

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033495.D
 Acq On : 19 Dec 2023 21:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 00:31:28 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	5.532	114	298777	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	302317	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	162259	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	116010	50.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.840%
7) Chloroethane-d5	1.532	69	96448	46.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.420%
11) 1,1-Dichloroethene-d2	2.060	65	49820	43.497	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.000%
21) 2-Butanone-d5	3.783	46	114874	99.063	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.060%
24) Chloroform-d	4.249	84	205087	45.061	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
26) 1,2-Dichloroethane-d4	4.941	65	129651	46.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.740%
32) Benzene-d6	4.960	84	389095	47.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
36) 1,2-Dichloropropane-d6	5.989	67	119058	48.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.360%
41) Toluene-d8	7.243	98	350466	47.040	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.080%
43) trans-1,3-Dichloroprop...	7.551	79	55429	45.767	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.540%
47) 2-Hexanone-d5	8.024	63	78510	94.456	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.460%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	159440	44.890	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.780%
66) 1,2-Dichlorobenzene-d4	11.561	152	135170	44.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	106810	43.513	ug/L	98
3) Chloromethane	1.214	50	112199	49.649	ug/L	100
5) Vinyl chloride	1.285	62	117280	48.410	ug/L	98
6) Bromomethane	1.484	94	76286	43.990	ug/L	100
8) Chloroethane	1.548	64	80214	49.045	ug/L	98
9) Trichlorofluoromethane	1.716	101	181900	42.819	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	106233	42.864	ug/L	97
12) 1,1-Dichloroethene	2.073	96	93950	44.622	ug/L	90
13) Acetone	2.108	43	110428	82.039	ug/L	98
14) Carbon disulfide	2.243	76	248727	46.229	ug/L	99
15) Methyl Acetate	2.372	43	107957	56.158	ug/L	95
16) Methylene chloride	2.446	84	113385	48.219	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	94667	47.569	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	307417	50.868	ug/L	99
19) 1,1-Dichloroethane	3.111	63	197151	51.689	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106769	47.319	ug/L	91
22) 2-Butanone	3.864	43	136511	102.939	ug/L	96
23) Bromochloromethane	4.146	128	56663	45.815	ug/L	90
25) Chloroform	4.275	83	207382	48.314	ug/L	96

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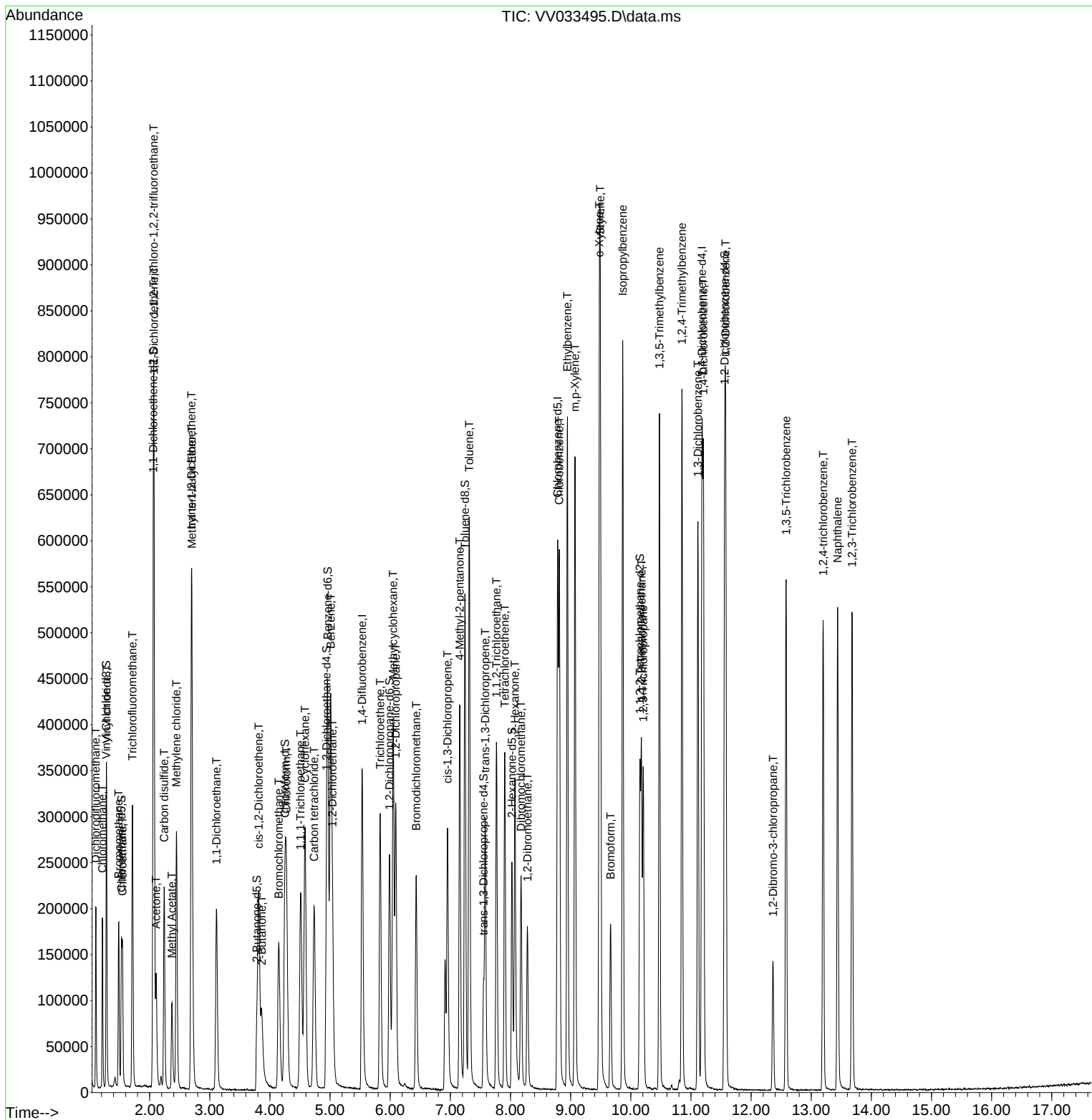
Instrument :
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 ClientSampleId :

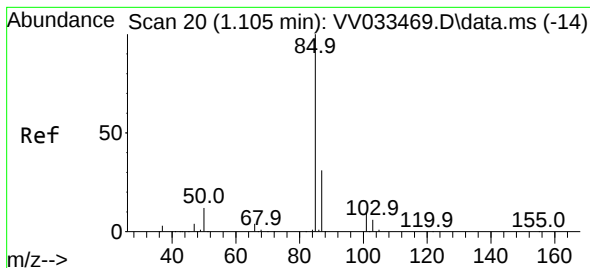
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 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	163182	49.320	ug/L	97
29) Cyclohexane	4.584	56	147164	54.010	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	175683	47.067	ug/L	99
31) Carbon tetrachloride	4.735	117	150952	45.189	ug/L	98
33) Benzene	5.011	78	420409	52.174	ug/L	100
34) Trichloroethene	5.834	95	105985	47.943	ug/L	96
35) Methylcyclohexane	6.050	83	152962	48.242	ug/L	95
37) 1,2-Dichloropropane	6.092	63	114616	52.450	ug/L	99
38) Bromodichloromethane	6.433	83	152042	48.341	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	167297	52.624	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	276958	118.763	ug/L	97
42) Toluene	7.314	91	444946	52.098	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	161921	50.757	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	112629	49.449	ug/L	98
46) Tetrachloroethene	7.905	164	76829	44.478	ug/L	97
48) 2-Hexanone	8.072	43	215752	110.924	ug/L	98
49) Dibromochloromethane	8.175	129	112900	46.877	ug/L	98
50) 1,2-Dibromoethane	8.281	107	113435	48.314	ug/L	98
51) Chlorobenzene	8.812	112	291864	47.420	ug/L	96
52) Ethylbenzene	8.947	91	487622	51.267	ug/L	99
53) m,p-Xylene	9.072	106	183130	51.246	ug/L	99
54) o-Xylene	9.477	106	177571	51.175	ug/L	97
55) Styrene	9.493	104	326195	53.266	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	174803	49.971	ug/L	99
59) Bromoform	9.664	173	75020	44.814	ug/L	99
60) Isopropylbenzene	9.866	105	481367	52.242	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	134319	51.648	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	365825	52.385	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	386237	53.254	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	228411	47.696	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	240123	46.589	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	237820	47.712	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	34378	48.799	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	152172	45.947	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	134923	46.605	ug/L	99
71) Naphthalene	13.439	128	390134	50.086	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	139187	49.153	ug/L	98

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

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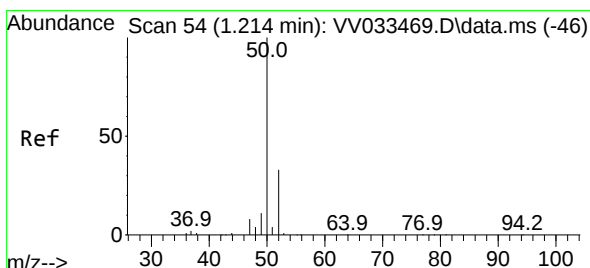
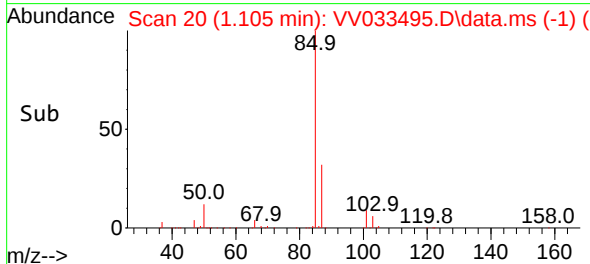
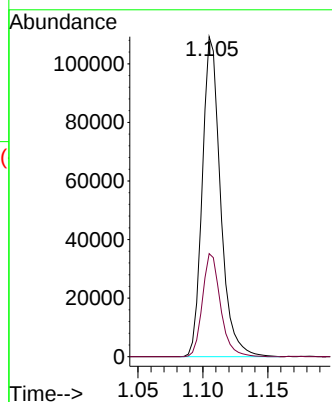
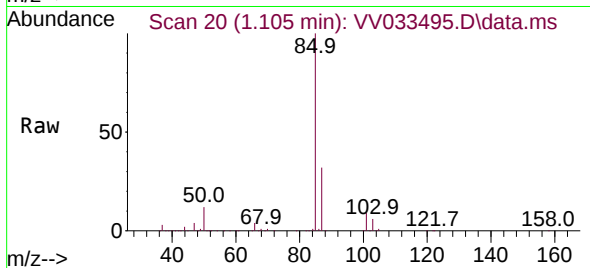




#2
 Dichlorodifluoromethane
 Concen: 43.513 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033495.D
 Acq: 19 Dec 2023 21:55

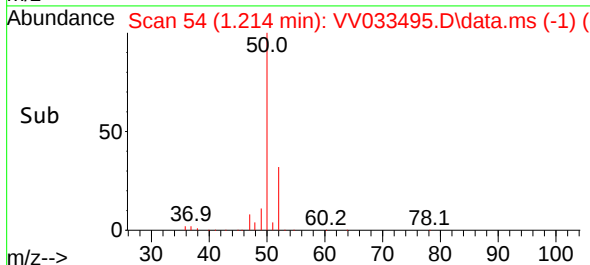
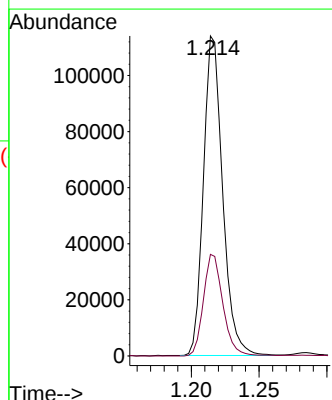
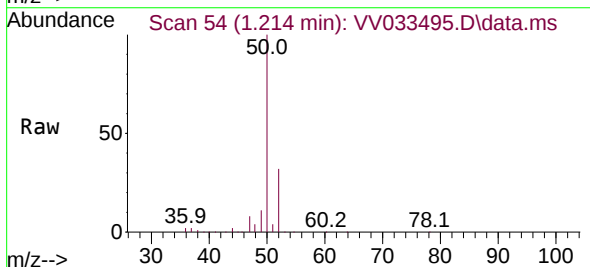
Instrument :
 MSVOA_V
 ClientSampleId :

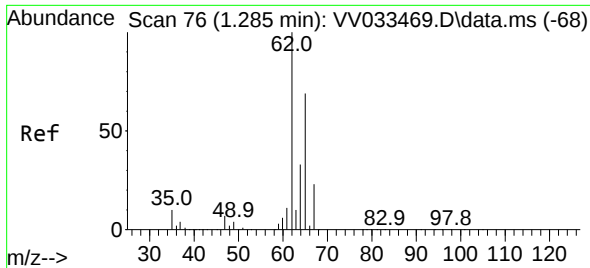
Tgt Ion: 85 Resp: 106810
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.6 39.8



#3
 Chloromethane
 Concen: 49.649 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033495.D
 Acq: 19 Dec 2023 21:55

Tgt Ion: 50 Resp: 112199
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.3 41.5

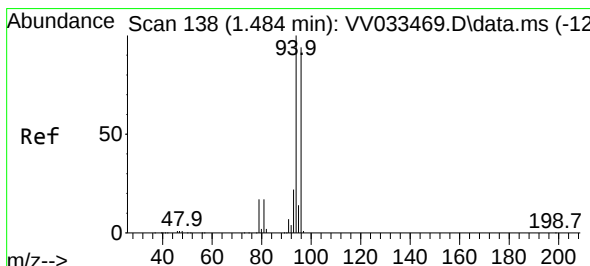
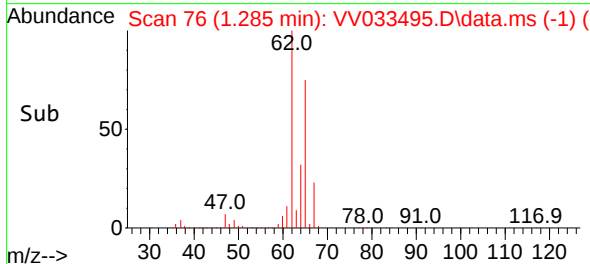
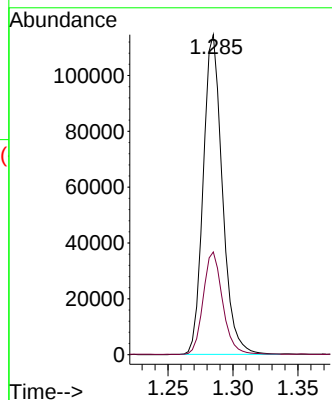
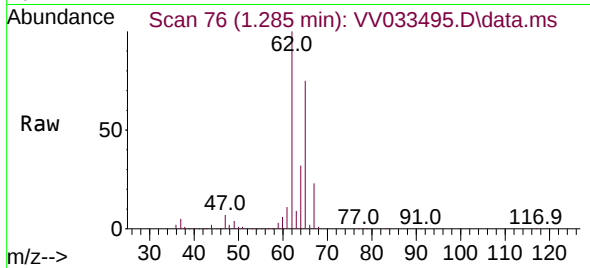




#5
 Vinyl chloride
 Concen: 48.410 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033495.D
 Acq: 19 Dec 2023 21:55

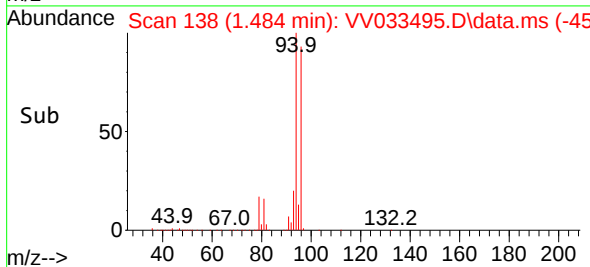
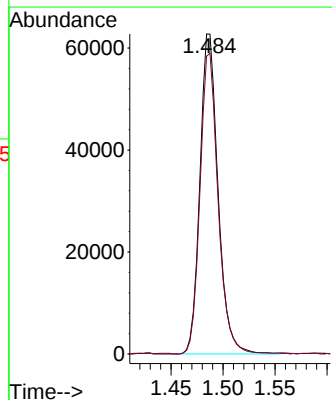
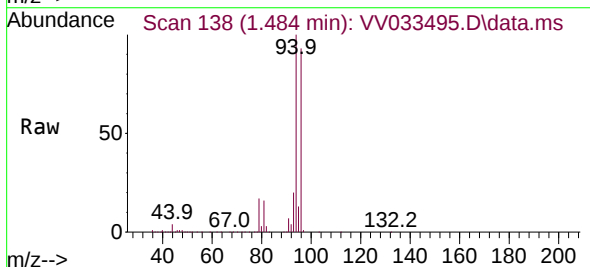
Instrument :
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 ClientSampleId :

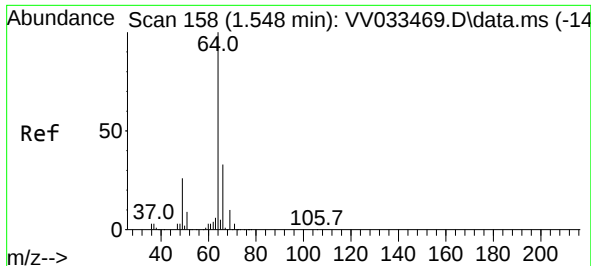
Tgt Ion: 62 Resp: 117280
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.4 43.6



#6
 Bromomethane
 Concen: 43.990 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033495.D
 Acq: 19 Dec 2023 21:55

Tgt Ion: 94 Resp: 76286
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.1 120.9

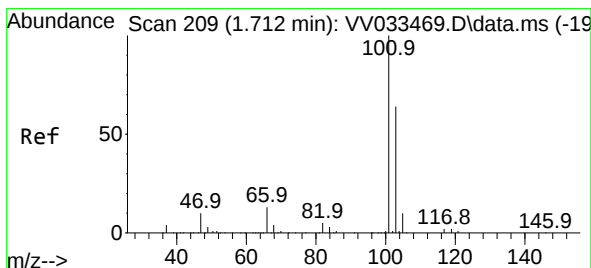
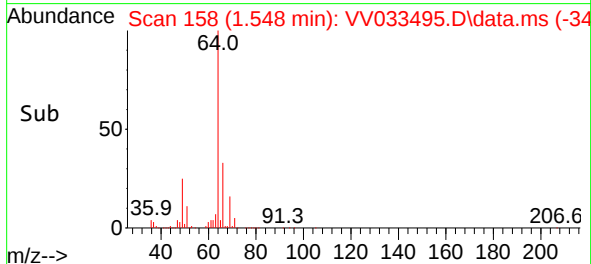
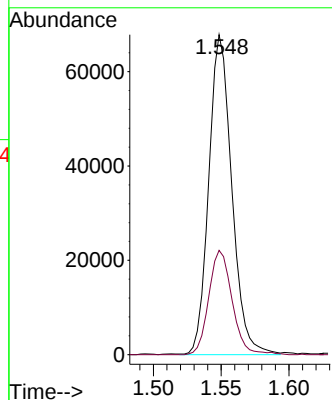
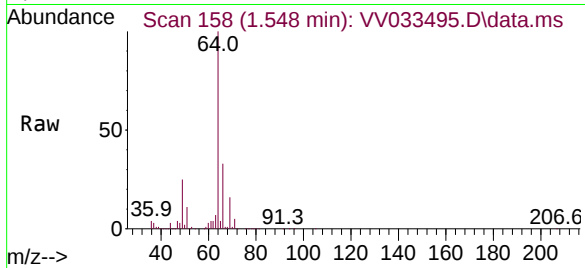




#8
Chloroethane
Concen: 49.045 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

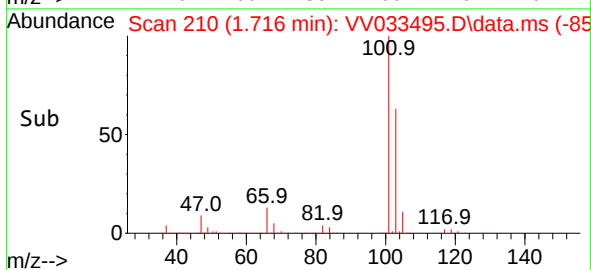
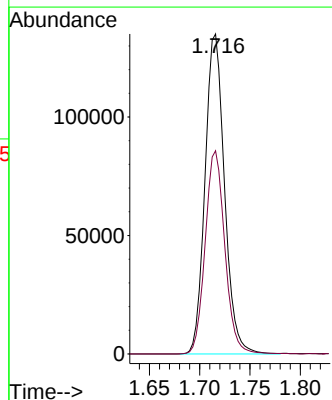
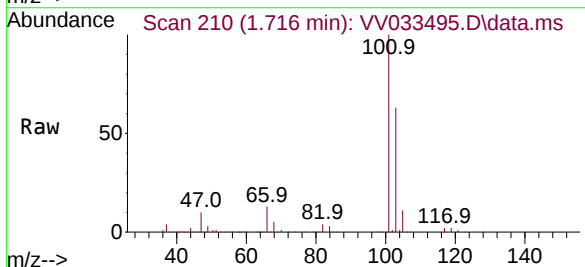
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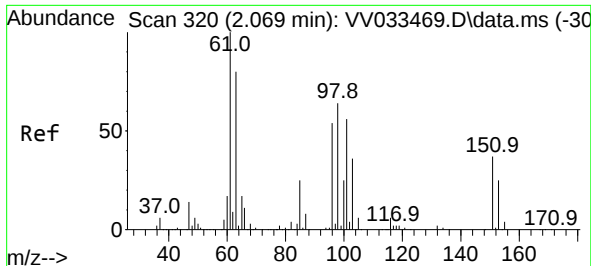
Tgt Ion: 64 Resp: 80214
Ion Ratio Lower Upper
64 100
66 32.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 42.819 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:101 Resp: 181900
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4





#10

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

Concen: 42.864 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

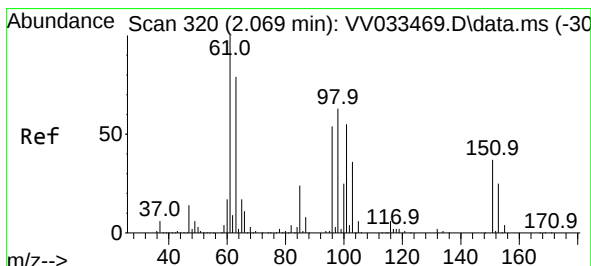
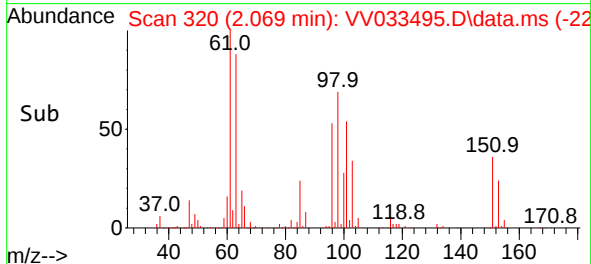
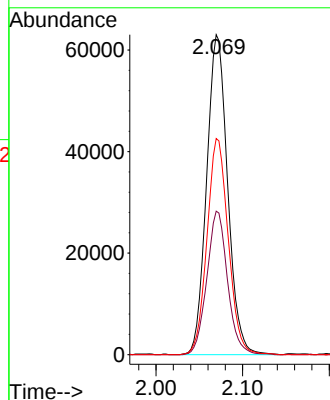
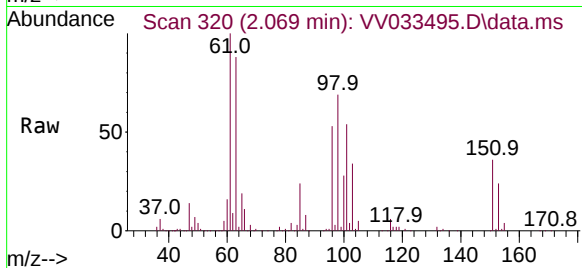
Tgt Ion:101 Resp: 106233

Ion Ratio Lower Upper

101 100

85 44.1 36.6 54.8

151 68.4 57.0 85.6



#12

1,1-Dichloroethene

Concen: 44.622 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

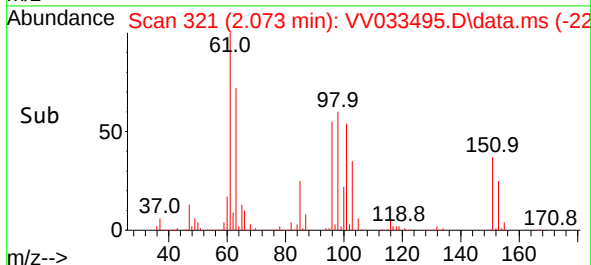
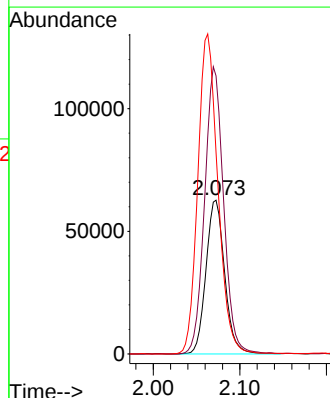
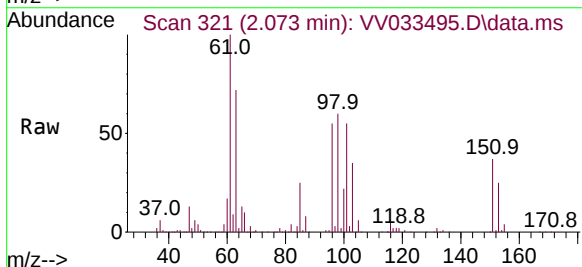
Tgt Ion: 96 Resp: 93950

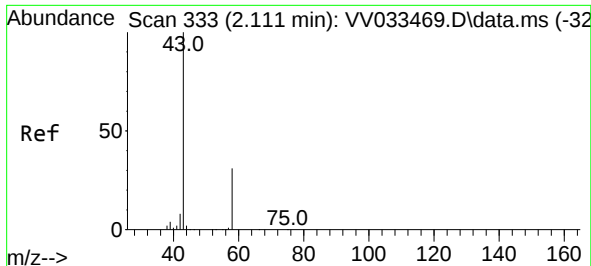
Ion Ratio Lower Upper

96 100

61 181.0 124.3 230.8

63 131.2 108.1 200.7





#13

Acetone

Concen: 82.039 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

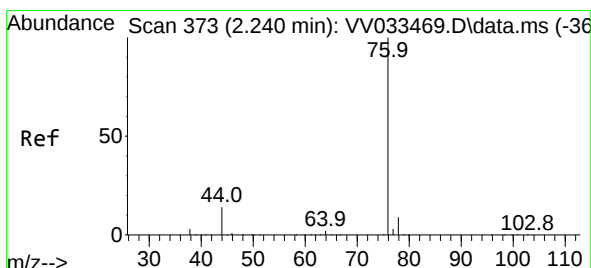
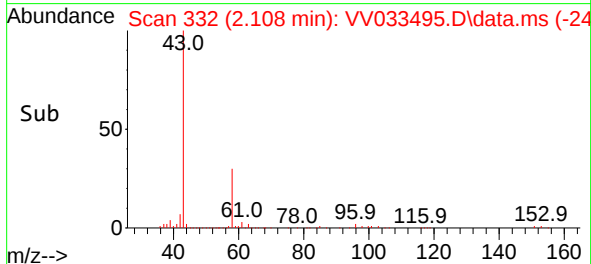
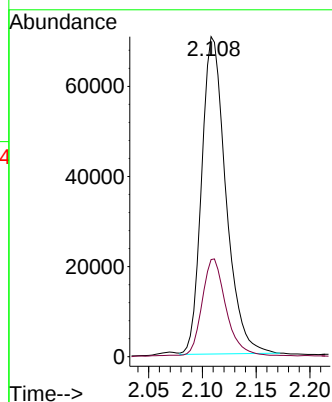
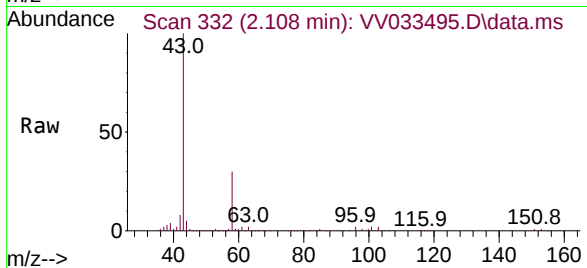
ClientSampleId :

Tgt Ion: 43 Resp: 110428

Ion Ratio Lower Upper

43 100

58 30.7 0.0 59.2



#14

Carbon disulfide

Concen: 46.229 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033495.D

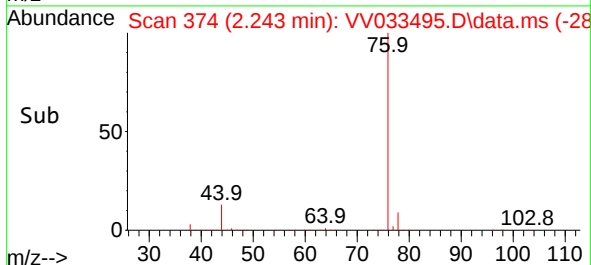
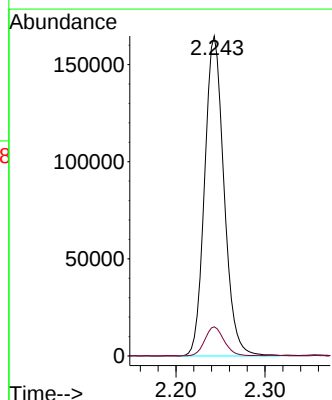
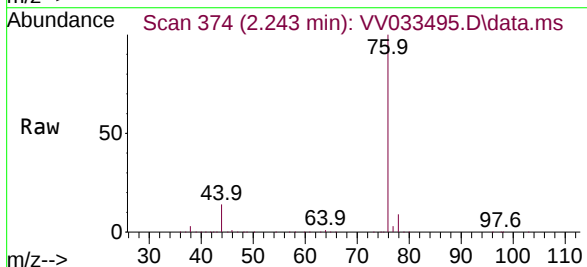
Acq: 19 Dec 2023 21:55

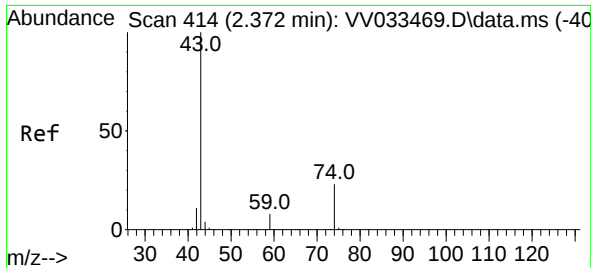
Tgt Ion: 76 Resp: 248727

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

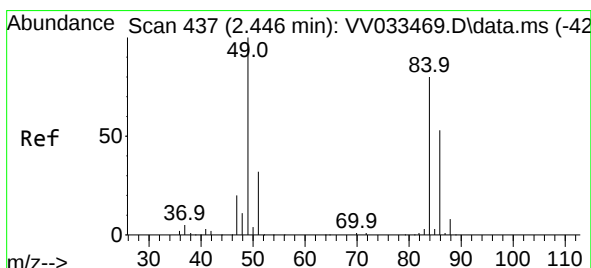
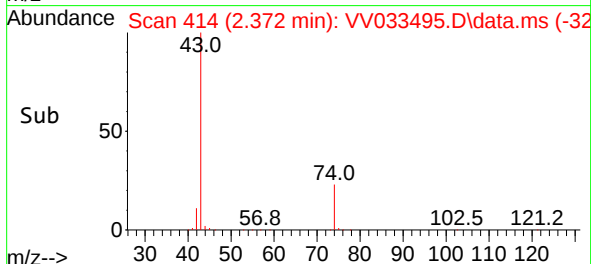
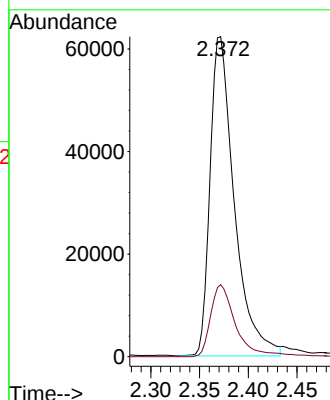
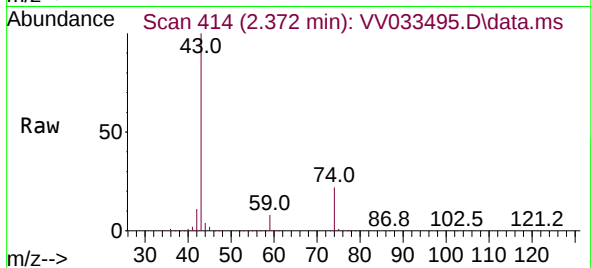




#15
Methyl Acetate
Concen: 56.158 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

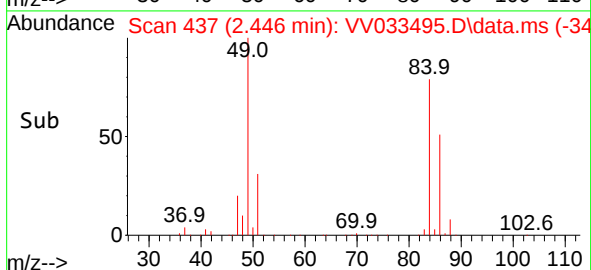
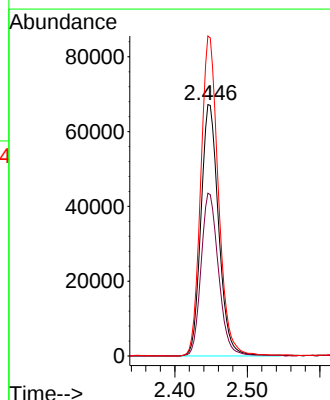
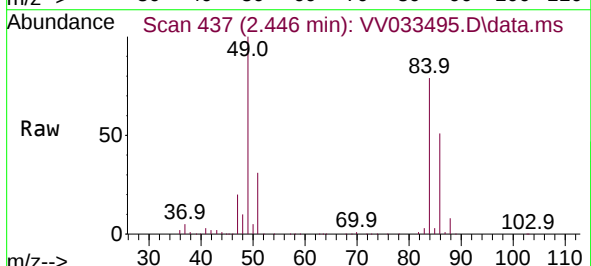
Instrument :
MSVOA_V
ClientSampleId :

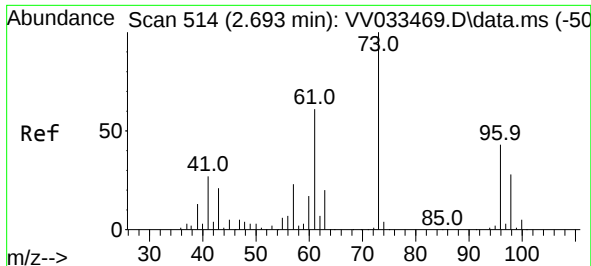
Tgt Ion: 43 Resp: 107957
Ion Ratio Lower Upper
43 100
74 23.4 20.8 31.2



#16
Methylene chloride
Concen: 48.219 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion: 84 Resp: 113385
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.2
49 127.3 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 47.569 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

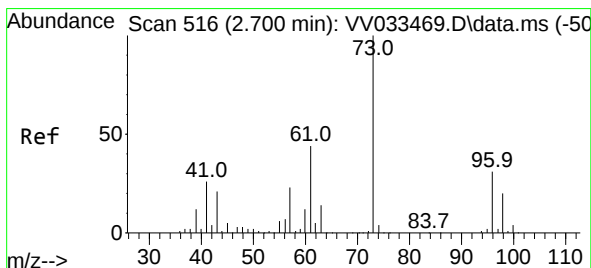
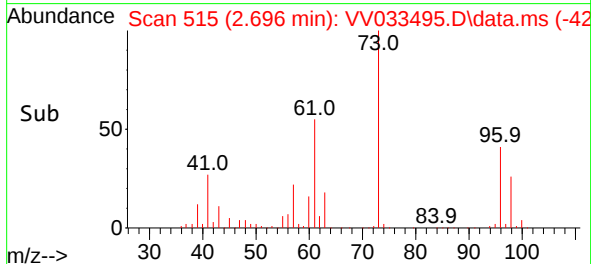
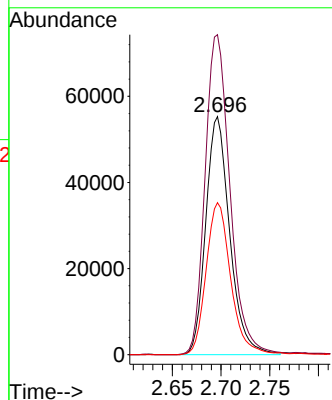
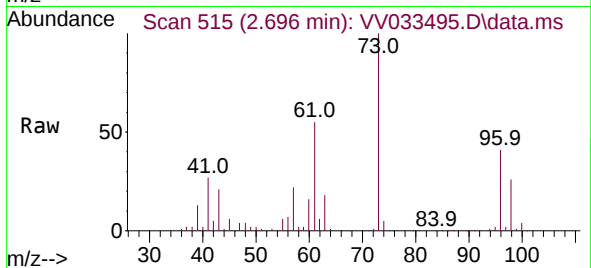
Tgt Ion: 96 Resp: 94667

Ion Ratio Lower Upper

96 100

61 134.4 89.6 166.4

98 63.9 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 50.868 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

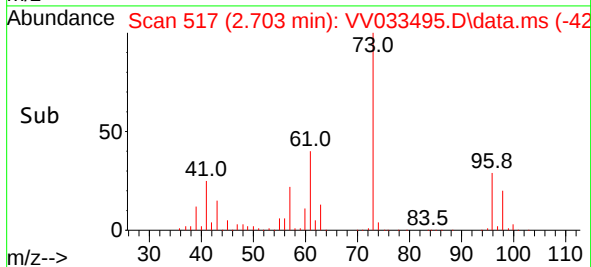
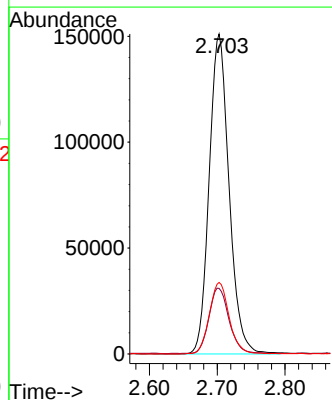
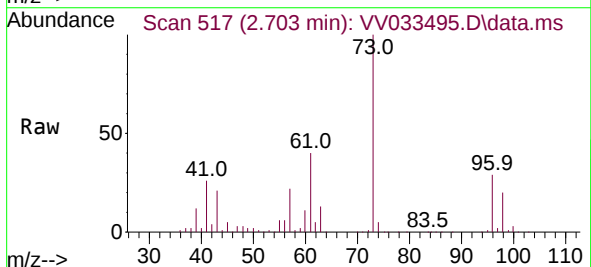
Tgt Ion: 73 Resp: 307417

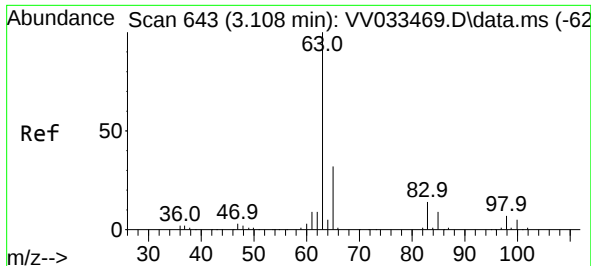
Ion Ratio Lower Upper

73 100

43 20.5 16.3 24.5

57 22.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 51.689 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

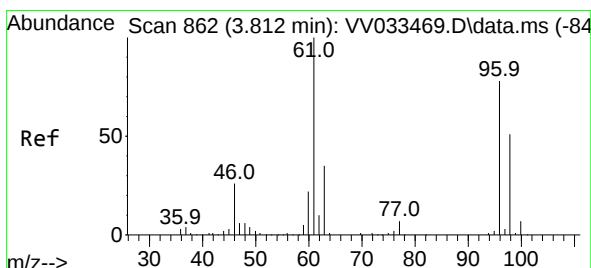
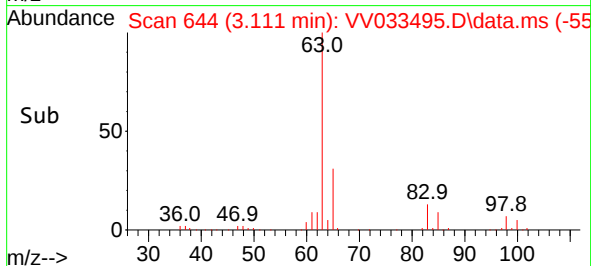
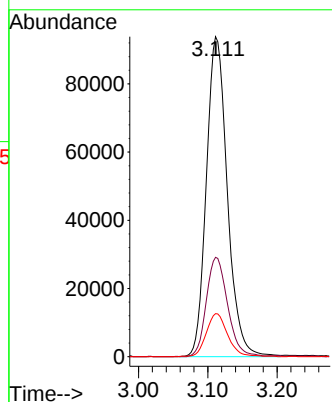
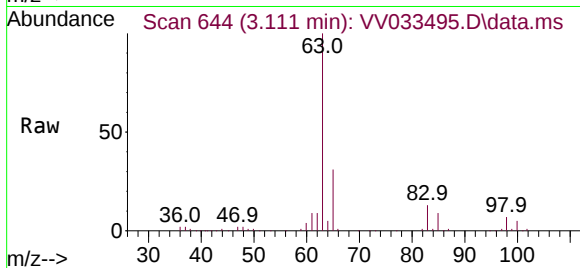
Tgt Ion: 63 Resp: 197151

Ion Ratio Lower Upper

63 100

65 31.1 21.1 39.3

83 13.5 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 47.319 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

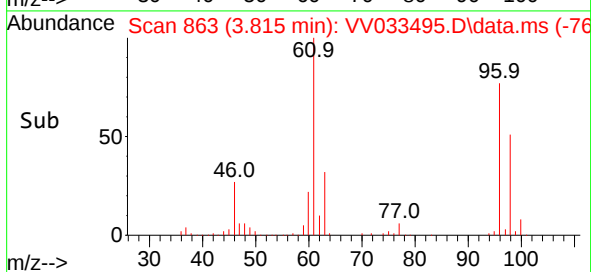
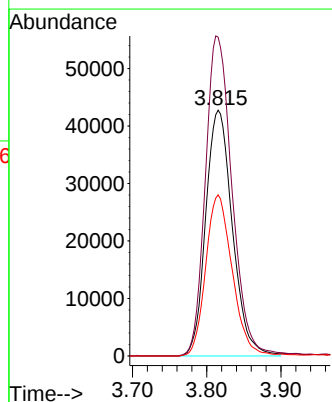
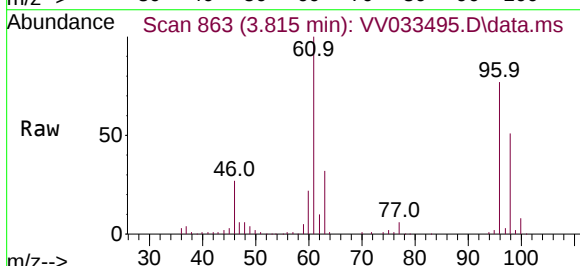
Tgt Ion: 96 Resp: 106769

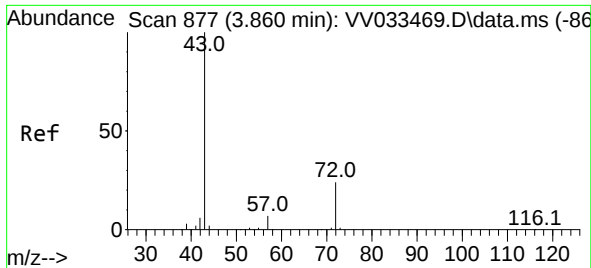
Ion Ratio Lower Upper

96 100

61 129.7 81.9 152.1

98 65.5 44.3 82.3

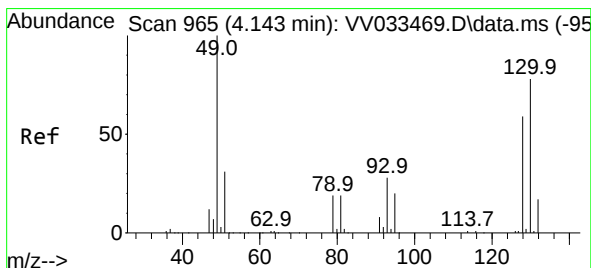
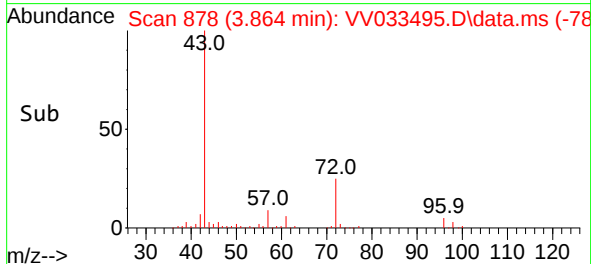
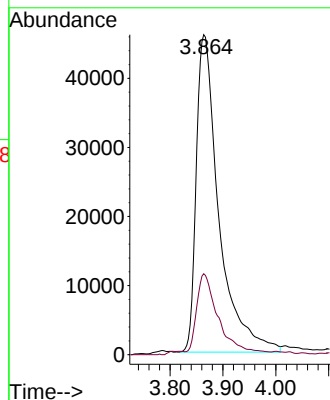
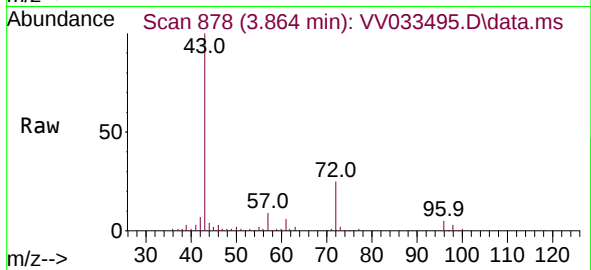




#22
2-Butanone
Concen: 102.939 ug/L
RT: 3.864 min Scan# 877
Delta R.T. 0.003 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

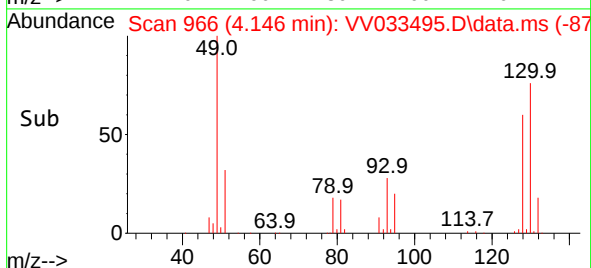
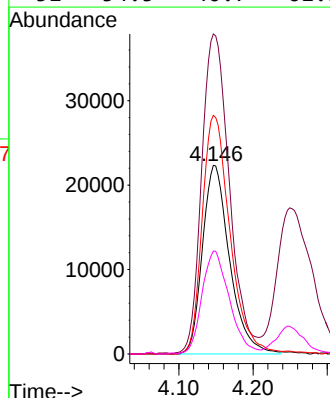
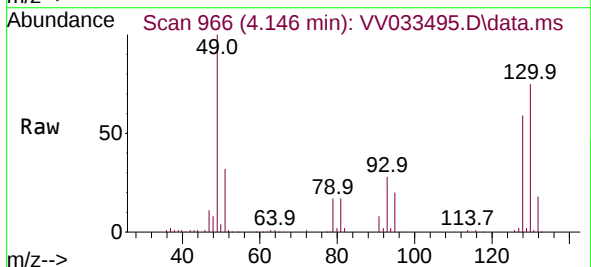
Instrument :
MSVOA_V
ClientSampleId :

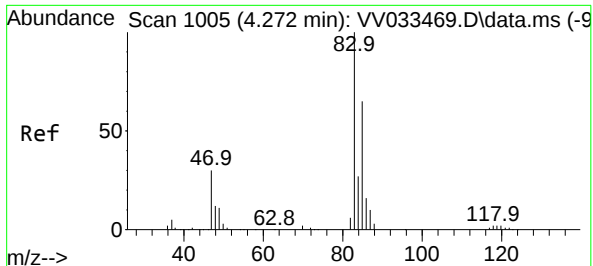
Tgt Ion: 43 Resp: 136511
Ion Ratio Lower Upper
43 100
72 22.7 12.4 37.4



#23
Bromochloromethane
Concen: 45.815 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:128 Resp: 56663
Ion Ratio Lower Upper
128 100
49 169.7 106.0 196.9
130 126.5 93.6 173.8
51 54.5 40.7 61.1





#25

Chloroform

Concen: 48.314 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

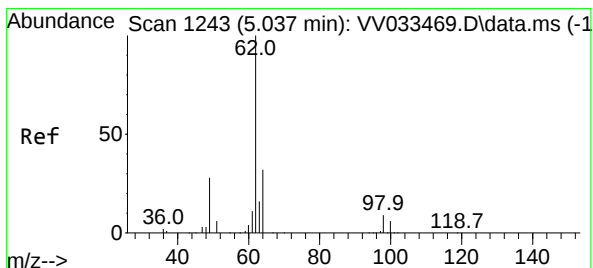
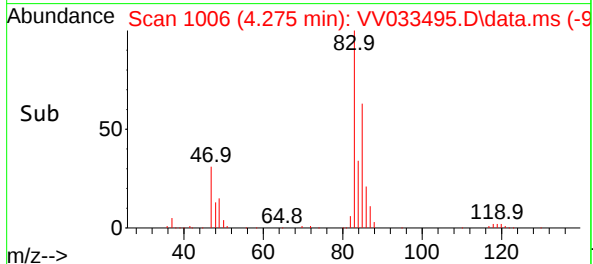
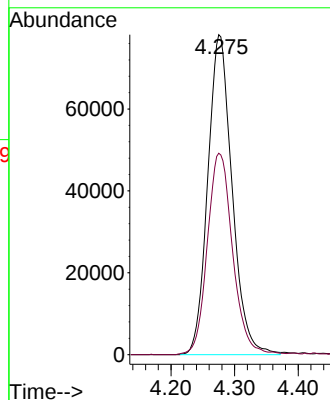
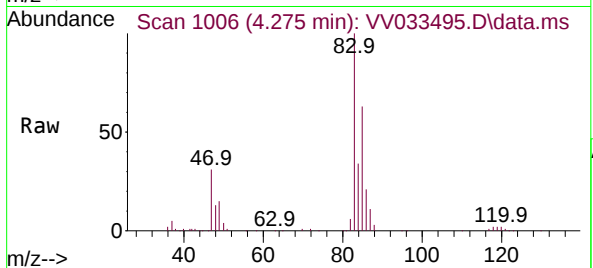
ClientSampleId :

Tgt Ion: 83 Resp: 207382

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 49.320 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033495.D

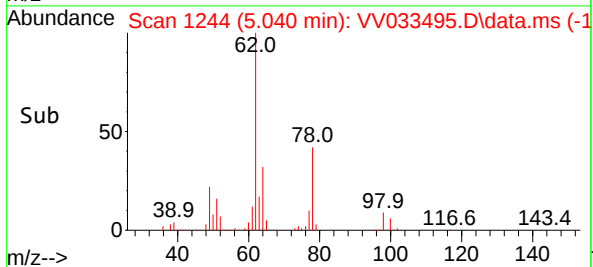
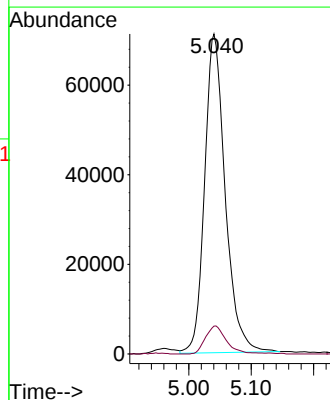
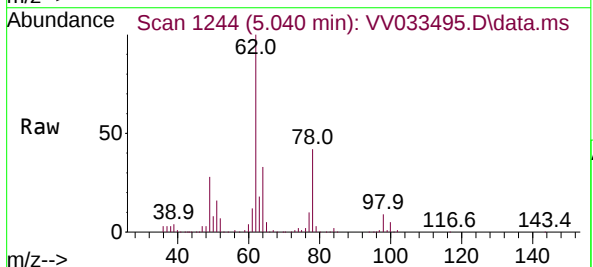
Acq: 19 Dec 2023 21:55

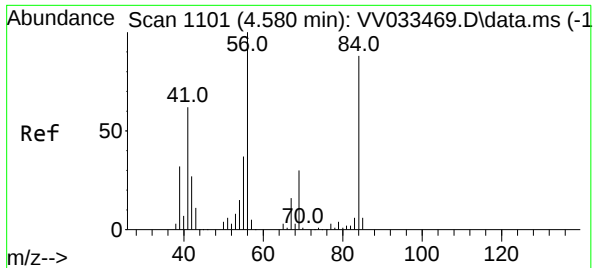
Tgt Ion: 62 Resp: 163182

Ion Ratio Lower Upper

62 100

98 8.7 8.0 12.0





#29

Cyclohexane

Concen: 54.010 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

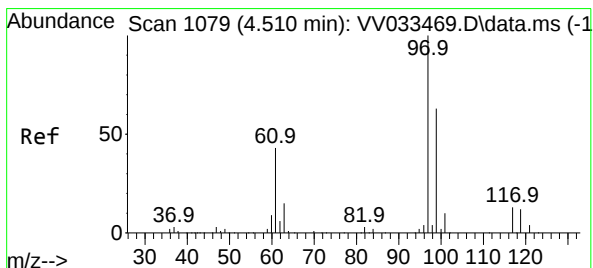
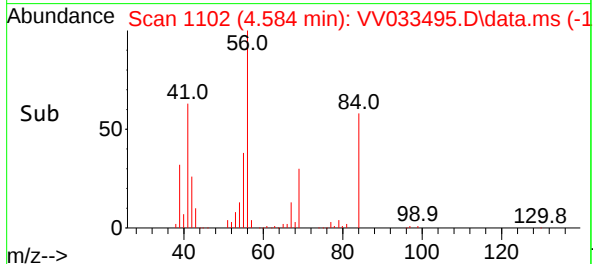
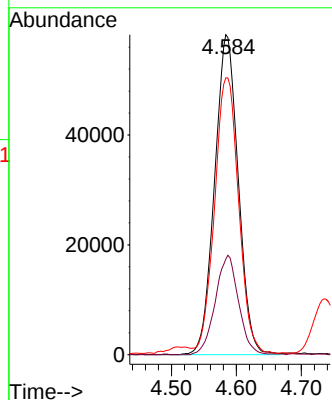
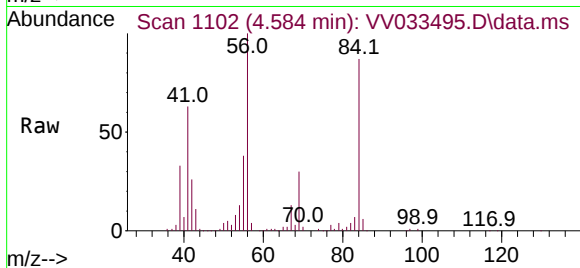
Tgt Ion: 56 Resp: 147164

Ion Ratio Lower Upper

56 100

69 30.4 25.8 38.6

84 86.2 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 47.067 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

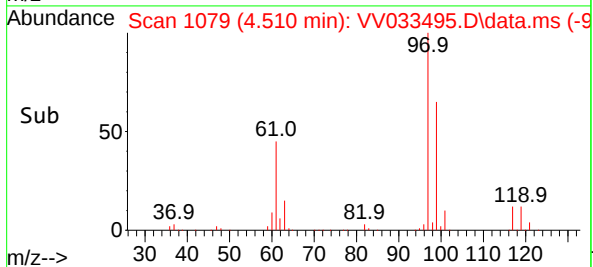
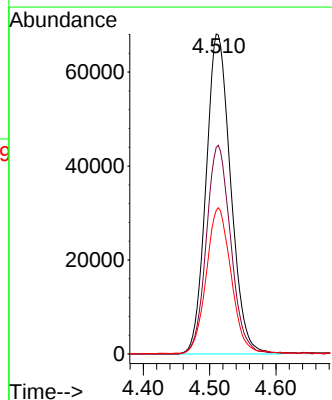
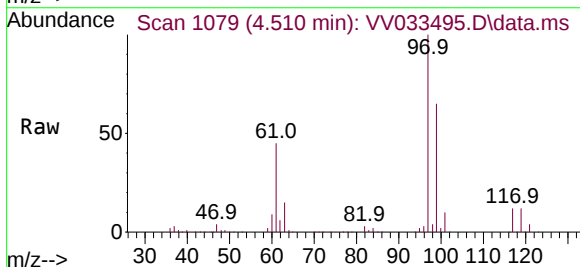
Tgt Ion: 97 Resp: 175683

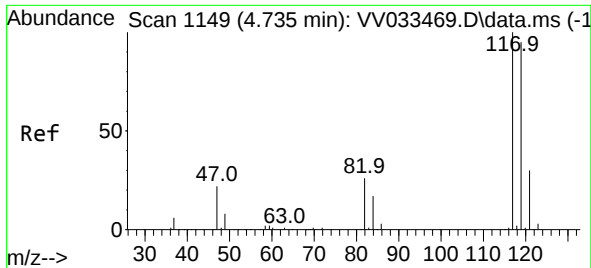
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 45.3 34.8 52.2

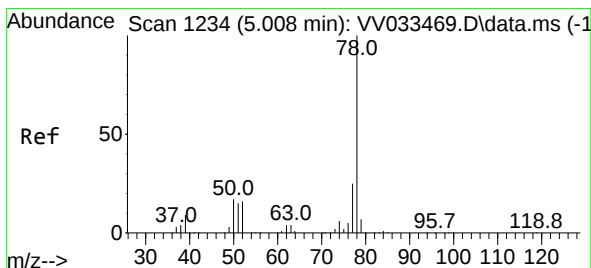
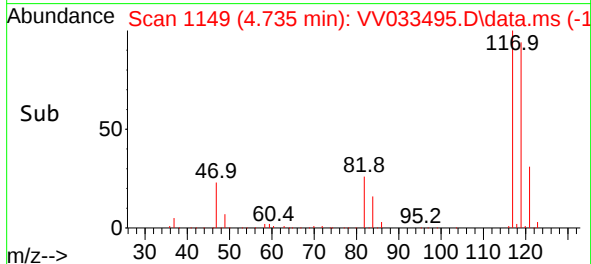
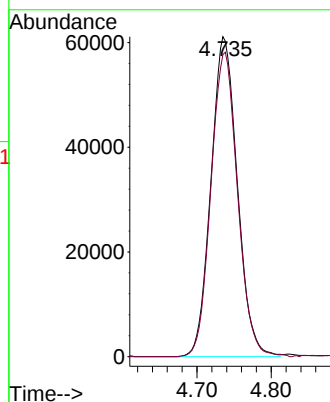
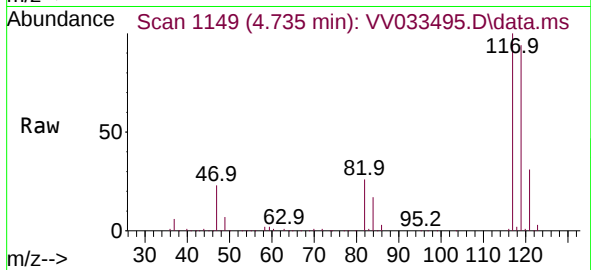




#31
Carbon tetrachloride
Concen: 45.189 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

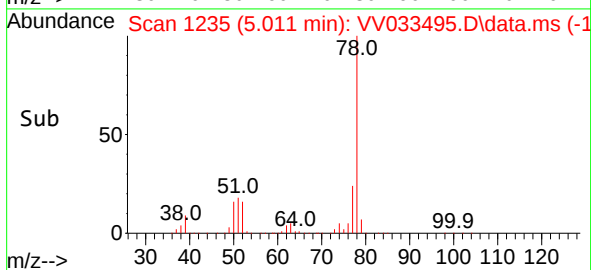
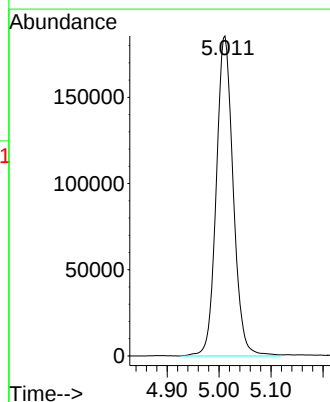
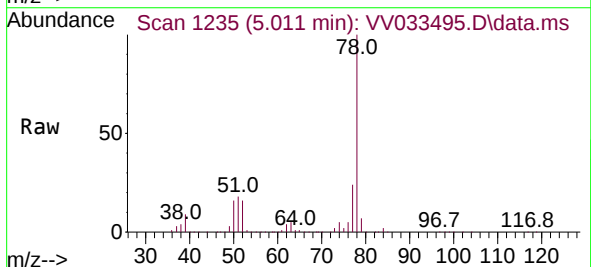
Instrument :
MSVOA_V
ClientSampleId :

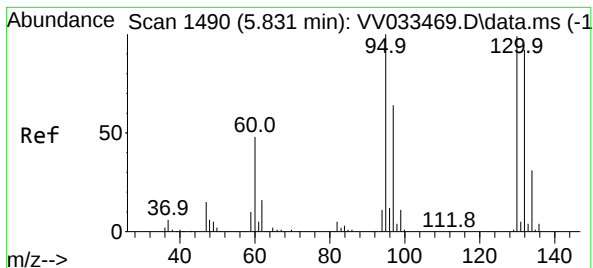
Tgt Ion:117 Resp: 150952
Ion Ratio Lower Upper
117 100
119 95.6 77.8 116.6



#33
Benzene
Concen: 52.174 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion: 78 Resp: 420409





#34

Trichloroethene

Concen: 47.943 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 105985

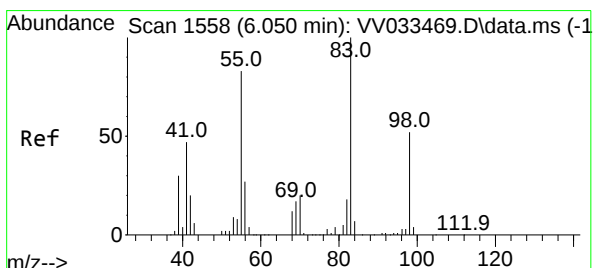
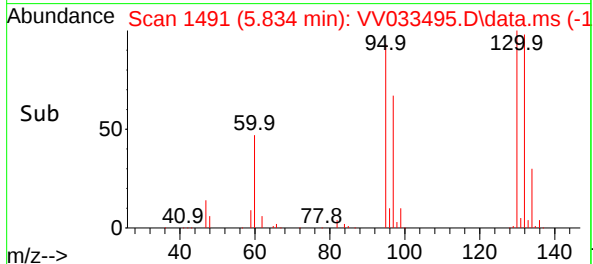
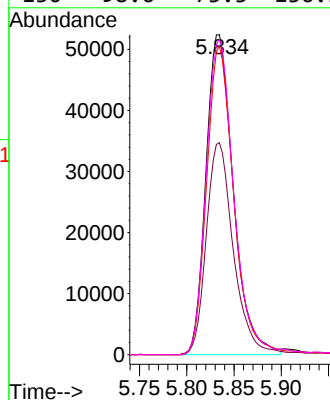
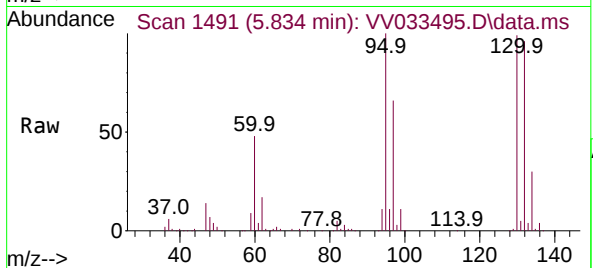
Ion Ratio Lower Upper

95 100

97 66.3 44.8 83.2

132 96.5 69.9 129.7

130 98.6 73.3 136.1



#35

Methylcyclohexane

Concen: 48.242 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

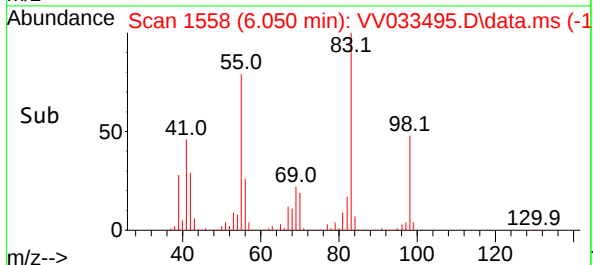
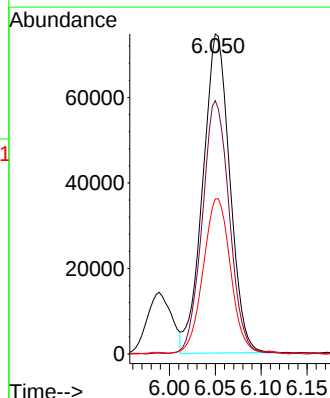
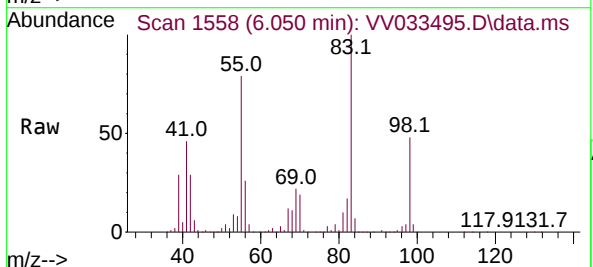
Tgt Ion: 83 Resp: 152962

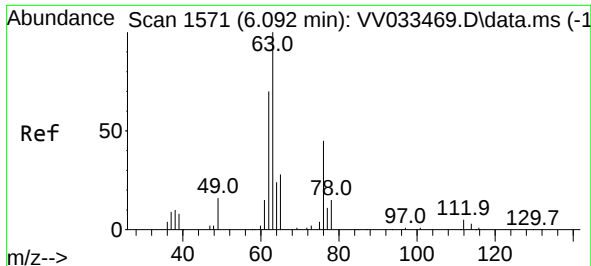
Ion Ratio Lower Upper

83 100

55 79.0 58.6 88.0

98 49.7 40.9 61.3





#37

1,2-Dichloropropane

Concen: 52.450 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

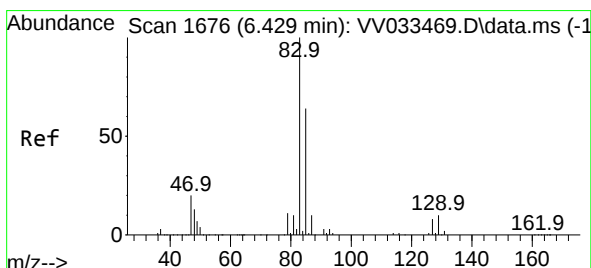
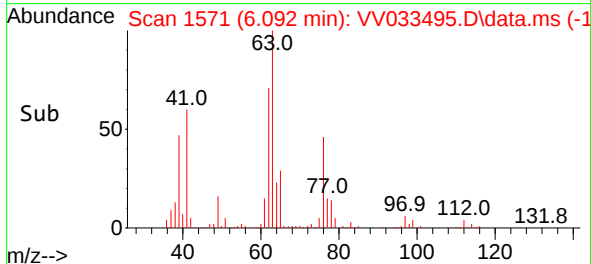
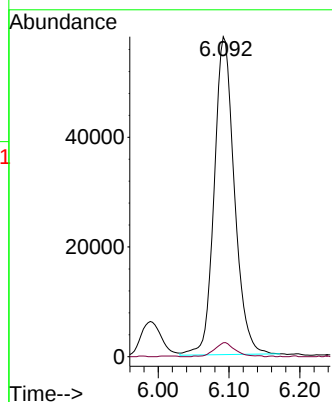
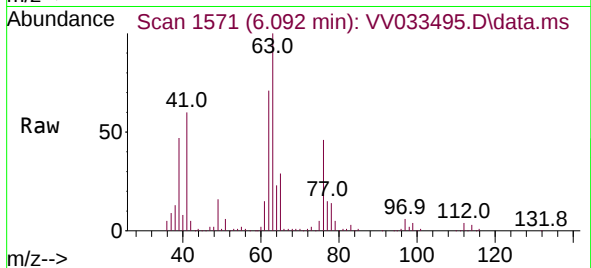
ClientSampleId :

Tgt Ion: 63 Resp: 114616

Ion Ratio Lower Upper

63 100

112 4.2 3.7 5.5



#38

Bromodichloromethane

Concen: 48.341 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

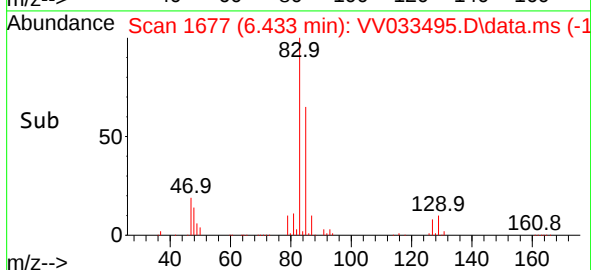
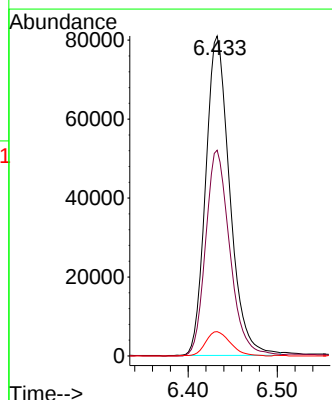
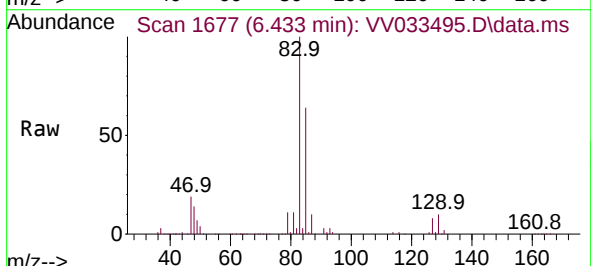
Tgt Ion: 83 Resp: 152042

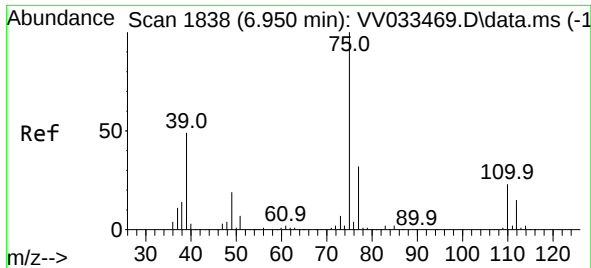
Ion Ratio Lower Upper

83 100

85 64.3 45.2 84.0

127 7.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 52.624 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

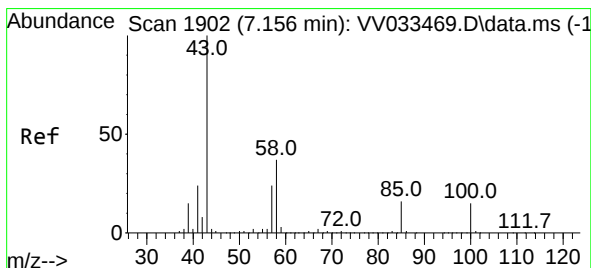
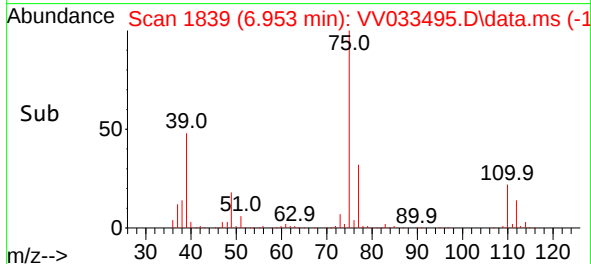
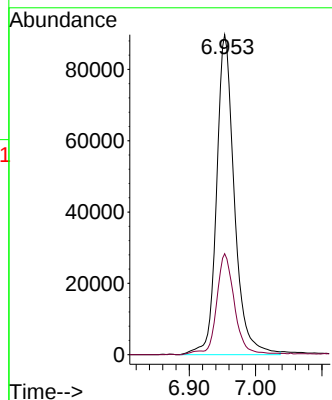
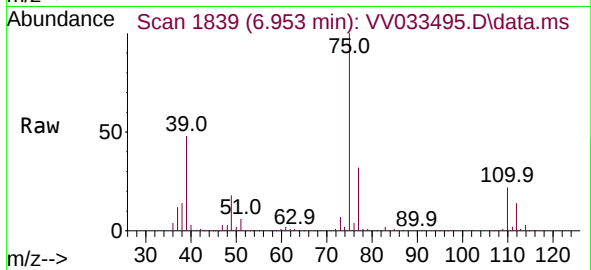
ClientSampleId :

Tgt Ion: 75 Resp: 167297

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 118.763 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

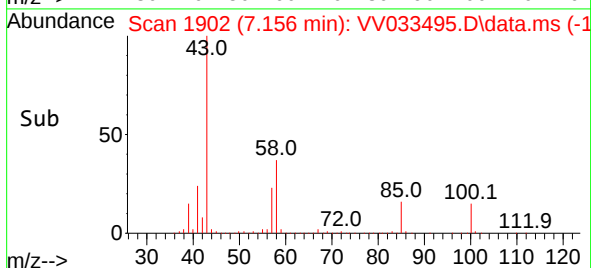
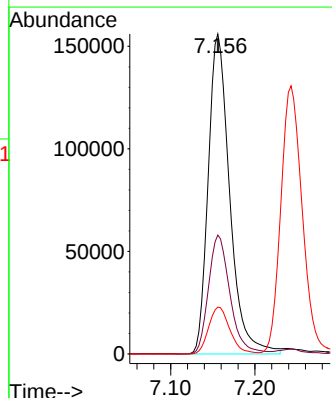
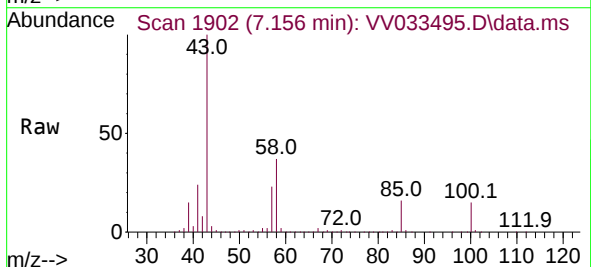
Tgt Ion: 43 Resp: 276958

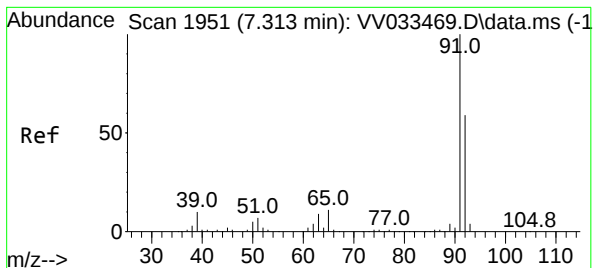
Ion Ratio Lower Upper

43 100

58 37.2 30.7 46.1

100 14.5 13.6 20.4





#42

Toluene

Concen: 52.098 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

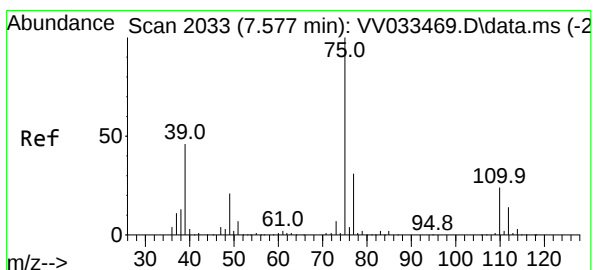
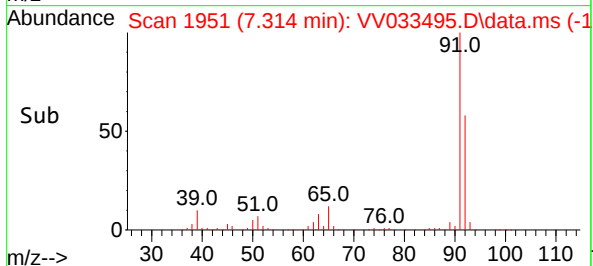
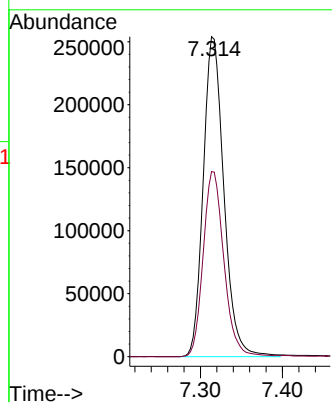
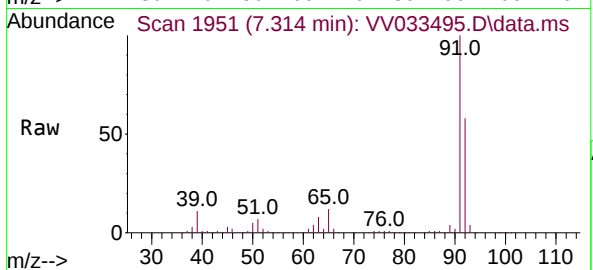
ClientSampleId :

Tgt Ion: 91 Resp: 444946

Ion Ratio Lower Upper

91 100

92 57.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.757 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033495.D

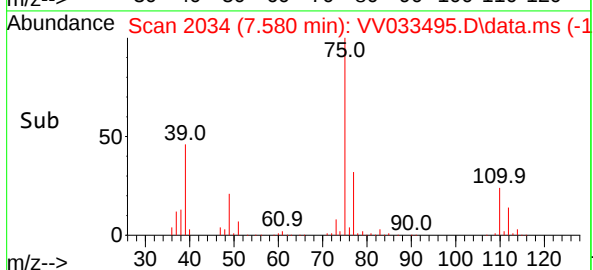
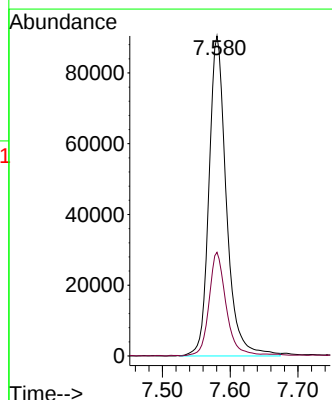
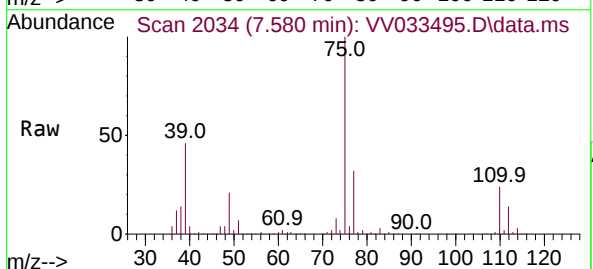
Acq: 19 Dec 2023 21:55

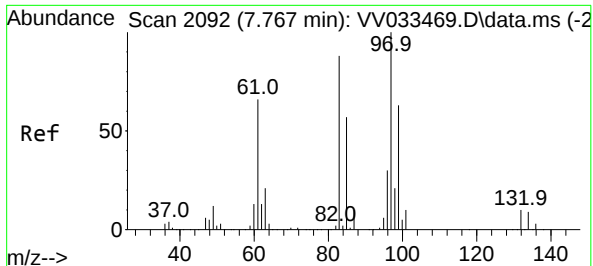
Tgt Ion: 75 Resp: 161921

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6

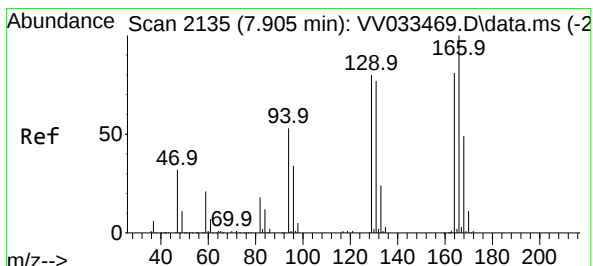
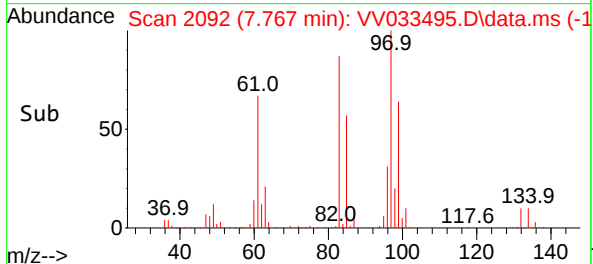
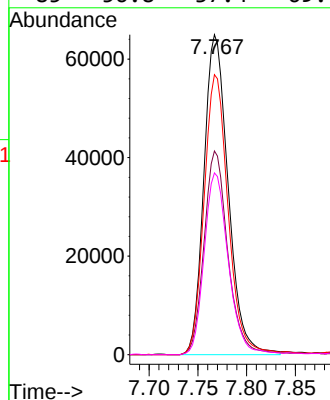
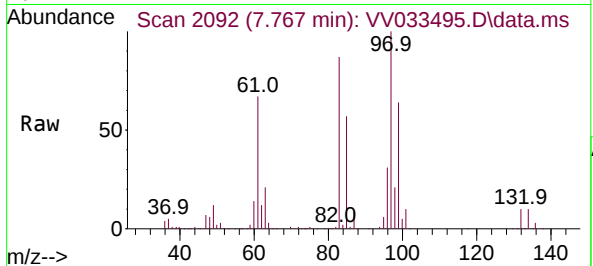




#45
1,1,2-Trichloroethane
Concen: 49.449 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

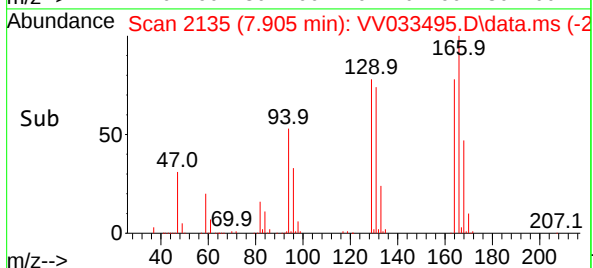
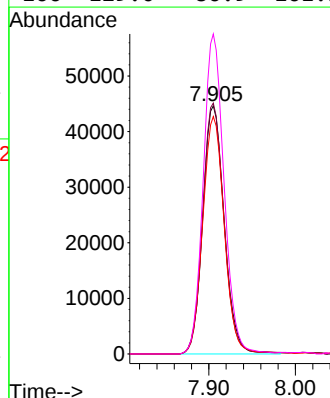
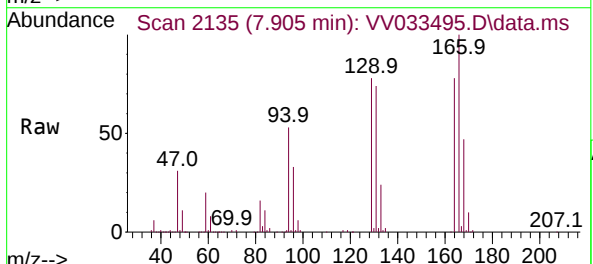
Instrument :
MSVOA_V
ClientSampleId :

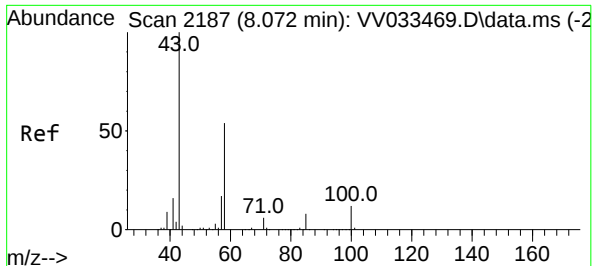
Tgt Ion:	97	Resp:	112629
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.5	80.7
83	87.5	61.0	113.4
85	56.8	37.4	69.4



#46
Tetrachloroethene
Concen: 44.478 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

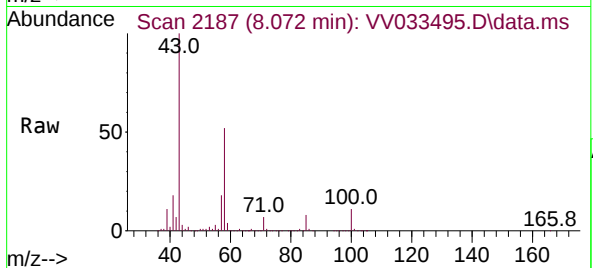
Tgt Ion:	164	Resp:	76829
Ion	Ratio	Lower	Upper
164	100		
129	101.1	68.9	127.9
131	95.7	65.3	121.3
166	129.0	86.9	161.3



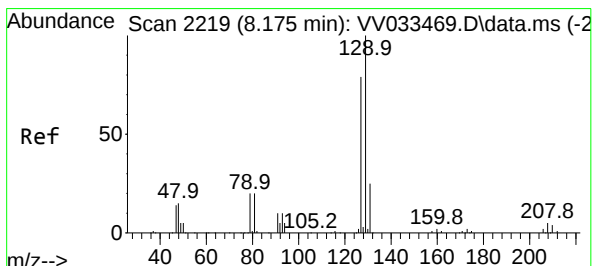
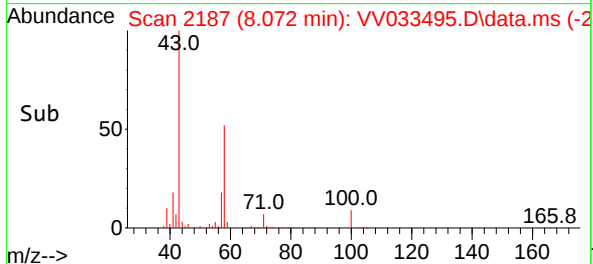
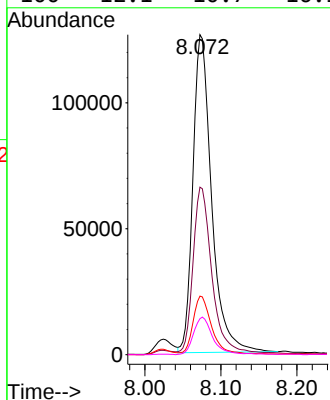


#48
2-Hexanone
Concen: 110.924 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Instrument :
MSVOA_V
ClientSampleId :

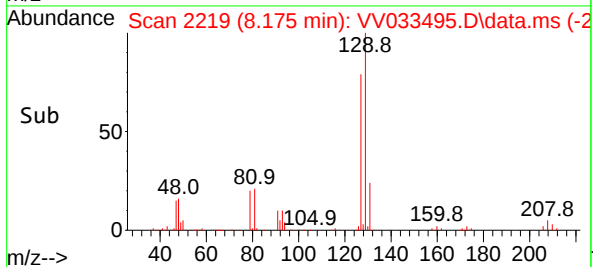
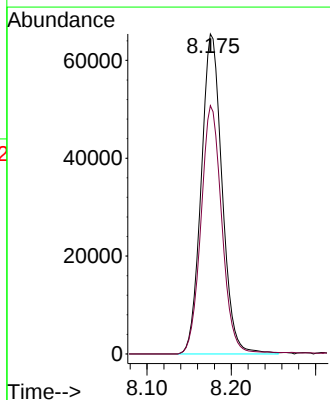
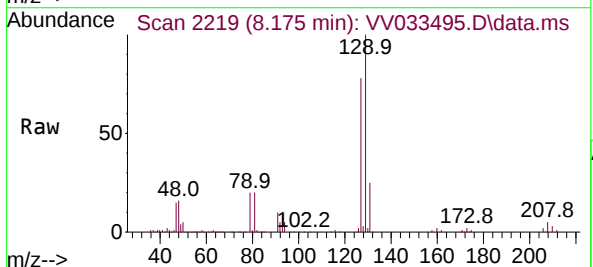


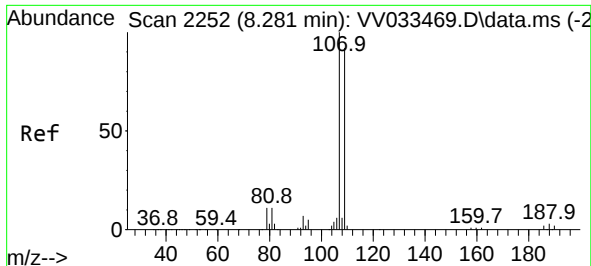
Tgt Ion:	43	Resp:	215752
Ion	Ratio	Lower	Upper
43	100		
58	52.0	43.0	64.6
57	17.6	14.7	22.1
100	12.1	10.7	16.1



#49
Dibromochloromethane
Concen: 46.877 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:	129	Resp:	112900
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.3	98.9

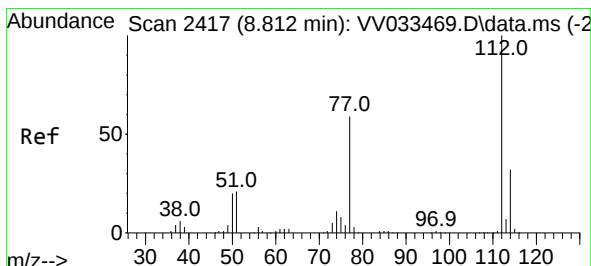
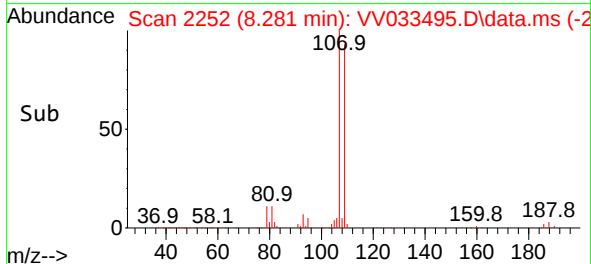
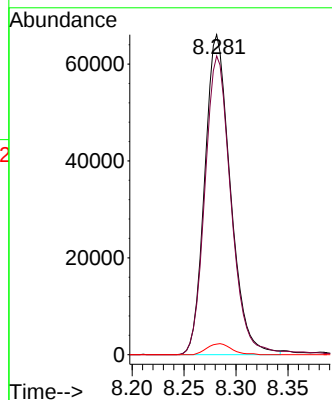
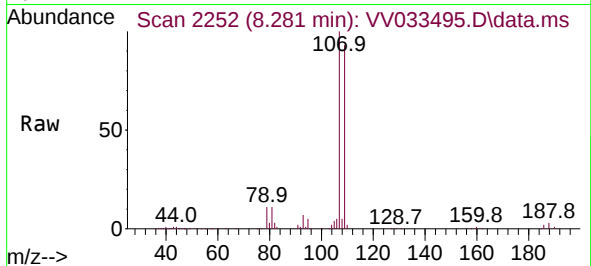




#50
1,2-Dibromoethane
Concen: 48.314 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

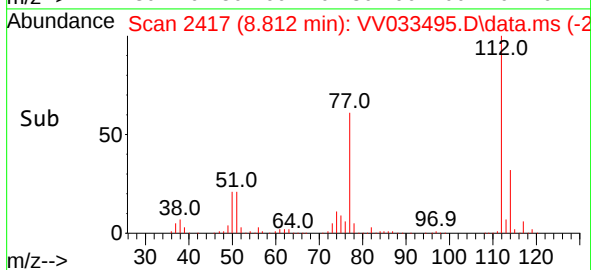
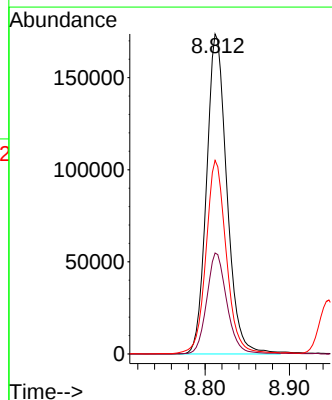
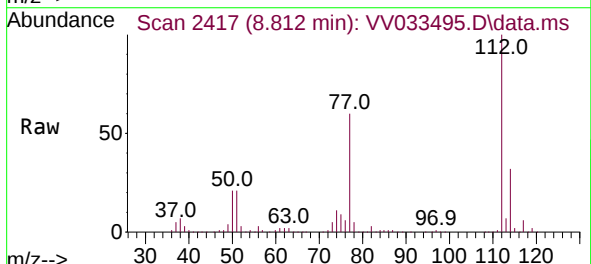
Instrument :
MSVOA_V
ClientSampleId :

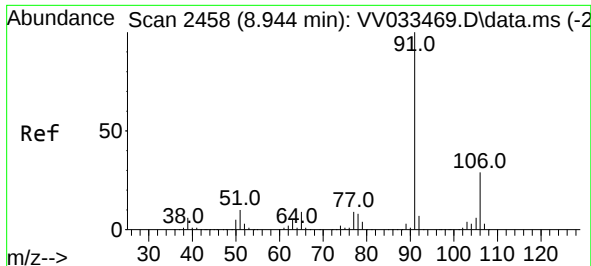
Tgt Ion:107 Resp: 113435
Ion Ratio Lower Upper
107 100
109 93.4 64.2 119.2
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 47.420 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:112 Resp: 291864
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 60.5 45.2 67.8

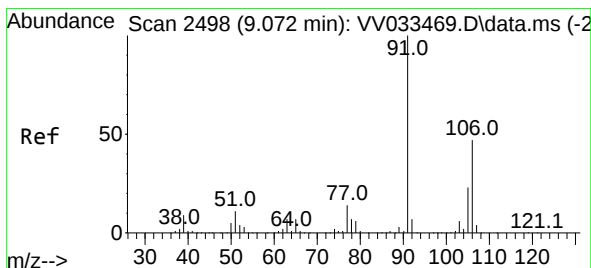
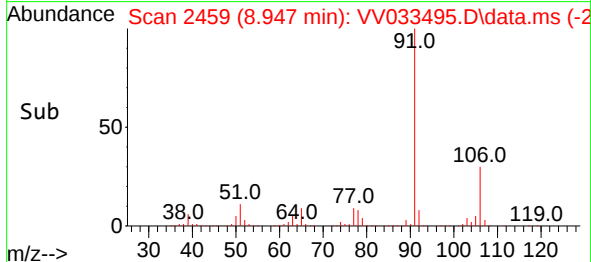
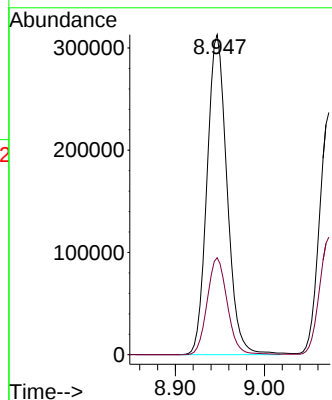
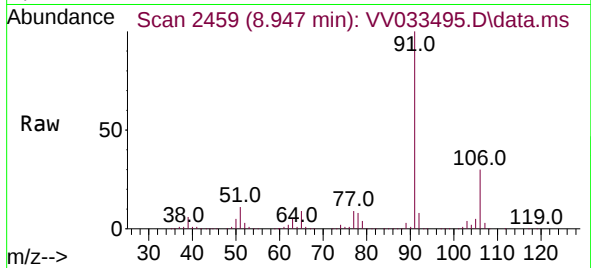




#52
Ethylbenzene
Concen: 51.267 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

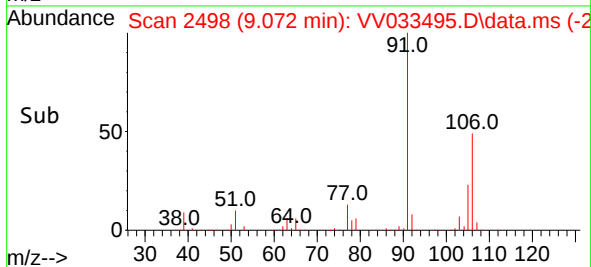
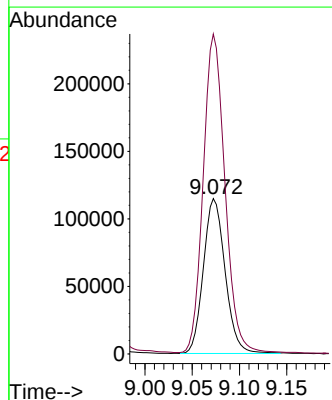
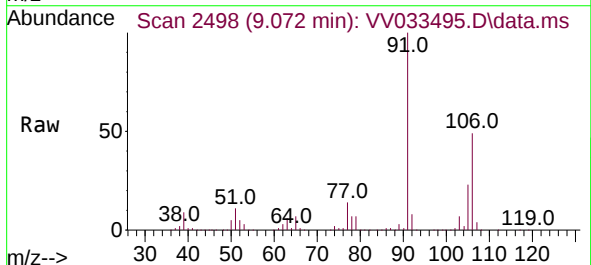
Instrument :
MSVOA_V
ClientSampleId :

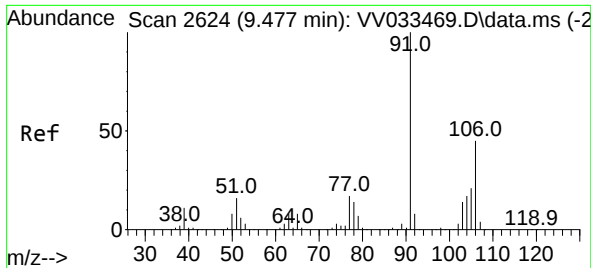
Tgt Ion: 91 Resp: 487622
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.2



#53
m,p-Xylene
Concen: 51.246 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion: 106 Resp: 183130
Ion Ratio Lower Upper
106 100
91 206.1 143.0 265.6

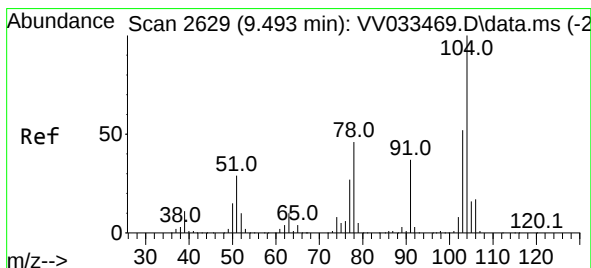
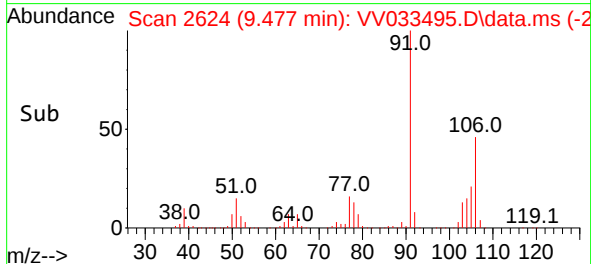
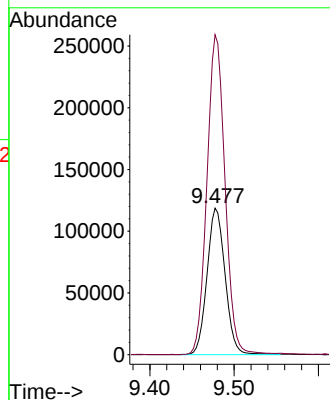
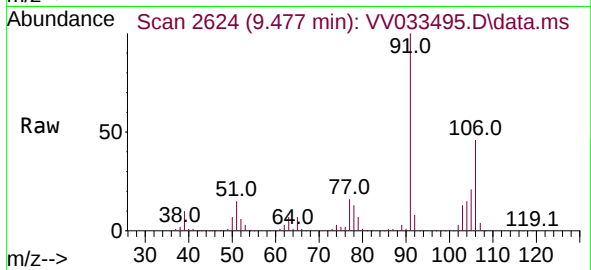




#54
o-Xylene
Concen: 51.175 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

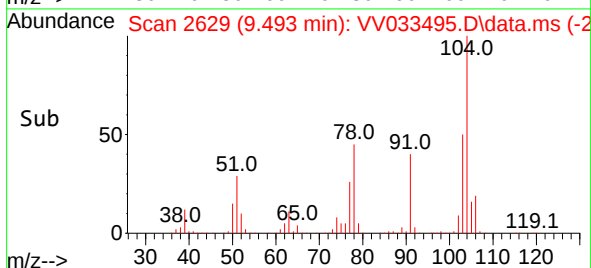
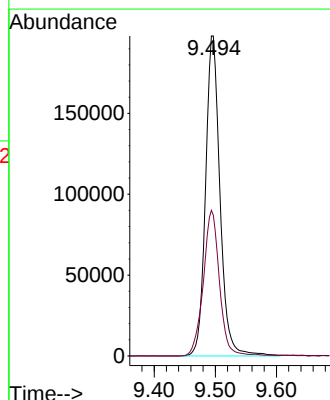
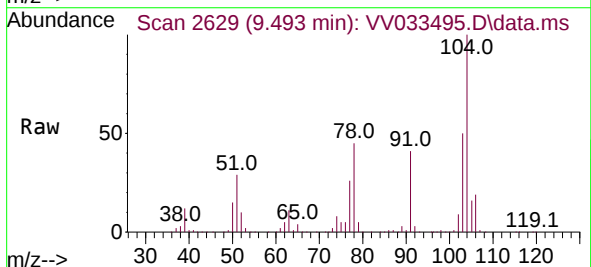
Instrument :
MSVOA_V
ClientSampleId :

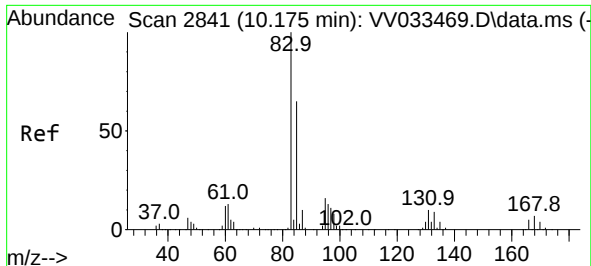
Tgt Ion:106 Resp: 177571
Ion Ratio Lower Upper
106 100
91 218.3 149.7 278.1



#55
Styrene
Concen: 53.266 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:104 Resp: 326195
Ion Ratio Lower Upper
104 100
78 45.5 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.971 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

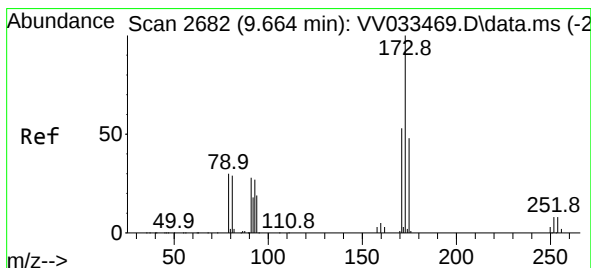
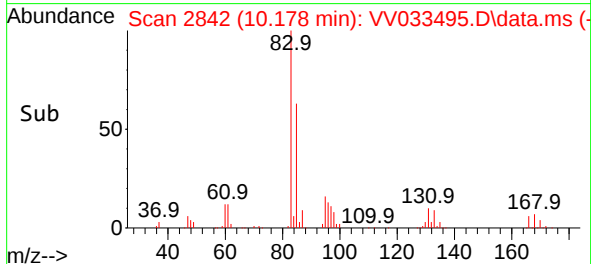
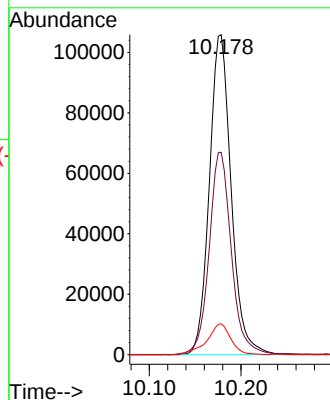
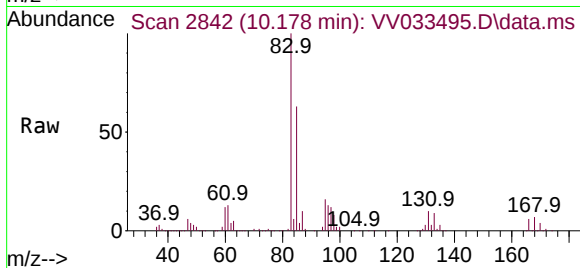
Tgt Ion: 83 Resp: 174803

Ion Ratio Lower Upper

83 100

85 63.3 44.8 83.2

131 9.6 8.6 12.8



#59

Bromoform

Concen: 44.814 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

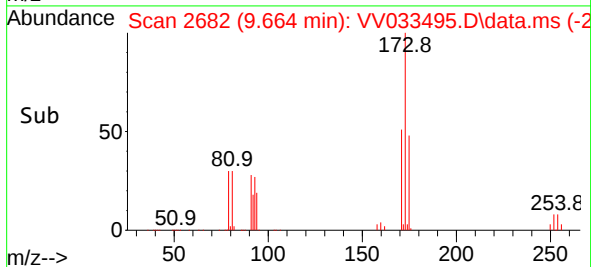
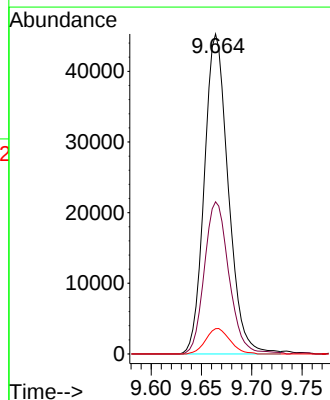
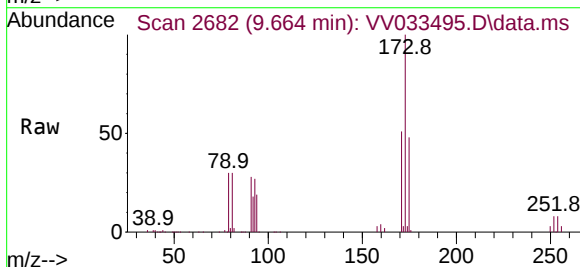
Tgt Ion: 173 Resp: 75020

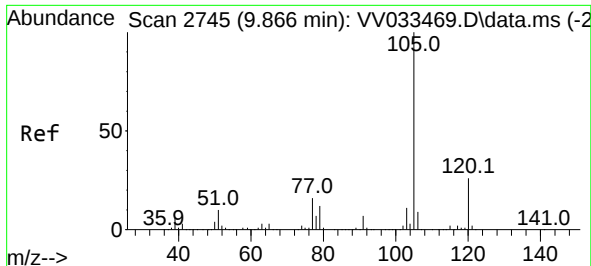
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

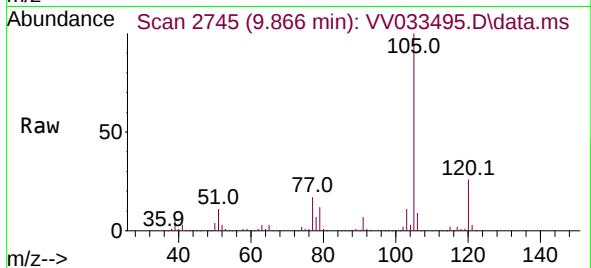
254 8.0 5.8 8.8



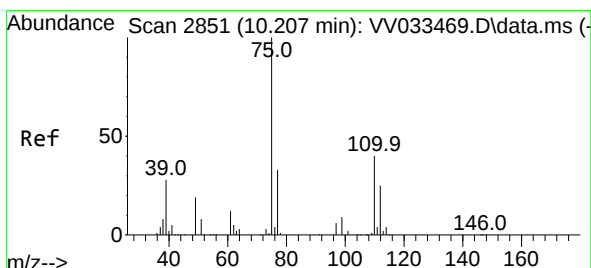
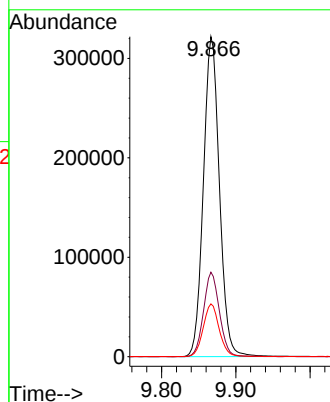
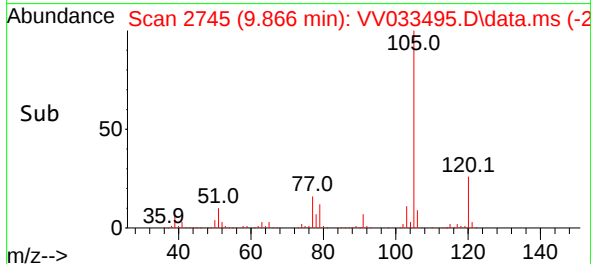


#60
Isopropylbenzene
Concen: 52.242 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

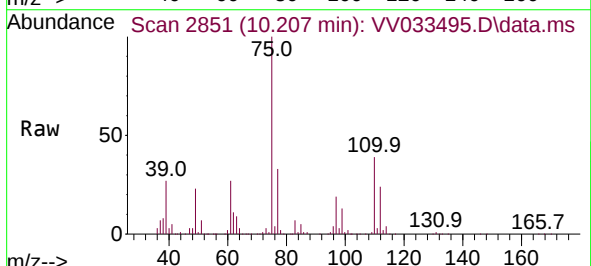
Instrument :
MSVOA_V
ClientSampleId :



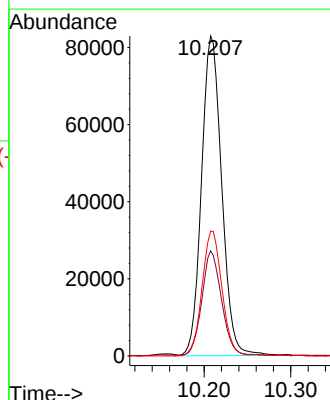
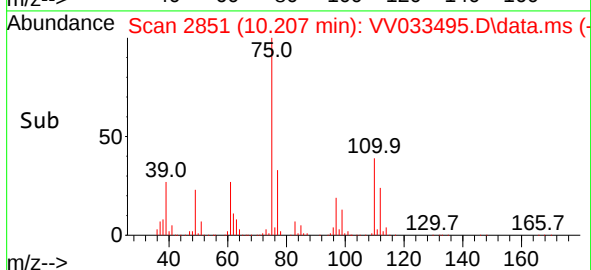
Tgt Ion:105 Resp: 481367
Ion Ratio Lower Upper
105 100
120 26.2 21.2 31.8
77 16.4 12.5 18.7

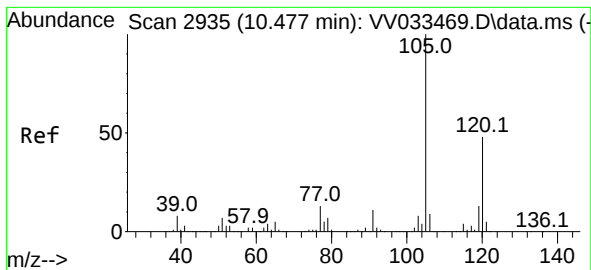


#61
1,2,3-Trichloropropane
Concen: 51.648 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55



Tgt Ion: 75 Resp: 134319
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
110 38.8 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 52.385 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

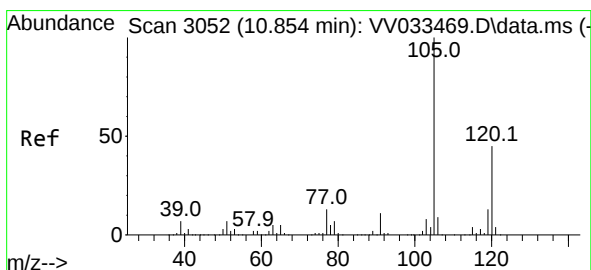
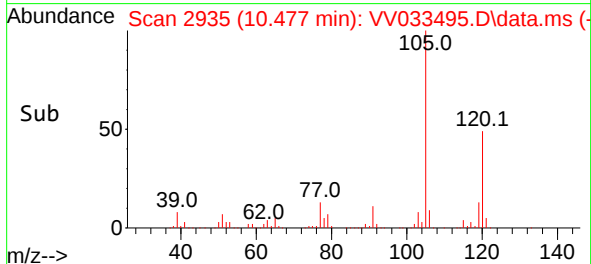
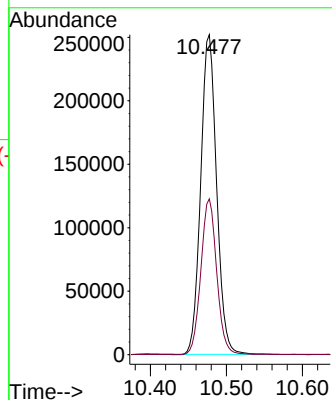
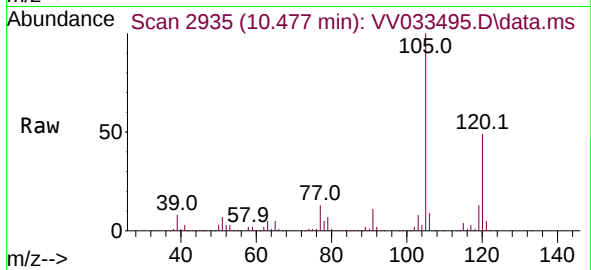
ClientSampleId :

Tgt Ion:105 Resp: 365825

Ion Ratio Lower Upper

105 100

120 48.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 53.254 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VV033495.D

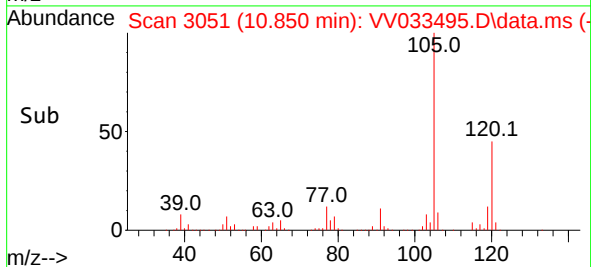
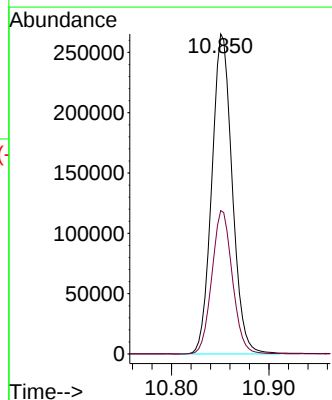
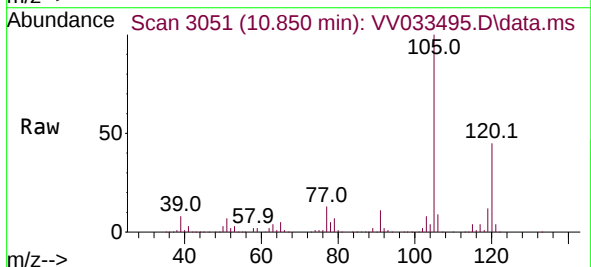
Acq: 19 Dec 2023 21:55

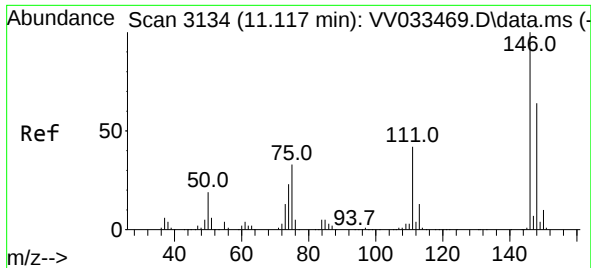
Tgt Ion:105 Resp: 386237

Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.4

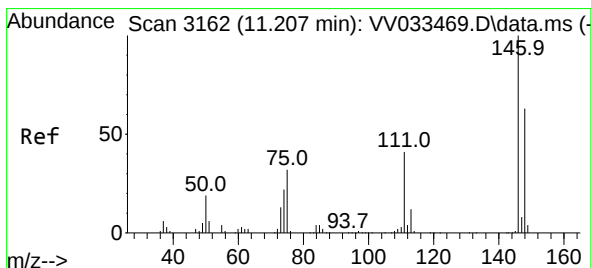
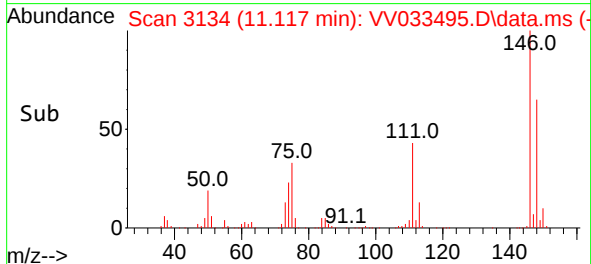
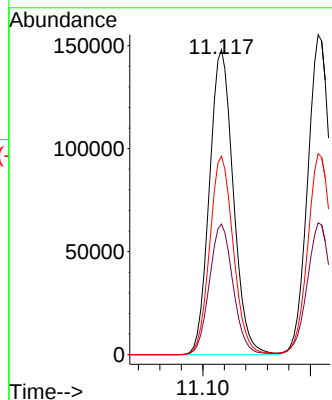
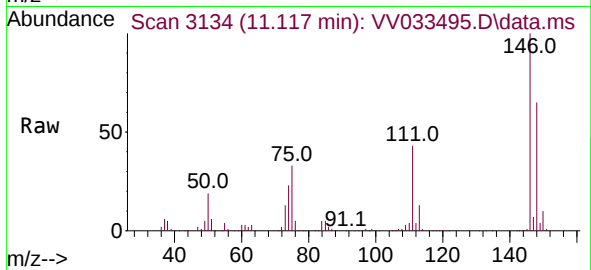




#64
1,3-Dichlorobenzene
Concen: 47.696 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

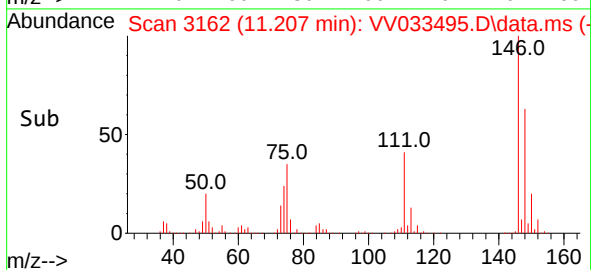
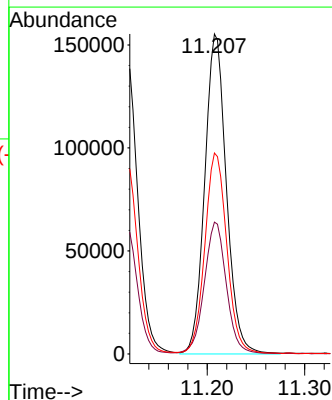
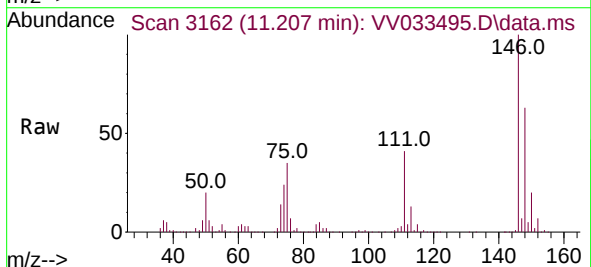
Instrument :
MSVOA_V
ClientSampleId :

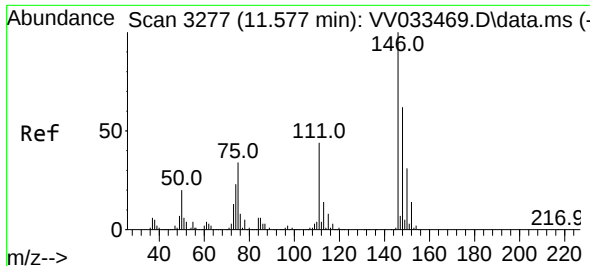
Tgt Ion:146 Resp: 228411
Ion Ratio Lower Upper
146 100
111 42.8 29.3 54.5
148 65.1 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 46.589 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion:146 Resp: 240123
Ion Ratio Lower Upper
146 100
111 41.2 27.9 51.7
148 62.8 45.5 84.5

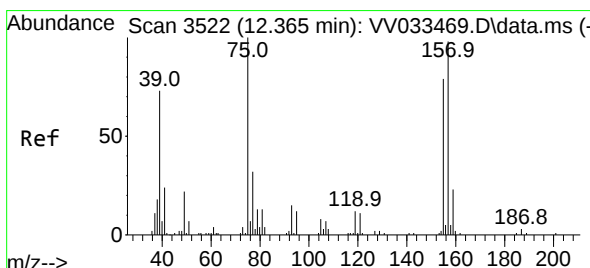
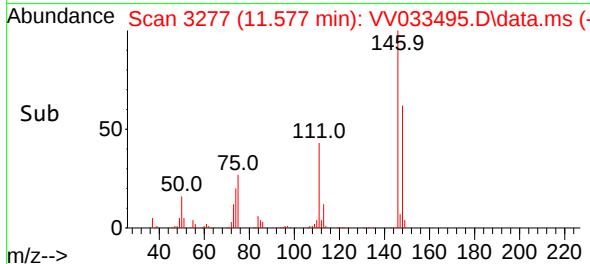
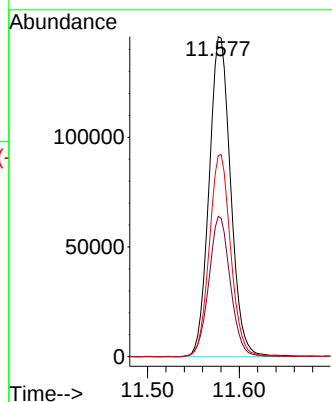
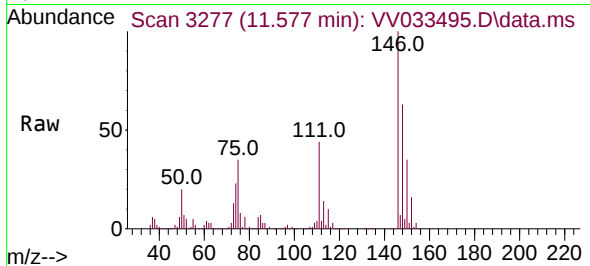




#67
1,2-Dichlorobenzene
Concen: 47.712 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

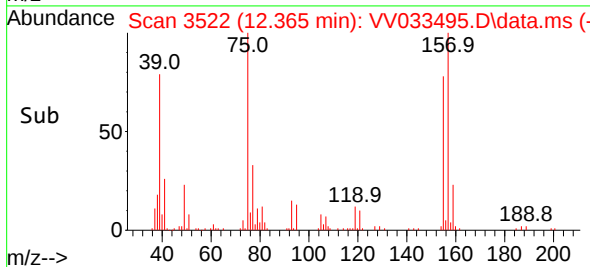
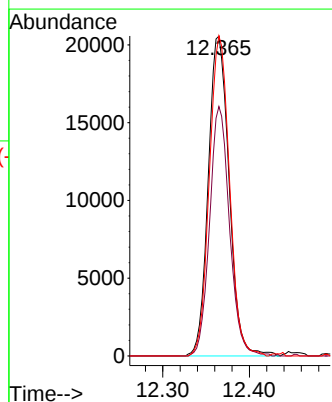
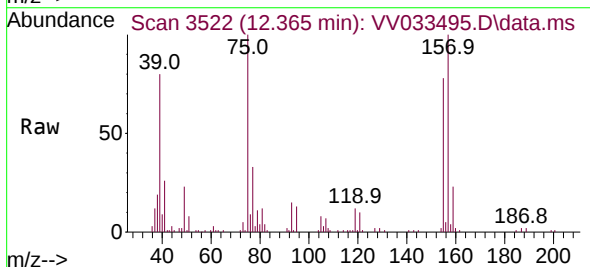
Instrument :
MSVOA_V
ClientSampleId :

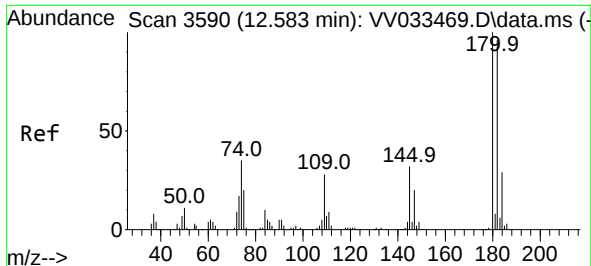
Tgt Ion:146 Resp: 237820
Ion Ratio Lower Upper
146 100
111 43.9 33.5 50.3
148 62.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 48.799 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033495.D
Acq: 19 Dec 2023 21:55

Tgt Ion: 75 Resp: 34378
Ion Ratio Lower Upper
75 100
155 78.0 69.4 104.0
157 100.0 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 45.947 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

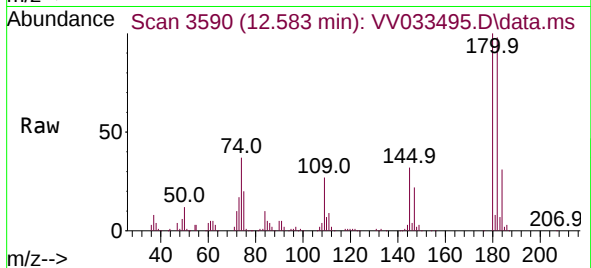
Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 152172

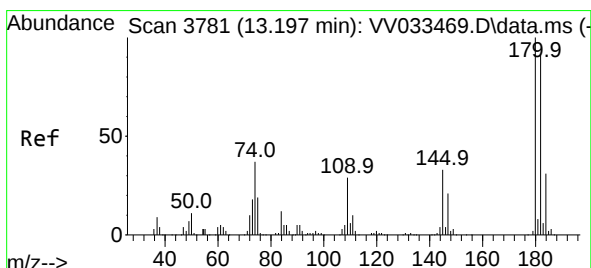
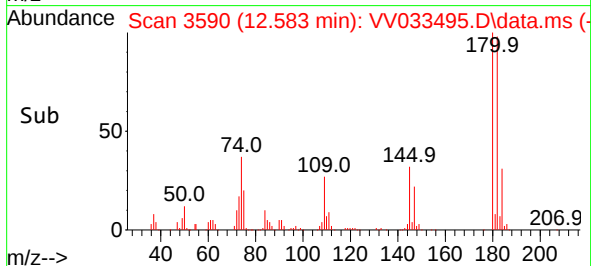
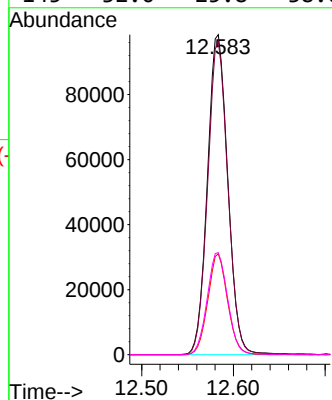
Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

184 30.4 24.4 36.6

145 32.0 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 46.605 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

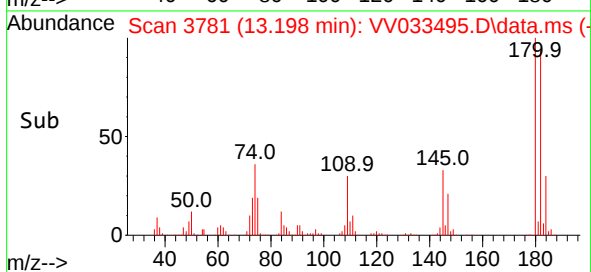
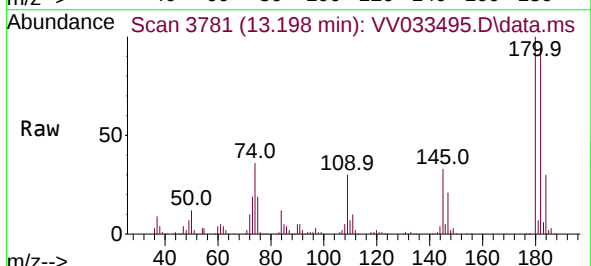
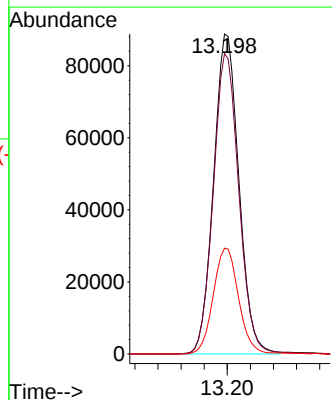
Tgt Ion:180 Resp: 134923

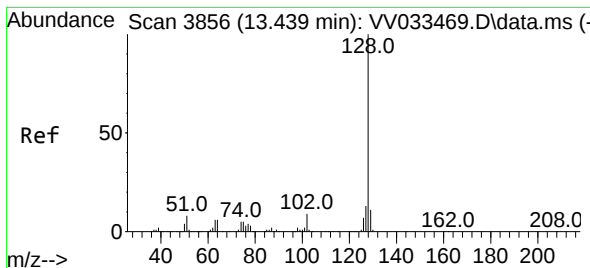
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 33.2 25.6 38.4





#71

Naphthalene

Concen: 50.086 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Instrument :

MSVOA_V

ClientSampleId :

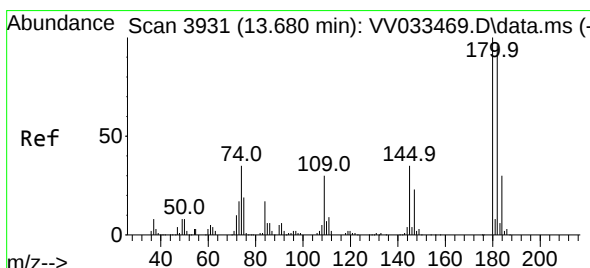
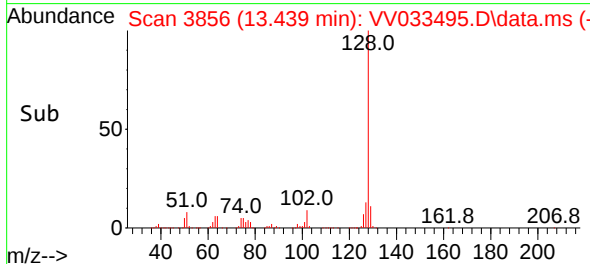
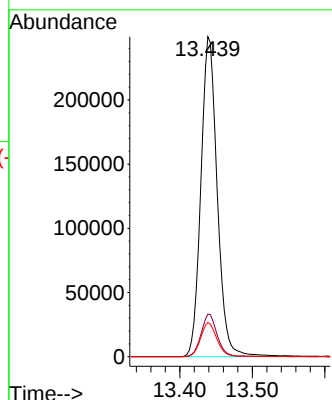
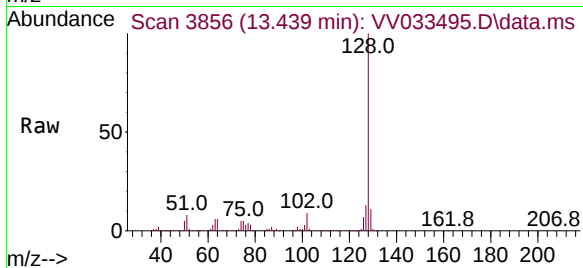
Tgt Ion:128 Resp: 390134

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.153 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033495.D

Acq: 19 Dec 2023 21:55

Tgt Ion:180 Resp: 139187

Ion Ratio Lower Upper

180 100

182 97.6 76.2 114.2

145 35.0 27.1 40.7

