

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120723\
 Data File : VW033156.D
 Acq On : 07 Dec 2023 18:54
 Operator : SY/MD
 Sample : 05673-02MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:41:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 01:34:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	283974	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	294282	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	179315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	53624	31.588	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.180%
7) Chloroethane-d5	1.532	69	45053	38.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.180%
11) 1,1-Dichloroethene-d2	2.060	65	22696	35.144	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.280%
21) 2-Butanone-d5	3.780	46	84526	100.249	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.250%
24) Chloroform-d	4.249	84	160316	44.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	4.941	65	100477	44.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.720%
32) Benzene-d6	4.960	84	274900	39.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.880%
36) 1,2-Dichloropropane-d6	5.989	67	75755	40.936	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.880%
41) Toluene-d8	7.243	98	267661	40.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.540%
43) trans-1,3-Dichloroprop...	7.551	79	47198	40.333	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.660%
47) 2-Hexanone-d5	8.021	63	73900	99.403	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.400%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	132868	50.508	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.020%
66) 1,2-Dichlorobenzene-d4	11.561	152	139374	43.685	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	152977	49.283	ug/L	100
3) Chloromethane	1.214	50	100807	49.240	ug/L	99
5) Vinyl chloride	1.285	62	97803	49.813	ug/L	96
6) Bromomethane	1.484	94	65382	51.033	ug/L	100
8) Chloroethane	1.548	64	53259	50.950	ug/L	97
9) Trichlorofluoromethane	1.716	101	174347	53.814	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	82537	54.251	ug/L	96
12) 1,1-Dichloroethene	2.069	96	76574	53.786	ug/L	93
13) Acetone	2.108	43	50884	63.215	ug/L	100
14) Carbon disulfide	2.243	76	243186	47.610	ug/L	100
15) Methyl Acetate	2.372	43	63927	47.650	ug/L	96
16) Methylene chloride	2.445	84	95617	50.720	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	95167	50.911	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	295520	52.042	ug/L	99
19) 1,1-Dichloroethane	3.111	63	154986	50.095	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	131642	66.371	ug/L	98
22) 2-Butanone	3.860	43	85070	83.047	ug/L	99
23) Bromochloromethane	4.146	128	59827	52.532	ug/L	96
25) Chloroform	4.275	83	193361	54.343	ug/L	98

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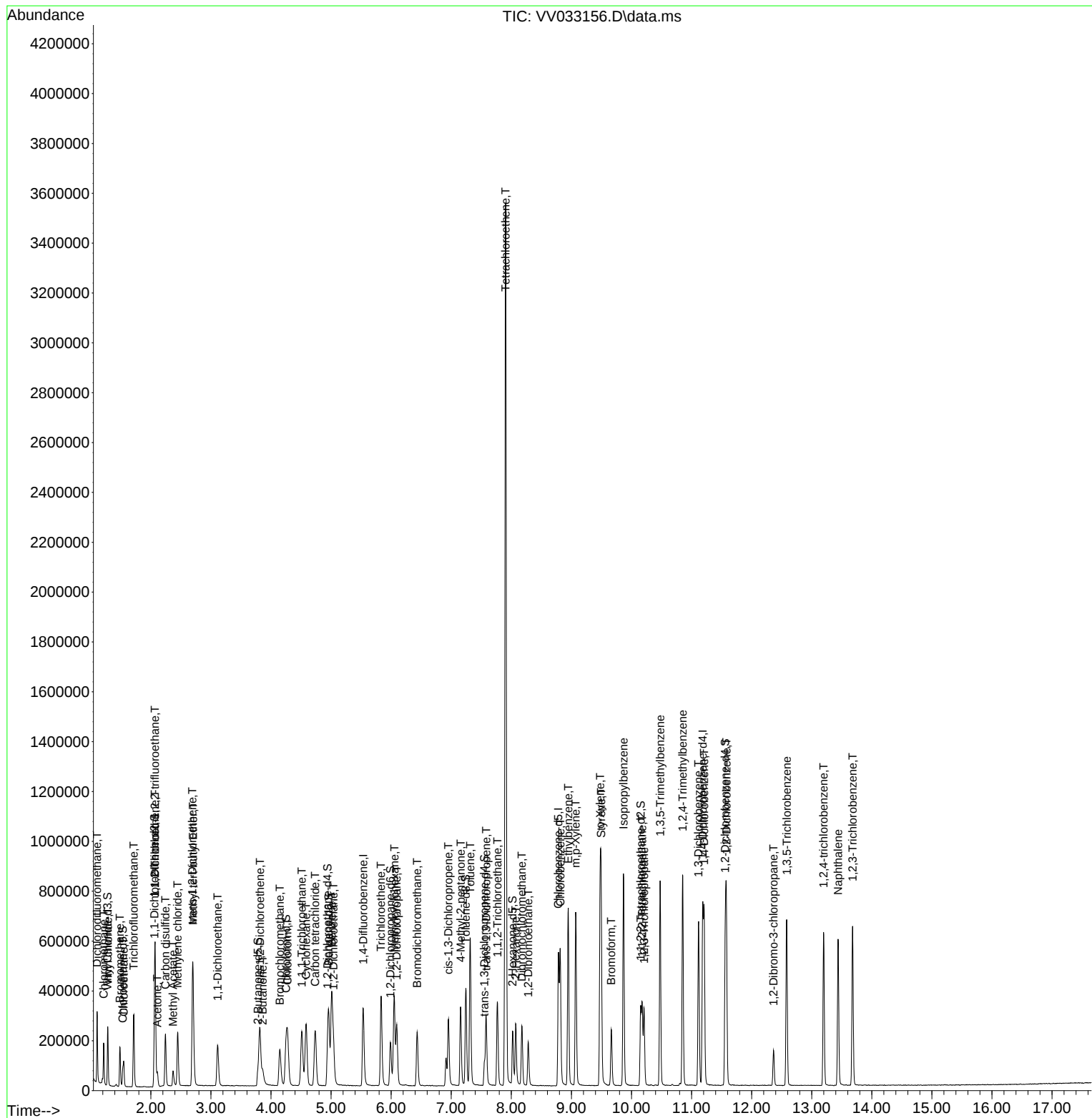
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	151109	53.743	ug/L	99
29) Cyclohexane	4.584	56	129952	47.810	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	187183	51.467	ug/L	99
31) Carbon tetrachloride	4.735	117	175863	52.005	ug/L	99
33) Benzene	5.011	78	379738	50.921	ug/L	100
34) Trichloroethene	5.831	95	122091	54.801	ug/L	95
35) Methylcyclohexane	6.053	83	162506	50.258	ug/L	98
37) 1,2-Dichloropropane	6.092	63	86070	49.871	ug/L	99
38) Bromodichloromethane	6.432	83	143641	51.626	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	158236	50.527	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	181330	98.954	ug/L	98
42) Toluene	7.317	91	442761	52.688	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	160883	50.804	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	103436	51.690	ug/L	99
46) Tetrachloroethene	7.905	164	790188	412.591	ug/L	96
48) 2-Hexanone	8.072	43	135357	89.092	ug/L	99
49) Dibromochloromethane	8.175	129	124995	52.325	ug/L	100
50) 1,2-Dibromoethane	8.281	107	108675	50.939	ug/L	99
51) Chlorobenzene	8.815	112	296589	50.189	ug/L	100
52) Ethylbenzene	8.947	91	499762	51.667	ug/L	99
53) m,p-Xylene	9.072	106	197996	51.689	ug/L	96
54) o-Xylene	9.477	106	195493	51.720	ug/L	99
55) Styrene	9.497	104	346699	53.021	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	144751	52.944	ug/L	98
59) Bromoform	9.664	173	100660	51.723	ug/L	99
60) Isopropylbenzene	9.866	105	534966	51.741	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	114056	51.010	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	431874	51.845	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	454431	52.382	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	278245	50.373	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	286329	49.902	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	279012	51.524	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	33215	48.413	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	212086	47.934	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	193221	47.269	ug/L	99
71) Naphthalene	13.439	128	466866	46.832	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	196862	49.910	ug/L	99

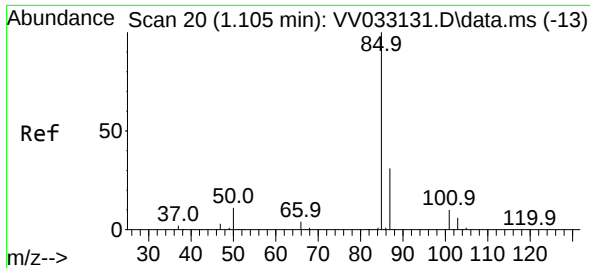
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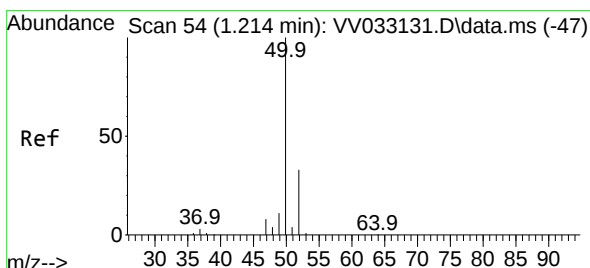
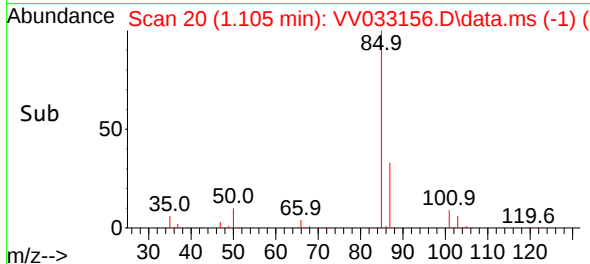
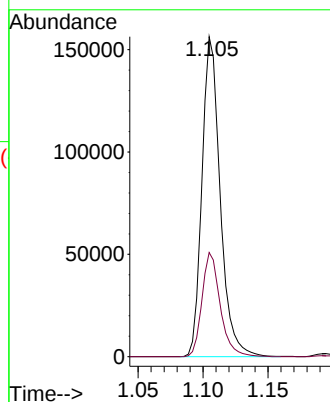
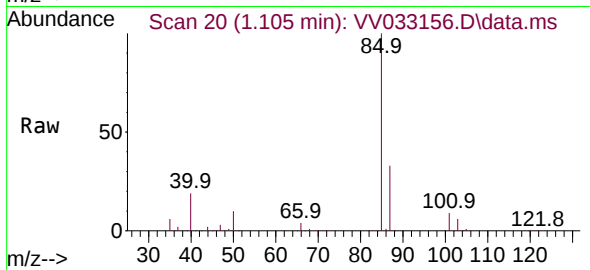




#2
Dichlorodifluoromethane
Concen: 49.283 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

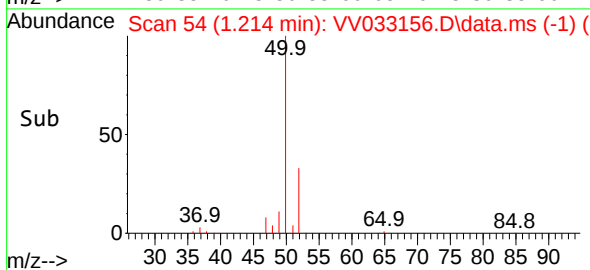
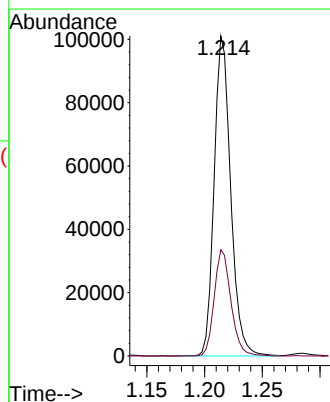
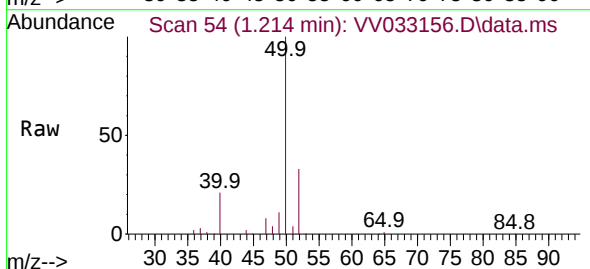
Instrument :
MSVOA_V
ClientSampleId :

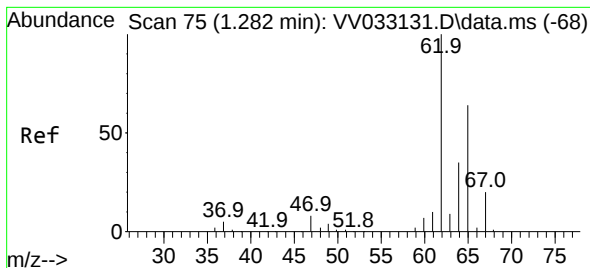
Tgt Ion: 85 Resp: 152977
Ion Ratio Lower Upper
85 100
87 32.5 26.0 39.0



#3
Chloromethane
Concen: 49.240 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 50 Resp: 100807
Ion Ratio Lower Upper
50 100
52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 49.813 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

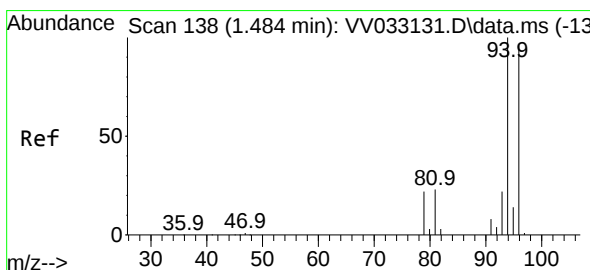
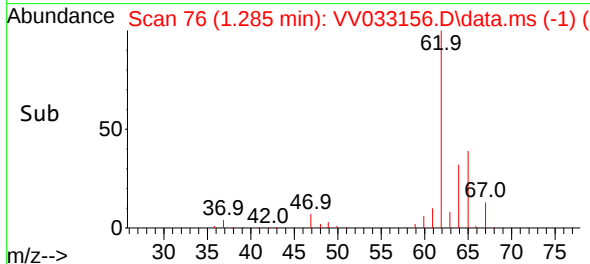
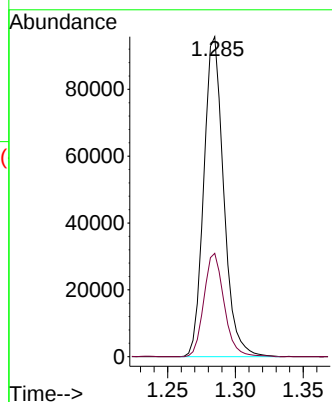
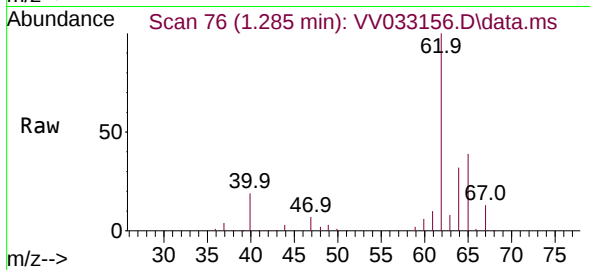
ClientSampleId :

Tgt Ion: 62 Resp: 97803

Ion Ratio Lower Upper

62 100

64 32.3 24.2 45.0



#6

Bromomethane

Concen: 51.033 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV033156.D

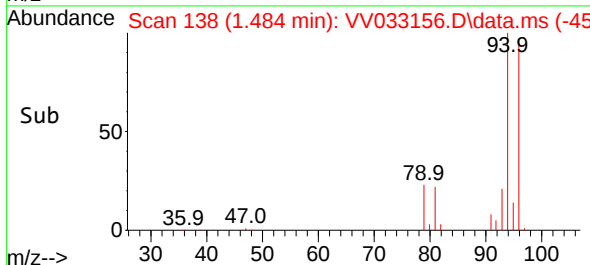
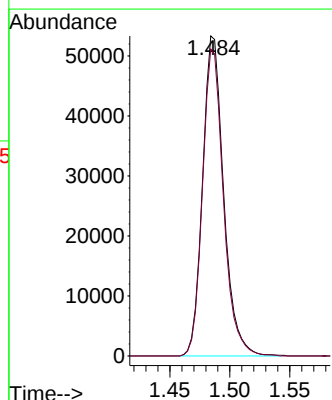
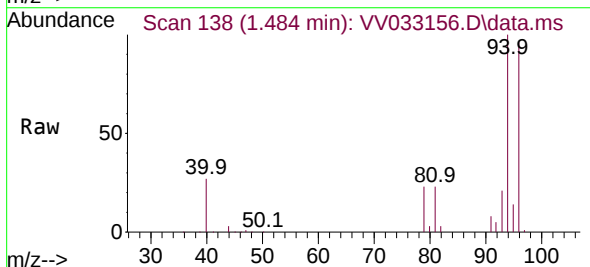
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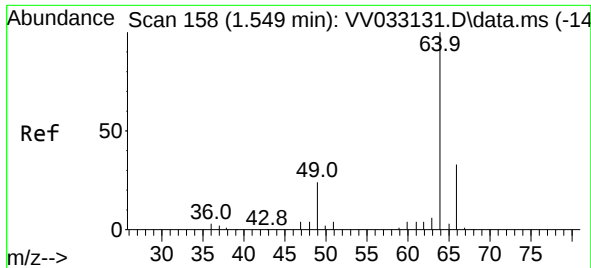
Tgt Ion: 94 Resp: 65382

Ion Ratio Lower Upper

94 100

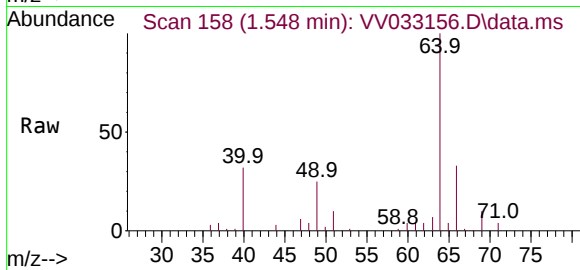
96 95.9 67.1 124.7



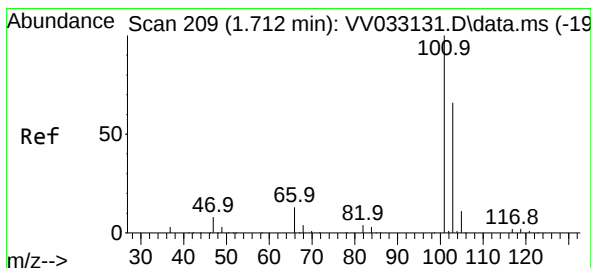
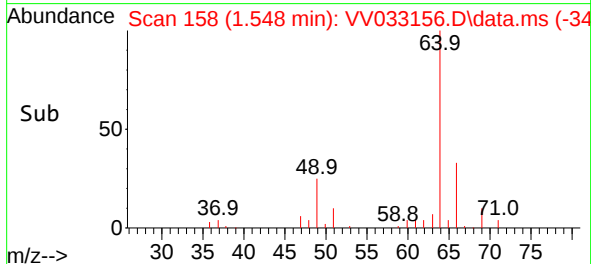
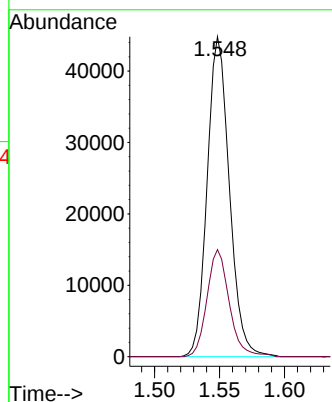


#8
Chloroethane
Concen: 50.950 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Instrument :
MSVOA_V
ClientSampleId :

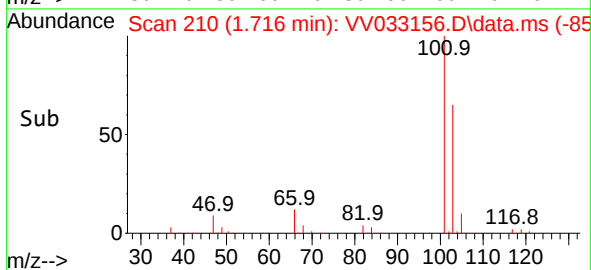
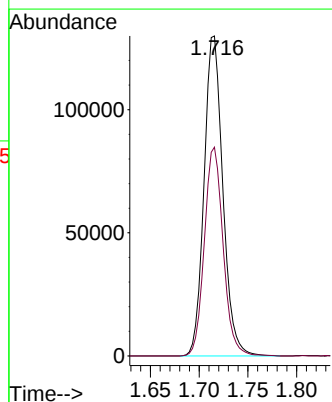
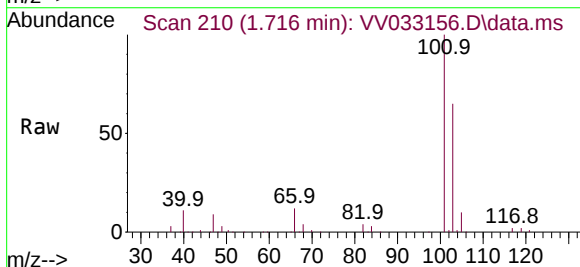


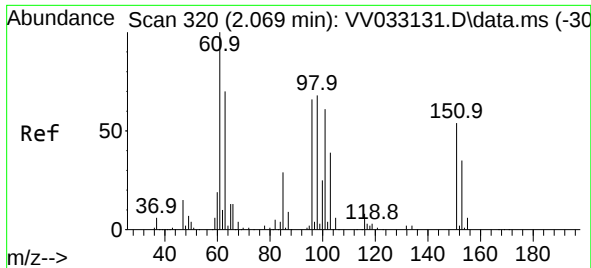
Tgt Ion: 64 Resp: 53259
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 53.814 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion:101 Resp: 174347
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

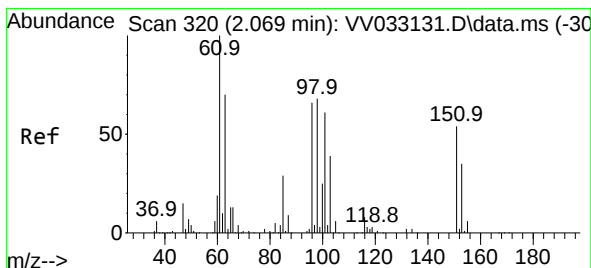
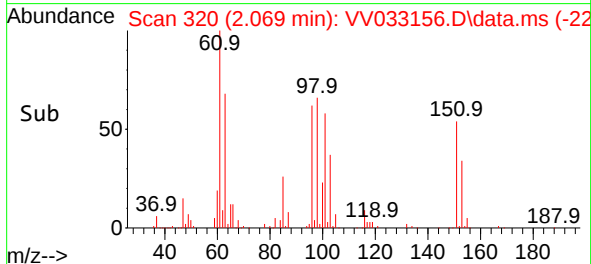
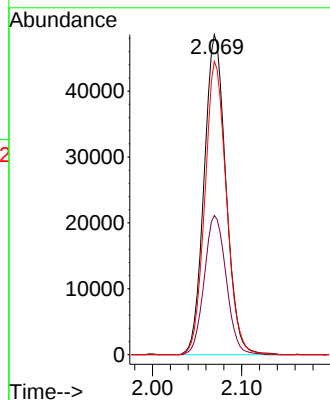
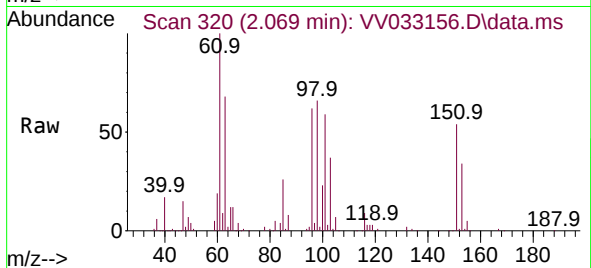




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.251 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033156.D
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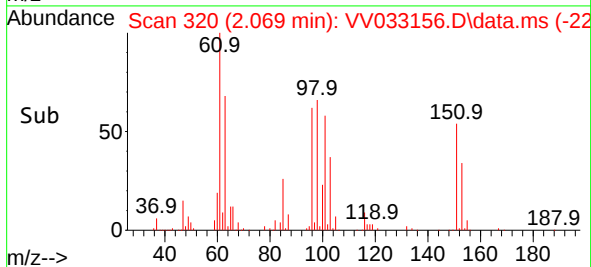
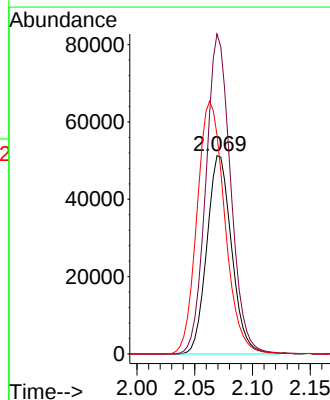
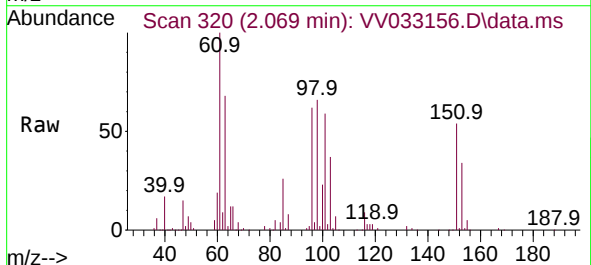
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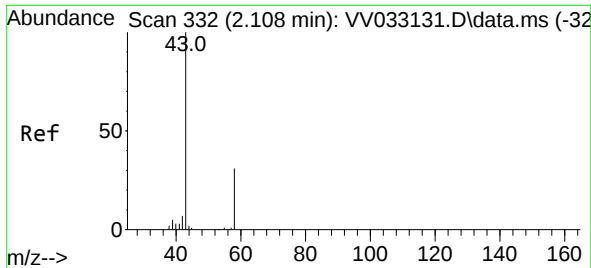
Tgt Ion:101 Resp: 82537
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.0 54.0
 151 90.7 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 53.786 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033156.D
 Acq: 07 Dec 2023 18:54

Tgt Ion: 96 Resp: 76574
 Ion Ratio Lower Upper
 96 100
 61 161.4 109.1 202.7
 63 110.4 85.3 158.3





#13

Acetone

Concen: 63.215 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

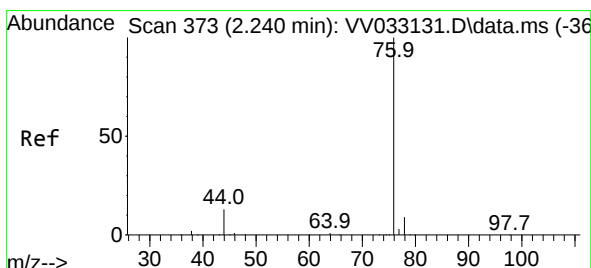
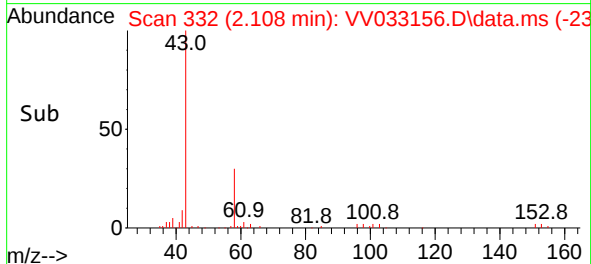
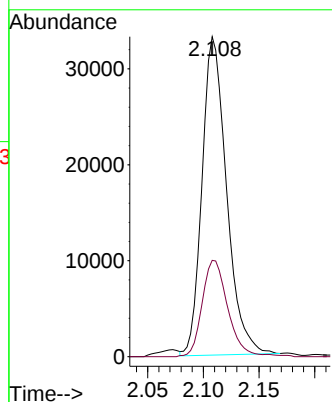
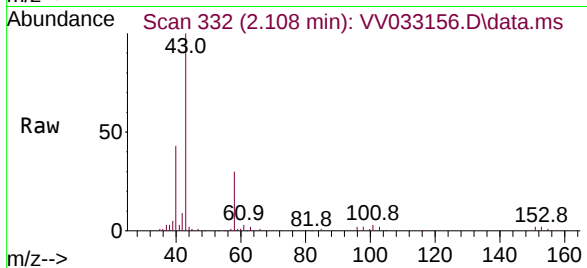
ClientSampleId :

Tgt Ion: 43 Resp: 50884

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



#14

Carbon disulfide

Concen: 47.610 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033156.D

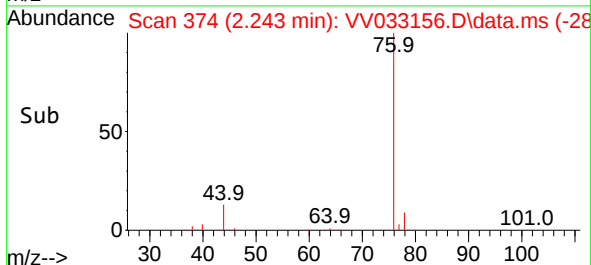
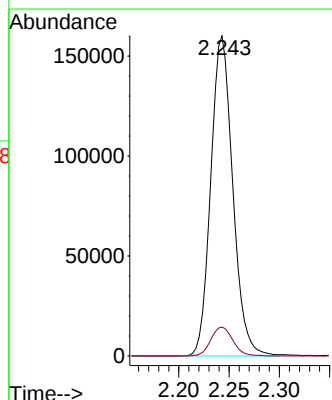
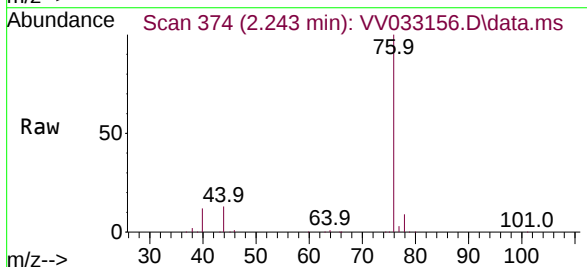
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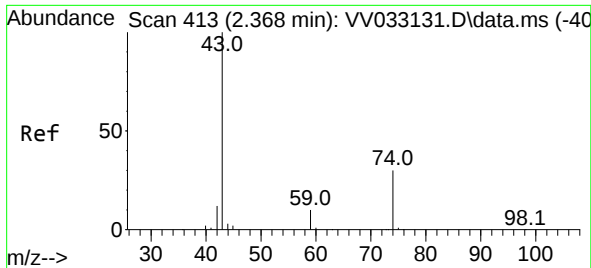
Tgt Ion: 76 Resp: 243186

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

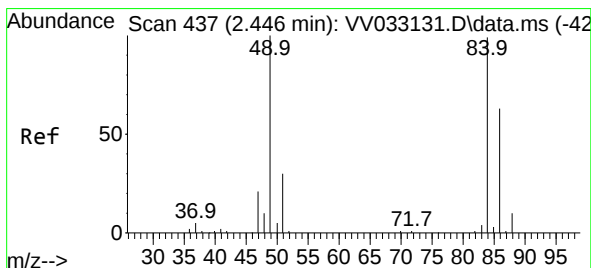
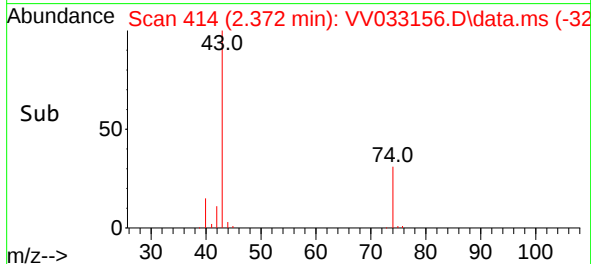
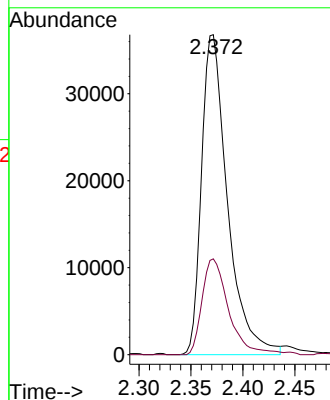
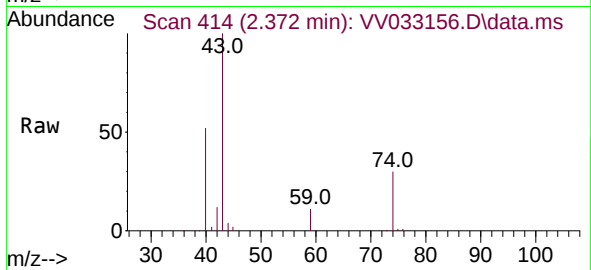




#15
Methyl Acetate
Concen: 47.650 ug/L
RT: 2.372 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

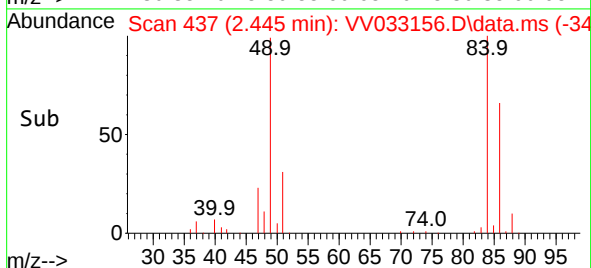
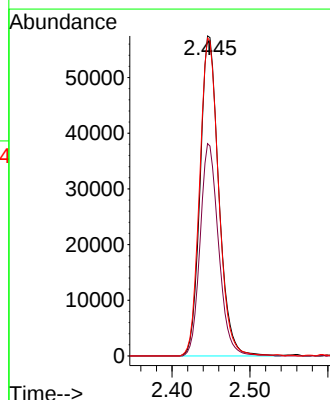
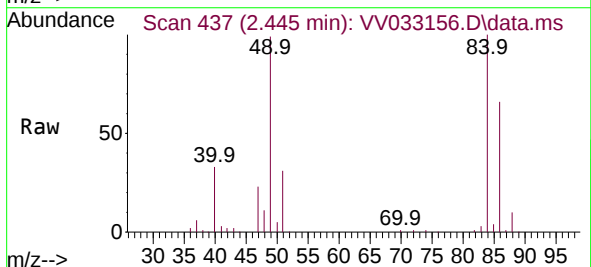
Instrument :
MSVOA_V
ClientSampleId :

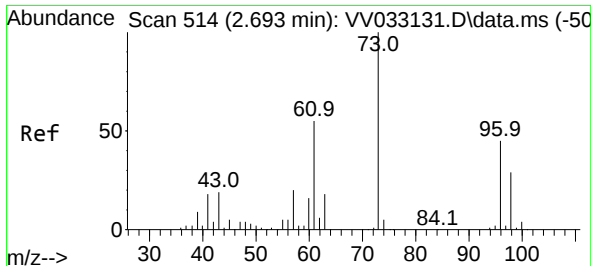
Tgt Ion: 43 Resp: 63927
Ion Ratio Lower Upper
43 100
74 30.5 22.6 33.8



#16
Methylene chloride
Concen: 50.720 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 84 Resp: 95617
Ion Ratio Lower Upper
84 100
86 66.4 45.9 85.3
49 99.4 75.5 140.1





#17

trans-1,2-Dichloroethene

Concen: 50.911 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :

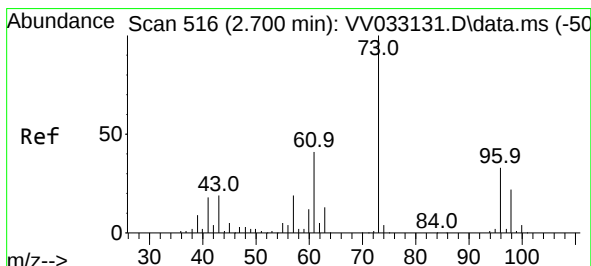
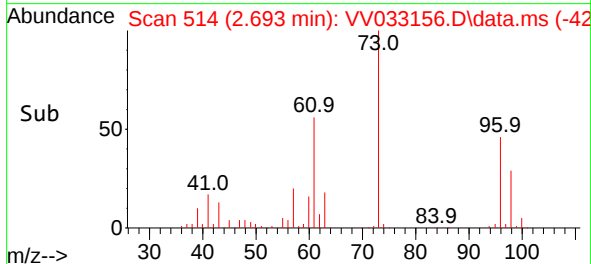
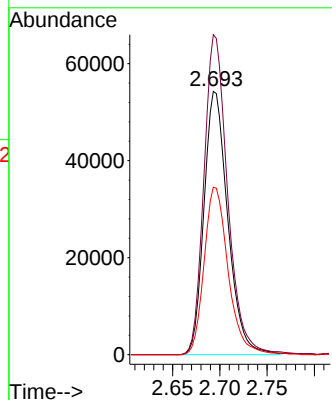
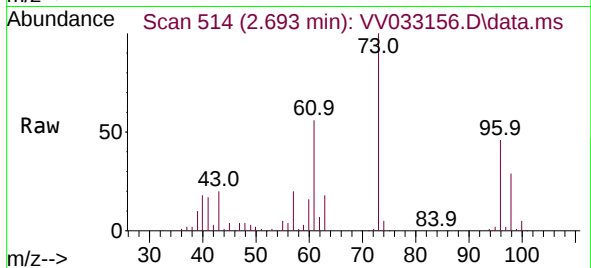
Tgt Ion: 96 Resp: 95167

Ion Ratio Lower Upper

96 100

61 121.5 86.5 160.6

98 63.6 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 52.042 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

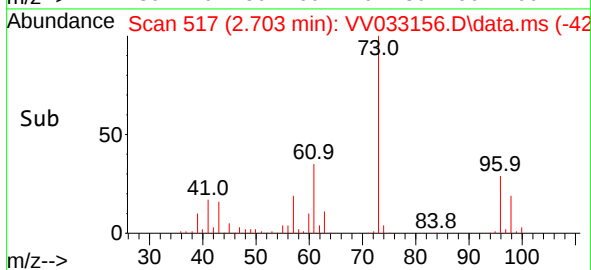
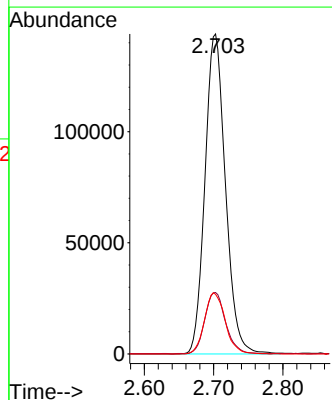
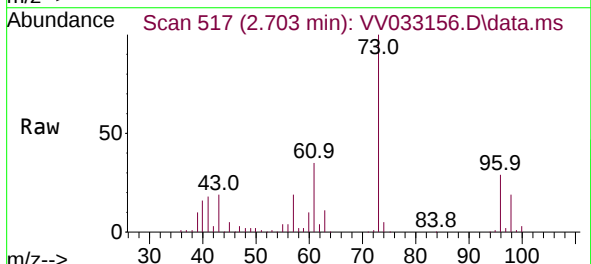
Tgt Ion: 73 Resp: 295520

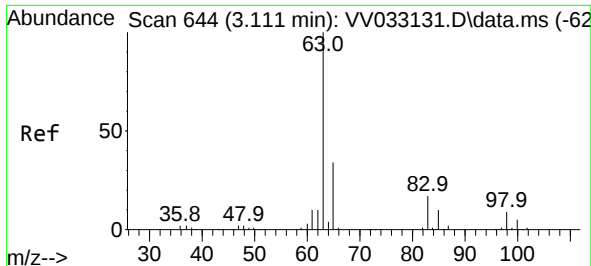
Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

57 19.4 16.1 24.1





#19

1,1-Dichloroethane

Concen: 50.095 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :

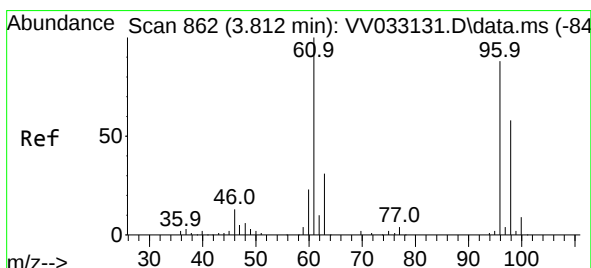
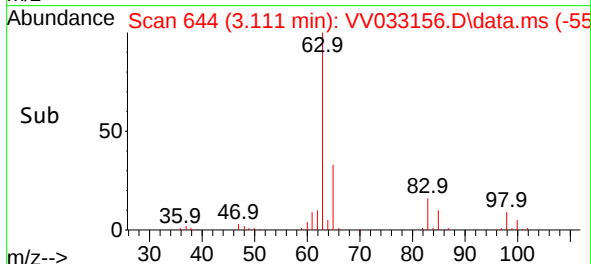
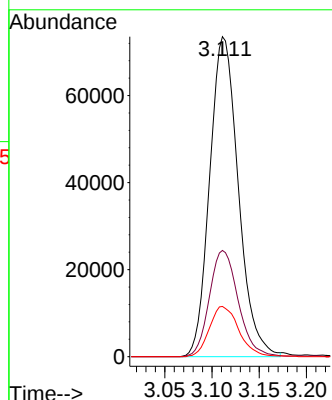
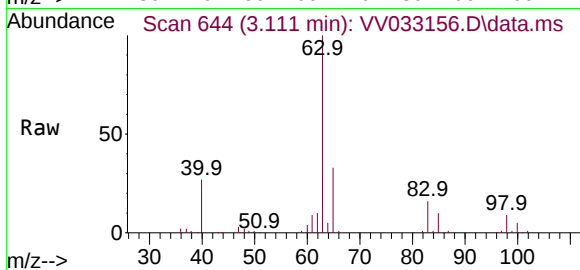
Tgt Ion: 63 Resp: 154986

Ion Ratio Lower Upper

63 100

65 33.2 23.0 42.6

83 15.7 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 66.371 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

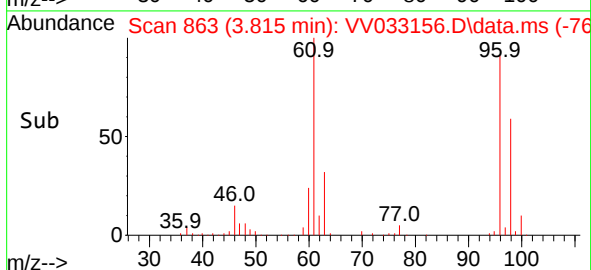
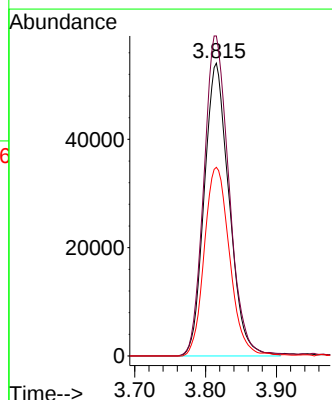
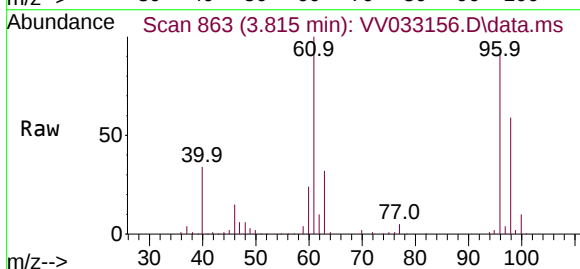
Tgt Ion: 96 Resp: 131642

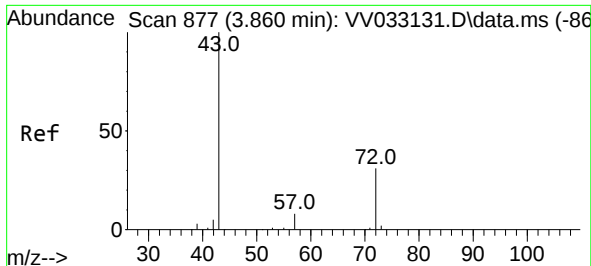
Ion Ratio Lower Upper

96 100

61 109.3 79.1 146.9

98 64.4 45.1 83.7

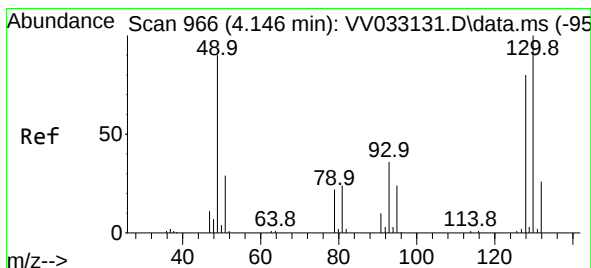
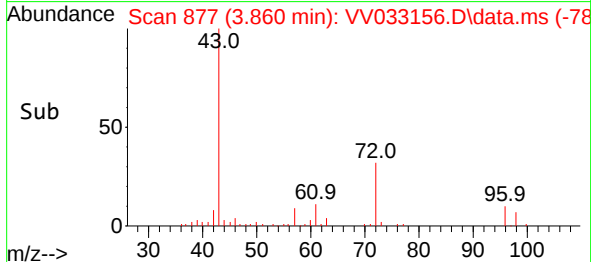
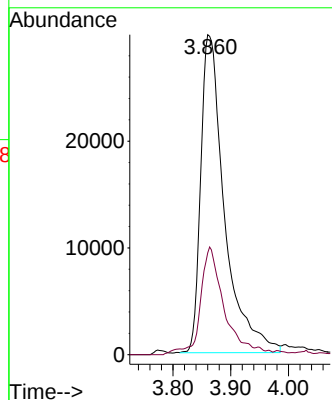
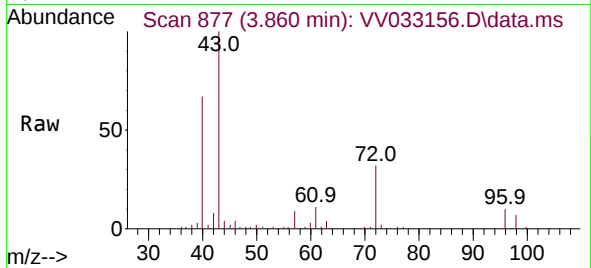




#22
2-Butanone
Concen: 83.047 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

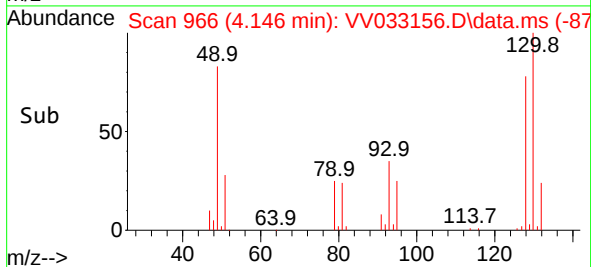
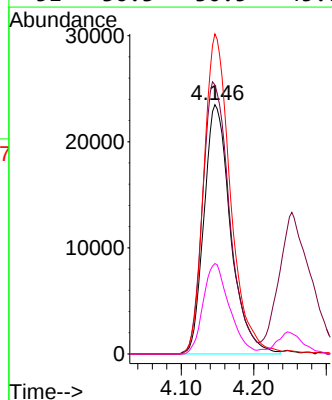
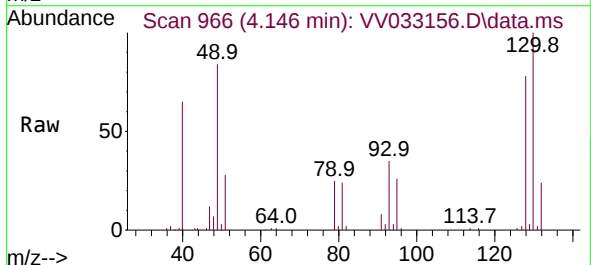
Instrument :
MSVOA_V
ClientSampleId :

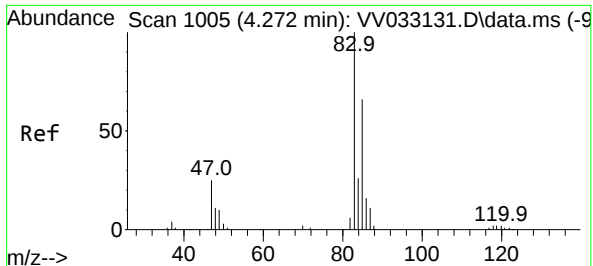
Tgt Ion: 43 Resp: 85070
Ion Ratio Lower Upper
43 100
72 28.9 14.6 43.8



#23
Bromochloromethane
Concen: 52.532 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion:128 Resp: 59827
Ion Ratio Lower Upper
128 100
49 107.9 81.7 151.7
130 128.4 90.1 167.3
51 36.3 30.5 45.7





#25

Chloroform

Concen: 54.343 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

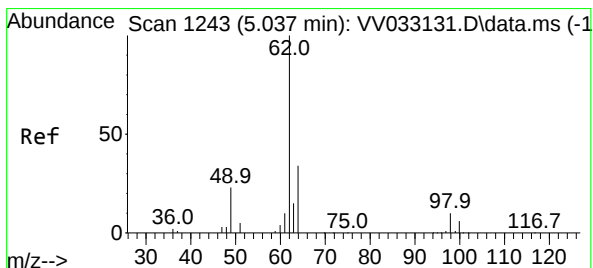
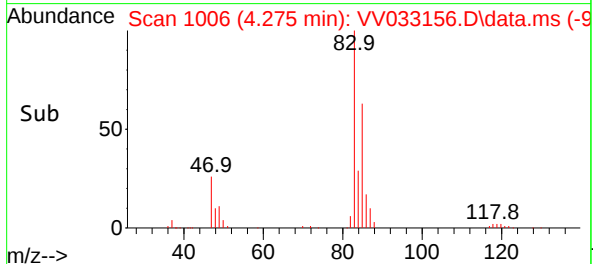
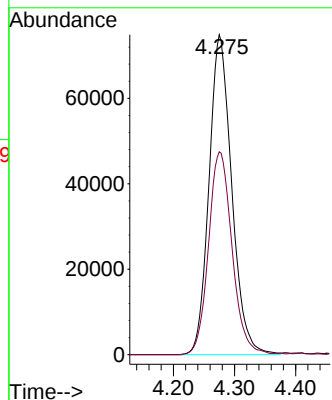
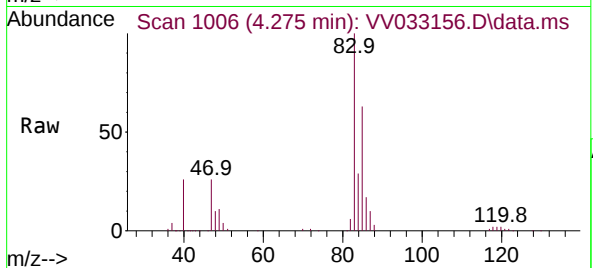
ClientSampleId :

Tgt Ion: 83 Resp: 193361

Ion Ratio Lower Upper

83 100

85 63.4 43.5 80.7



#27

1,2-Dichloroethane

Concen: 53.743 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033156.D

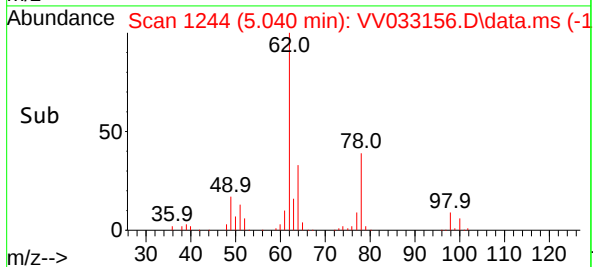
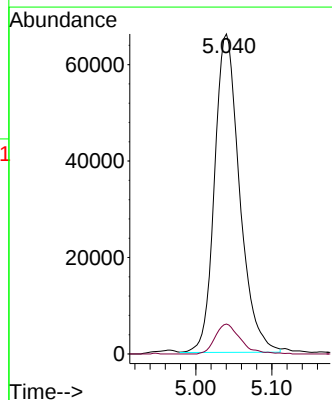
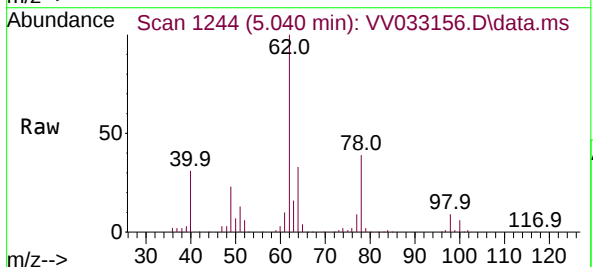
Acq: 07 Dec 2023 18:54

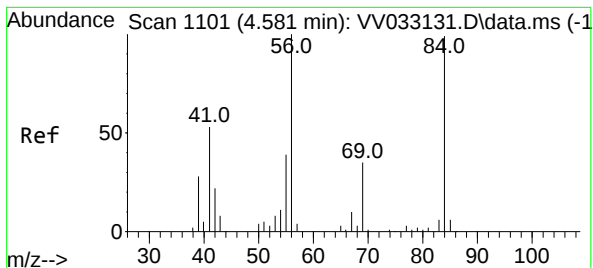
Tgt Ion: 62 Resp: 151109

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.8





#29

Cyclohexane

Concen: 47.810 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :

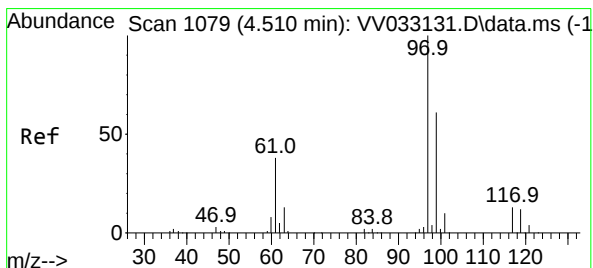
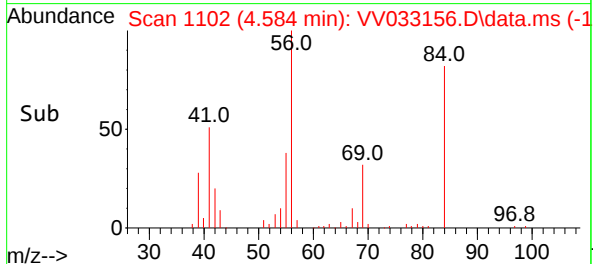
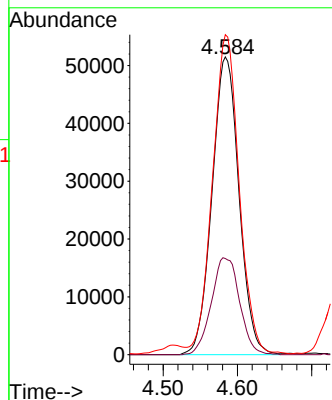
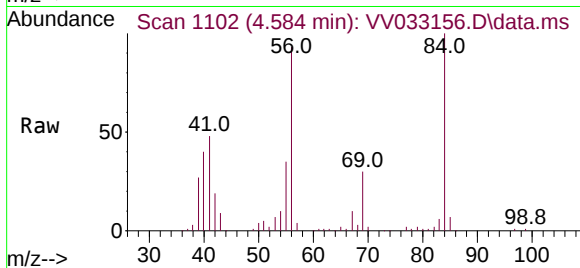
Tgt Ion: 56 Resp: 129952

Ion Ratio Lower Upper

56 100

69 34.0 26.9 40.3

84 104.3 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 51.467 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

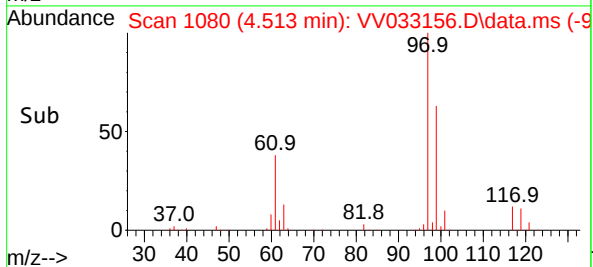
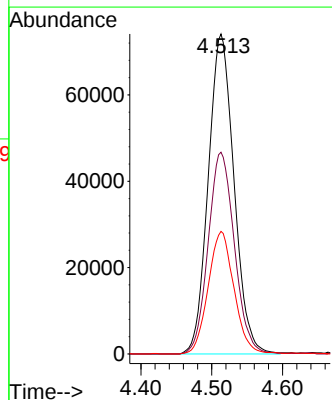
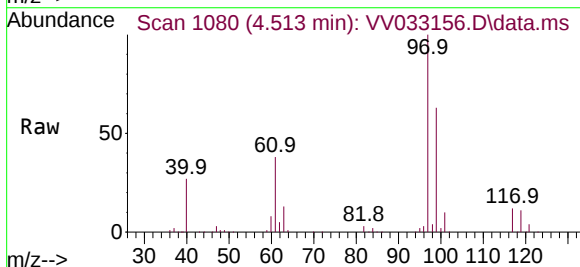
Tgt Ion: 97 Resp: 187183

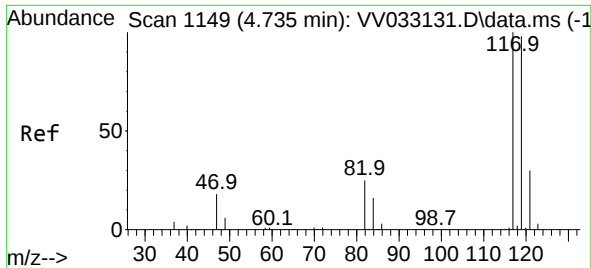
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 38.3 31.8 47.8

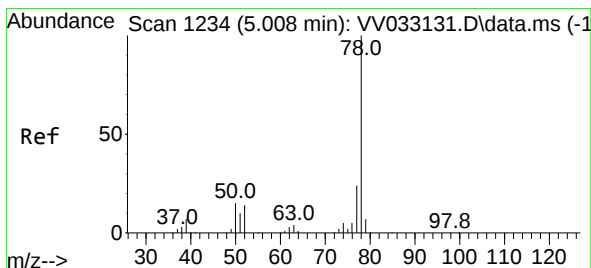
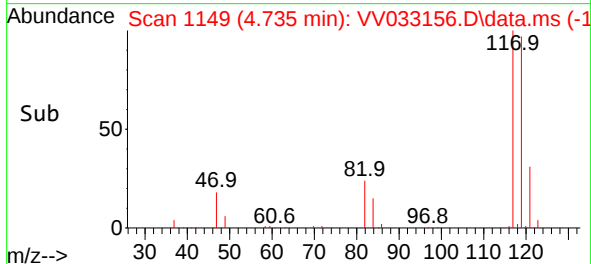
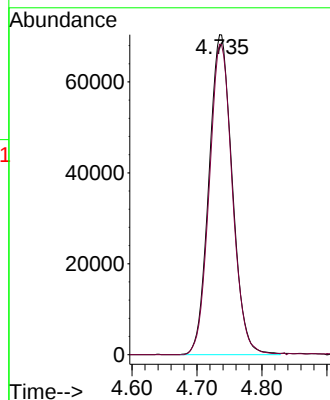
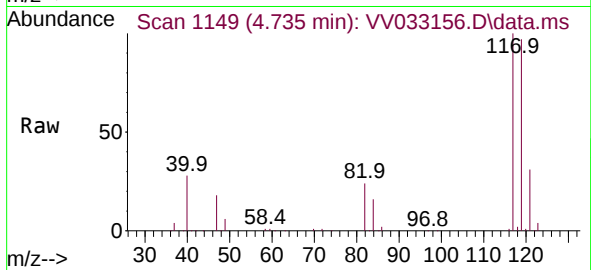




#31
Carbon tetrachloride
Concen: 52.005 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

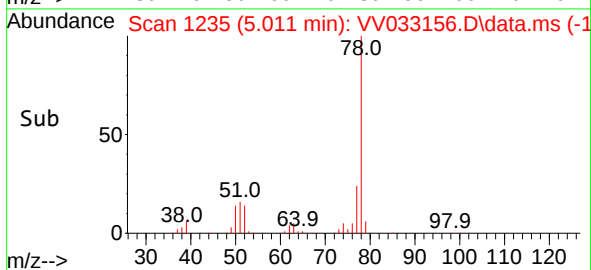
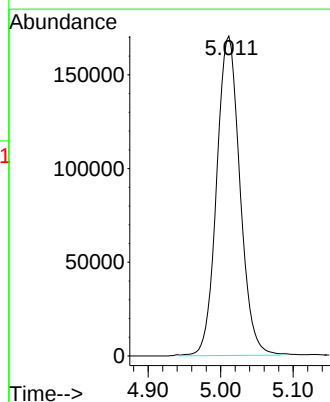
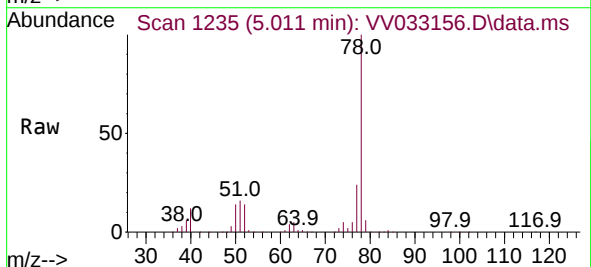
Instrument :
MSVOA_V
ClientSampleId :

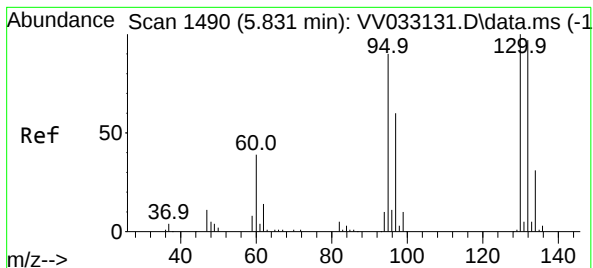
Tgt Ion:117 Resp: 175863
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 50.921 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 78 Resp: 379738





#34

Trichloroethene

Concen: 54.801 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

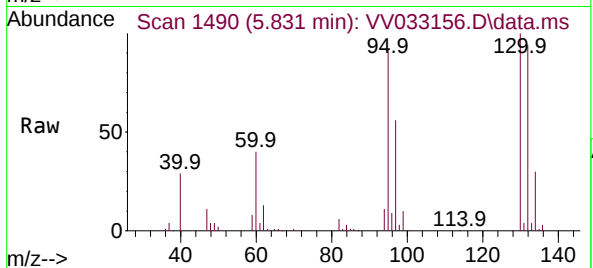
Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 122091

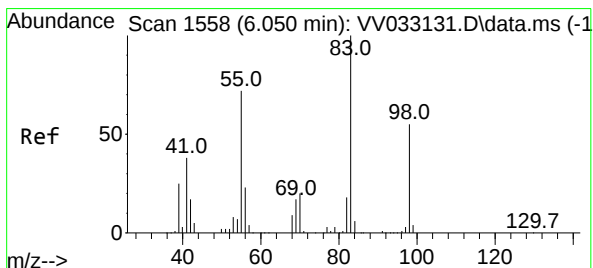
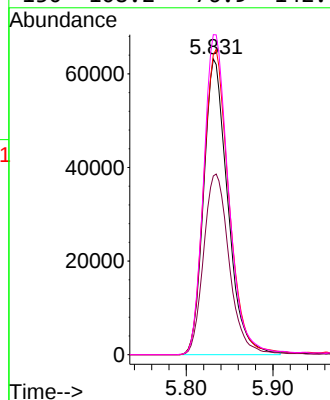
Ion Ratio Lower Upper

95 100

97 60.4 45.8 85.0

132 101.5 77.4 143.8

130 108.2 76.9 142.7



#35

Methylcyclohexane

Concen: 50.258 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

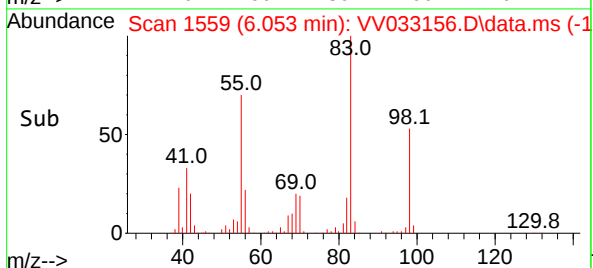
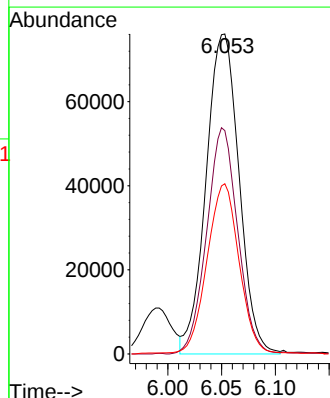
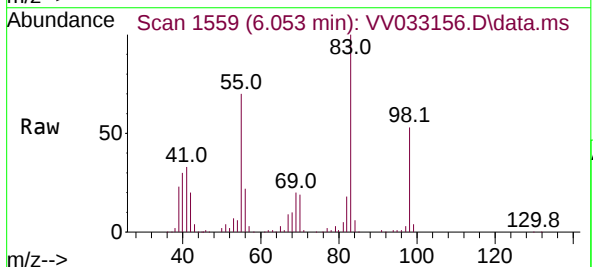
Tgt Ion: 83 Resp: 162506

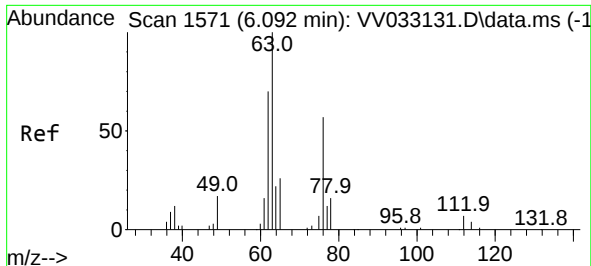
Ion Ratio Lower Upper

83 100

55 66.5 54.8 82.2

98 51.9 41.4 62.0

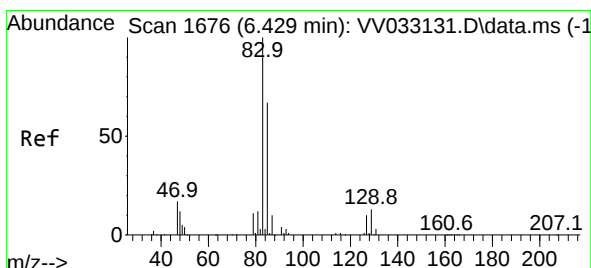
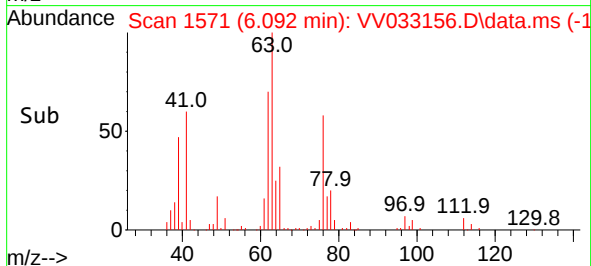
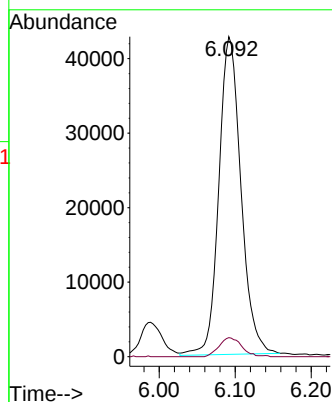
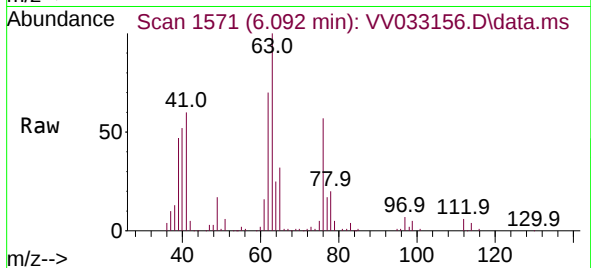




#37
1,2-Dichloropropane
Concen: 49.871 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

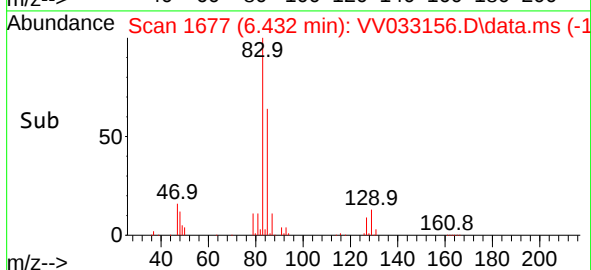
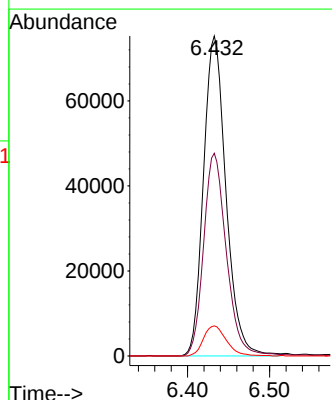
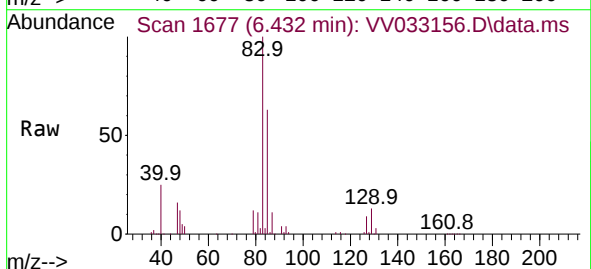
Instrument :
MSVOA_V
ClientSampleId :

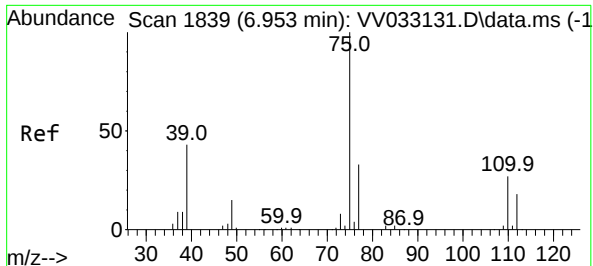
Tgt Ion: 63 Resp: 86070
Ion Ratio Lower Upper
63 100
112 6.1 4.6 6.8



#38
Bromodichloromethane
Concen: 51.626 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 83 Resp: 143641
Ion Ratio Lower Upper
83 100
85 63.4 45.6 84.6
127 9.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 50.527 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

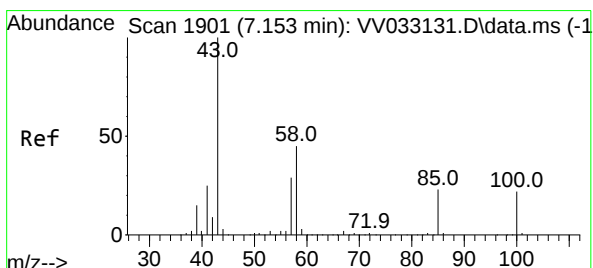
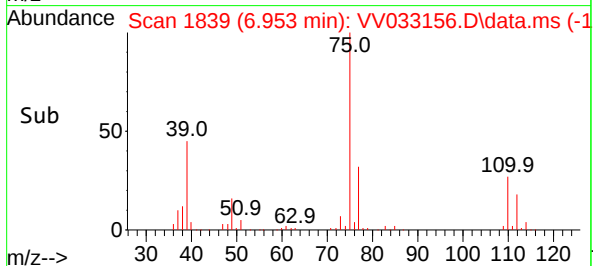
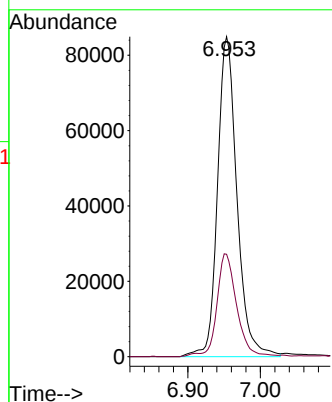
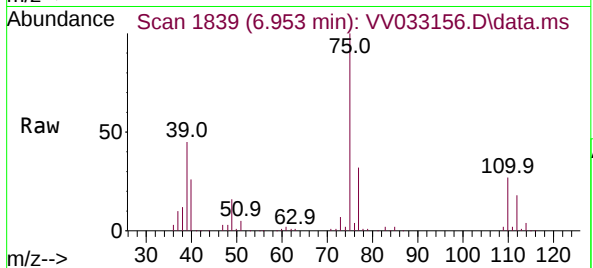
ClientSampleId :

Tgt Ion: 75 Resp: 158236

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 98.954 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

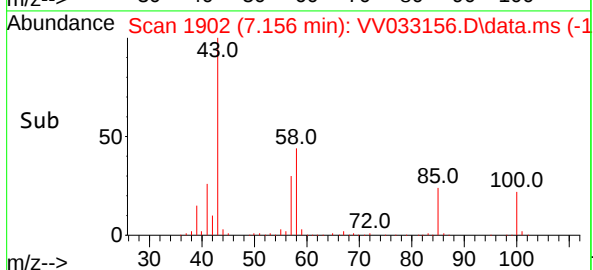
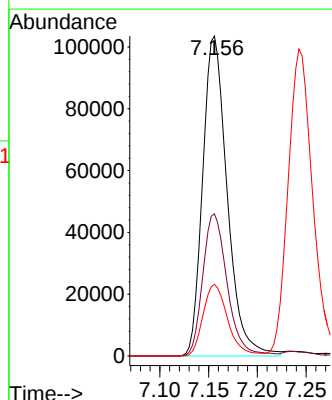
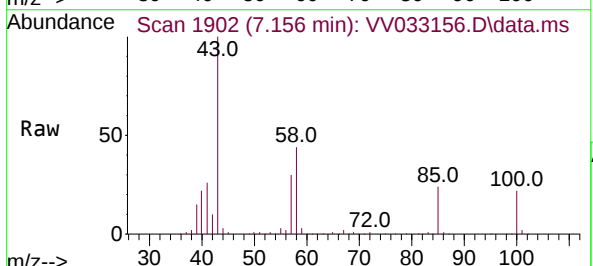
Tgt Ion: 43 Resp: 181330

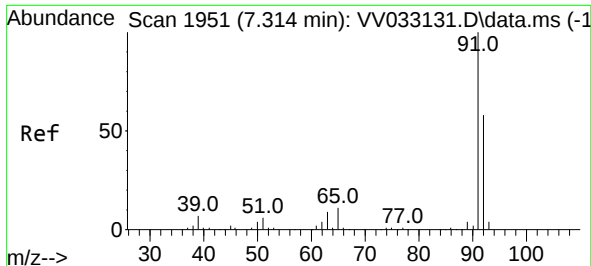
Ion Ratio Lower Upper

43 100

58 44.2 34.5 51.7

100 22.5 17.0 25.6





#42

Toluene

Concen: 52.688 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

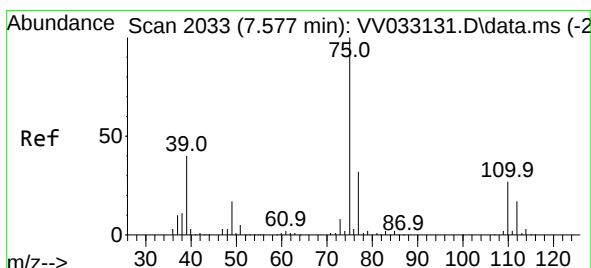
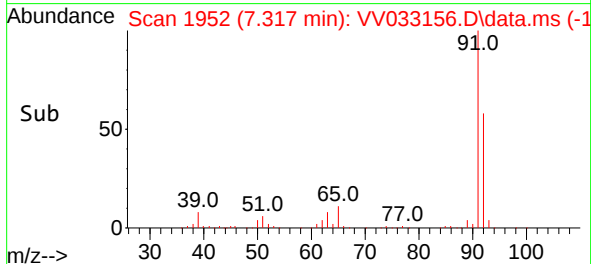
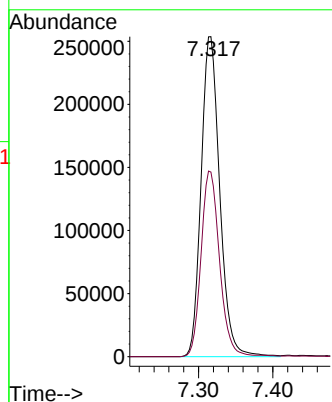
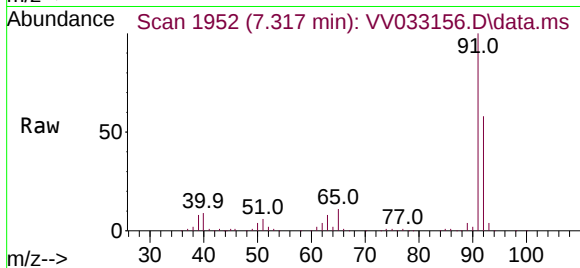
ClientSampleId :

Tgt Ion: 91 Resp: 442761

Ion Ratio Lower Upper

91 100

92 57.7 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.804 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033156.D

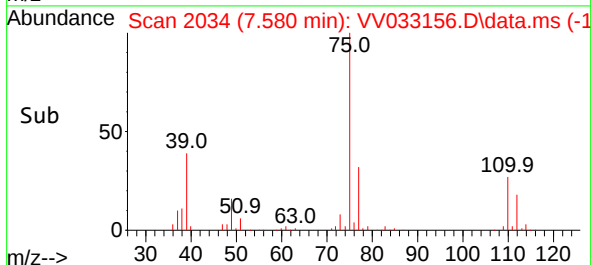
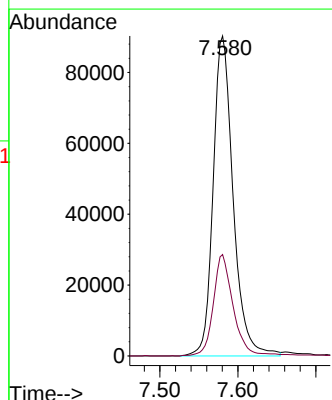
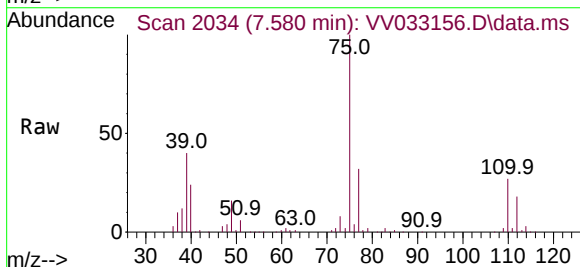
Acq: 07 Dec 2023 18:54

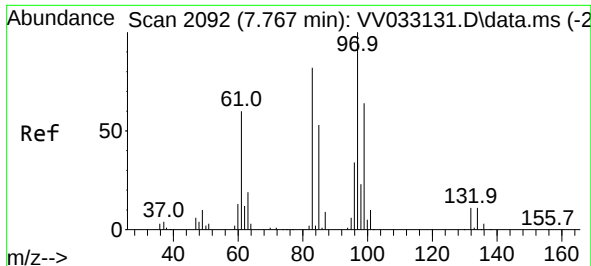
Tgt Ion: 75 Resp: 160883

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0

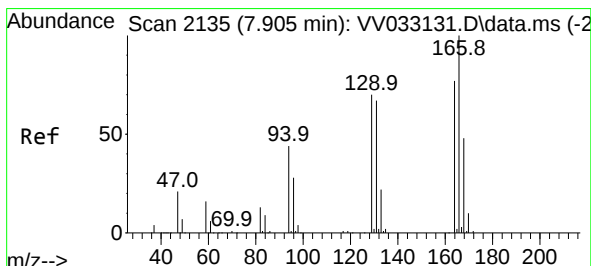
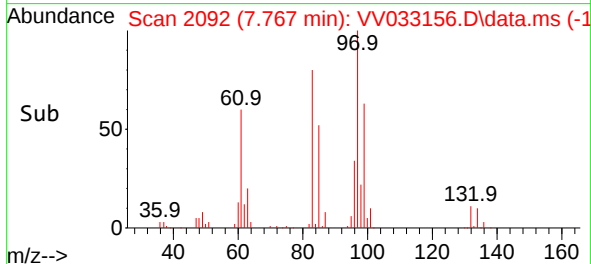
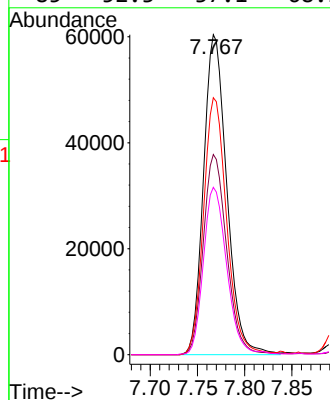
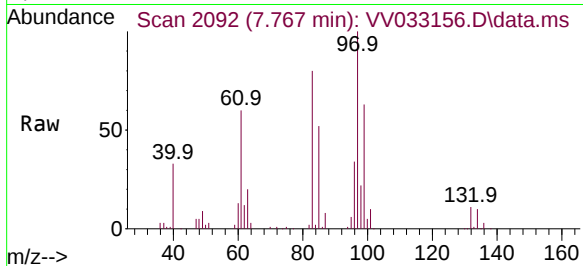




#45
1,1,2-Trichloroethane
Concen: 51.690 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

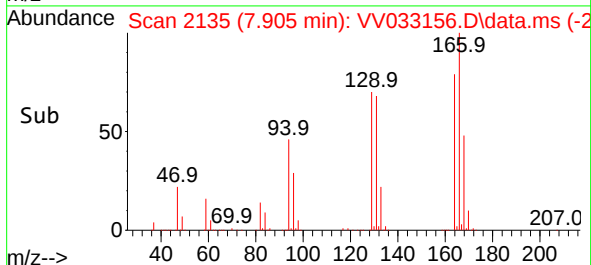
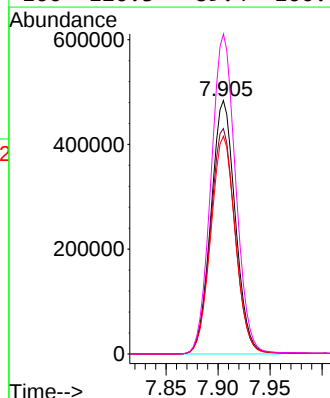
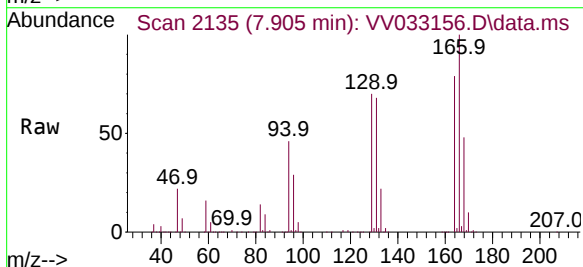
Instrument :
MSVOA_V
ClientSampleId :

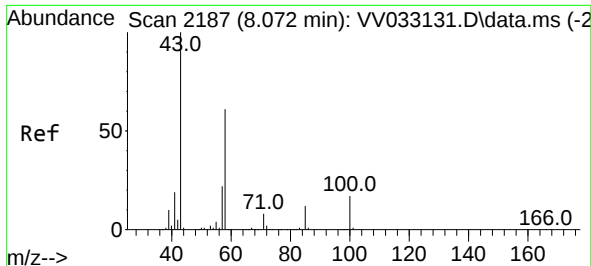
Tgt Ion:	97	Resp:	103436
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.2	80.2
83	80.3	55.8	103.6
85	52.3	37.1	68.9



#46
Tetrachloroethene
Concen: 412.591 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

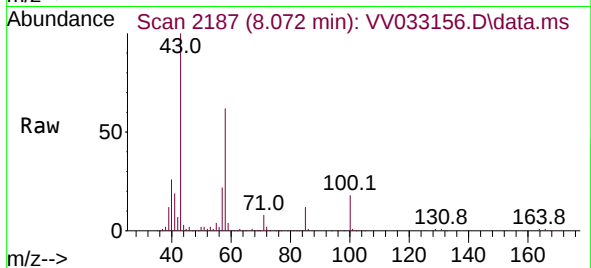
Tgt Ion:	164	Resp:	790188
Ion	Ratio	Lower	Upper
164	100		
129	89.0	65.6	121.8
131	86.0	64.7	120.1
166	126.3	89.4	166.0



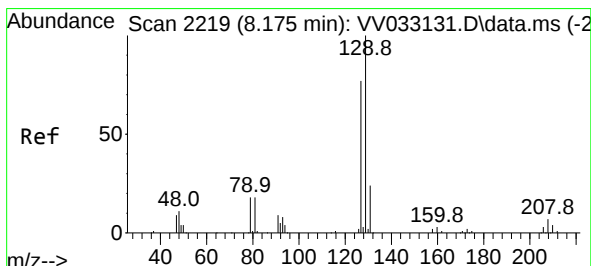
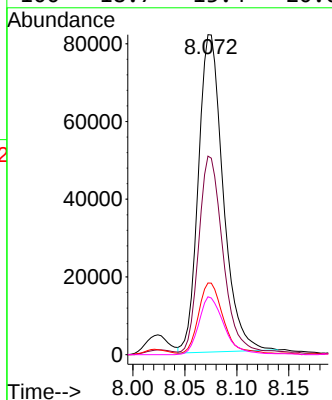
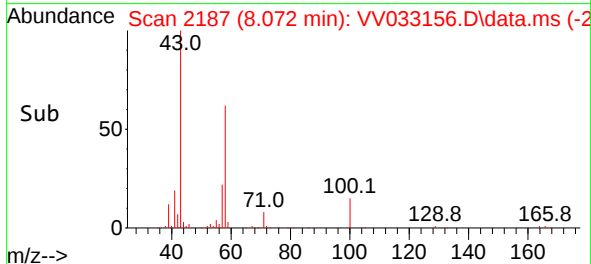


#48
2-Hexanone
Concen: 89.092 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Instrument :
MSVOA_V
ClientSampleId :

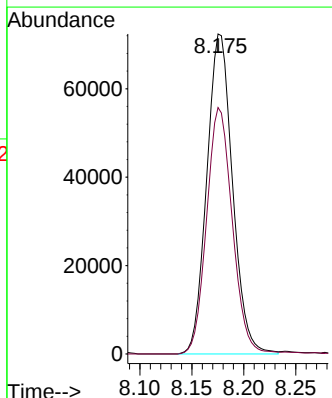
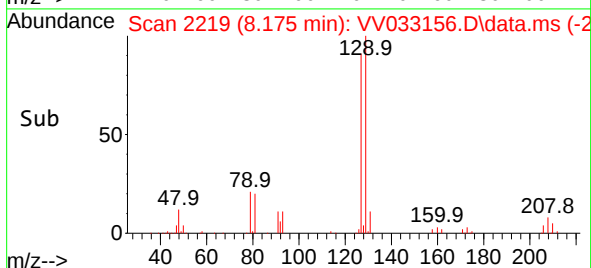
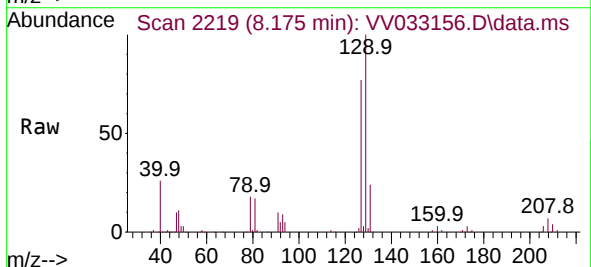


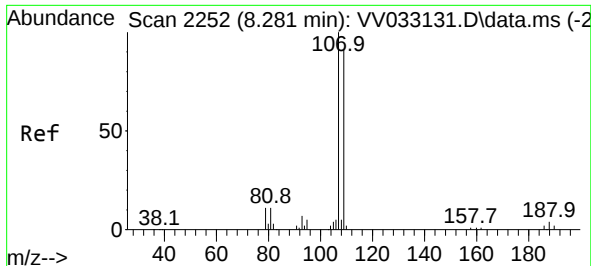
Tgt Ion: 43 Resp: 135357
Ion Ratio Lower Upper
43 100
58 60.1 47.9 71.9
57 22.3 17.4 26.0
100 18.7 13.4 20.0



#49
Dibromochloromethane
Concen: 52.325 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 129 Resp: 124995
Ion Ratio Lower Upper
129 100
127 77.0 54.1 100.5





#50

1,2-Dibromoethane

Concen: 50.939 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

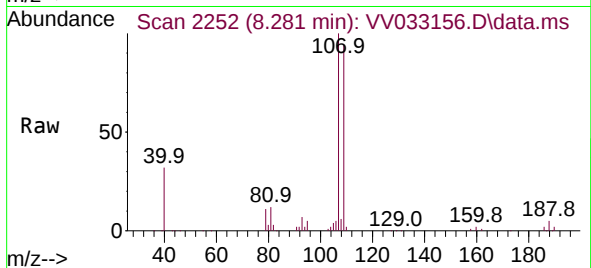
Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :



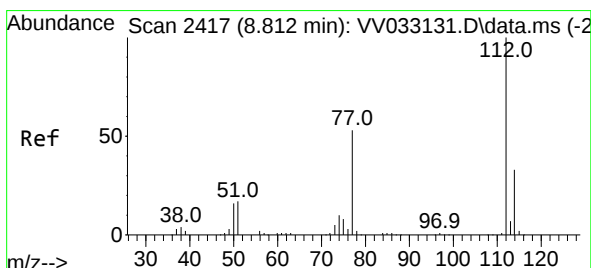
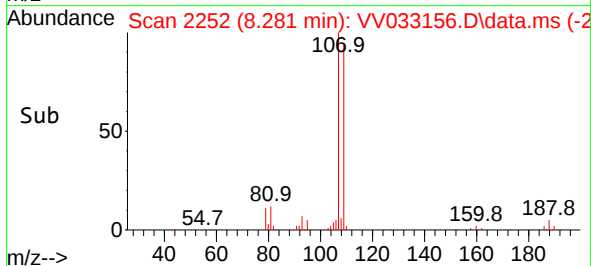
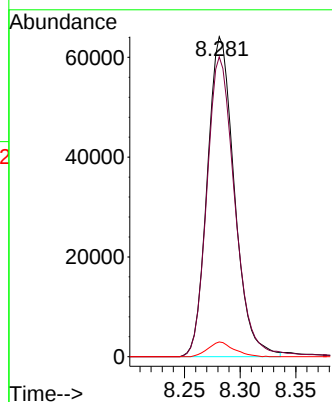
Tgt Ion:107 Resp: 108675

Ion Ratio Lower Upper

107 100

109 93.7 65.2 121.2

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 50.189 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

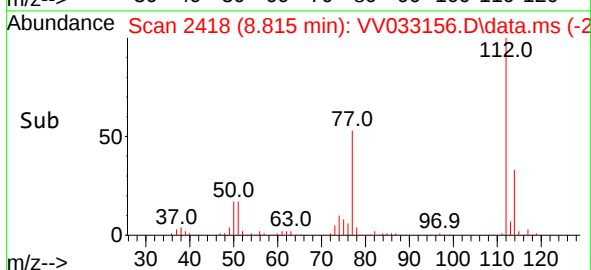
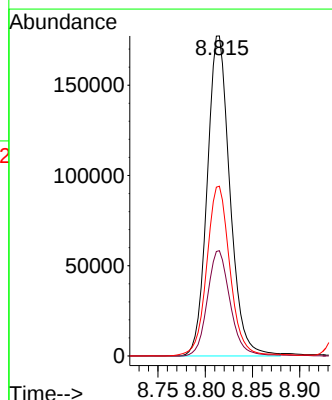
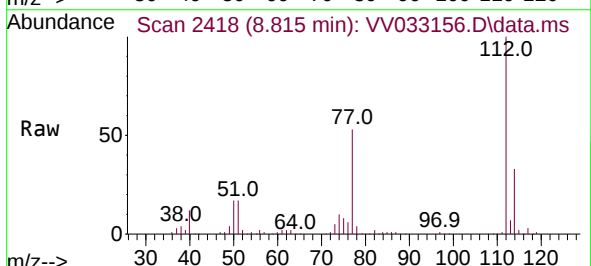
Tgt Ion:112 Resp: 296589

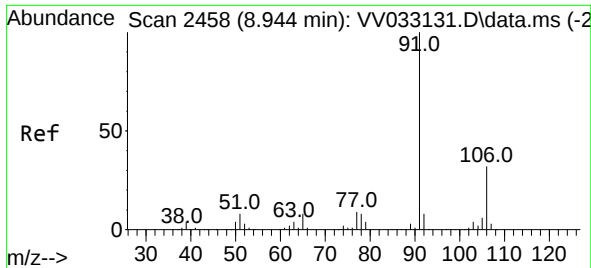
Ion Ratio Lower Upper

112 100

114 32.9 22.9 42.5

77 53.0 42.6 64.0

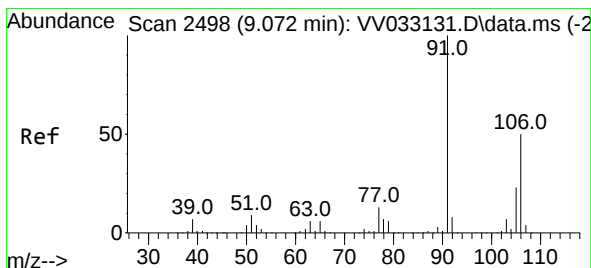
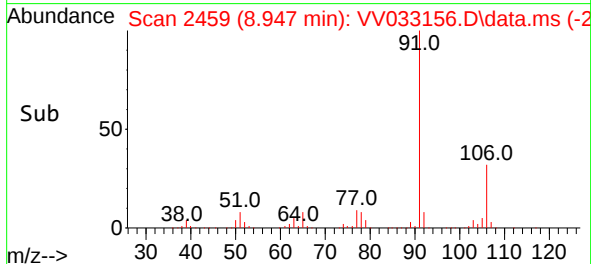
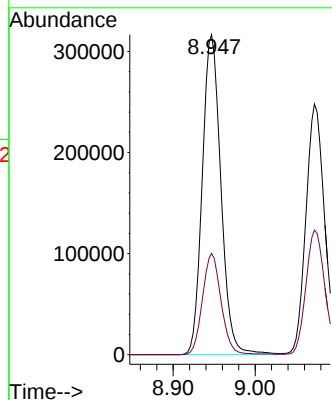
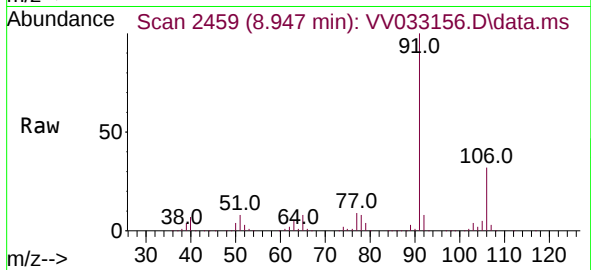




#52
Ethylbenzene
Concen: 51.667 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

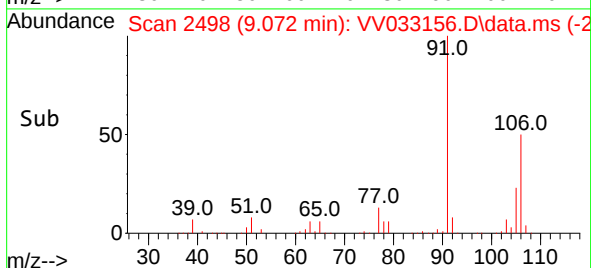
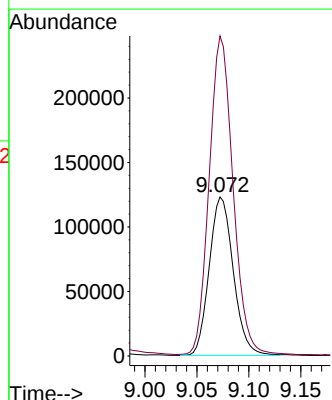
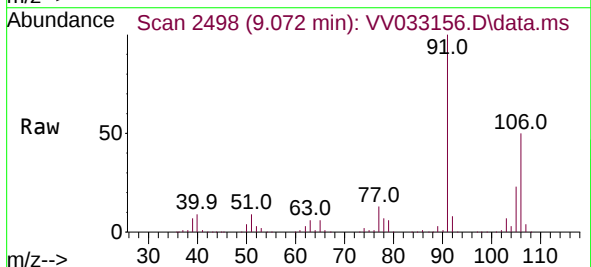
Instrument :
MSVOA_V
ClientSampleId :

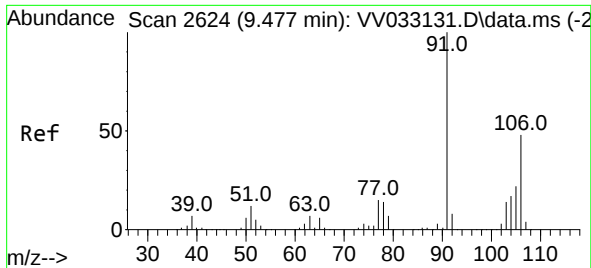
Tgt Ion: 91 Resp: 499762
Ion Ratio Lower Upper
91 100
106 31.7 22.6 42.0



#53
m,p-Xylene
Concen: 51.689 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 106 Resp: 197996
Ion Ratio Lower Upper
106 100
91 201.2 145.2 269.6

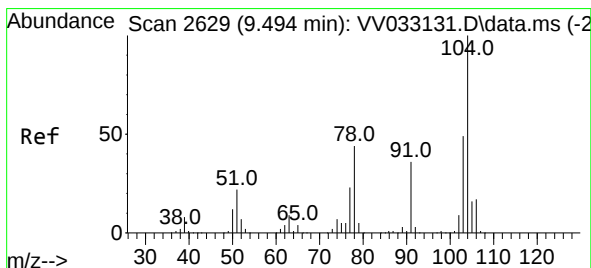
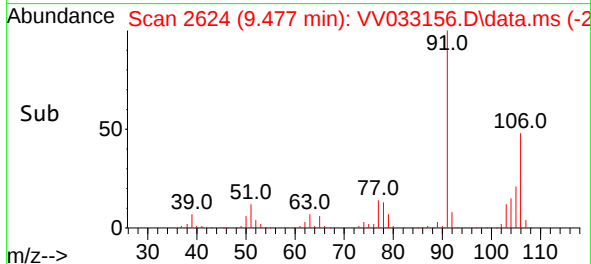
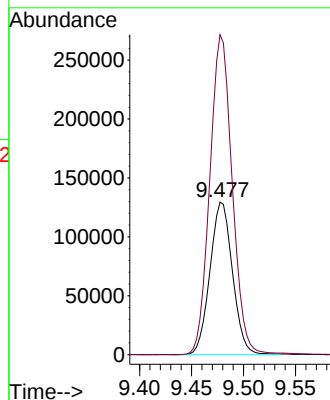
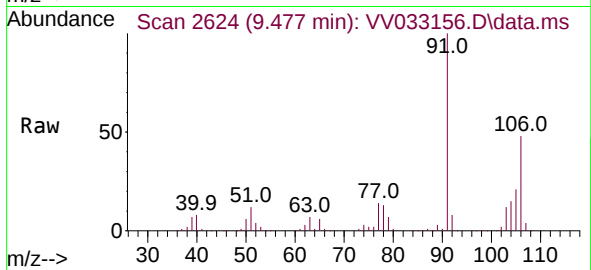




#54
o-Xylene
Concen: 51.720 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

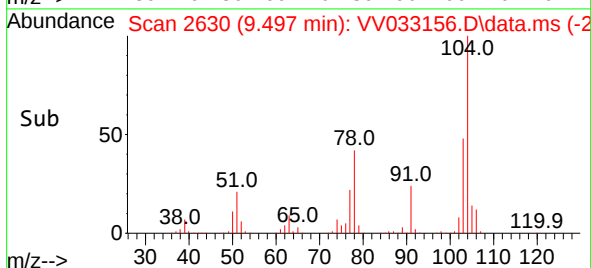
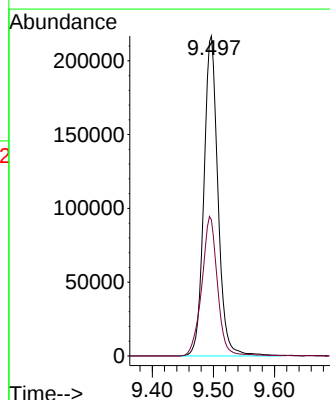
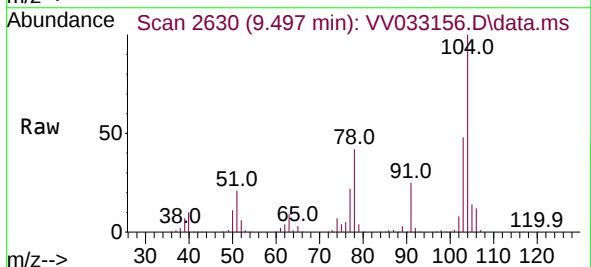
Instrument :
MSVOA_V
ClientSampleId :

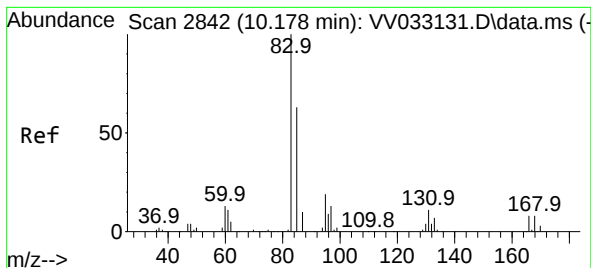
Tgt Ion:106 Resp: 195493
Ion Ratio Lower Upper
106 100
91 209.5 147.8 274.6



#55
Styrene
Concen: 53.021 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion:104 Resp: 346699
Ion Ratio Lower Upper
104 100
78 42.5 30.2 56.0

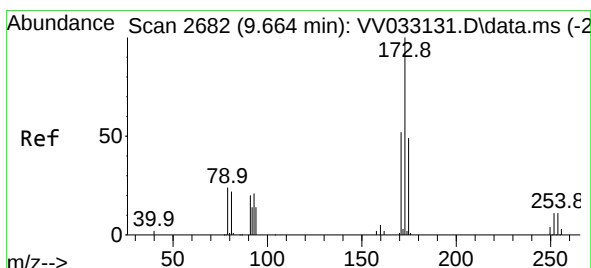
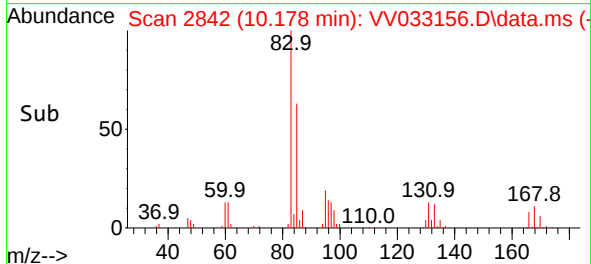
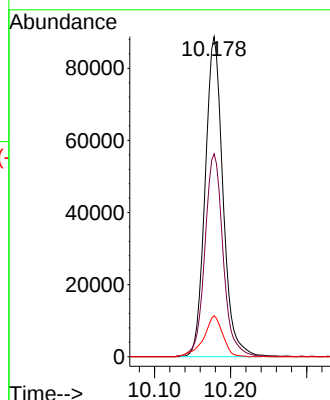
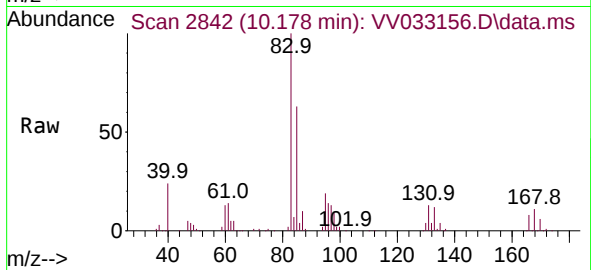




#57
1,1,2,2-Tetrachloroethane
Concen: 52.944 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

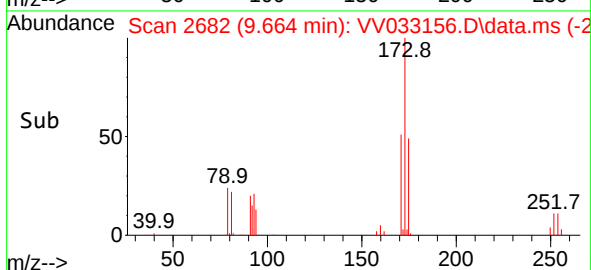
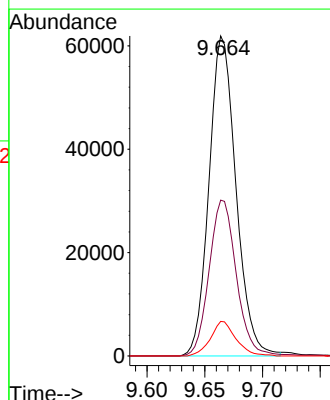
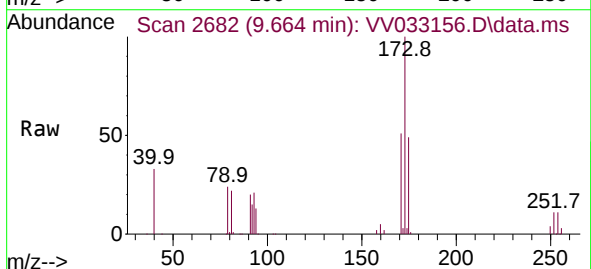
Instrument :
MSVOA_V
ClientSampleId :

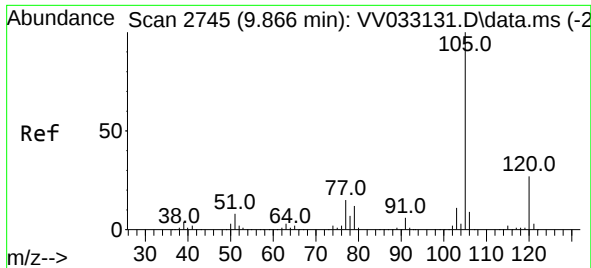
Tgt Ion: 83 Resp: 144751
Ion Ratio Lower Upper
83 100
85 63.4 45.5 84.5
131 12.8 9.7 14.5



#59
Bromoform
Concen: 51.723 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 173 Resp: 100660
Ion Ratio Lower Upper
173 100
175 49.2 38.7 58.1
254 10.2 8.0 12.0

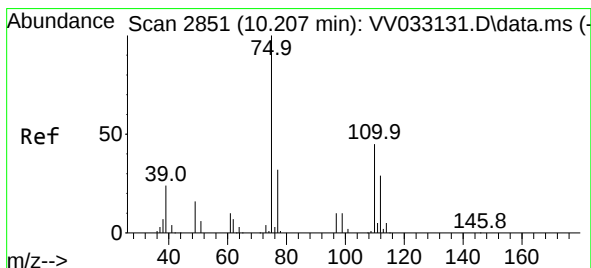
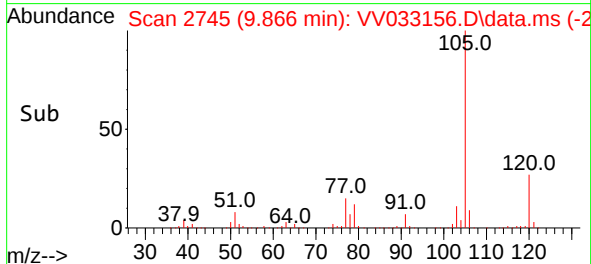
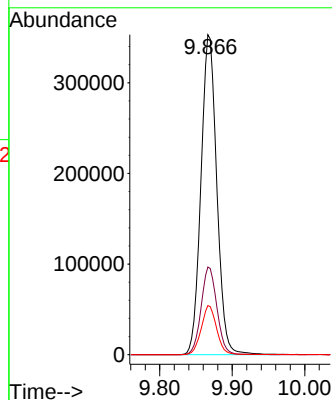
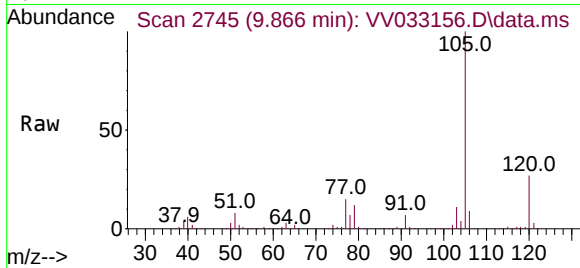




#60
Isopropylbenzene
Concen: 51.741 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

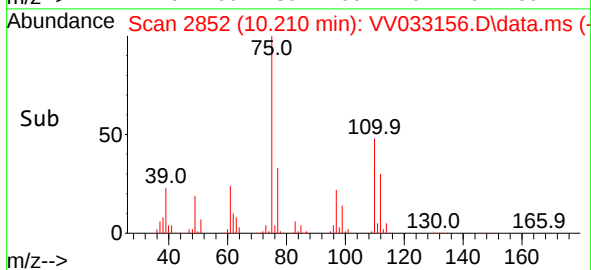
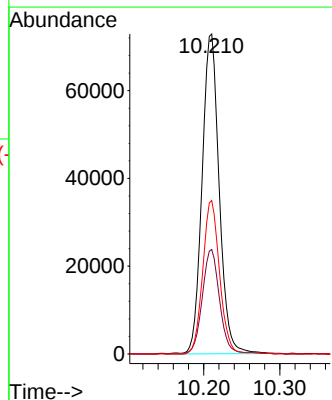
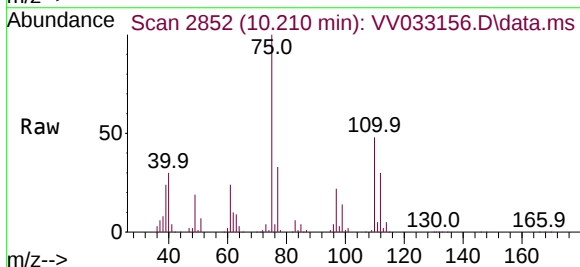
Instrument :
MSVOA_V
ClientSampleId :

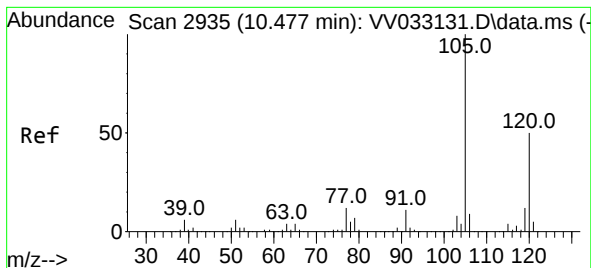
Tgt Ion:105 Resp: 534966
Ion Ratio Lower Upper
105 100
120 27.3 21.3 31.9
77 14.9 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 51.010 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion: 75 Resp: 114056
Ion Ratio Lower Upper
75 100
77 32.7 27.0 40.6
110 47.1 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 51.845 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

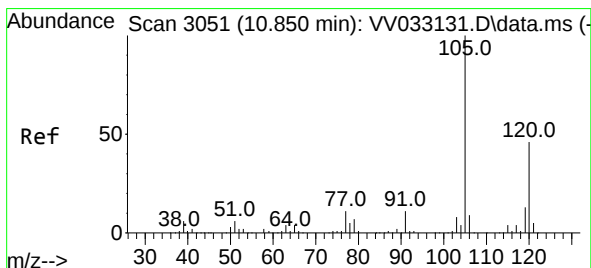
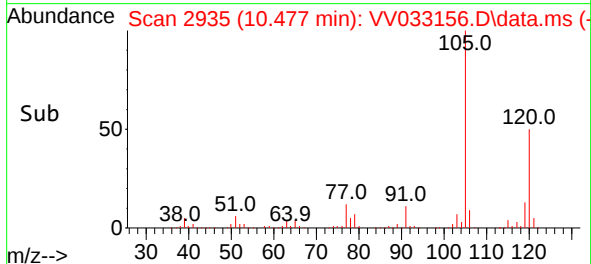
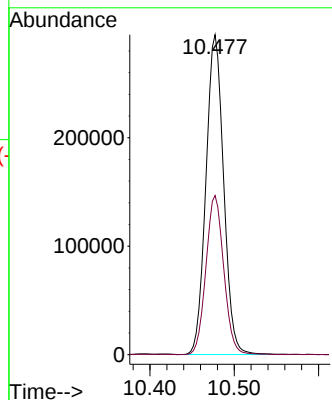
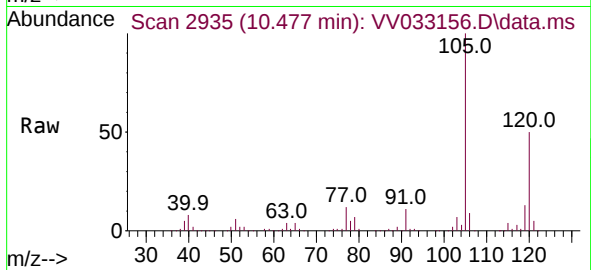
ClientSampleId :

Tgt Ion:105 Resp: 431874

Ion Ratio Lower Upper

105 100

120 50.1 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 52.382 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033156.D

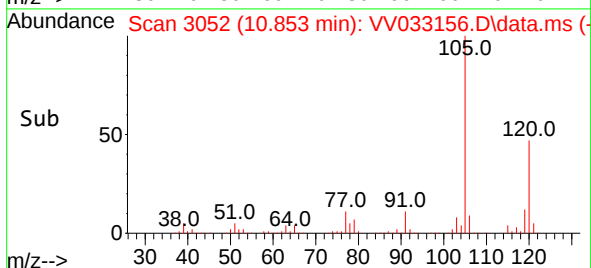
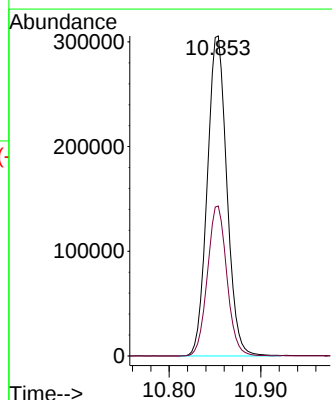
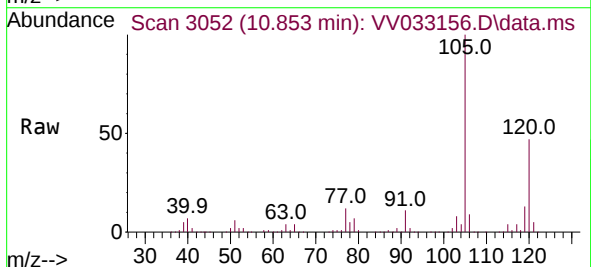
Acq: 07 Dec 2023 18:54

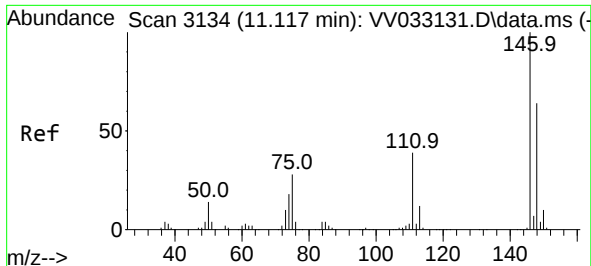
Tgt Ion:105 Resp: 454431

Ion Ratio Lower Upper

105 100

120 46.5 36.7 55.1

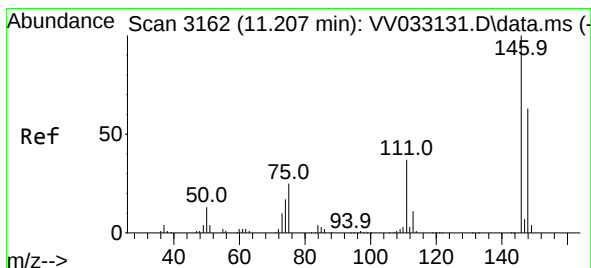
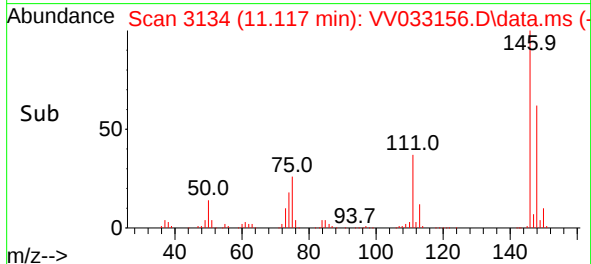
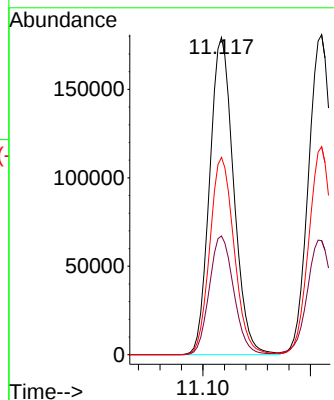
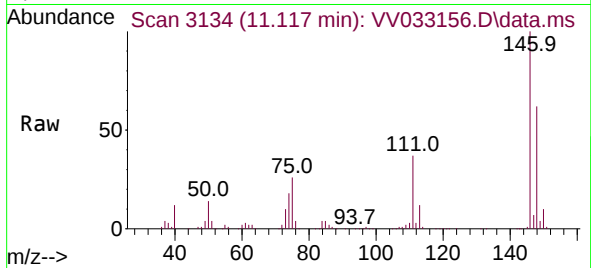




#64
1,3-Dichlorobenzene
Concen: 50.373 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

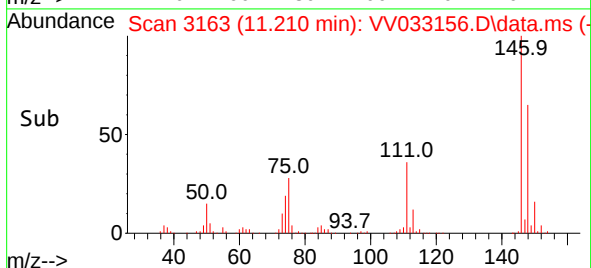
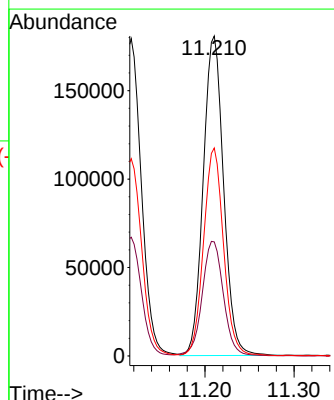
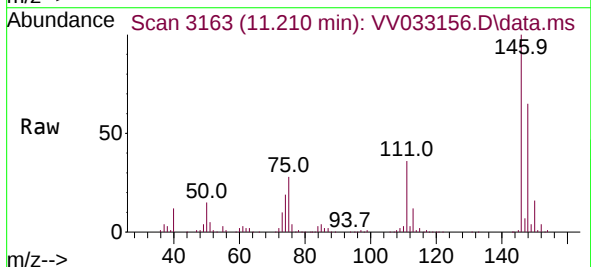
Instrument :
MSVOA_V
ClientSampleId :

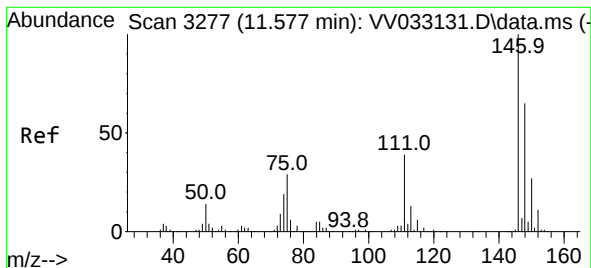
Tgt Ion:146 Resp: 278245
Ion Ratio Lower Upper
146 100
111 37.4 26.2 48.6
148 62.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 49.902 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033156.D
Acq: 07 Dec 2023 18:54

Tgt Ion:146 Resp: 286329
Ion Ratio Lower Upper
146 100
111 35.7 25.9 48.1
148 65.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 51.524 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :

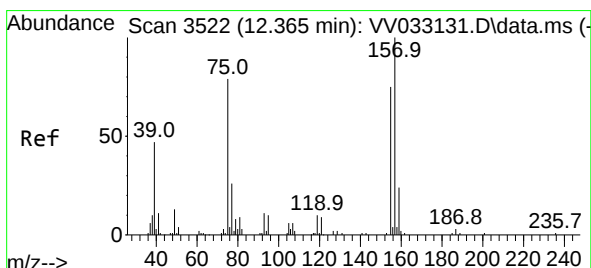
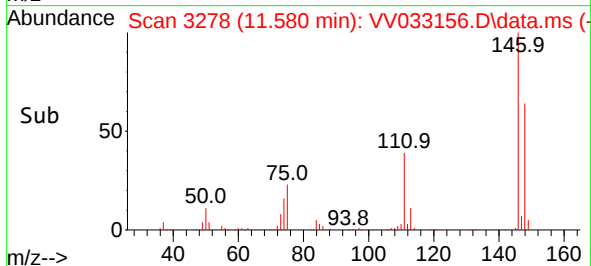
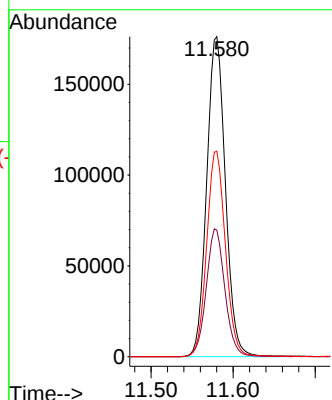
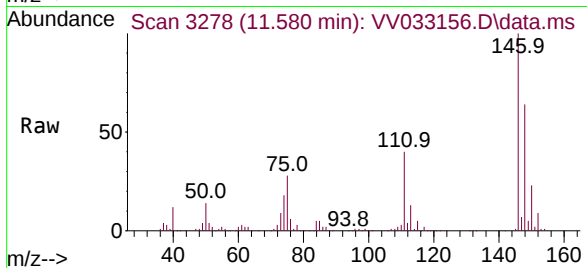
Tgt Ion:146 Resp: 279012

Ion Ratio Lower Upper

146 100

111 39.6 32.4 48.6

148 64.2 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 48.413 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

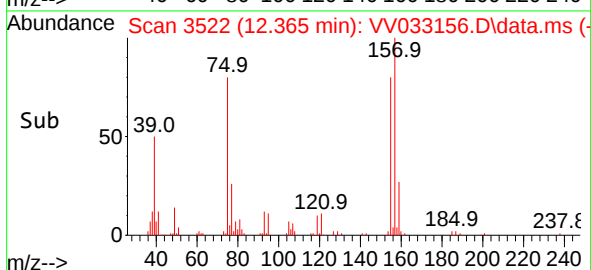
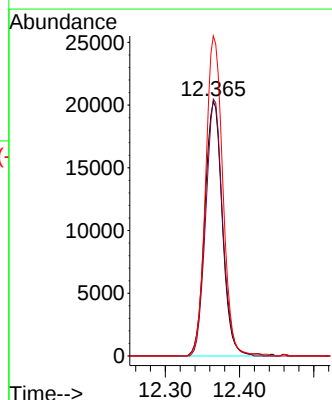
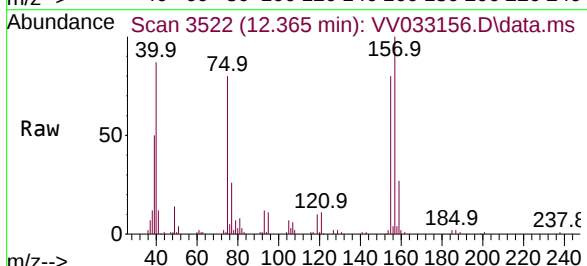
Tgt Ion: 75 Resp: 33215

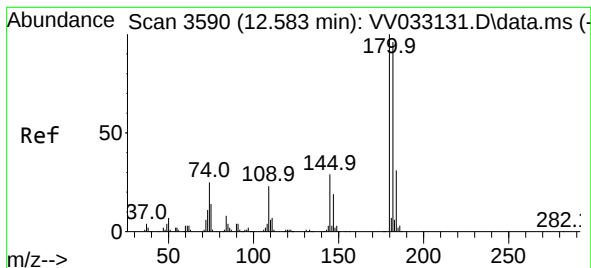
Ion Ratio Lower Upper

75 100

155 100.9 75.8 113.6

157 125.7 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 47.934 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

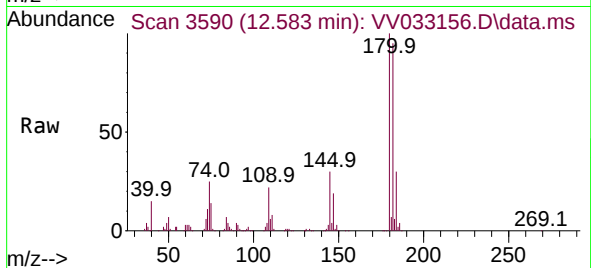
Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 212086

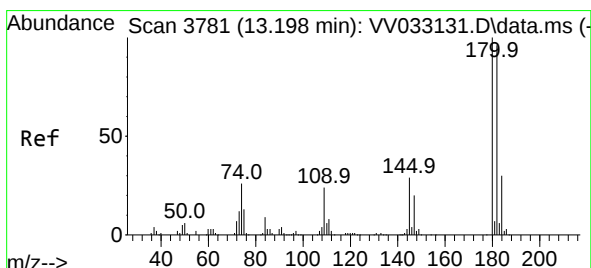
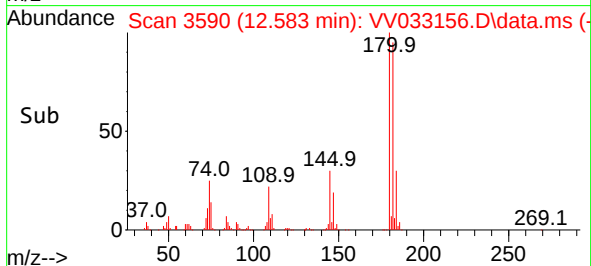
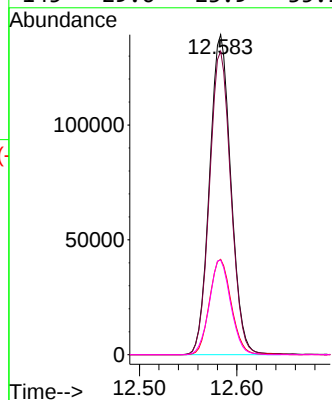
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

184 30.3 24.2 36.4

145 29.6 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 47.269 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

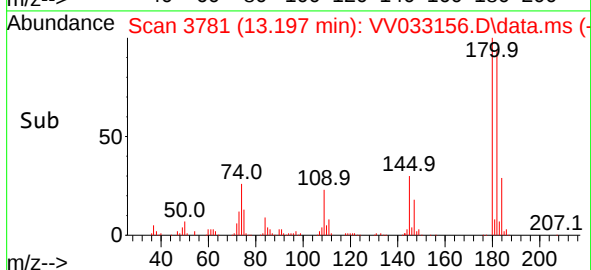
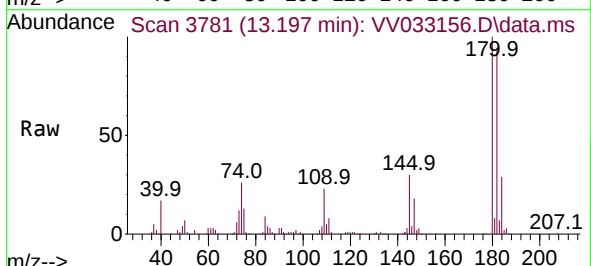
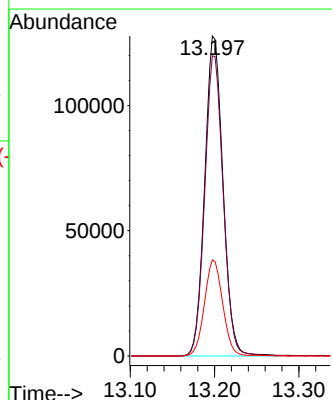
Tgt Ion:180 Resp: 193221

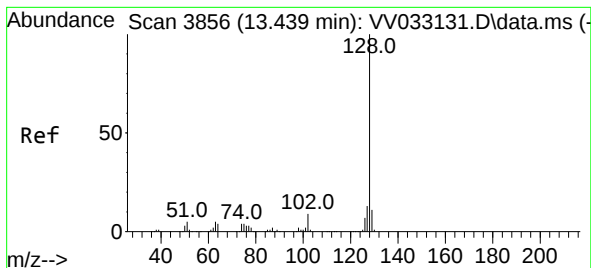
Ion Ratio Lower Upper

180 100

182 94.5 76.3 114.5

145 29.9 23.4 35.0





#71

Naphthalene

Concen: 46.832 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Instrument :

MSVOA_V

ClientSampleId :

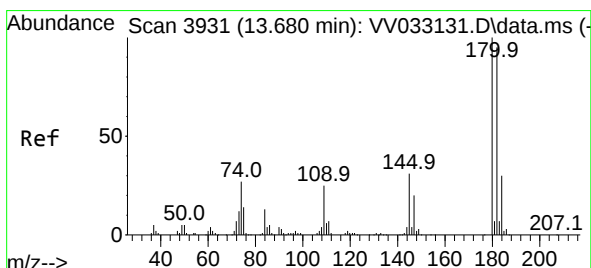
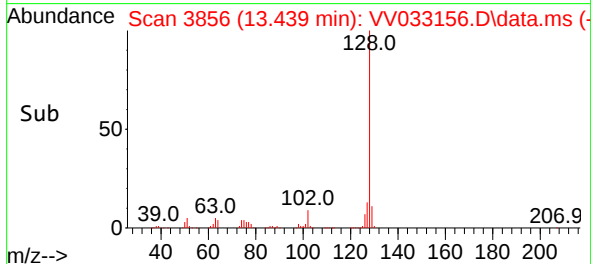
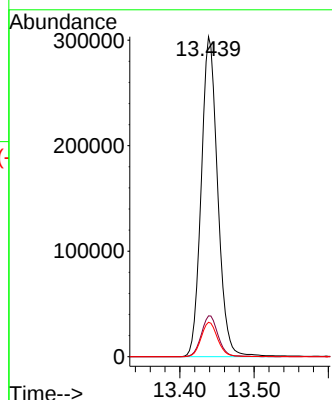
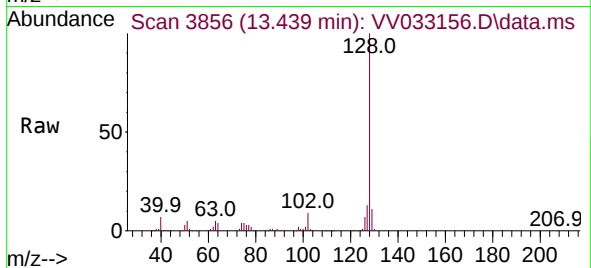
Tgt Ion:128 Resp: 466866

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.910 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033156.D

Acq: 07 Dec 2023 18:54

Tgt Ion:180 Resp: 196862

Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 31.6 24.9 37.3

