

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120523\
 Data File : VW033101.D
 Acq On : 05 Dec 2023 11:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 06 01:14:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 05 03:20:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	348816	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	345983	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	212045	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82561	39.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.180%
7) Chloroethane-d5	1.532	69	60955	41.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.900%
11) 1,1-Dichloroethene-d2	2.060	65	32037	40.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.780%
21) 2-Butanone-d5	3.780	46	89446	86.364	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.360%
24) Chloroform-d	4.246	84	200090	45.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
26) 1,2-Dichloroethane-d4	4.941	65	123461	44.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.957	84	361234	44.642	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
36) 1,2-Dichloropropane-d6	5.986	67	98667	45.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.700%
41) Toluene-d8	7.243	98	347409	45.006	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.020%
43) trans-1,3-Dichloroprop...	7.551	79	60079	43.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.340%
47) 2-Hexanone-d5	8.021	63	77932	89.162	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.160%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	148495	48.013	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	11.561	152	168821	44.747	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	169850	44.547	ug/L	100
3) Chloromethane	1.214	50	112864	44.882	ug/L	97
5) Vinyl chloride	1.285	62	106356	44.099	ug/L	98
6) Bromomethane	1.487	94	71582	45.486	ug/L	97
8) Chloroethane	1.548	64	56556	44.047	ug/L	100
9) Trichlorofluoromethane	1.716	101	185507	46.614	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	88380	47.293	ug/L	97
12) 1,1-Dichloroethene	2.069	96	81479	46.592	ug/L	95
13) Acetone	2.108	43	77403	78.285	ug/L	97
14) Carbon disulfide	2.243	76	277852	44.285	ug/L	100
15) Methyl Acetate	2.368	43	72007	43.696	ug/L	99
16) Methylene chloride	2.446	84	105256	45.454	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	106718	46.478	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	317571	45.529	ug/L	99
19) 1,1-Dichloroethane	3.111	63	173243	45.587	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	115517	47.415	ug/L	98
22) 2-Butanone	3.860	43	93692	74.462	ug/L	100
23) Bromochloromethane	4.143	128	63694	45.531	ug/L	97
25) Chloroform	4.275	83	205565	47.034	ug/L	95

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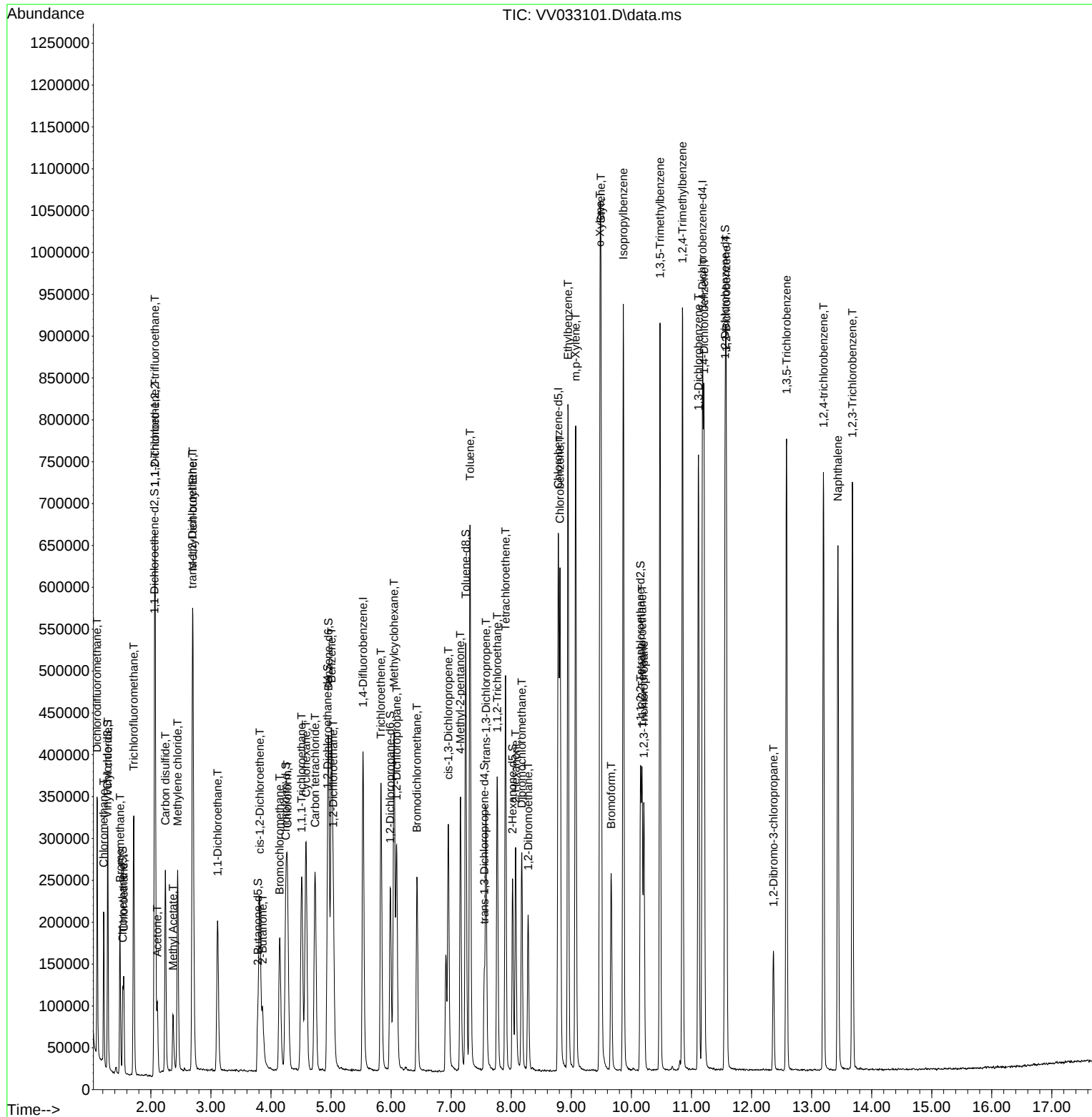
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	163427	47.319	ug/L	98
29) Cyclohexane	4.584	56	145931	45.666	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	201745	47.182	ug/L	99
31) Carbon tetrachloride	4.735	117	187582	47.181	ug/L	99
33) Benzene	5.008	78	415184	47.355	ug/L	100
34) Trichloroethene	5.831	95	118688	45.313	ug/L	97
35) Methylcyclohexane	6.050	83	180854	47.574	ug/L	99
37) 1,2-Dichloropropane	6.092	63	95895	47.260	ug/L	100
38) Bromodichloromethane	6.429	83	155283	47.470	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	177325	48.161	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	190739	88.535	ug/L	99
42) Toluene	7.313	91	477429	48.324	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	177466	47.667	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	109442	46.518	ug/L	99
46) Tetrachloroethene	7.905	164	107799	47.875	ug/L	97
48) 2-Hexanone	8.072	43	153377	85.867	ug/L	99
49) Dibromochloromethane	8.175	129	131888	46.960	ug/L	100
50) 1,2-Dibromoethane	8.281	107	117234	46.739	ug/L	98
51) Chlorobenzene	8.812	112	323449	46.555	ug/L	98
52) Ethylbenzene	8.944	91	541523	47.619	ug/L	98
53) m,p-Xylene	9.072	106	215063	47.755	ug/L	96
54) o-Xylene	9.477	106	208686	46.960	ug/L	99
55) Styrene	9.493	104	379906	49.418	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	154266	47.993	ug/L	99
59) Bromoform	9.664	173	108930	47.332	ug/L	99
60) Isopropylbenzene	9.866	105	578889	47.347	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	117253	44.346	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	466935	47.401	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	494664	48.218	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	307404	47.062	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	313499	46.204	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	296990	46.379	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	33527	41.325	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	237753	45.441	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	220055	45.524	ug/L	99
71) Naphthalene	13.439	128	503859	42.742	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	216604	46.439	ug/L	99

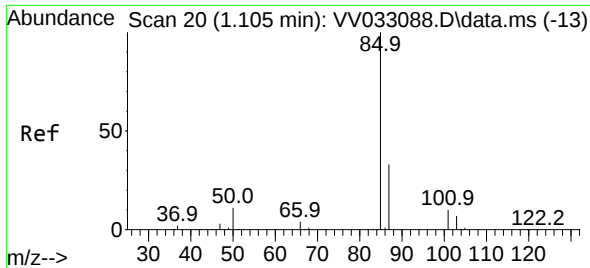
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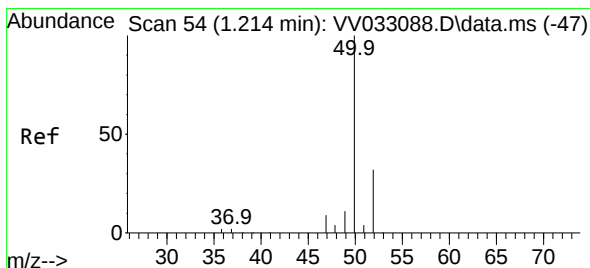
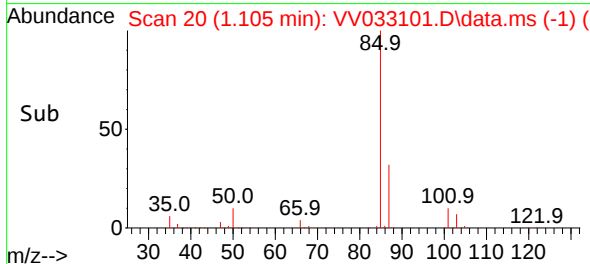
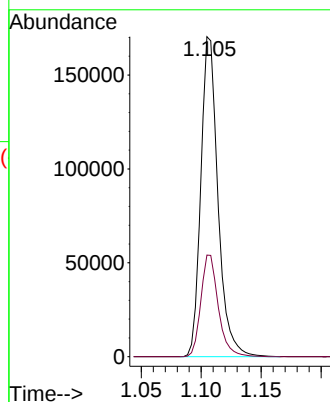
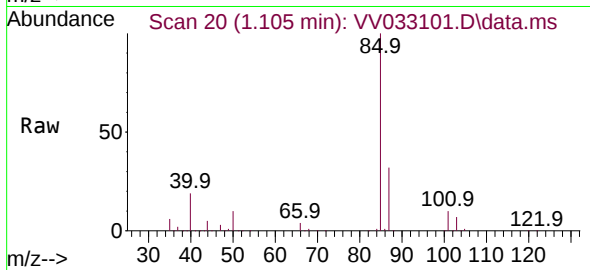




#2
Dichlorodifluoromethane
Concen: 44.547 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

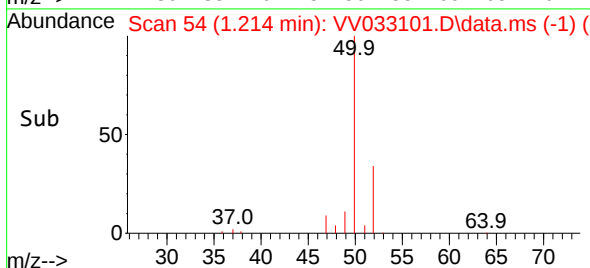
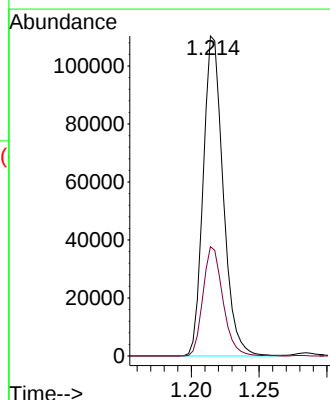
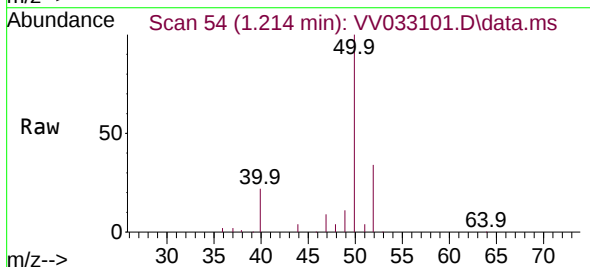
Instrument :
MSVOA_V
ClientSampleId :

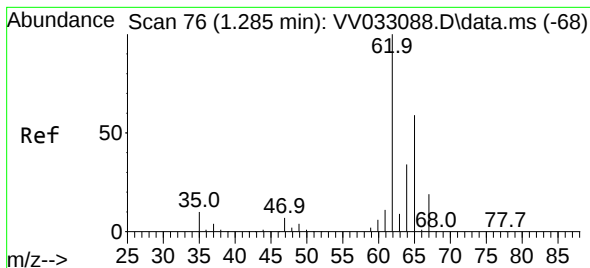
Tgt Ion: 85 Resp: 169850
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0



#3
Chloromethane
Concen: 44.882 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 50 Resp: 112864
Ion Ratio Lower Upper
50 100
52 34.1 22.8 42.4





#5

Vinyl chloride

Concen: 44.099 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

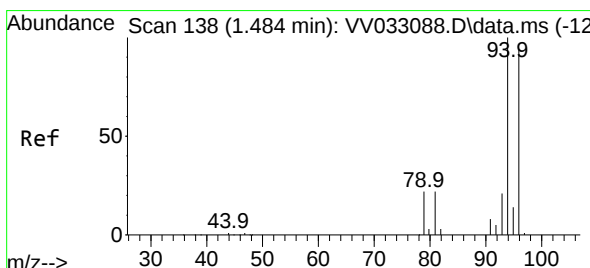
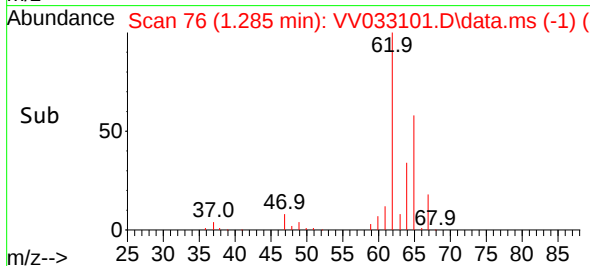
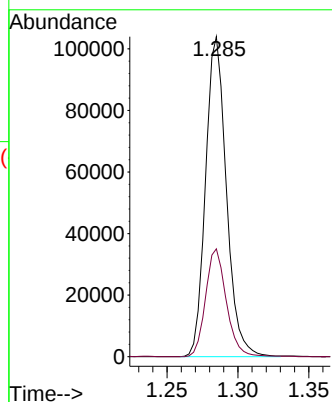
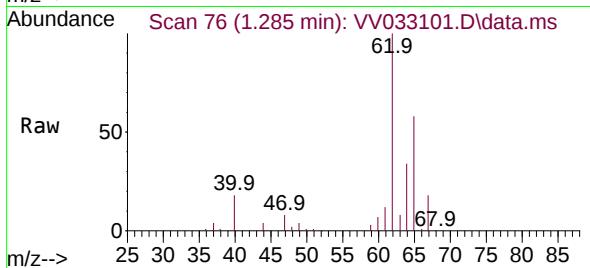
ClientSampleId :

Tgt Ion: 62 Resp: 106356

Ion Ratio Lower Upper

62 100

64 33.7 24.2 45.0



#6

Bromomethane

Concen: 45.486 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV033101.D

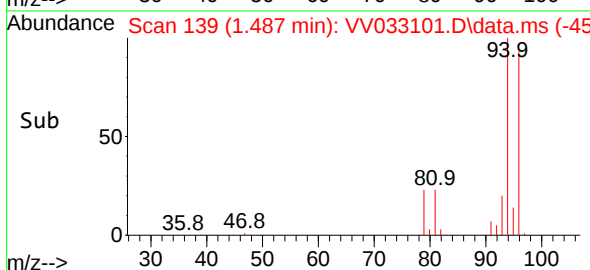
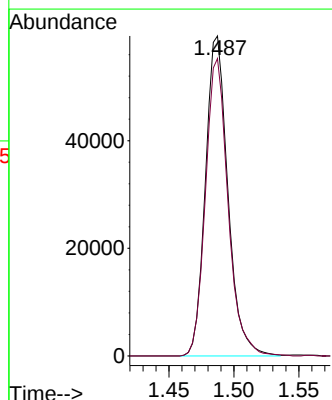
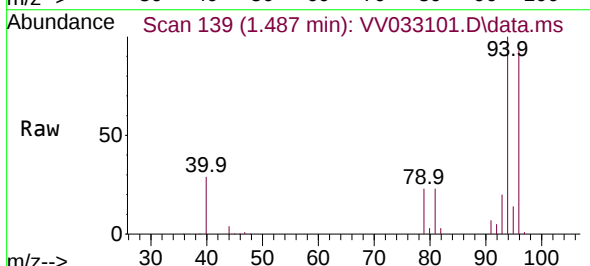
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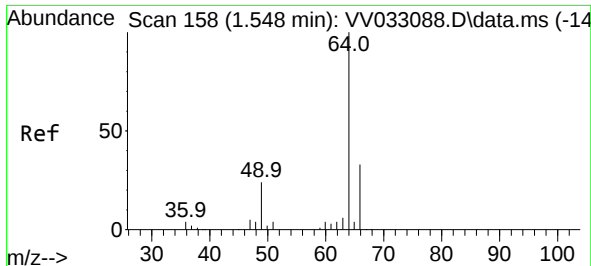
Tgt Ion: 94 Resp: 71582

Ion Ratio Lower Upper

94 100

96 92.9 67.1 124.7

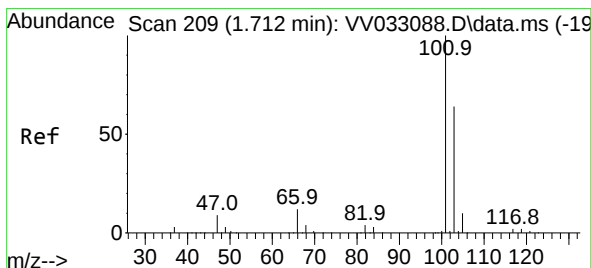
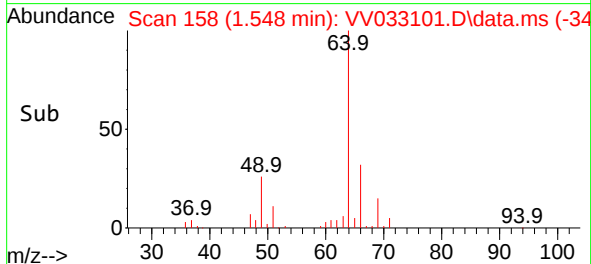
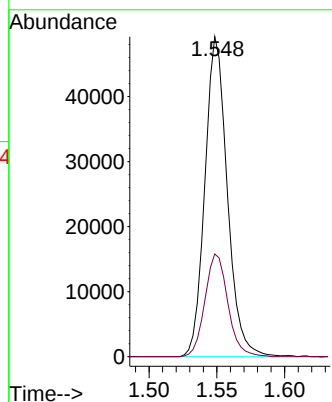
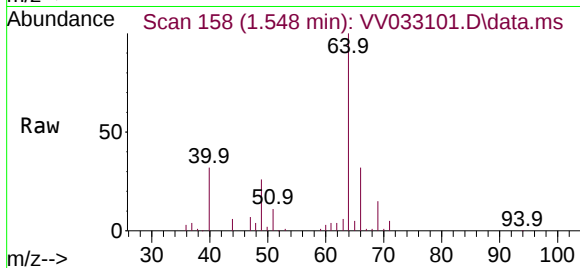




#8
Chloroethane
Concen: 44.047 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

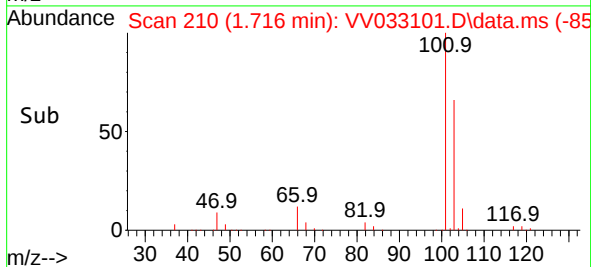
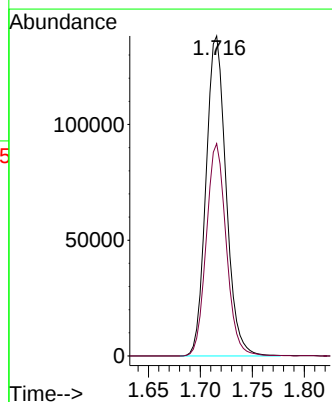
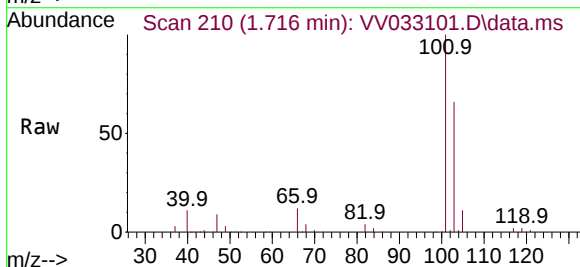
Instrument :
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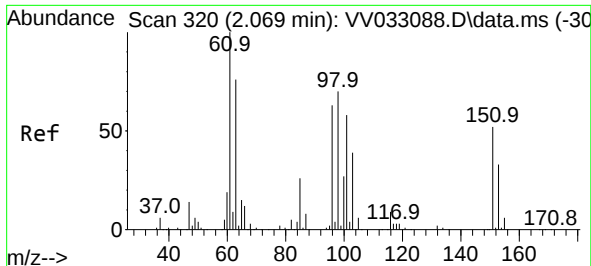
Tgt Ion: 64 Resp: 56556
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 46.614 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion:101 Resp: 185507
Ion Ratio Lower Upper
101 100
103 65.9 51.3 76.9

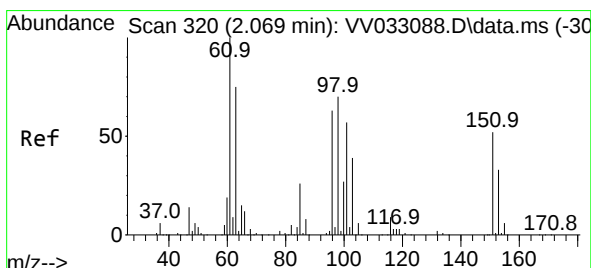
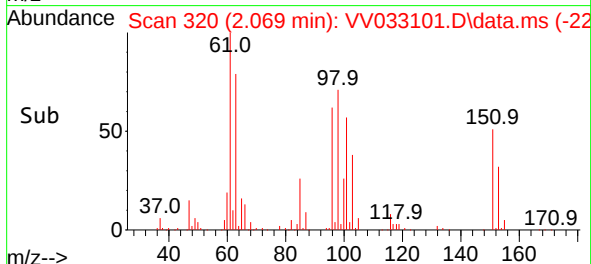
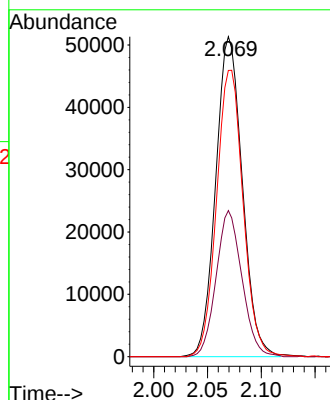
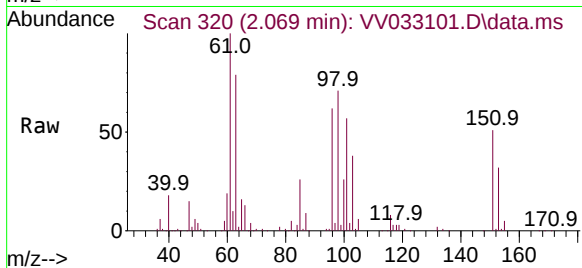




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.293 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

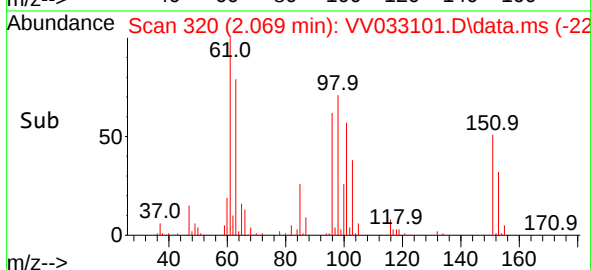
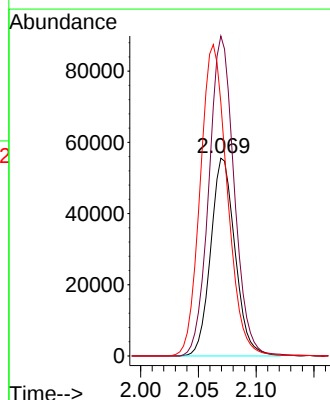
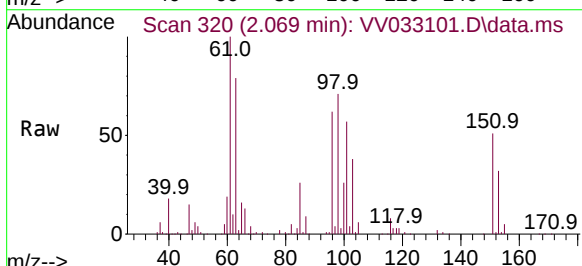
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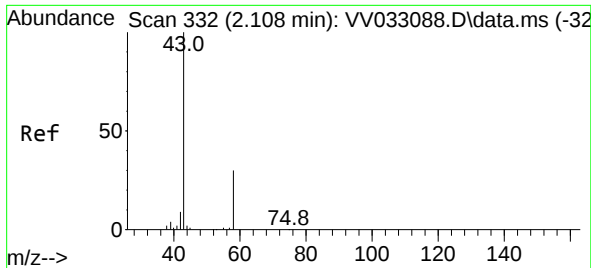
Tgt Ion:101 Resp: 88380
 Ion Ratio Lower Upper
 101 100
 85 44.3 36.0 54.0
 151 89.5 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 46.592 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

Tgt Ion: 96 Resp: 81479
 Ion Ratio Lower Upper
 96 100
 61 161.8 109.1 202.7
 63 128.1 85.3 158.3





#13

Acetone

Concen: 78.285 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

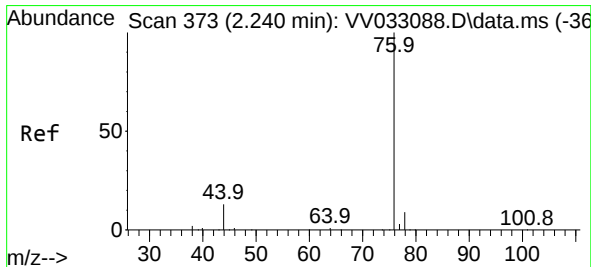
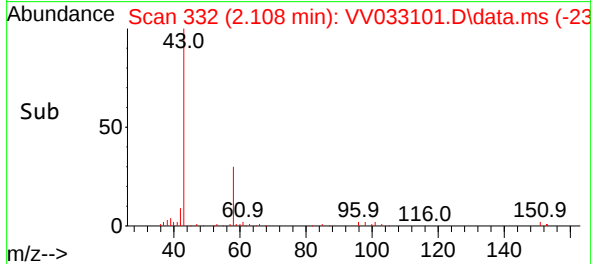
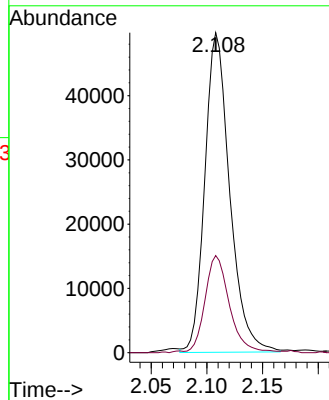
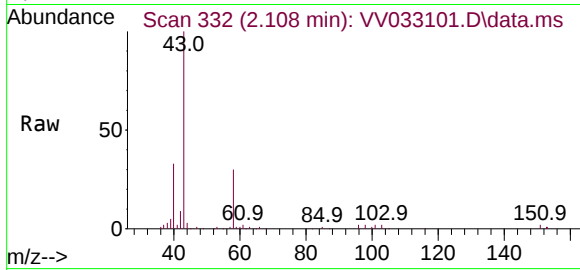
ClientSampleId :

Tgt Ion: 43 Resp: 77403

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.8



#14

Carbon disulfide

Concen: 44.285 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033101.D

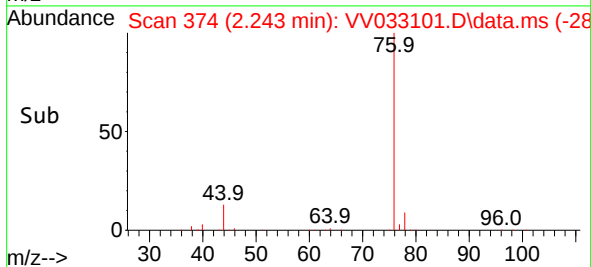
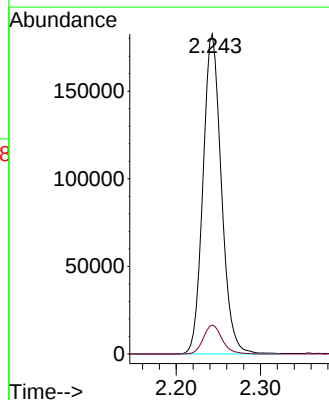
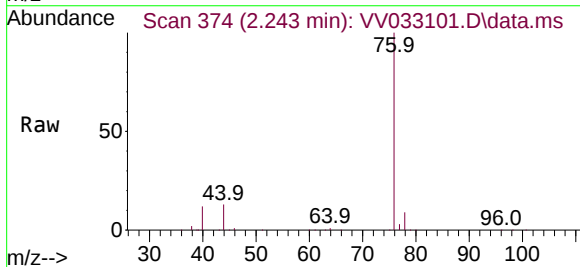
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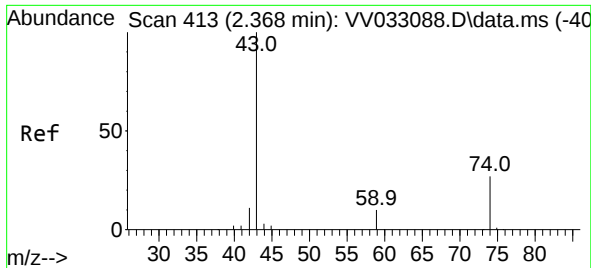
Tgt Ion: 76 Resp: 277852

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

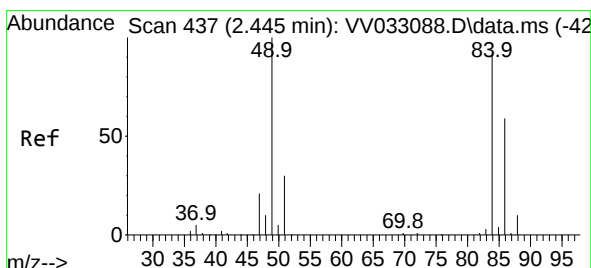
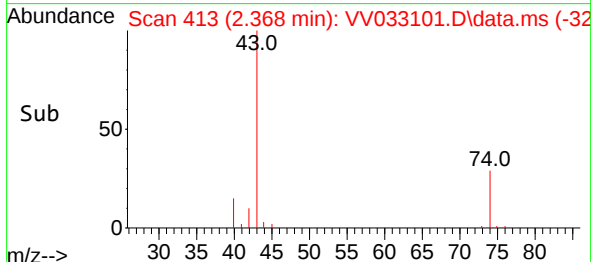
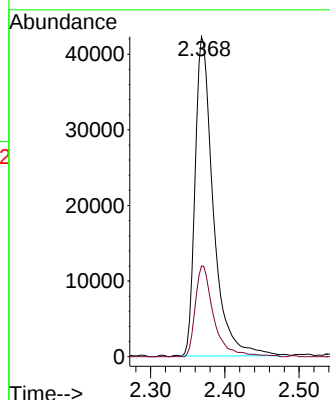
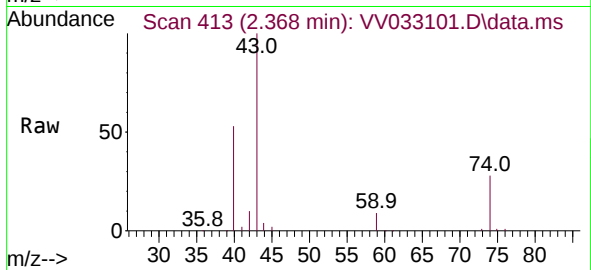




#15
Methyl Acetate
Concen: 43.696 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

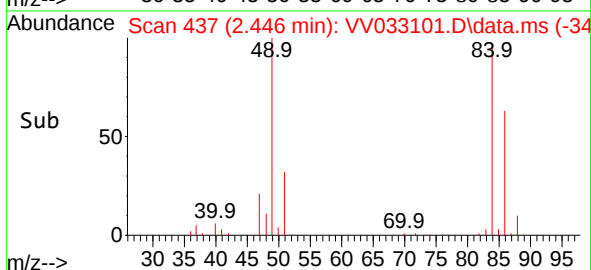
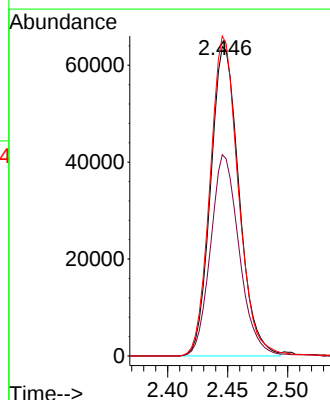
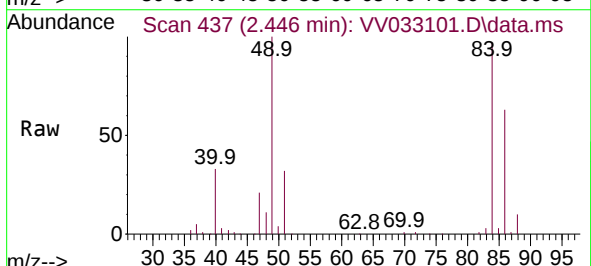
Instrument :
MSVOA_V
ClientSampleId :

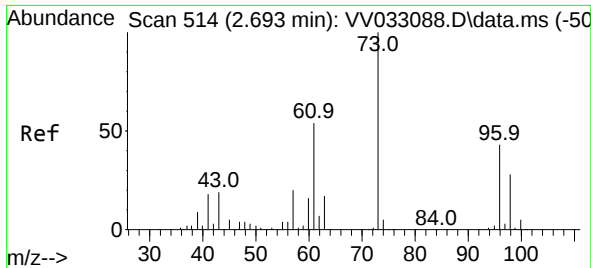
Tgt Ion: 43 Resp: 72007
Ion Ratio Lower Upper
43 100
74 27.8 22.6 33.8



#16
Methylene chloride
Concen: 45.454 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 84 Resp: 105256
Ion Ratio Lower Upper
84 100
86 65.1 45.9 85.3
49 103.5 75.5 140.1

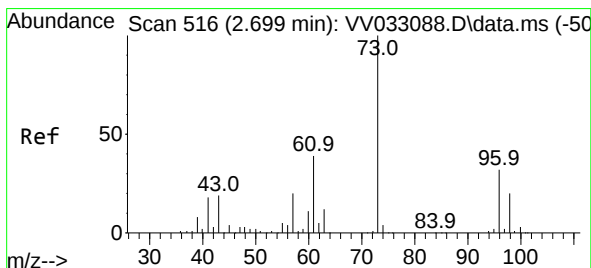
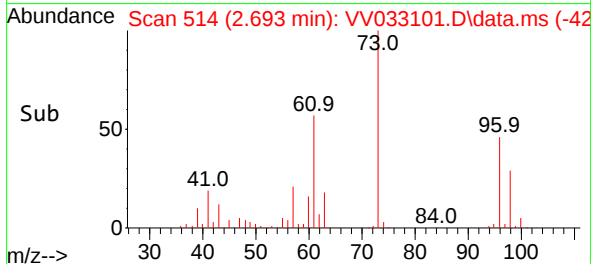
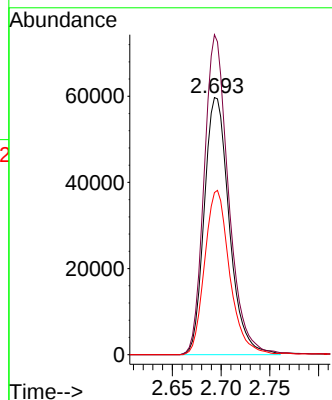
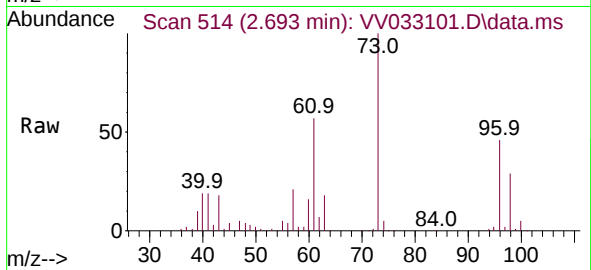




#17
trans-1,2-Dichloroethene
Concen: 46.478 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

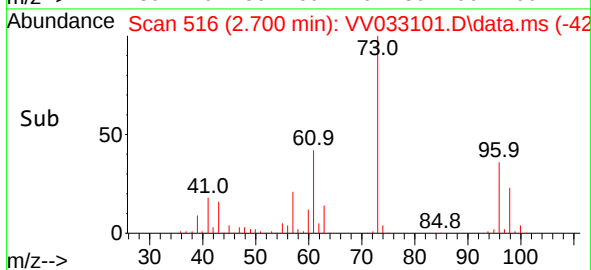
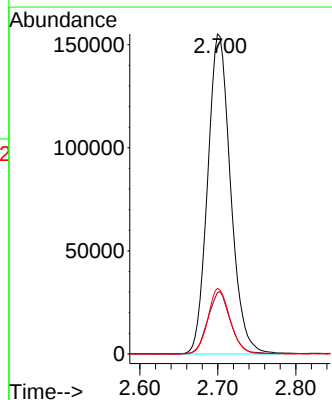
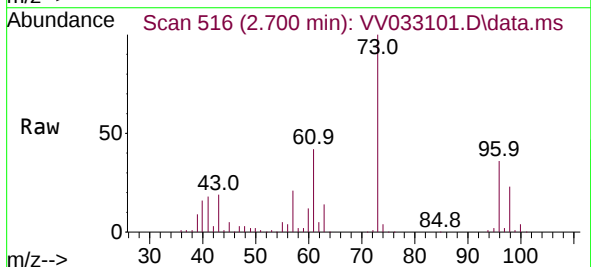
Instrument :
MSVOA_V
ClientSampleId :

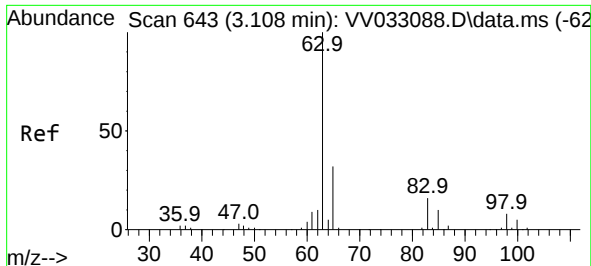
Tgt Ion: 96 Resp: 106718
Ion Ratio Lower Upper
96 100
61 124.5 86.5 160.6
98 63.0 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 45.529 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 73 Resp: 317571
Ion Ratio Lower Upper
73 100
43 18.8 15.4 23.2
57 19.9 16.1 24.1





#19

1,1-Dichloroethane

Concen: 45.587 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

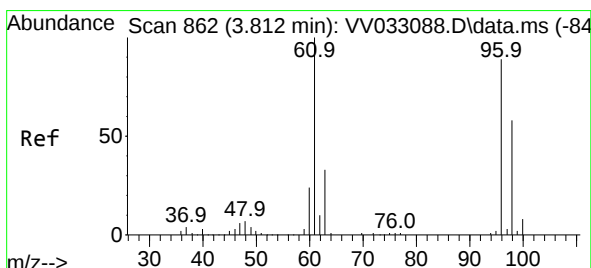
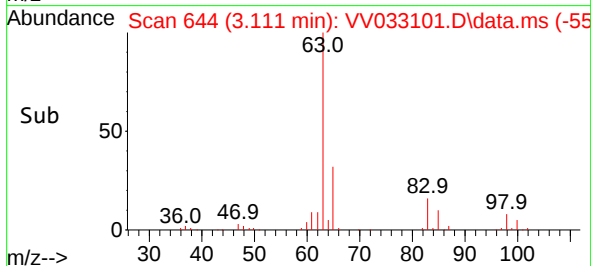
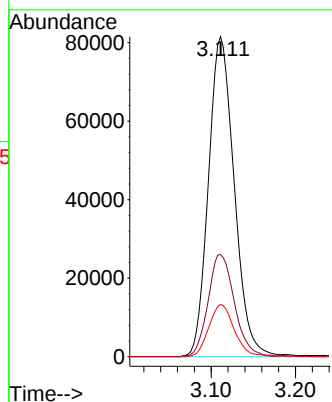
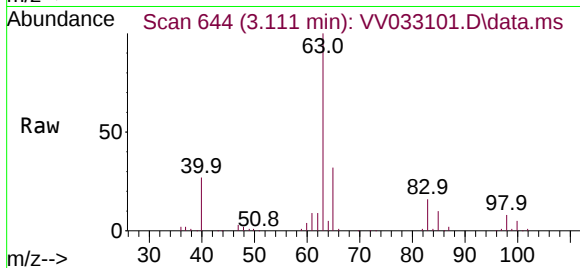
Tgt Ion: 63 Resp: 173243

Ion Ratio Lower Upper

63 100

65 31.9 23.0 42.6

83 16.3 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 47.415 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

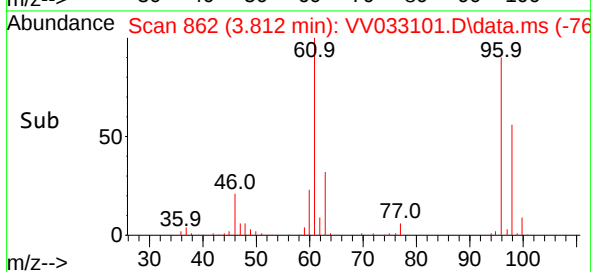
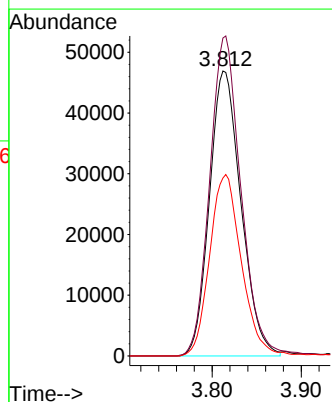
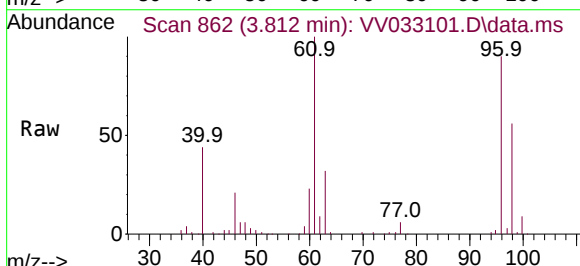
Tgt Ion: 96 Resp: 115517

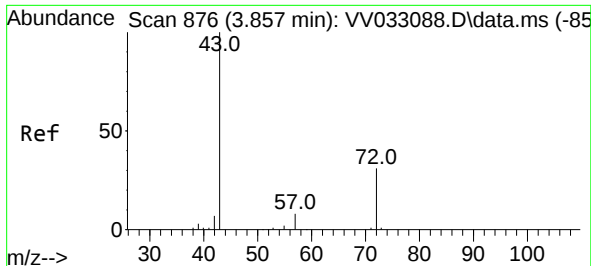
Ion Ratio Lower Upper

96 100

61 111.6 79.1 146.9

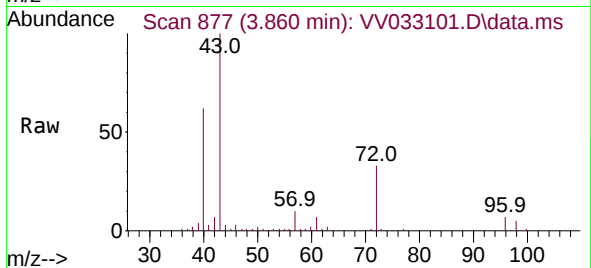
98 62.4 45.1 83.7



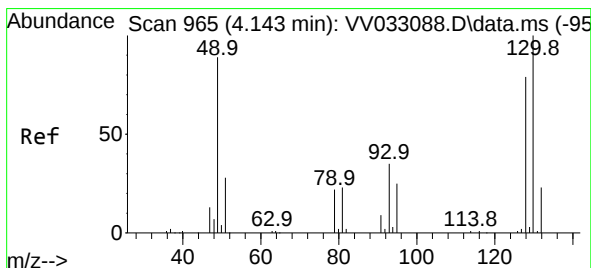
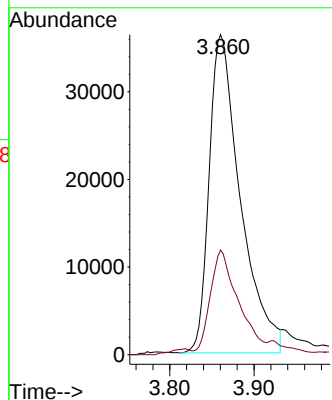
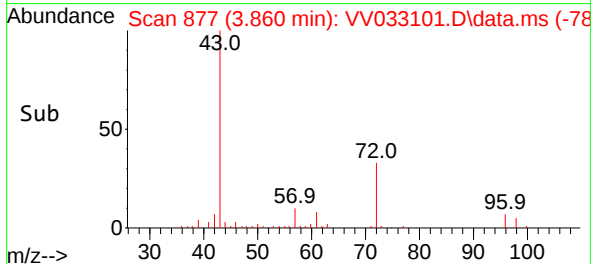


#22
2-Butanone
Concen: 74.462 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Instrument :
MSVOA_V
ClientSampleId :

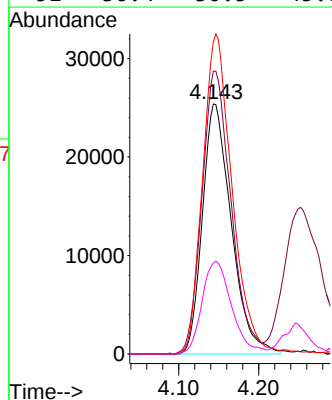
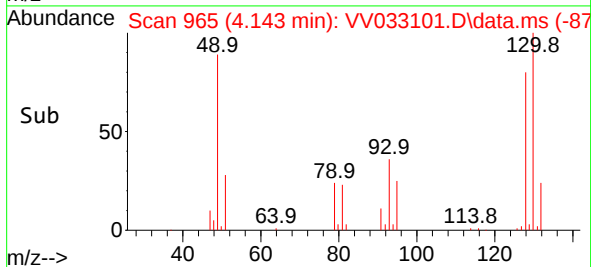
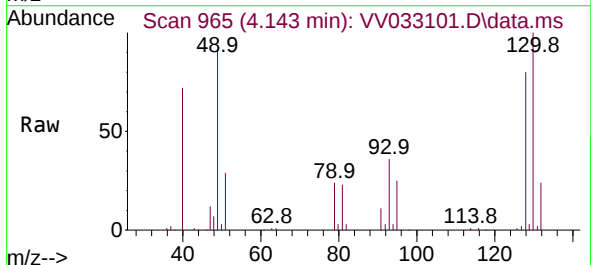


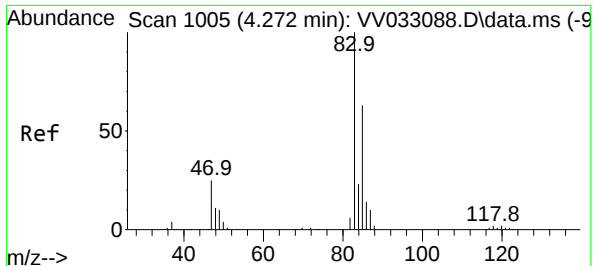
Tgt Ion: 43 Resp: 93692
Ion Ratio Lower Upper
43 100
72 29.2 14.6 43.8



#23
Bromochloromethane
Concen: 45.531 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion:128 Resp: 63694
Ion Ratio Lower Upper
128 100
49 113.1 81.7 151.7
130 124.9 90.1 167.3
51 36.4 30.5 45.7





#25

Chloroform

Concen: 47.034 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

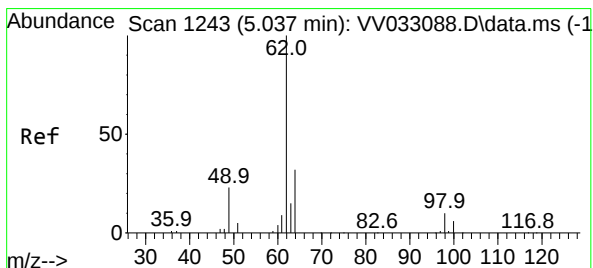
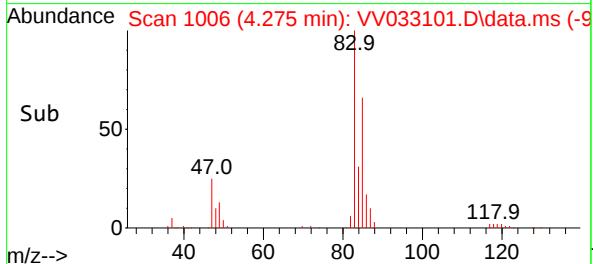
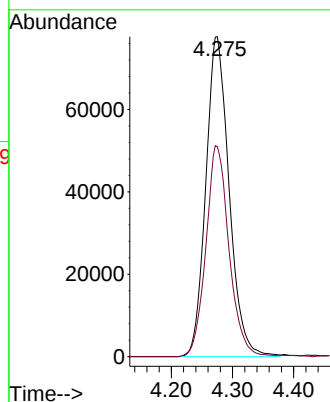
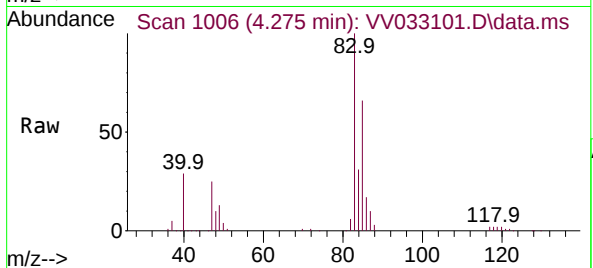
ClientSampleId :

Tgt Ion: 83 Resp: 205565

Ion Ratio Lower Upper

83 100

85 65.6 43.5 80.7



#27

1,2-Dichloroethane

Concen: 47.319 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV033101.D

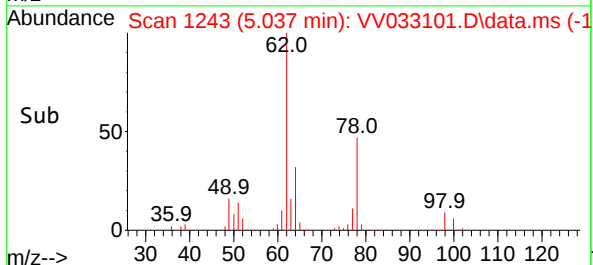
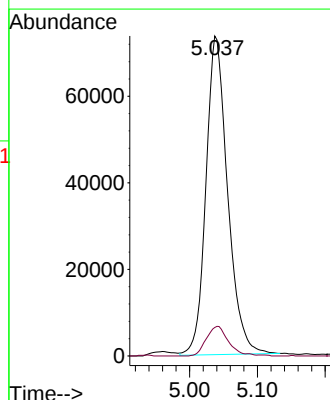
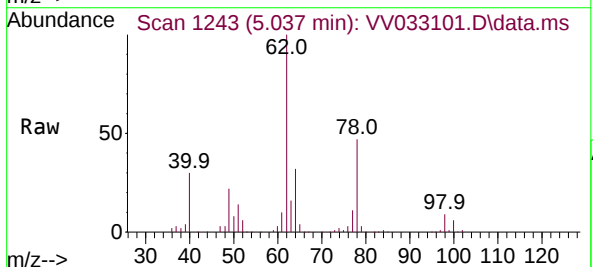
Acq: 05 Dec 2023 11:06

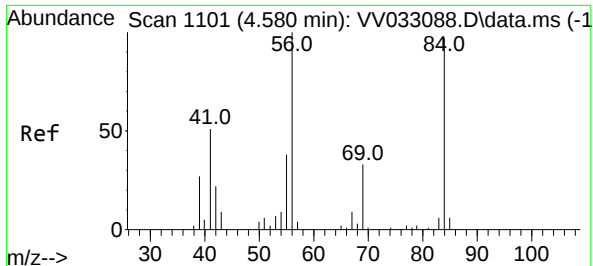
Tgt Ion: 62 Resp: 163427

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.8

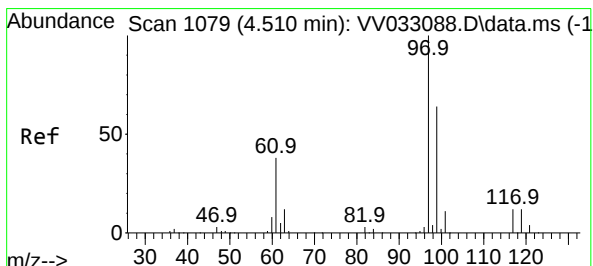
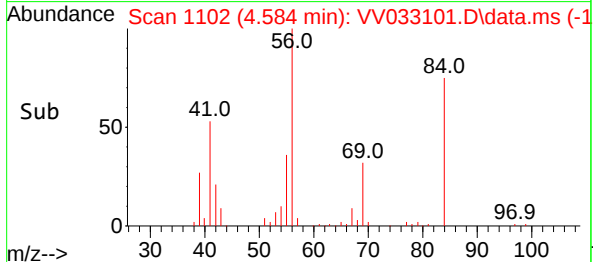
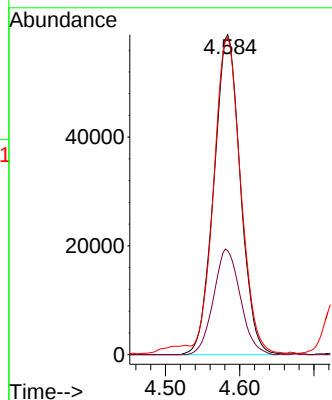
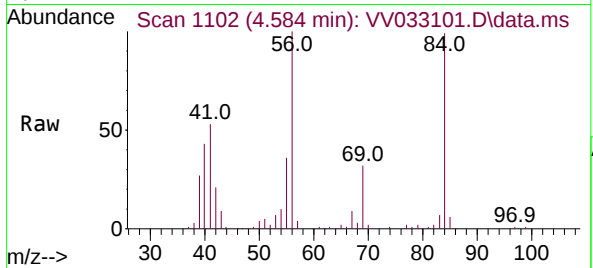




#29
Cyclohexane
Concen: 45.666 ug/L
RT: 4.584 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

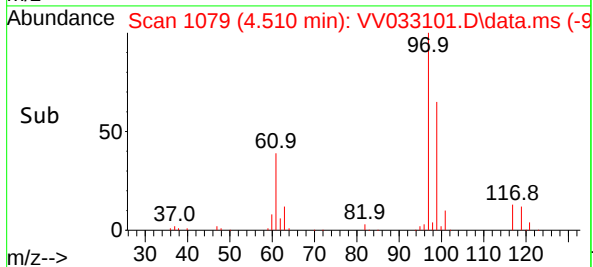
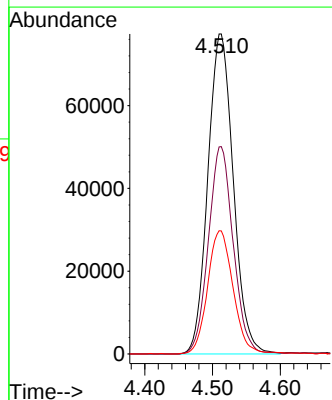
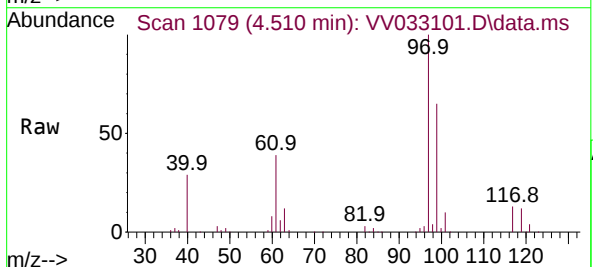
Instrument :
MSVOA_V
ClientSampleId :

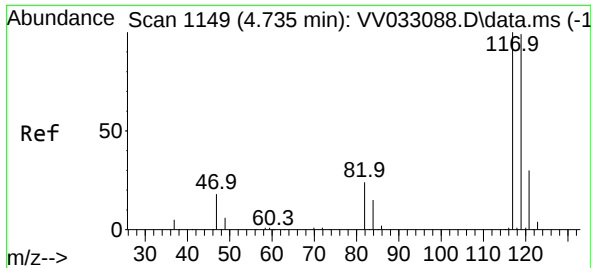
Tgt Ion: 56 Resp: 145931
Ion Ratio Lower Upper
56 100
69 33.4 26.9 40.3
84 100.0 80.6 121.0



#30
1,1,1-Trichloroethane
Concen: 47.182 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 97 Resp: 201745
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 38.4 31.8 47.8

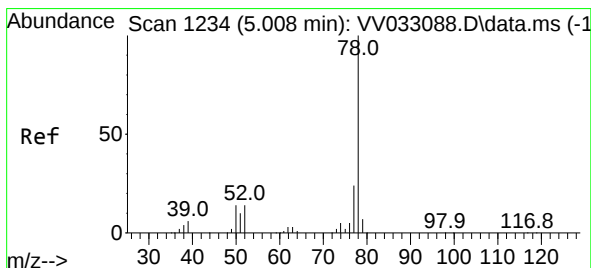
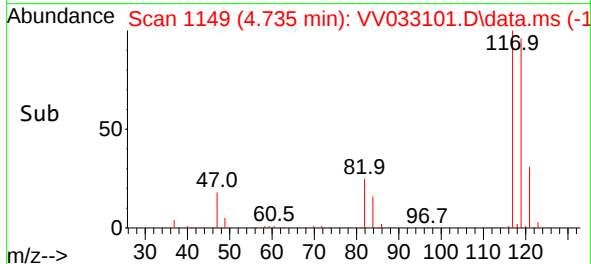
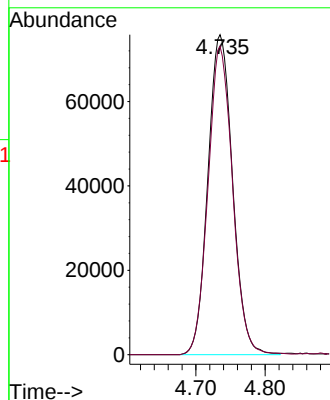
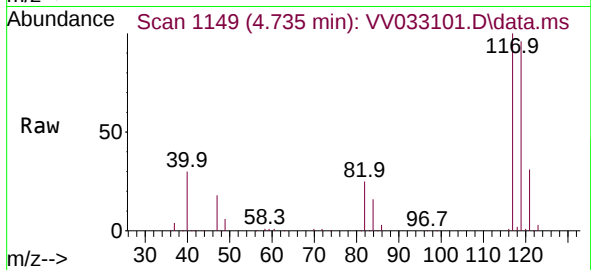




#31
Carbon tetrachloride
Concen: 47.181 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

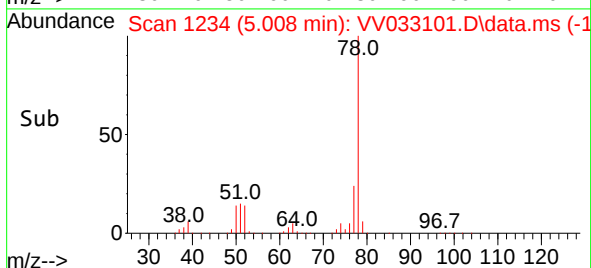
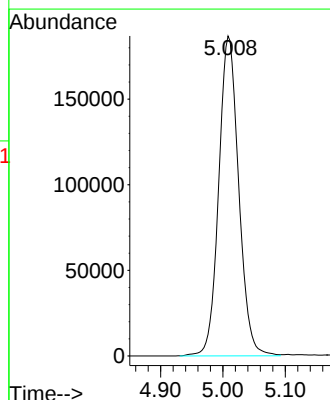
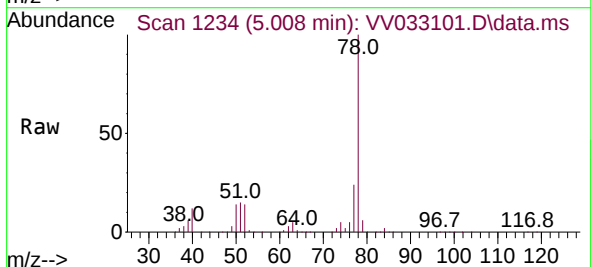
Instrument :
MSVOA_V
ClientSampleId :

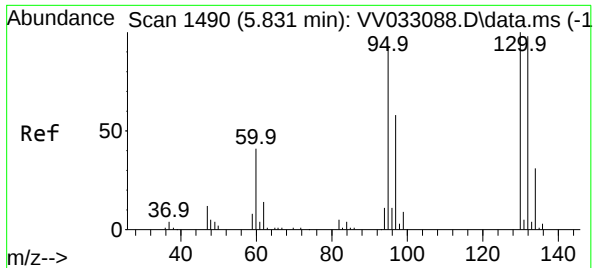
Tgt Ion:117 Resp: 187582
Ion Ratio Lower Upper
117 100
119 95.9 77.5 116.3



#33
Benzene
Concen: 47.355 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 78 Resp: 415184

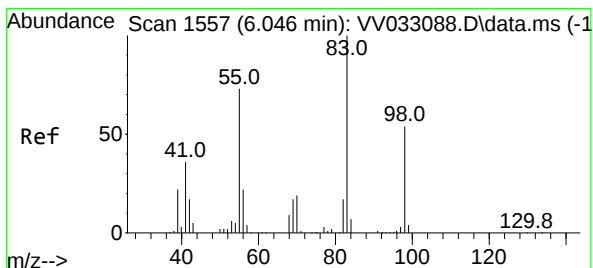
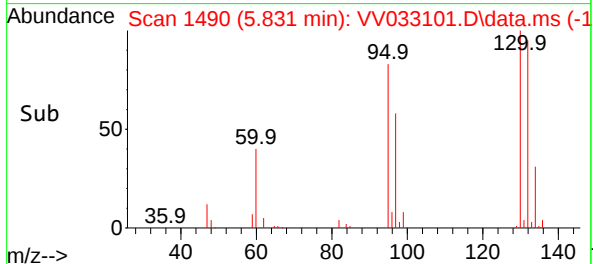
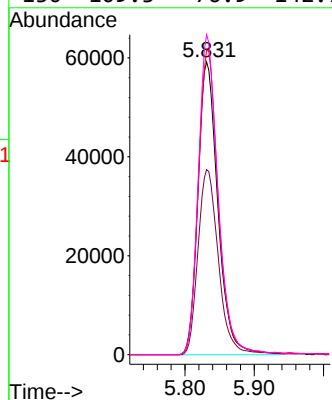
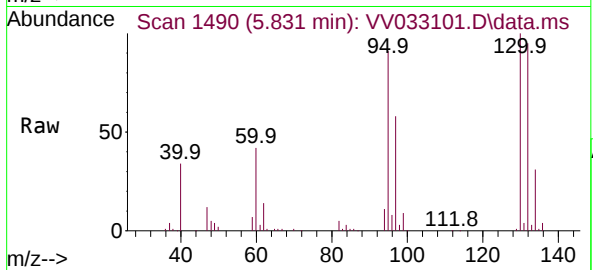




#34
Trichloroethene
Concen: 45.313 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

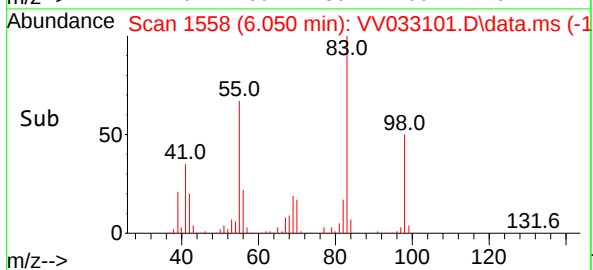
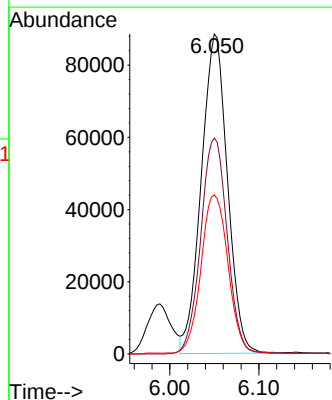
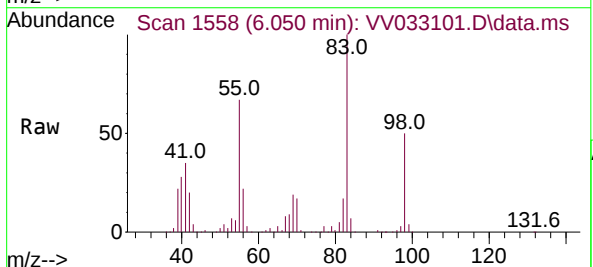
Instrument :
MSVOA_V
ClientSampleId :

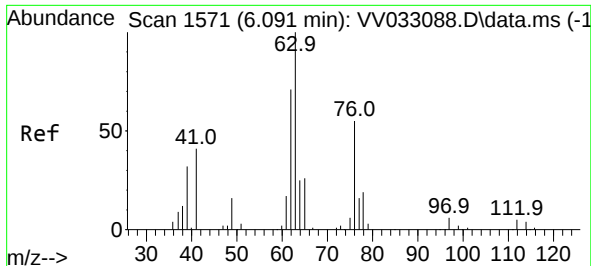
Tgt Ion: 95 Resp: 118688
Ion Ratio Lower Upper
95 100
97 63.2 45.8 85.0
132 104.1 77.4 143.8
130 109.3 76.9 142.7



#35
Methylcyclohexane
Concen: 47.574 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 83 Resp: 180854
Ion Ratio Lower Upper
83 100
55 68.3 54.8 82.2
98 51.1 41.4 62.0





#37

1,2-Dichloropropane

Concen: 47.260 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

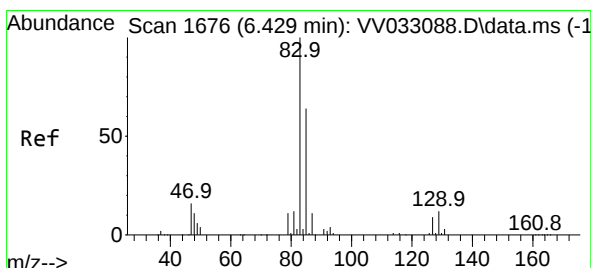
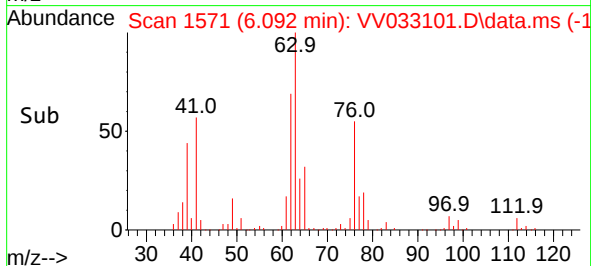
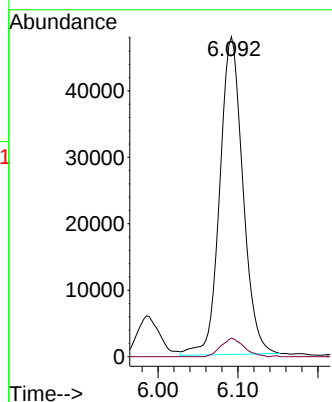
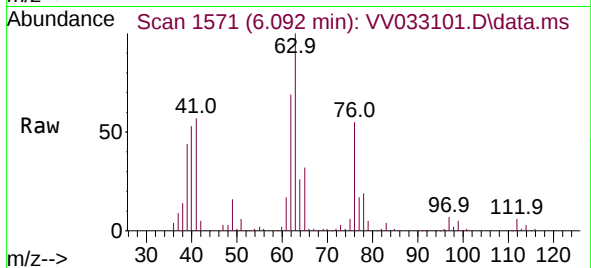
ClientSampleId :

Tgt Ion: 63 Resp: 95895

Ion Ratio Lower Upper

63 100

112 5.8 4.6 6.8



#38

Bromodichloromethane

Concen: 47.470 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

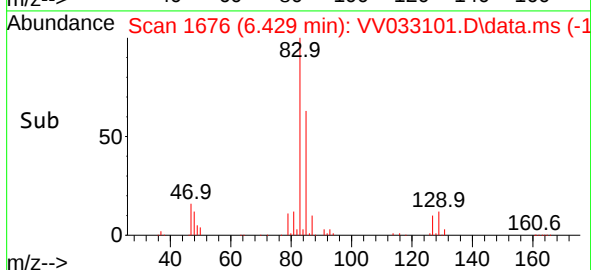
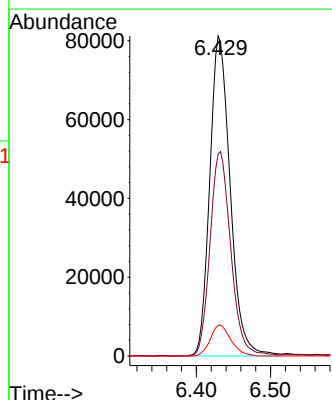
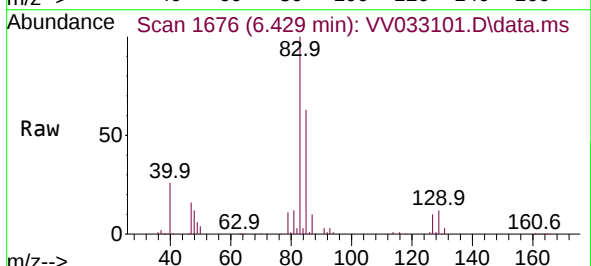
Tgt Ion: 83 Resp: 155283

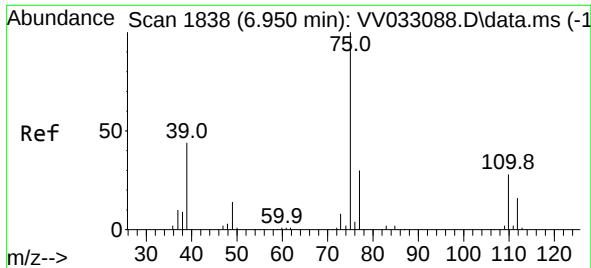
Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.6

127 9.5 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 48.161 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

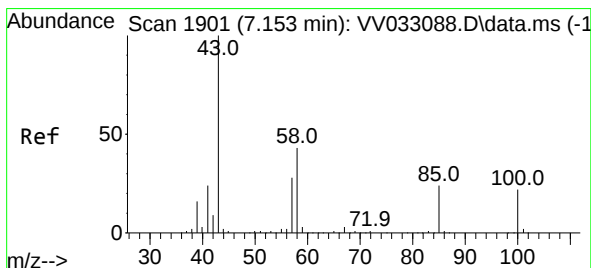
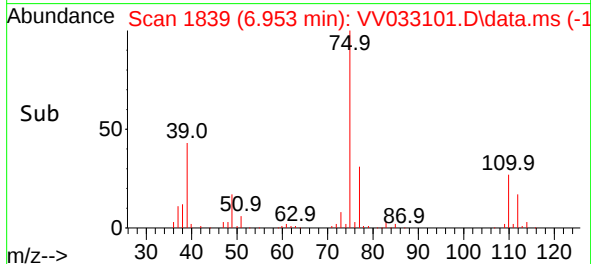
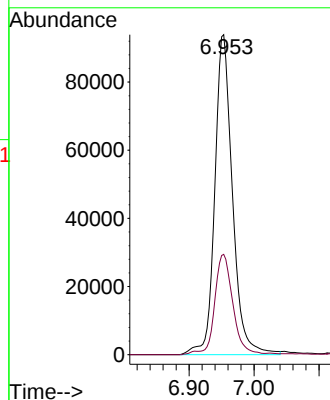
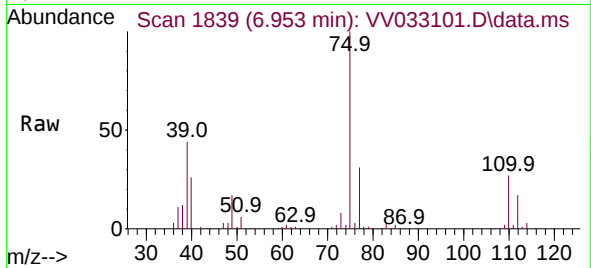
ClientSampleId :

Tgt Ion: 75 Resp: 177325

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 88.535 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

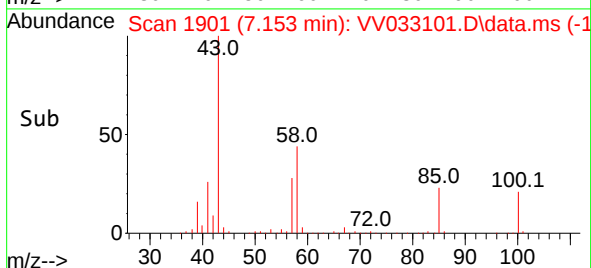
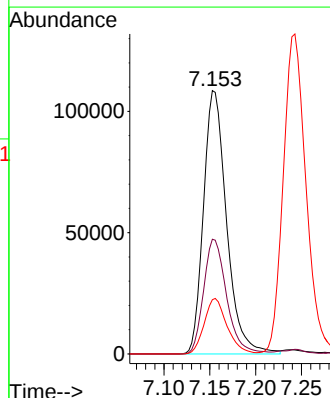
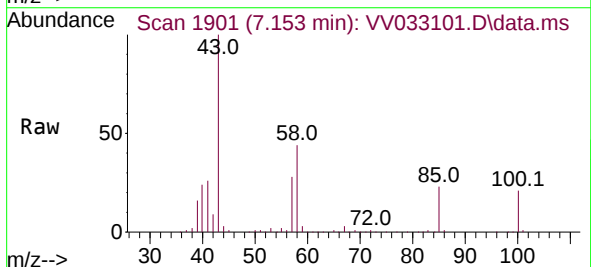
Tgt Ion: 43 Resp: 190739

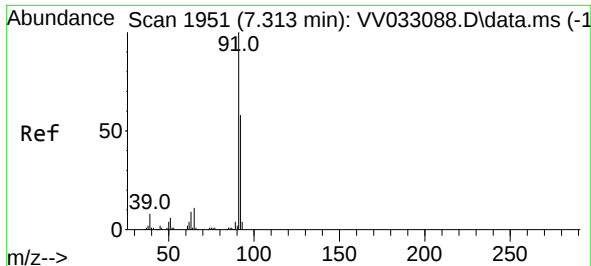
Ion Ratio Lower Upper

43 100

58 43.4 34.5 51.7

100 20.8 17.0 25.6

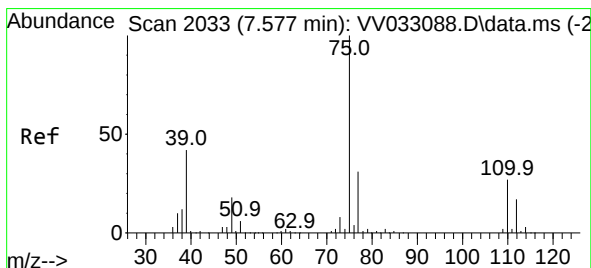
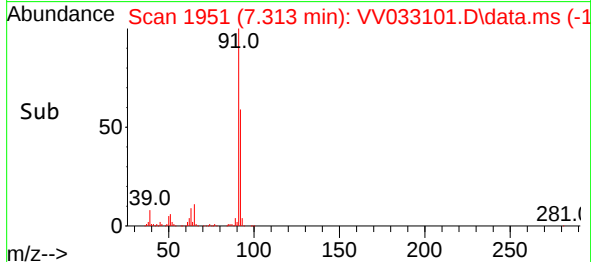
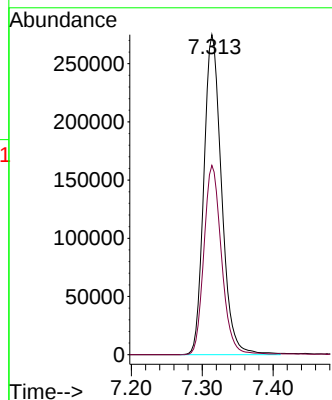
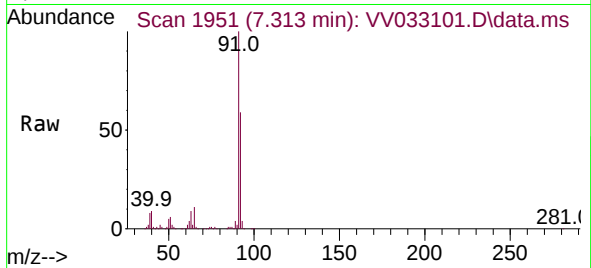




#42
Toluene
Concen: 48.324 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

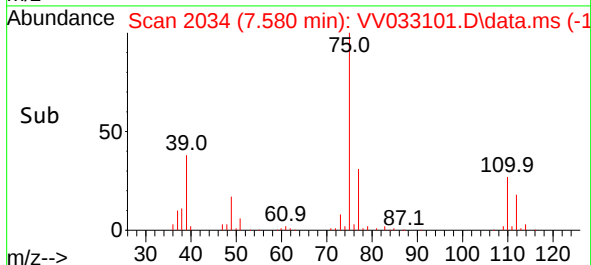
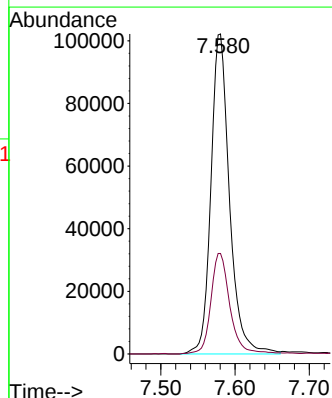
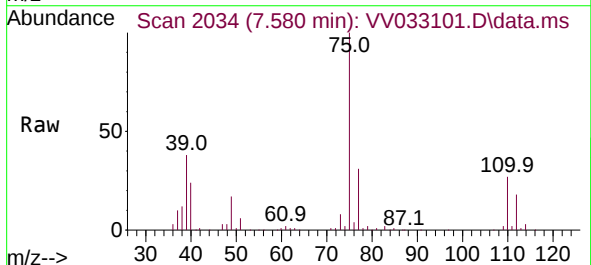
Instrument :
MSVOA_V
ClientSampleId :

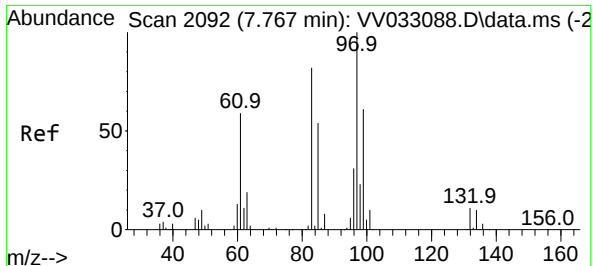
Tgt Ion: 91 Resp: 477429
Ion Ratio Lower Upper
91 100
92 59.1 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 47.667 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 75 Resp: 177466
Ion Ratio Lower Upper
75 100
77 31.4 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 46.518 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 109442

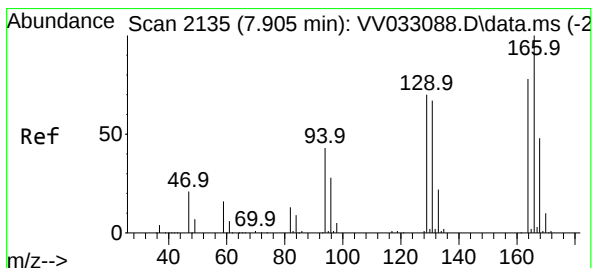
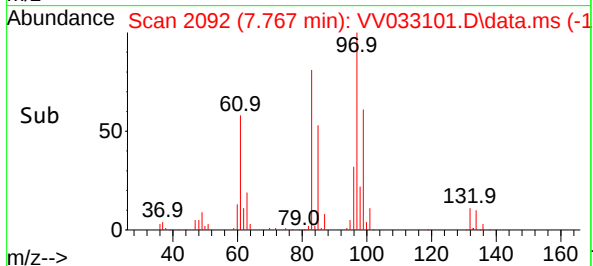
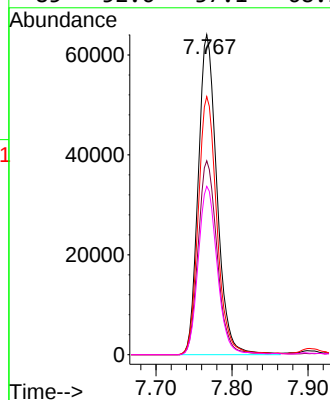
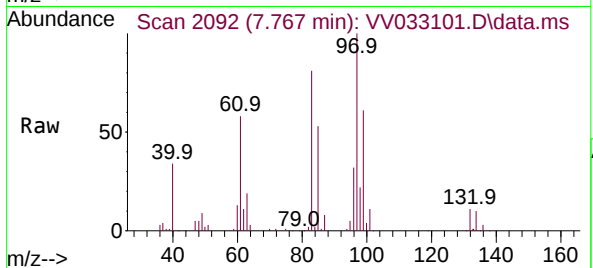
Ion Ratio Lower Upper

97 100

99 60.6 43.2 80.2

83 80.6 55.8 103.6

85 52.6 37.1 68.9



#46

Tetrachloroethene

Concen: 47.875 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Tgt Ion:164 Resp: 107799

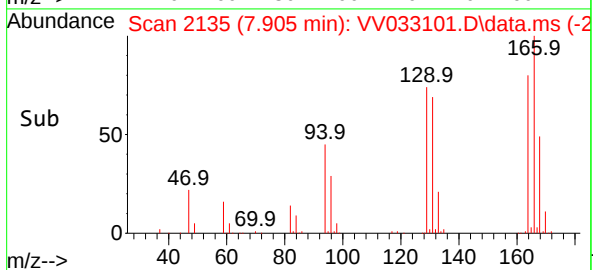
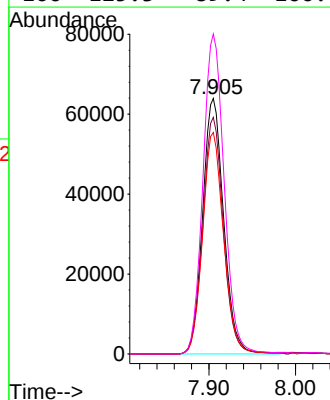
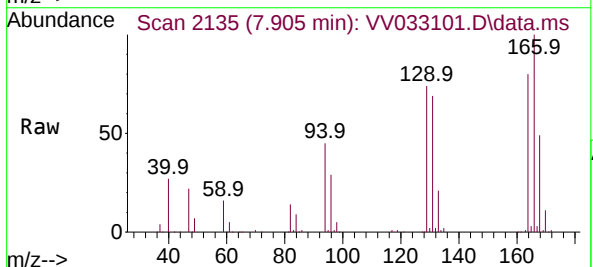
Ion Ratio Lower Upper

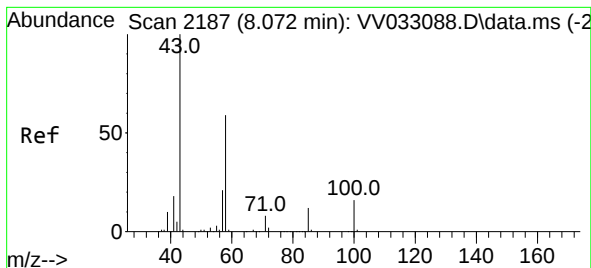
164 100

129 92.6 65.6 121.8

131 86.7 64.7 120.1

166 125.3 89.4 166.0





#48

2-Hexanone

Concen: 85.867 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 153377

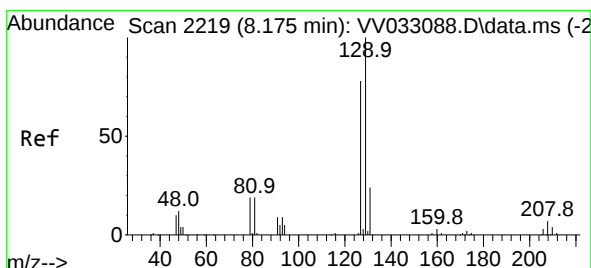
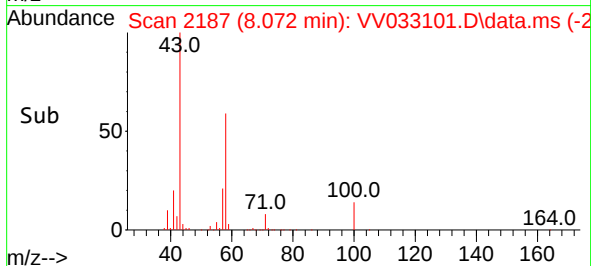
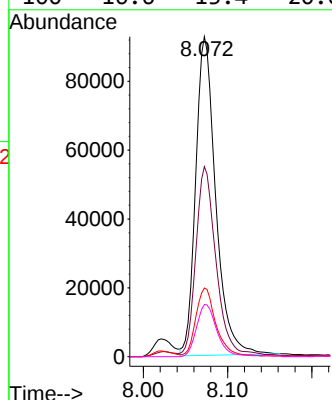
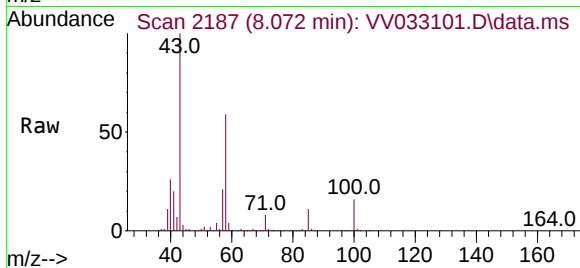
Ion Ratio Lower Upper

43 100

58 59.0 47.9 71.9

57 21.4 17.4 26.0

100 16.6 13.4 20.0



#49

Dibromochloromethane

Concen: 46.960 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV033101.D

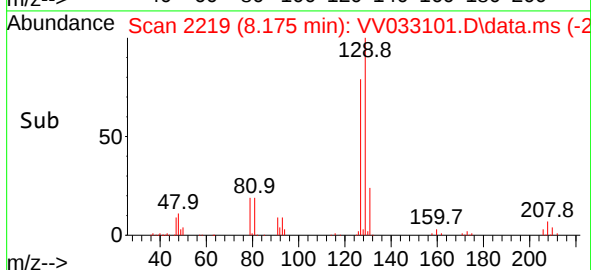
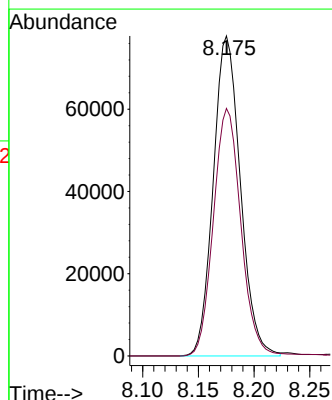
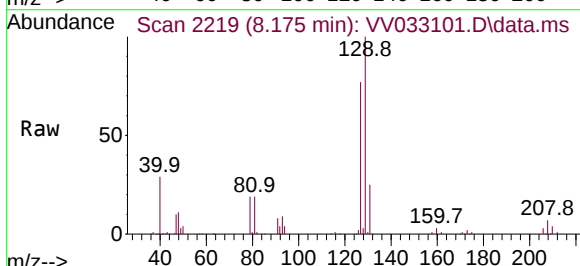
Acq: 05 Dec 2023 11:06

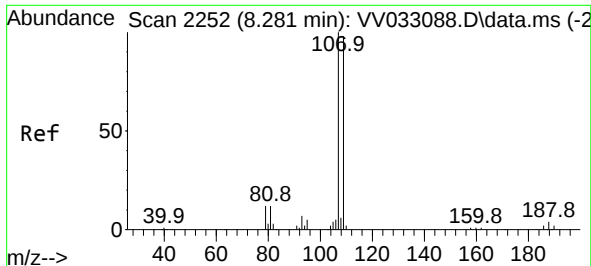
Tgt Ion: 129 Resp: 131888

Ion Ratio Lower Upper

129 100

127 77.3 54.1 100.5





#50

1,2-Dibromoethane

Concen: 46.739 ug/L

RT: 8.281 min Scan# 2117

Delta R.T. 0.000 min

Lab File: VV033101.D

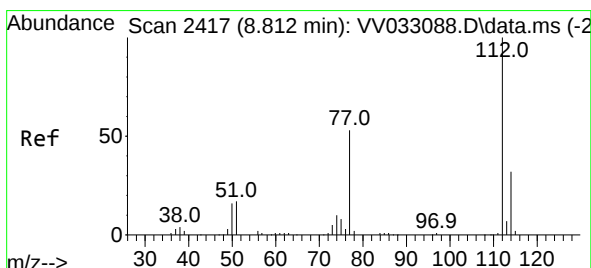
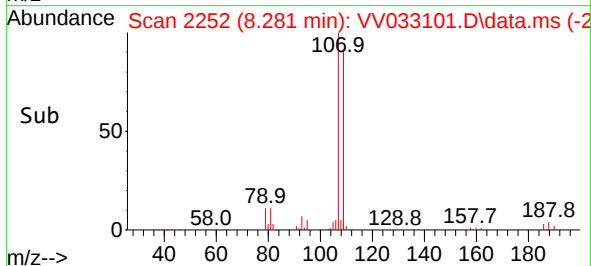
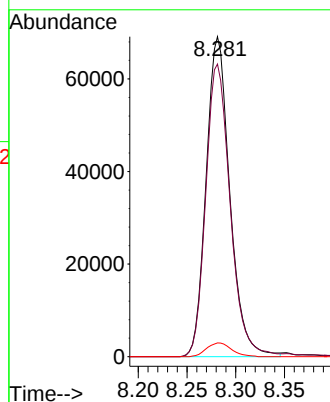
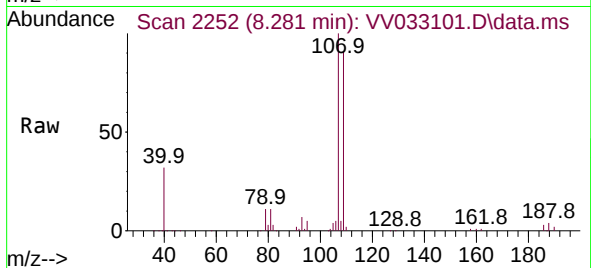
Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	117234
Ion	Ratio	Lower Upper
107	100	
109	91.5	65.2 121.2
188	4.3	3.8 5.6



#51

Chlorobenzene

Concen: 46.555 ug/L

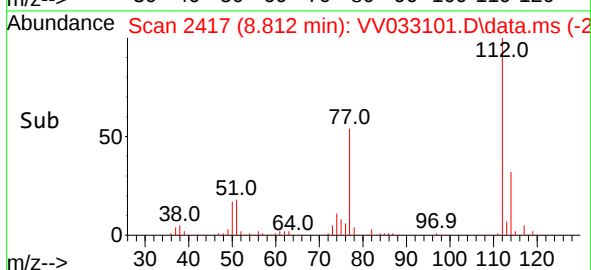
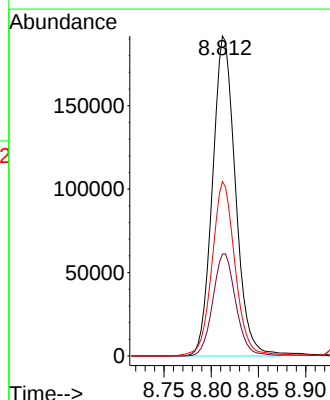
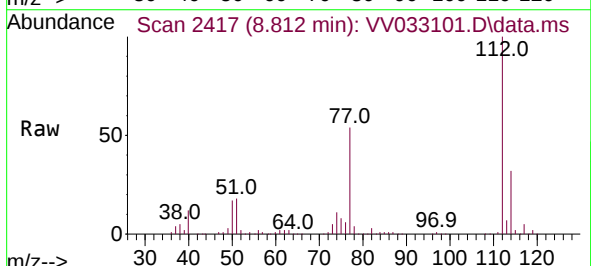
RT: 8.812 min Scan# 2417

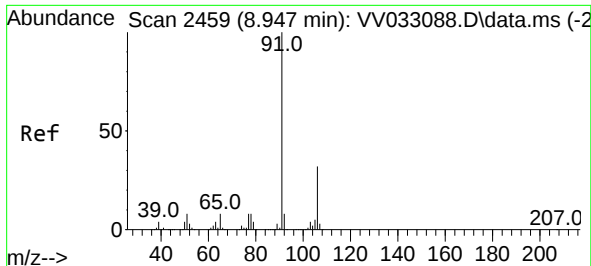
Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Tgt Ion:112	Resp:	323449
Ion	Ratio	Lower Upper
112	100	
114	31.9	22.9 42.5
77	54.5	42.6 64.0

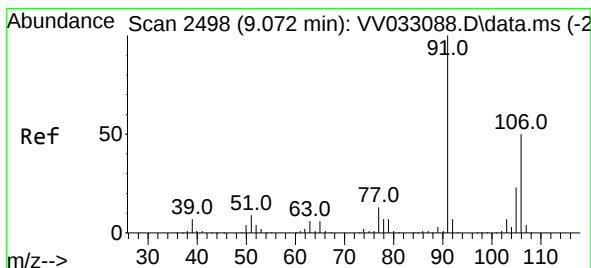
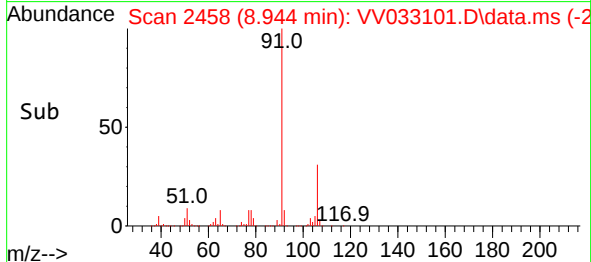
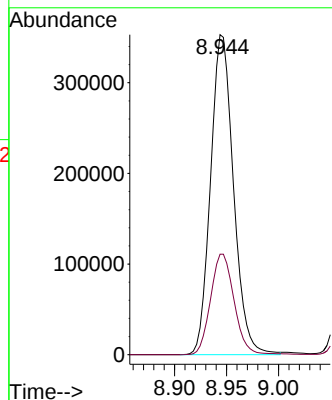
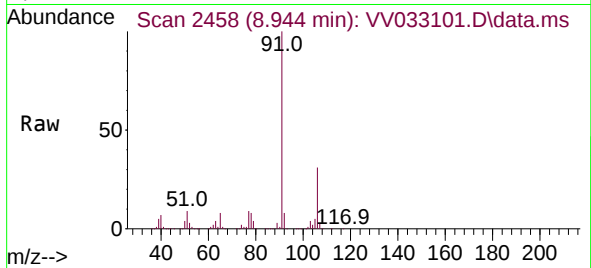




#52
Ethylbenzene
Concen: 47.619 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

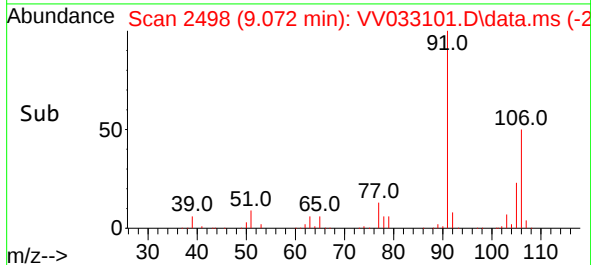
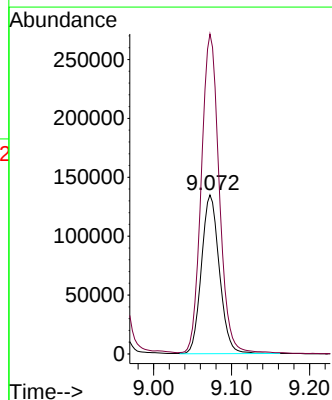
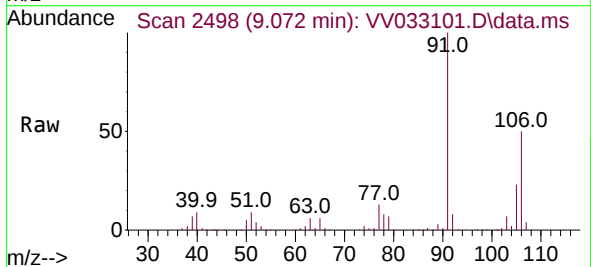
Instrument :
MSVOA_V
ClientSampleId :

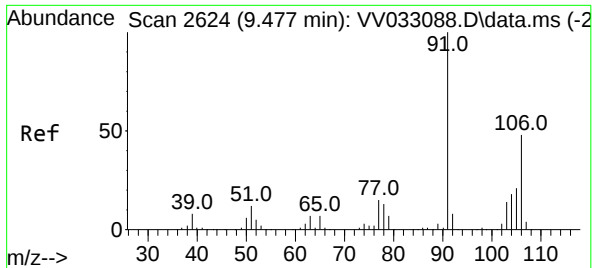
Tgt Ion: 91 Resp: 541523
Ion Ratio Lower Upper
91 100
106 31.4 22.6 42.0



#53
m,p-Xylene
Concen: 47.755 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 106 Resp: 215063
Ion Ratio Lower Upper
106 100
91 201.2 145.2 269.6

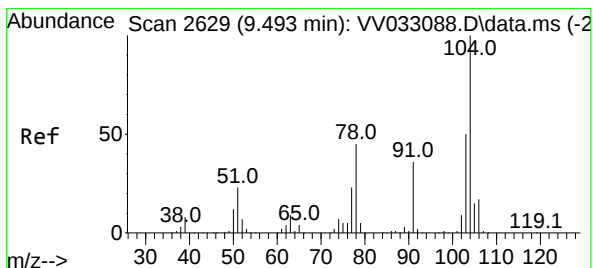
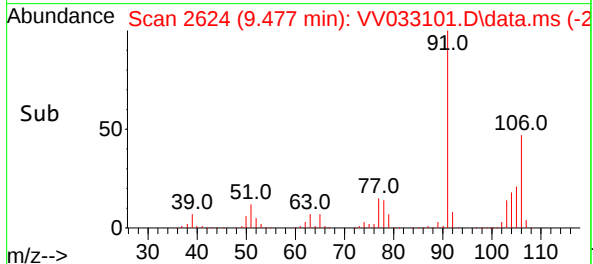
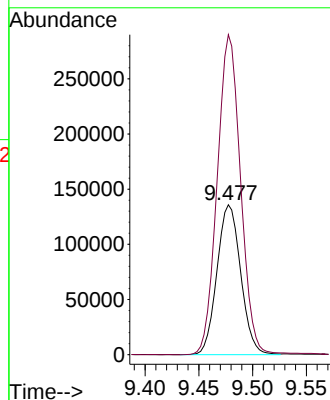
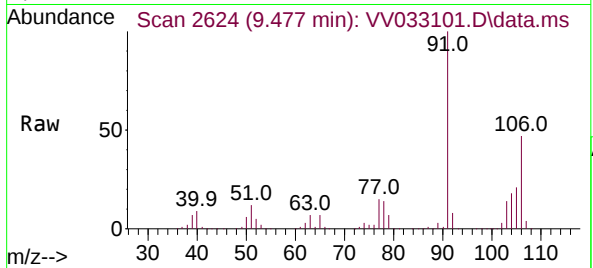




#54
o-Xylene
Concen: 46.960 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

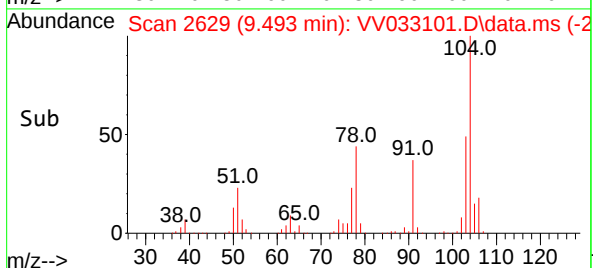
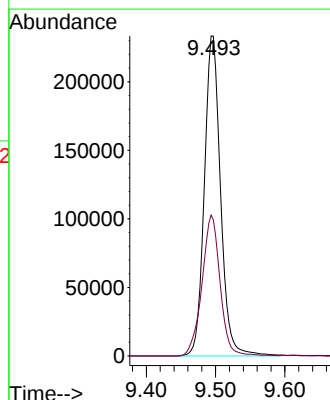
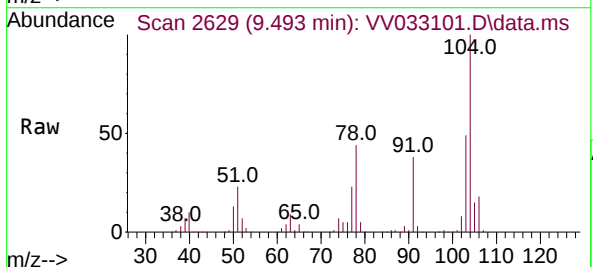
Instrument :
MSVOA_V
ClientSampleId :

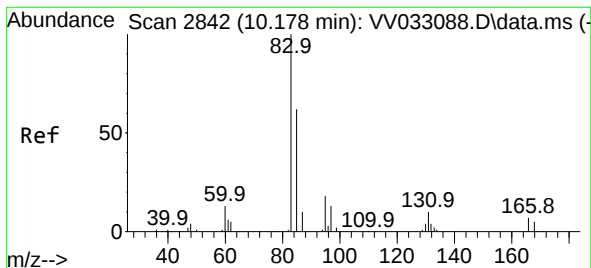
Tgt Ion:106 Resp: 208686
Ion Ratio Lower Upper
106 100
91 213.3 147.8 274.6



#55
Styrene
Concen: 49.418 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion:104 Resp: 379906
Ion Ratio Lower Upper
104 100
78 44.0 30.2 56.0

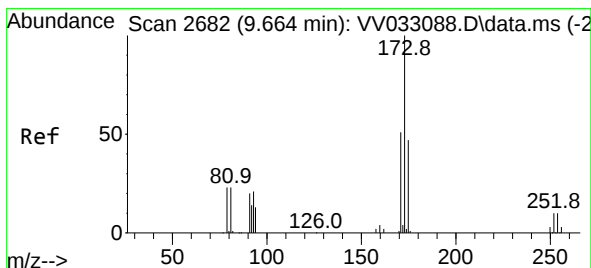
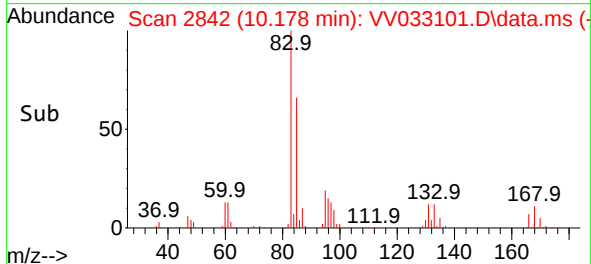
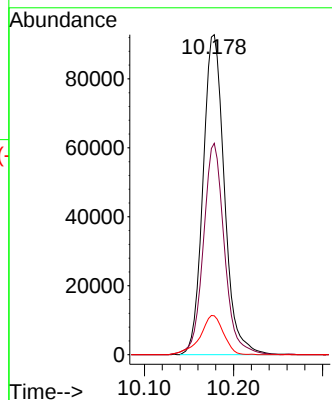
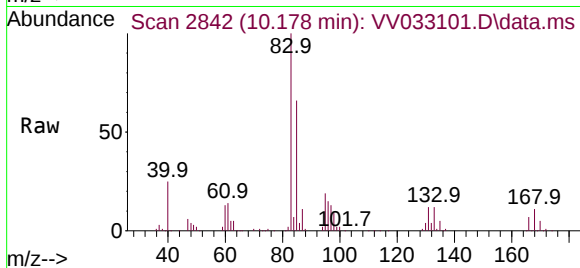




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.993 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

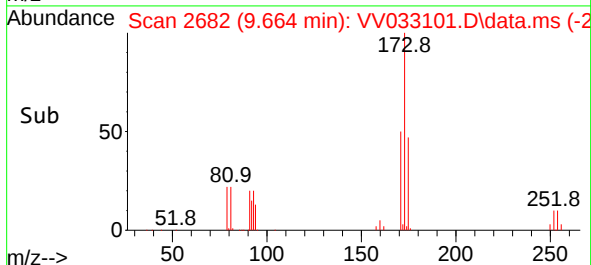
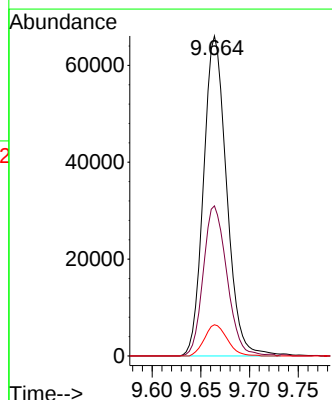
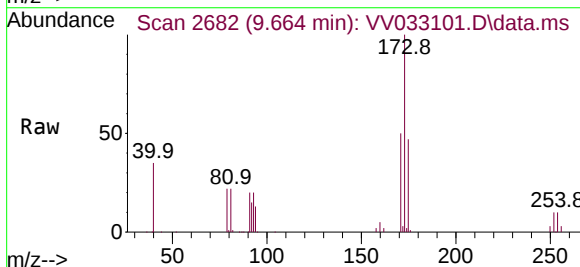
Instrument :
 MSVOA_V
 ClientSampleId :

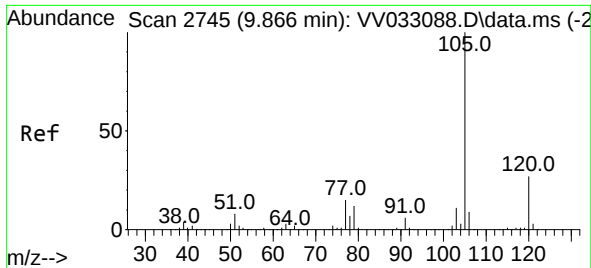
Tgt Ion: 83 Resp: 154266
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.5 84.5
 131 12.1 9.7 14.5



#59
 Bromoform
 Concen: 47.332 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

Tgt Ion: 173 Resp: 108930
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.7 58.1
 254 9.6 8.0 12.0

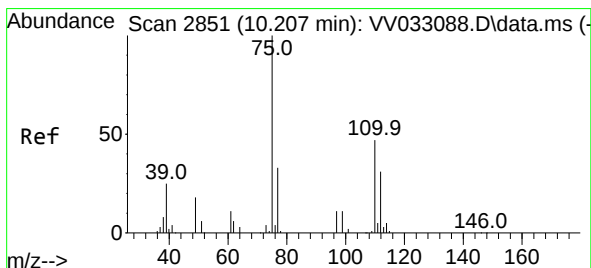
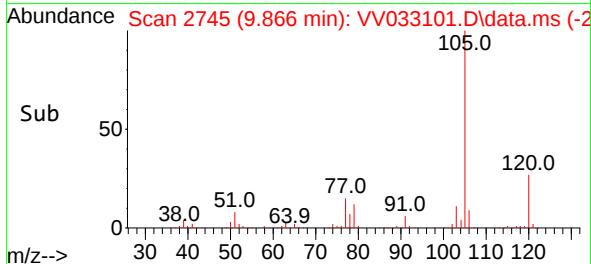
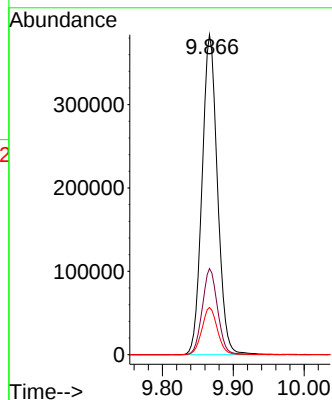
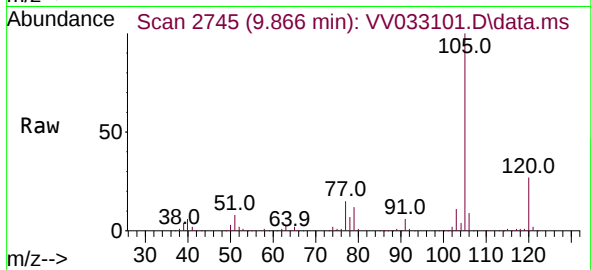




#60
Isopropylbenzene
Concen: 47.347 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

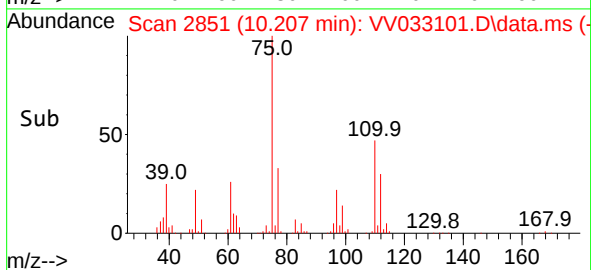
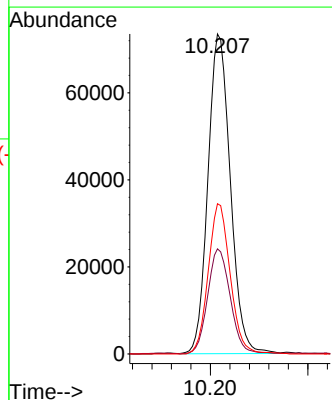
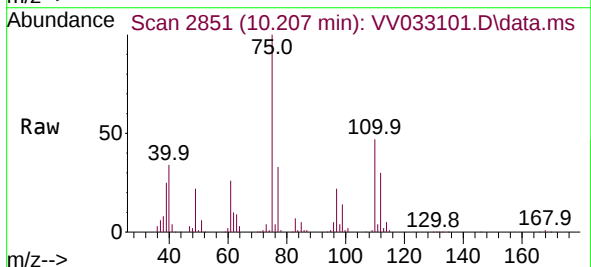
Instrument :
MSVOA_V
ClientSampleId :

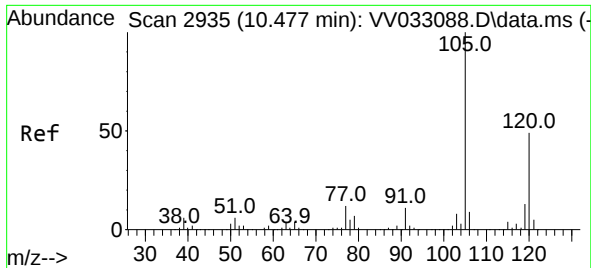
Tgt Ion:105 Resp: 578889
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 14.8 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 44.346 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 75 Resp: 117253
Ion Ratio Lower Upper
75 100
77 33.0 27.0 40.6
110 46.1 38.1 57.1

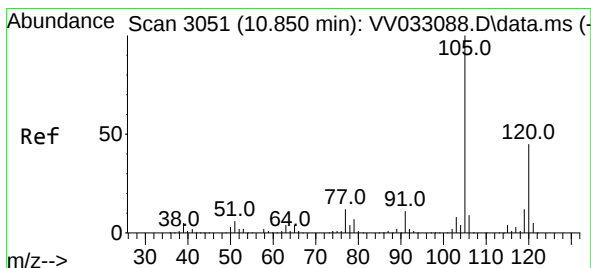
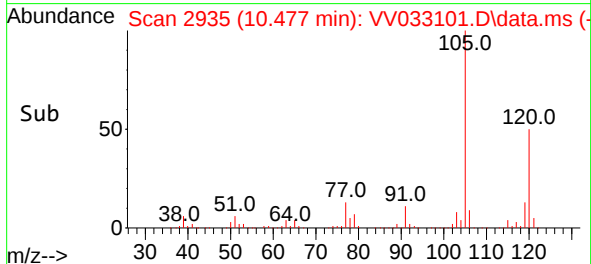
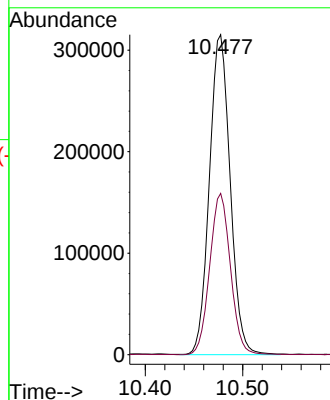
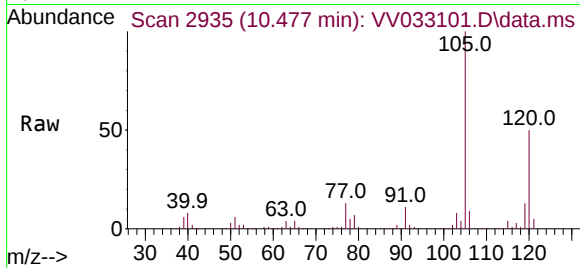




#62
 1,3,5-Trimethylbenzene
 Concen: 47.401 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

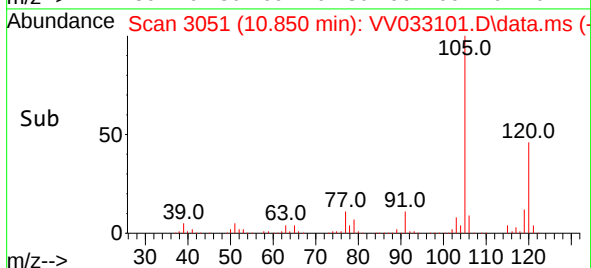
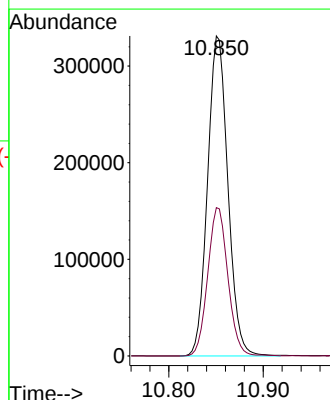
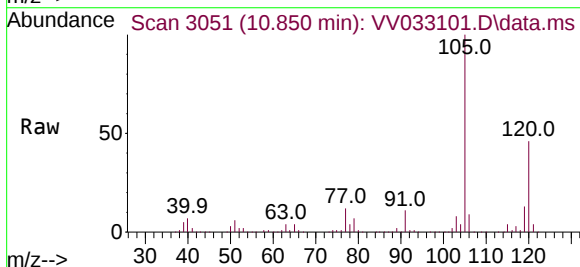
Instrument :
 MSVOA_V
 ClientSampleId :

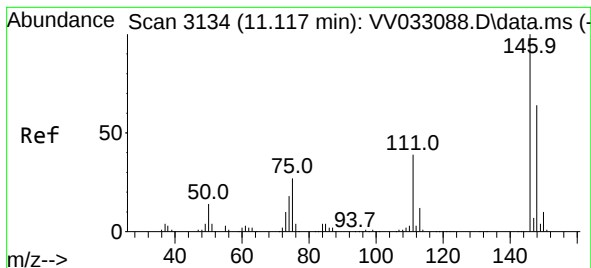
Tgt Ion:105 Resp: 466935
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 48.218 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV033101.D
 Acq: 05 Dec 2023 11:06

Tgt Ion:105 Resp: 494664
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 47.062 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

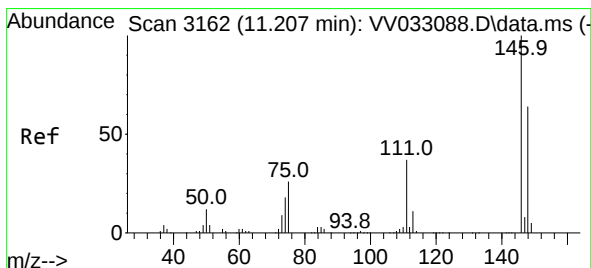
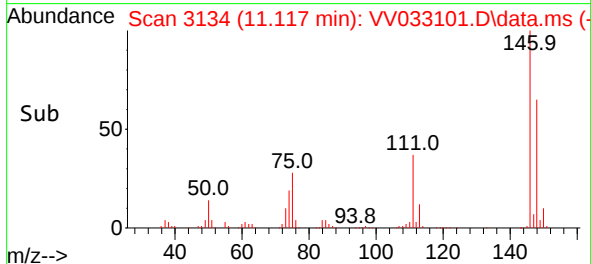
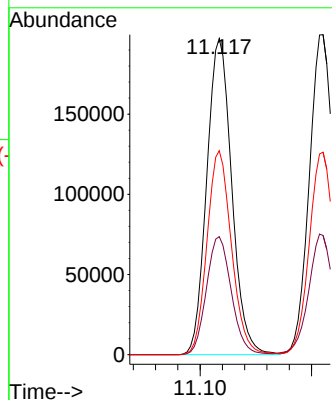
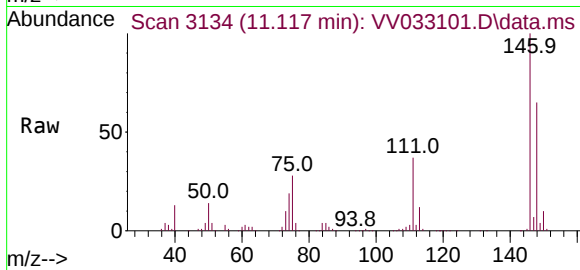
Tgt Ion:146 Resp: 307404

Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.6

148 64.5 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 46.204 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

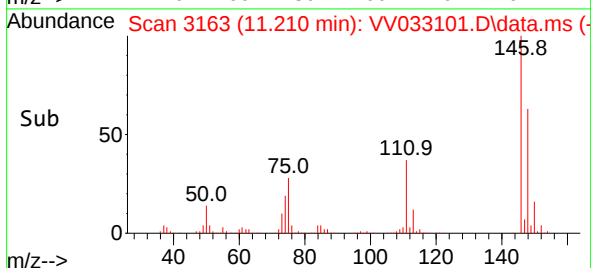
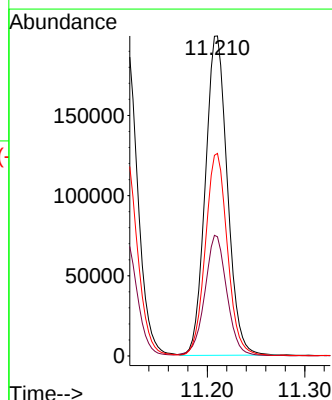
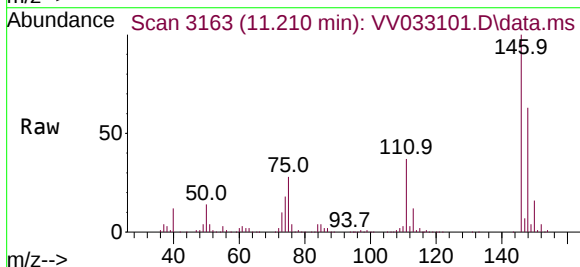
Tgt Ion:146 Resp: 313499

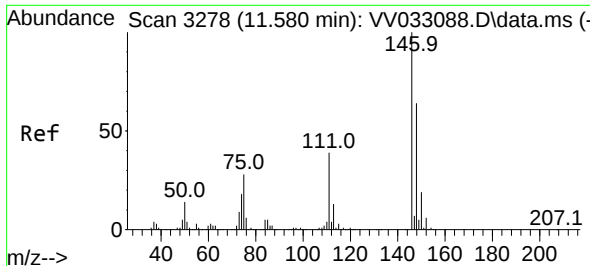
Ion Ratio Lower Upper

146 100

111 37.3 25.9 48.1

148 63.3 44.9 83.5

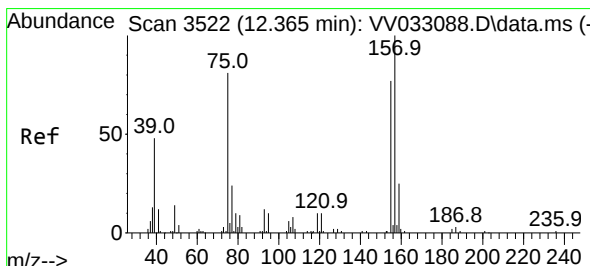
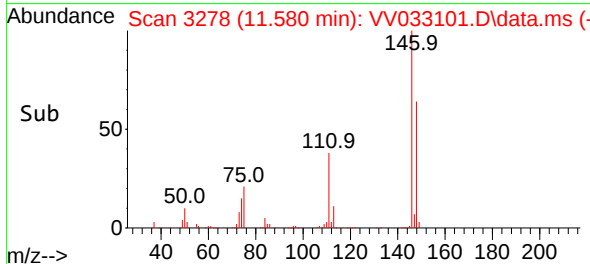
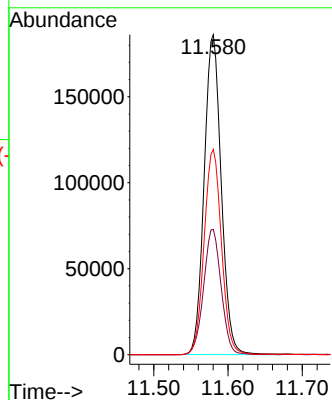
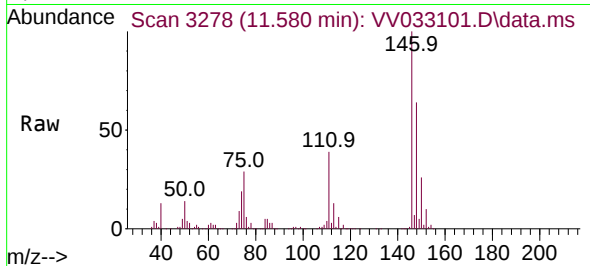




#67
1,2-Dichlorobenzene
Concen: 46.379 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

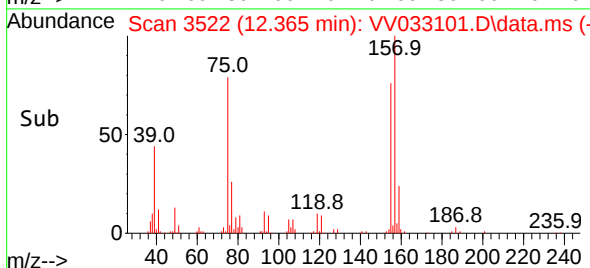
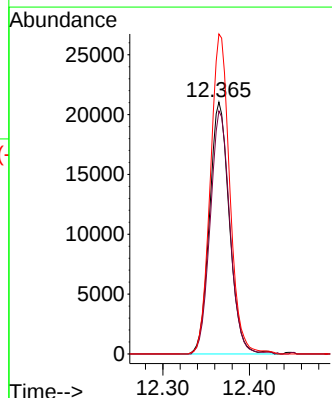
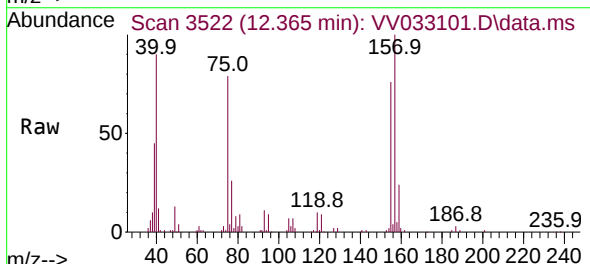
Instrument :
MSVOA_V
ClientSampleId :

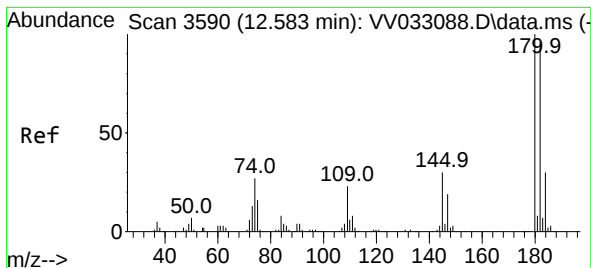
Tgt Ion:146 Resp: 296990
Ion Ratio Lower Upper
146 100
111 39.1 32.4 48.6
148 64.1 51.8 77.8



#68
1,2-Dibromo-3-chloropropane
Concen: 41.325 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033101.D
Acq: 05 Dec 2023 11:06

Tgt Ion: 75 Resp: 33527
Ion Ratio Lower Upper
75 100
155 96.5 75.8 113.6
157 127.0 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 45.441 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

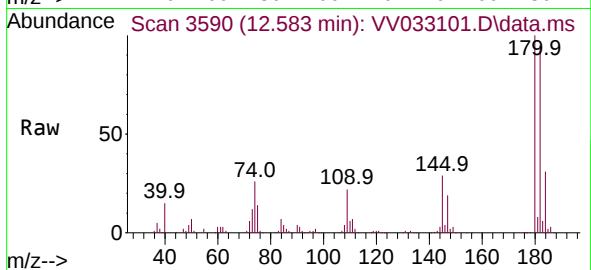
Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 237753

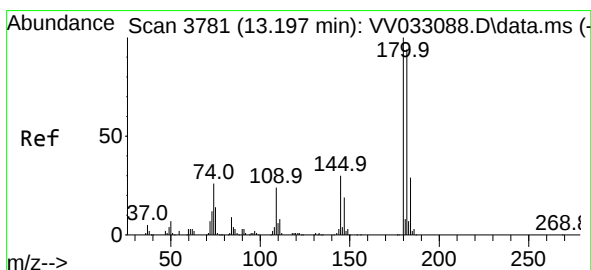
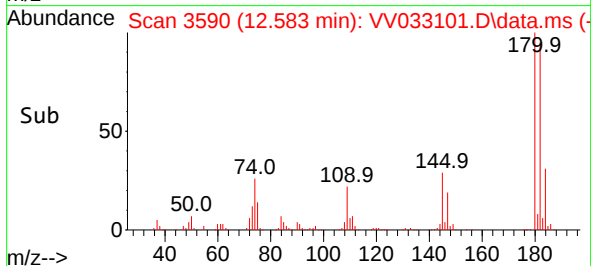
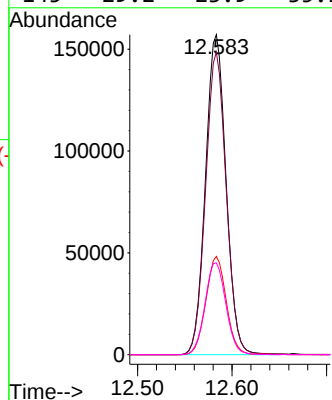
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 30.4 24.2 36.4

145 29.2 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 45.524 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

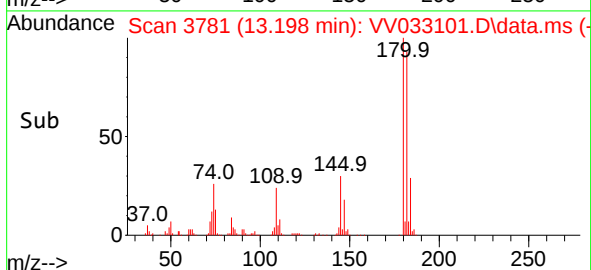
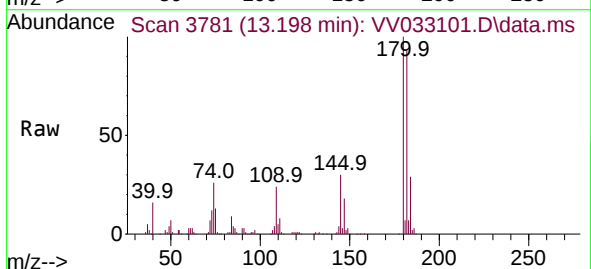
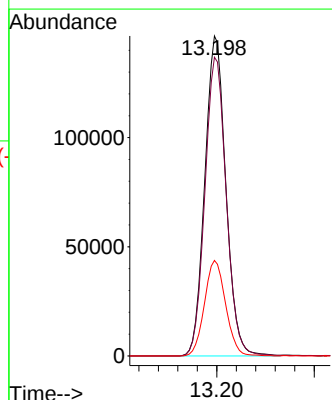
Tgt Ion:180 Resp: 220055

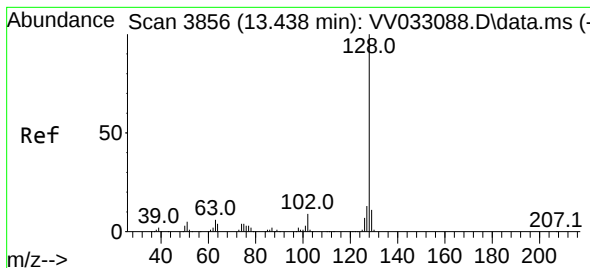
Ion Ratio Lower Upper

180 100

182 94.7 76.3 114.5

145 30.0 23.4 35.0





#71

Naphthalene

Concen: 42.742 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Instrument :

MSVOA_V

ClientSampleId :

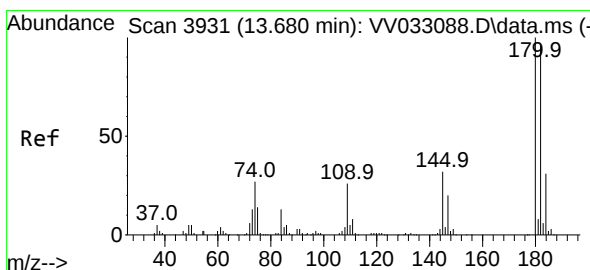
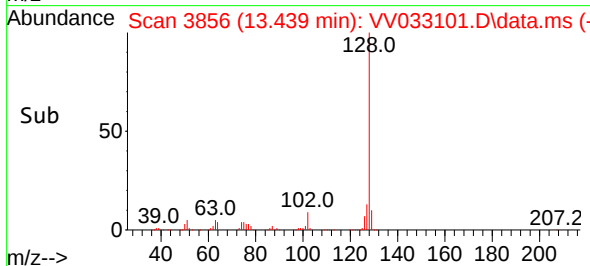
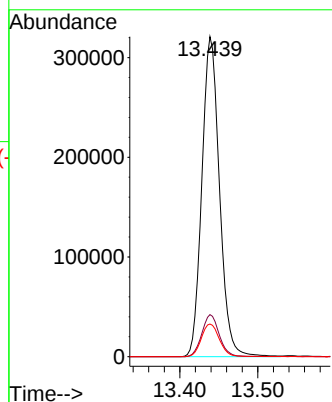
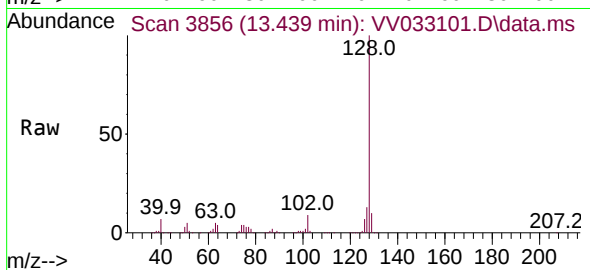
Tgt Ion:128 Resp: 503859

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.4 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.439 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033101.D

Acq: 05 Dec 2023 11:06

Tgt Ion:180 Resp: 216604

Ion Ratio Lower Upper

180 100

182 95.1 75.2 112.8

145 30.7 24.9 37.3

