

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090823\
 Data File : VV031975.D
 Acq On : 08 Sep 2023 10:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 09 05:29:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 01 00:57:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	309906	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	300643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	161526	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	106067	54.688	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.380%	
7) Chloroethane-d5	1.529	69	84287	49.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 99.140%	
11) 1,1-Dichloroethene-d2	2.056	65	45350	49.935	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.880%	
21) 2-Butanone-d5	3.786	46	167288	109.667	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.670%	
24) Chloroform-d	4.249	84	200521	47.301	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.600%	
26) 1,2-Dichloroethane-d4	4.944	65	129338	45.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 91.940%	
32) Benzene-d6	4.960	84	412080	50.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 100.460%	
36) 1,2-Dichloropropane-d6	5.992	67	131519	49.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 99.620%	
41) Toluene-d8	7.246	98	379751	50.239	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 100.480%	
43) trans-1,3-Dichloroprop...	7.555	79	70175	51.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 102.560%	
47) 2-Hexanone-d5	8.027	63	117487	145.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 145.170%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	173200	50.760	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 101.520%	
66) 1,2-Dichlorobenzene-d4	11.564	152	143027	48.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	81652	43.279	ug/L	99
3) Chloromethane	1.217	50	89915	46.738	ug/L	99
5) Vinyl chloride	1.281	62	95056	46.267	ug/L	98
6) Bromomethane	1.484	94	54788	45.291	ug/L	100
8) Chloroethane	1.545	64	64029	46.894	ug/L	100
9) Trichlorofluoromethane	1.712	101	134912	45.047	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	85253	47.146	ug/L	98
12) 1,1-Dichloroethene	2.069	96	74329	45.763	ug/L	91
13) Acetone	2.111	43	151323	111.455	ug/L	99
14) Carbon disulfide	2.240	76	175871	47.521	ug/L	99
15) Methyl Acetate	2.371	43	125626	51.881	ug/L	100
16) Methylene chloride	2.445	84	98623	47.251	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	82988	46.604	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	358066	47.579	ug/L	98
19) 1,1-Dichloroethane	3.111	63	193616	48.518	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106821	47.815	ug/L	100
22) 2-Butanone	3.867	43	193453	107.680	ug/L	95
23) Bromochloromethane	4.146	128	51433	47.453	ug/L	96
25) Chloroform	4.275	83	189843	45.755	ug/L	98

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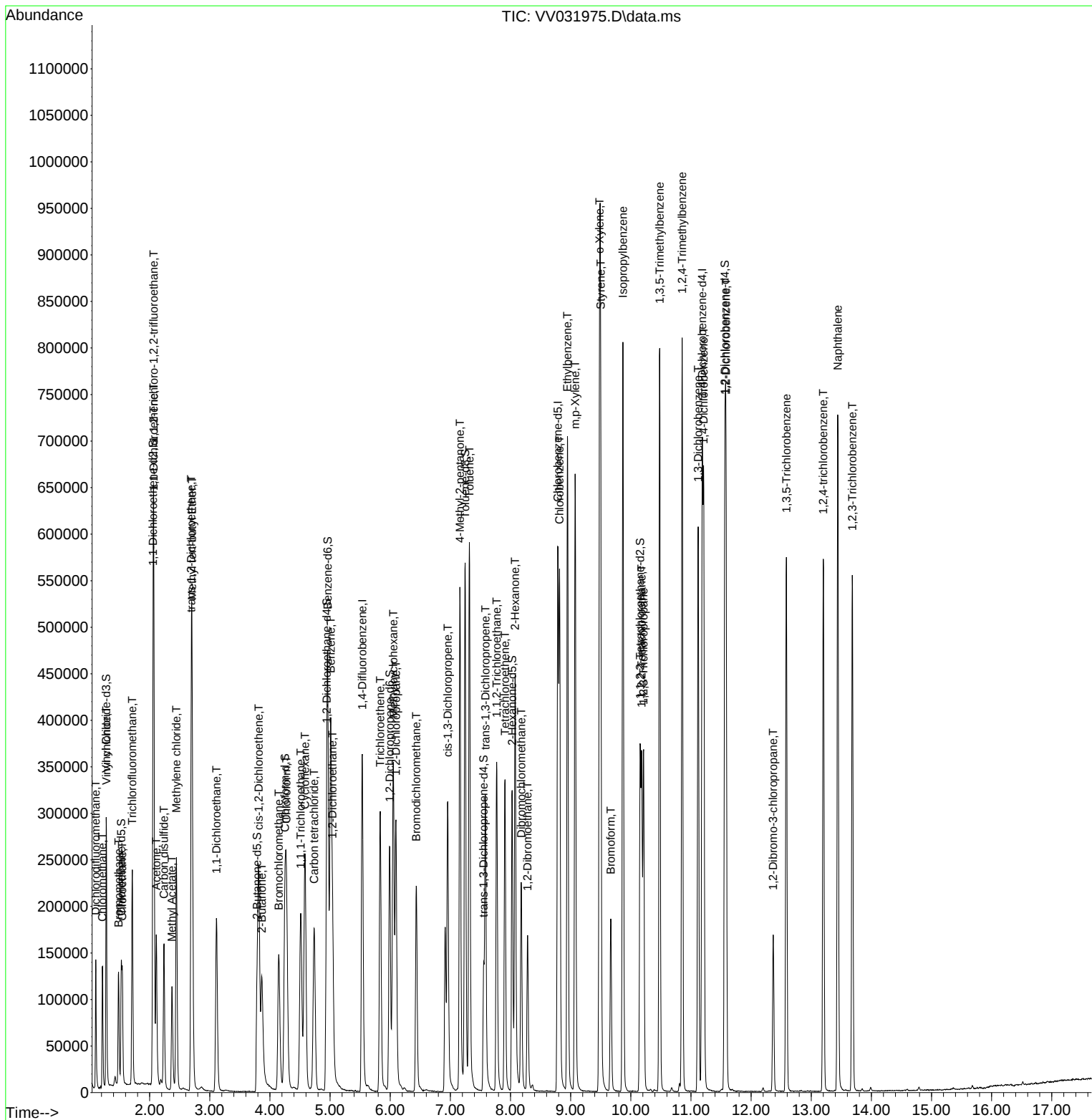
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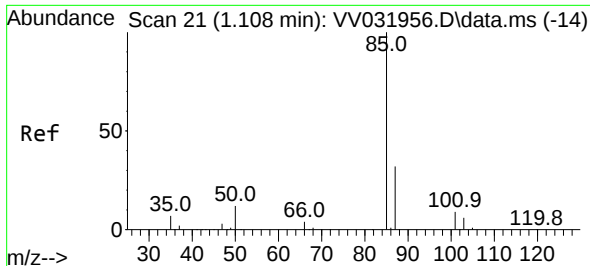
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 01 00:57:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	148826	45.530	ug/L	97
29) Cyclohexane	4.584	56	151184	48.297	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	161228	45.976	ug/L	99
31) Carbon tetrachloride	4.735	117	134630	45.212	ug/L	98
33) Benzene	5.011	78	391965	48.522	ug/L	100
34) Trichloroethene	5.834	95	108240	43.813	ug/L	99
35) Methylcyclohexane	6.053	83	150433	45.779	ug/L	97
37) 1,2-Dichloropropane	6.095	63	111252	48.588	ug/L	100
38) Bromodichloromethane	6.432	83	153354	47.186	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	187600	47.126	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	377542	103.886	ug/L	99
42) Toluene	7.317	91	422196	47.513	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	182632	47.749	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	111128	48.040	ug/L	98
46) Tetrachloroethene	7.908	164	72814	46.939	ug/L	97
48) 2-Hexanone	8.079	43	294452	106.097	ug/L	98
49) Dibromochloromethane	8.178	129	113511	47.752	ug/L	97
50) 1,2-Dibromoethane	8.284	107	113287	46.758	ug/L	99
51) Chlorobenzene	8.815	112	282104	47.778	ug/L	100
52) Ethylbenzene	8.947	91	494594	46.988	ug/L	99
53) m,p-Xylene	9.075	106	184028	47.087	ug/L	98
54) o-Xylene	9.480	106	182193	46.872	ug/L	100
55) Styrene	9.500	104	324586	47.236	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	176027	53.755	ug/L	99
59) Bromoform	9.667	173	80060	47.797	ug/L	99
60) Isopropylbenzene	9.870	105	503998	46.586	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	144915	47.487	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	417532	45.873	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	425331	46.453	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	229274	47.287	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	234225	47.508	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	226339	47.110	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	43438	47.388	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	162730	46.039	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	160873	47.416	ug/L	100
71) Naphthalene	13.442	128	541022	49.910	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	154897	47.644	ug/L	99

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

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QLast Update : Fri Sep 01 00:57:38 2023
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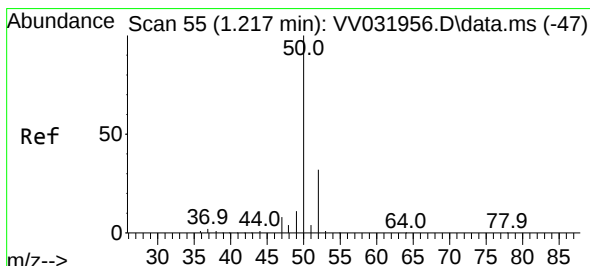
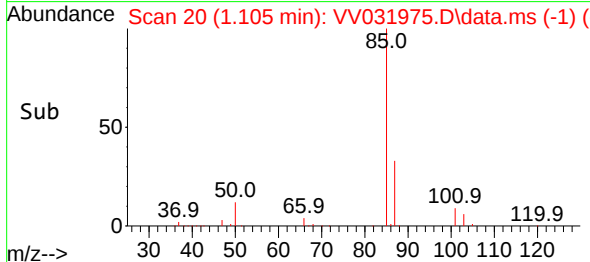
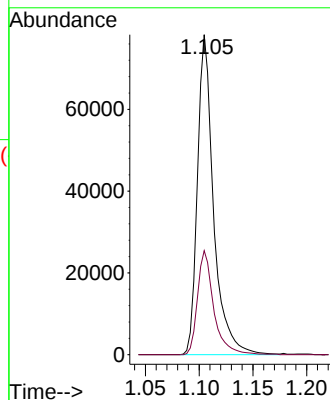
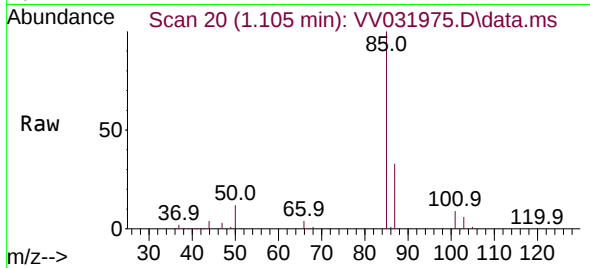




#2
 Dichlorodifluoromethane
 Concen: 43.279 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

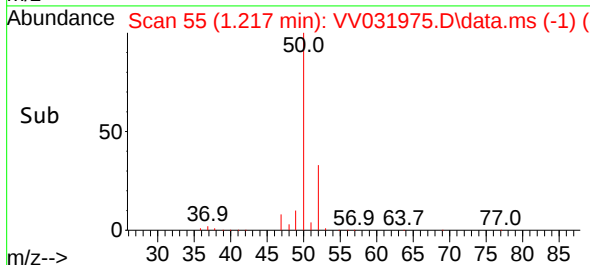
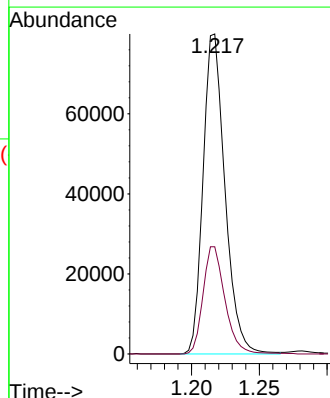
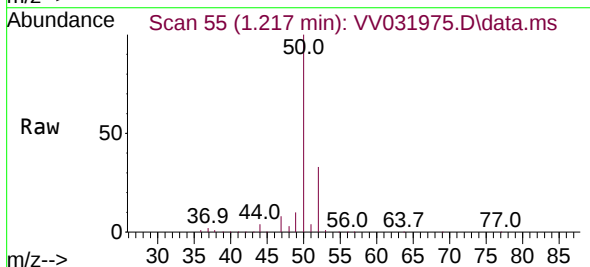
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 MSVOA_V
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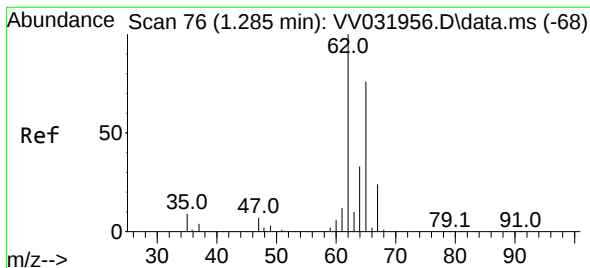
Tgt Ion: 85 Resp: 81652
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.8 40.2



#3
 Chloromethane
 Concen: 46.738 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

Tgt Ion: 50 Resp: 89915
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.0 42.6





#5

Vinyl chloride

Concen: 46.267 ug/L

RT: 1.281 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

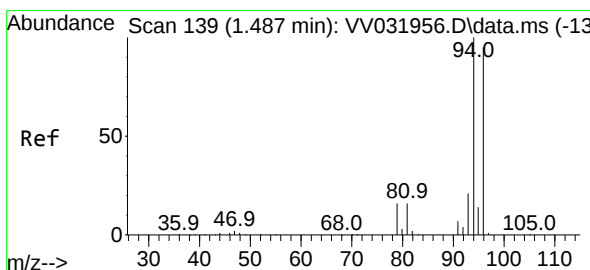
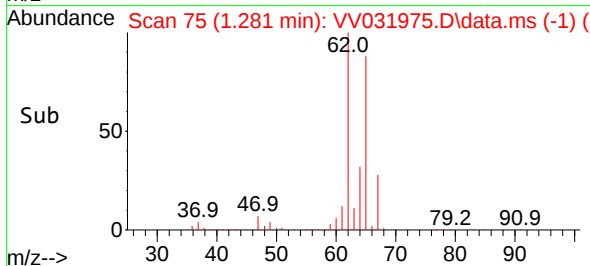
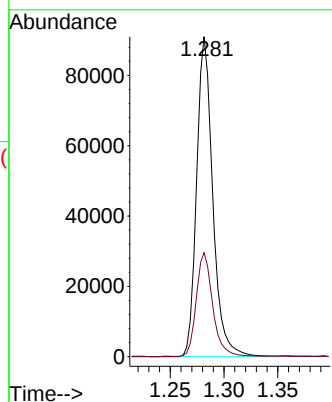
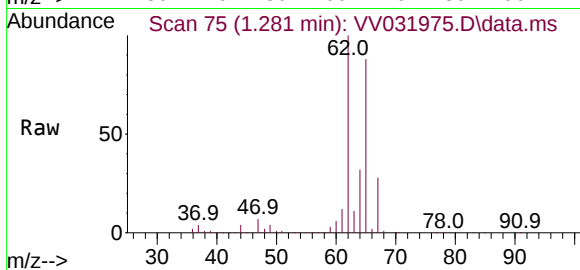
ClientSampleId :

Tgt Ion: 62 Resp: 95056

Ion Ratio Lower Upper

62 100

64 32.5 23.6 43.8



#6

Bromomethane

Concen: 45.291 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV031975.D

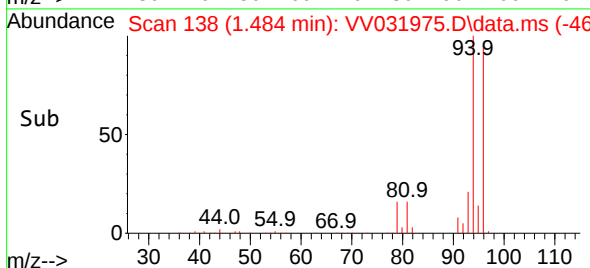
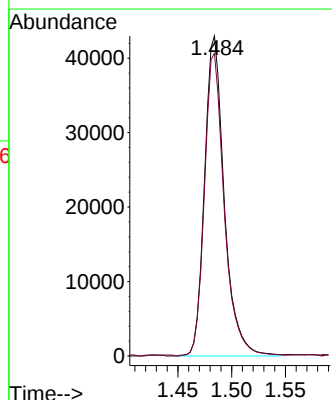
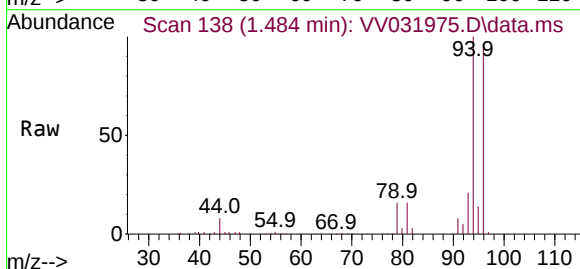
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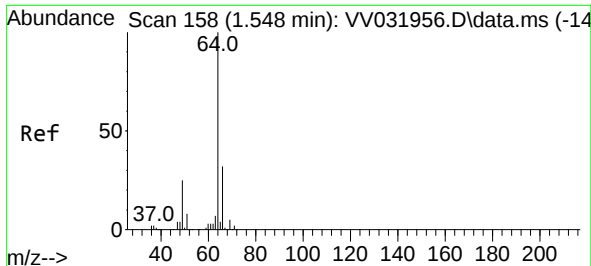
Tgt Ion: 94 Resp: 54788

Ion Ratio Lower Upper

94 100

96 94.6 66.4 123.4

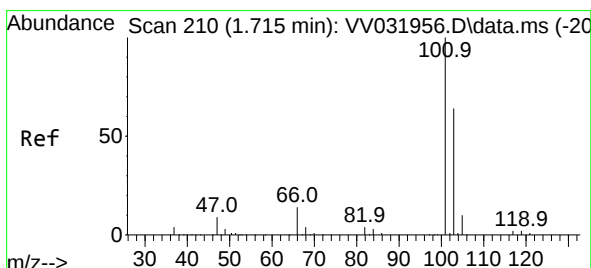
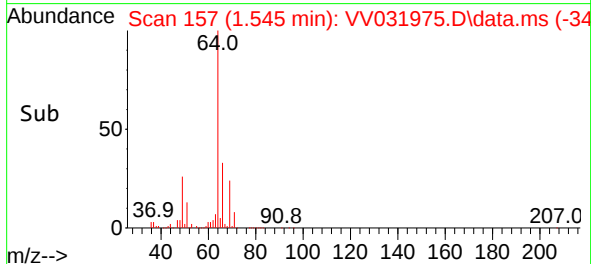
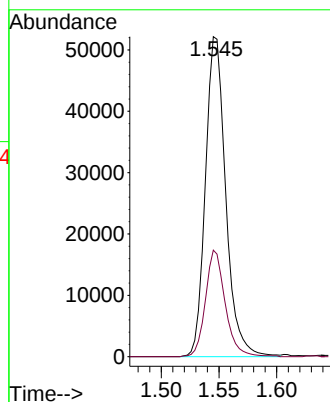
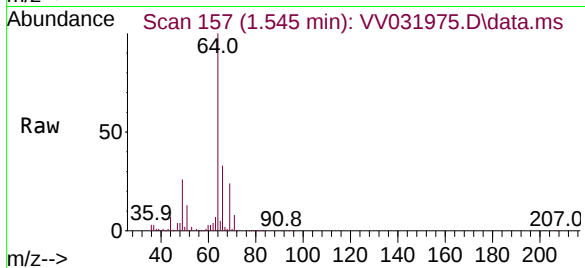




#8
Chloroethane
Concen: 46.894 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

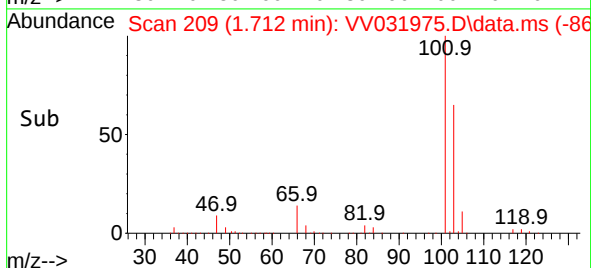
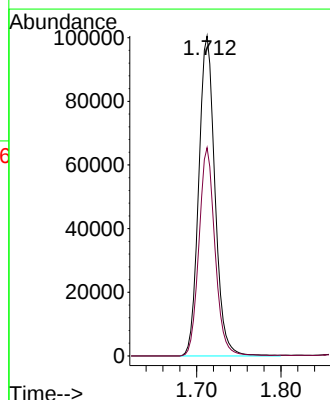
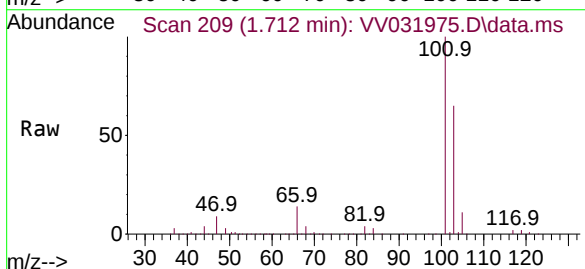
Instrument :
MSVOA_V
ClientSampleId :

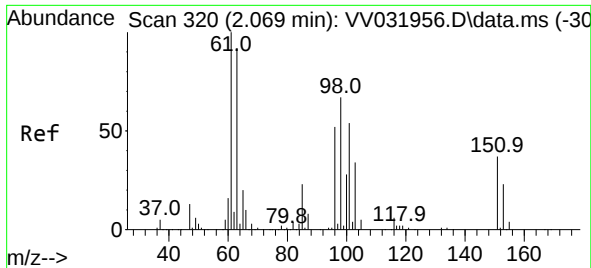
Tgt Ion: 64 Resp: 64029
Ion Ratio Lower Upper
64 100
66 33.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 45.047 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion:101 Resp: 134912
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

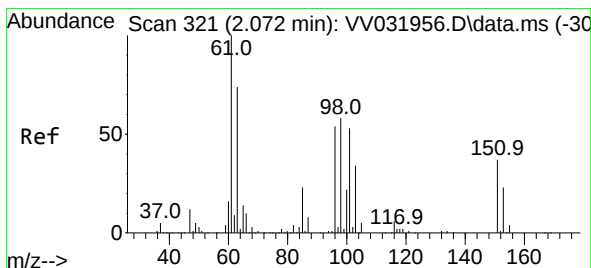
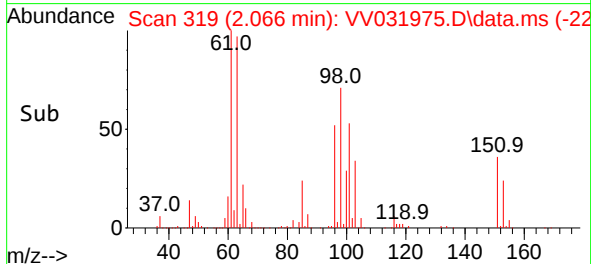
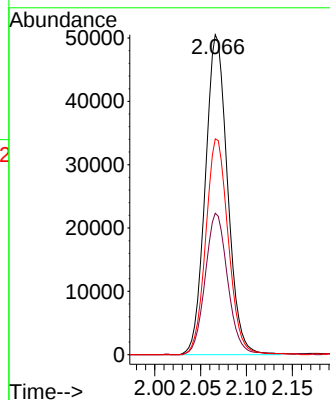
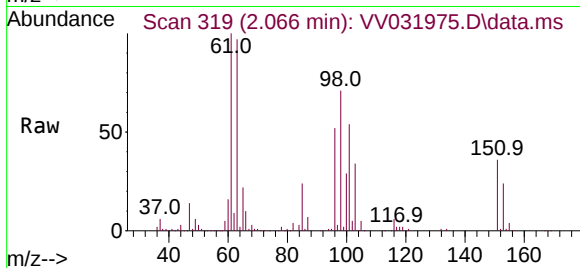




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.146 ug/L
 RT: 2.066 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

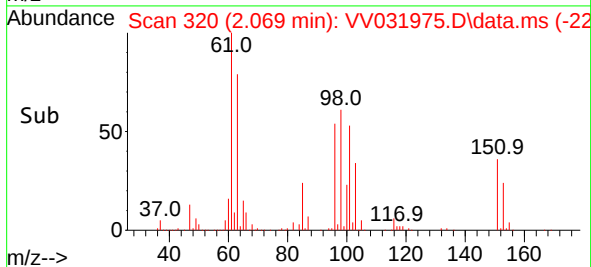
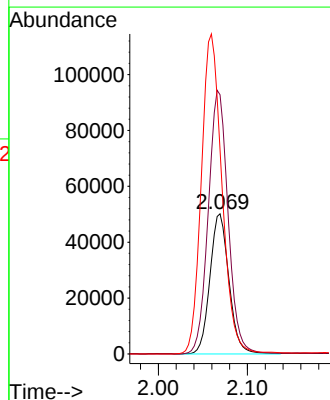
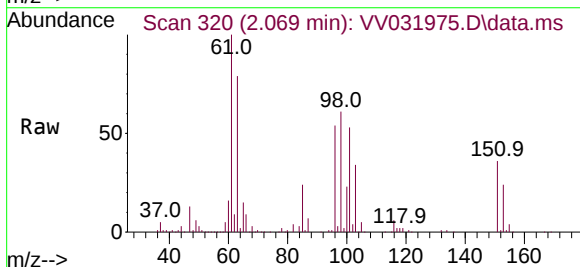
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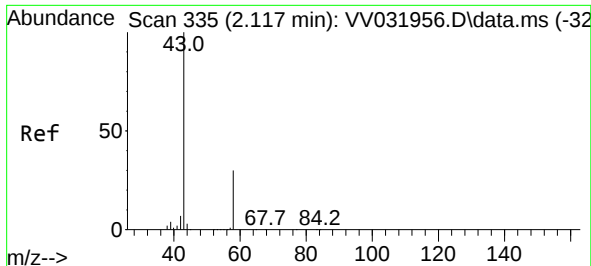
Tgt Ion:101 Resp: 85253
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.8 53.8
 151 68.2 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 45.763 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

Tgt Ion: 96 Resp: 74329
 Ion Ratio Lower Upper
 96 100
 61 184.9 133.8 248.6
 63 145.6 115.2 214.0





#13

Acetone

Concen: 111.455 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

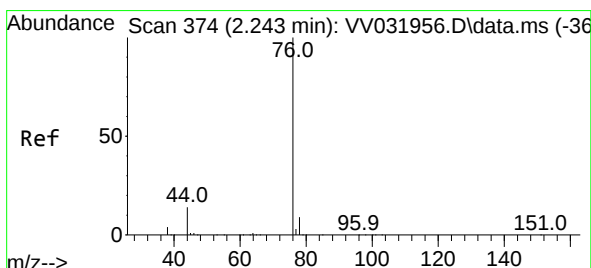
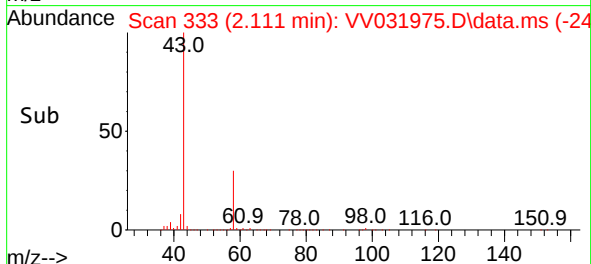
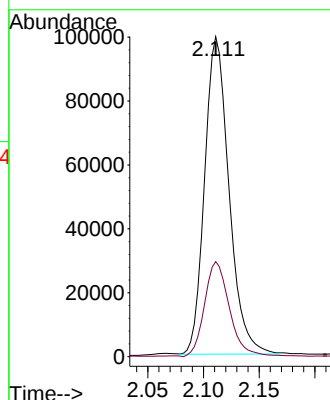
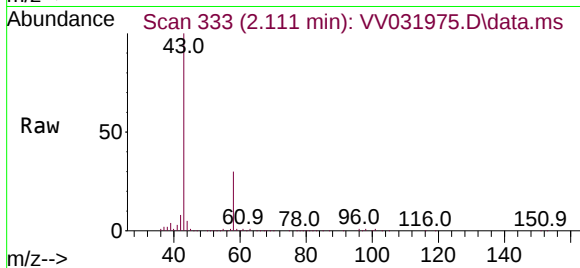
ClientSampleId :

Tgt Ion: 43 Resp: 151323

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.0



#14

Carbon disulfide

Concen: 47.521 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV031975.D

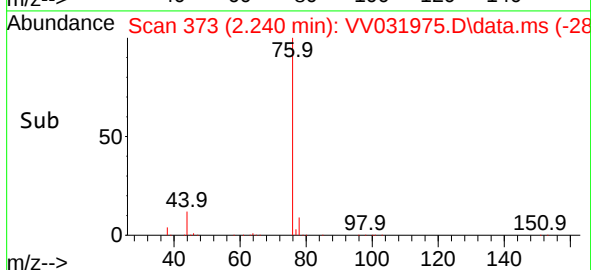
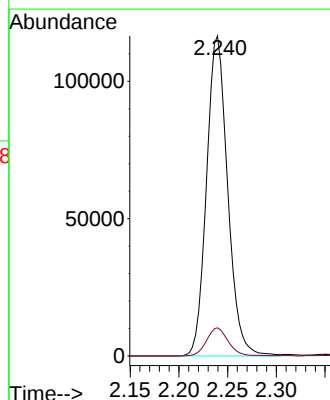
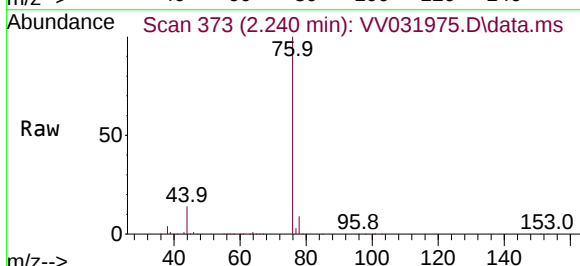
Acq: 08 Sep 2023 10:15

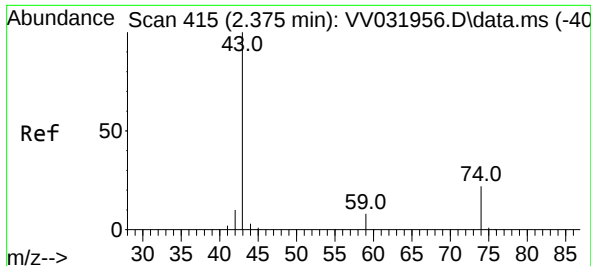
Tgt Ion: 76 Resp: 175871

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

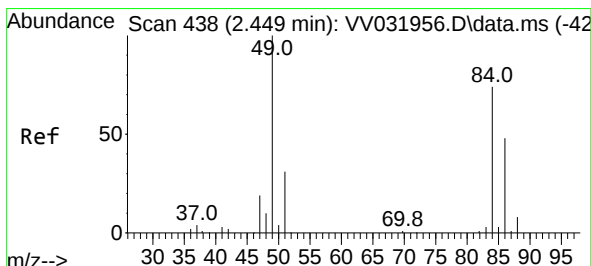
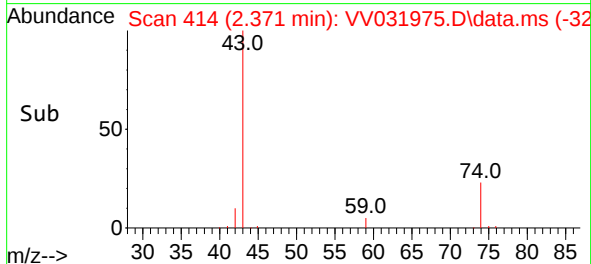
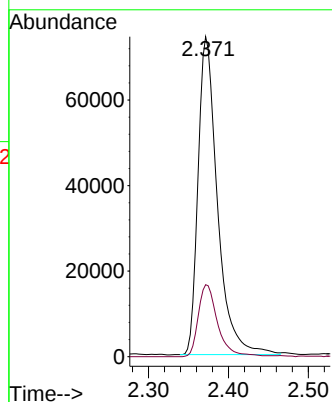
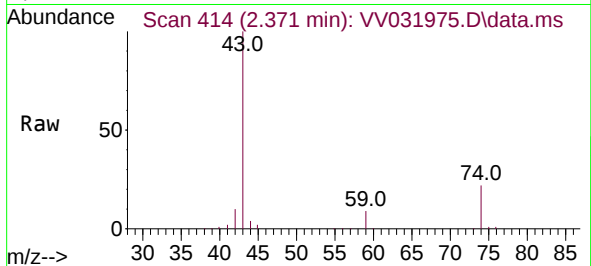




#15
Methyl Acetate
Concen: 51.881 ug/L
RT: 2.371 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

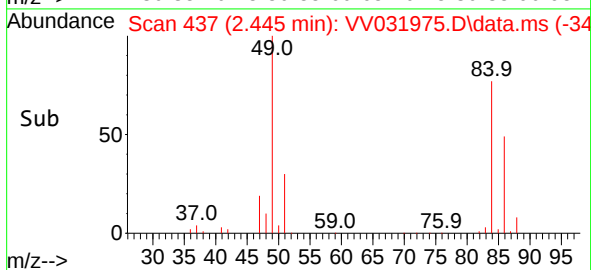
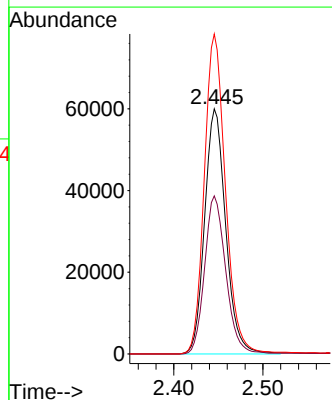
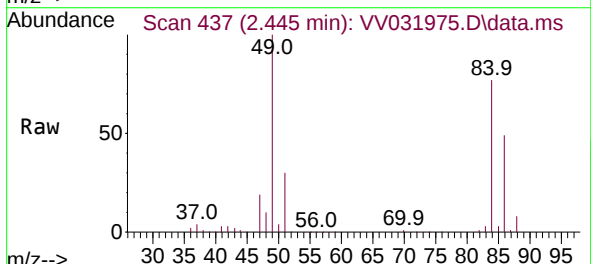
Instrument :
MSVOA_V
ClientSampleId :

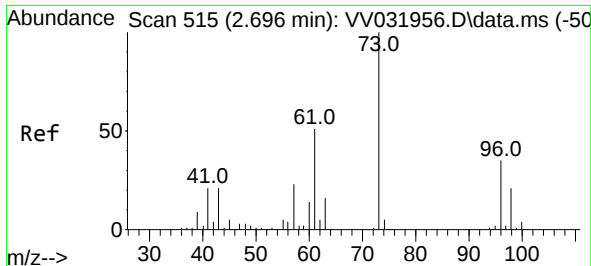
Tgt Ion: 43 Resp: 125626
Ion Ratio Lower Upper
43 100
74 22.6 17.9 26.9



#16
Methylene chloride
Concen: 47.251 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 84 Resp: 98623
Ion Ratio Lower Upper
84 100
86 64.5 44.6 82.8
49 130.6 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 46.604 ug/L

RT: 2.693 min Scan# 515

Delta R.T. -0.003 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

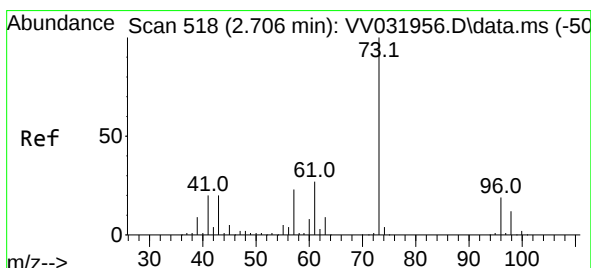
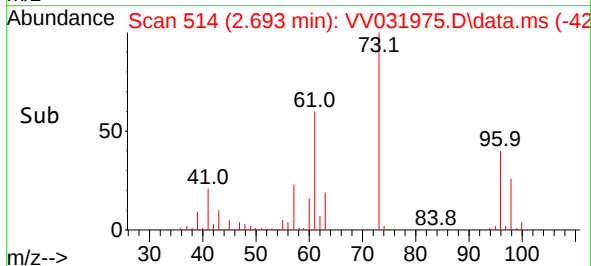
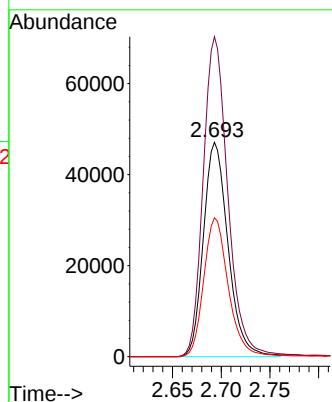
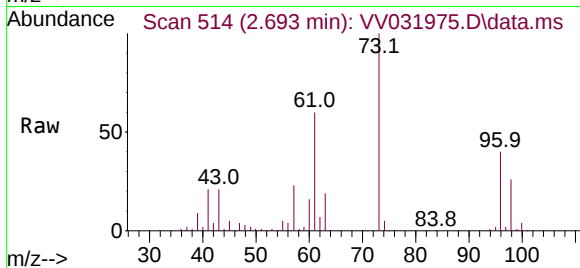
Tgt Ion: 96 Resp: 82988

Ion Ratio Lower Upper

96 100

61 149.3 107.3 199.3

98 64.8 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 47.579 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

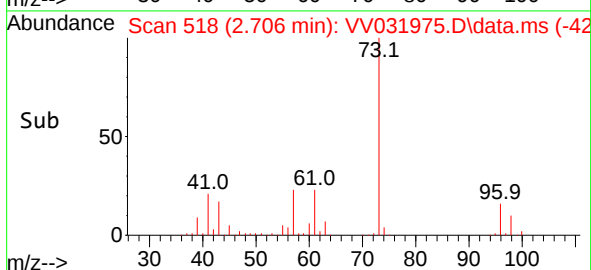
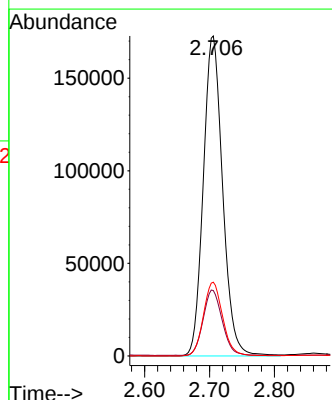
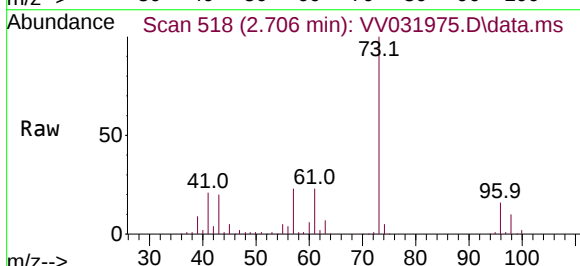
Tgt Ion: 73 Resp: 358066

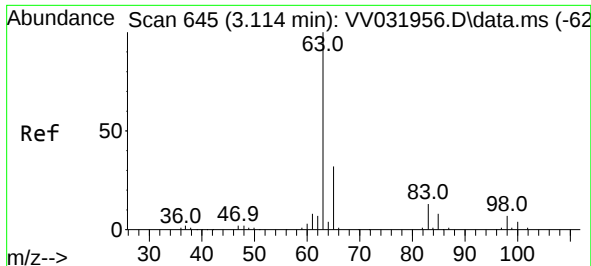
Ion Ratio Lower Upper

73 100

43 20.0 16.6 25.0

57 22.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 48.518 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

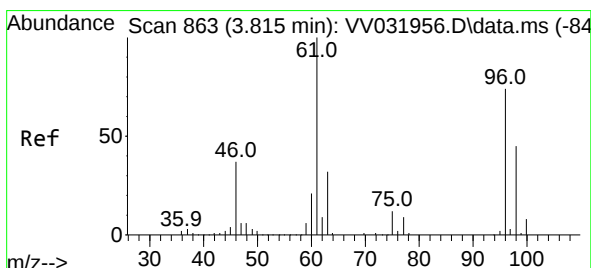
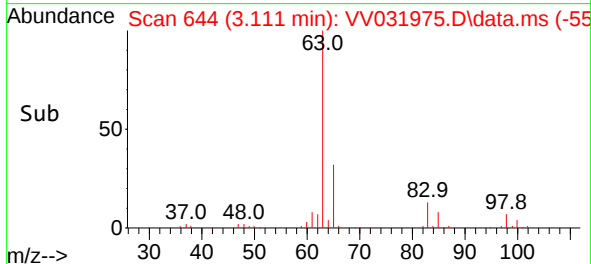
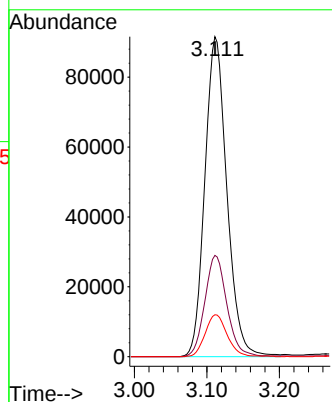
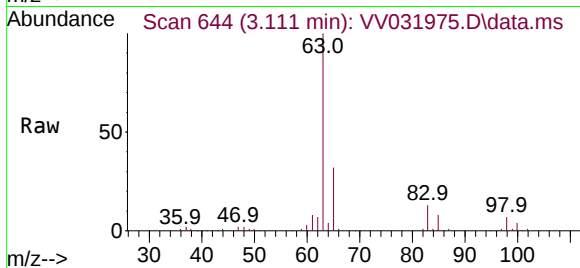
Tgt Ion: 63 Resp: 193616

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.1 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 47.815 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

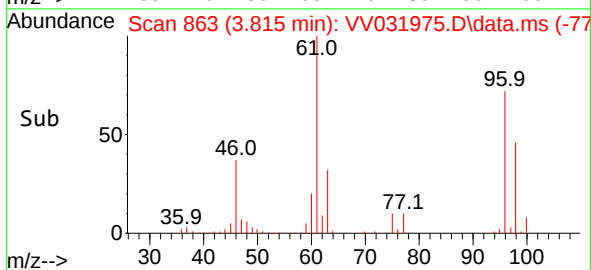
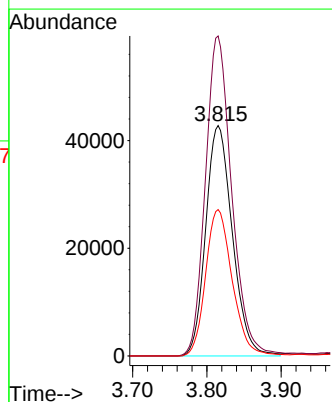
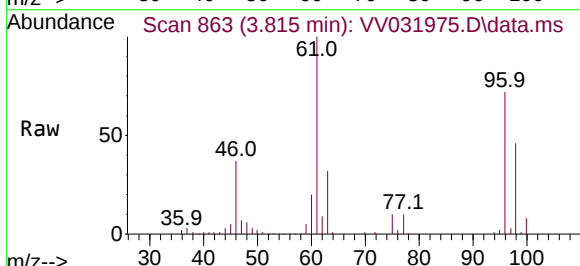
Tgt Ion: 96 Resp: 106821

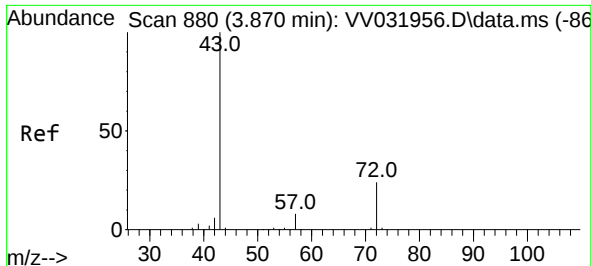
Ion Ratio Lower Upper

96 100

61 138.9 97.3 180.7

98 63.6 45.3 84.1

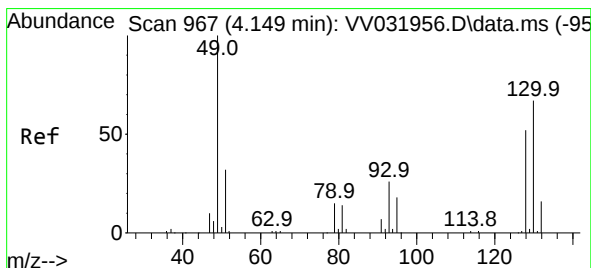
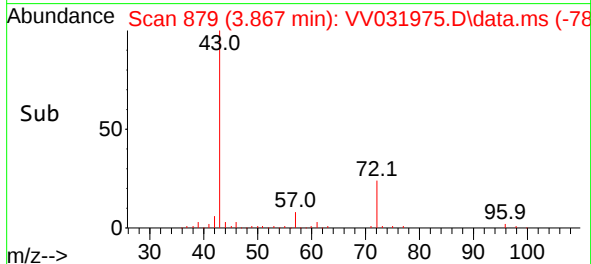
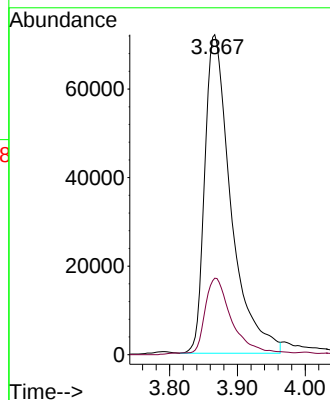
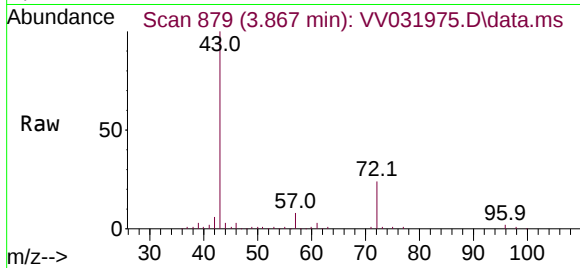




#22
2-Butanone
Concen: 107.680 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

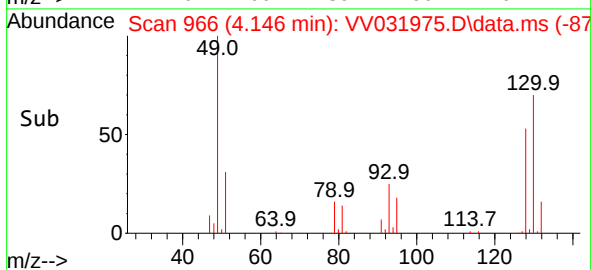
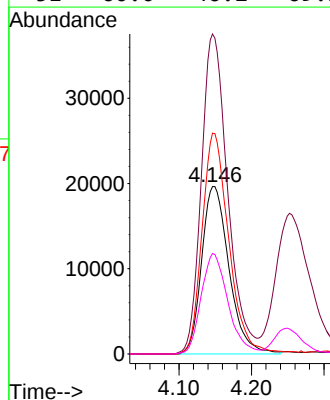
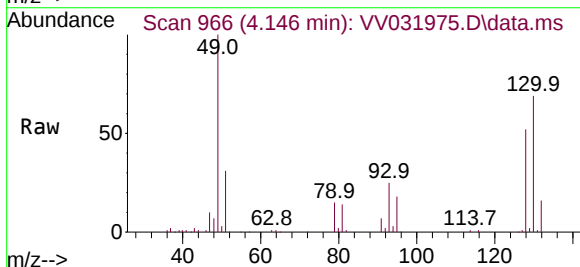
Instrument :
MSVOA_V
ClientSampleId :

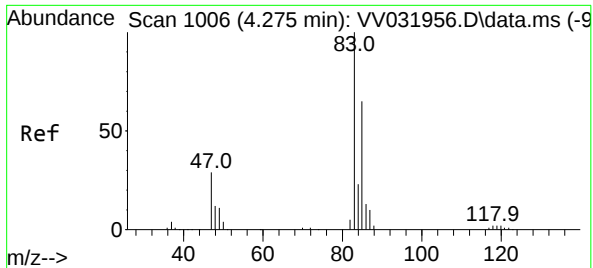
Tgt Ion: 43 Resp: 193453
Ion Ratio Lower Upper
43 100
72 22.9 12.6 37.8



#23
Bromochloromethane
Concen: 47.453 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion:128 Resp: 51433
Ion Ratio Lower Upper
128 100
49 191.1 127.8 237.4
130 131.9 90.1 167.3
51 60.0 46.2 69.2

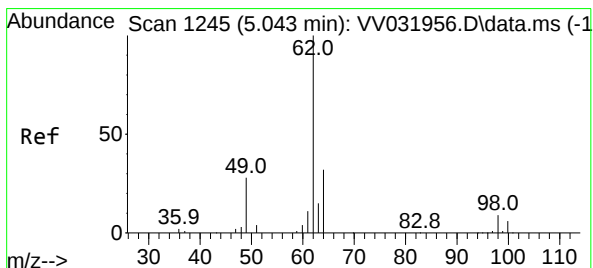
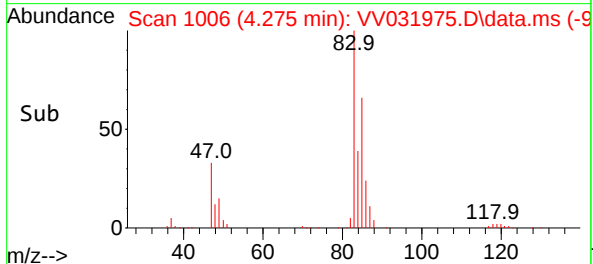
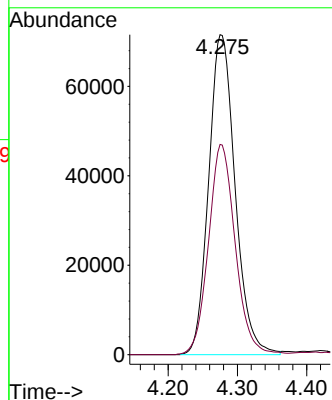
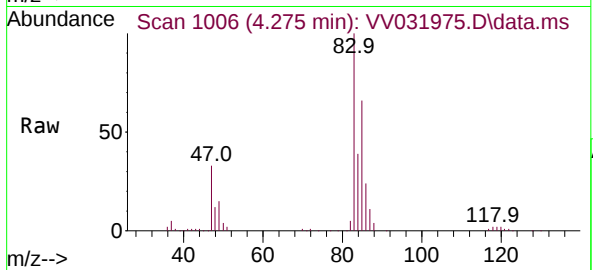




#25
Chloroform
Concen: 45.755 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

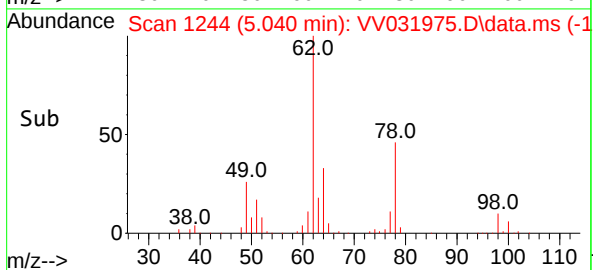
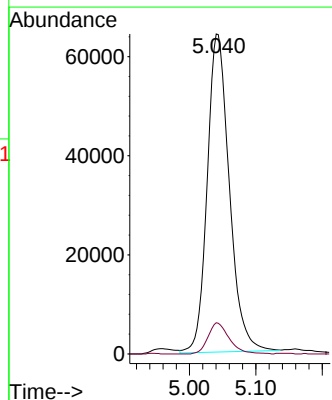
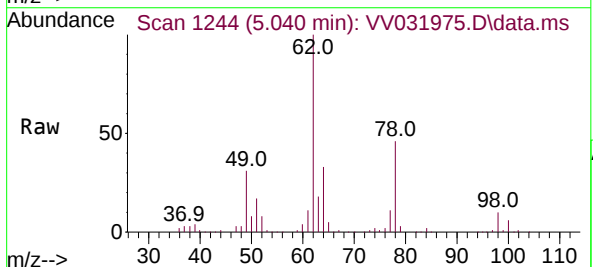
Instrument :
MSVOA_V
ClientSampleId :

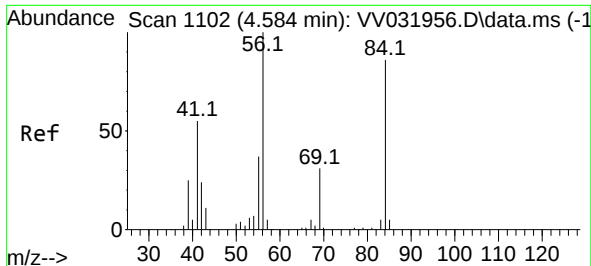
Tgt Ion: 83 Resp: 189843
Ion Ratio Lower Upper
83 100
85 65.7 44.9 83.3



#27
1,2-Dichloroethane
Concen: 45.530 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 62 Resp: 148826
Ion Ratio Lower Upper
62 100
98 9.7 7.0 10.4





#29

Cyclohexane

Concen: 48.297 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

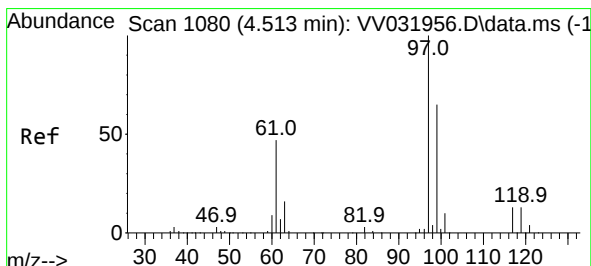
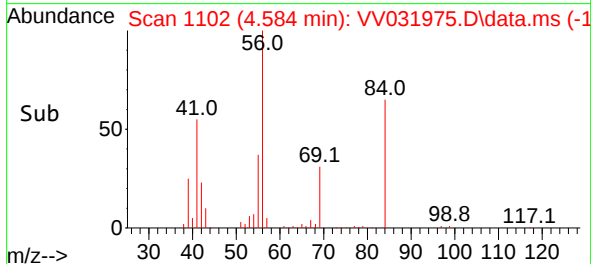
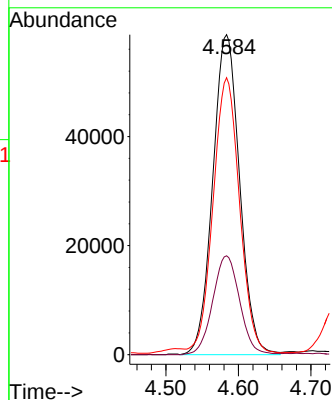
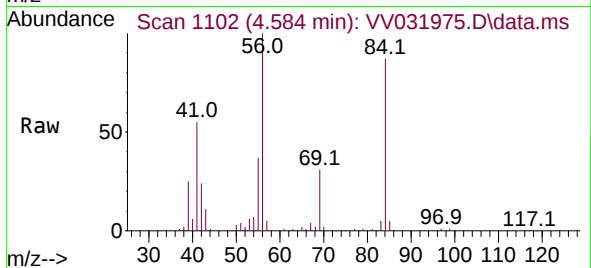
Tgt Ion: 56 Resp: 151184

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 84.4 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 45.976 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

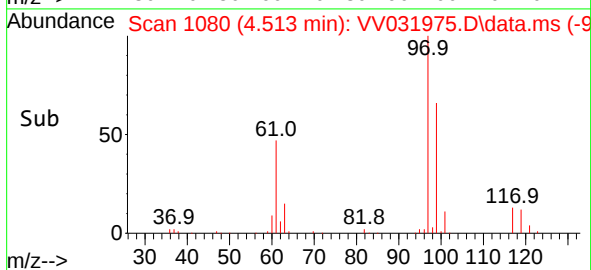
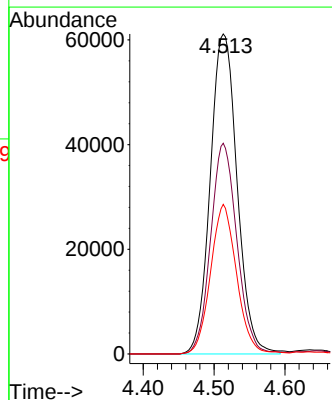
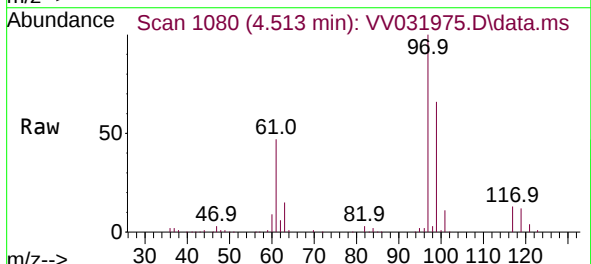
Tgt Ion: 97 Resp: 161228

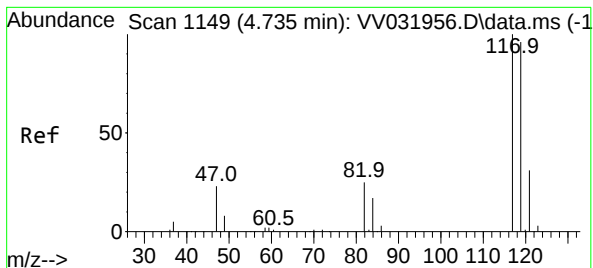
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 45.1 36.5 54.7

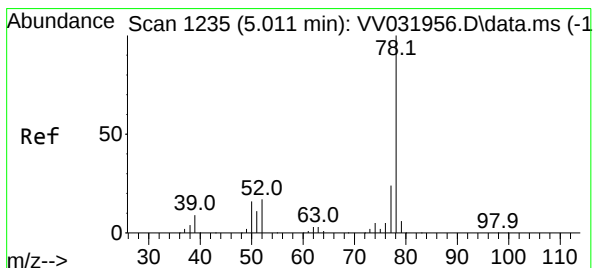
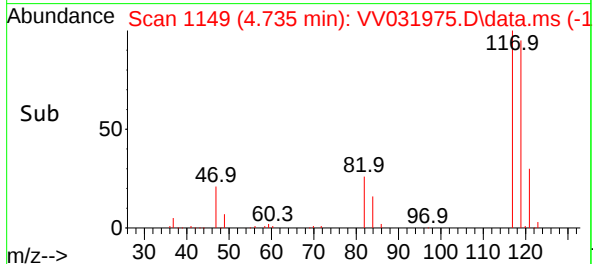
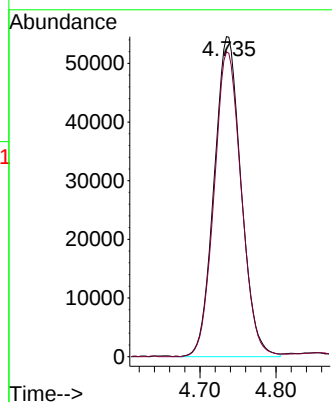
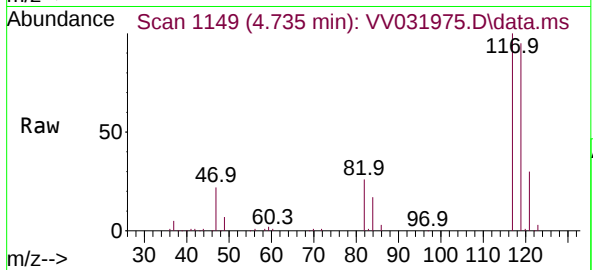




#31
Carbon tetrachloride
Concen: 45.212 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

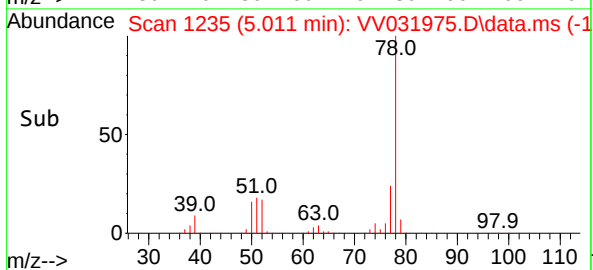
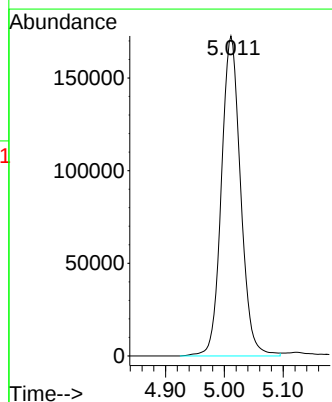
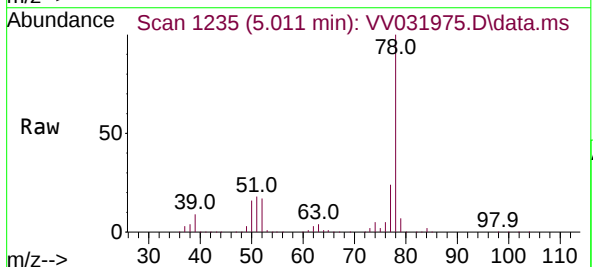
Instrument :
MSVOA_V
ClientSampleId :

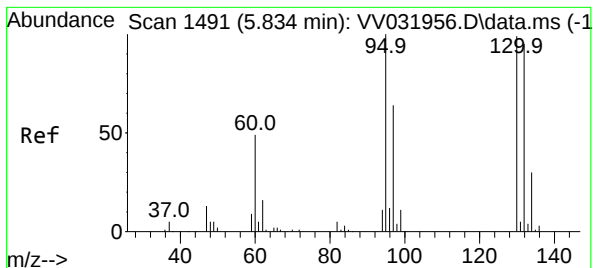
Tgt Ion:117 Resp: 134630
Ion Ratio Lower Upper
117 100
119 96.1 75.4 113.2



#33
Benzene
Concen: 48.522 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 78 Resp: 391965





#34

Trichloroethene

Concen: 43.813 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 108240

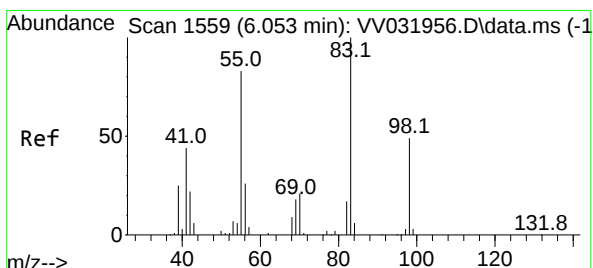
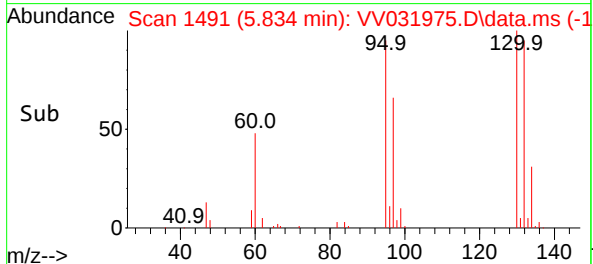
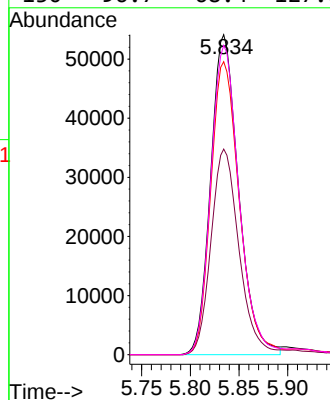
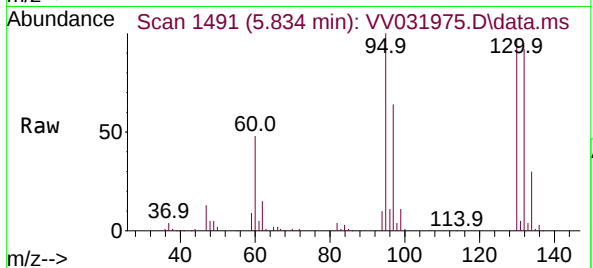
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 91.5 65.4 121.4

130 96.7 68.4 127.0



#35

Methylcyclohexane

Concen: 45.779 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

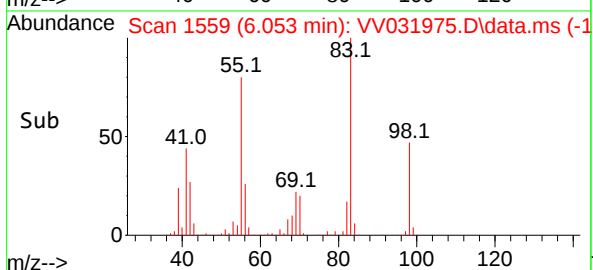
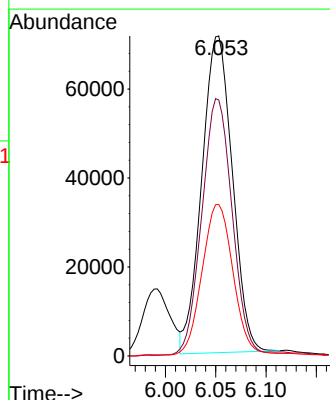
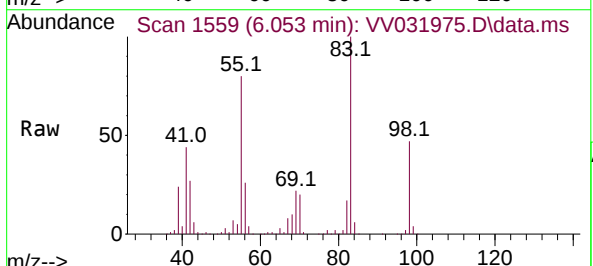
Tgt Ion: 83 Resp: 150433

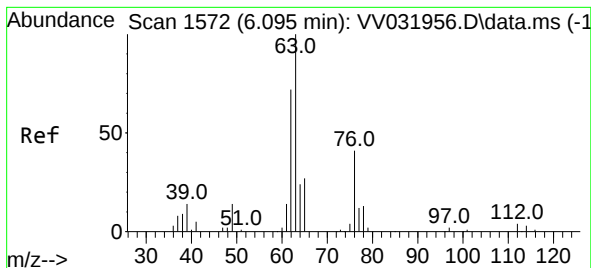
Ion Ratio Lower Upper

83 100

55 80.4 62.2 93.2

98 48.3 36.7 55.1





#37

1,2-Dichloropropane

Concen: 48.588 ug/L

RT: 6.095 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

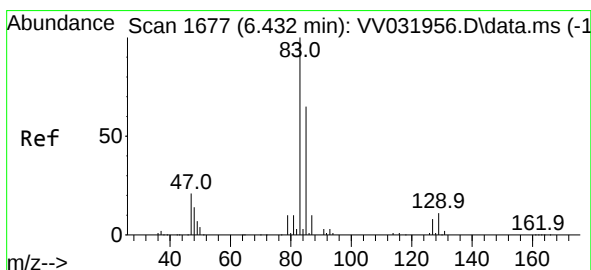
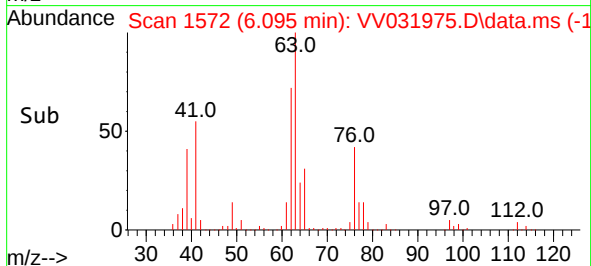
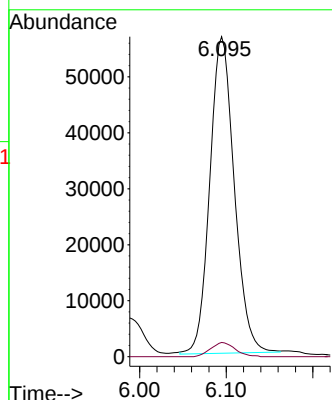
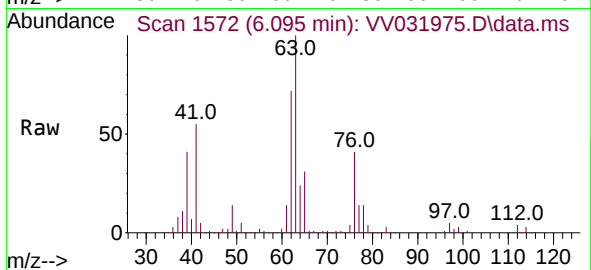
ClientSampleId :

Tgt Ion: 63 Resp: 111252

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 47.186 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

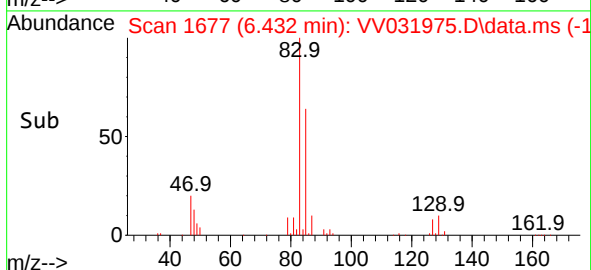
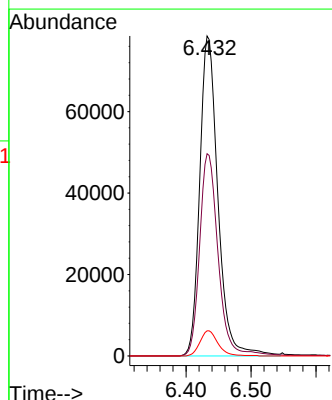
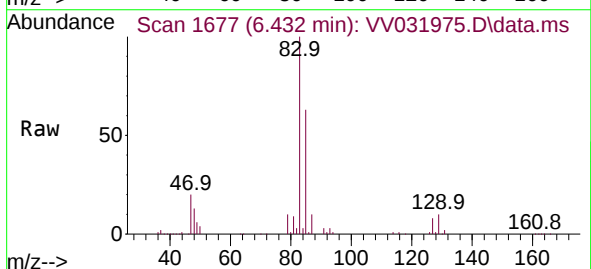
Tgt Ion: 83 Resp: 153354

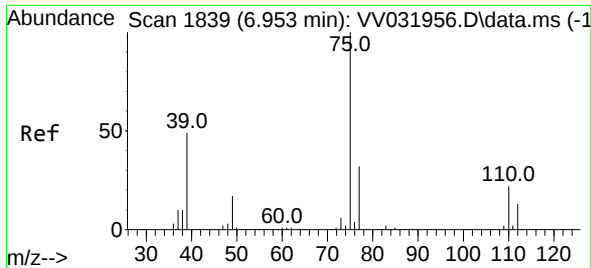
Ion Ratio Lower Upper

83 100

85 63.2 45.2 84.0

127 7.9 6.3 9.5

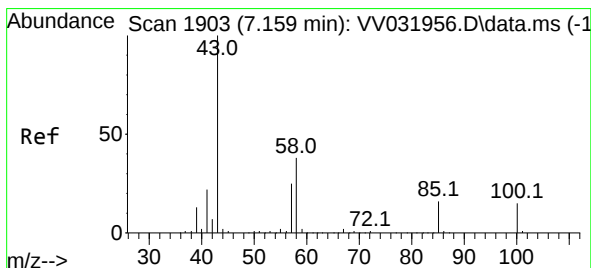
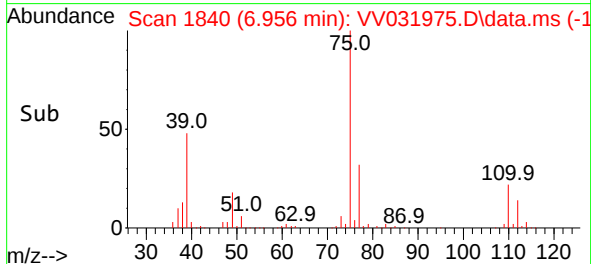
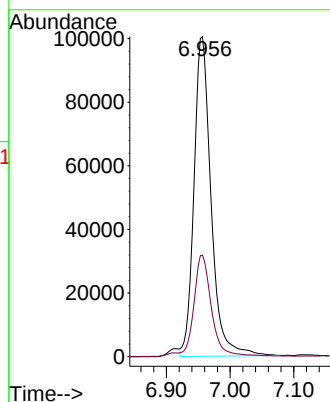
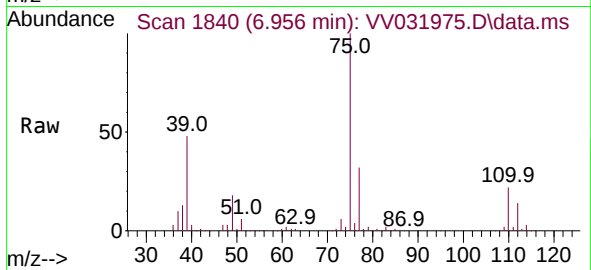




#39
 cis-1,3-Dichloropropene
 Concen: 47.126 ug/L
 RT: 6.956 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

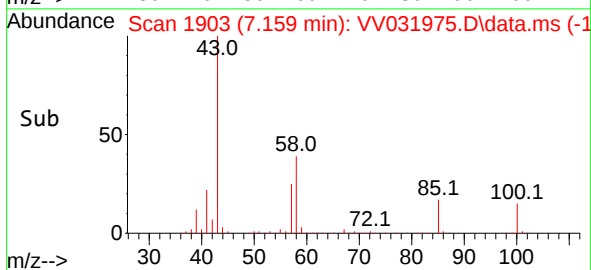
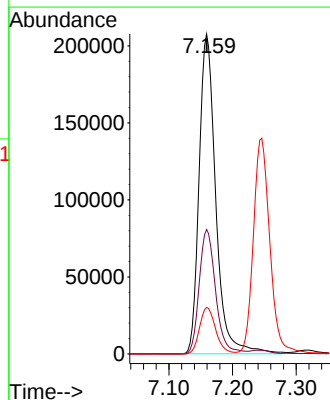
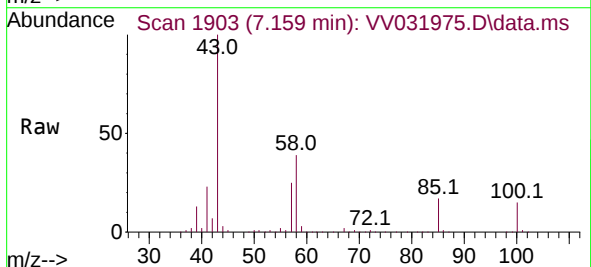
Instrument :
 MSVOA_V
 ClientSampleId :

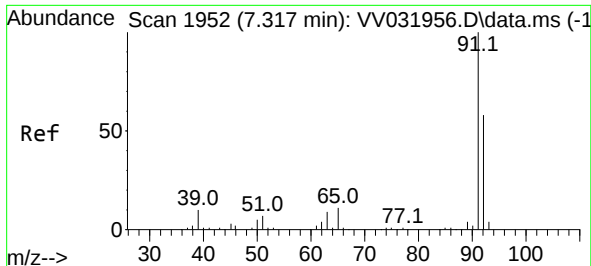
Tgt Ion: 75 Resp: 187600
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 103.886 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

Tgt Ion: 43 Resp: 377542
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.1 46.7
 100 14.2 11.9 17.9





#42

Toluene

Concen: 47.513 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

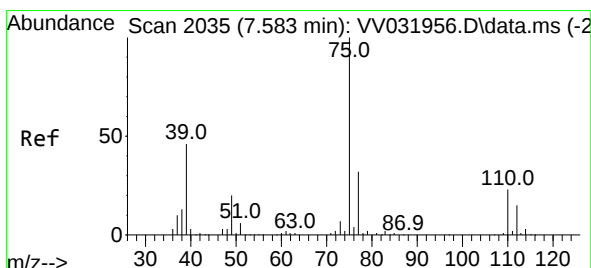
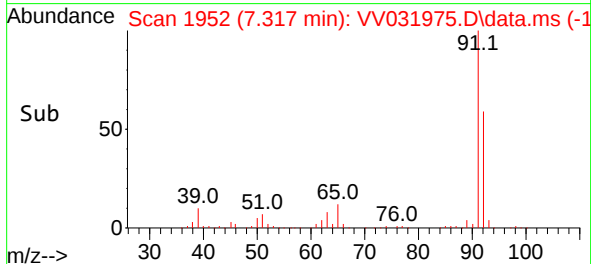
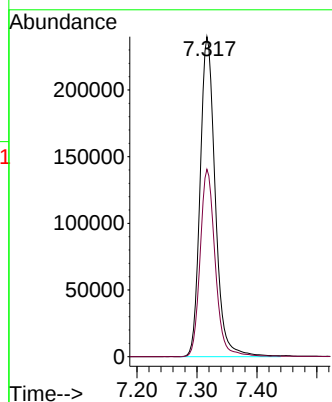
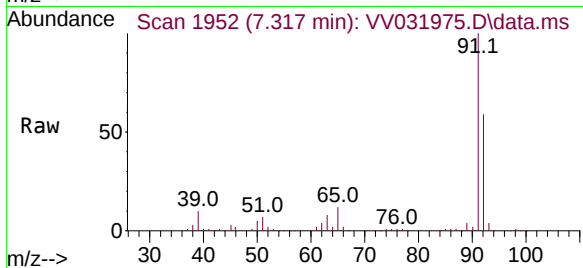
ClientSampleId :

Tgt Ion: 91 Resp: 422196

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 47.749 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031975.D

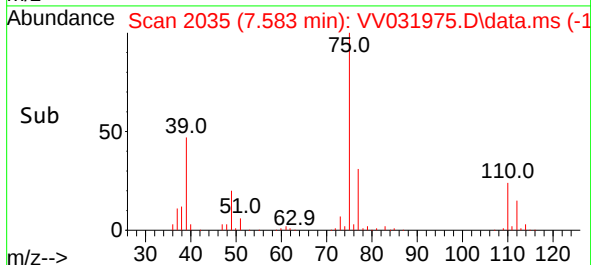
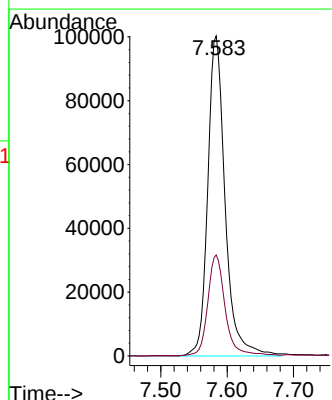
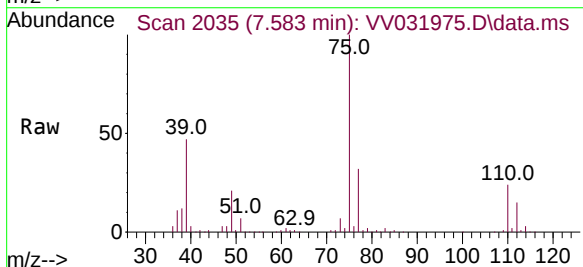
Acq: 08 Sep 2023 10:15

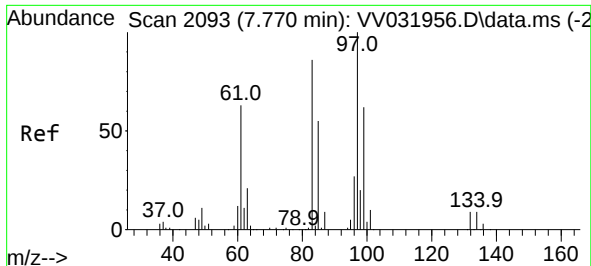
Tgt Ion: 75 Resp: 182632

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 48.040 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 111128

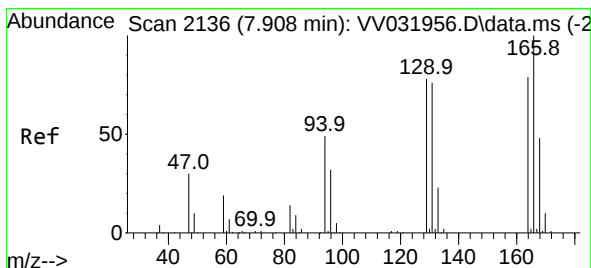
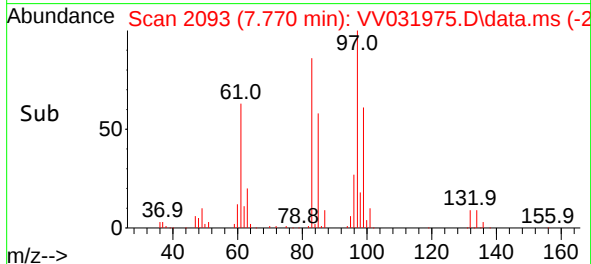
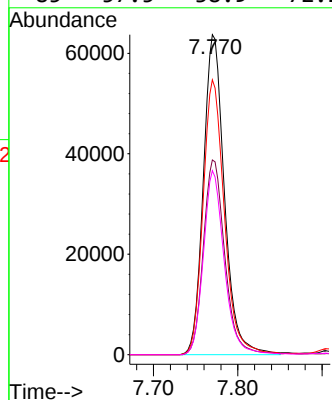
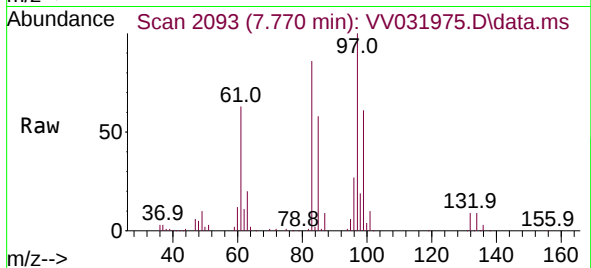
Ion Ratio Lower Upper

97 100

99 60.8 43.0 79.8

83 85.9 61.2 113.6

85 57.5 38.9 72.2



#46

Tetrachloroethene

Concen: 46.939 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Tgt Ion: 164 Resp: 72814

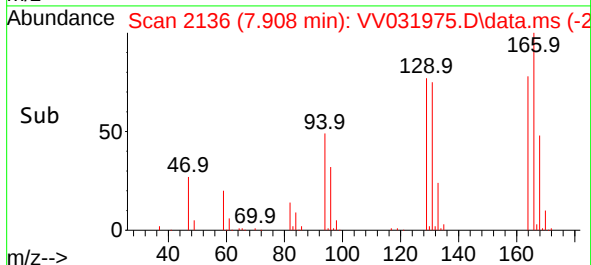
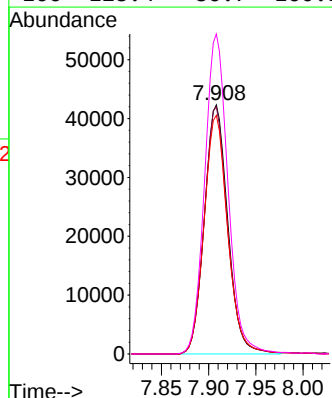
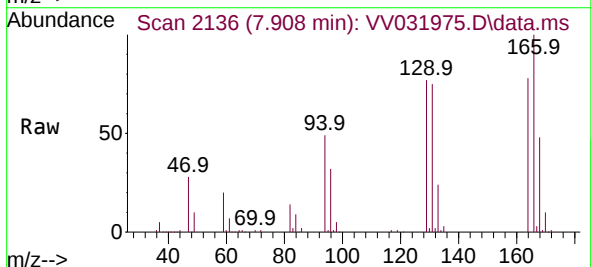
Ion Ratio Lower Upper

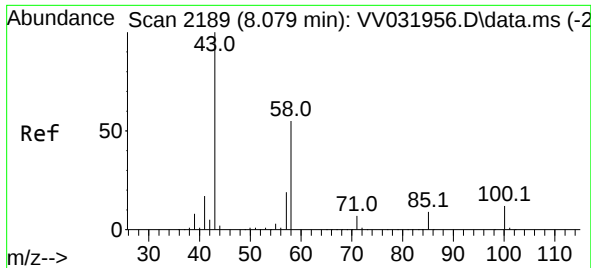
164 100

129 99.2 68.3 126.9

131 95.7 64.9 120.5

166 128.4 86.7 160.9



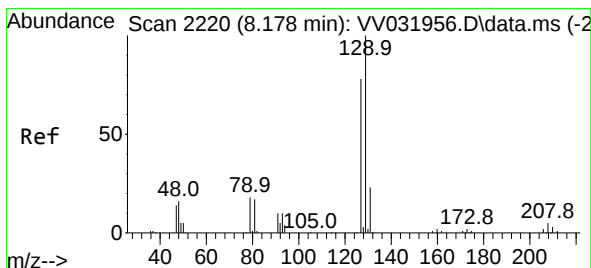
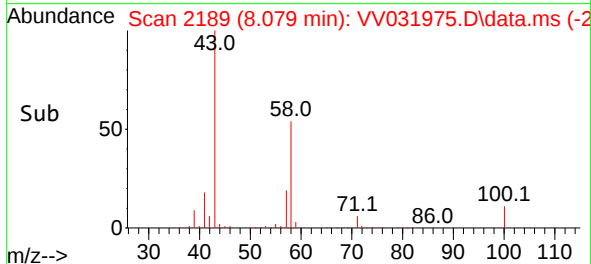
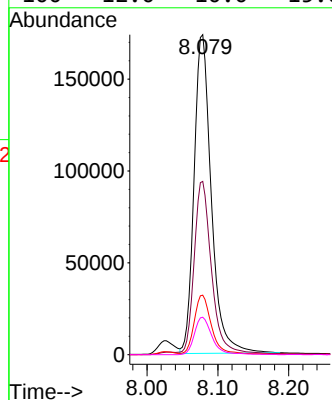
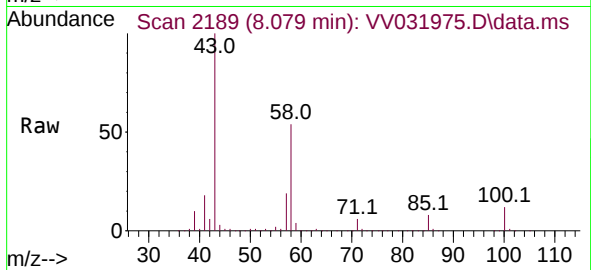


#48
2-Hexanone
Concen: 106.097 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 294452

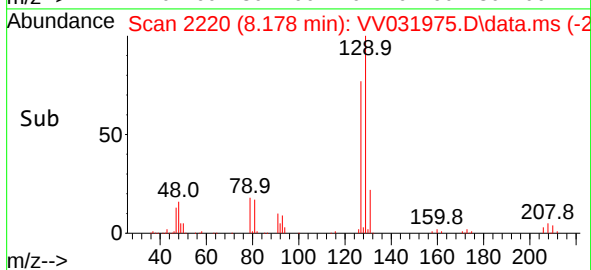
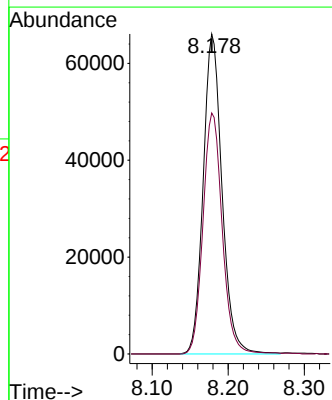
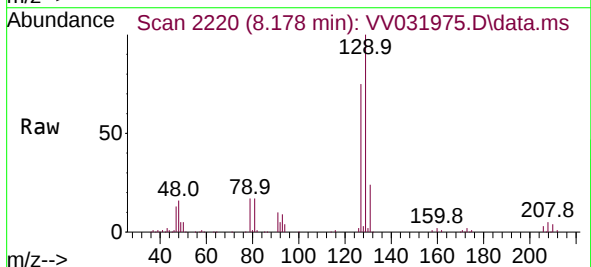
Ion	Ratio	Lower	Upper
43	100		
58	54.2	44.0	66.0
57	18.6	15.9	23.9
100	12.0	10.0	15.0

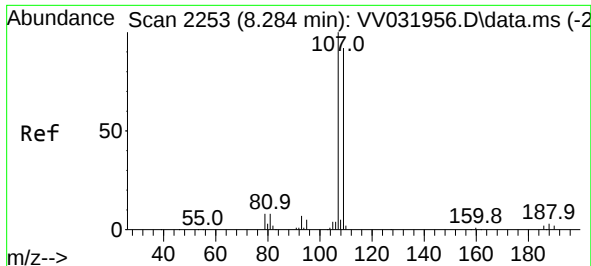


#49
Dibromochloromethane
Concen: 47.752 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 129 Resp: 113511

Ion	Ratio	Lower	Upper
129	100		
127	75.3	54.7	101.7





#50

1,2-Dibromoethane

Concen: 46.758 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

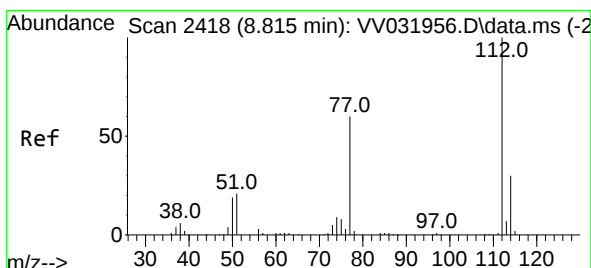
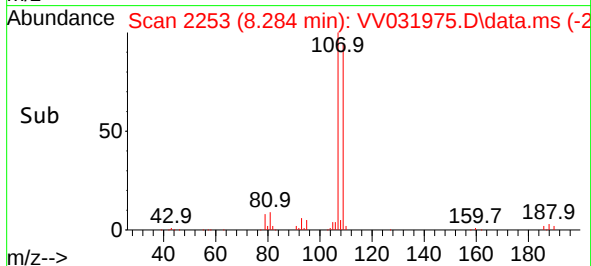
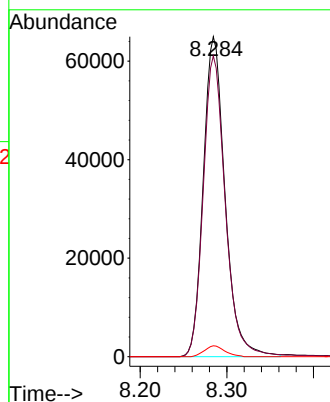
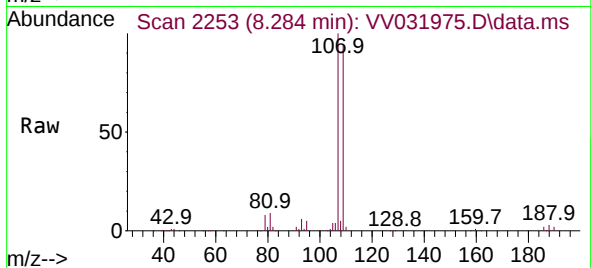
Tgt Ion:107 Resp: 113287

Ion Ratio Lower Upper

107 100

109 94.0 65.4 121.4

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 47.778 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

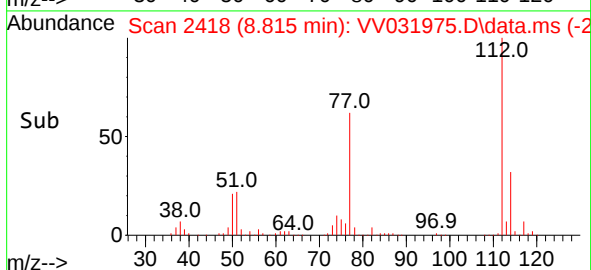
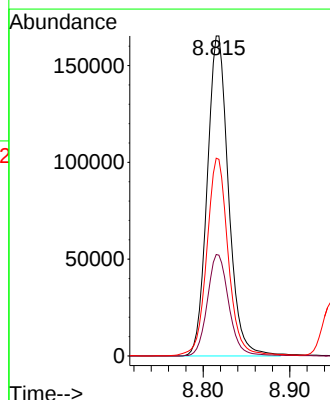
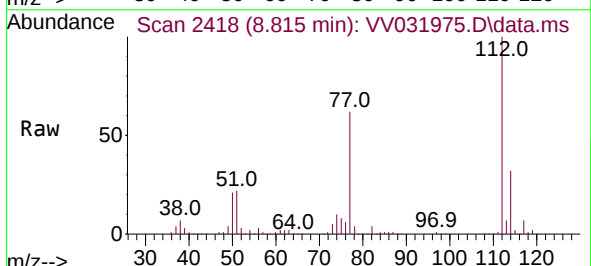
Tgt Ion:112 Resp: 282104

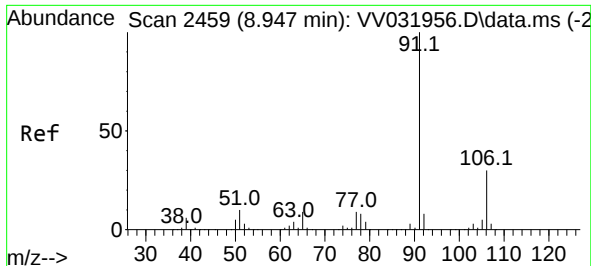
Ion Ratio Lower Upper

112 100

114 31.7 22.0 40.8

77 61.8 49.4 74.0

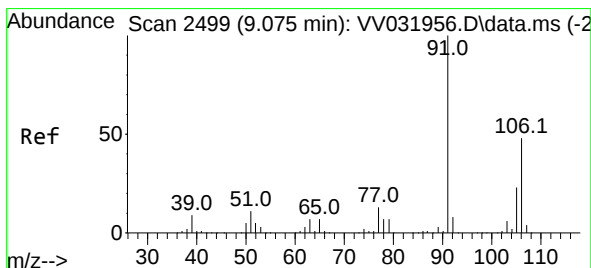
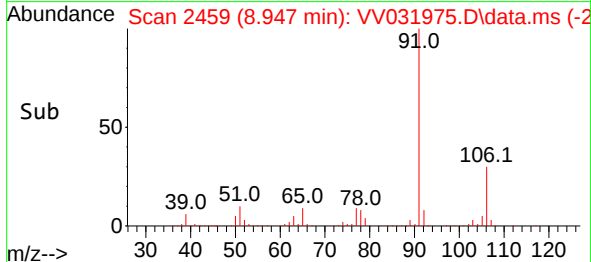
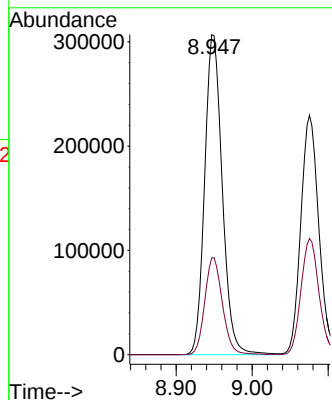
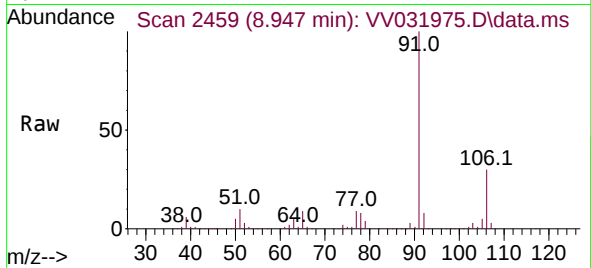




#52
Ethylbenzene
Concen: 46.988 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

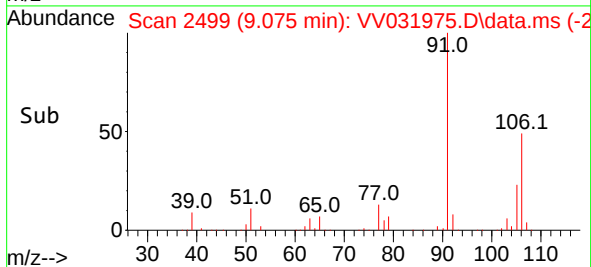
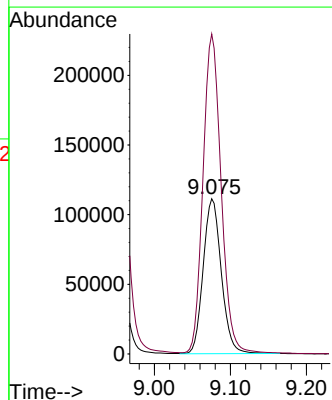
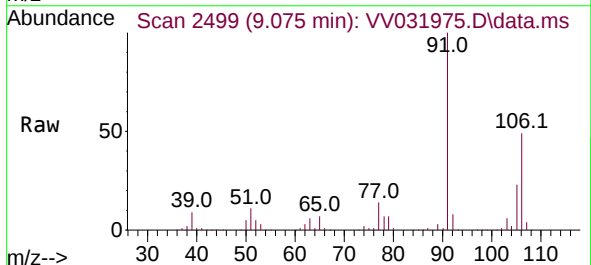
Instrument :
MSVOA_V
ClientSampleId :

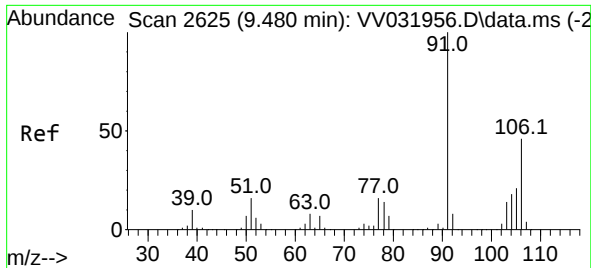
Tgt Ion: 91 Resp: 494594
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 47.087 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 106 Resp: 184028
Ion Ratio Lower Upper
106 100
91 206.1 147.0 273.0

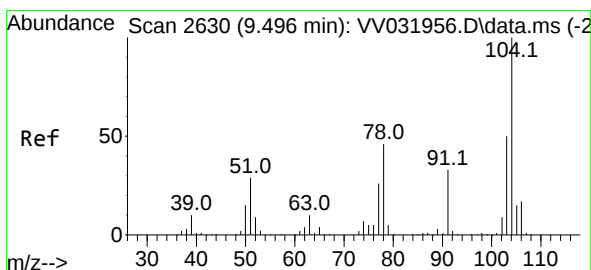
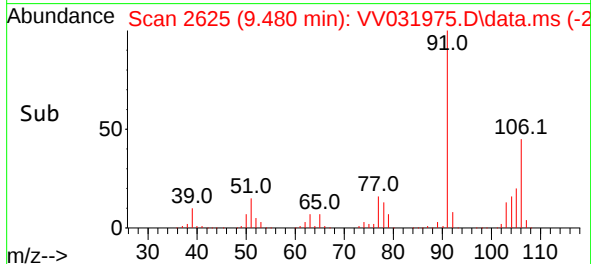
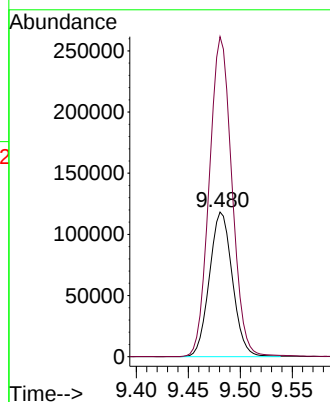
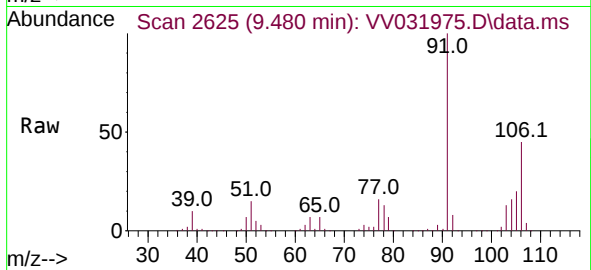




#54
o-Xylene
Concen: 46.872 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

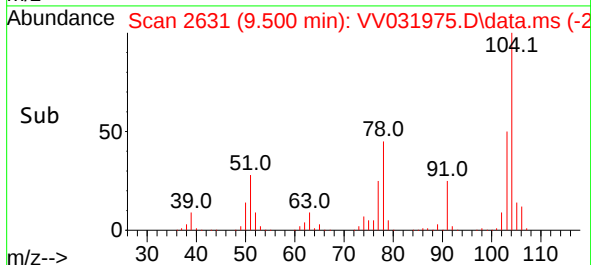
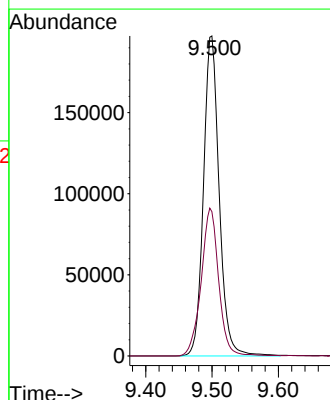
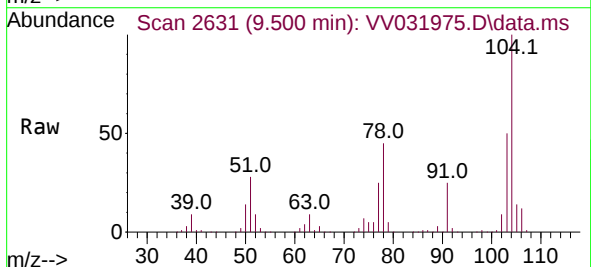
Instrument :
MSVOA_V
ClientSampleId :

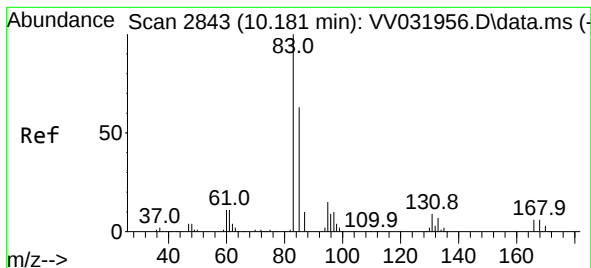
Tgt Ion:106 Resp: 182193
Ion Ratio Lower Upper
106 100
91 221.1 154.3 286.5



#55
Styrene
Concen: 47.236 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion:104 Resp: 324586
Ion Ratio Lower Upper
104 100
78 45.1 32.3 59.9

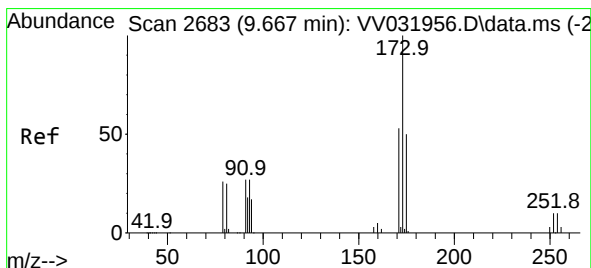
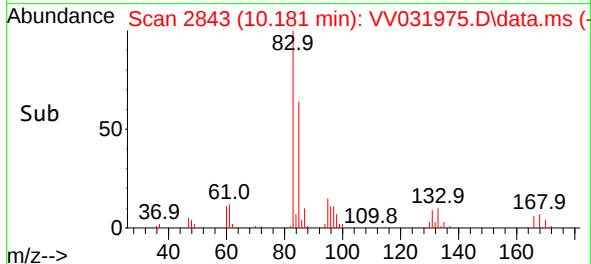
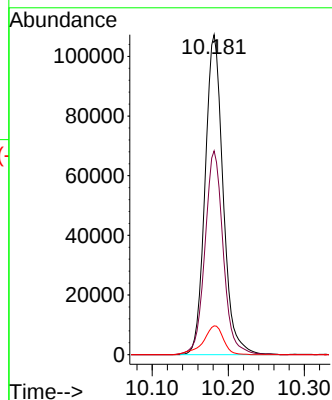
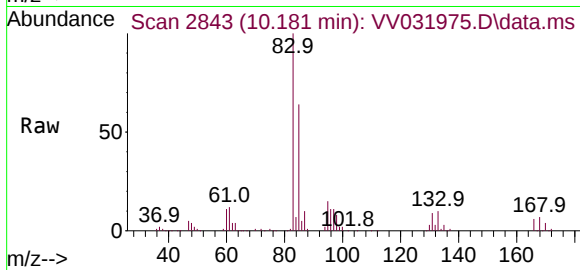




#57
1,1,2,2-Tetrachloroethane
Concen: 53.755 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

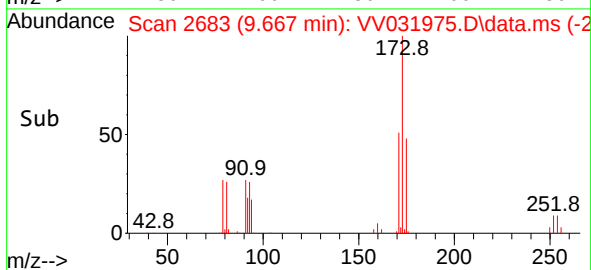
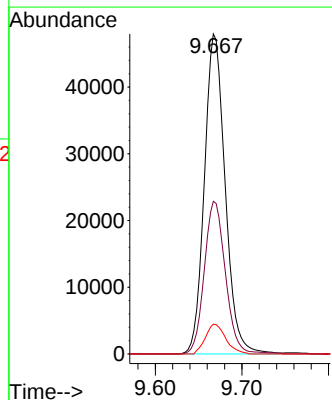
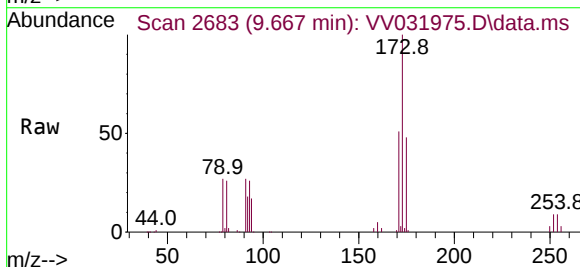
Instrument :
MSVOA_V
ClientSampleId :

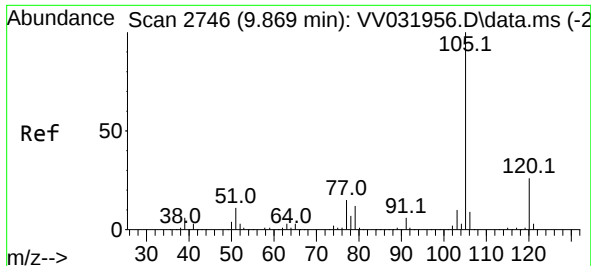
Tgt Ion: 83 Resp: 176027
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9
131 9.0 7.4 11.2



#59
Bromoform
Concen: 47.797 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 173 Resp: 80060
Ion Ratio Lower Upper
173 100
175 48.4 38.3 57.5
254 9.1 6.9 10.3

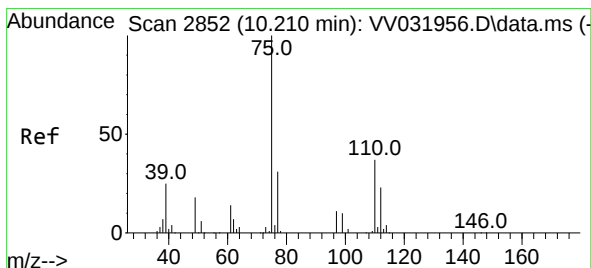
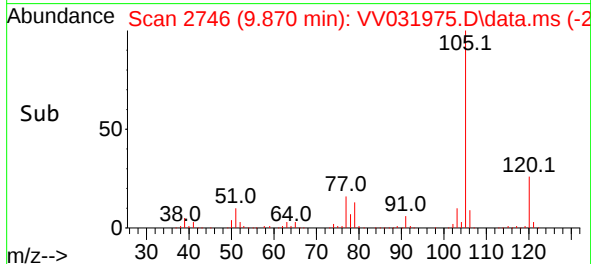
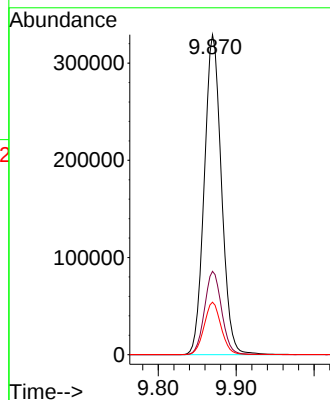
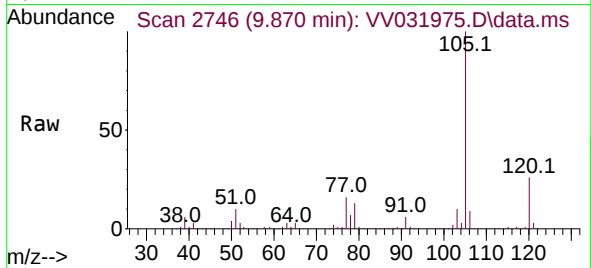




#60
Isopropylbenzene
Concen: 46.586 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

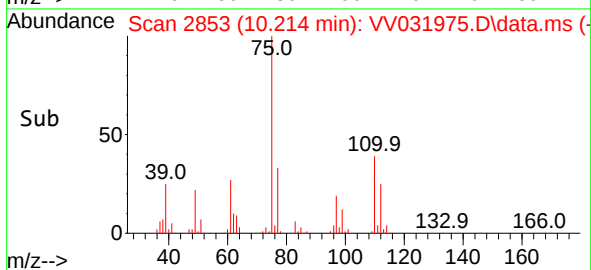
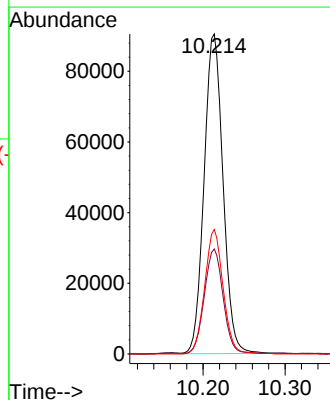
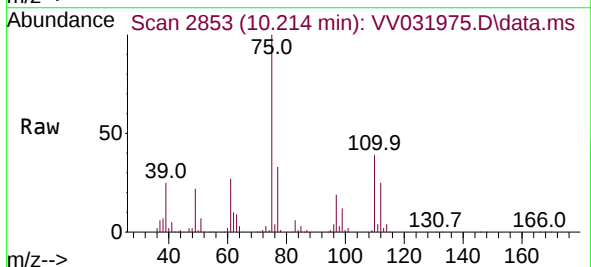
Instrument :
MSVOA_V
ClientSampleId :

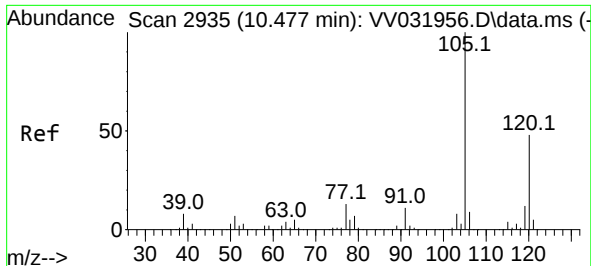
Tgt Ion:105 Resp: 503998
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 16.1 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 47.487 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

Tgt Ion: 75 Resp: 144915
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 37.9 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.873 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

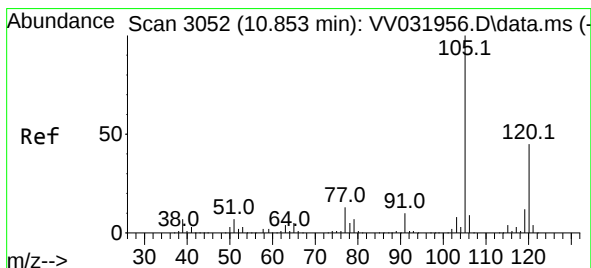
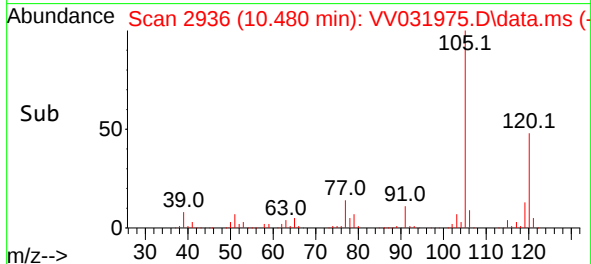
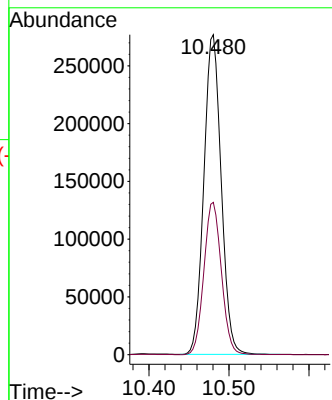
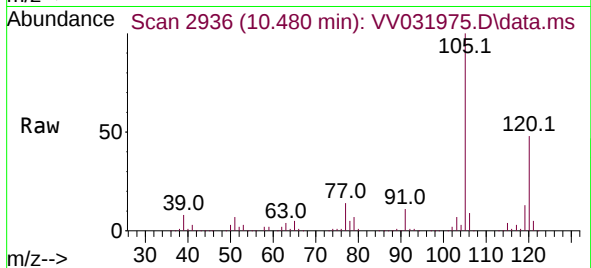
ClientSampleId :

Tgt Ion:105 Resp: 417532

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.453 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV031975.D

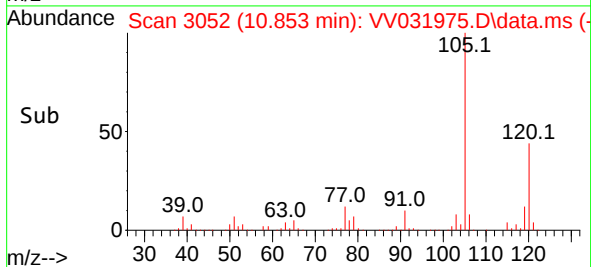
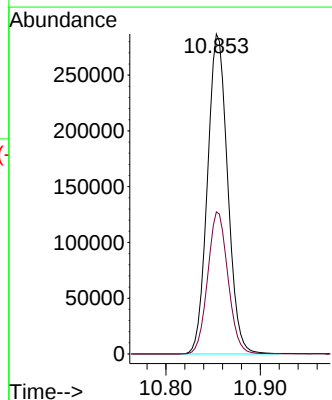
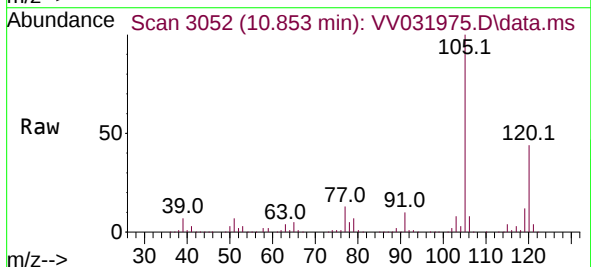
Acq: 08 Sep 2023 10:15

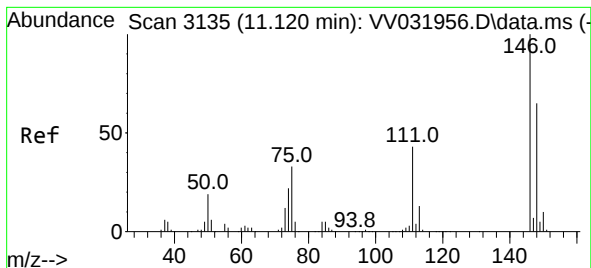
Tgt Ion:105 Resp: 425331

Ion Ratio Lower Upper

105 100

120 44.7 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 47.287 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

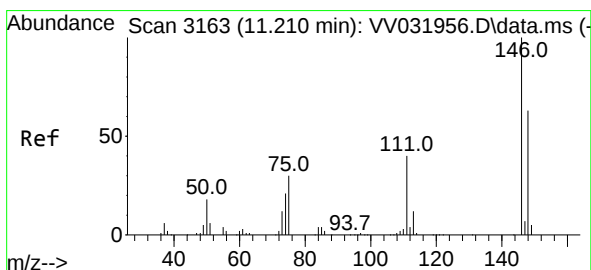
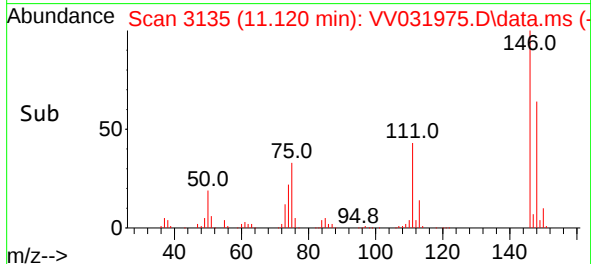
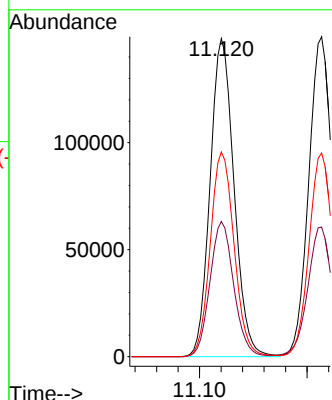
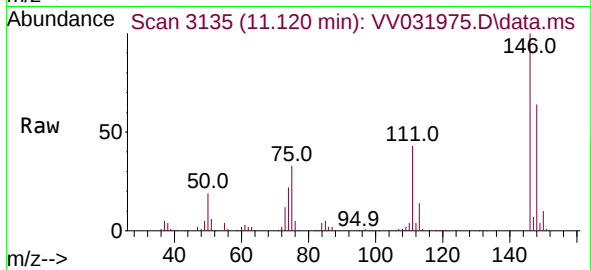
Tgt Ion:146 Resp: 229274

Ion Ratio Lower Upper

146 100

111 42.5 30.2 56.0

148 64.4 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 47.508 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

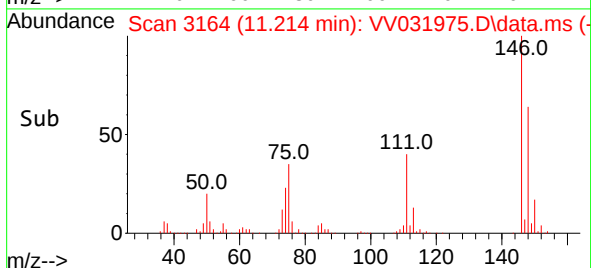
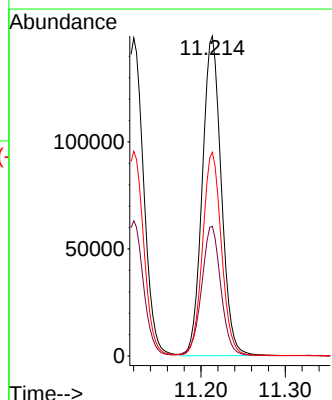
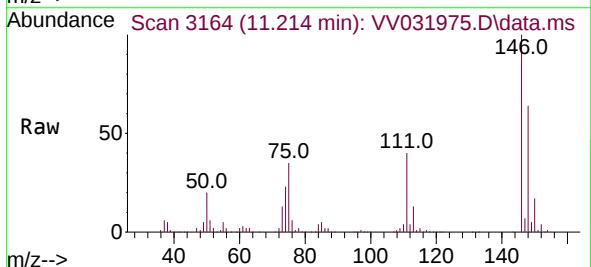
Tgt Ion:146 Resp: 234225

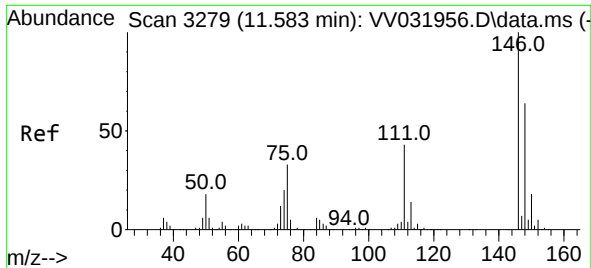
Ion Ratio Lower Upper

146 100

111 40.5 28.5 52.9

148 63.7 44.2 82.2

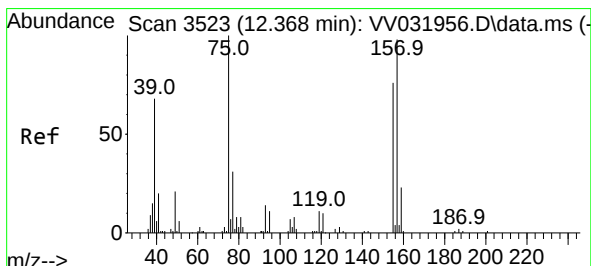
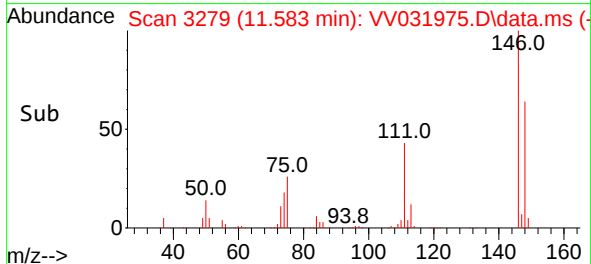
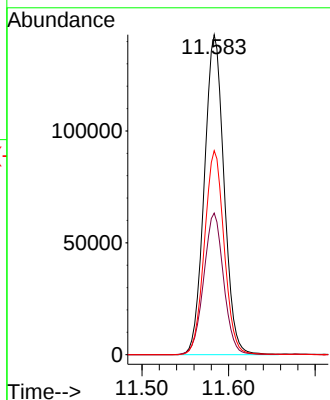
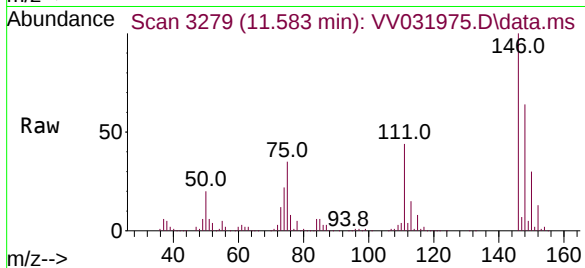




#67
1,2-Dichlorobenzene
Concen: 47.110 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

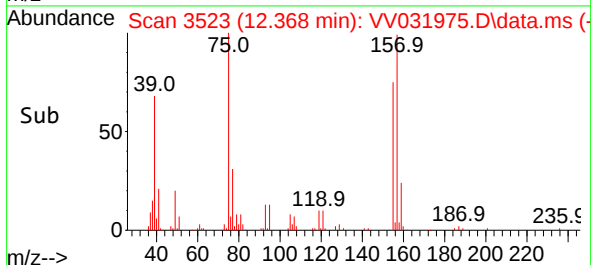
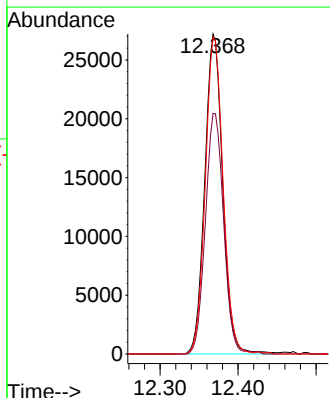
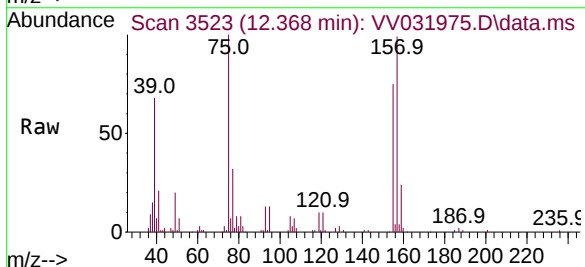
Instrument :
MSVOA_V
ClientSampleId :

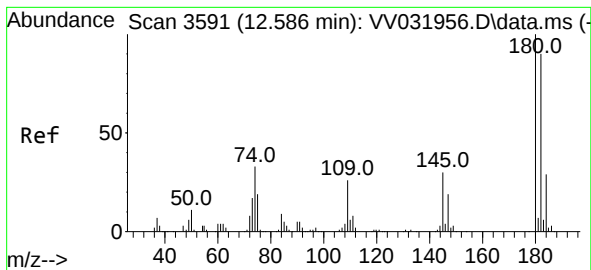
Tgt Ion:146 Resp: 226339
Ion Ratio Lower Upper
146 100
111 44.2 35.8 53.6
148 63.7 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 47.388 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV031975.D
Acq: 08 Sep 2023 10:15

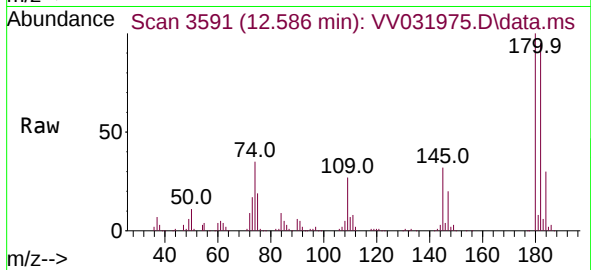
Tgt Ion: 75 Resp: 43438
Ion Ratio Lower Upper
75 100
155 75.2 60.1 90.1
157 99.1 77.3 115.9



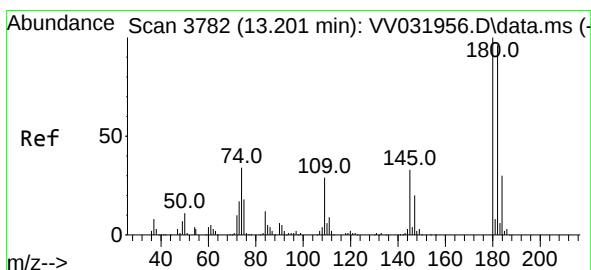
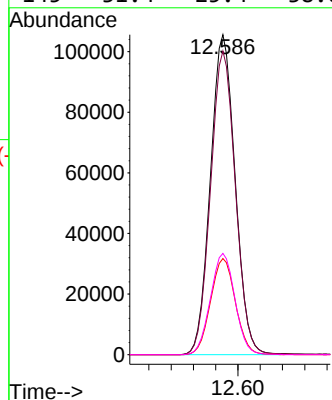
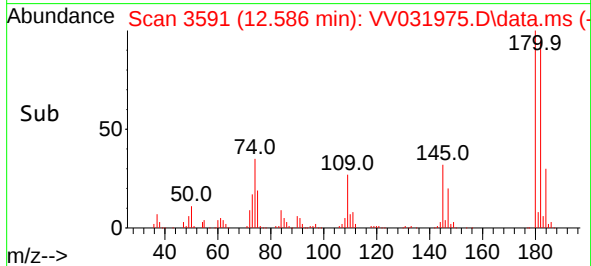


#69
 1,3,5-Trichlorobenzene
 Concen: 46.039 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.000 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15

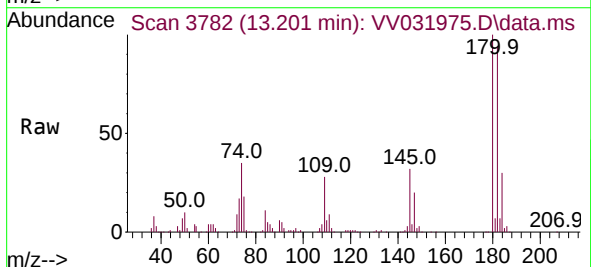
Instrument :
 MSVOA_V
 ClientSampleId :



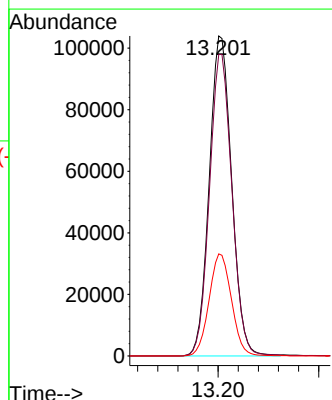
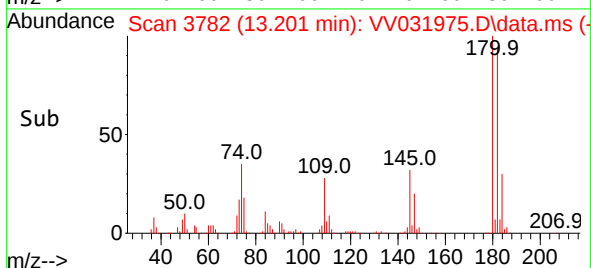
Tgt Ion:180 Resp: 162730
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.4 113.2
 184 30.2 23.7 35.5
 145 31.4 25.4 38.0

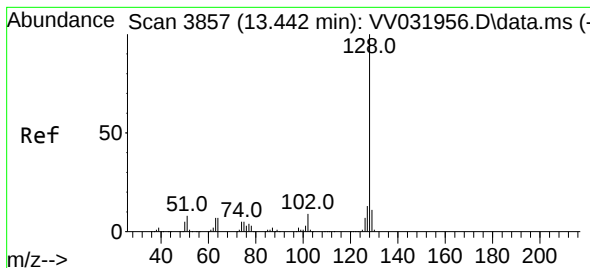


#70
 1,2,4-trichlorobenzene
 Concen: 47.416 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV031975.D
 Acq: 08 Sep 2023 10:15



Tgt Ion:180 Resp: 160873
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.2
 145 31.8 26.0 39.0





#71

Naphthalene

Concen: 49.910 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Instrument :

MSVOA_V

ClientSampleId :

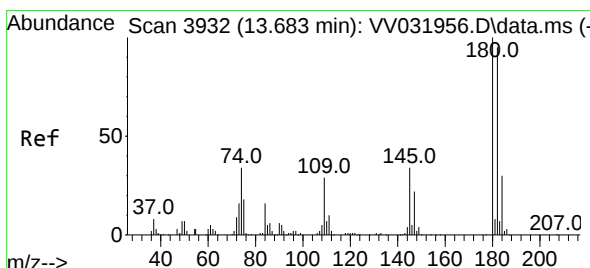
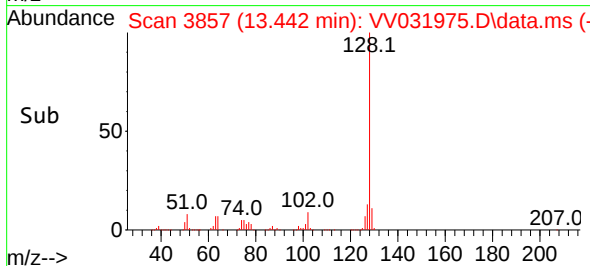
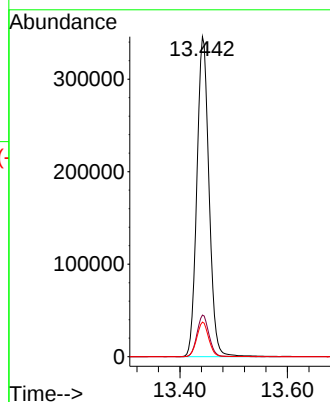
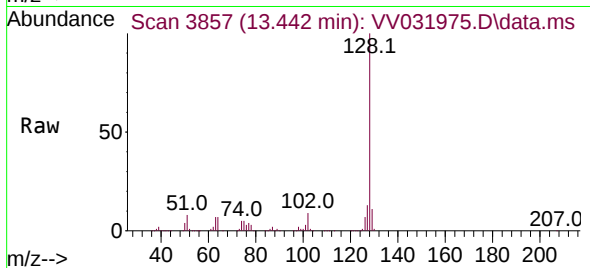
Tgt Ion:128 Resp: 541022

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.644 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV031975.D

Acq: 08 Sep 2023 10:15

Tgt Ion:180 Resp: 154897

Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 34.3 27.7 41.5

