

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VV033469.D
 Acq On : 19 Dec 2023 11:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 00:22:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	276617	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	283815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	153890	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	109547	51.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.860%
7) Chloroethane-d5	1.532	69	95988	50.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.420%
11) 1,1-Dichloroethene-d2	2.060	65	50359	47.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.980%
21) 2-Butanone-d5	3.783	46	103373	96.286	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.290%
24) Chloroform-d	4.246	84	192658	45.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.440%
26) 1,2-Dichloroethane-d4	4.937	65	122268	47.234	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.460%
32) Benzene-d6	4.957	84	368037	48.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
36) 1,2-Dichloropropane-d6	5.986	67	114625	49.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.820%
41) Toluene-d8	7.240	98	336765	48.148	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.300%
43) trans-1,3-Dichloroprop...	7.551	79	53578	47.123	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.240%
47) 2-Hexanone-d5	8.024	63	69506	89.074	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.070%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	150209	45.048	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.100%
66) 1,2-Dichlorobenzene-d4	11.561	152	128576	44.462	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	105554	46.446	ug/L	97
3) Chloromethane	1.214	50	107365	51.316	ug/L	98
5) Vinyl chloride	1.285	62	111646	49.776	ug/L	100
6) Bromomethane	1.484	94	73442	45.742	ug/L	99
8) Chloroethane	1.548	64	79412	52.445	ug/L	97
9) Trichlorofluoromethane	1.712	101	178570	45.402	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	108874	47.448	ug/L	97
12) 1,1-Dichloroethene	2.069	96	93917	48.180	ug/L	95
13) Acetone	2.111	43	129821	104.173	ug/L	99
14) Carbon disulfide	2.240	76	240554	48.291	ug/L	100
15) Methyl Acetate	2.372	43	96589	54.270	ug/L	93
16) Methylene chloride	2.446	84	105960	48.671	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	90862	49.315	ug/L	91
18) Methyl tert-butyl Ether	2.700	73	288630	51.585	ug/L	98
19) 1,1-Dichloroethane	3.108	63	187006	52.957	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	100211	47.970	ug/L	91
22) 2-Butanone	3.860	43	134180	109.287	ug/L	94
23) Bromochloromethane	4.143	128	54695	47.766	ug/L	92
25) Chloroform	4.272	83	200346	50.414	ug/L	99

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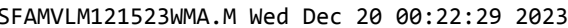
Instrument :
 MSVOA_V
 ClientSampleId :

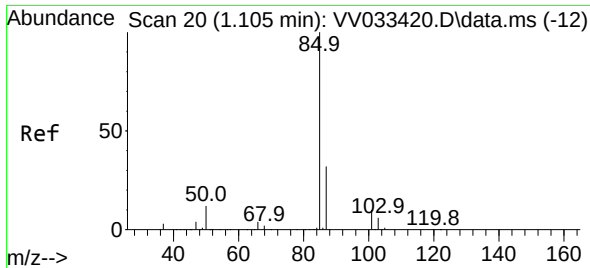
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	153356	50.063	ug/L	98
29) Cyclohexane	4.580	56	138206	54.029	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	169033	48.238	ug/L	99
31) Carbon tetrachloride	4.735	117	147164	46.927	ug/L	99
33) Benzene	5.008	78	401006	53.010	ug/L	100
34) Trichloroethene	5.831	95	105250	50.714	ug/L	95
35) Methylcyclohexane	6.050	83	152783	51.327	ug/L	94
37) 1,2-Dichloropropane	6.092	63	109550	53.399	ug/L	99
38) Bromodichloromethane	6.429	83	149799	50.733	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	159420	53.415	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	255095	116.519	ug/L	97
42) Toluene	7.313	91	433119	54.019	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	156832	52.367	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	107325	50.192	ug/L	98
46) Tetrachloroethene	7.905	164	76087	46.920	ug/L	99
48) 2-Hexanone	8.072	43	213054	116.678	ug/L	98
49) Dibromochloromethane	8.175	129	108087	47.804	ug/L	97
50) 1,2-Dibromoethane	8.281	107	108152	49.067	ug/L	99
51) Chlorobenzene	8.812	112	279683	48.403	ug/L	97
52) Ethylbenzene	8.944	91	472604	52.927	ug/L	97
53) m,p-Xylene	9.072	106	176722	52.677	ug/L	95
54) o-Xylene	9.477	106	168732	51.797	ug/L	94
55) Styrene	9.493	104	318191	55.347	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.175	83	162008	49.332	ug/L	99
59) Bromoform	9.664	173	73283	46.158	ug/L	97
60) Isopropylbenzene	9.866	105	464283	53.128	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	125846	51.021	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	355557	53.684	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	372260	54.118	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	227922	50.182	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	233882	47.845	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	232866	49.259	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	31244	46.762	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	156683	49.882	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	133732	48.706	ug/L	98
71) Naphthalene	13.439	128	356084	48.201	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	139290	51.864	ug/L	99

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

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Response via : Initial Calibration

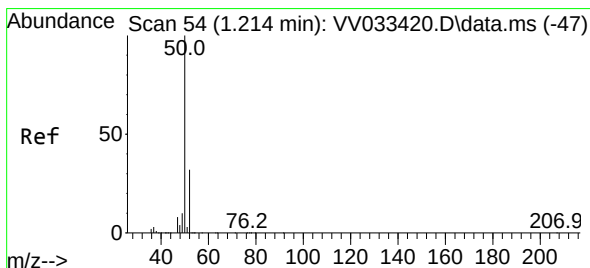
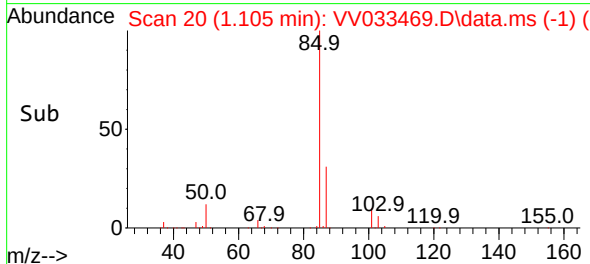
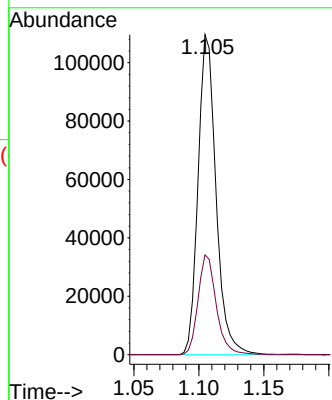
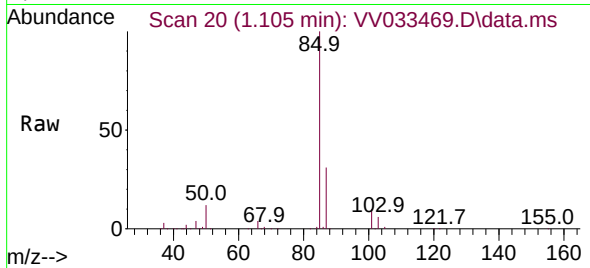




#2
 Dichlorodifluoromethane
 Concen: 46.446 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033469.D
 Acq: 19 Dec 2023 11:43

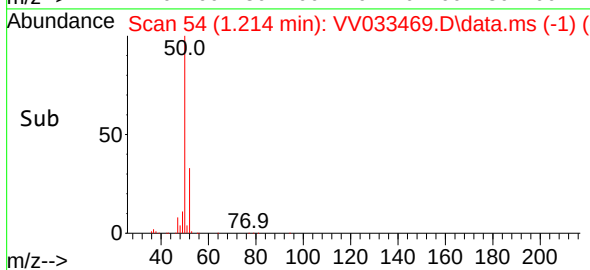
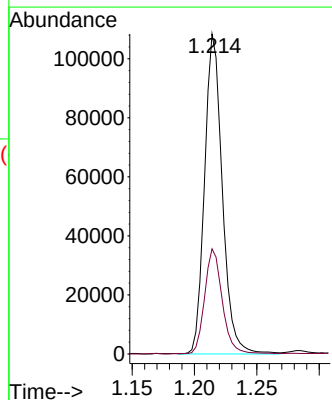
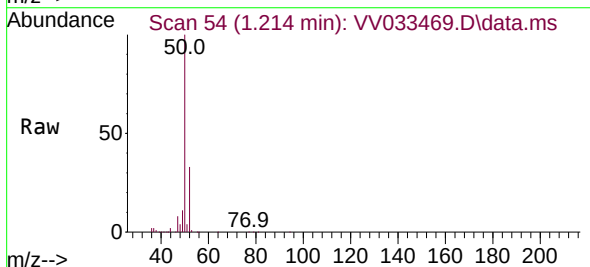
Instrument :
 MSVOA_V
 ClientSampleId :

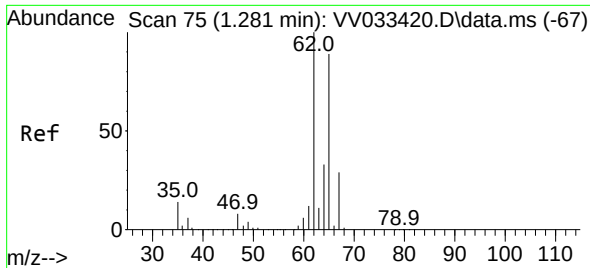
Tgt Ion: 85 Resp: 105554
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.6 39.8



#3
 Chloromethane
 Concen: 51.316 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033469.D
 Acq: 19 Dec 2023 11:43

Tgt Ion: 50 Resp: 107365
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5

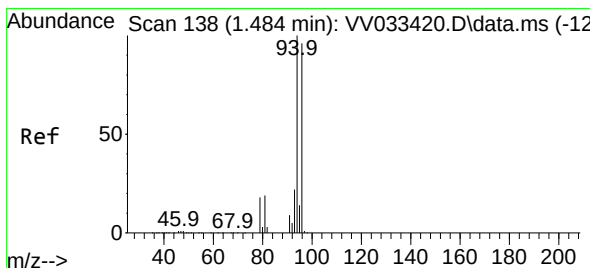
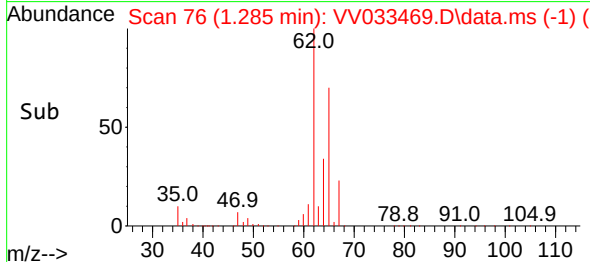
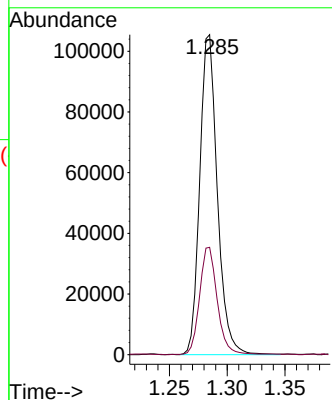
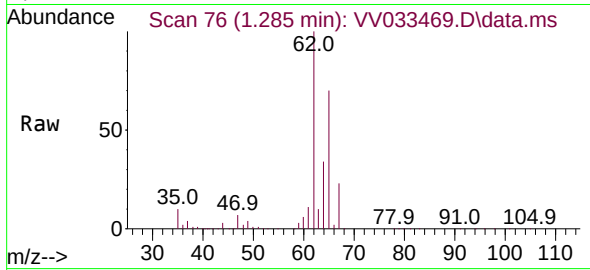




#5
 Vinyl chloride
 Concen: 49.776 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033469.D
 Acq: 19 Dec 2023 11:43

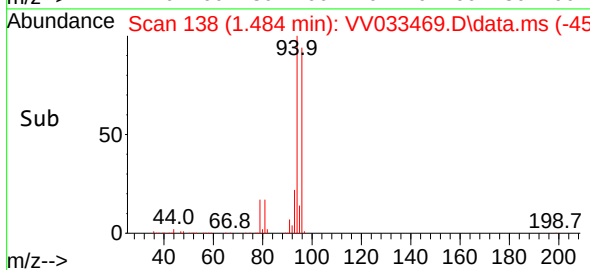
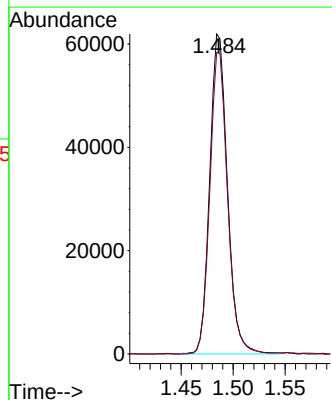
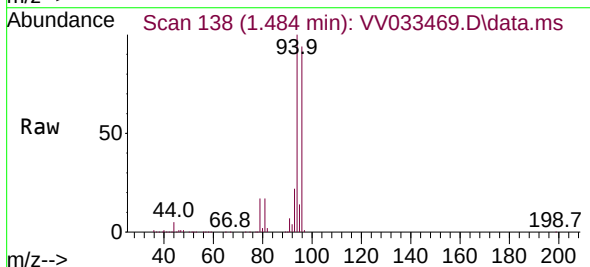
Instrument :
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 ClientSampleId :

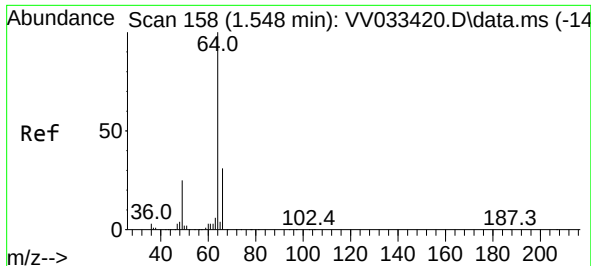
Tgt Ion: 62 Resp: 111646
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.4 43.6



#6
 Bromomethane
 Concen: 45.742 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033469.D
 Acq: 19 Dec 2023 11:43

Tgt Ion: 94 Resp: 73442
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.1 120.9

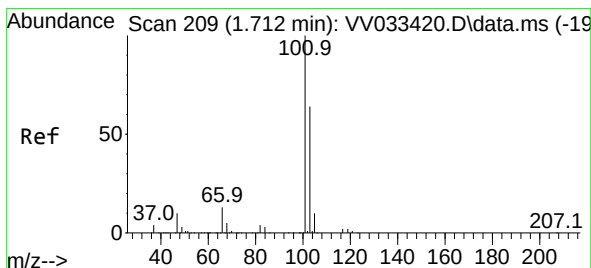
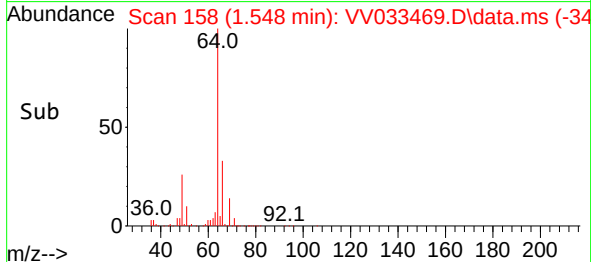
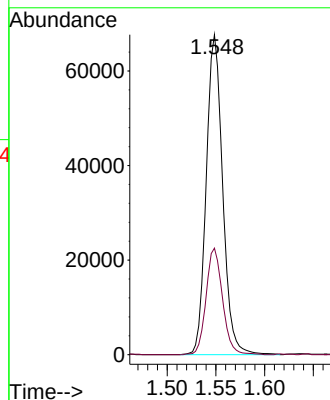
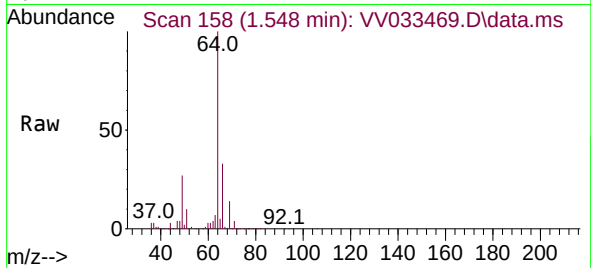




#8
Chloroethane
Concen: 52.445 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

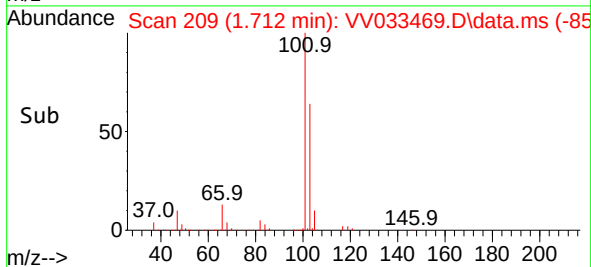
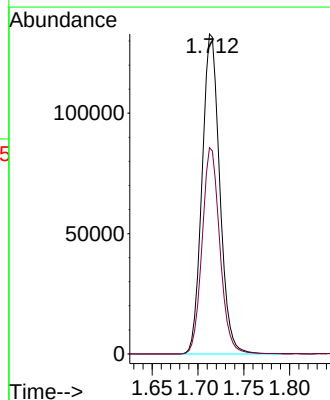
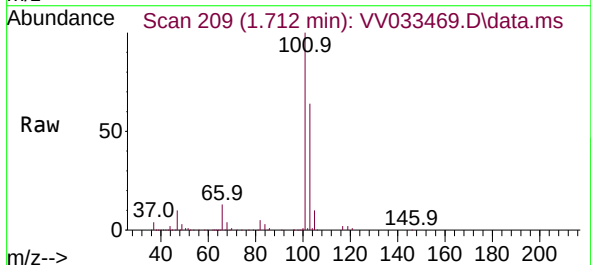
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ClientSampleId :

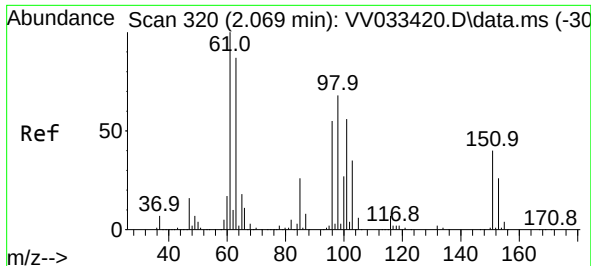
Tgt Ion: 64 Resp: 79412
Ion Ratio Lower Upper
64 100
66 33.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.402 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion:101 Resp: 178570
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4





#10

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

Concen: 47.448 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

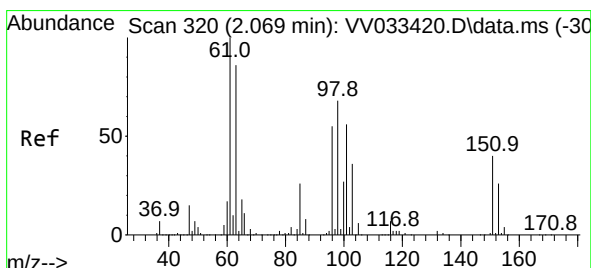
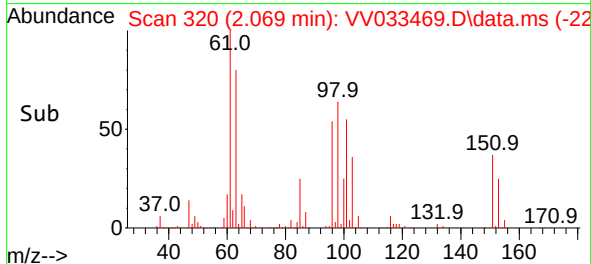
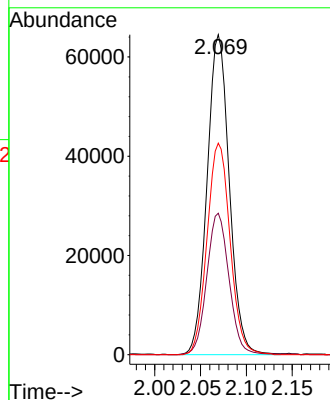
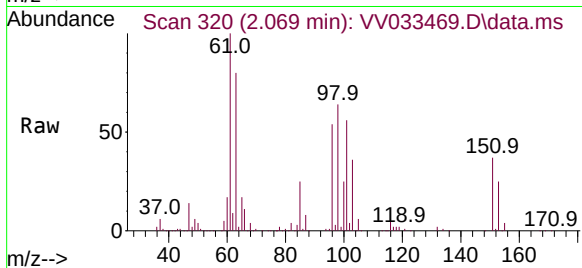
Tgt Ion:101 Resp: 108874

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: 48.180 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

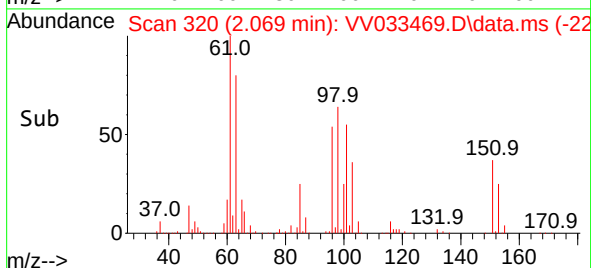
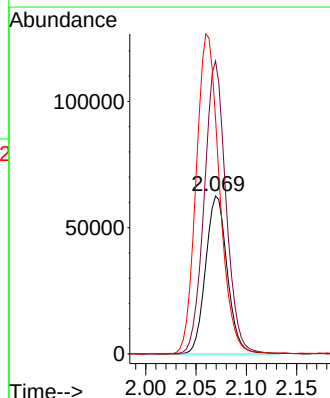
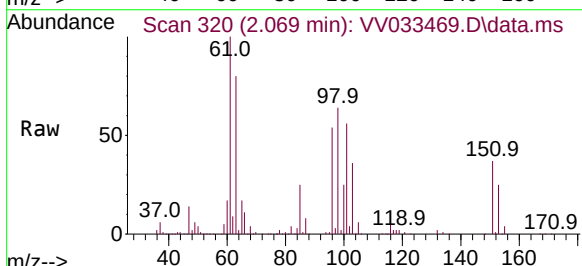
Tgt Ion: 96 Resp: 93917

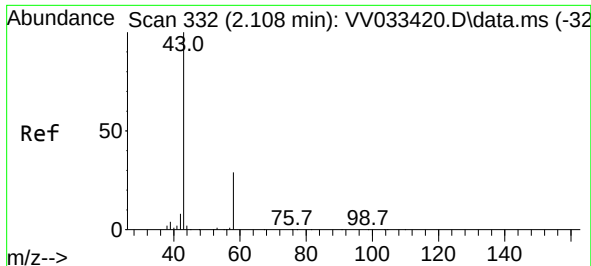
Ion Ratio Lower Upper

96 100

61 185.5 124.3 230.8

63 149.1 108.1 200.7





#13

Acetone

Concen: 104.173 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

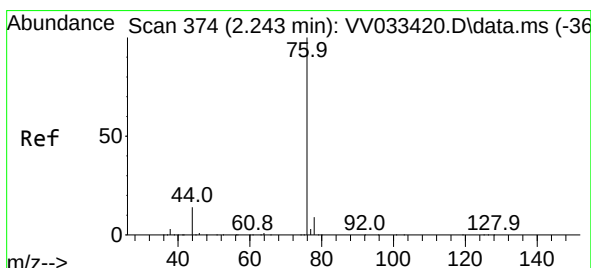
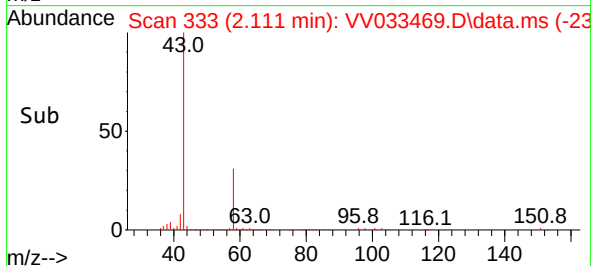
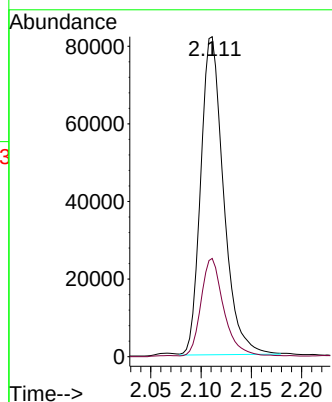
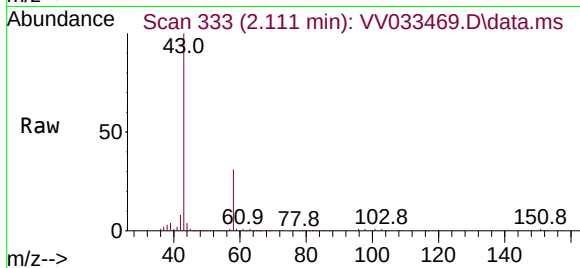
ClientSampleId :

Tgt Ion: 43 Resp: 129821

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.2



#14

Carbon disulfide

Concen: 48.291 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033469.D

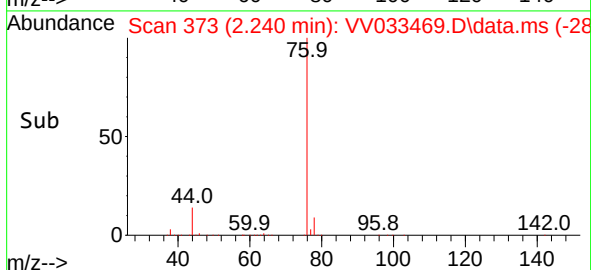
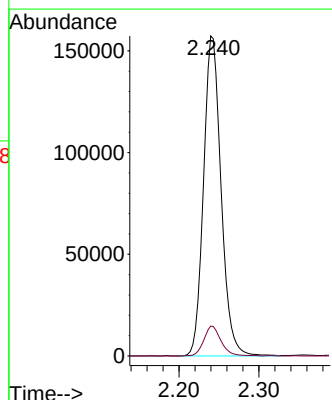
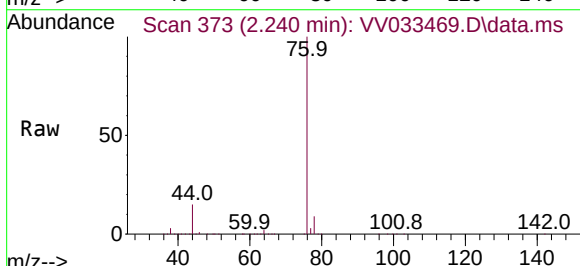
Acq: 19 Dec 2023 11:43

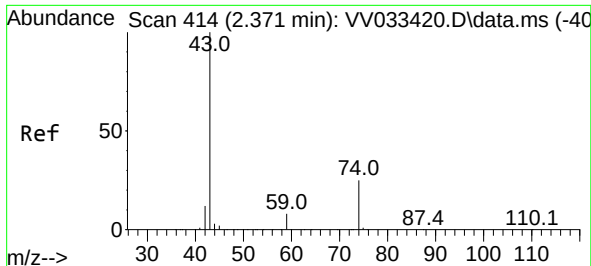
Tgt Ion: 76 Resp: 240554

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

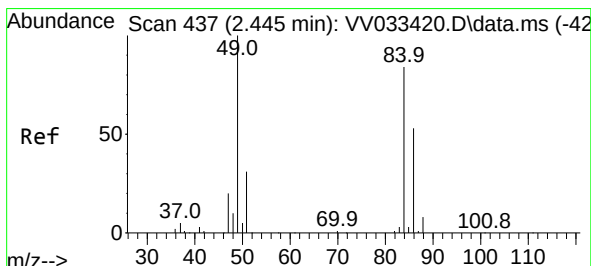
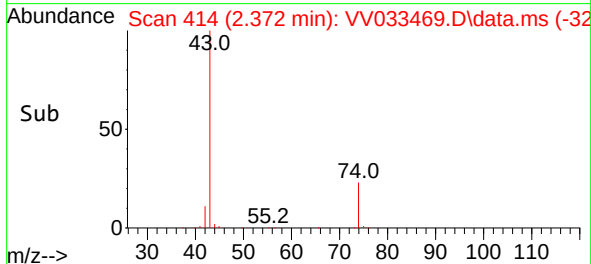
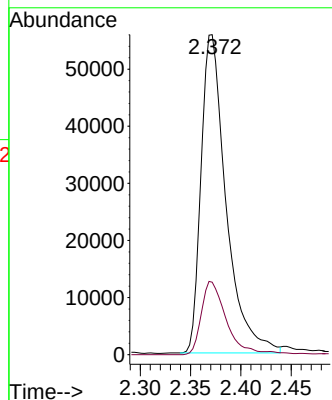
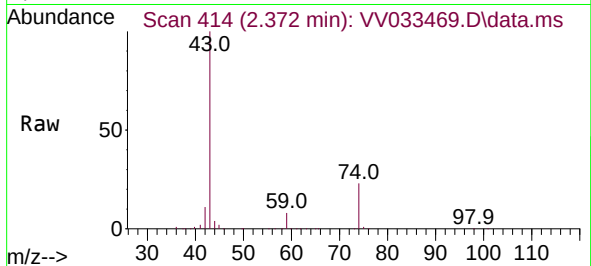




#15
Methyl Acetate
Concen: 54.270 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

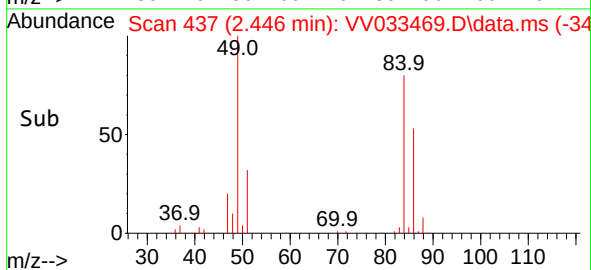
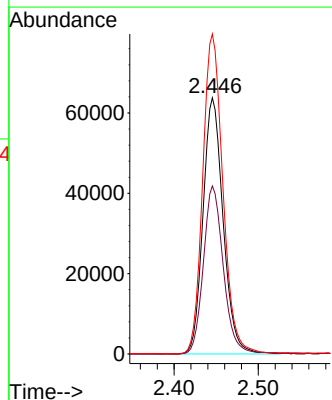
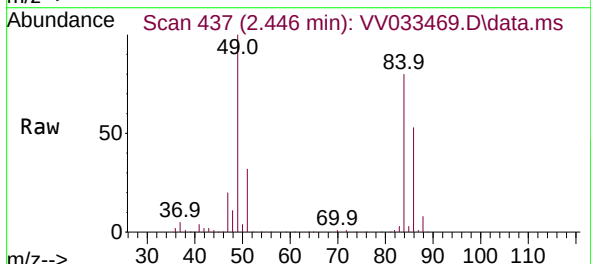
Instrument :
MSVOA_V
ClientSampleId :

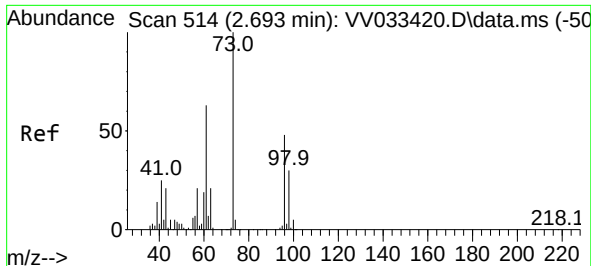
Tgt Ion: 43 Resp: 96589
Ion Ratio Lower Upper
43 100
74 22.4 20.8 31.2



#16
Methylene chloride
Concen: 48.671 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion: 84 Resp: 105960
Ion Ratio Lower Upper
84 100
86 65.6 45.4 84.2
49 124.9 83.3 154.7

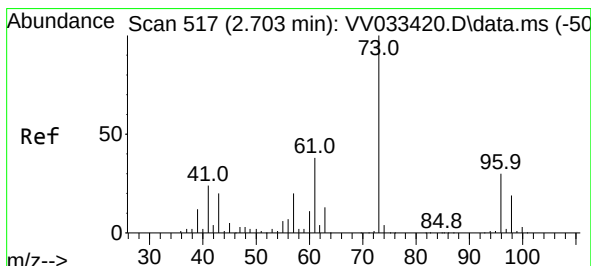
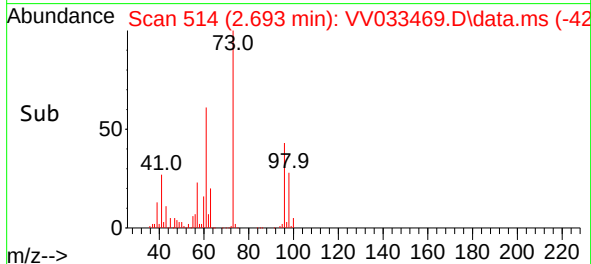
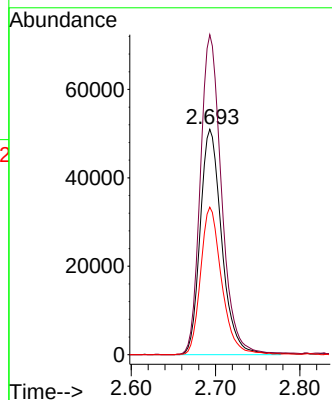
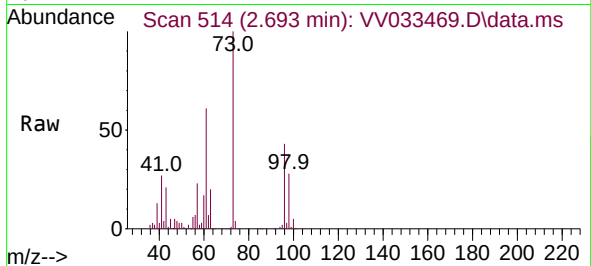




#17
trans-1,2-Dichloroethene
Concen: 49.315 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

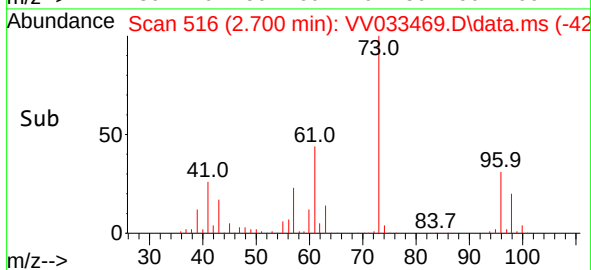
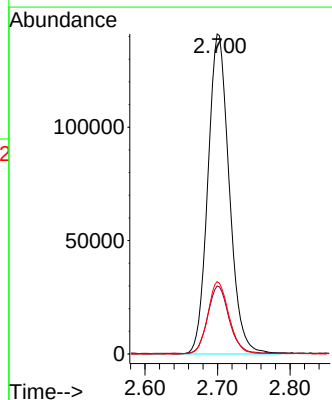
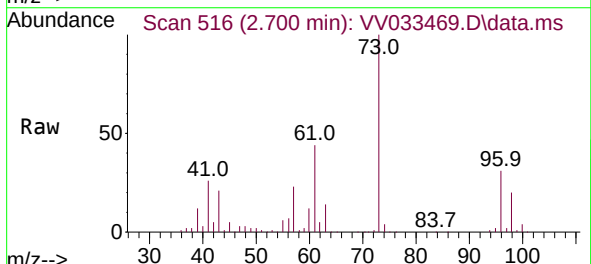
Instrument :
MSVOA_V
ClientSampleId :

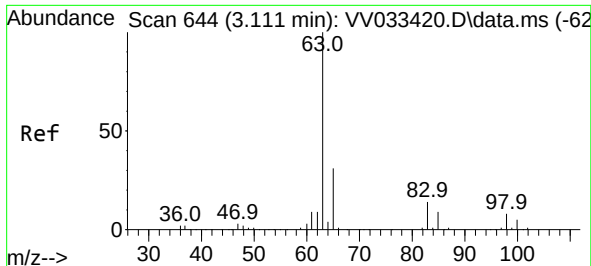
Tgt Ion: 96 Resp: 90862
Ion Ratio Lower Upper
96 100
61 142.0 89.6 166.4
98 65.5 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 51.585 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion: 73 Resp: 288630
Ion Ratio Lower Upper
73 100
43 21.1 16.3 24.5
57 22.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 52.957 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

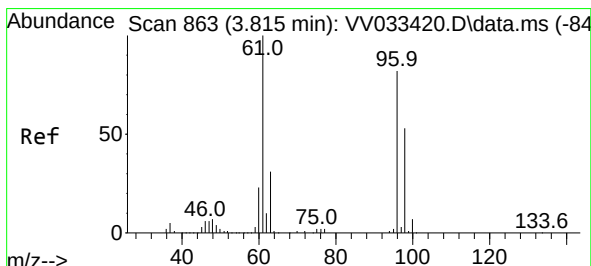
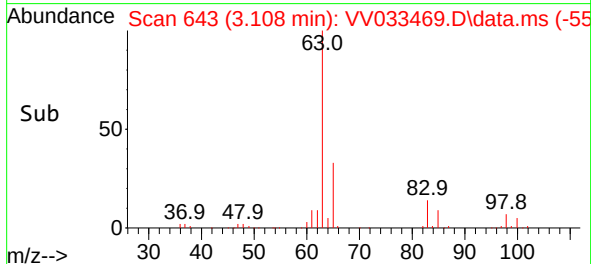
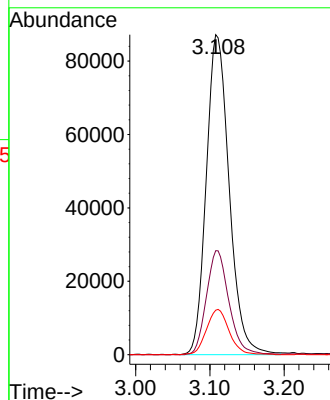
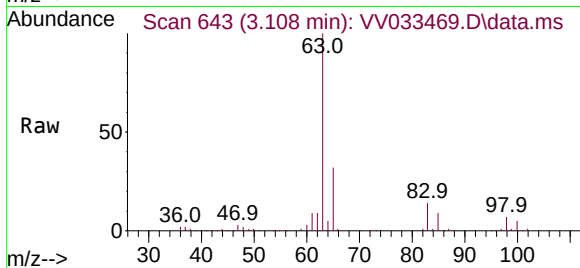
Tgt Ion: 63 Resp: 187006

Ion Ratio Lower Upper

63 100

65 32.5 21.1 39.3

83 13.9 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 47.970 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

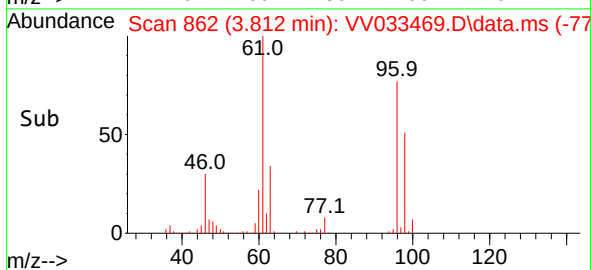
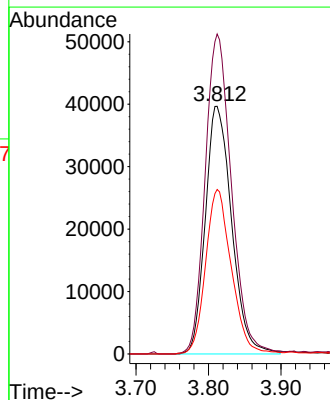
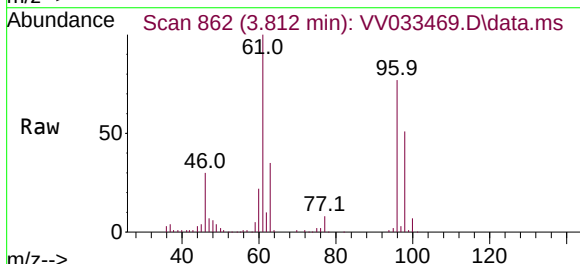
Tgt Ion: 96 Resp: 100211

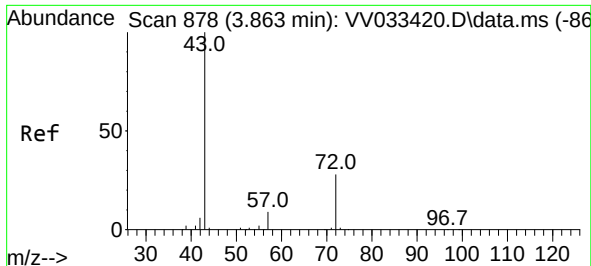
Ion Ratio Lower Upper

96 100

61 129.2 81.9 152.1

98 66.4 44.3 82.3

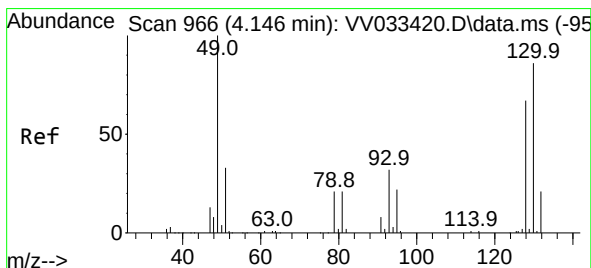
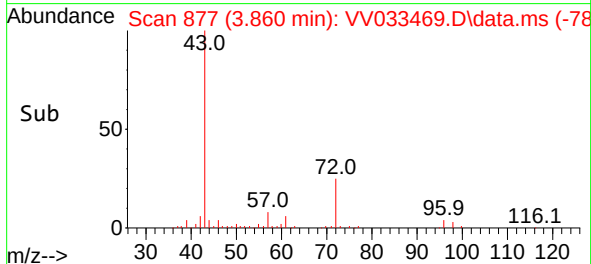
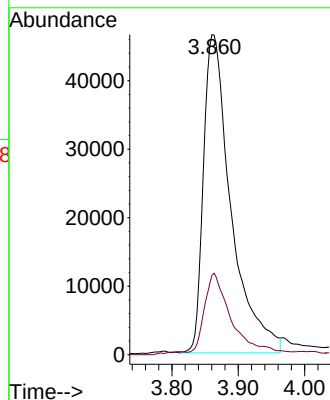
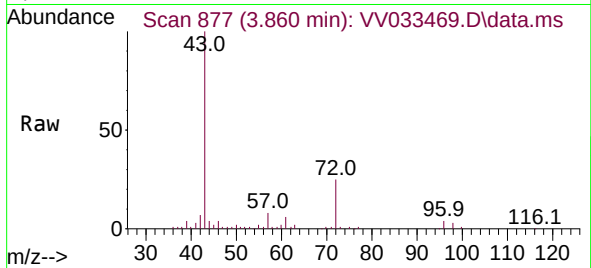




#22
2-Butanone
Concen: 109.287 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

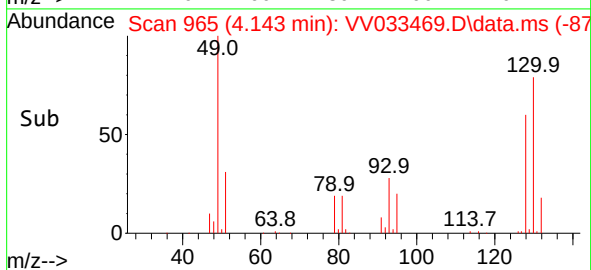
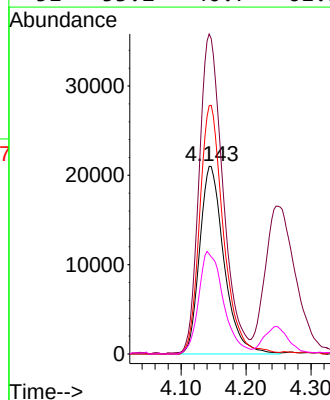
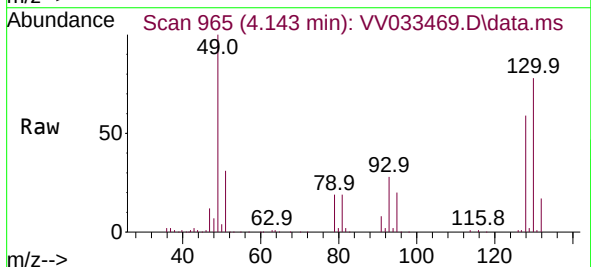
Instrument :
MSVOA_V
ClientSampleId :

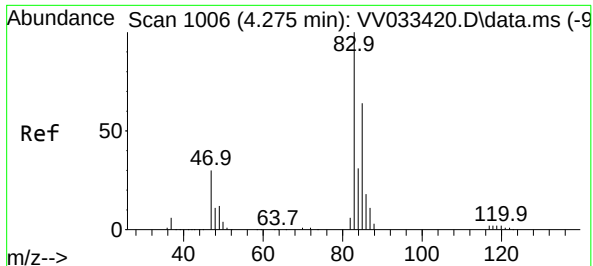
Tgt Ion: 43 Resp: 134180
Ion Ratio Lower Upper
43 100
72 22.1 12.4 37.4



#23
Bromochloromethane
Concen: 47.766 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion:128 Resp: 54695
Ion Ratio Lower Upper
128 100
49 170.5 106.0 196.9
130 132.3 93.6 173.8
51 53.2 40.7 61.1





#25

Chloroform

Concen: 50.414 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

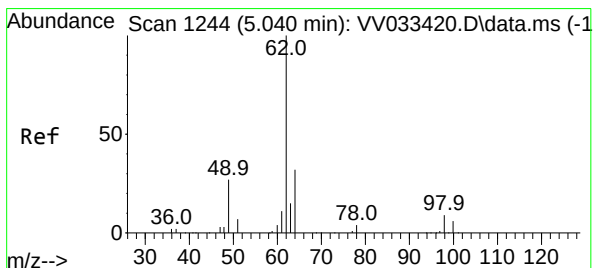
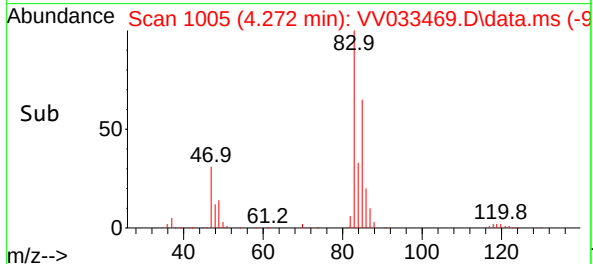
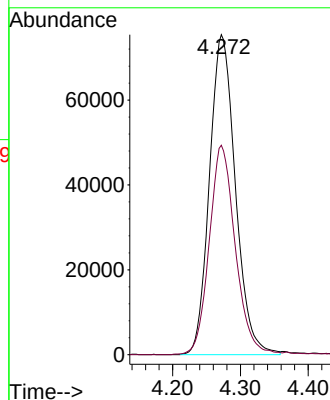
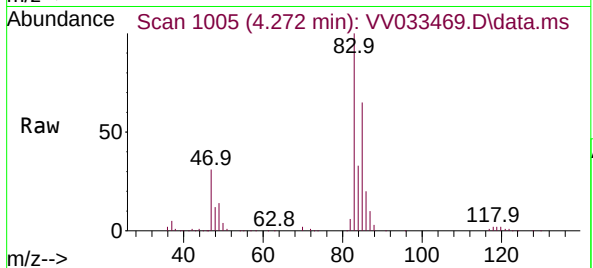
ClientSampleId :

Tgt Ion: 83 Resp: 200346

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



#27

1,2-Dichloroethane

Concen: 50.063 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033469.D

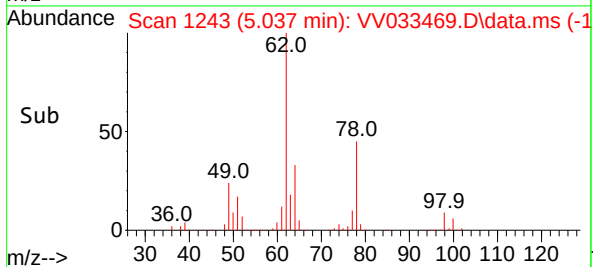
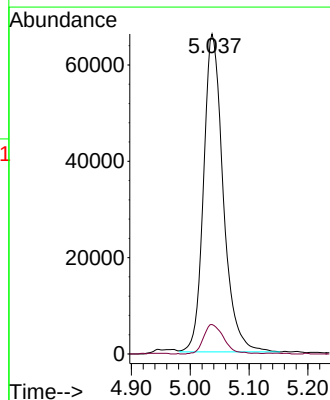
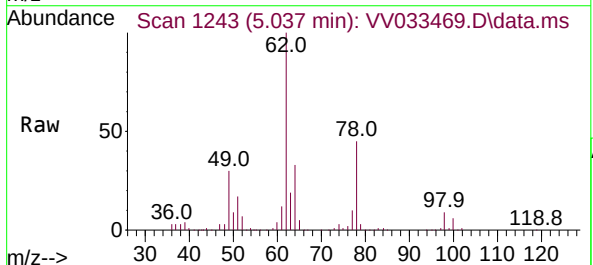
Acq: 19 Dec 2023 11:43

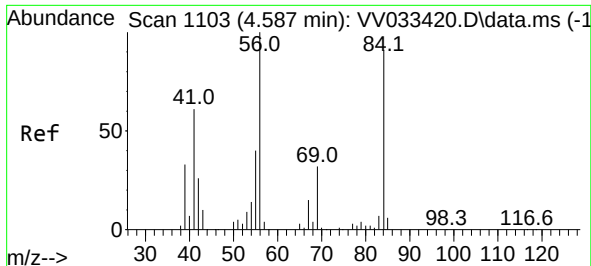
Tgt Ion: 62 Resp: 153356

Ion Ratio Lower Upper

62 100

98 9.2 8.0 12.0





#29

Cyclohexane

Concen: 54.029 ug/L

RT: 4.580 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

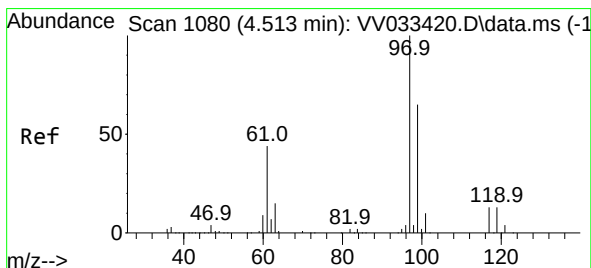
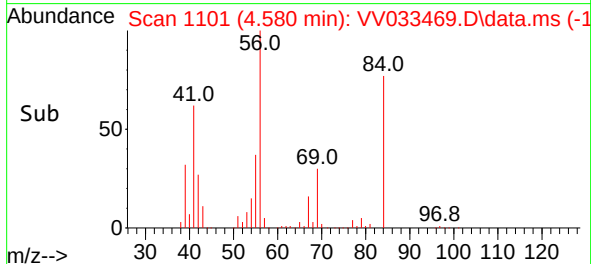
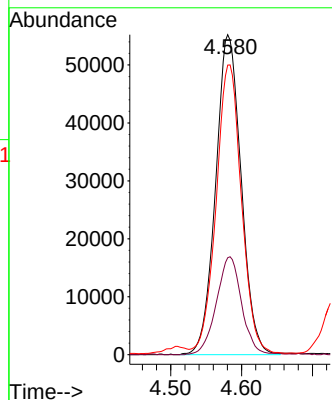
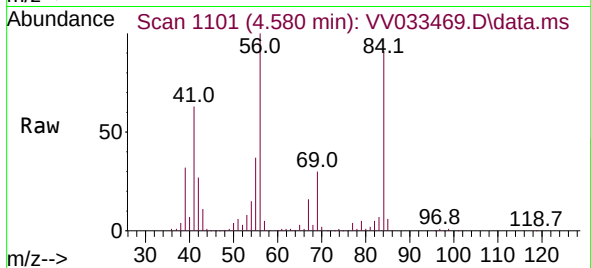
Tgt Ion: 56 Resp: 138206

Ion Ratio Lower Upper

56 100

69 30.2 25.8 38.6

84 89.1 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 48.238 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

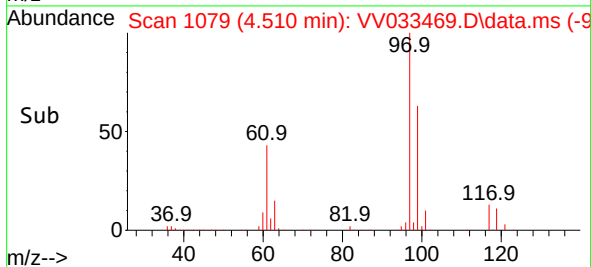
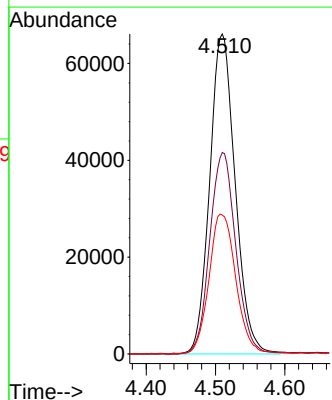
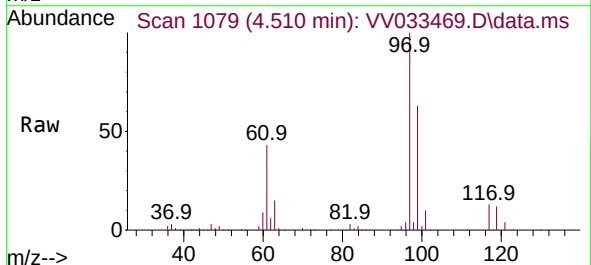
Tgt Ion: 97 Resp: 169033

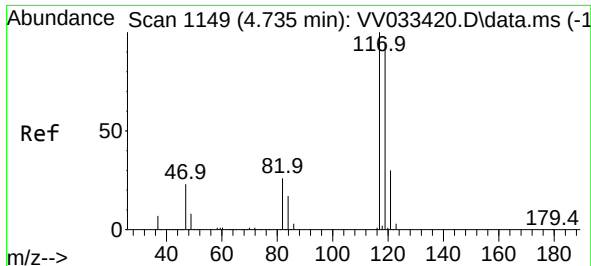
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 45.7 34.8 52.2

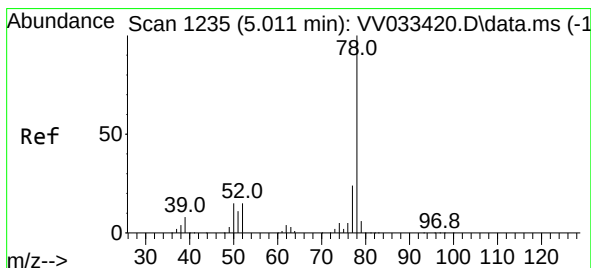
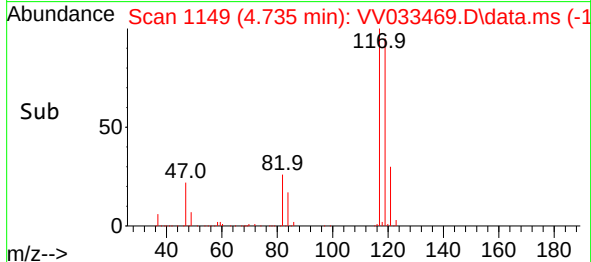
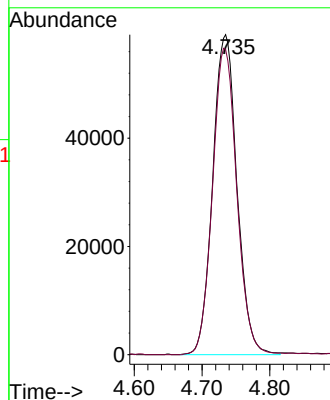
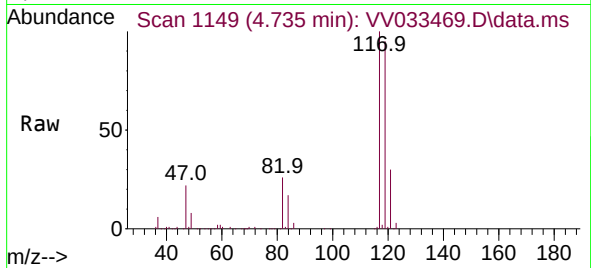




#31
Carbon tetrachloride
Concen: 46.927 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

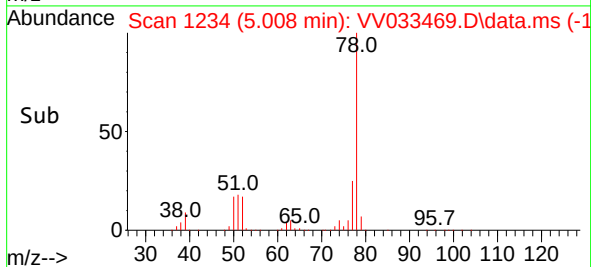
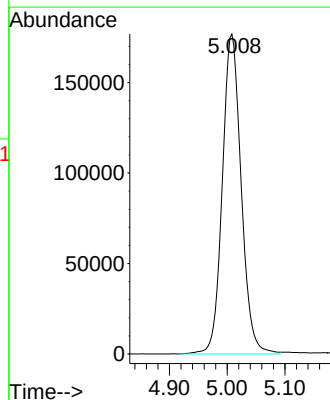
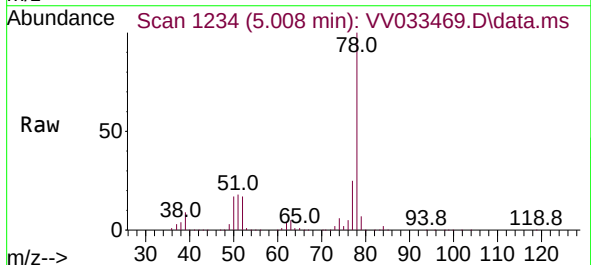
Instrument :
MSVOA_V
ClientSampleId :

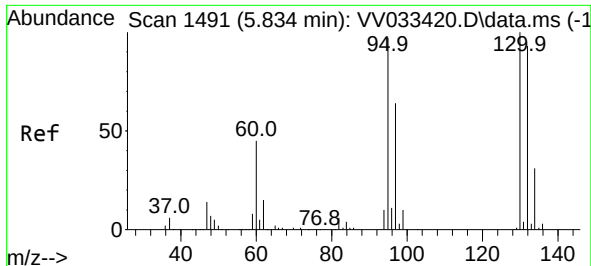
Tgt Ion:117 Resp: 147164
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6



#33
Benzene
Concen: 53.010 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion: 78 Resp: 401006

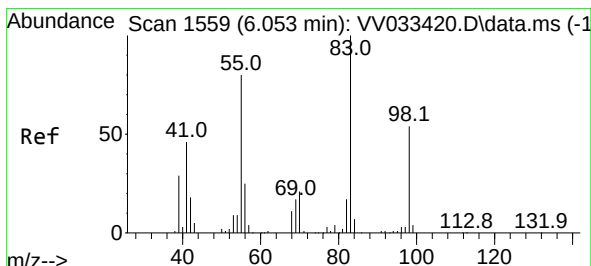
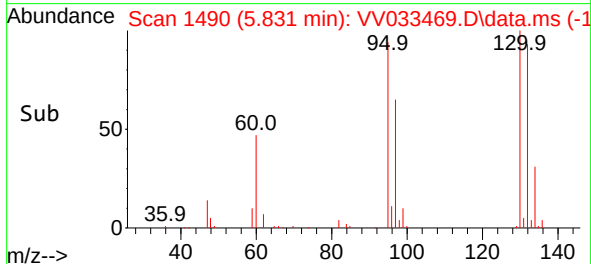
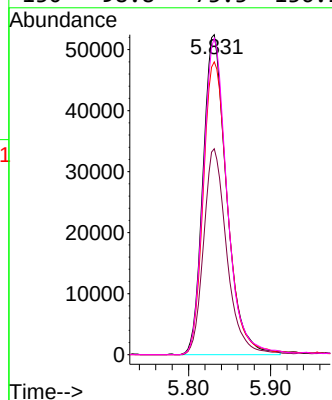
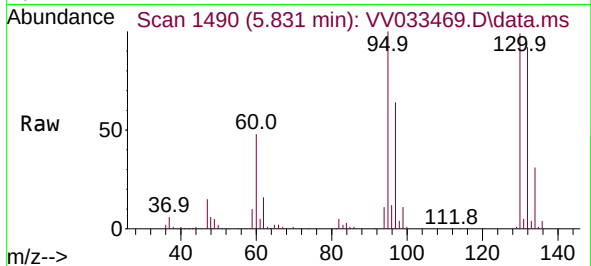




#34
Trichloroethene
Concen: 50.714 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

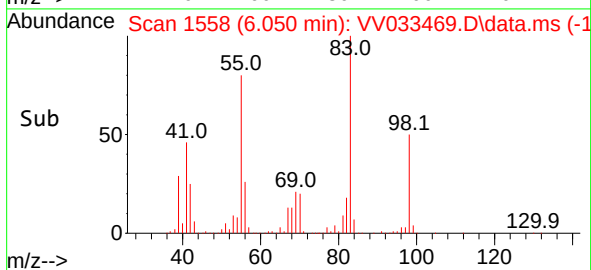
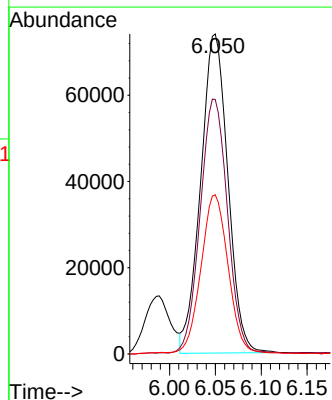
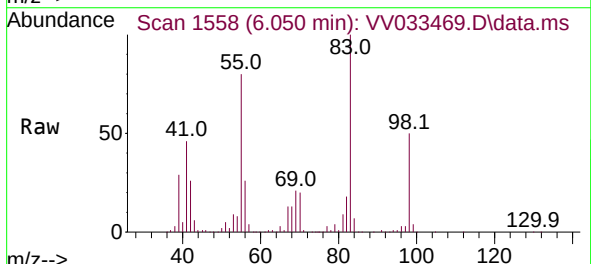
Instrument :
MSVOA_V
ClientSampleId :

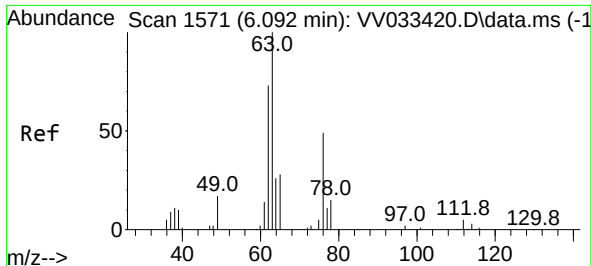
Tgt Ion: 95 Resp: 105250
Ion Ratio Lower Upper
95 100
97 64.3 44.8 83.2
132 91.5 69.9 129.7
130 98.8 73.3 136.1



#35
Methylcyclohexane
Concen: 51.327 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion: 83 Resp: 152783
Ion Ratio Lower Upper
83 100
55 79.6 58.6 88.0
98 48.9 40.9 61.3





#37

1,2-Dichloropropane

Concen: 53.399 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

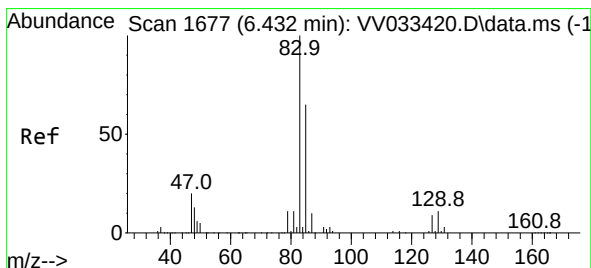
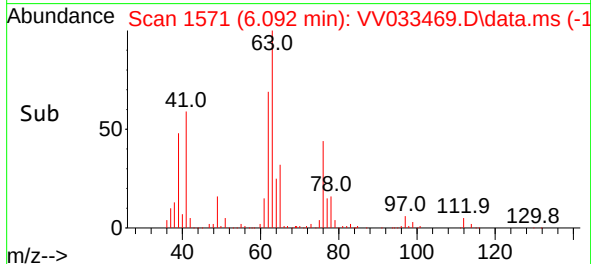
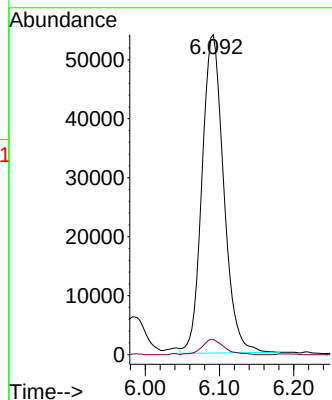
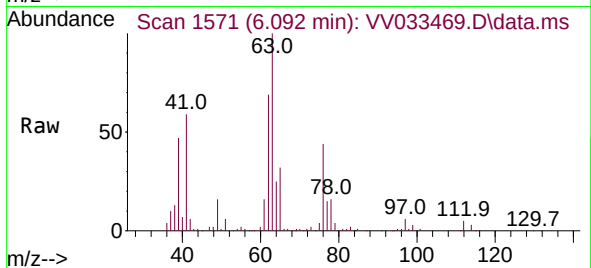
ClientSampleId :

Tgt Ion: 63 Resp: 109550

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5



#38

Bromodichloromethane

Concen: 50.733 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

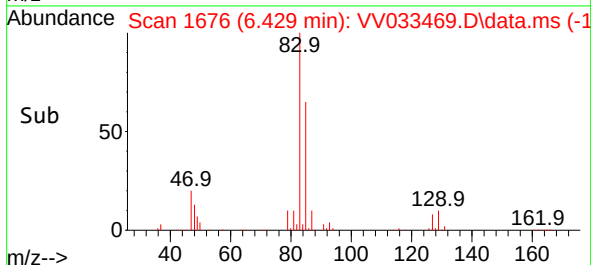
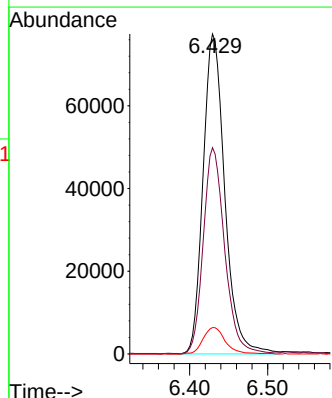
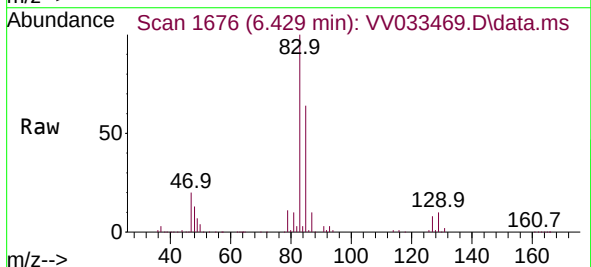
Tgt Ion: 83 Resp: 149799

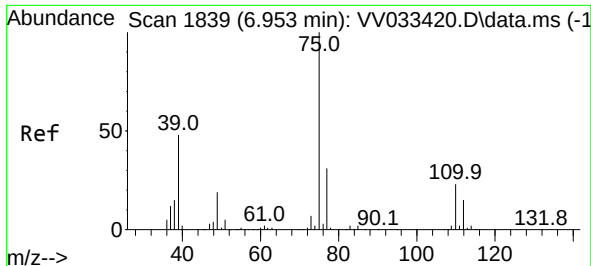
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

127 8.3 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 53.415 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

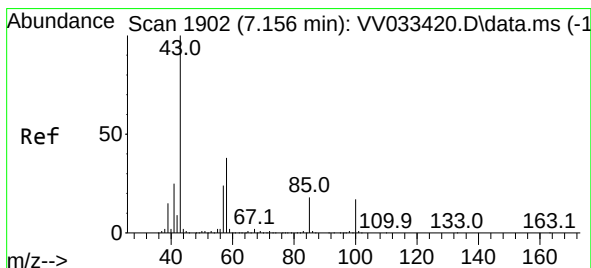
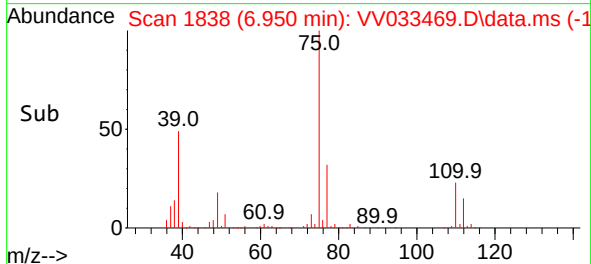
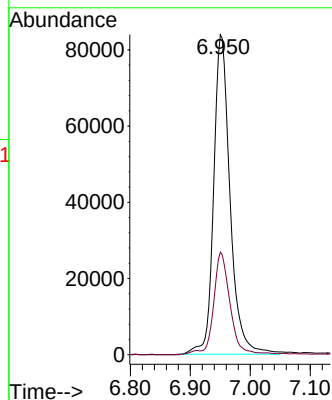
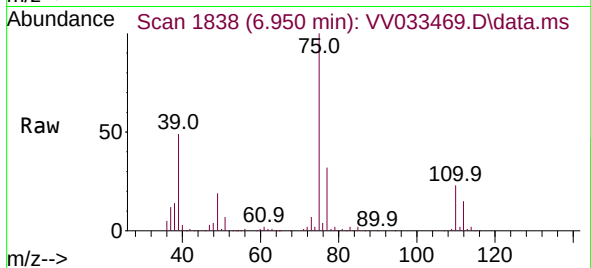
ClientSampleId :

Tgt Ion: 75 Resp: 159420

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 116.519 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

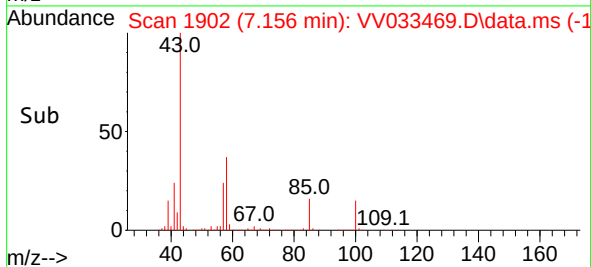
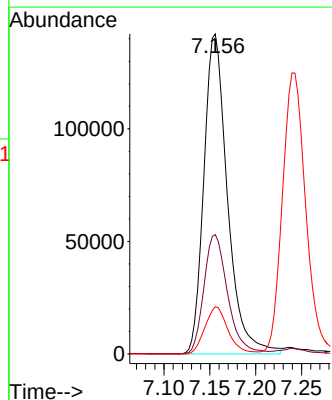
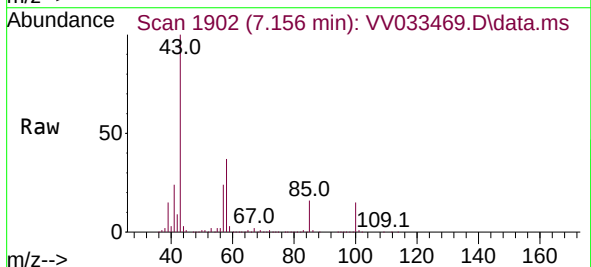
Tgt Ion: 43 Resp: 255095

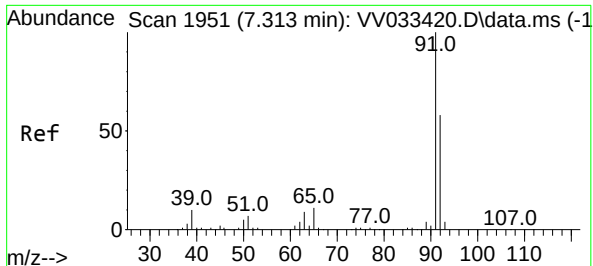
Ion Ratio Lower Upper

43 100

58 37.5 30.7 46.1

100 14.5 13.6 20.4





#42

Toluene

Concen: 54.019 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

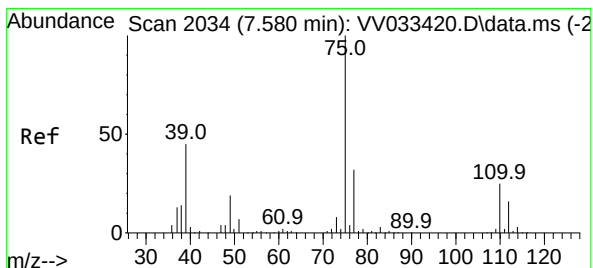
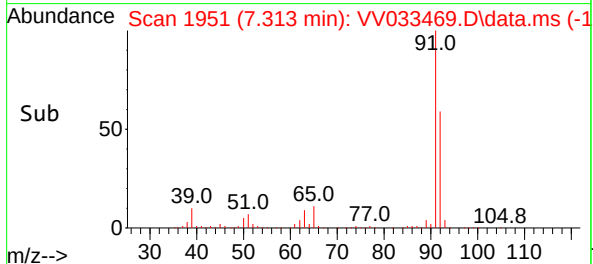
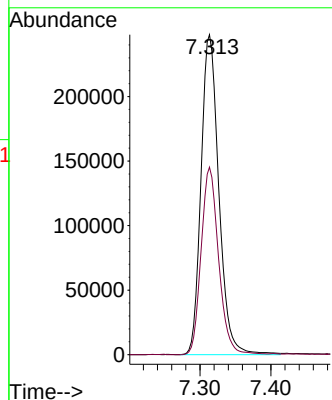
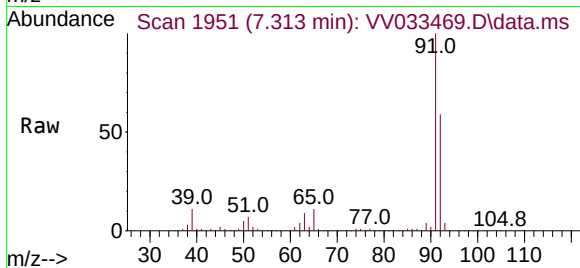
ClientSampleId :

Tgt Ion: 91 Resp: 433119

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.367 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033469.D

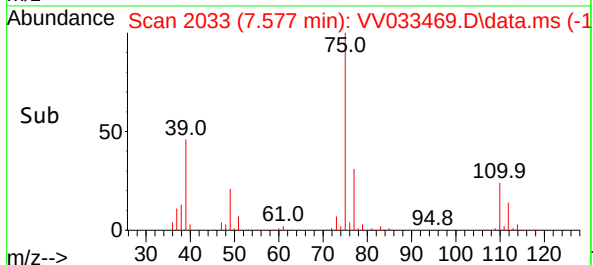
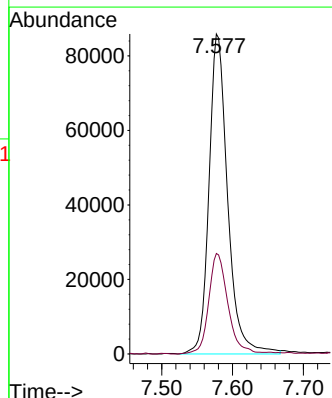
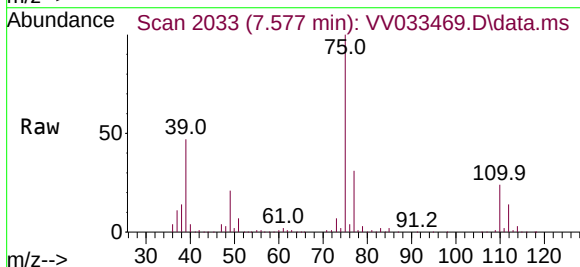
Acq: 19 Dec 2023 11:43

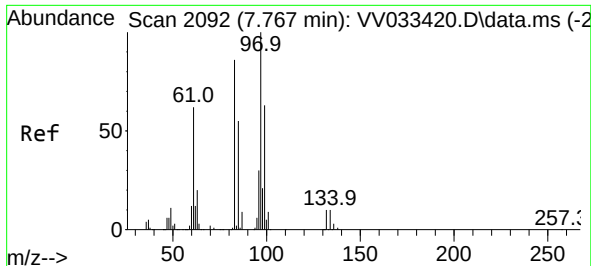
Tgt Ion: 75 Resp: 156832

Ion Ratio Lower Upper

75 100

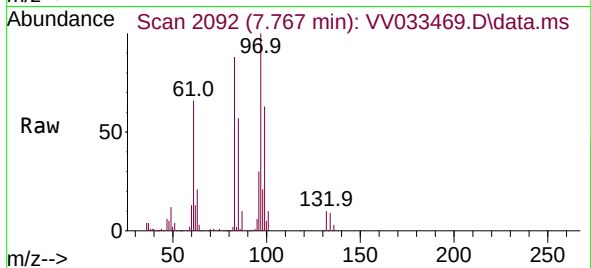
77 31.4 22.4 41.6



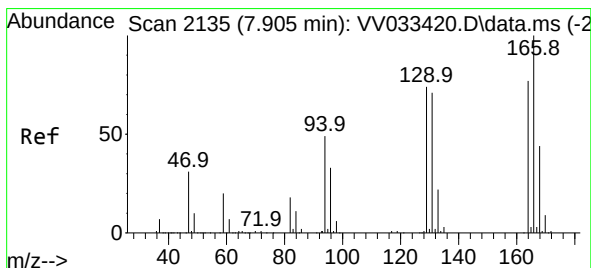
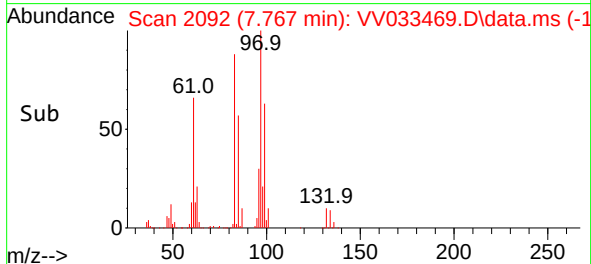
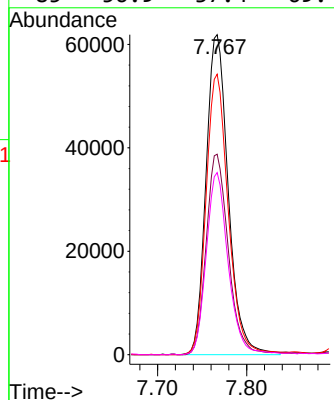


#45
1,1,2-Trichloroethane
Concen: 50.192 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Instrument :
MSVOA_V
ClientSampleId :

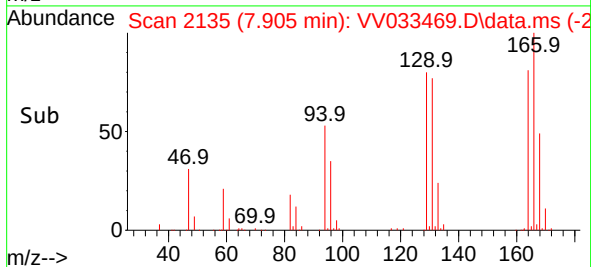
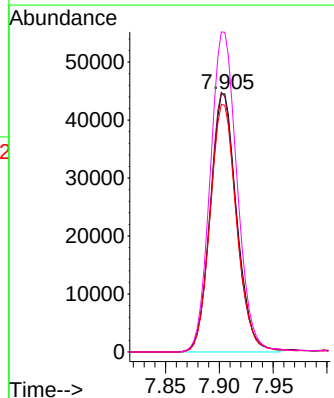
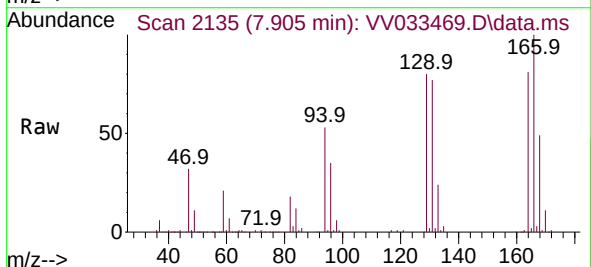


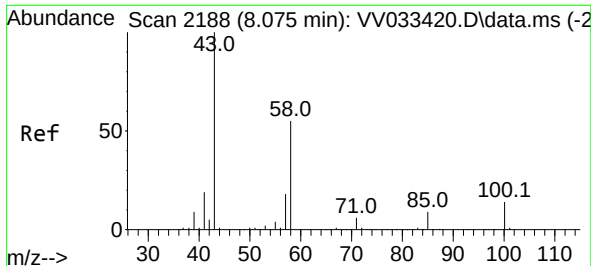
Tgt Ion: 97	Resp: 107325
Ion Ratio	Lower Upper
97 100	
99 62.6	43.5 80.7
83 87.7	61.0 113.4
85 56.9	37.4 69.4



#46
Tetrachloroethene
Concen: 46.920 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt	Ion:164	Resp:	76087
Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.9	127.9
131	95.5	65.3	121.3
166	123.8	86.9	161.3



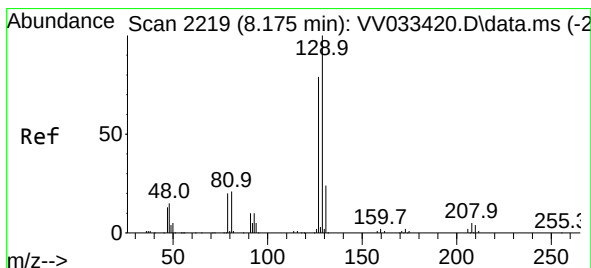
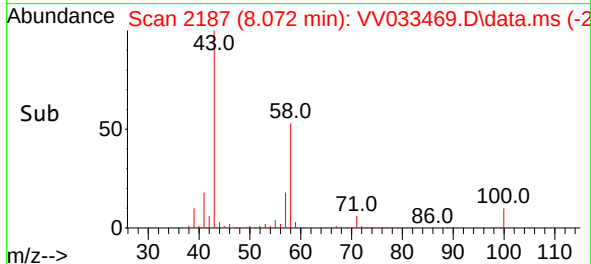
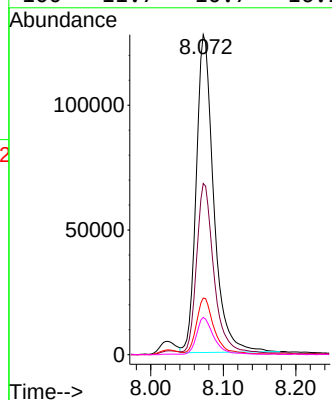
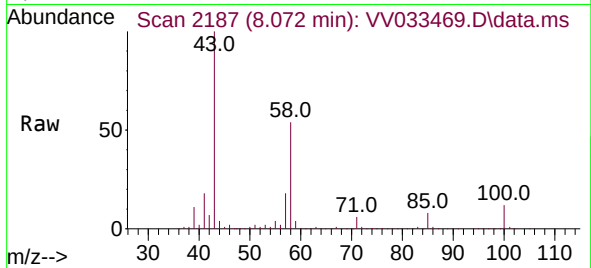


#48
2-Hexanone
Concen: 116.678 ug/L
RT: 8.072 min Scan# 2188
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 213054

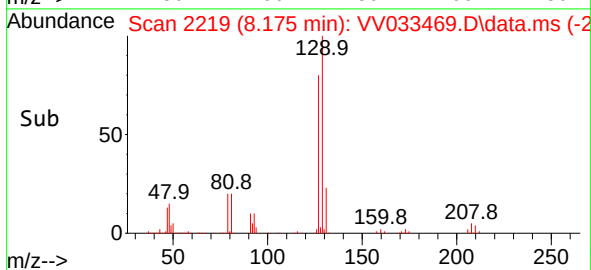
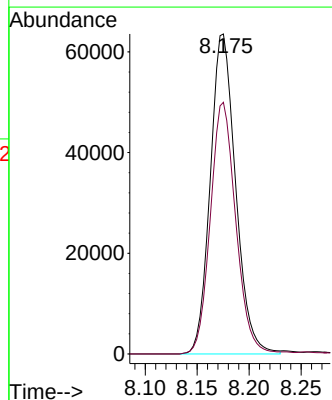
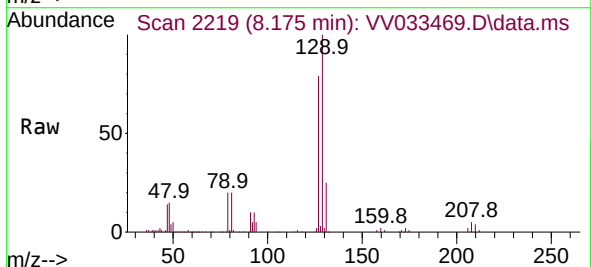
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.0	64.6
57	18.2	14.7	22.1
100	11.7	10.7	16.1

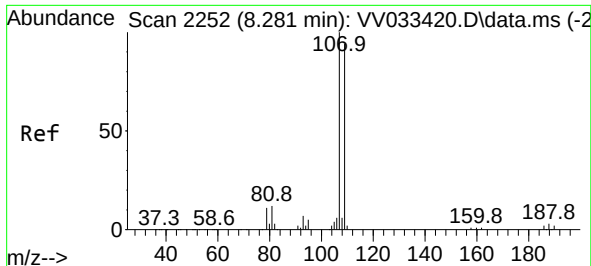


#49
Dibromochloromethane
Concen: 47.804 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion: 129 Resp: 108087

Ion	Ratio	Lower	Upper
129	100		
127	78.6	53.3	98.9





#50

1,2-Dibromoethane

Concen: 49.067 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

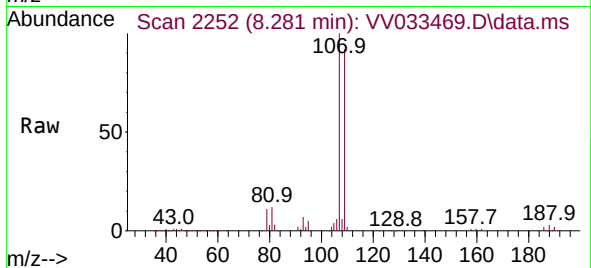
Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :



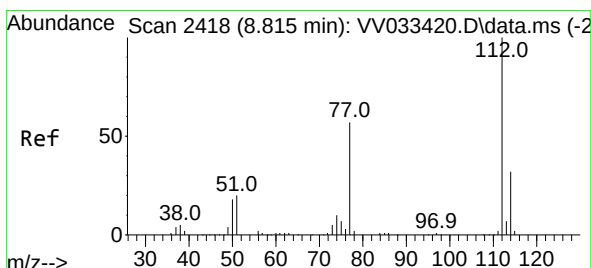
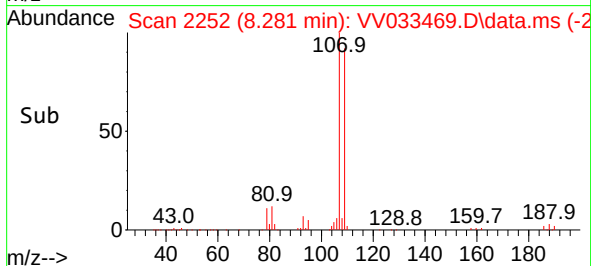
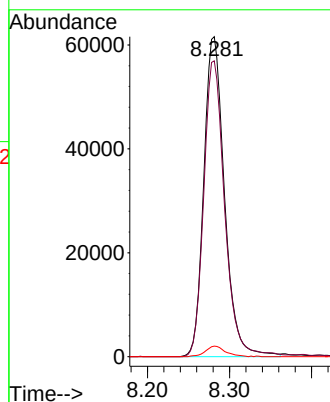
Tgt Ion:107 Resp: 108152

Ion Ratio Lower Upper

107 100

109 92.4 64.2 119.2

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 48.403 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

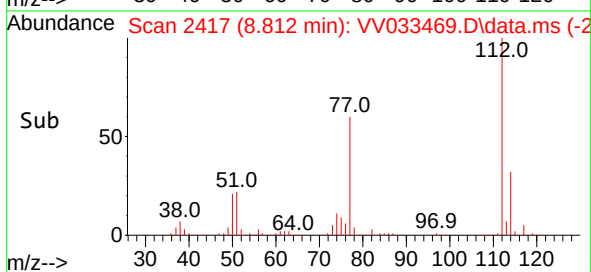
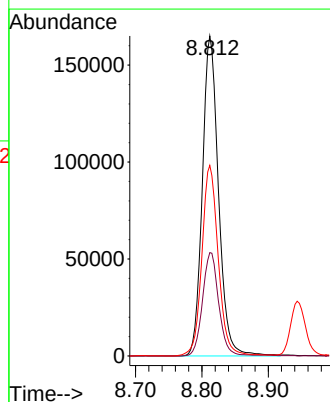
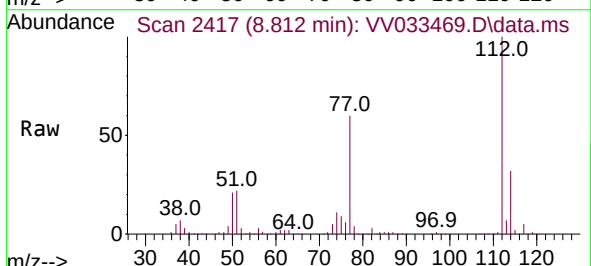
Tgt Ion:112 Resp: 279683

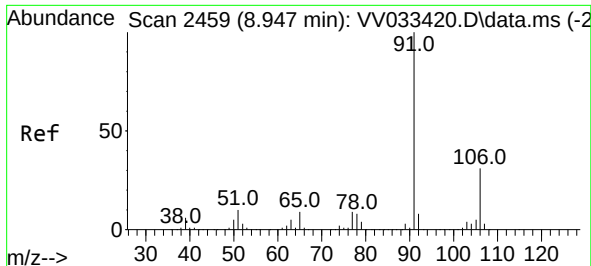
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 59.6 45.2 67.8





#52

Ethylbenzene

Concen: 52.927 ug/L

RT: 8.944 min Scan# 2459

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

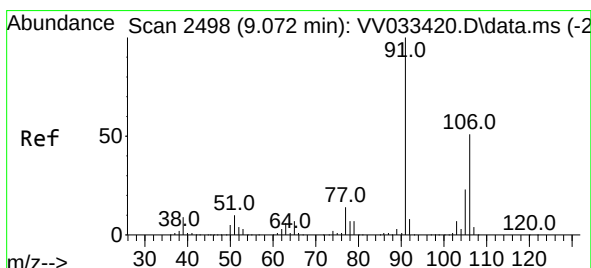
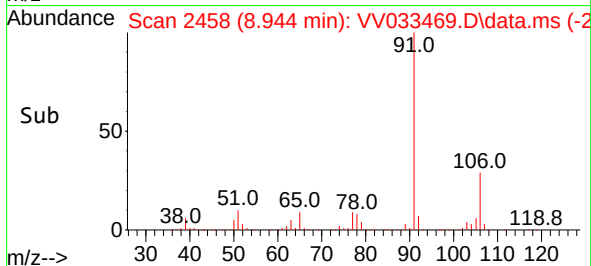
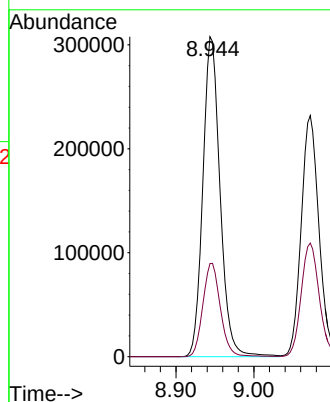
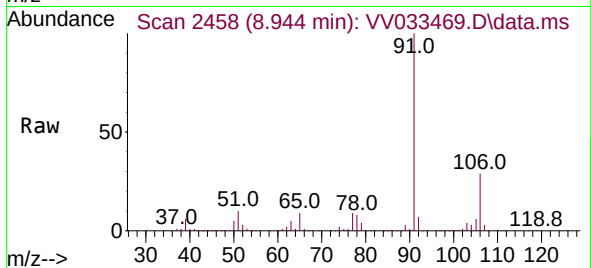
ClientSampleId :

Tgt Ion: 91 Resp: 472604

Ion Ratio Lower Upper

91 100

106 29.1 21.6 40.2



#53

m,p-Xylene

Concen: 52.677 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033469.D

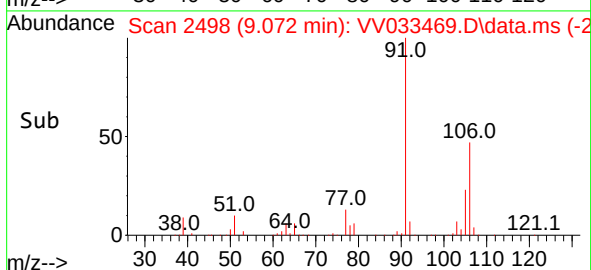
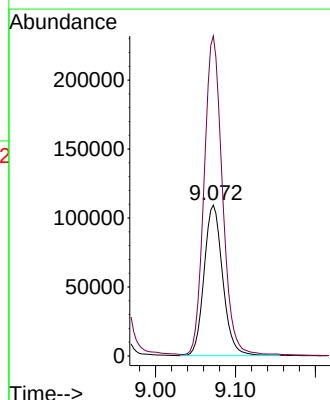
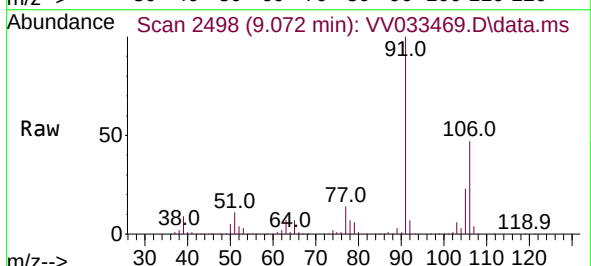
Acq: 19 Dec 2023 11:43

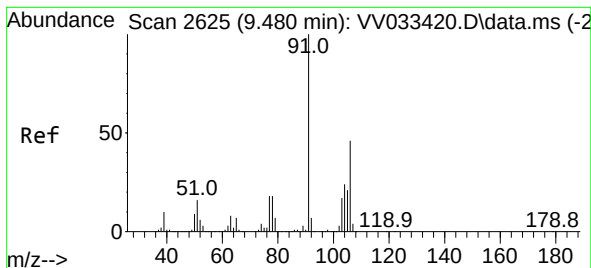
Tgt Ion: 106 Resp: 176722

Ion Ratio Lower Upper

106 100

91 212.1 143.0 265.6





#54

o-Xylene

Concen: 51.797 ug/L

RT: 9.477 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

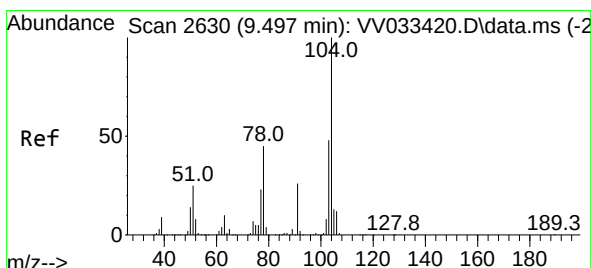
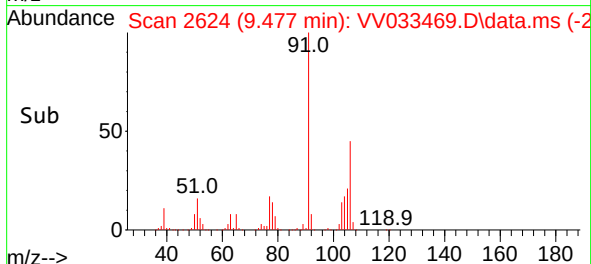
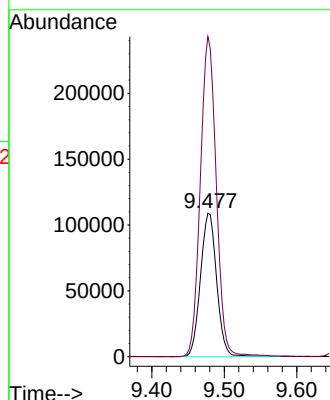
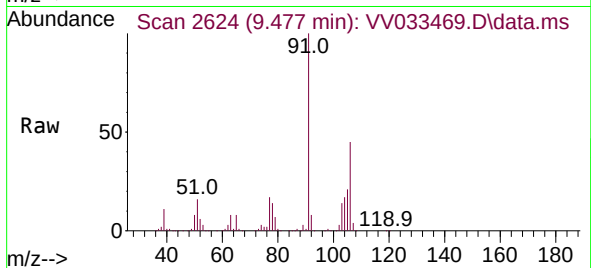
ClientSampleId :

Tgt Ion:106 Resp: 168732

Ion Ratio Lower Upper

106 100

91 222.9 149.7 278.1



#55

Styrene

Concen: 55.347 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.003 min

Lab File: VV033469.D

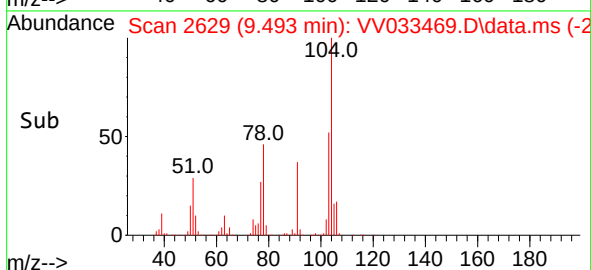
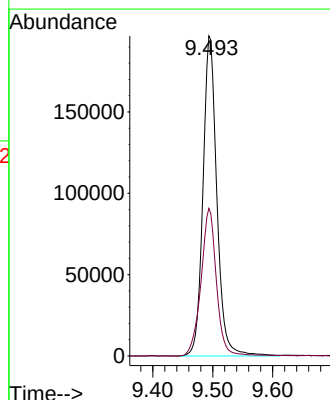
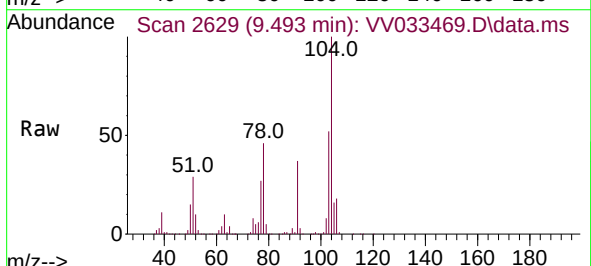
Acq: 19 Dec 2023 11:43

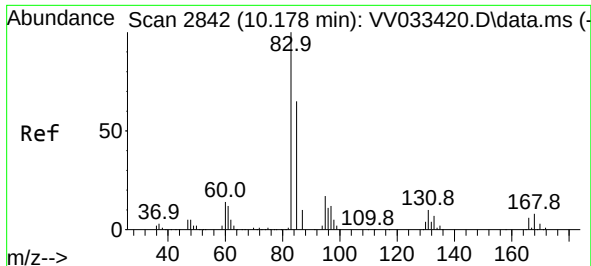
Tgt Ion:104 Resp: 318191

Ion Ratio Lower Upper

104 100

78 46.1 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.332 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

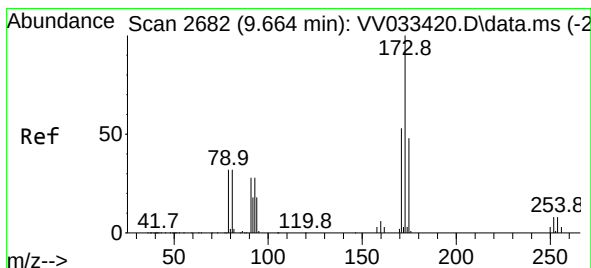
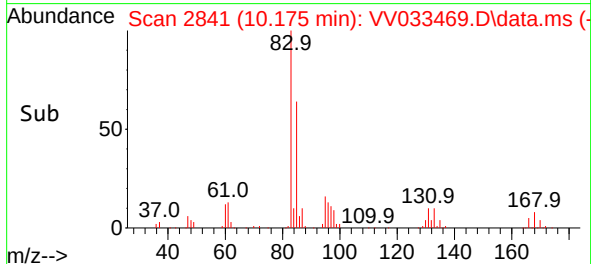
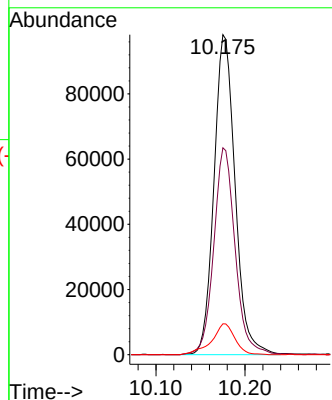
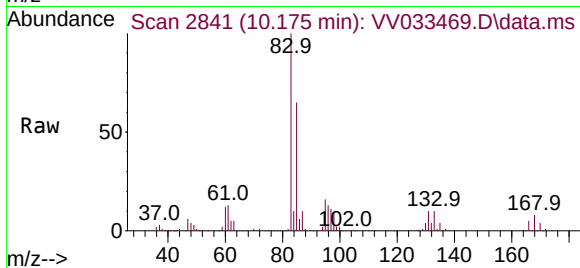
Tgt Ion: 83 Resp: 162008

Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

131 9.6 8.6 12.8



#59

Bromoform

Concen: 46.158 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

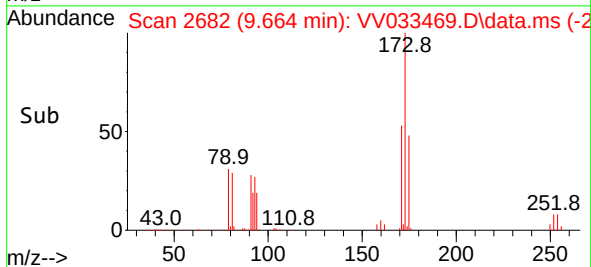
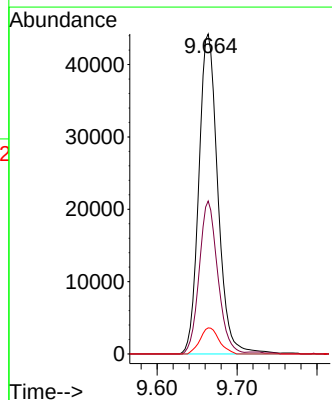
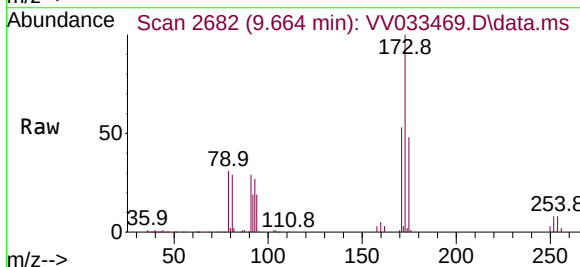
Tgt Ion: 173 Resp: 73283

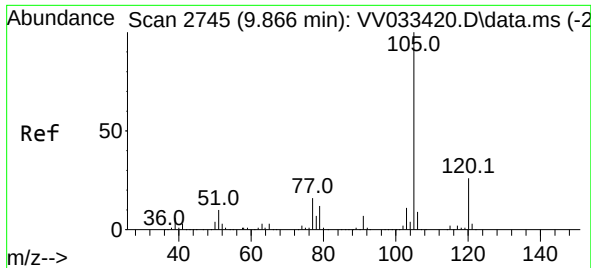
Ion Ratio Lower Upper

173 100

175 46.5 38.8 58.2

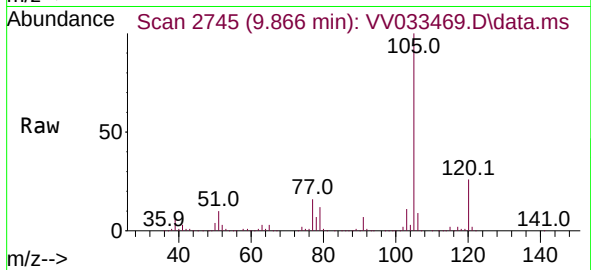
254 8.2 5.8 8.8



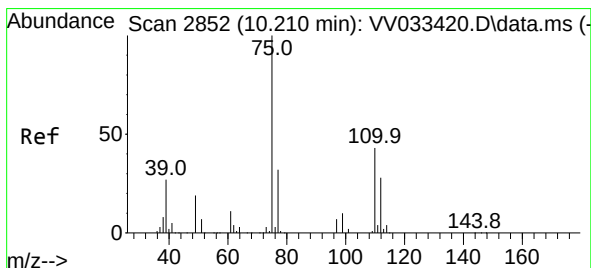
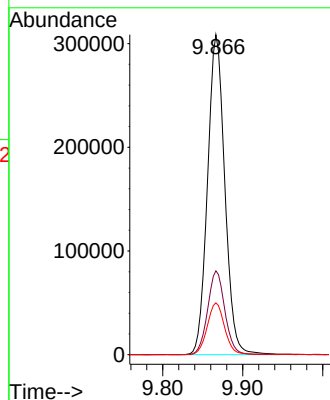
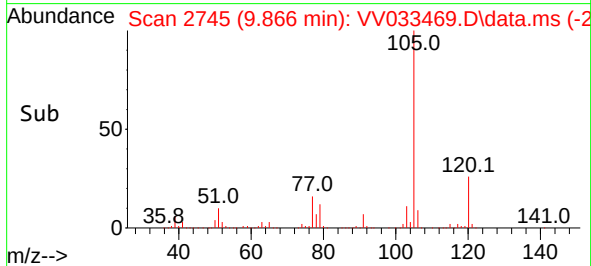


#60
Isopropylbenzene
Concen: 53.128 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

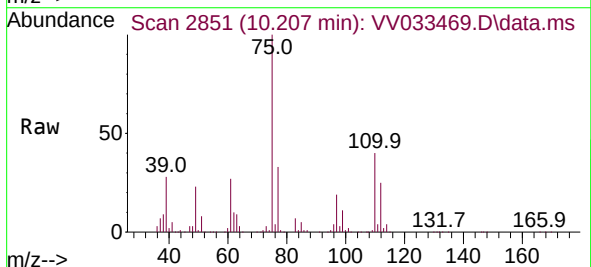
Instrument :
MSVOA_V
ClientSampleId :



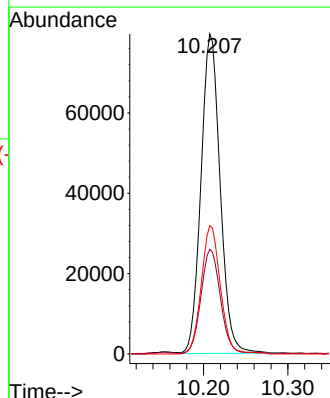
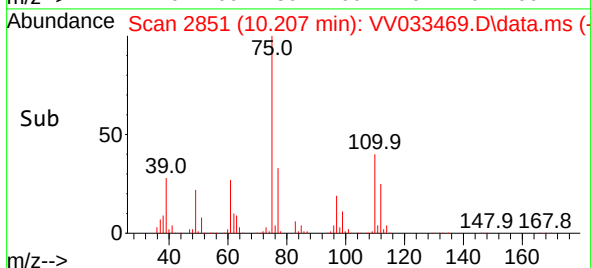
Tgt Ion:105 Resp: 464283
Ion Ratio Lower Upper
105 100
120 26.2 21.2 31.8
77 16.2 12.5 18.7

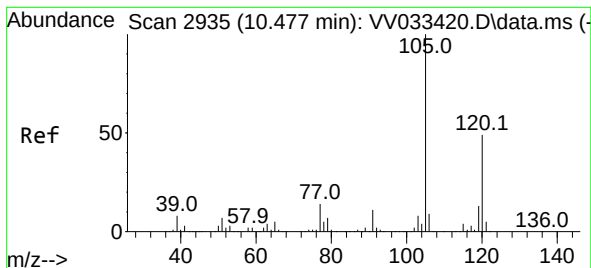


#61
1,2,3-Trichloropropane
Concen: 51.021 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43



Tgt Ion: 75 Resp: 125846
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
110 39.7 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 53.684 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

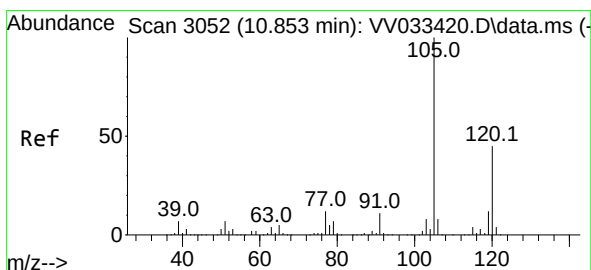
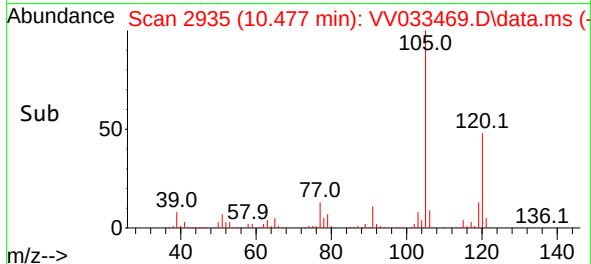
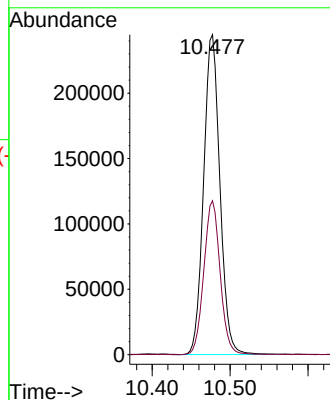
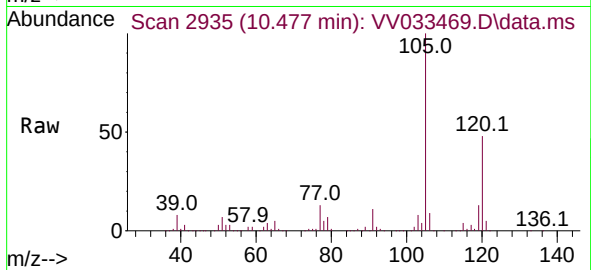
ClientSampleId :

Tgt Ion:105 Resp: 355557

Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 54.118 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV033469.D

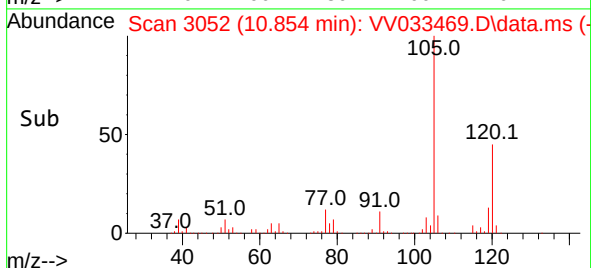
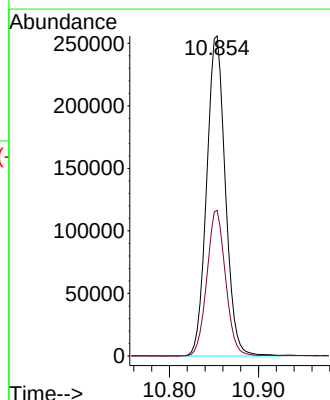
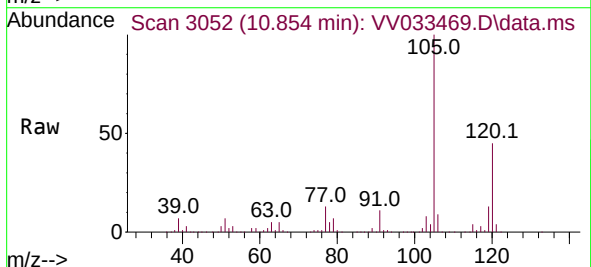
Acq: 19 Dec 2023 11:43

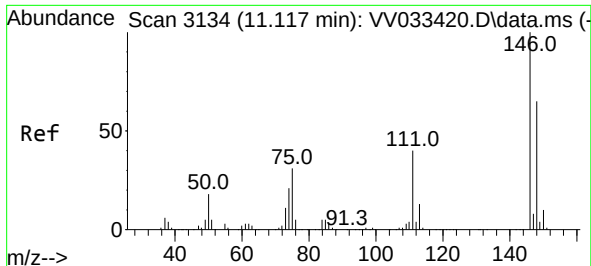
Tgt Ion:105 Resp: 372260

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4

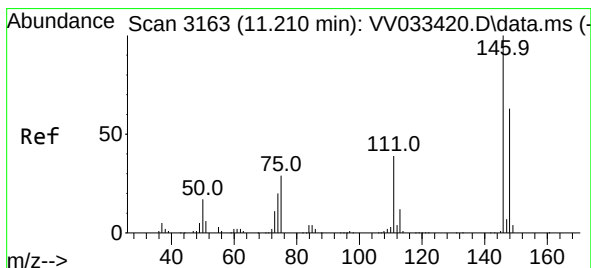
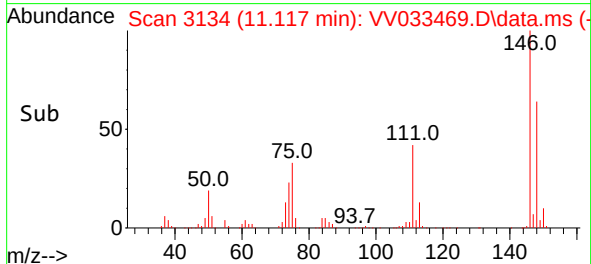
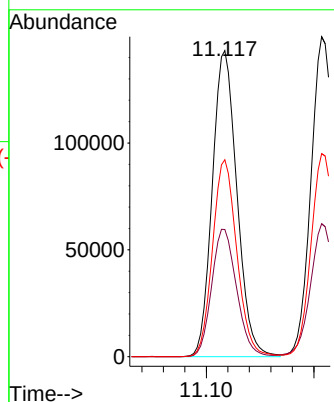
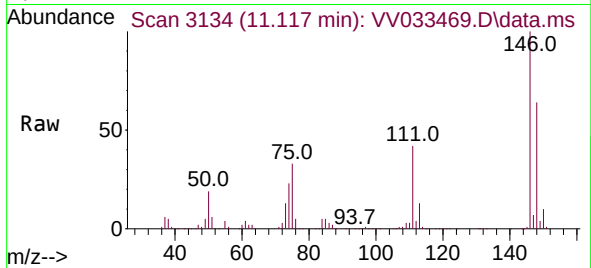




#64
1,3-Dichlorobenzene
Concen: 50.182 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

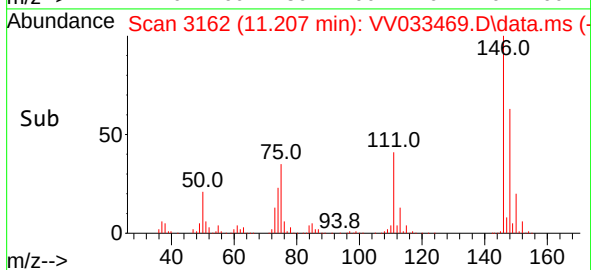
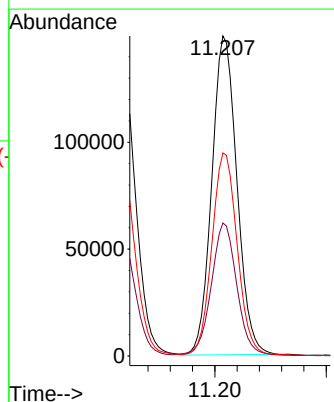
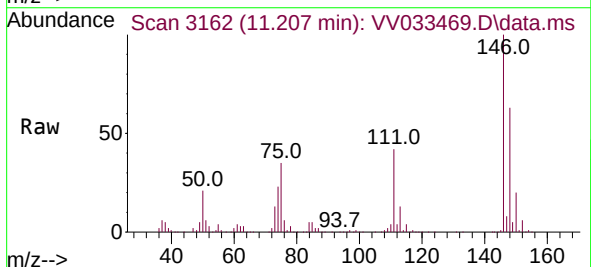
Instrument :
MSVOA_V
ClientSampleId :

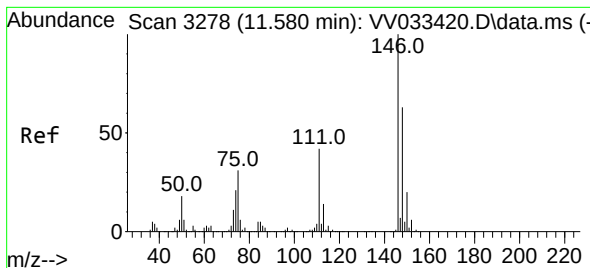
Tgt Ion:146 Resp: 227922
Ion Ratio Lower Upper
146 100
111 41.6 29.3 54.5
148 64.4 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 47.845 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VV033469.D
Acq: 19 Dec 2023 11:43

Tgt Ion:146 Resp: 233882
Ion Ratio Lower Upper
146 100
111 41.6 27.9 51.7
148 63.5 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 49.259 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

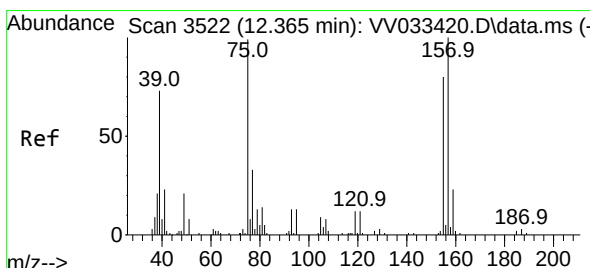
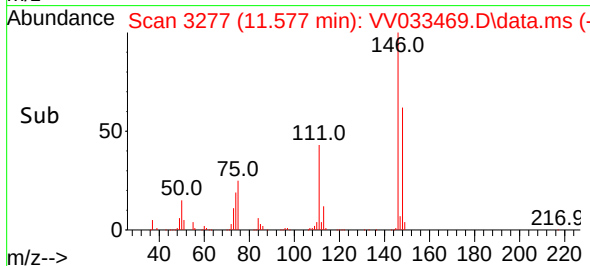
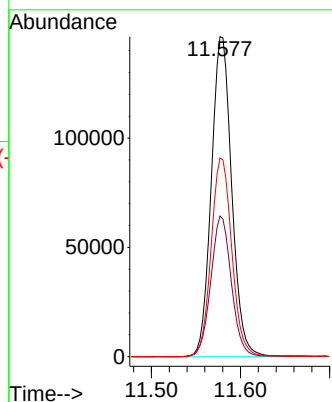
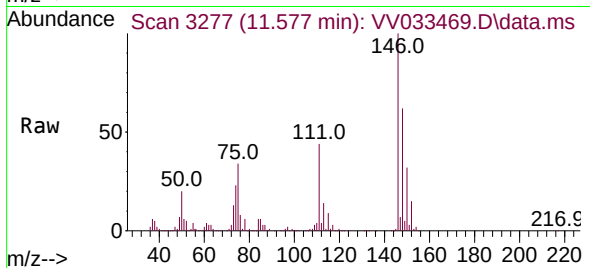
Tgt Ion:146 Resp: 232866

Ion Ratio Lower Upper

146 100

111 43.9 33.5 50.3

148 62.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 46.762 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

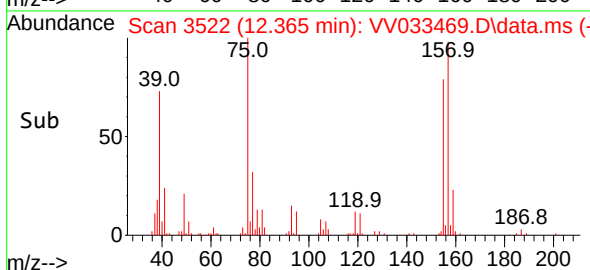
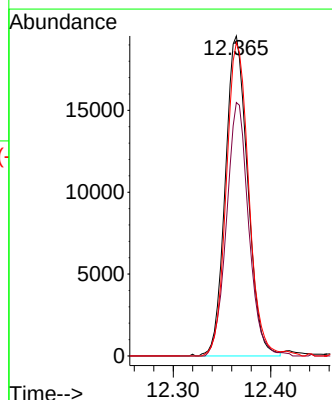
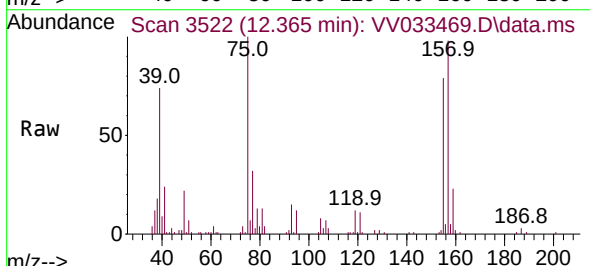
Tgt Ion: 75 Resp: 31244

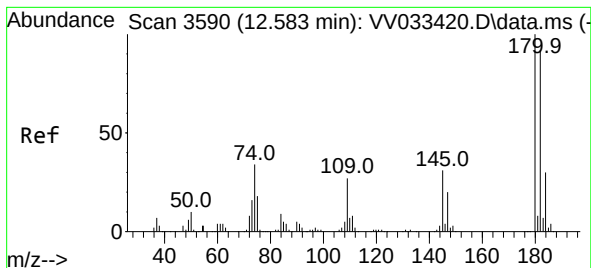
Ion Ratio Lower Upper

75 100

155 79.2 69.4 104.0

157 97.9 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 49.882 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

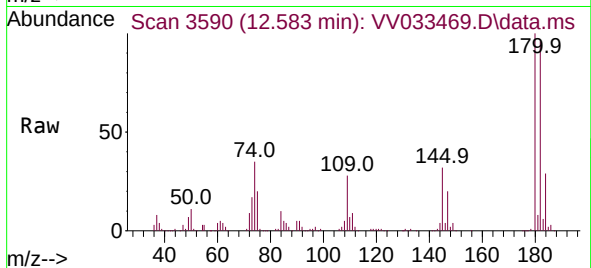
Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 156683

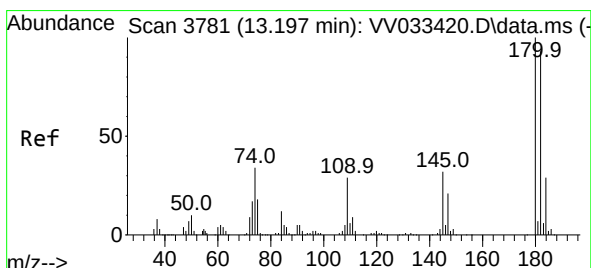
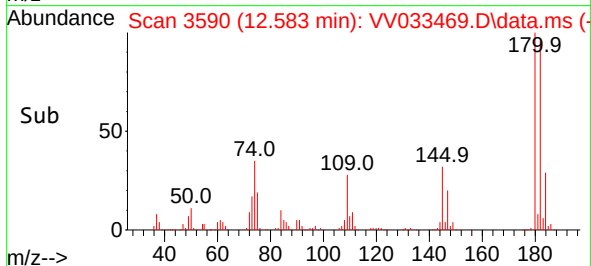
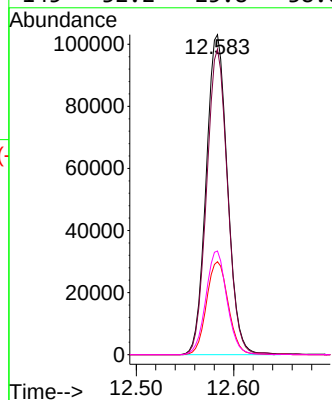
Ion Ratio Lower Upper

180 100

182 93.5 76.2 114.4

184 29.6 24.4 36.6

145 32.2 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 48.706 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

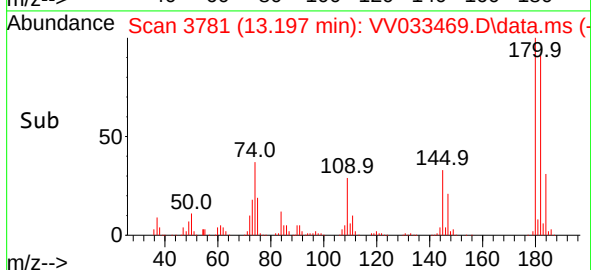
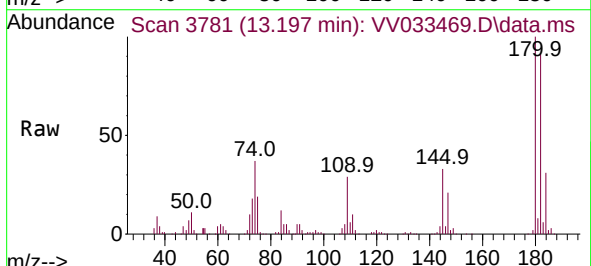
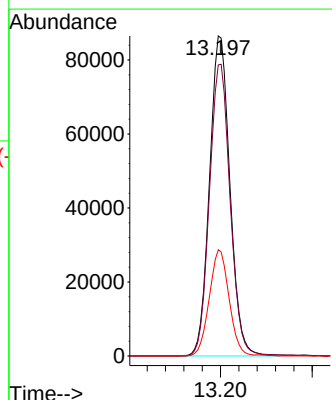
Tgt Ion:180 Resp: 133732

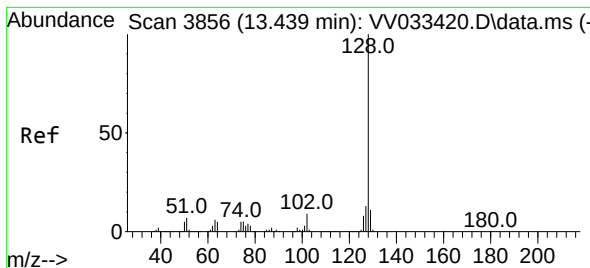
Ion Ratio Lower Upper

180 100

182 92.0 76.1 114.1

145 32.2 25.6 38.4





#71

Naphthalene

Concen: 48.201 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Instrument :

MSVOA_V

ClientSampleId :

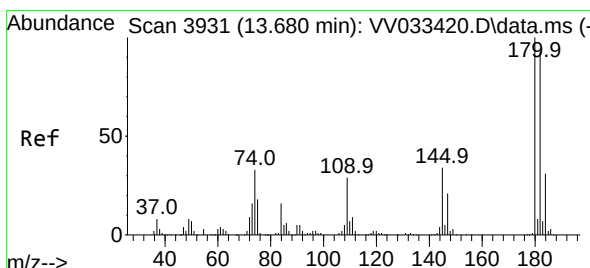
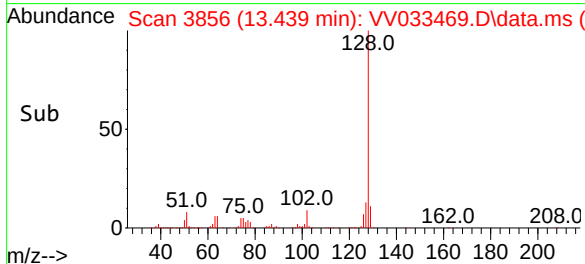
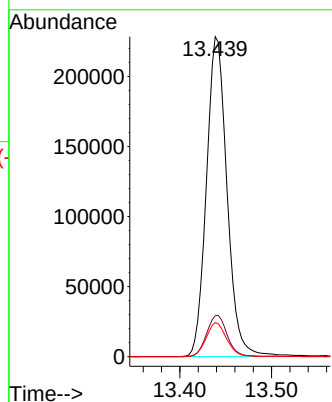
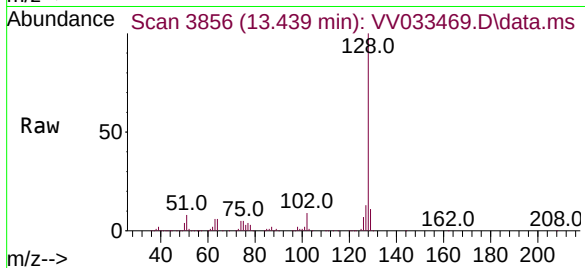
Tgt Ion:128 Resp: 356084

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.864 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033469.D

Acq: 19 Dec 2023 11:43

Tgt Ion:180 Resp: 139290

Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.2

145 34.5 27.1 40.7

