

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090823\
 Data File : VV031986.D
 Acq On : 08 Sep 2023 17:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 09 05:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	265417	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	257129	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	135907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79338	47.763	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.520%
7) Chloroethane-d5	1.529	69	64590	44.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.720%
11) 1,1-Dichloroethene-d2	2.056	65	32291	41.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.040%
21) 2-Butanone-d5	3.789	46	138022	105.648	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.650%
24) Chloroform-d	4.252	84	154372	42.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.040%
26) 1,2-Dichloroethane-d4	4.947	65	99320	41.221	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.440%
32) Benzene-d6	4.963	84	309011	44.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.080%
36) 1,2-Dichloropropane-d6	5.992	67	100885	44.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.340%
41) Toluene-d8	7.246	98	278742	43.117	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.240%
43) trans-1,3-Dichloroprop...	7.555	79	51077	43.637	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.280%
47) 2-Hexanone-d5	8.027	63	95695	138.255	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.250%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	139521	47.810	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.620%
66) 1,2-Dichlorobenzene-d4	11.564	152	106865	43.134	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	70873	43.863	ug/L	98
3) Chloromethane	1.217	50	83401	50.619	ug/L	99
5) Vinyl chloride	1.282	62	87613	49.792	ug/L	97
6) Bromomethane	1.481	94	48788	47.091	ug/L	98
8) Chloroethane	1.545	64	59217	50.639	ug/L	96
9) Trichlorofluoromethane	1.712	101	120164	46.848	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	74691	48.228	ug/L	98
12) 1,1-Dichloroethene	2.069	96	66049	47.481	ug/L	88
13) Acetone	2.114	43	116862	100.501	ug/L	99
14) Carbon disulfide	2.240	76	151174	47.694	ug/L	100
15) Methyl Acetate	2.375	43	125088	60.318	ug/L	97
16) Methylene chloride	2.445	84	91369	51.113	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	74267	48.698	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	326552	50.665	ug/L	98
19) 1,1-Dichloroethane	3.114	63	180027	52.674	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	94787	49.540	ug/L	99
22) 2-Butanone	3.870	43	180643	117.404	ug/L	96
23) Bromochloromethane	4.153	128	46849	50.469	ug/L	98
25) Chloroform	4.278	83	174340	49.061	ug/L	99

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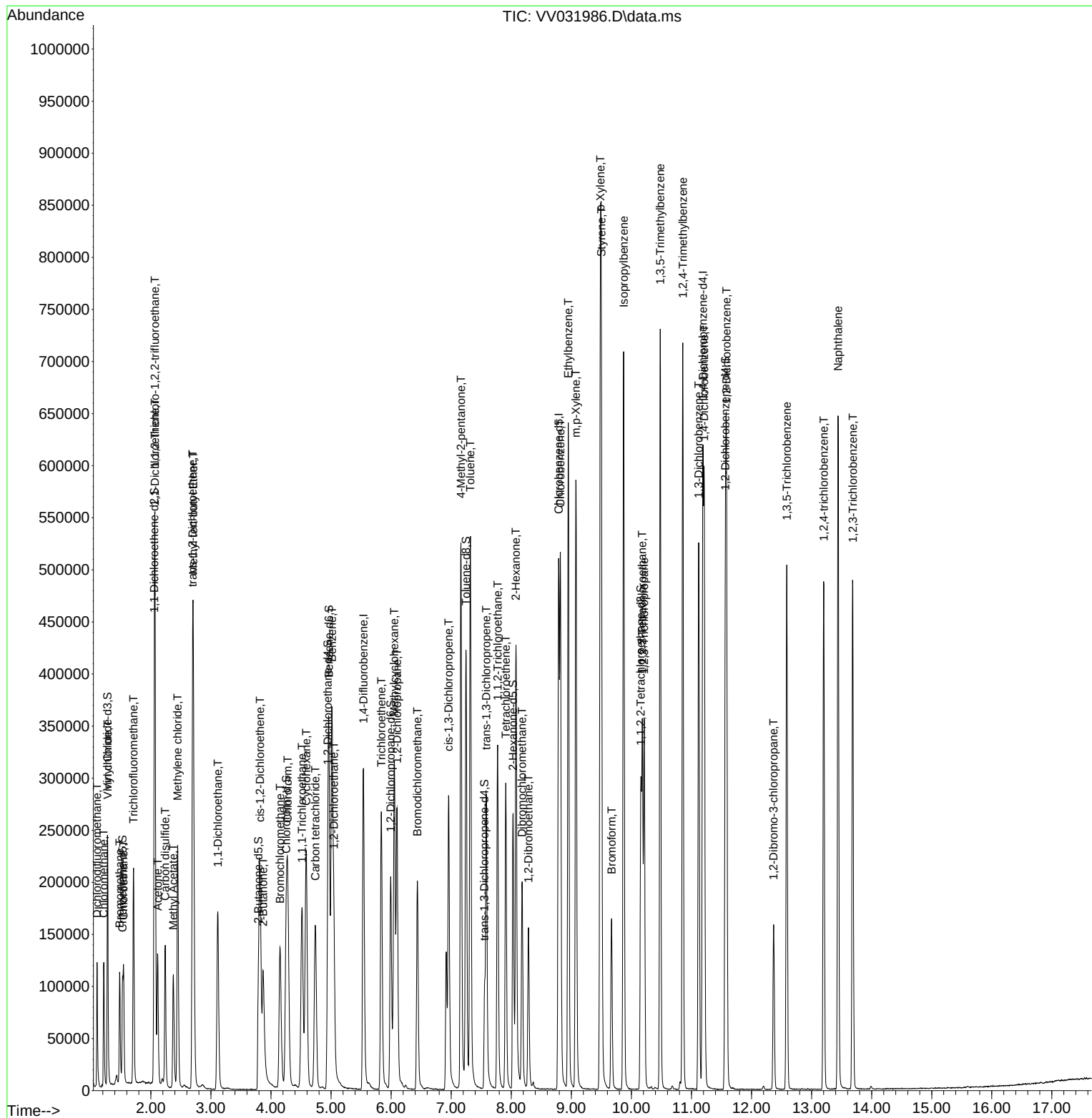
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	137754	49.206	ug/L	98
29) Cyclohexane	4.587	56	135756	50.708	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	145865	48.634	ug/L	99
31) Carbon tetrachloride	4.738	117	120582	47.348	ug/L	98
33) Benzene	5.015	78	359053	51.970	ug/L	100
34) Trichloroethene	5.838	95	94404	44.679	ug/L	99
35) Methylcyclohexane	6.053	83	137677	48.988	ug/L	98
37) 1,2-Dichloropropane	6.098	63	107681	54.987	ug/L	99
38) Bromodichloromethane	6.436	83	138965	49.994	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	172376	50.629	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	370134	119.084	ug/L	97
42) Toluene	7.320	91	383234	50.426	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	159329	48.706	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	102234	51.674	ug/L	97
46) Tetrachloroethene	7.908	164	62824	47.353	ug/L	98
48) 2-Hexanone	8.079	43	280119	118.013	ug/L	97
49) Dibromochloromethane	8.182	129	100468	49.418	ug/L	99
50) 1,2-Dibromoethane	8.288	107	103272	49.837	ug/L	98
51) Chlorobenzene	8.818	112	254743	50.445	ug/L	100
52) Ethylbenzene	8.950	91	441990	49.097	ug/L	100
53) m,p-Xylene	9.079	106	164014	49.068	ug/L	96
54) o-Xylene	9.484	106	165605	49.814	ug/L	98
55) Styrene	9.500	104	290976	49.511	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	168907	60.309	ug/L	99
59) Bromoform	9.670	173	70470	50.002	ug/L	99
60) Isopropylbenzene	9.873	105	457641	50.275	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	138981	54.127	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	372272	48.611	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	376475	48.868	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	198307	48.610	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	203202	48.985	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	202355	50.057	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	40058	51.938	ug/L	98
69) 1,3,5-Trichlorobenzene	12.587	180	138353	46.521	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	135107	47.328	ug/L	99
71) Naphthalene	13.442	128	471204	51.664	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	135010	49.356	ug/L	99

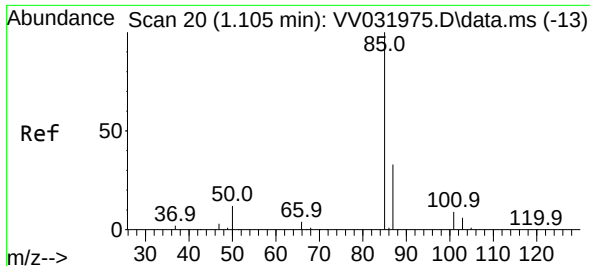
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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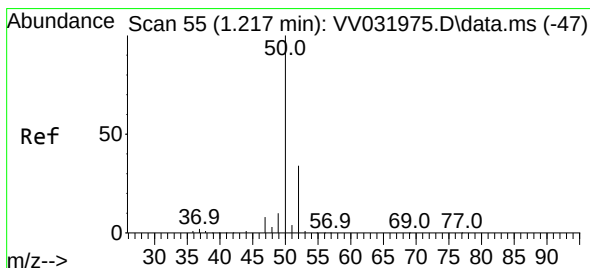
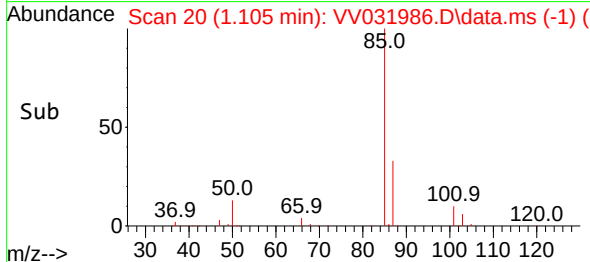
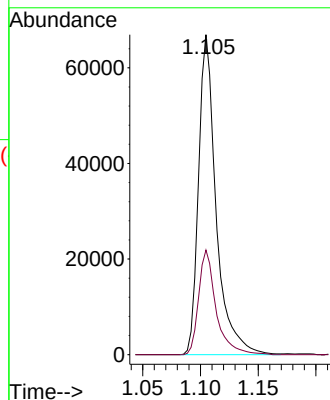
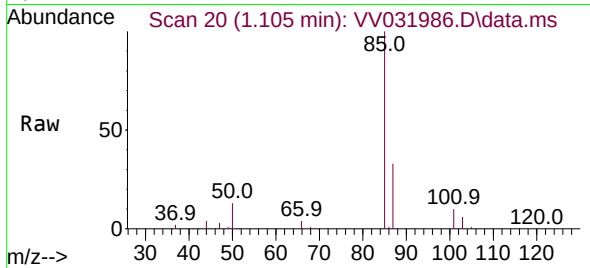




#2
 Dichlorodifluoromethane
 Concen: 43.863 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031986.D
 Acq: 08 Sep 2023 17:24

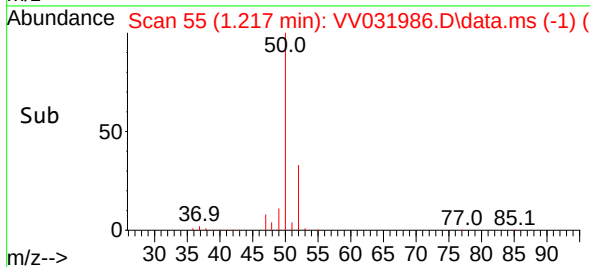
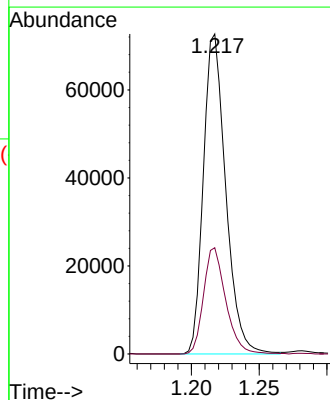
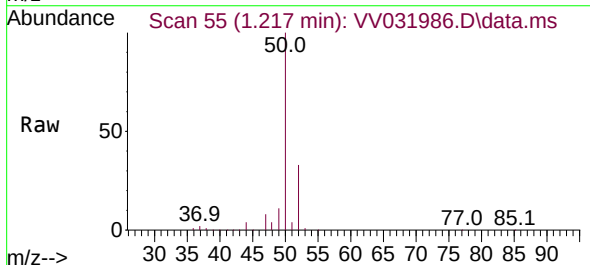
Instrument :
 MSVOA_V
 ClientSampleId :

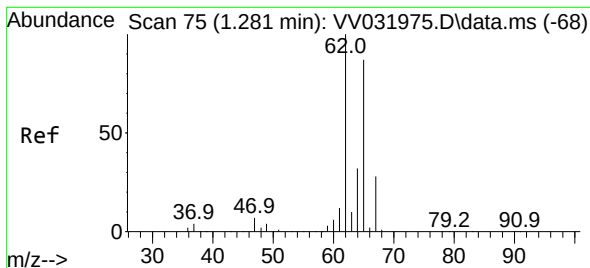
Tgt Ion: 85 Resp: 70873
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.8 40.2



#3
 Chloromethane
 Concen: 50.619 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031986.D
 Acq: 08 Sep 2023 17:24

Tgt Ion: 50 Resp: 83401
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 49.792 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

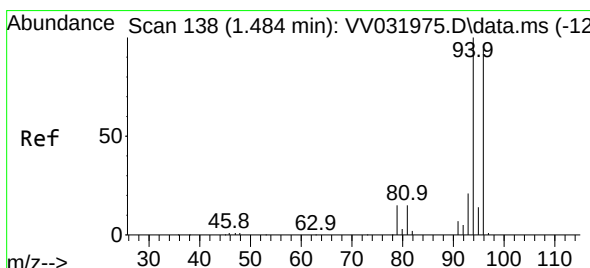
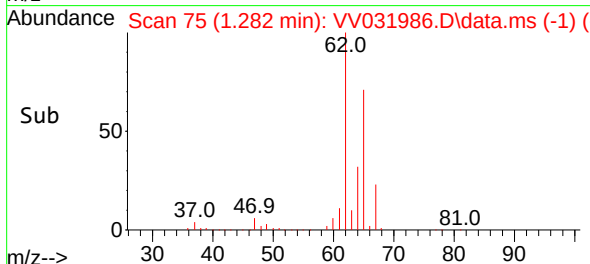
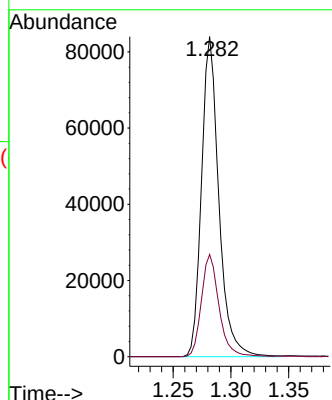
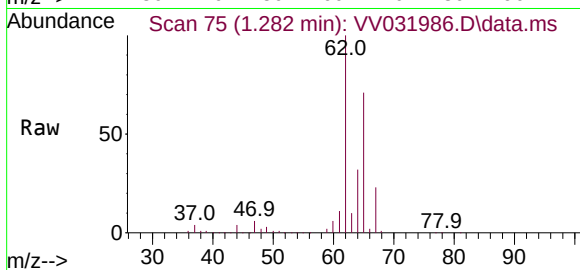
ClientSampleId :

Tgt Ion: 62 Resp: 87613

Ion Ratio Lower Upper

62 100

64 32.0 23.6 43.8



#6

Bromomethane

Concen: 47.091 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV031986.D

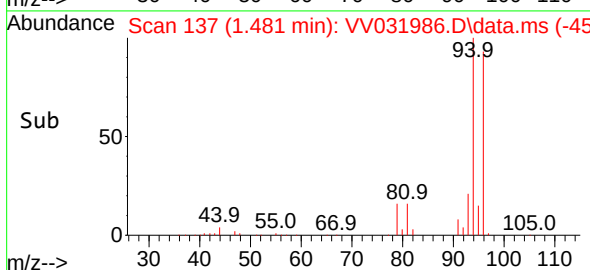
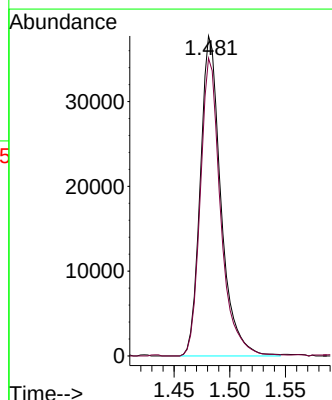
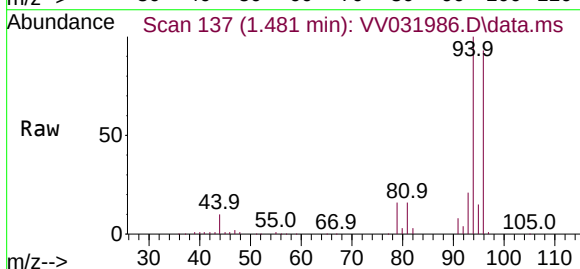
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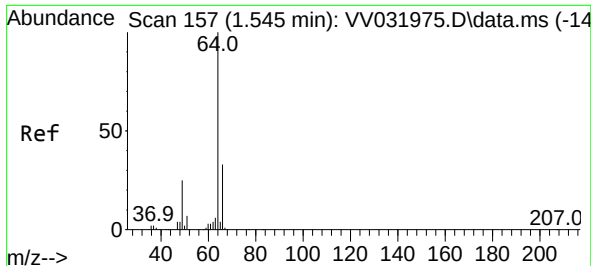
Tgt Ion: 94 Resp: 48788

Ion Ratio Lower Upper

94 100

96 93.0 66.4 123.4

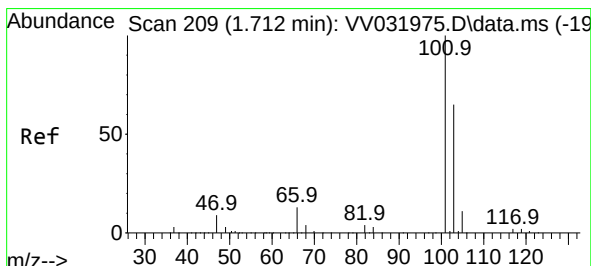
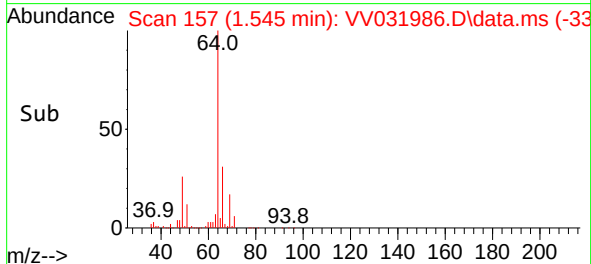
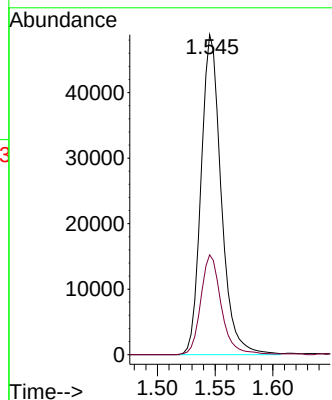
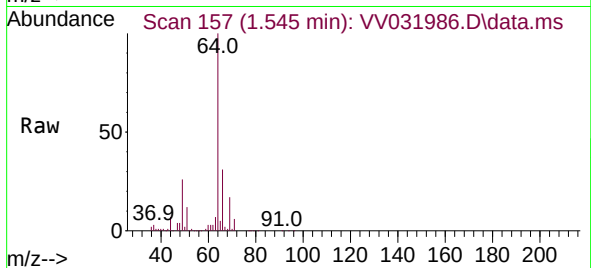




#8
Chloroethane
Concen: 50.639 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

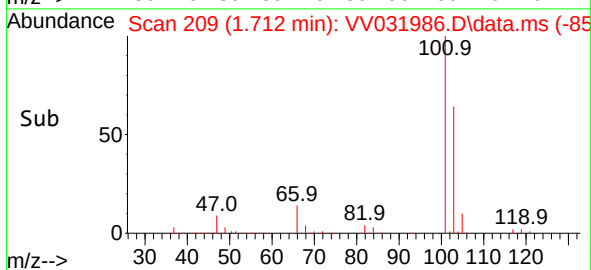
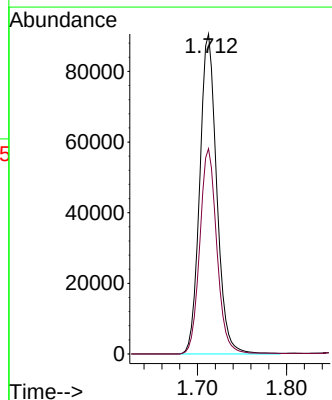
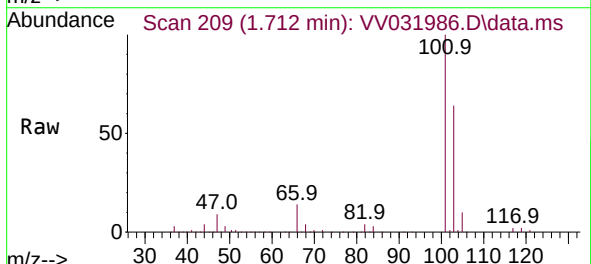
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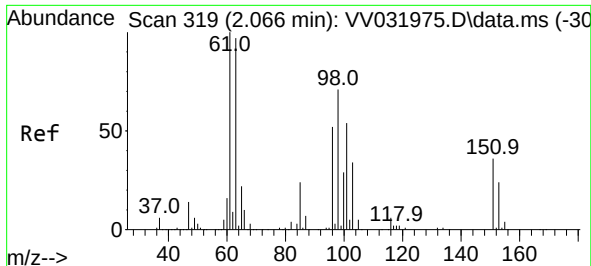
Tgt Ion: 64 Resp: 59217
Ion Ratio Lower Upper
64 100
66 31.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.848 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 101 Resp: 120164
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

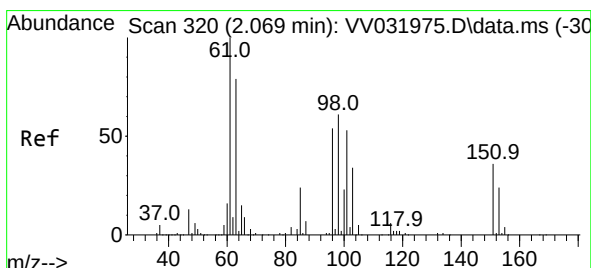
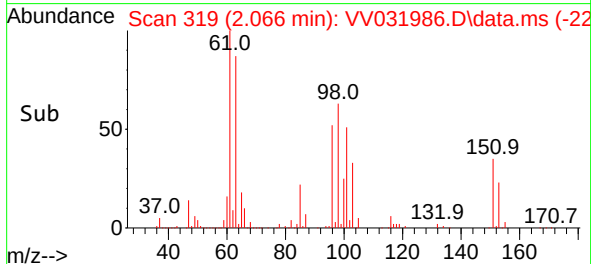
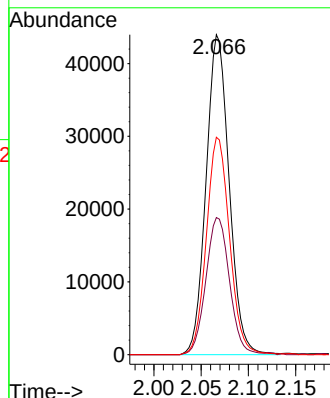
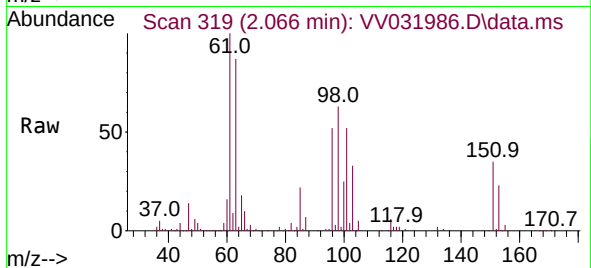




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.228 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV031986.D
 Acq: 08 Sep 2023 17:24

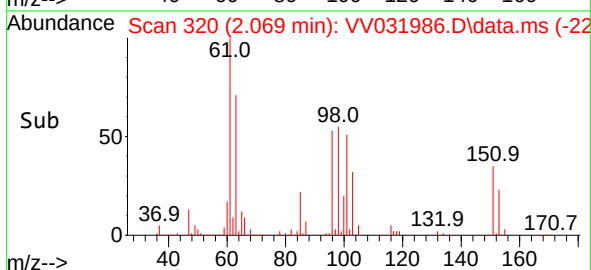
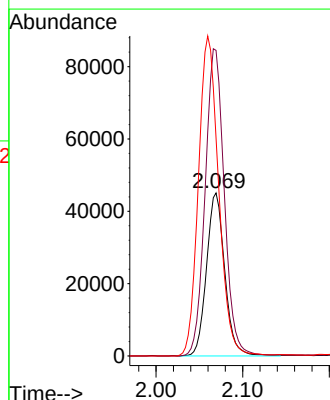
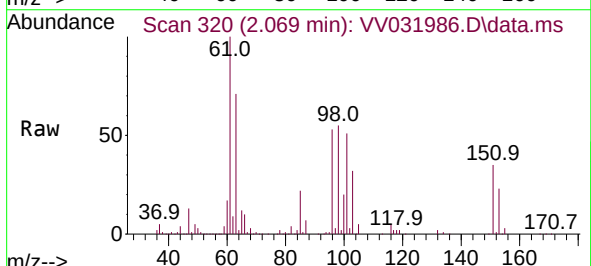
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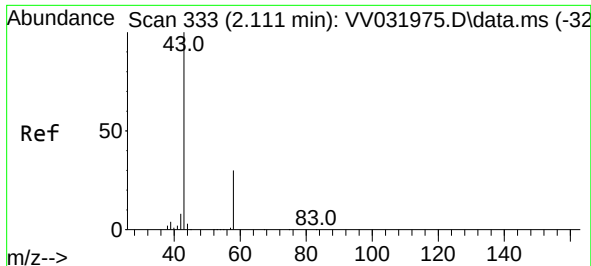
Tgt Ion:101 Resp: 74691
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.8 53.8
 151 68.3 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 47.481 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV031986.D
 Acq: 08 Sep 2023 17:24

Tgt Ion: 96 Resp: 66049
 Ion Ratio Lower Upper
 96 100
 61 187.5 133.8 248.6
 63 133.8 115.2 214.0





#13

Acetone

Concen: 100.501 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

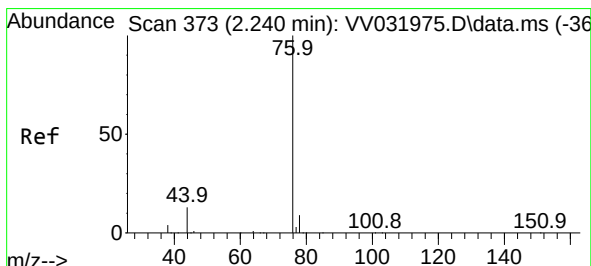
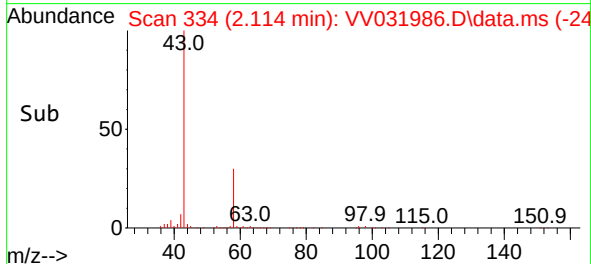
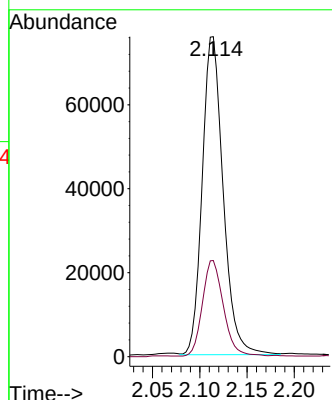
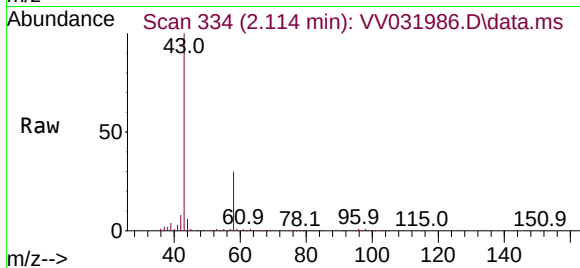
ClientSampleId :

Tgt Ion: 43 Resp: 116862

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.0



#14

Carbon disulfide

Concen: 47.694 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV031986.D

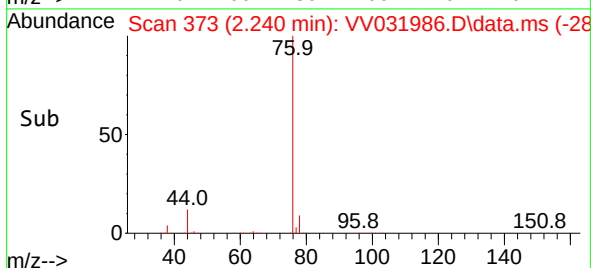
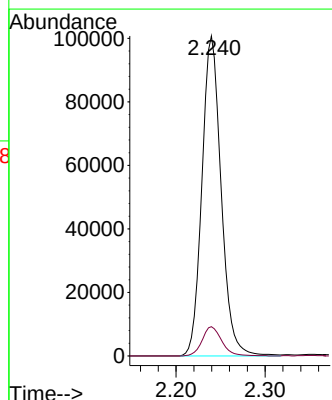
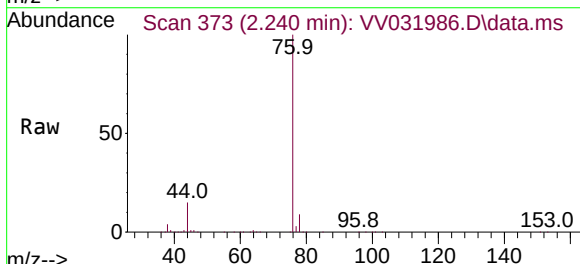
Acq: 08 Sep 2023 17:24

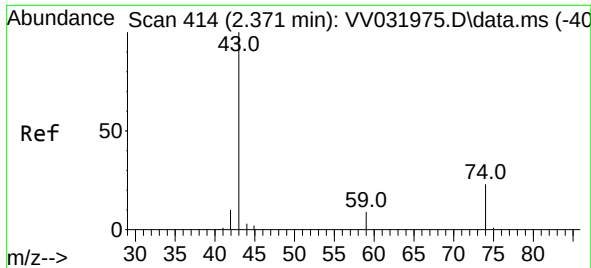
Tgt Ion: 76 Resp: 151174

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 60.318 ug/L

RT: 2.375 min Scan# 414

Delta R.T. 0.003 min

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Instrument :

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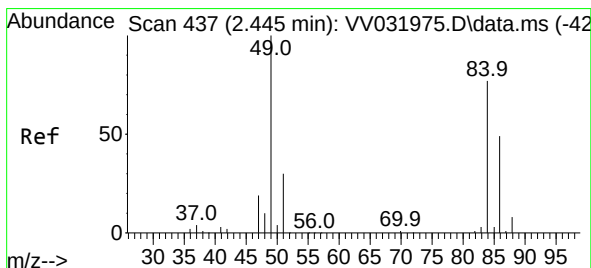
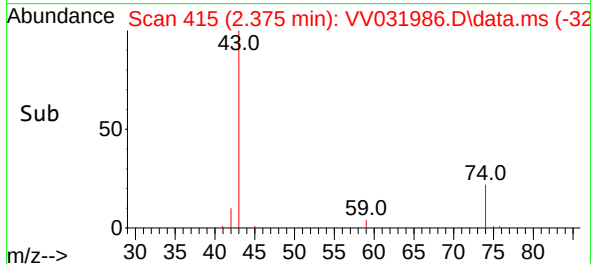
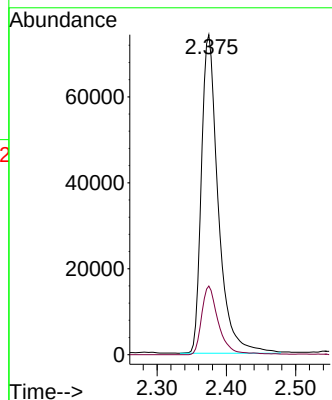
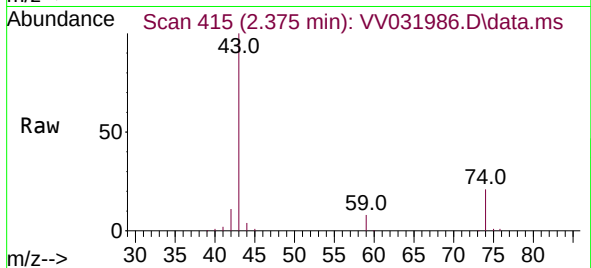
ClientSampleId :

Tgt Ion: 43 Resp: 125088

Ion Ratio Lower Upper

43 100

74 21.2 17.9 26.9



#16

Methylene chloride

Concen: 51.113 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

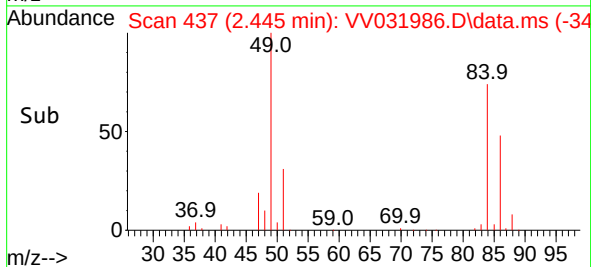
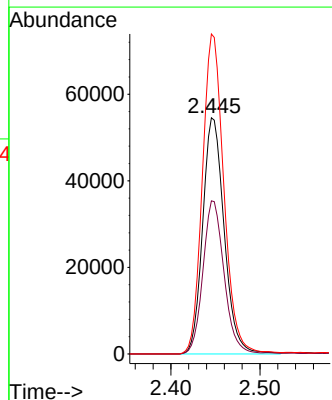
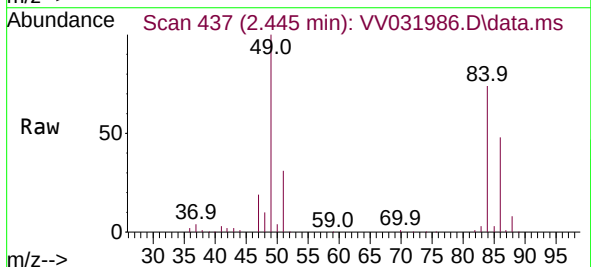
Tgt Ion: 84 Resp: 91369

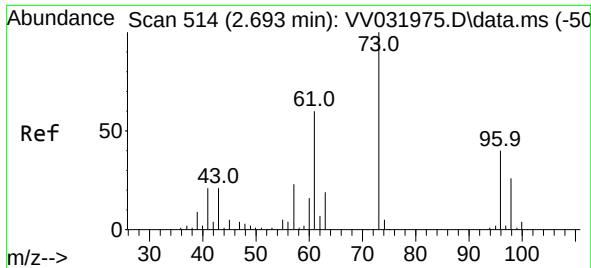
Ion Ratio Lower Upper

84 100

86 64.8 44.6 82.8

49 135.5 91.6 170.2

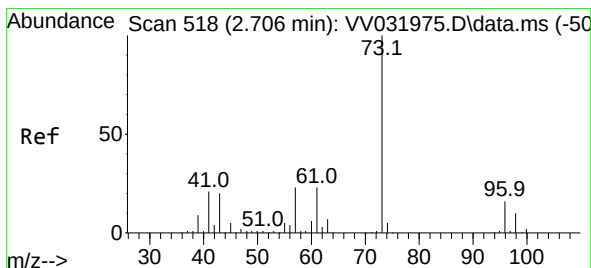
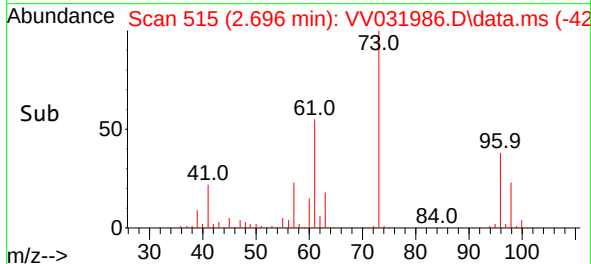
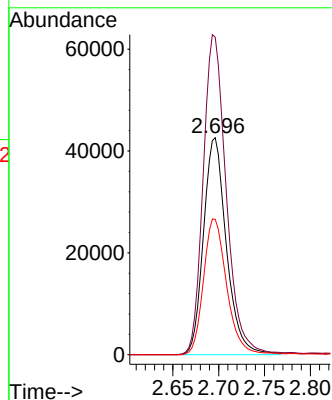
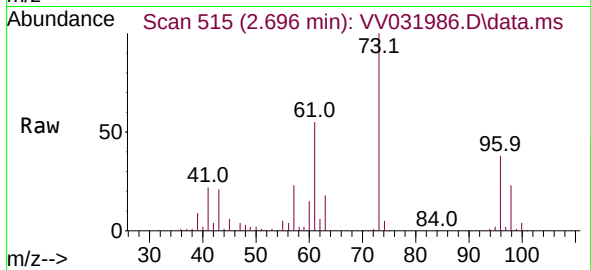




#17
trans-1,2-Dichloroethene
Concen: 48.698 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

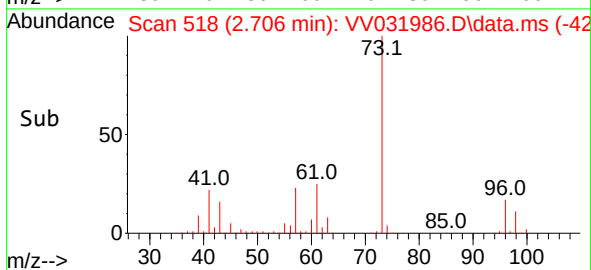
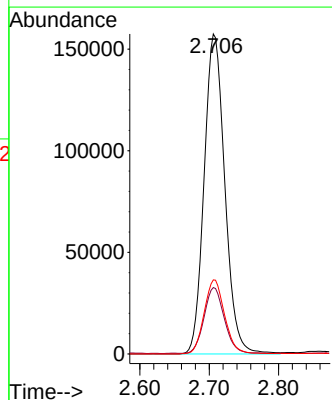
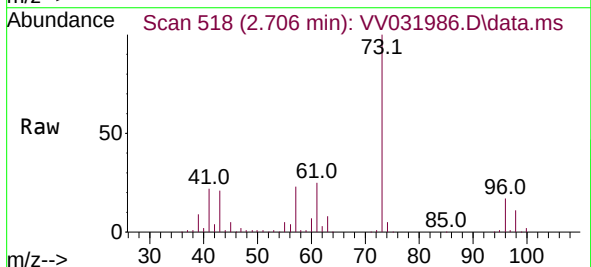
Instrument :
MSVOA_V
ClientSampleId :

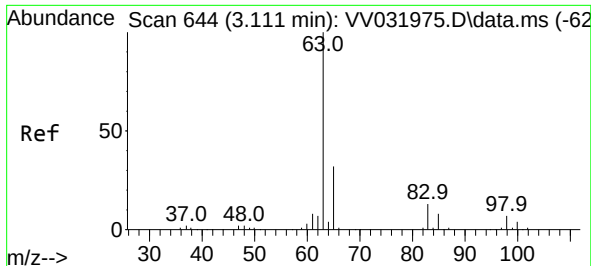
Tgt Ion: 96 Resp: 74267
Ion Ratio Lower Upper
96 100
61 146.3 107.3 199.3
98 62.4 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 50.665 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 73 Resp: 326552
Ion Ratio Lower Upper
73 100
43 20.0 16.6 25.0
57 23.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 52.674 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

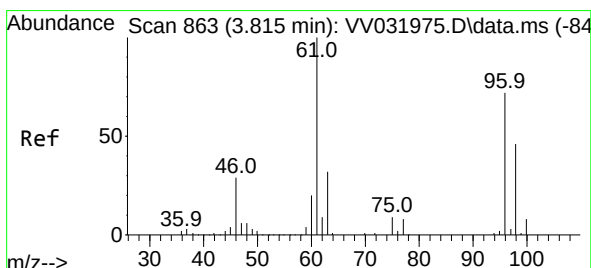
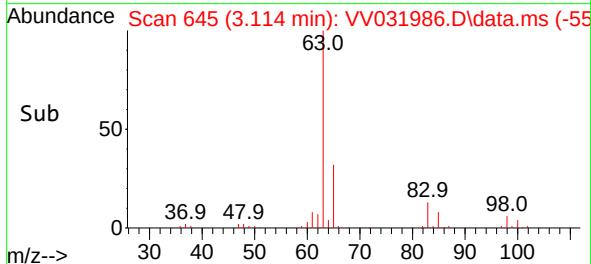
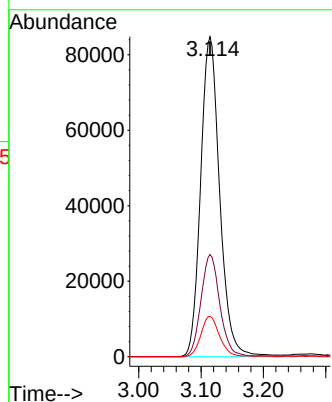
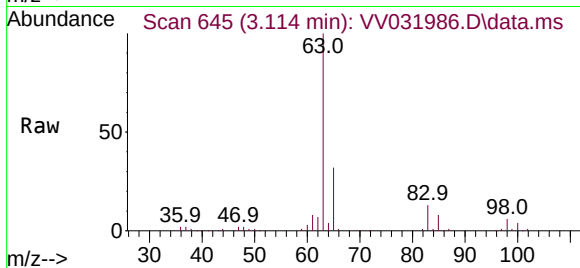
Tgt Ion: 63 Resp: 180027

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 12.6 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 49.540 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

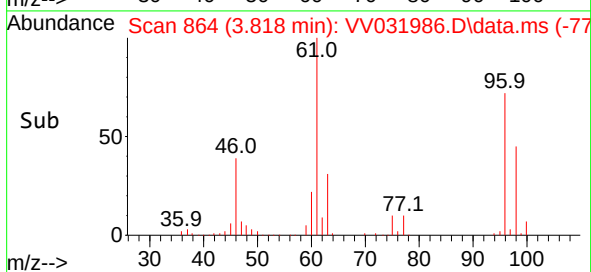
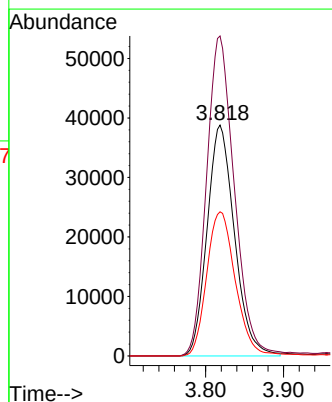
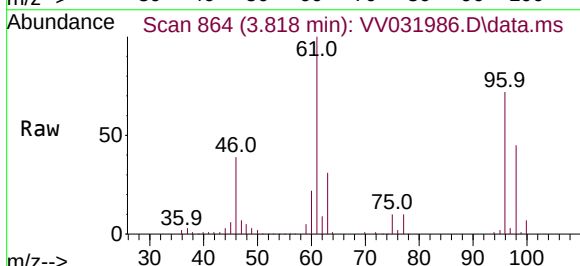
Tgt Ion: 96 Resp: 94787

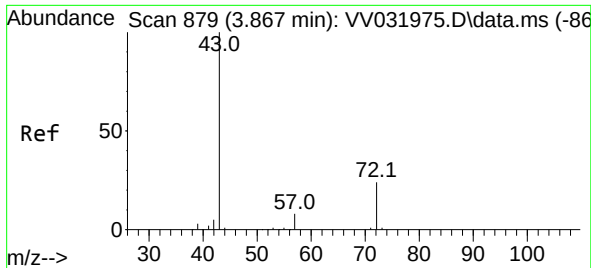
Ion Ratio Lower Upper

96 100

61 138.6 97.3 180.7

98 62.5 45.3 84.1

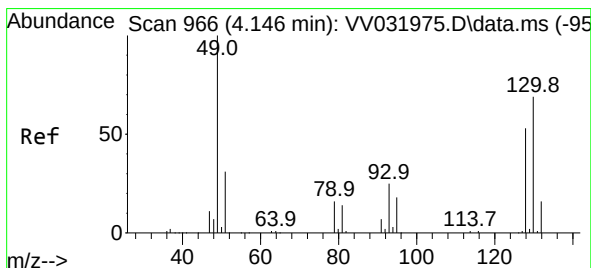
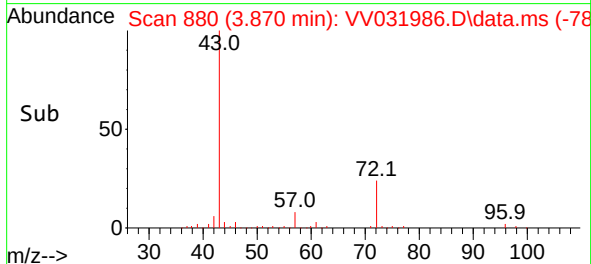
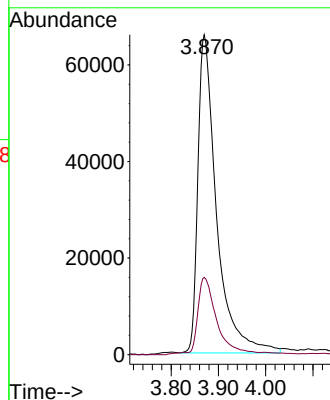
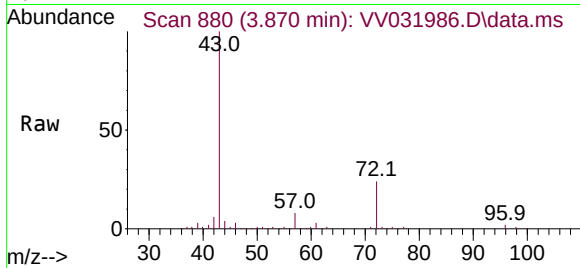




#22
2-Butanone
Concen: 117.404 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

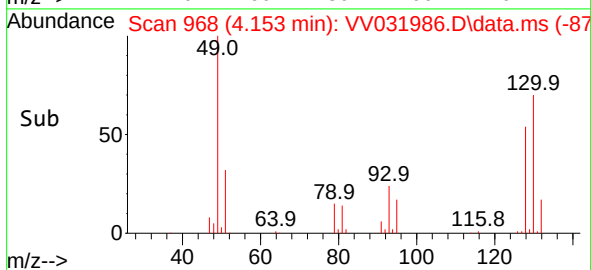
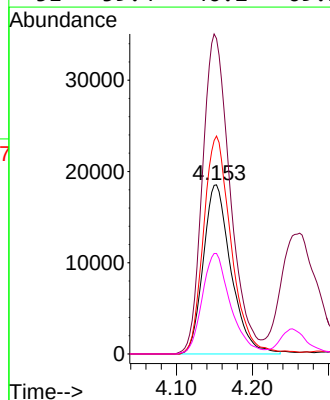
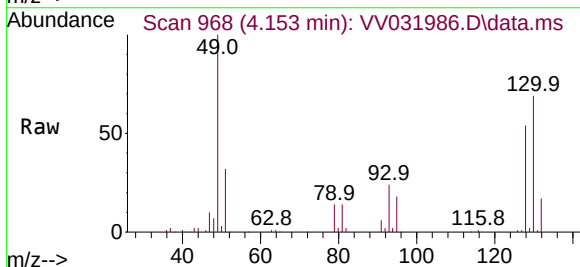
Instrument :
MSVOA_V
ClientSampleId :

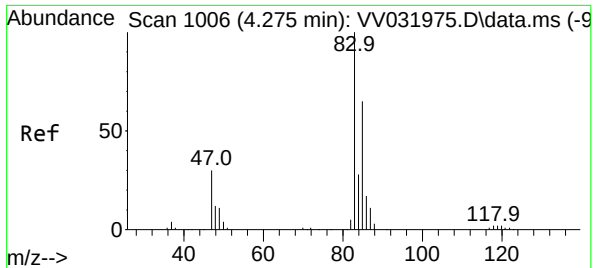
Tgt Ion: 43 Resp: 180643
Ion Ratio Lower Upper
43 100
72 23.0 12.6 37.8



#23
Bromochloromethane
Concen: 50.469 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.007 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 128 Resp: 46849
Ion Ratio Lower Upper
128 100
49 186.5 127.8 237.4
130 128.9 90.1 167.3
51 59.4 46.2 69.2

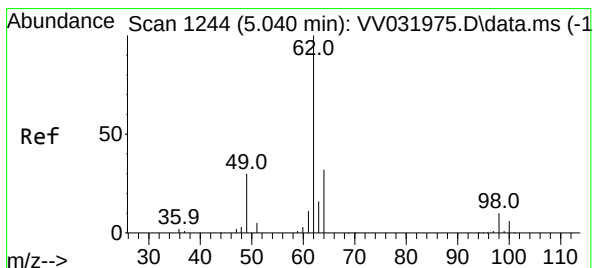
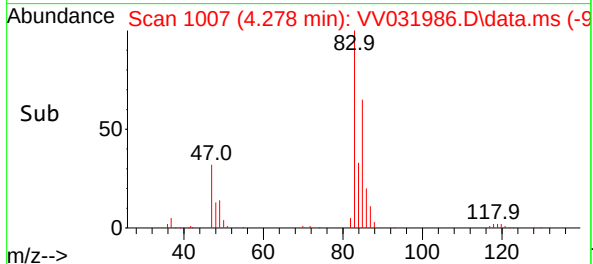
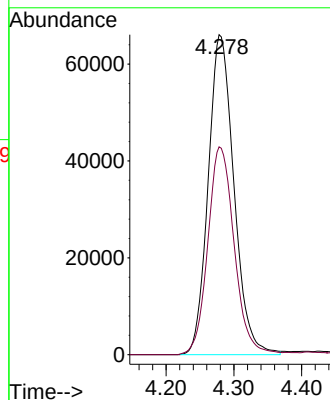
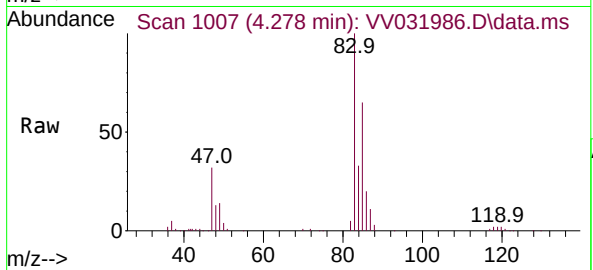




#25
Chloroform
Concen: 49.061 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

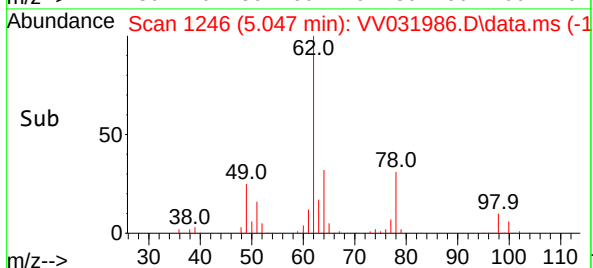
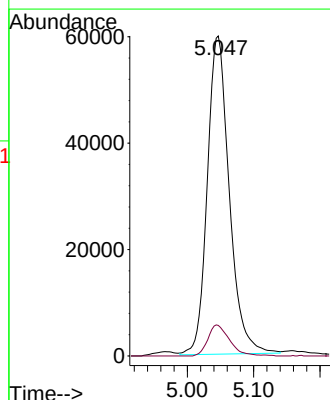
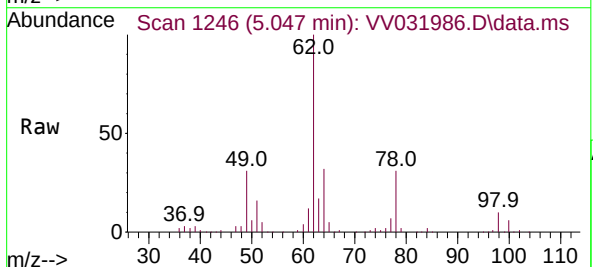
Instrument :
MSVOA_V
ClientSampleId :

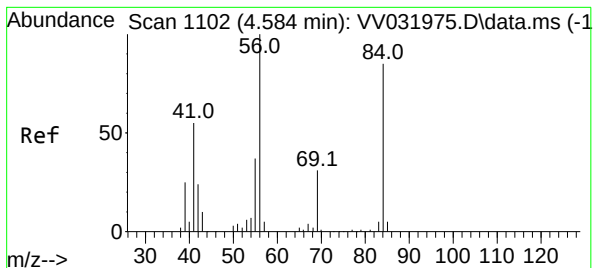
Tgt Ion: 83 Resp: 174340
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.206 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.007 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 62 Resp: 137754
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.4





#29

Cyclohexane

Concen: 50.708 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

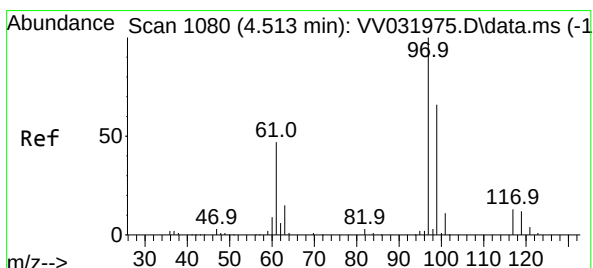
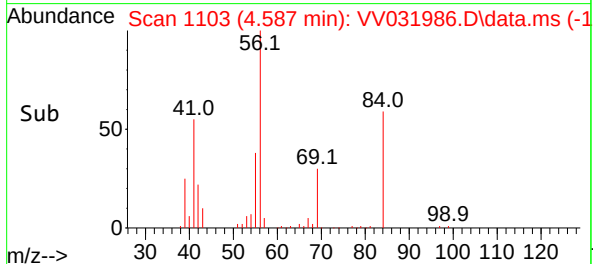
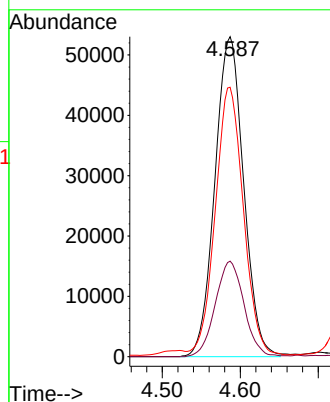
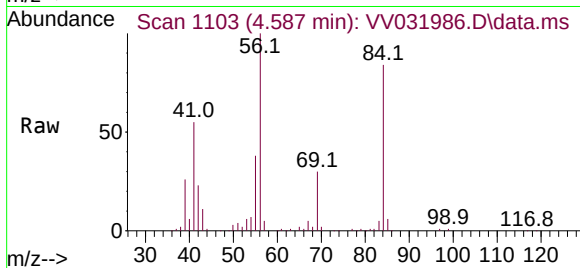
Tgt Ion: 56 Resp: 135756

Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.4

84 81.6 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 48.634 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

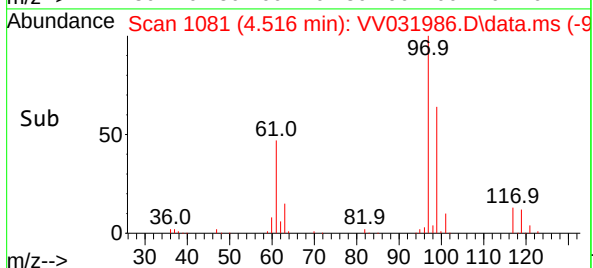
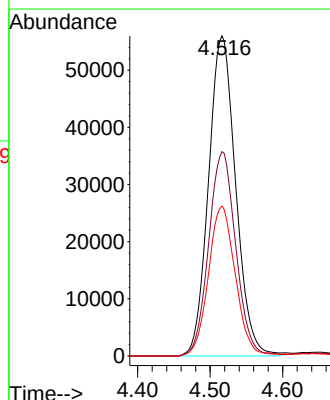
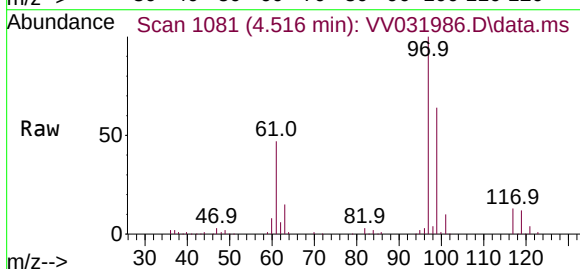
Tgt Ion: 97 Resp: 145865

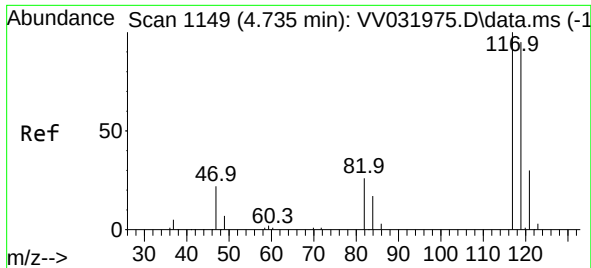
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 46.4 36.5 54.7

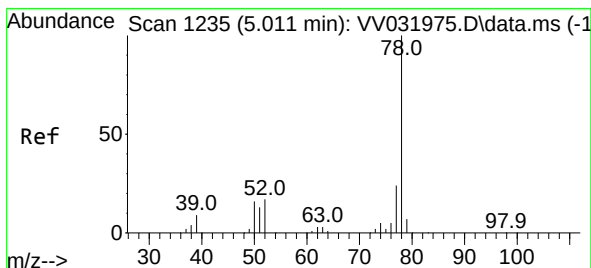
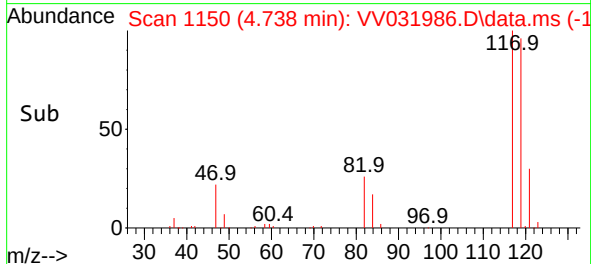
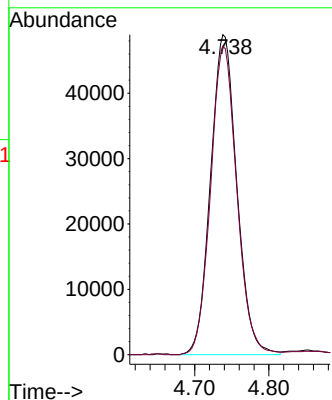
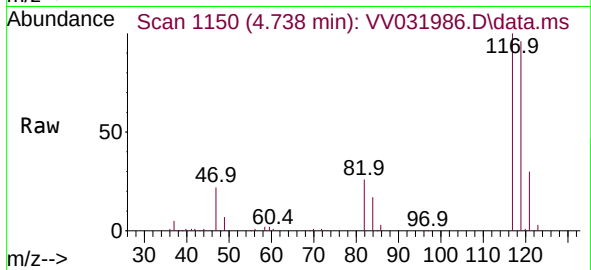




#31
Carbon tetrachloride
Concen: 47.348 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

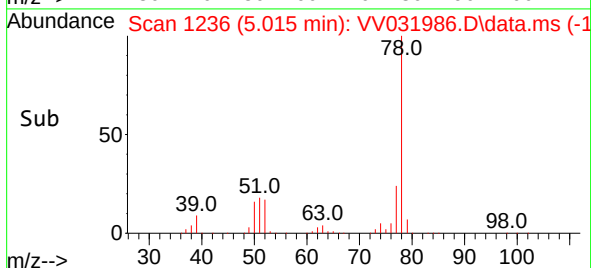
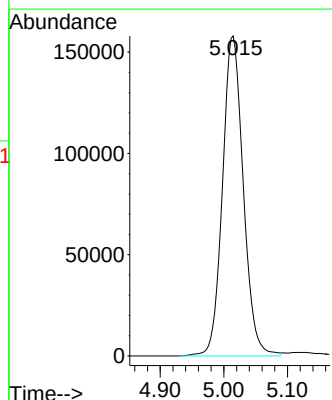
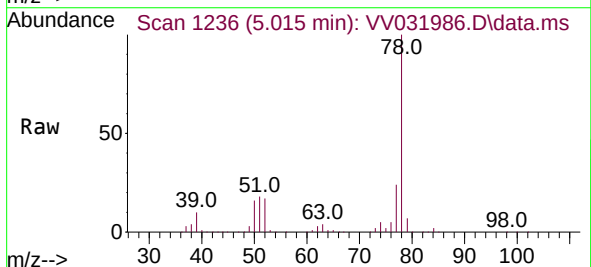
Instrument :
MSVOA_V
ClientSampleId :

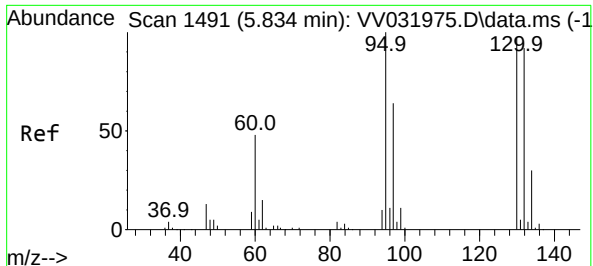
Tgt Ion:117 Resp: 120582
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.2



#33
Benzene
Concen: 51.970 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 78 Resp: 359053





#34

Trichloroethene

Concen: 44.679 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 94404

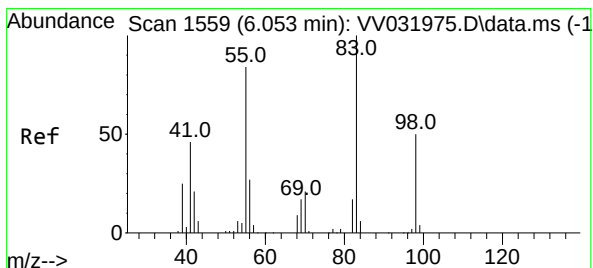
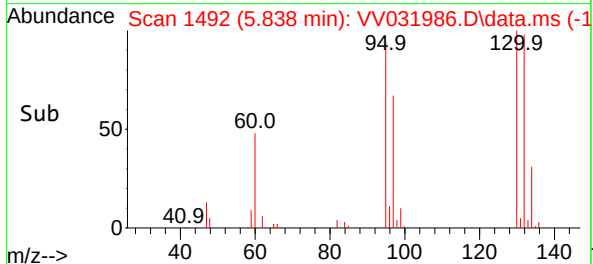
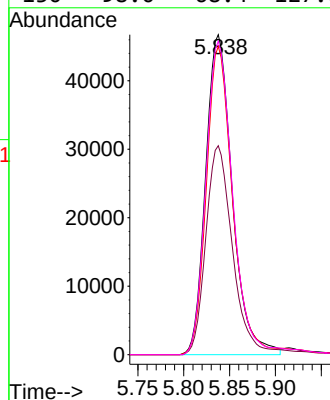
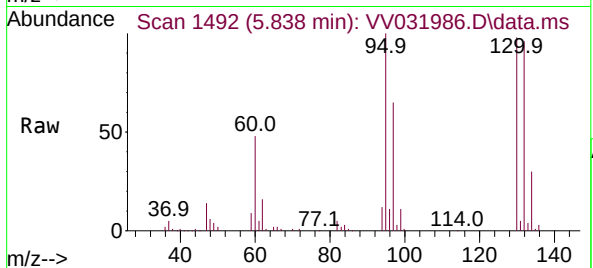
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.2

132 96.4 65.4 121.4

130 98.0 68.4 127.0



#35

Methylcyclohexane

Concen: 48.988 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

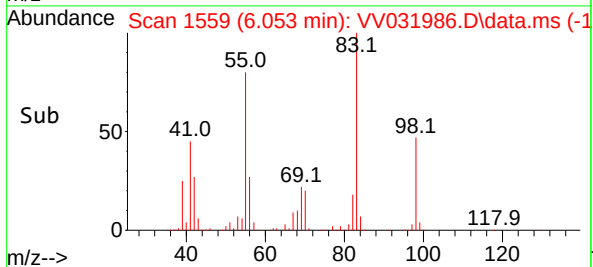
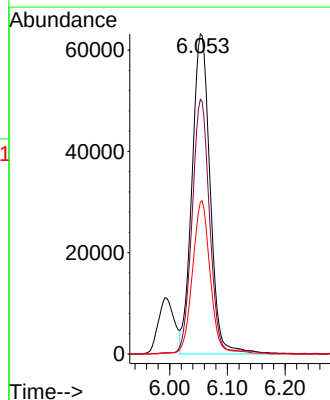
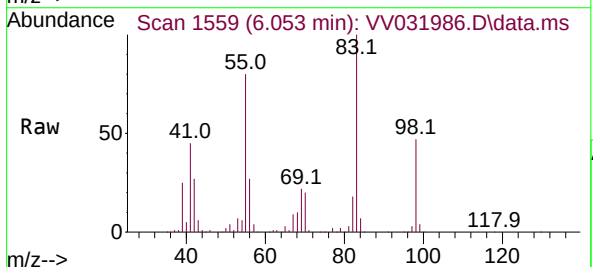
Tgt Ion: 83 Resp: 137677

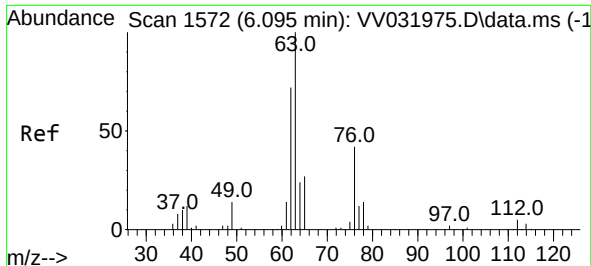
Ion Ratio Lower Upper

83 100

55 75.9 62.2 93.2

98 46.8 36.7 55.1





#37

1,2-Dichloropropane

Concen: 54.987 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

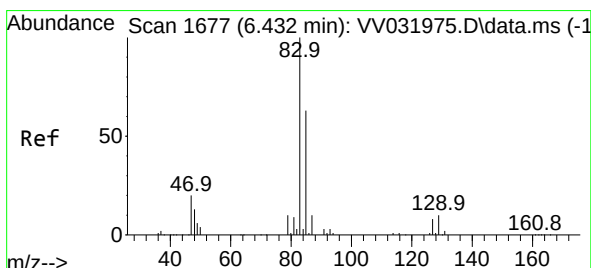
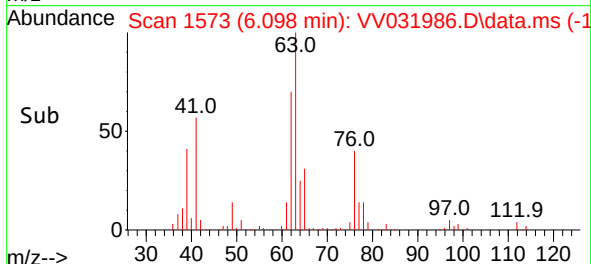
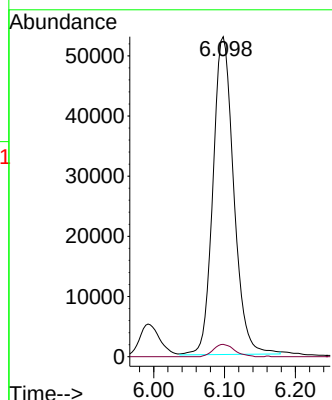
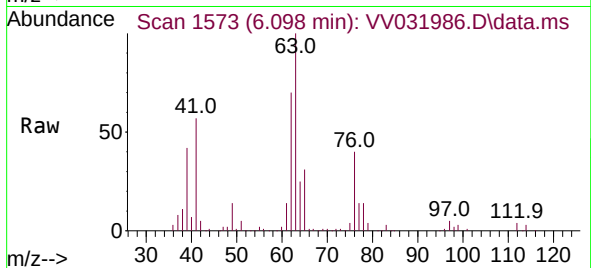
ClientSampleId :

Tgt Ion: 63 Resp: 107681

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 49.994 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

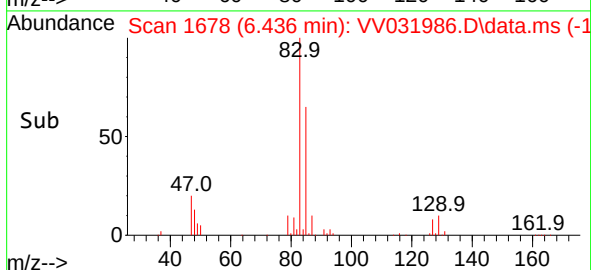
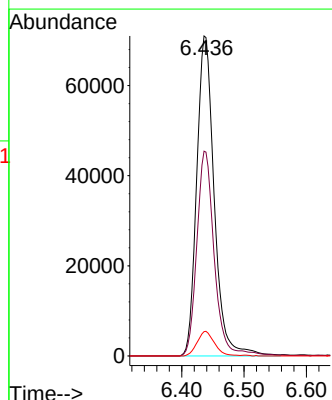
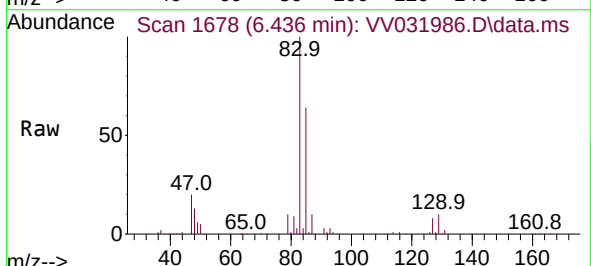
Tgt Ion: 83 Resp: 138965

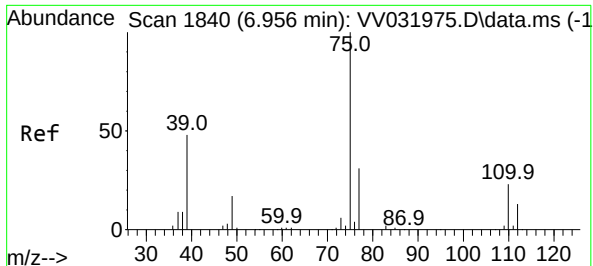
Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

127 7.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 50.629 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

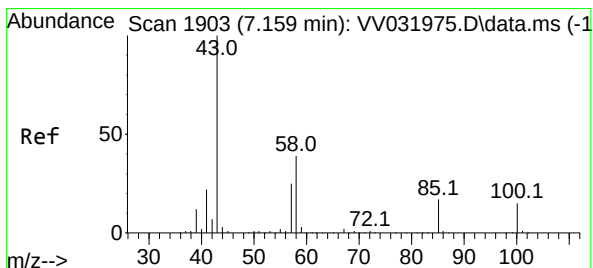
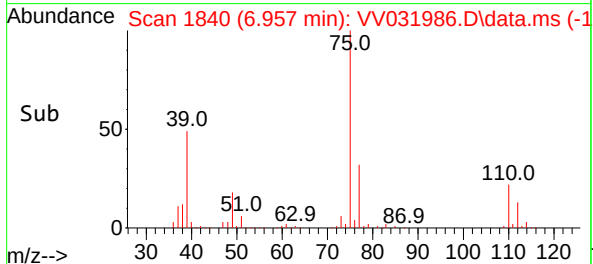
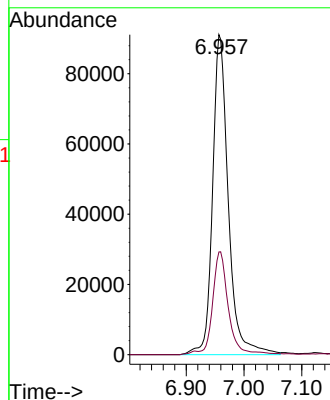
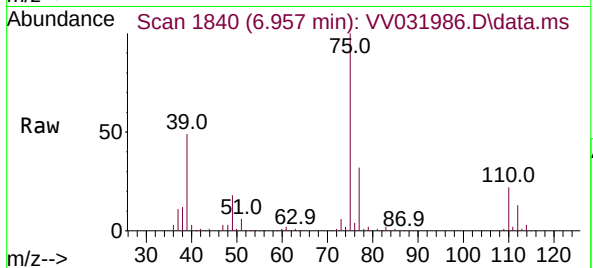
ClientSampleId :

Tgt Ion: 75 Resp: 172376

Ion Ratio Lower Upper

75 100

77 32.1 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 119.084 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

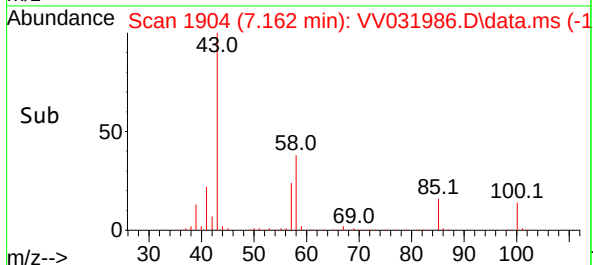
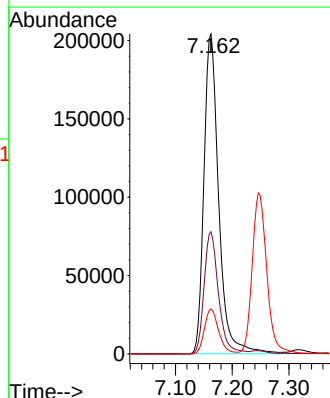
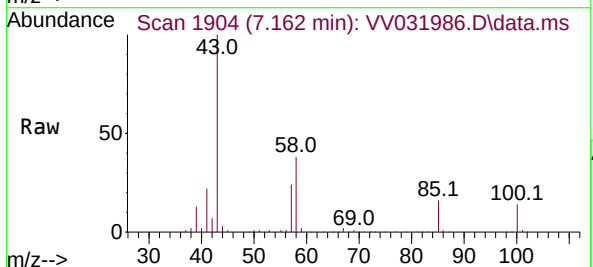
Tgt Ion: 43 Resp: 370134

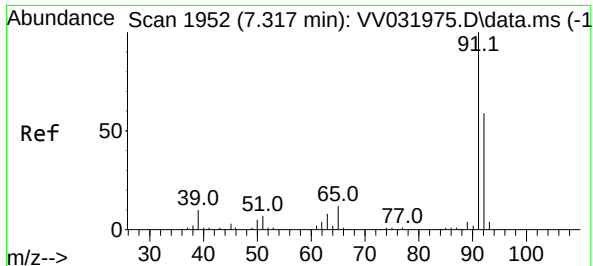
Ion Ratio Lower Upper

43 100

58 37.5 31.1 46.7

100 13.5 11.9 17.9





#42

Toluene

Concen: 50.426 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

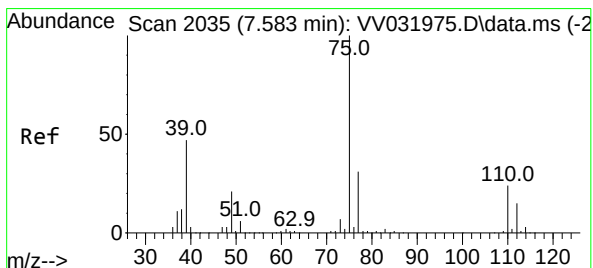
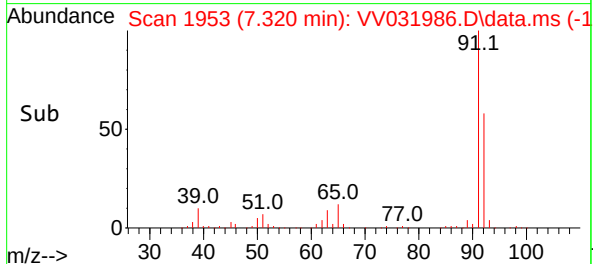
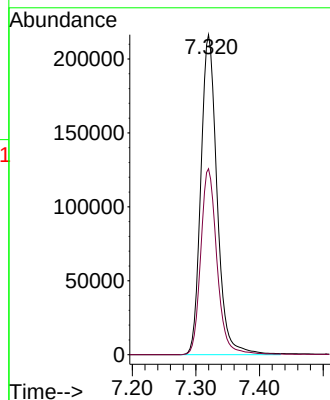
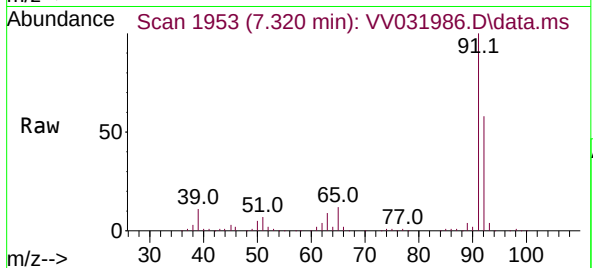
ClientSampleId :

Tgt Ion: 91 Resp: 383234

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 48.706 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031986.D

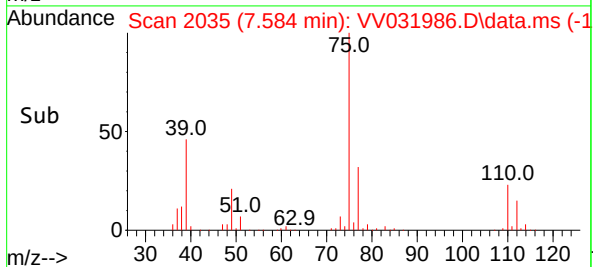
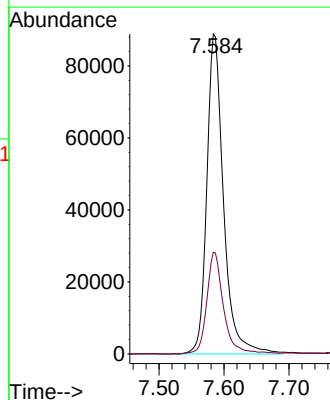
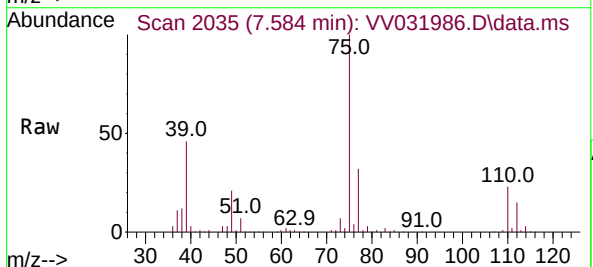
Acq: 08 Sep 2023 17:24

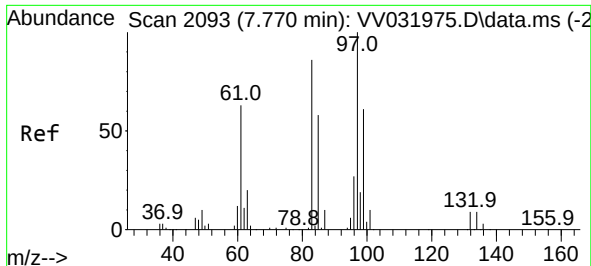
Tgt Ion: 75 Resp: 159329

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 51.674 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 102234

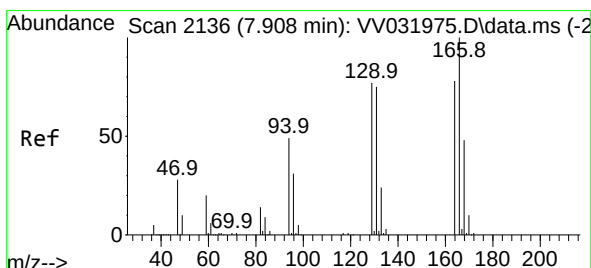
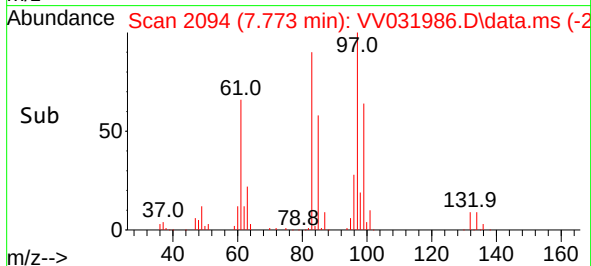
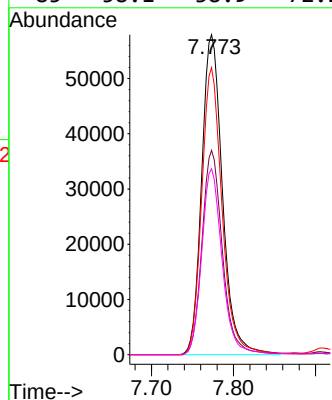
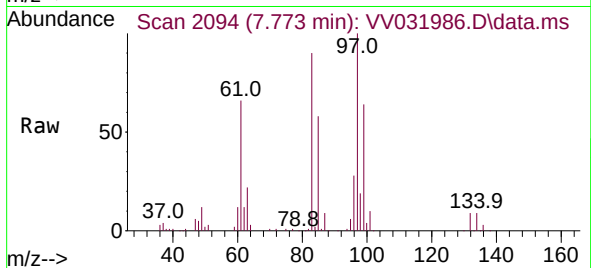
Ion Ratio Lower Upper

97 100

99 63.8 43.0 79.8

83 89.7 61.2 113.6

85 58.1 38.9 72.2



#46

Tetrachloroethene

Concen: 47.353 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Tgt Ion:164 Resp: 62824

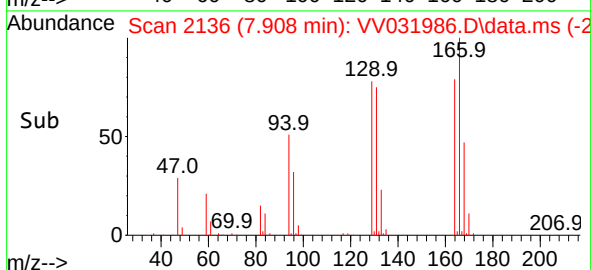
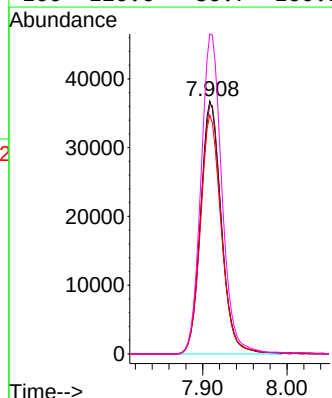
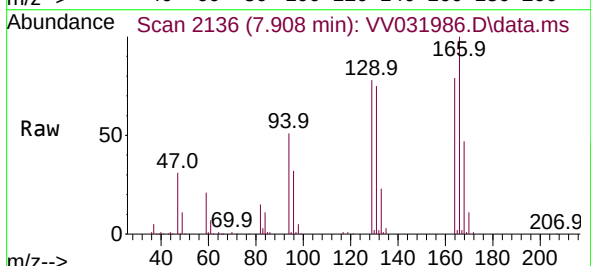
Ion Ratio Lower Upper

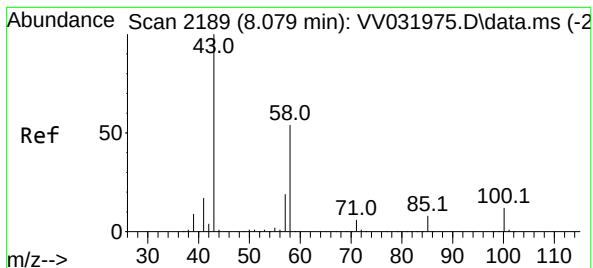
164 100

129 98.6 68.3 126.9

131 94.5 64.9 120.5

166 126.6 86.7 160.9





#48

2-Hexanone

Concen: 118.013 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

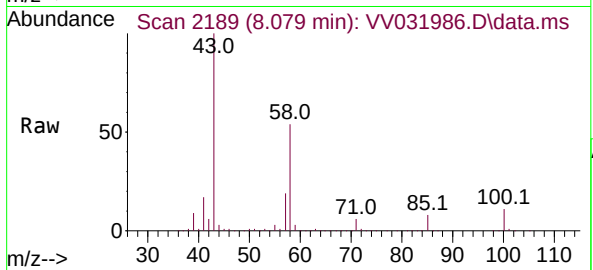
Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 280119

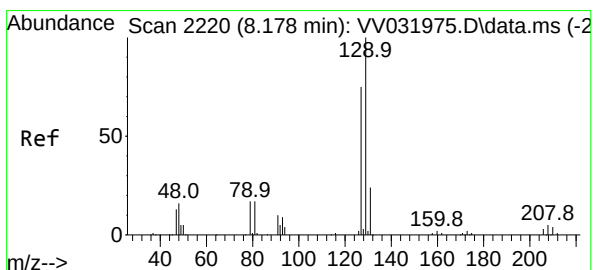
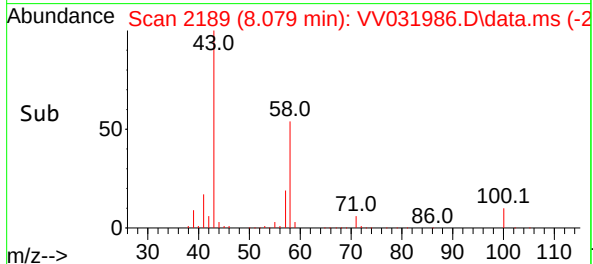
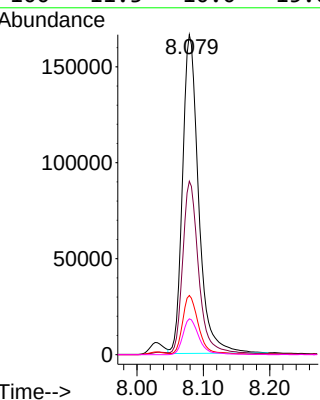
Ion Ratio Lower Upper

43 100

58 52.7 44.0 66.0

57 18.4 15.9 23.9

100 11.3 10.0 15.0



#49

Dibromochloromethane

Concen: 49.418 ug/L

RT: 8.182 min Scan# 2221

Delta R.T. 0.003 min

Lab File: VV031986.D

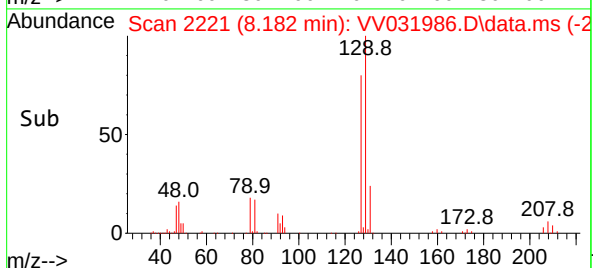
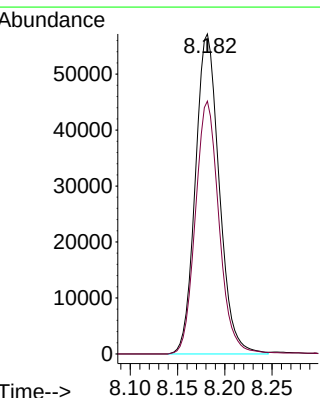
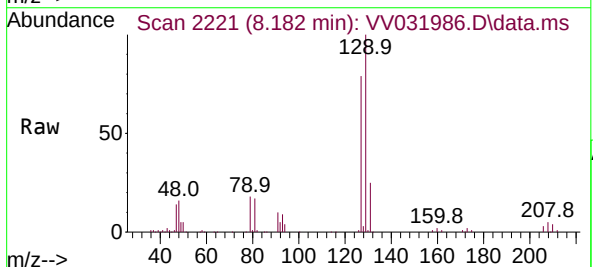
Acq: 08 Sep 2023 17:24

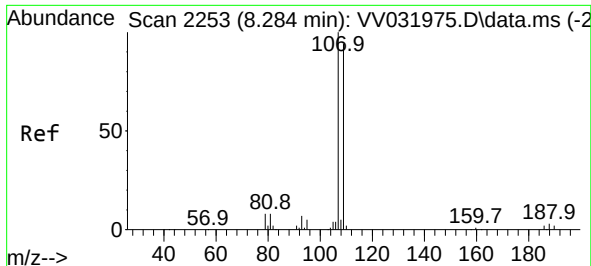
Tgt Ion: 129 Resp: 100468

Ion Ratio Lower Upper

129 100

127 79.0 54.7 101.7





#50

1,2-Dibromoethane

Concen: 49.837 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

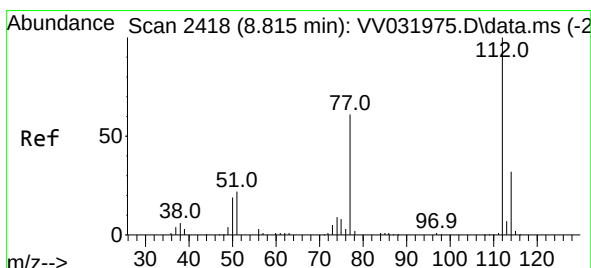
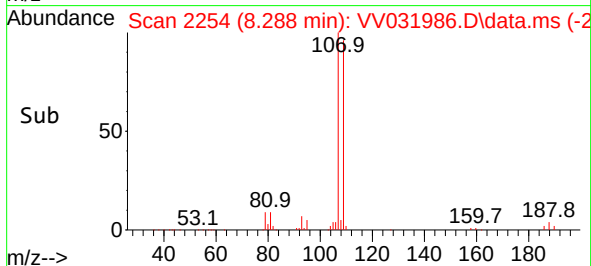
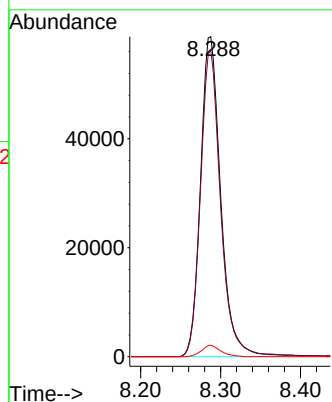
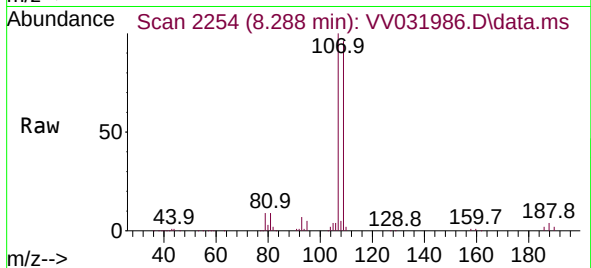
Tgt Ion:107 Resp: 103272

Ion Ratio Lower Upper

107 100

109 95.8 65.4 121.4

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 50.445 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

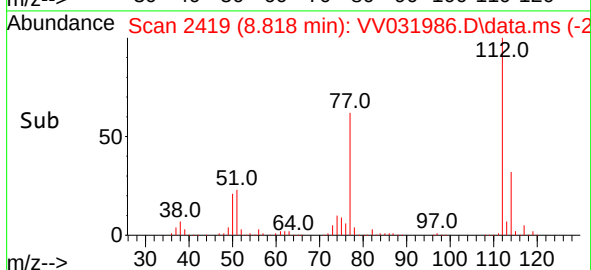
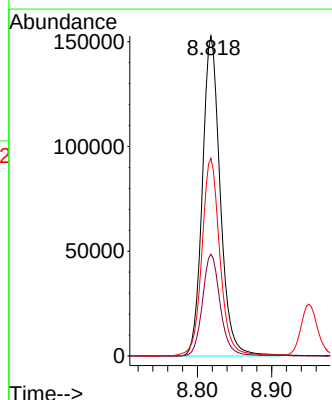
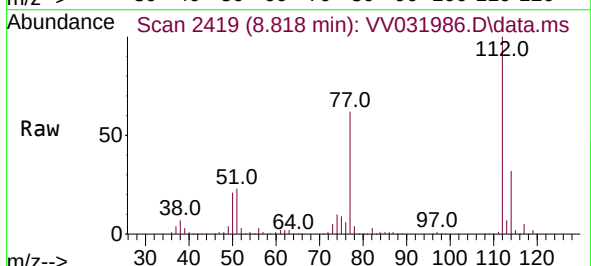
Tgt Ion:112 Resp: 254743

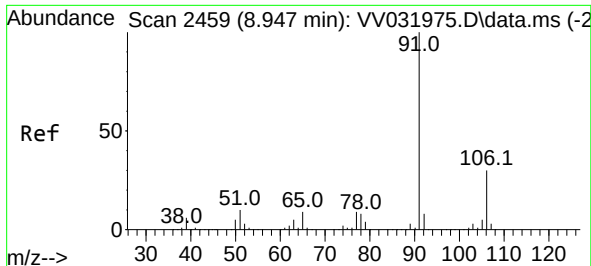
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 61.8 49.4 74.0

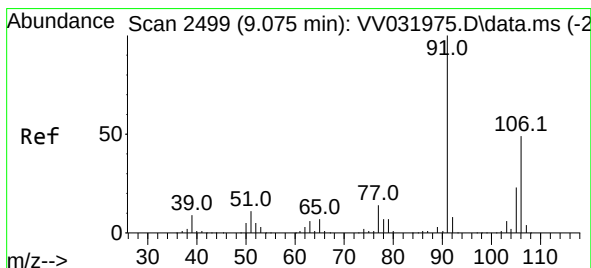
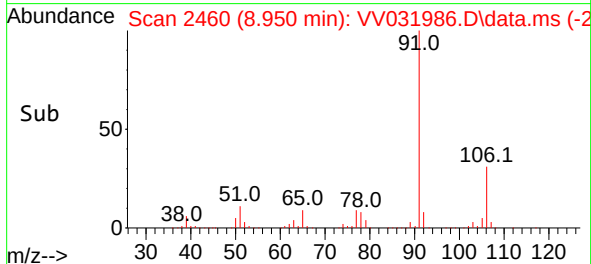
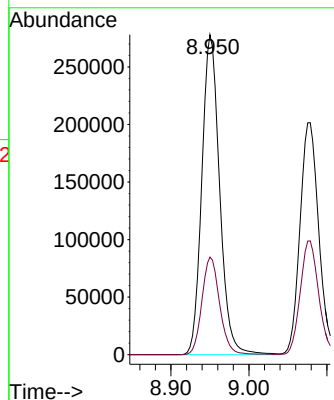
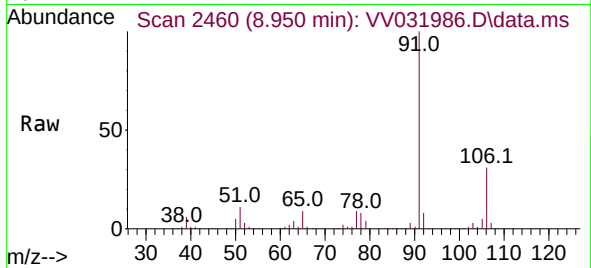




#52
Ethylbenzene
Concen: 49.097 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

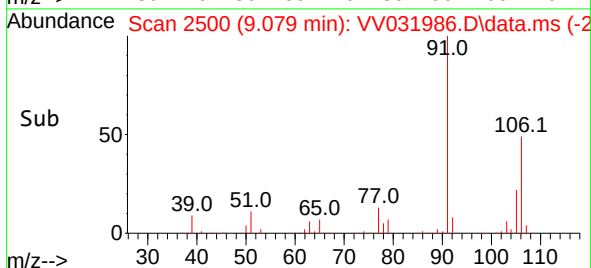
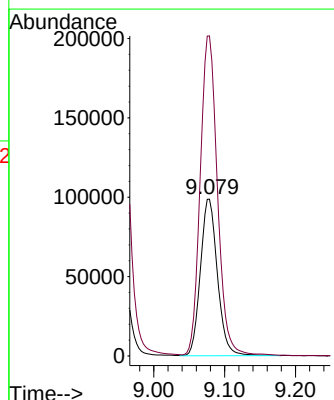
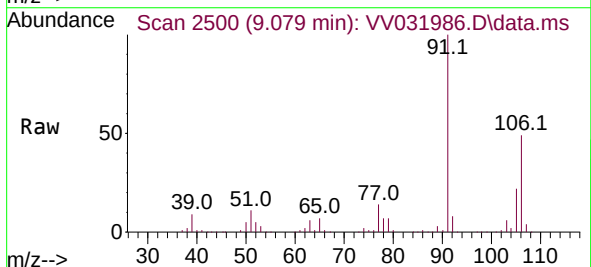
Instrument :
MSVOA_V
ClientSampleId :

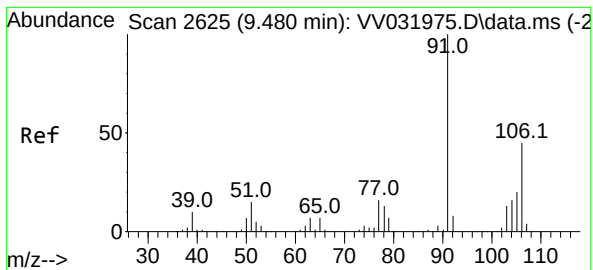
Tgt Ion: 91 Resp: 441990
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 49.068 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion:106 Resp: 164014
Ion Ratio Lower Upper
106 100
91 204.0 147.0 273.0





#54

o-Xylene

Concen: 49.814 ug/L

RT: 9.484 min Scan# 2625

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

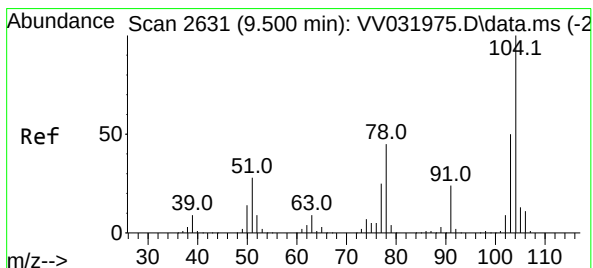
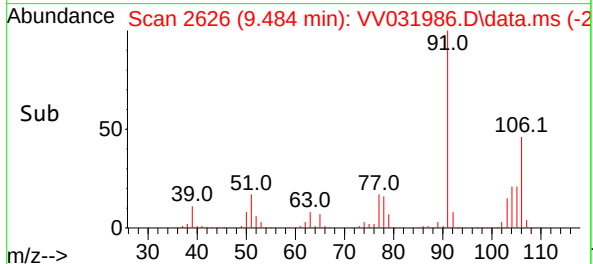
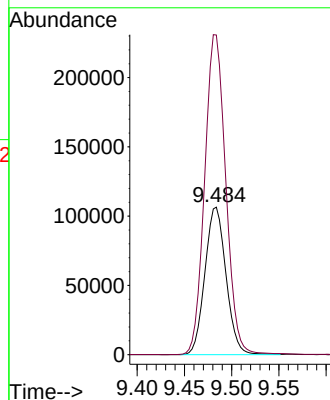
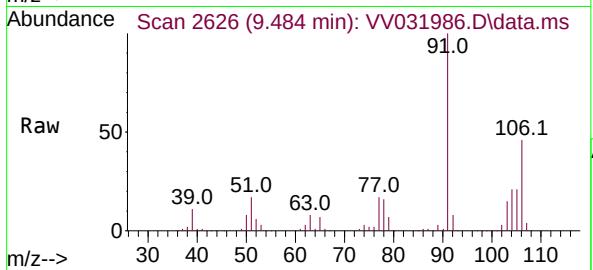
ClientSampleId :

Tgt Ion:106 Resp: 165605

Ion Ratio Lower Upper

106 100

91 216.6 154.3 286.5



#55

Styrene

Concen: 49.511 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV031986.D

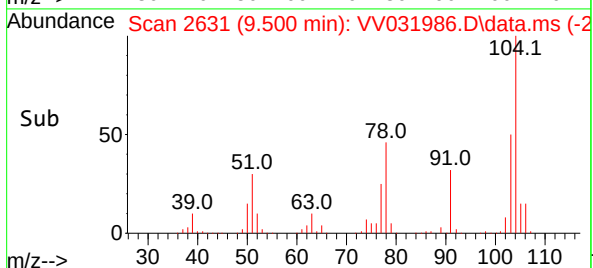
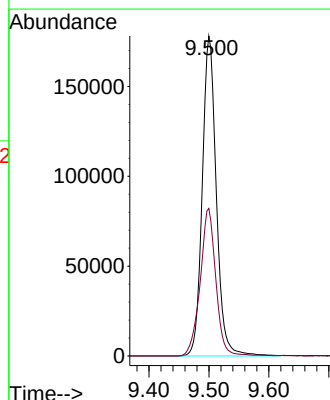
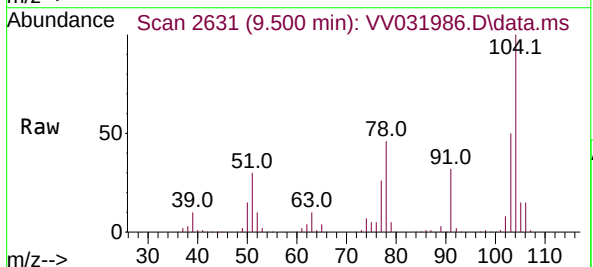
Acq: 08 Sep 2023 17:24

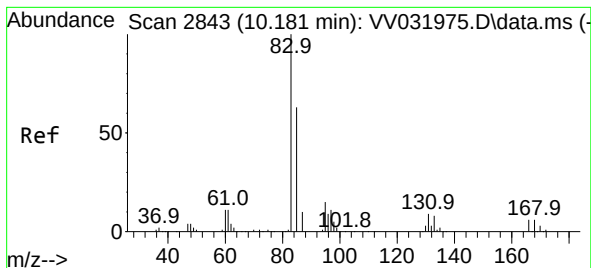
Tgt Ion:104 Resp: 290976

Ion Ratio Lower Upper

104 100

78 46.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 60.309 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

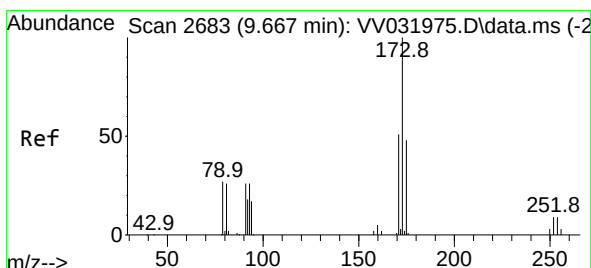
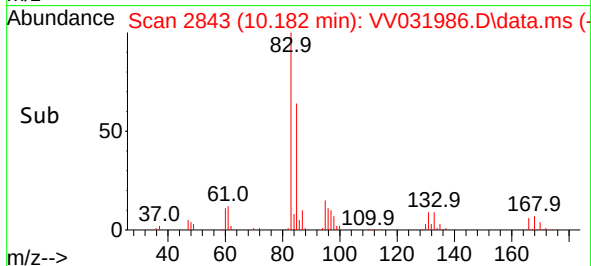
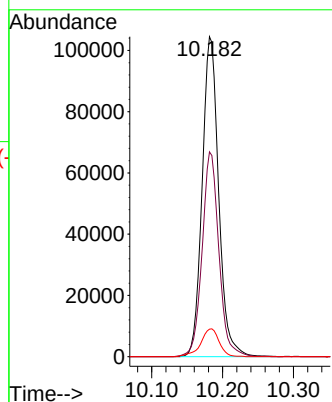
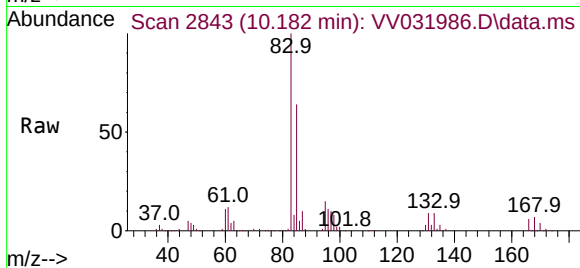
Tgt Ion: 83 Resp: 168907

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

131 8.6 7.4 11.2



#59

Bromoform

Concen: 50.002 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

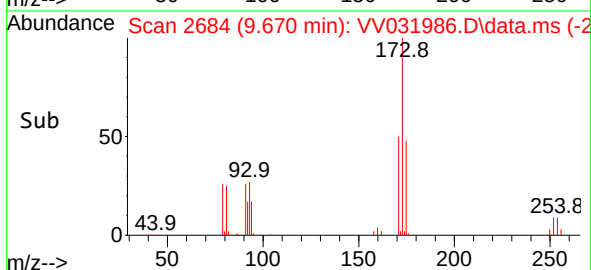
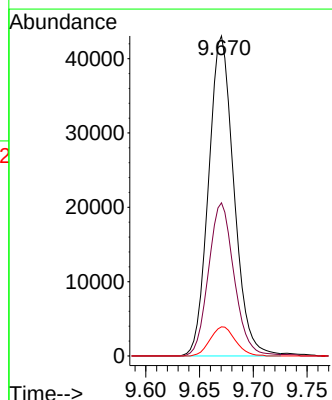
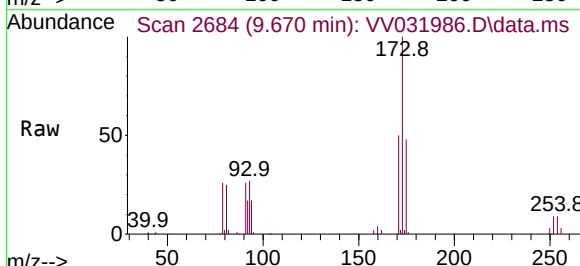
Tgt Ion: 173 Resp: 70470

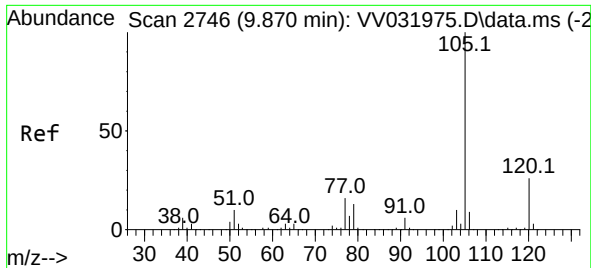
Ion Ratio Lower Upper

173 100

175 48.7 38.3 57.5

254 9.1 6.9 10.3

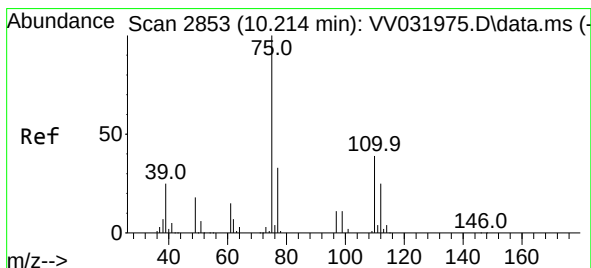
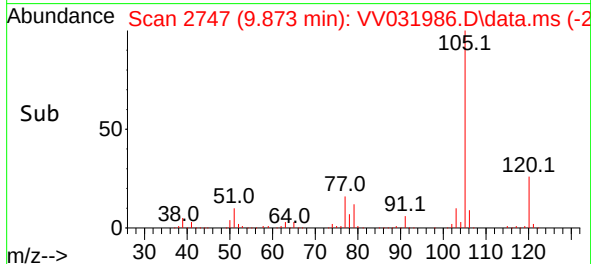
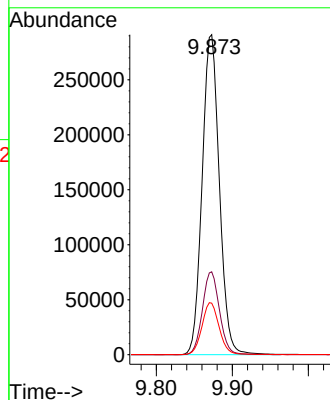
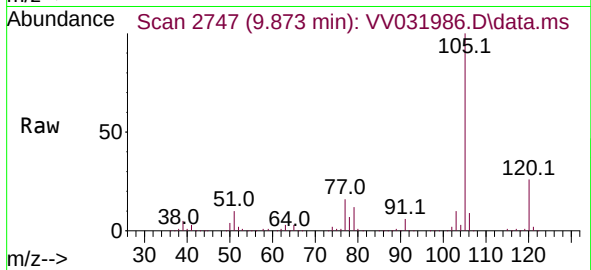




#60
Isopropylbenzene
Concen: 50.275 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

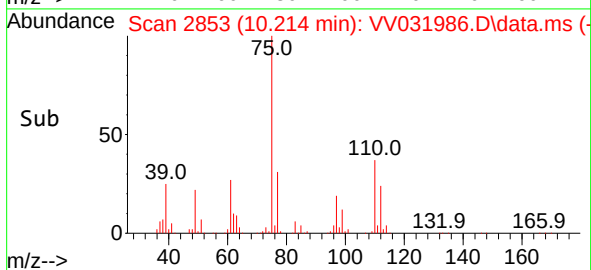
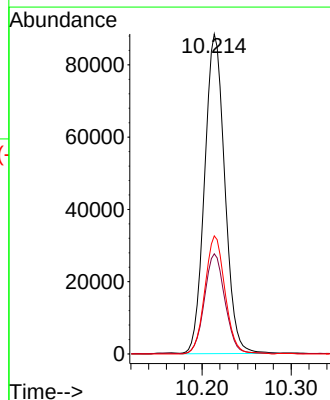
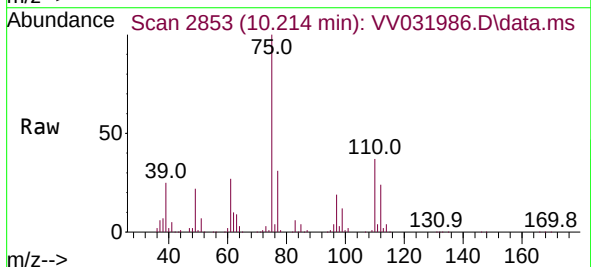
Instrument :
MSVOA_V
ClientSampleId :

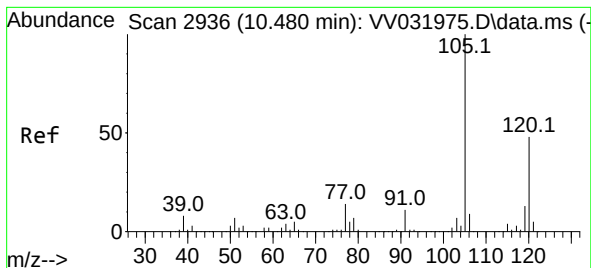
Tgt Ion:105 Resp: 457641
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 16.3 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 54.127 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 75 Resp: 138981
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
110 36.8 30.3 45.5

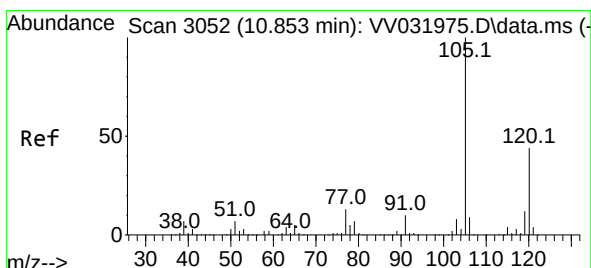
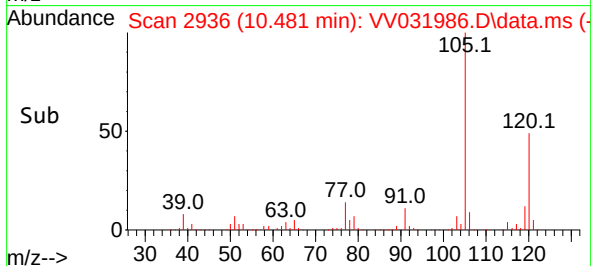
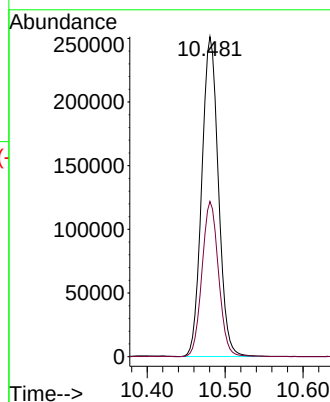
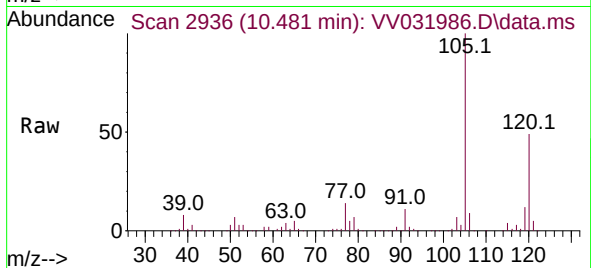




#62
1,3,5-Trimethylbenzene
Concen: 48.611 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

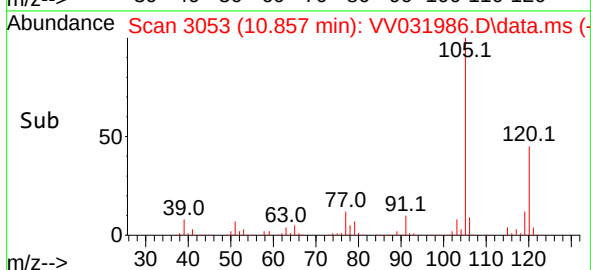
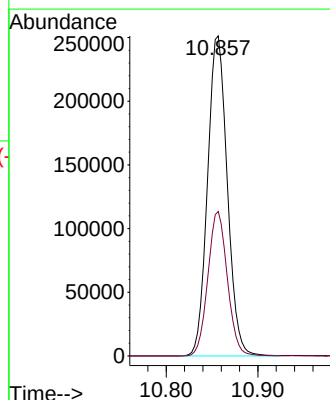
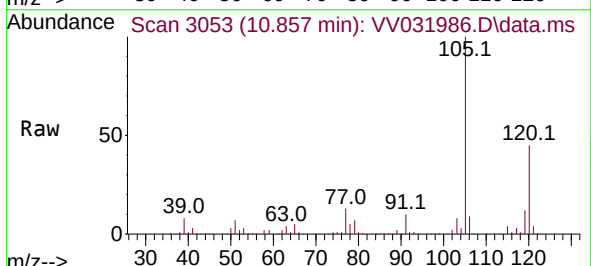
Instrument :
MSVOA_V
ClientSampleId :

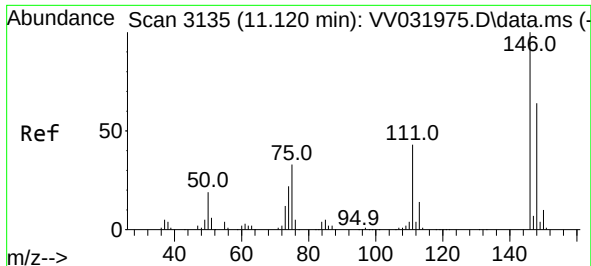
Tgt Ion:105 Resp: 372272
Ion Ratio Lower Upper
105 100
120 48.3 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 48.868 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion:105 Resp: 376475
Ion Ratio Lower Upper
105 100
120 44.6 35.9 53.9

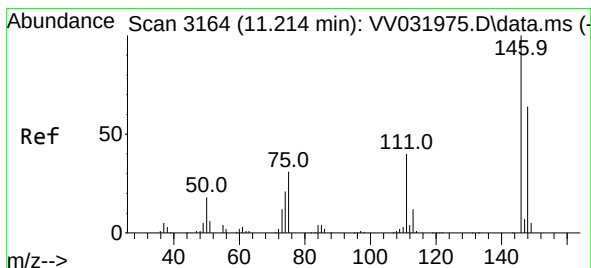
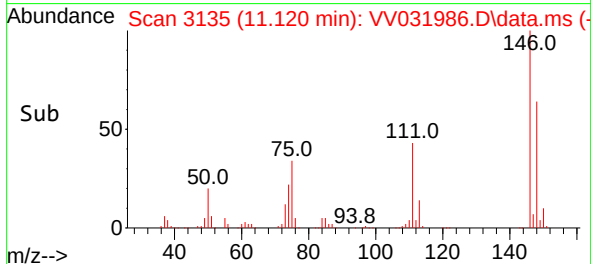
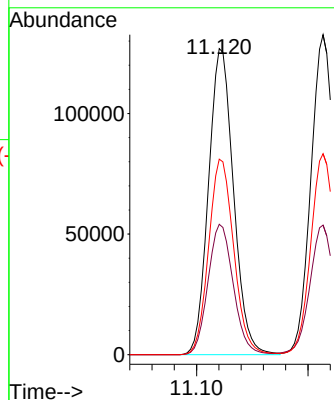
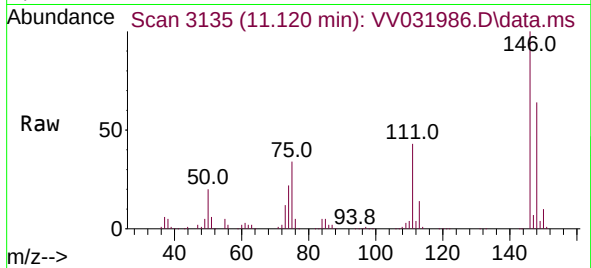




#64
1,3-Dichlorobenzene
Concen: 48.610 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

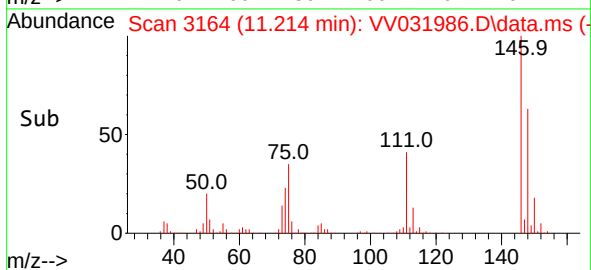
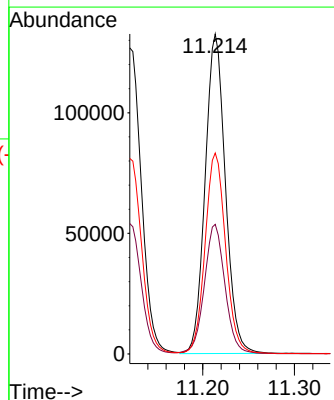
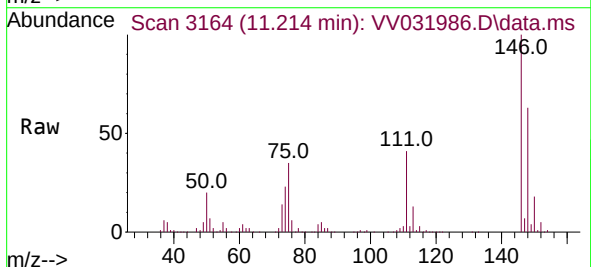
Instrument :
MSVOA_V
ClientSampleId :

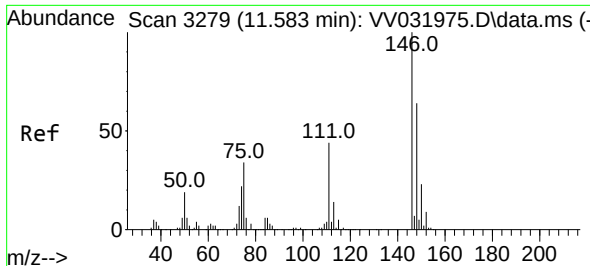
Tgt Ion:146 Resp: 198307
Ion Ratio Lower Upper
146 100
111 42.6 30.2 56.0
148 63.9 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 48.985 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

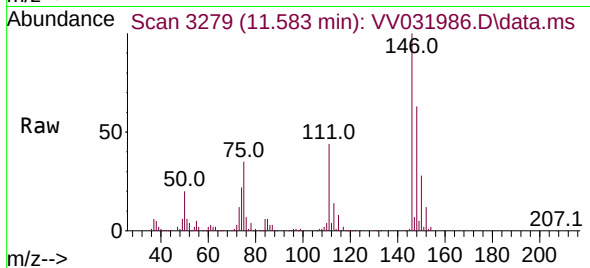
Tgt Ion:146 Resp: 203202
Ion Ratio Lower Upper
146 100
111 40.5 28.5 52.9
148 62.8 44.2 82.2



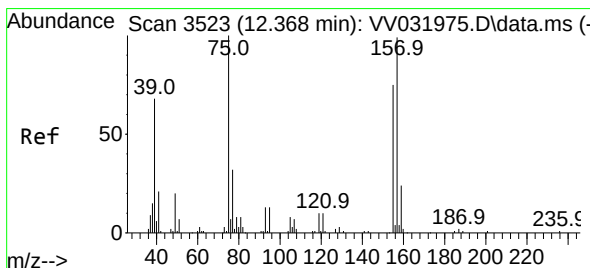
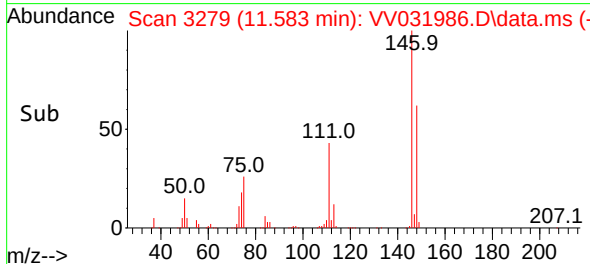
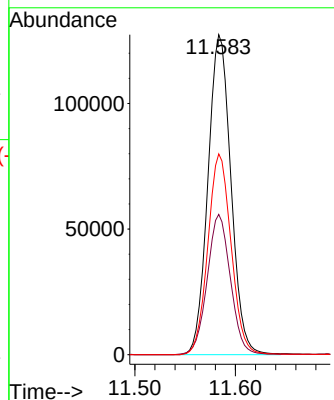


#67
1,2-Dichlorobenzene
Concen: 50.057 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Instrument :
MSVOA_V
ClientSampleId :

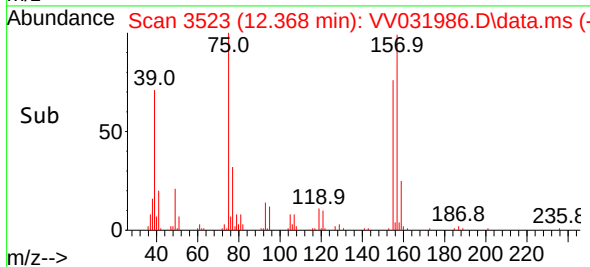
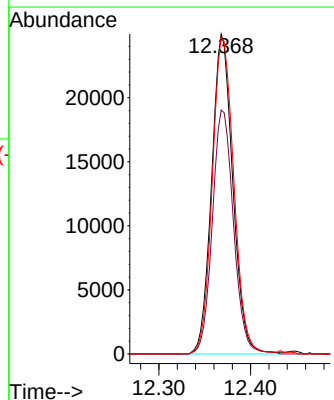
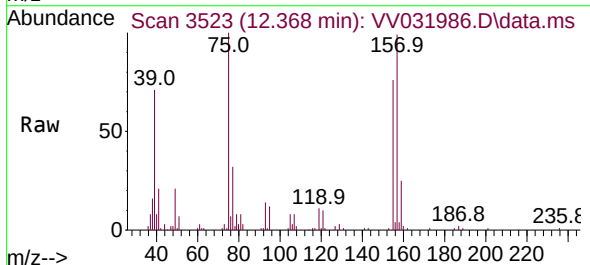


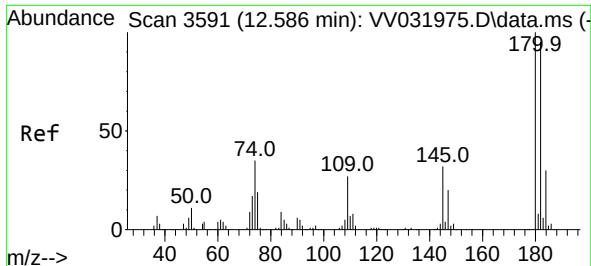
Tgt Ion:146 Resp: 202355
Ion Ratio Lower Upper
146 100
111 43.9 35.8 53.6
148 62.8 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 51.938 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV031986.D
Acq: 08 Sep 2023 17:24

Tgt Ion: 75 Resp: 40058
Ion Ratio Lower Upper
75 100
155 76.3 60.1 90.1
157 99.0 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 46.521 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

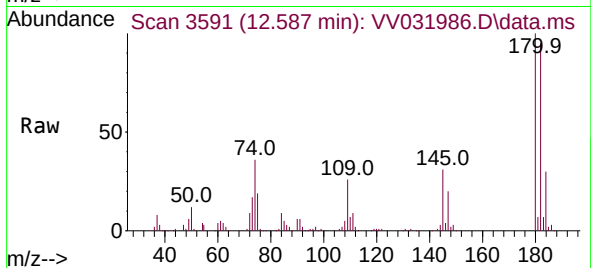
Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 138353

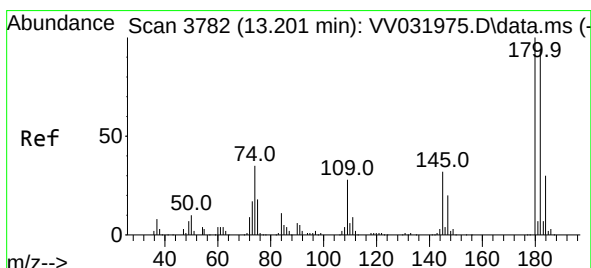
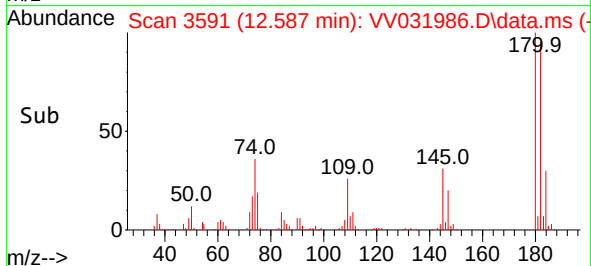
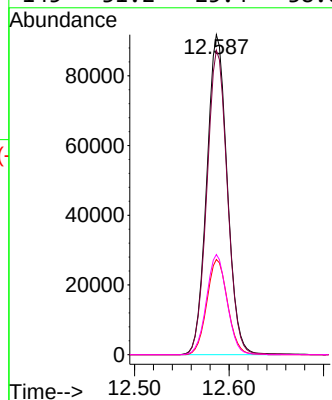
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

184 30.1 23.7 35.5

145 31.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 47.328 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

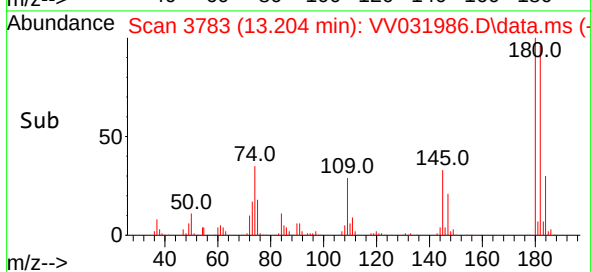
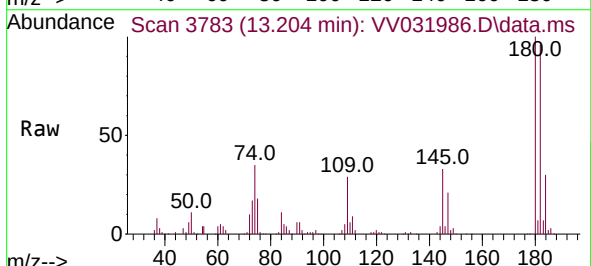
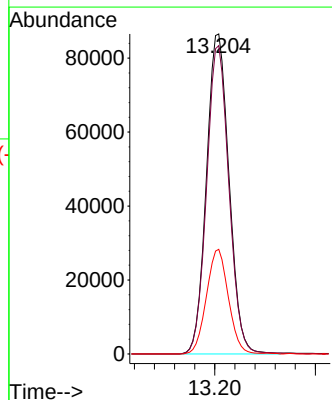
Tgt Ion:180 Resp: 135107

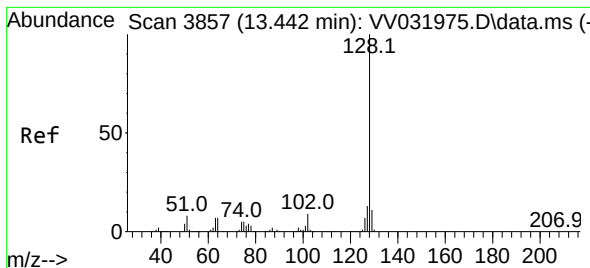
Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 31.7 26.0 39.0





#71

Naphthalene

Concen: 51.664 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Instrument :

MSVOA_V

ClientSampleId :

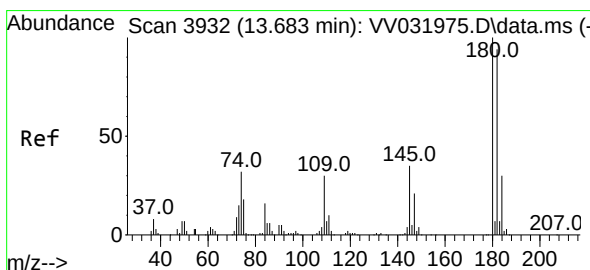
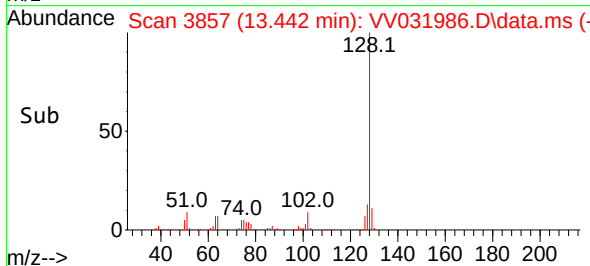
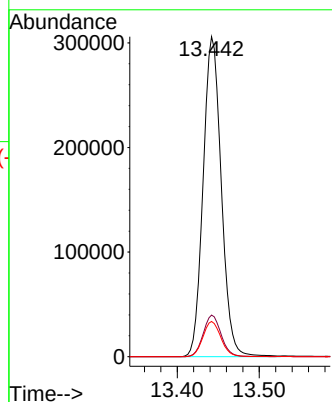
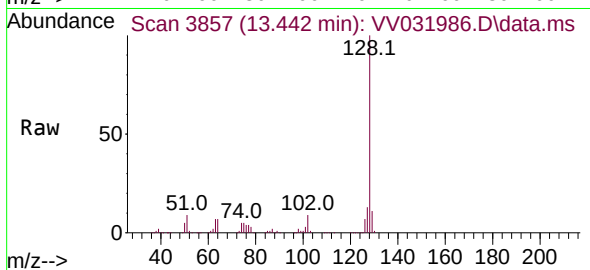
Tgt Ion:128 Resp: 471204

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.356 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV031986.D

Acq: 08 Sep 2023 17:24

Tgt Ion:180 Resp: 135010

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 33.7 27.7 41.5

