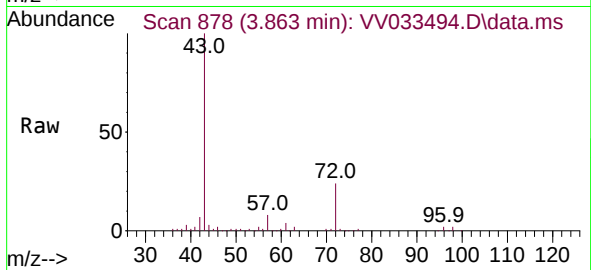




#22
2-Butanone
Concen: 141.471 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

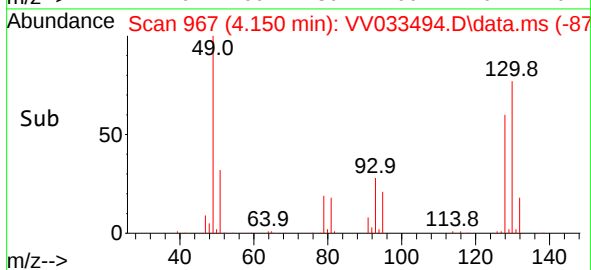
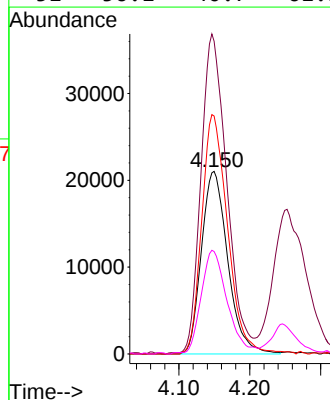
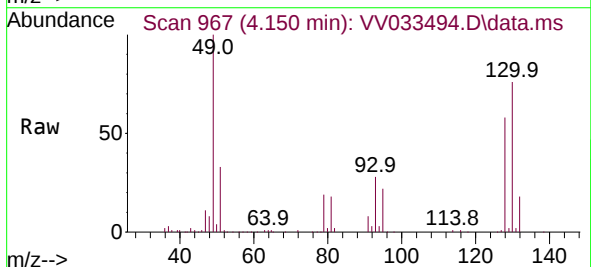
Instrument :
MSVOA_V
ClientSampleId :

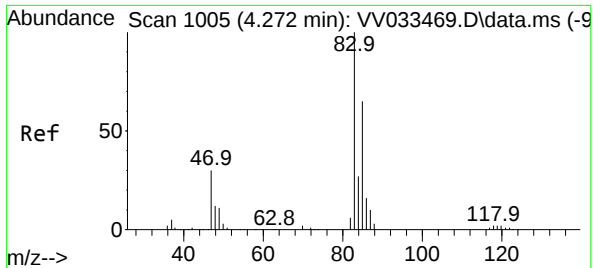
Tgt Ion: 43 Resp: 182936
Ion Ratio Lower Upper
43 100
72 24.1 12.4 37.4



#23
Bromochloromethane
Concen: 44.990 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.006 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion:128 Resp: 54257
Ion Ratio Lower Upper
128 100
49 171.3 106.0 196.9
130 130.4 93.6 173.8
51 56.1 40.7 61.1

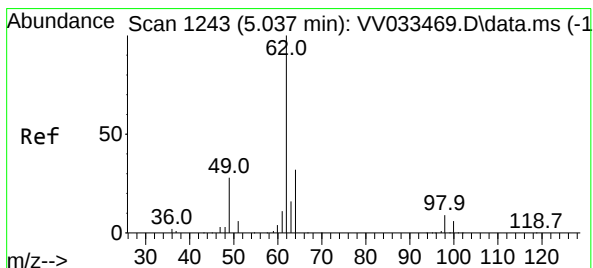
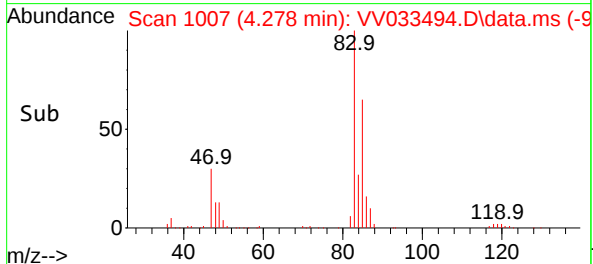
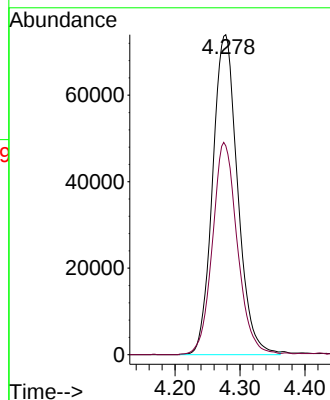
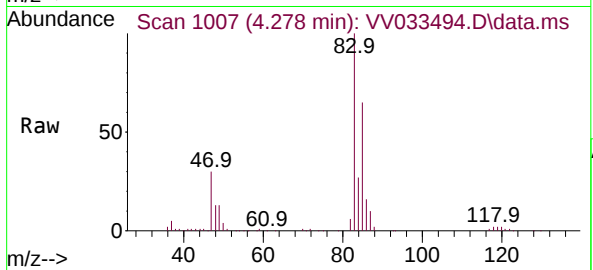




#25
Chloroform
Concen: 47.142 ug/L
RT: 4.278 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

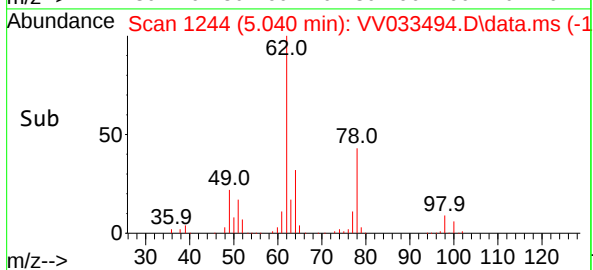
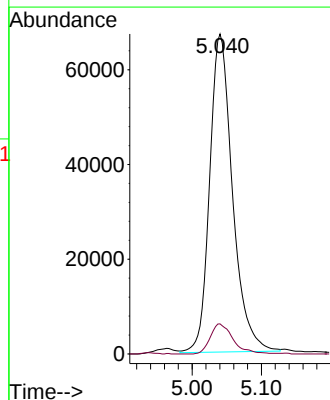
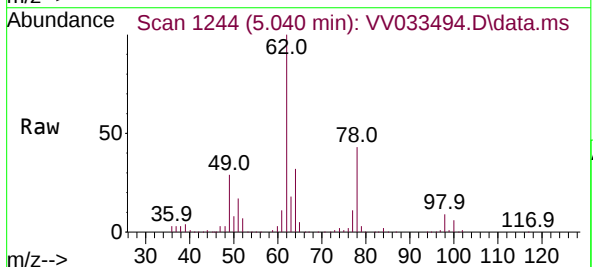
Instrument :
MSVOA_V
ClientSampleId :

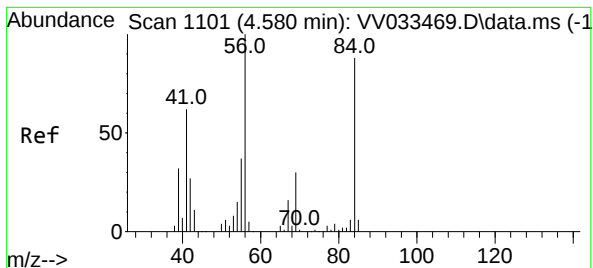
Tgt Ion: 83 Resp: 197310
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 47.682 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 62 Resp: 153834
Ion Ratio Lower Upper
62 100
98 9.4 8.0 12.0





#29

Cyclohexane

Concen: 51.725 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

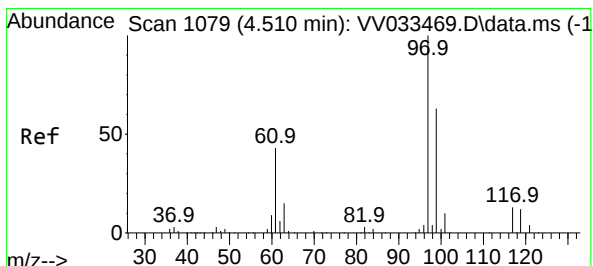
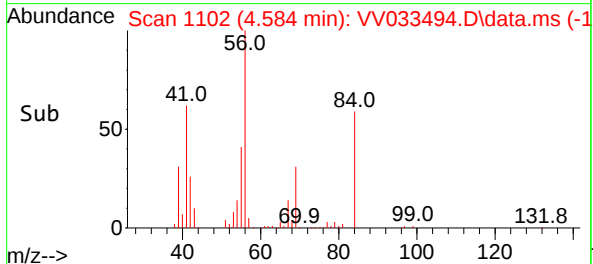
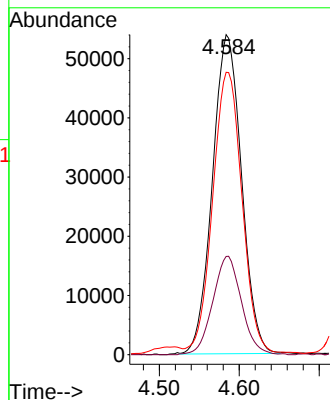
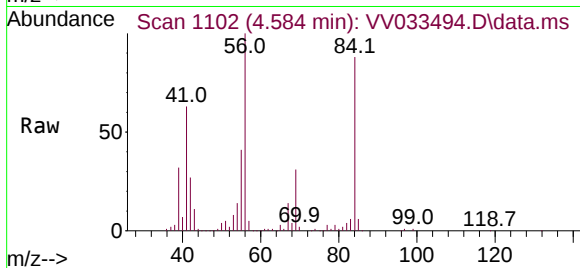
Tgt Ion: 56 Resp: 136139

Ion Ratio Lower Upper

56 100

69 30.3 25.8 38.6

84 88.2 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 48.371 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

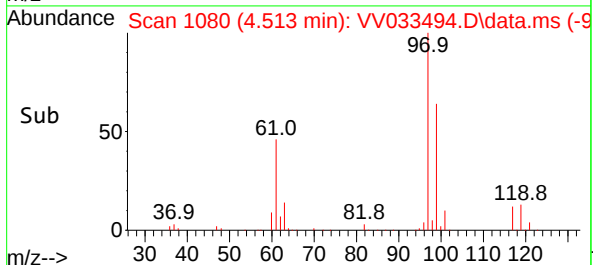
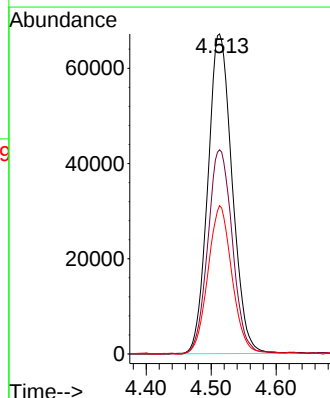
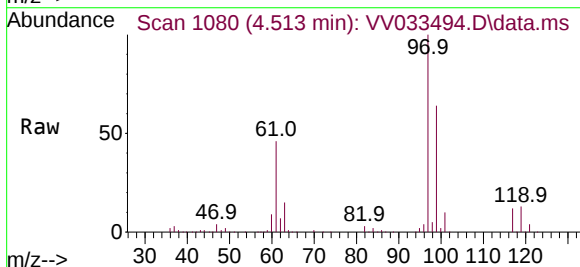
Tgt Ion: 97 Resp: 174403

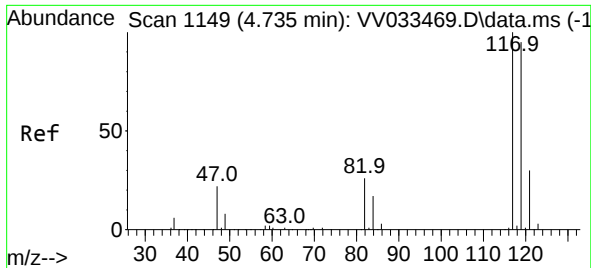
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 45.9 34.8 52.2

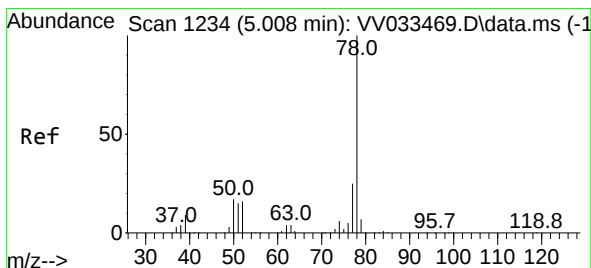
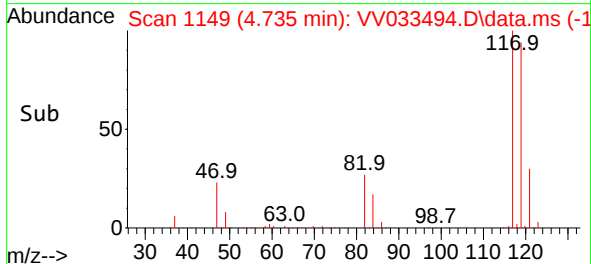
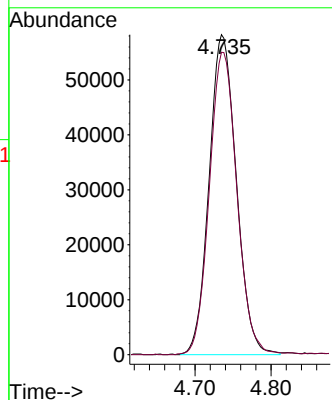
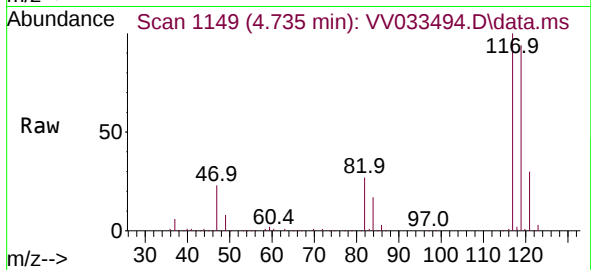




#31
Carbon tetrachloride
Concen: 44.884 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

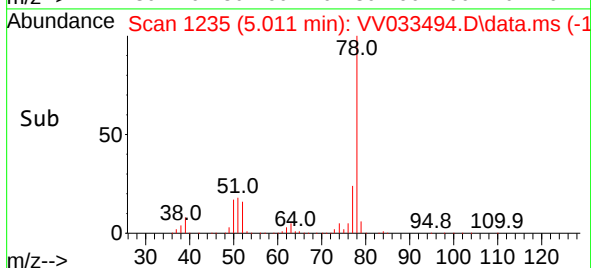
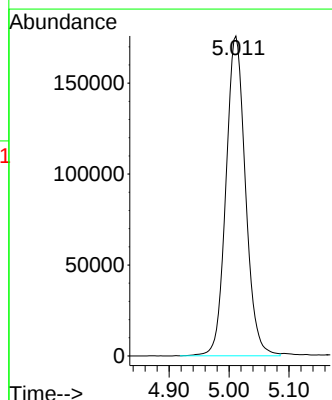
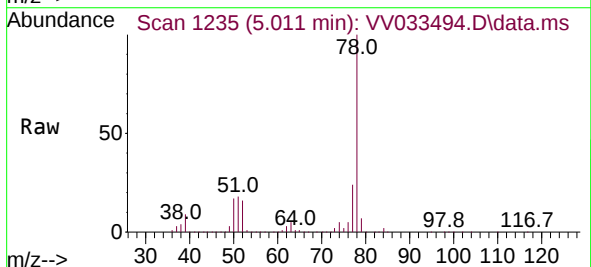
Instrument :
MSVOA_V
ClientSampleId :

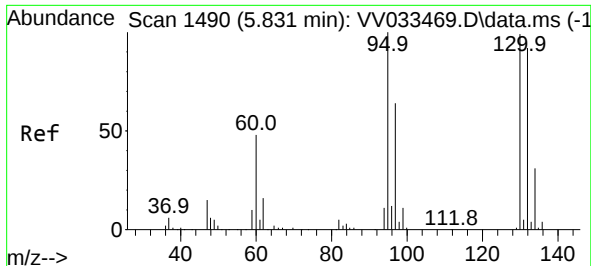
Tgt Ion:117 Resp: 144827
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.6



#33
Benzene
Concen: 51.037 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 78 Resp: 397245

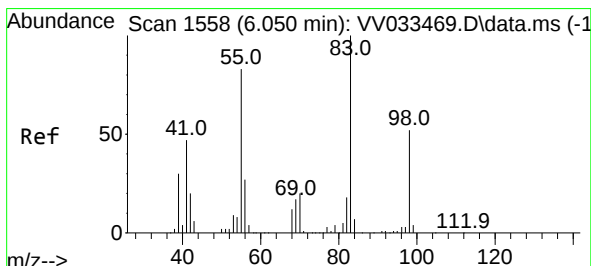
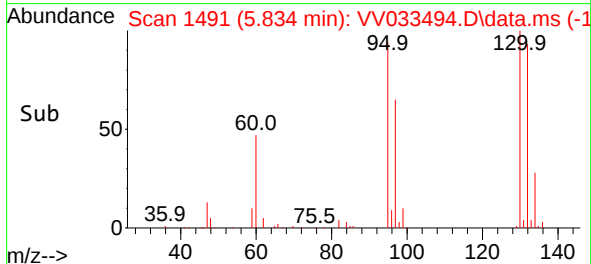
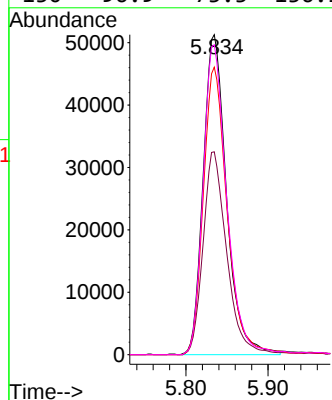
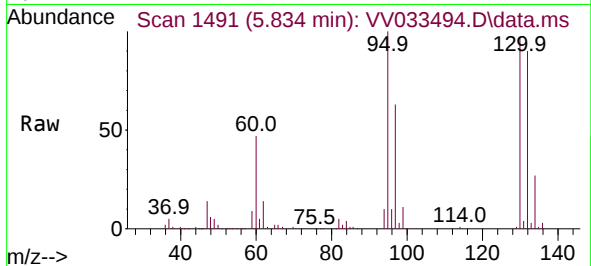




#34
Trichloroethene
Concen: 47.496 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

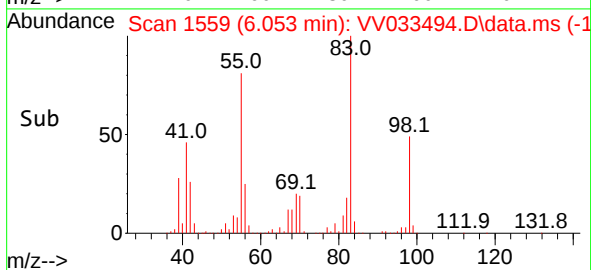
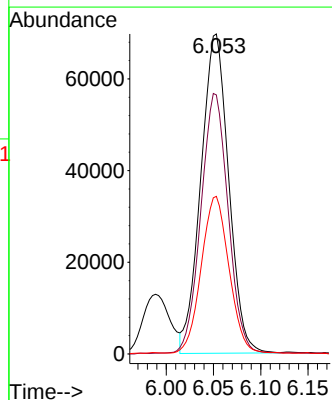
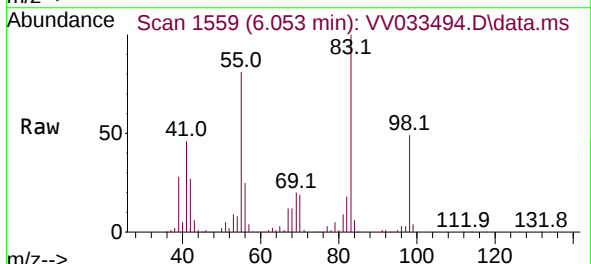
Instrument :
MSVOA_V
ClientSampleId :

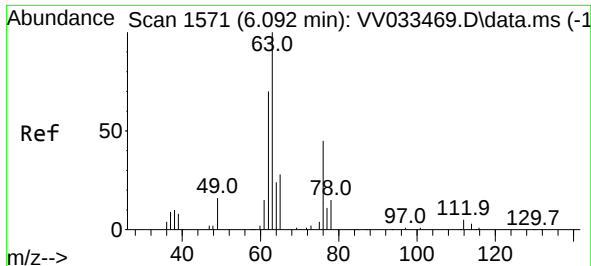
Tgt Ion: 95 Resp: 101422
Ion Ratio Lower Upper
95 100
97 63.4 44.8 83.2
132 89.9 69.9 129.7
130 96.9 73.3 136.1



#35
Methylcyclohexane
Concen: 46.614 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 83 Resp: 142767
Ion Ratio Lower Upper
83 100
55 80.2 58.6 88.0
98 48.9 40.9 61.3





#37

1,2-Dichloropropane

Concen: 51.372 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

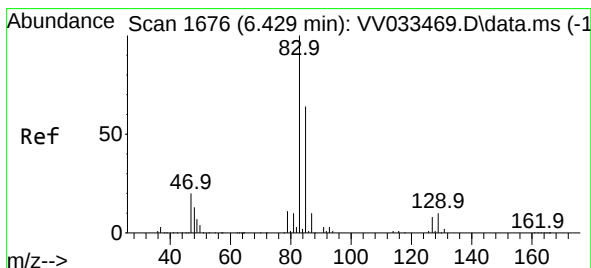
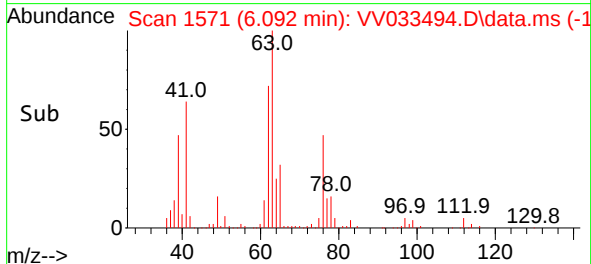
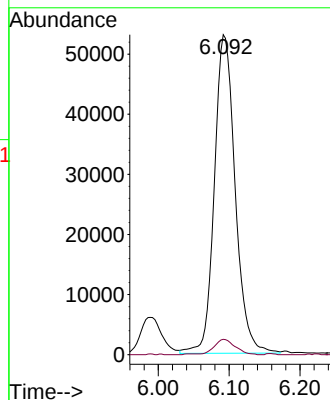
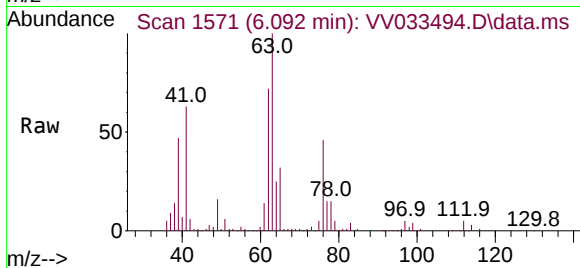
ClientSampleId :

Tgt Ion: 63 Resp: 108439

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 48.093 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

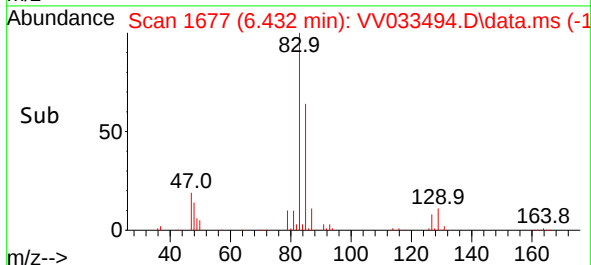
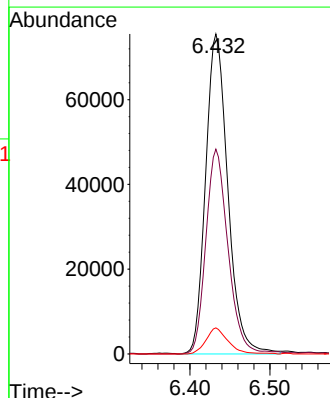
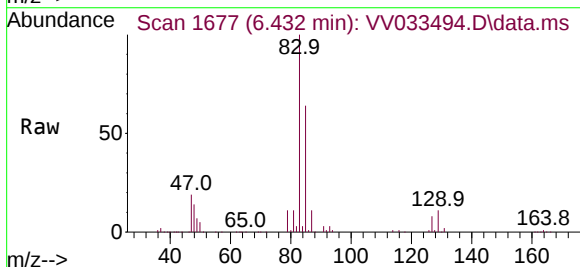
Tgt Ion: 83 Resp: 146110

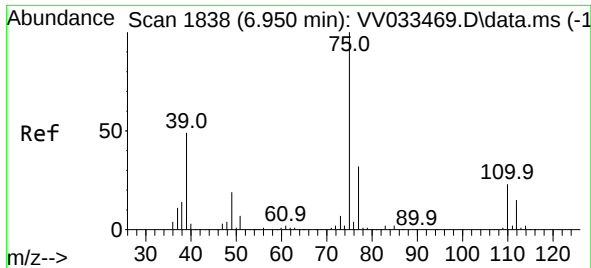
Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

127 8.9 6.8 10.2

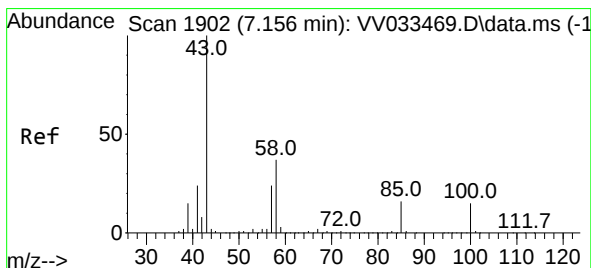
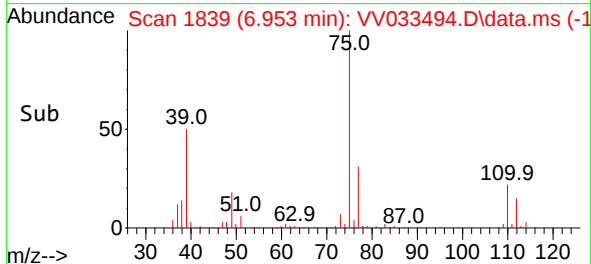
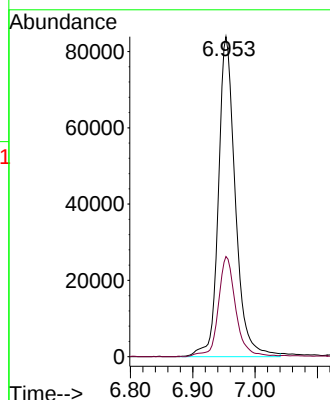
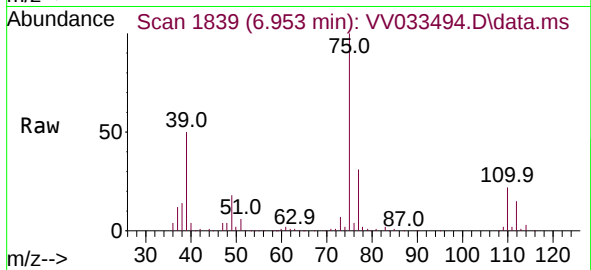




#39
 cis-1,3-Dichloropropene
 Concen: 51.478 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

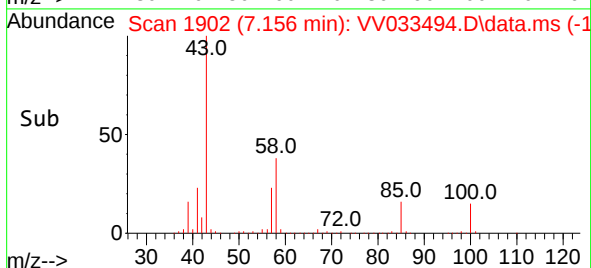
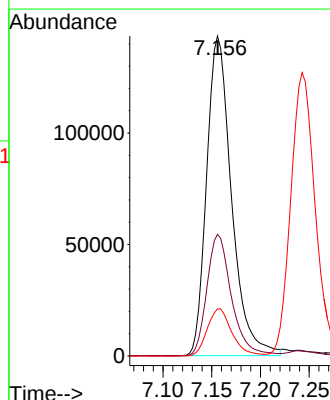
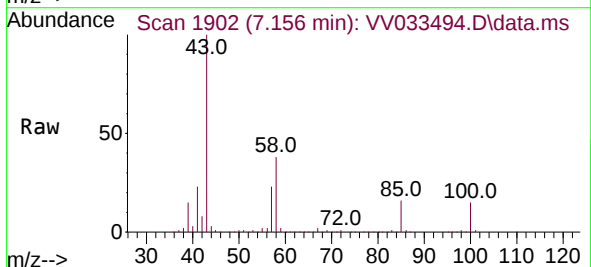
Instrument :
 MSVOA_V
 ClientSampleId :

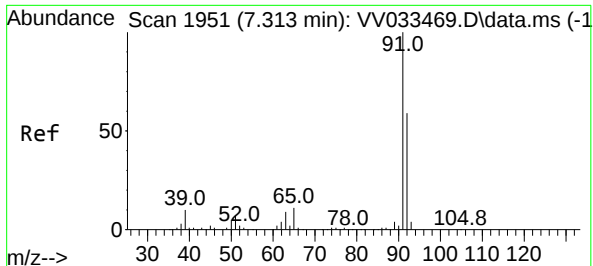
Tgt Ion: 75 Resp: 158081
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 113.152 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. -0.000 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

Tgt Ion: 43 Resp: 254888
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.7 46.1
 100 14.6 13.6 20.4





#42

Toluene

Concen: 50.771 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

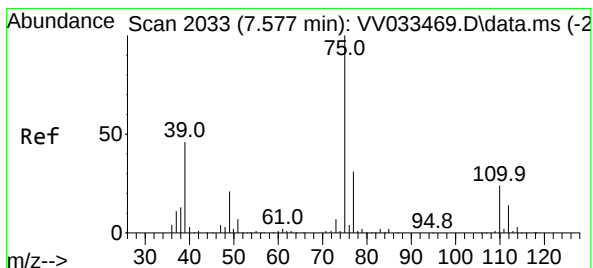
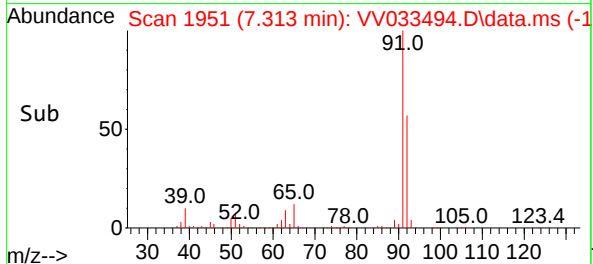
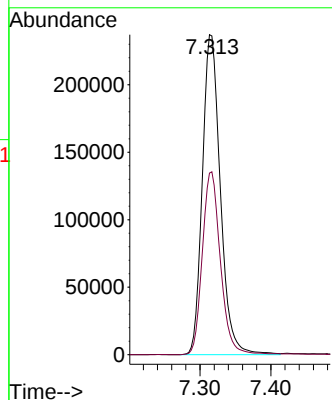
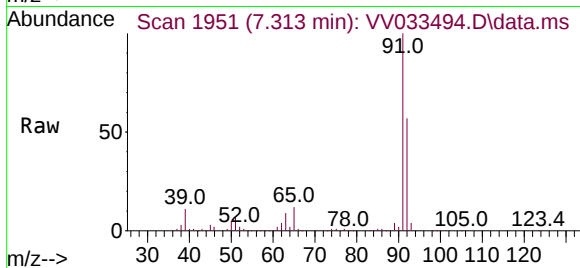
ClientSampleId :

Tgt Ion: 91 Resp: 418850

Ion Ratio Lower Upper

91 100

92 56.8 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.021 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033494.D

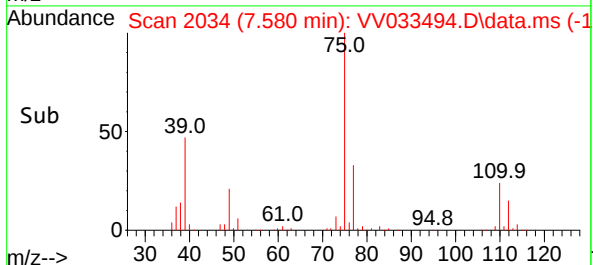
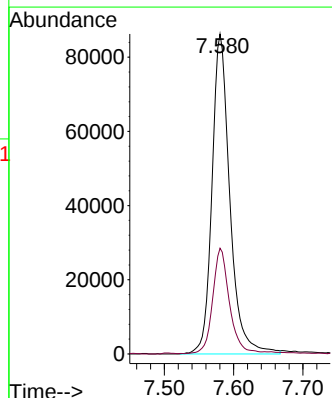
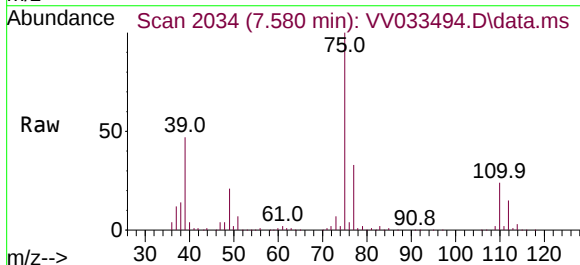
Acq: 19 Dec 2023 21:32

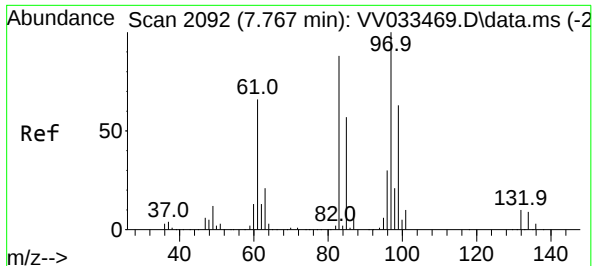
Tgt Ion: 75 Resp: 154140

Ion Ratio Lower Upper

75 100

77 33.0 22.4 41.6

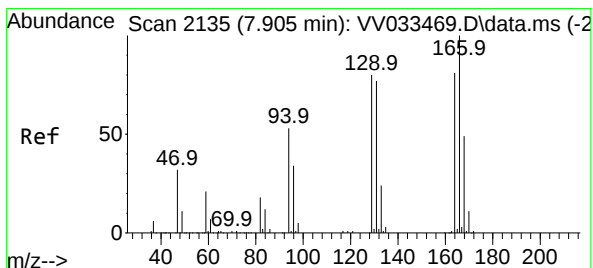
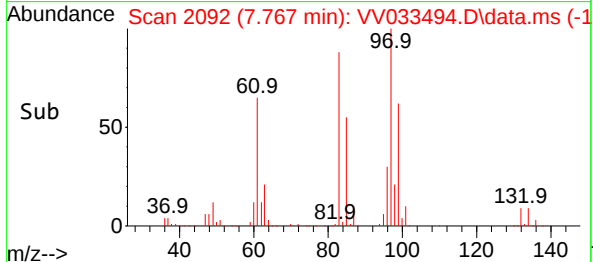
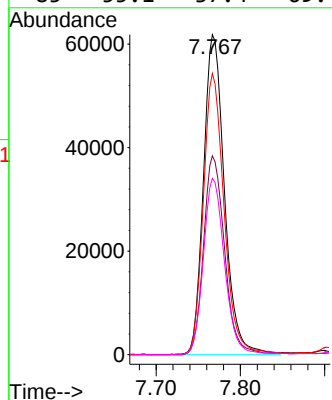
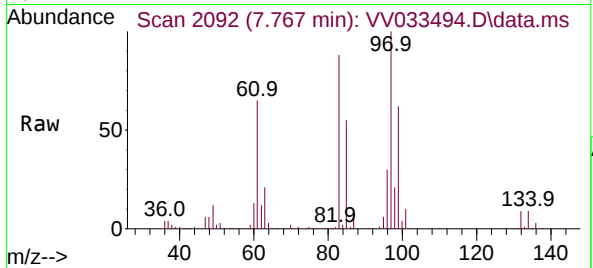




#45
1,1,2-Trichloroethane
Concen: 48.796 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

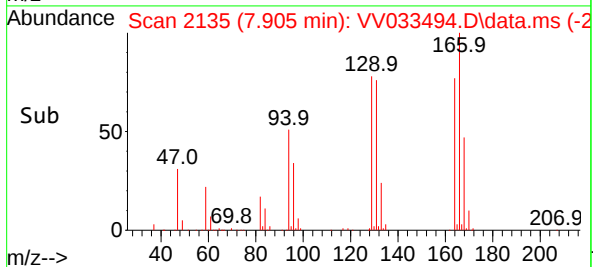
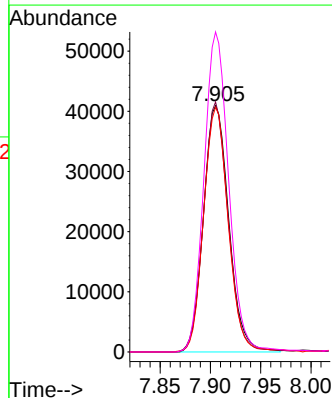
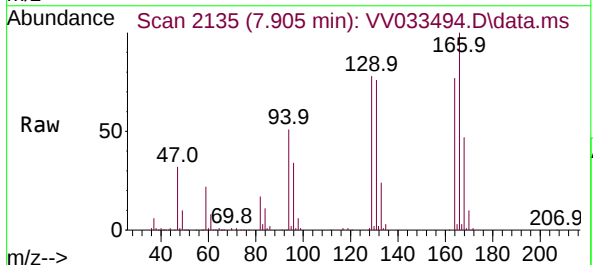
Instrument :
MSVOA_V
ClientSampleId :

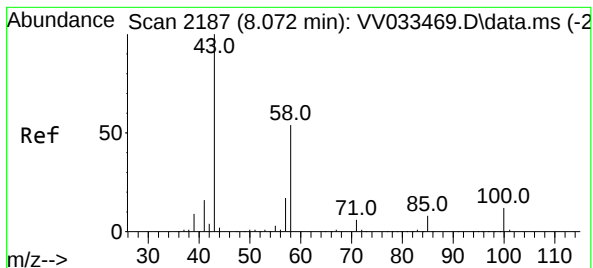
Tgt Ion:	97	Resp:	107358
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.7
83	87.9	61.0	113.4
85	55.1	37.4	69.4



#46
Tetrachloroethene
Concen: 42.987 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion:	164	Resp:	71726
Ion	Ratio	Lower	Upper
164	100		
129	101.5	68.9	127.9
131	99.4	65.3	121.3
166	129.9	86.9	161.3





#48

2-Hexanone

Concen: 101.077 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 189904

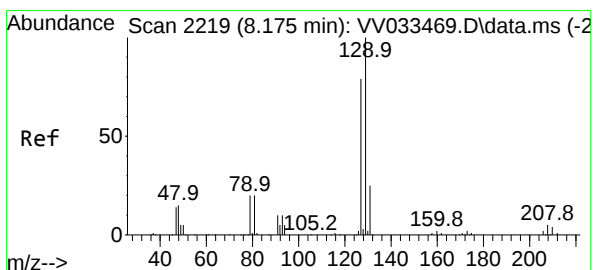
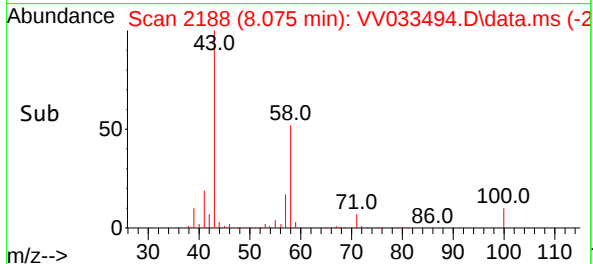
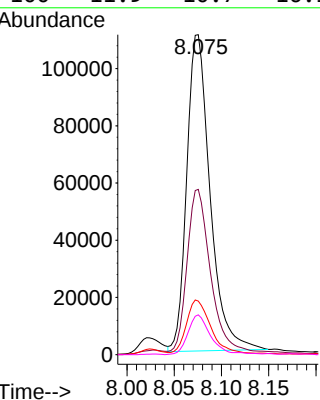
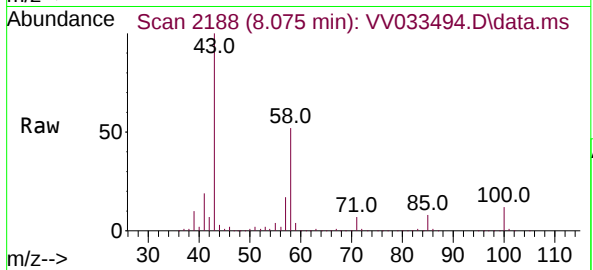
Ion Ratio Lower Upper

43 100

58 54.1 43.0 64.6

57 17.4 14.7 22.1

100 11.9 10.7 16.1



#49

Dibromochloromethane

Concen: 46.360 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV033494.D

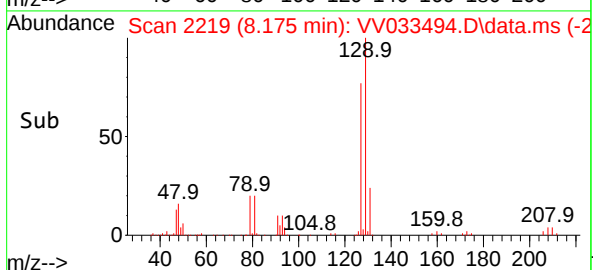
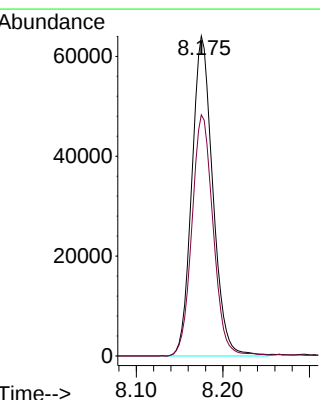
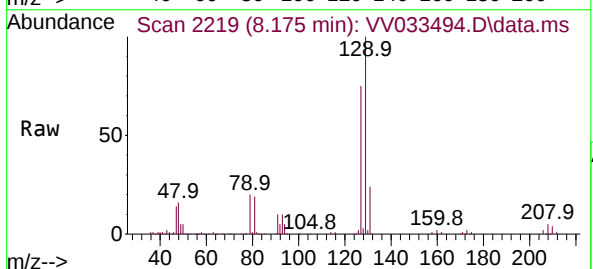
Acq: 19 Dec 2023 21:32

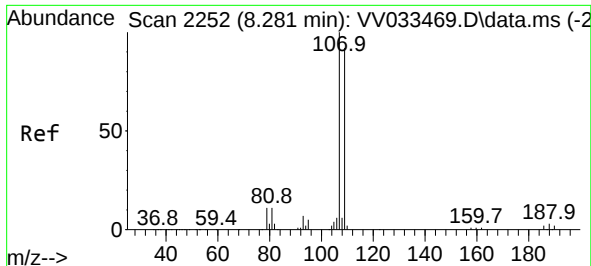
Tgt Ion:129 Resp: 107852

Ion Ratio Lower Upper

129 100

127 75.3 53.3 98.9





#50

1,2-Dibromoethane

Concen: 47.094 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

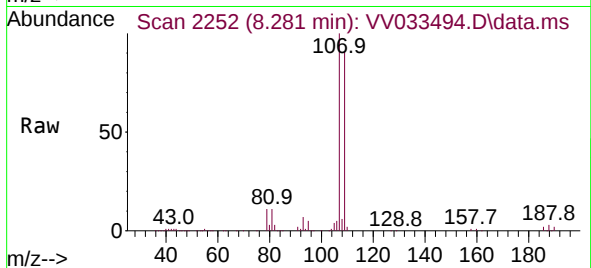
Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

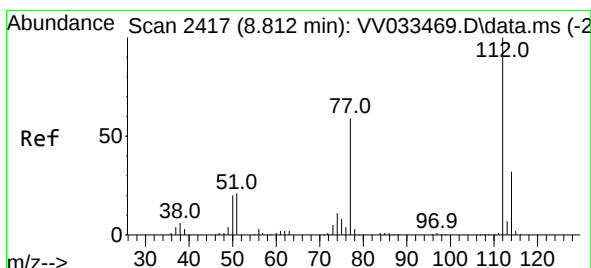
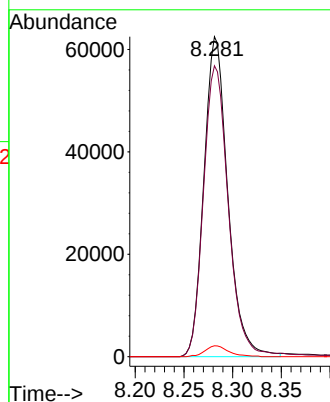
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	106805
Ion	Ratio	Lower	Upper
107	100		
109	90.9	64.2	119.2
188	3.6	2.9	4.3



#51

Chlorobenzene

Concen: 46.446 ug/L

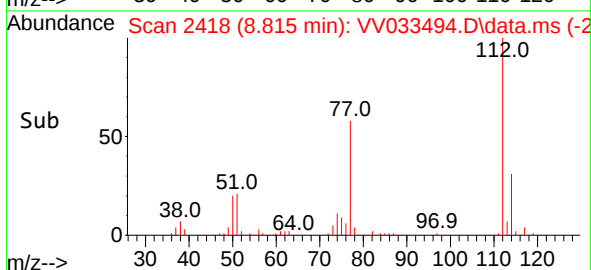
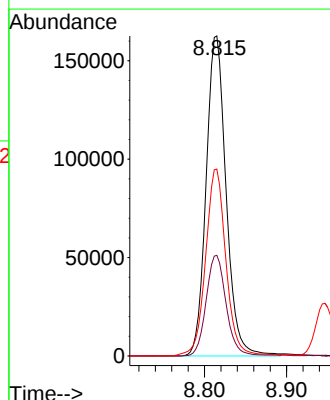
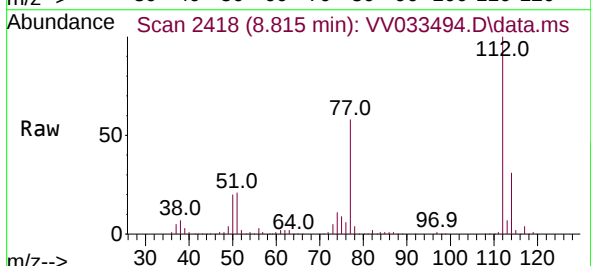
RT: 8.815 min Scan# 2418

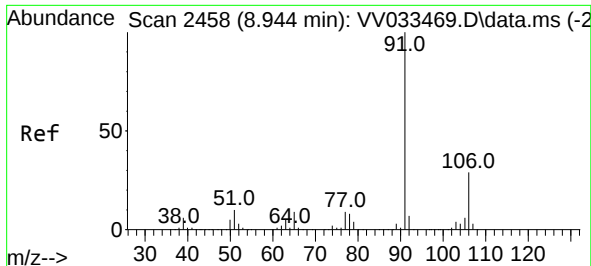
Delta R.T. 0.003 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Tgt Ion:	112	Resp:	276137
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.7
77	58.4	45.2	67.8

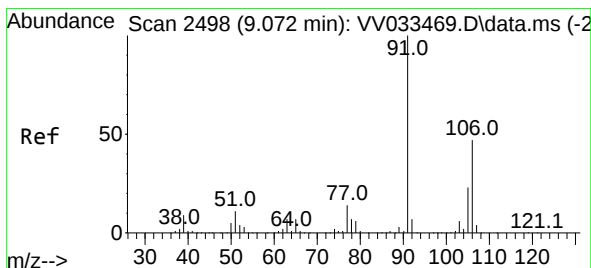
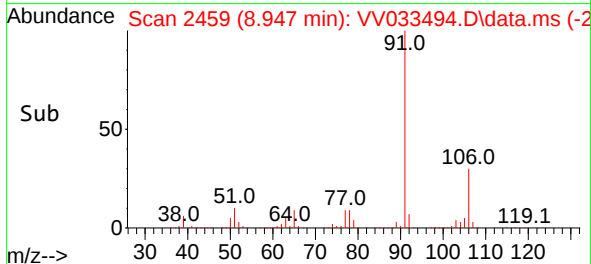
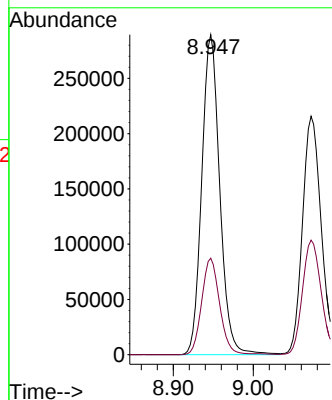
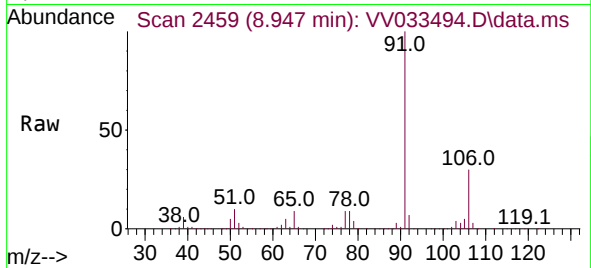




#52
Ethylbenzene
Concen: 49.463 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

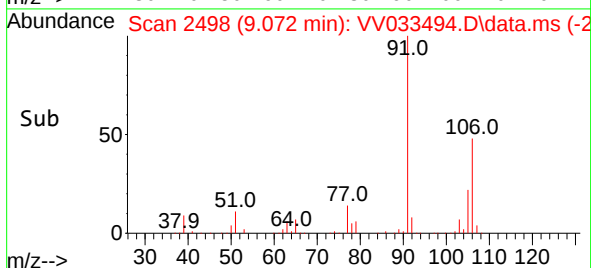
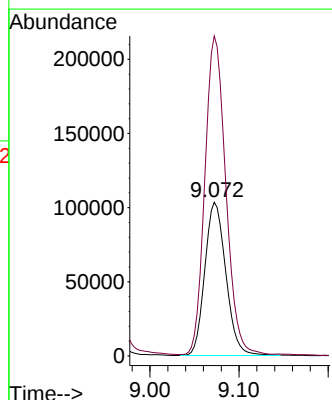
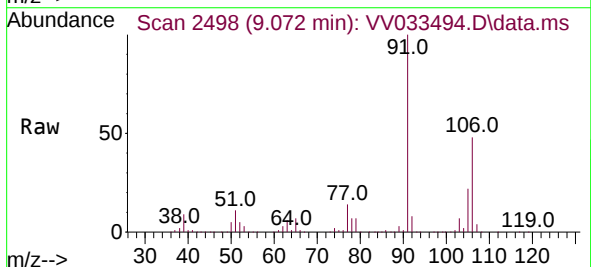
Instrument :
MSVOA_V
ClientSampleId :

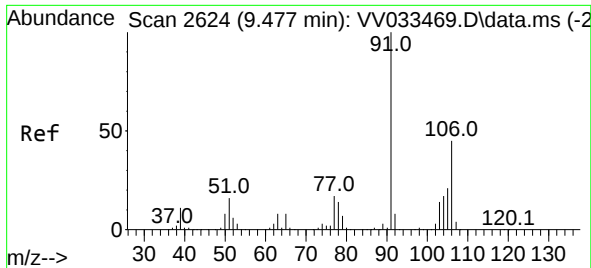
Tgt Ion: 91 Resp: 454441
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.2



#53
m,p-Xylene
Concen: 49.063 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion: 106 Resp: 169358
Ion Ratio Lower Upper
106 100
91 208.2 143.0 265.6

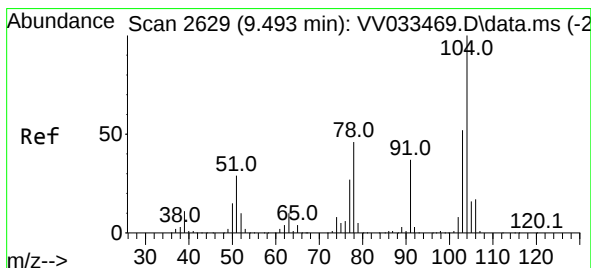
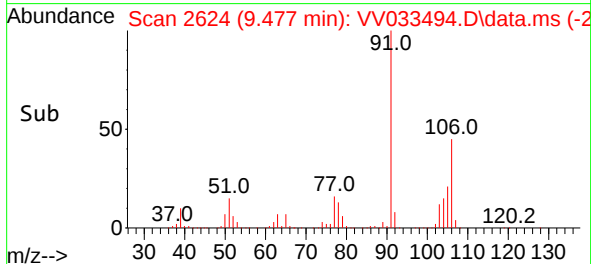
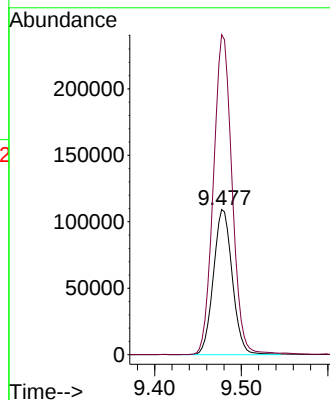
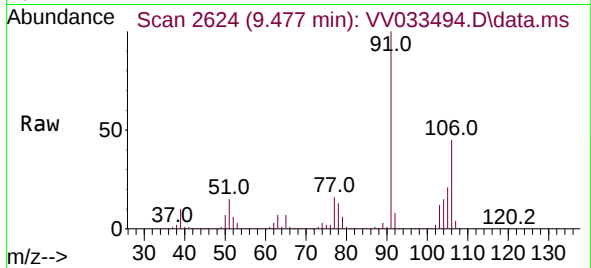




#54
o-Xylene
Concen: 49.356 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

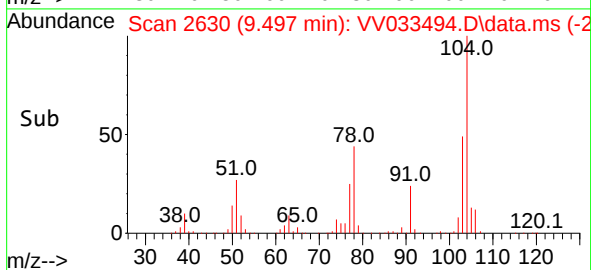
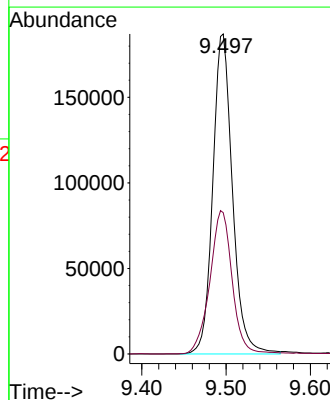
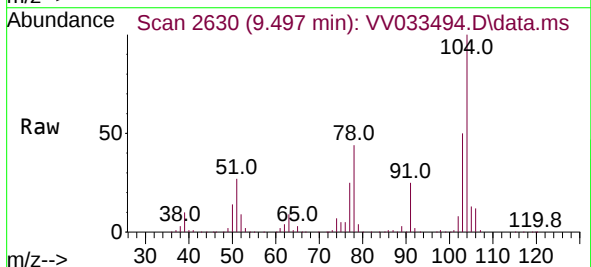
Instrument :
MSVOA_V
ClientSampleId :

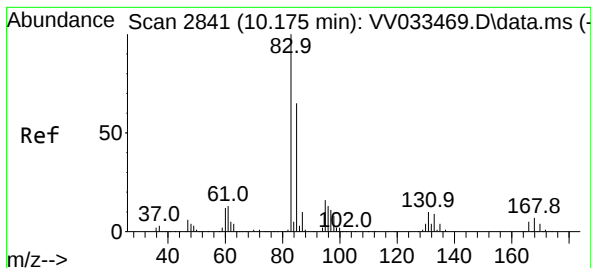
Tgt Ion:106 Resp: 165428
Ion Ratio Lower Upper
106 100
91 220.5 149.7 278.1



#55
Styrene
Concen: 51.247 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion:104 Resp: 303141
Ion Ratio Lower Upper
104 100
78 44.2 30.2 56.2

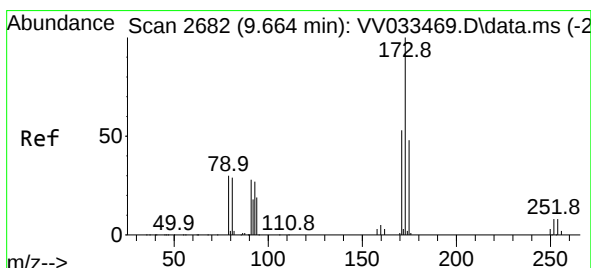
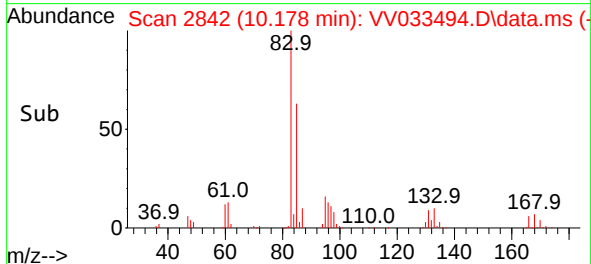
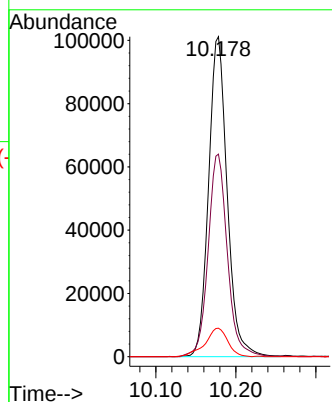
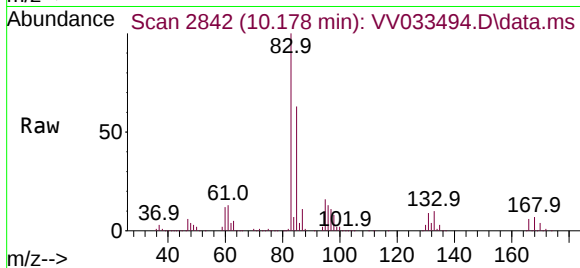




#57
1,1,2,2-Tetrachloroethane
Concen: 48.430 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

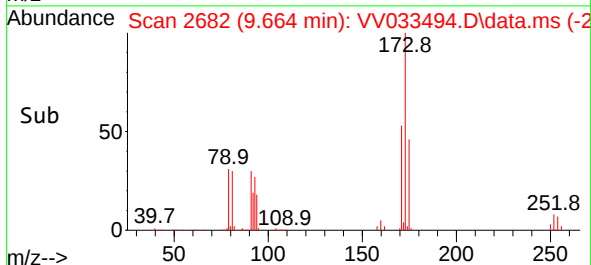
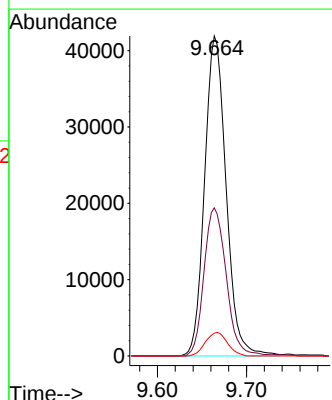
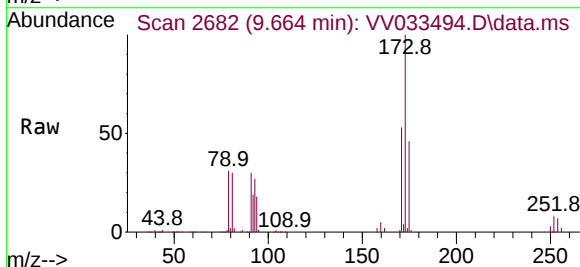
Instrument :
MSVOA_V
ClientSampleId :

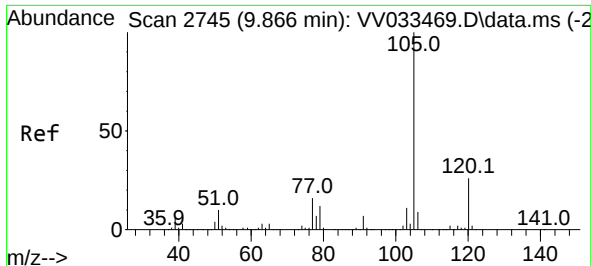
Tgt Ion: 83 Resp: 163645
Ion Ratio Lower Upper
83 100
85 63.3 44.8 83.2
131 8.9 8.6 12.8



#59
Bromoform
Concen: 43.894 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

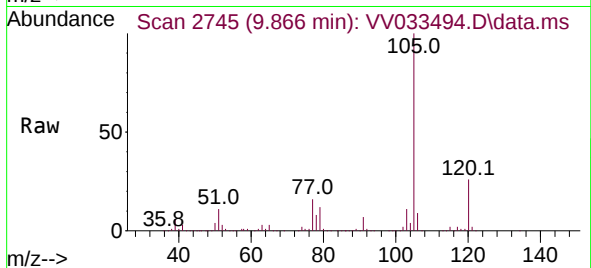
Tgt Ion: 173 Resp: 70165
Ion Ratio Lower Upper
173 100
175 47.8 38.8 58.2
254 7.6 5.8 8.8



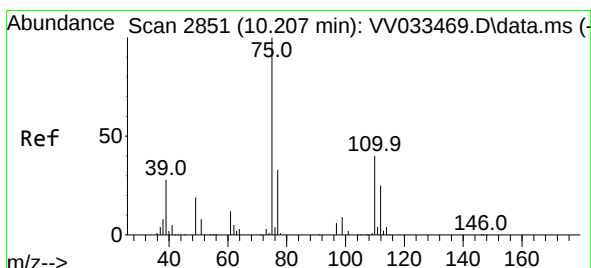
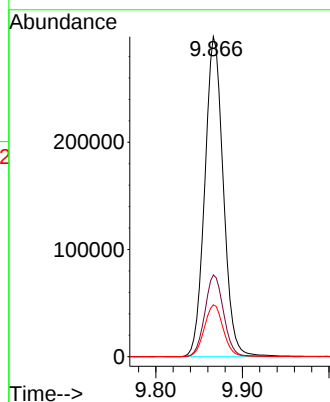
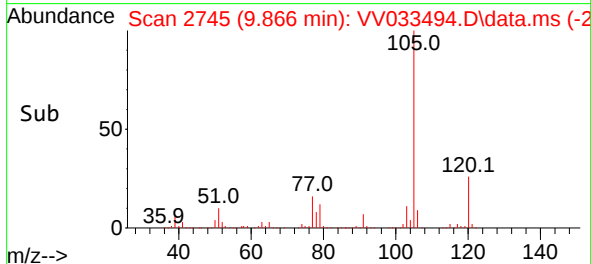


#60
Isopropylbenzene
Concen: 50.486 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

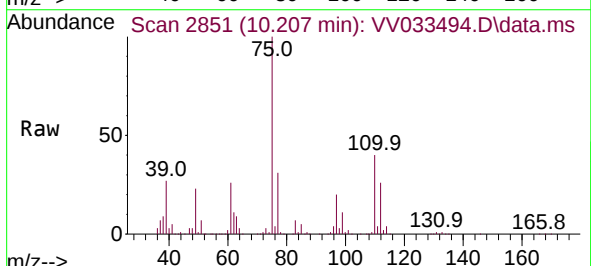
Instrument :
MSVOA_V
ClientSampleId :



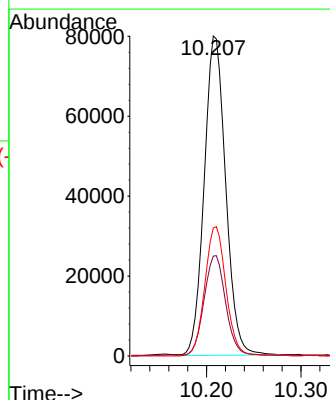
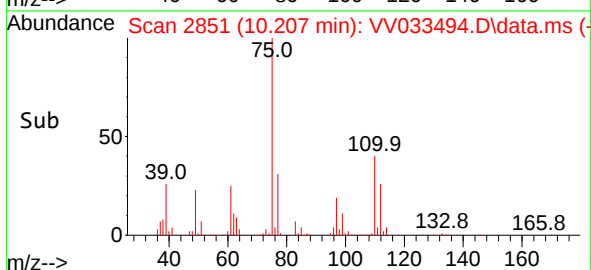
Tgt Ion:105 Resp: 444199
Ion Ratio Lower Upper
105 100
120 25.9 21.2 31.8
77 16.6 12.5 18.7

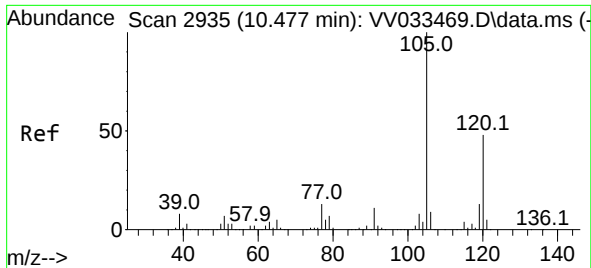


#61
1,2,3-Trichloropropane
Concen: 50.911 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32



Tgt Ion: 75 Resp: 126432
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
110 39.9 33.9 50.9

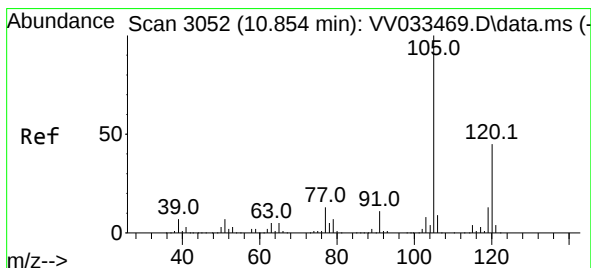
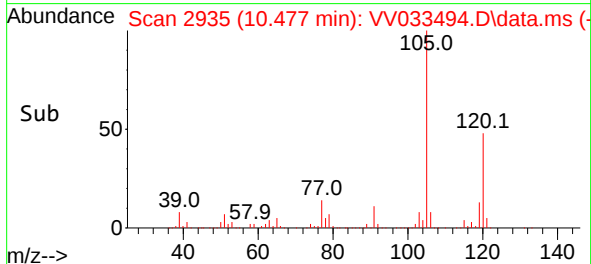
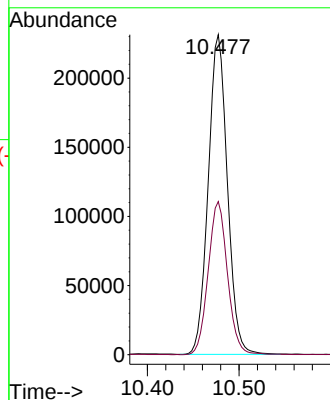
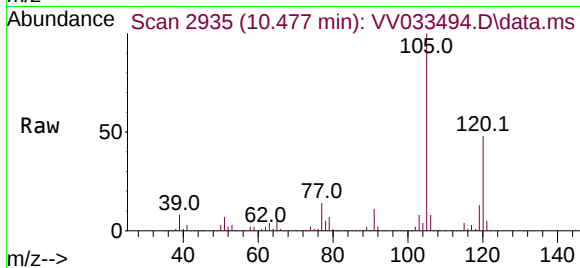




#62
 1,3,5-Trimethylbenzene
 Concen: 50.267 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

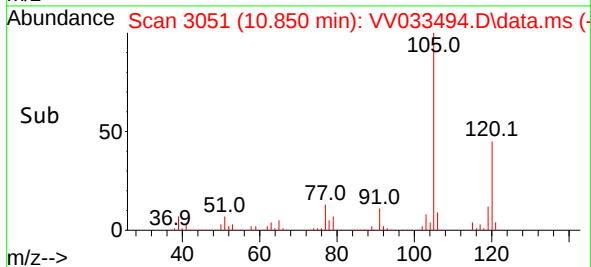
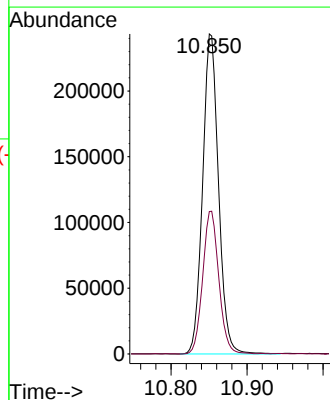
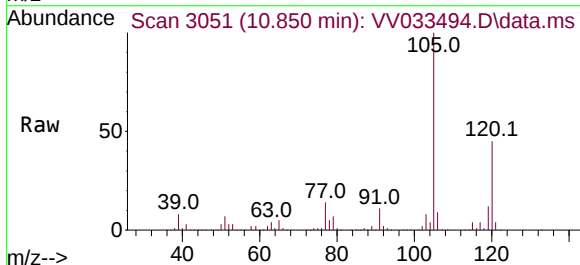
Instrument :
 MSVOA_V
 ClientSampleId :

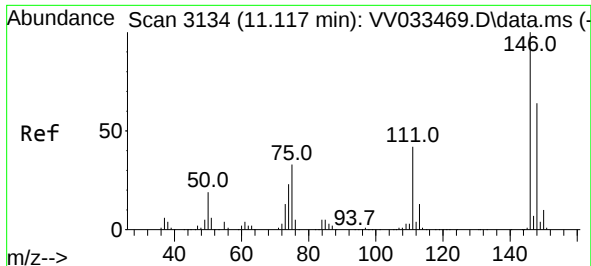
Tgt Ion:105 Resp: 335200
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 50.997 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.003 min
 Lab File: VV033494.D
 Acq: 19 Dec 2023 21:32

Tgt Ion:105 Resp: 353186
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.4

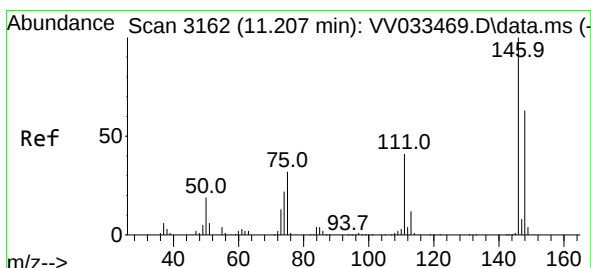
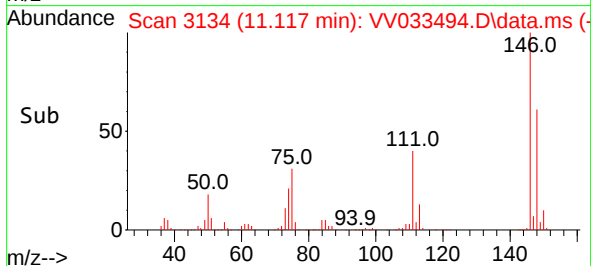
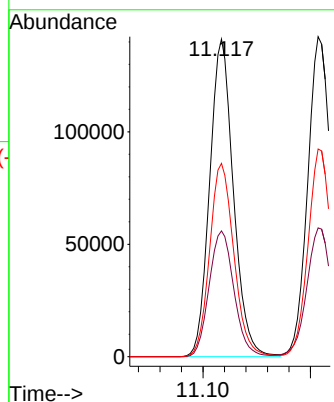
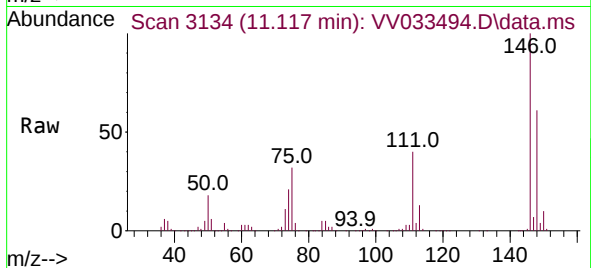




#64
1,3-Dichlorobenzene
Concen: 47.379 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

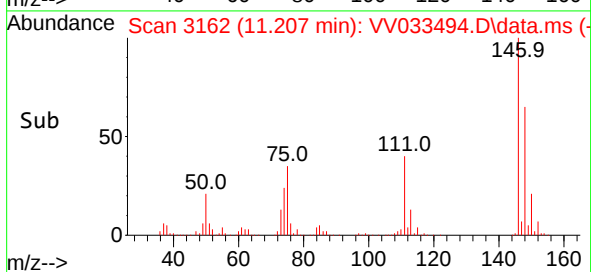
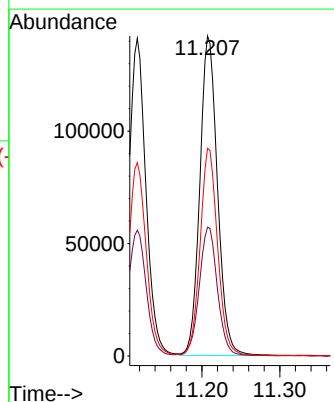
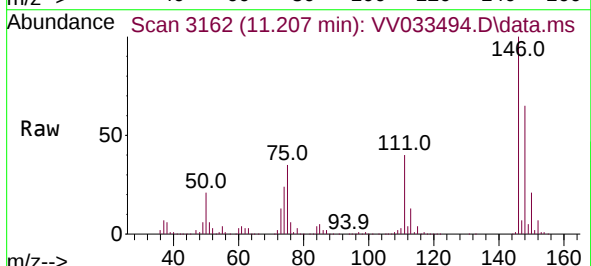
Instrument :
MSVOA_V
ClientSampleId :

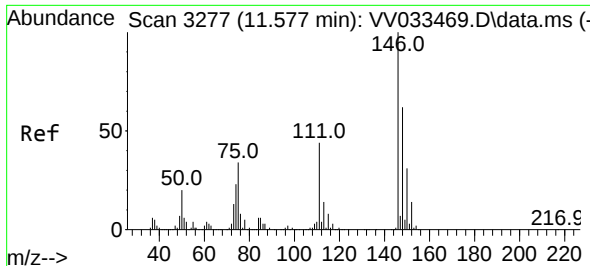
Tgt Ion:146 Resp: 216660
Ion Ratio Lower Upper
146 100
111 39.6 29.3 54.5
148 60.8 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 45.401 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

Tgt Ion:146 Resp: 223447
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 64.9 45.5 84.5

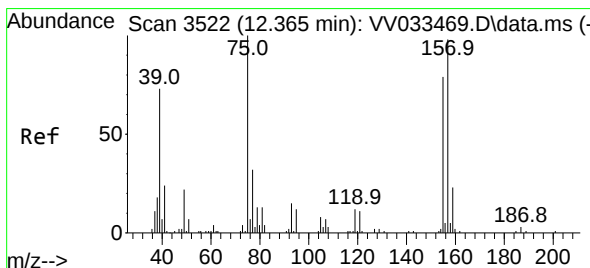
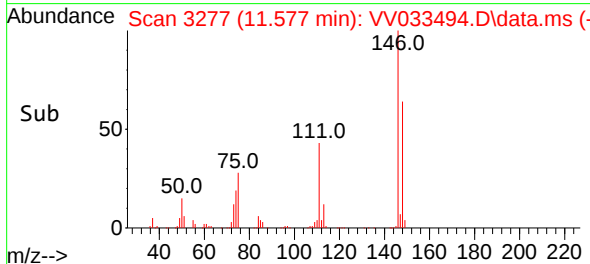
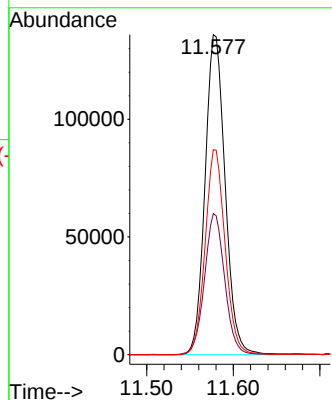
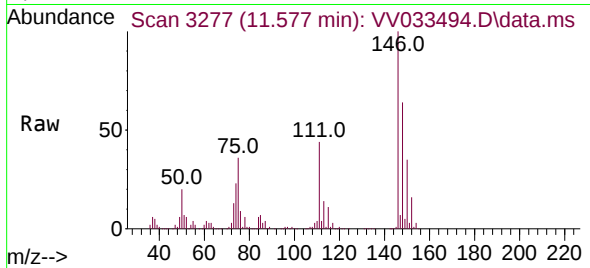




#67
1,2-Dichlorobenzene
Concen: 46.017 ug/L
RT: 11.577 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

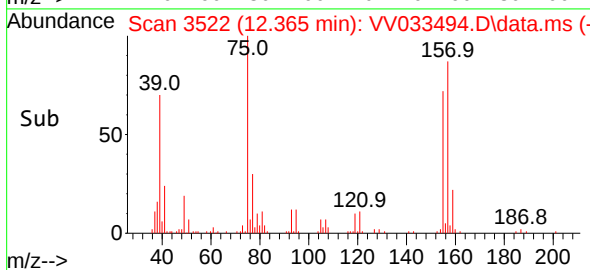
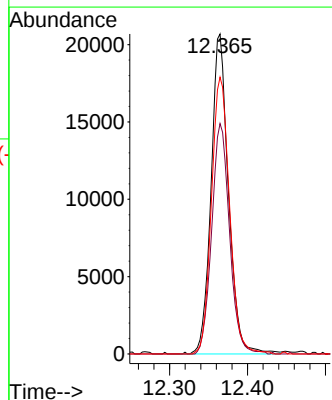
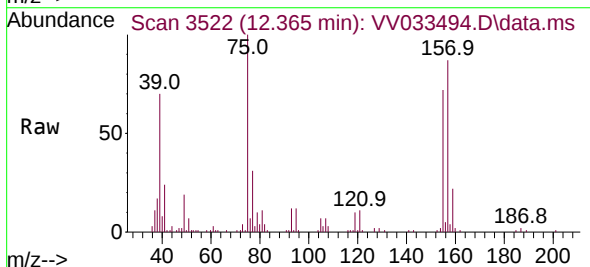
Instrument :
MSVOA_V
ClientSampleId :

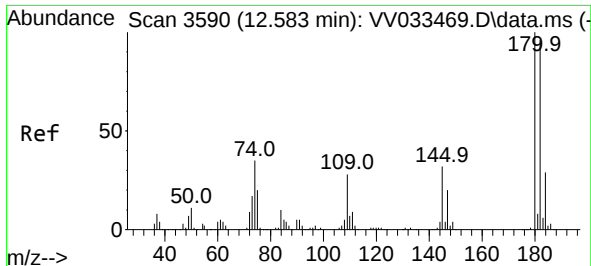
Tgt Ion:146 Resp: 219024
Ion Ratio Lower Upper
146 100
111 44.1 33.5 50.3
148 64.0 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 47.655 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

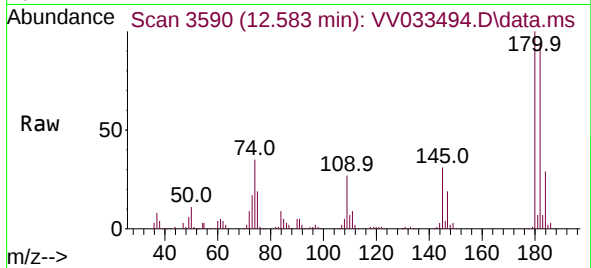
Tgt Ion: 75 Resp: 32058
Ion Ratio Lower Upper
75 100
155 72.0 69.4 104.0
157 86.5 81.1 121.7



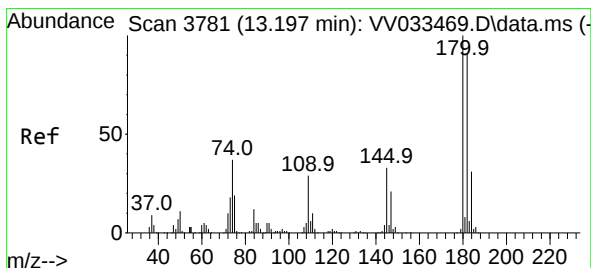
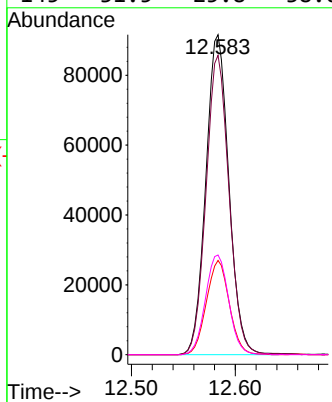
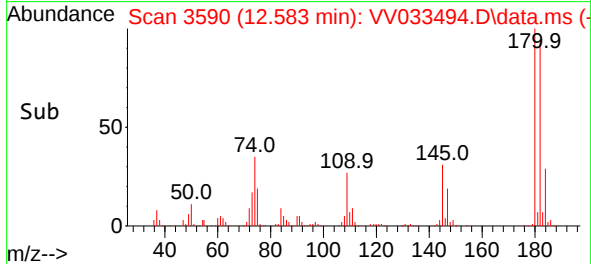


#69
1,3,5-Trichlorobenzene
Concen: 44.493 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32

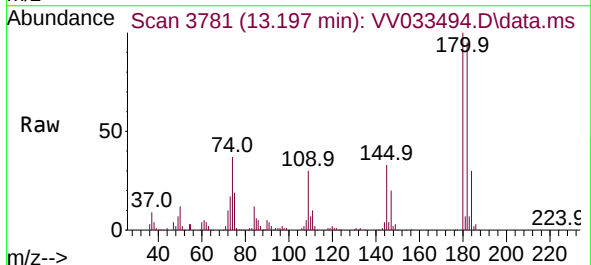
Instrument :
MSVOA_V
ClientSampleId :



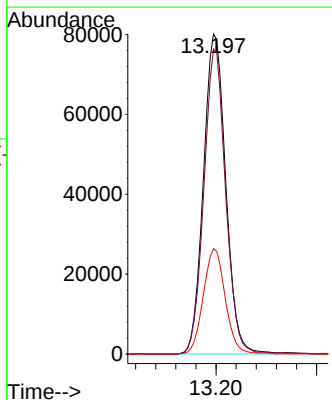
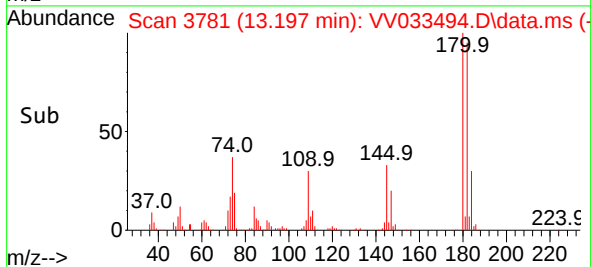
Tgt Ion:180 Resp: 140708
Ion Ratio Lower Upper
180 100
182 93.3 76.2 114.4
184 29.4 24.4 36.6
145 31.5 25.8 38.6

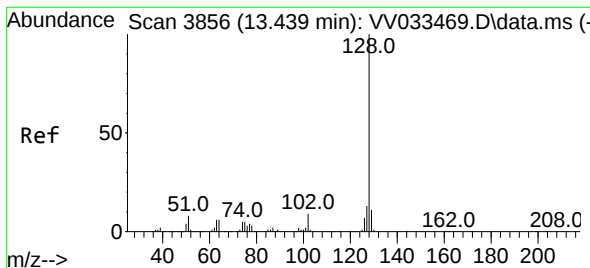


#70
1,2,4-trichlorobenzene
Concen: 44.642 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.000 min
Lab File: VV033494.D
Acq: 19 Dec 2023 21:32



Tgt Ion:180 Resp: 123410
Ion Ratio Lower Upper
180 100
182 92.6 76.1 114.1
145 32.2 25.6 38.4





#71

Naphthalene

Concen: 45.786 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

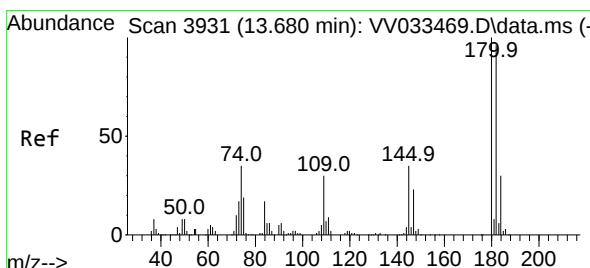
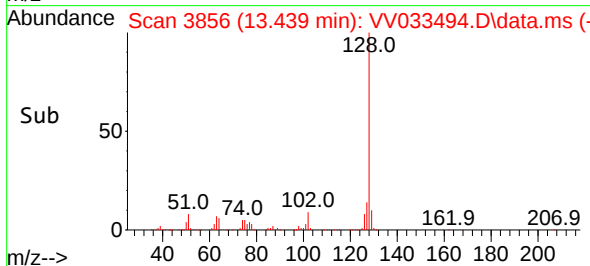
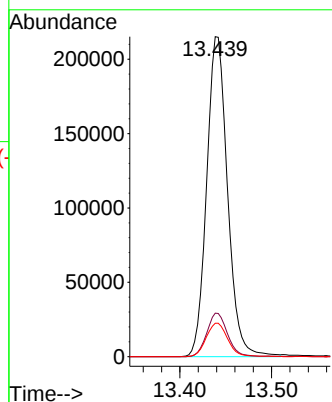
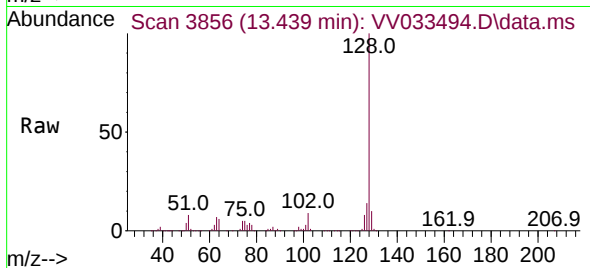
Tgt Ion:128 Resp: 340553

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.281 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033494.D

Acq: 19 Dec 2023 21:32

Tgt Ion:180 Resp: 127848

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

145 35.1 27.1 40.7

