

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033036.D
 Acq On : 20 Nov 2023 20:54
 Operator : SY/MD
 Sample : 05436-08MS
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:44:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	323713	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	320796	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	197261	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69344	40.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.940%
7) Chloroethane-d5	1.532	69	54253	41.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.360%
11) 1,1-Dichloroethene-d2	2.059	65	27601	39.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.700%
21) 2-Butanone-d5	3.783	46	108888	101.116	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.120%
24) Chloroform-d	4.249	84	196247	47.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.100%
26) 1,2-Dichloroethane-d4	4.940	65	121604	46.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.480%
32) Benzene-d6	4.960	84	335383	44.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.780%
36) 1,2-Dichloropropane-d6	5.989	67	98554	46.523	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.040%
41) Toluene-d8	7.243	98	314777	44.139	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.280%
43) trans-1,3-Dichloroprop...	7.551	79	57717	46.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.340%
47) 2-Hexanone-d5	8.024	63	95235	108.639	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.640%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	162792	50.484	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.960%
66) 1,2-Dichlorobenzene-d4	11.561	152	163806	46.567	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	151622	43.354	ug/L	98
3) Chloromethane	1.214	50	107069	41.023	ug/L	99
5) Vinyl chloride	1.285	62	102528	42.348	ug/L	99
6) Bromomethane	1.484	94	64976	40.614	ug/L	97
8) Chloroethane	1.548	64	55811	41.677	ug/L	99
9) Trichlorofluoromethane	1.712	101	174680	44.565	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	82014	42.435	ug/L	96
12) 1,1-Dichloroethene	2.069	96	77848	43.624	ug/L	98
13) Acetone	2.108	43	60133	57.072	ug/L	100
14) Carbon disulfide	2.243	76	256765	43.262	ug/L	98
15) Methyl Acetate	2.368	43	78559	42.530	ug/L	99
16) Methylene chloride	2.445	84	107232	42.414	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	101913	44.624	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	327535	45.719	ug/L	99
19) 1,1-Dichloroethane	3.111	63	175336	42.979	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	117576	45.917	ug/L	98
22) 2-Butanone	3.863	43	105823	77.568	ug/L	99
23) Bromochloromethane	4.146	128	62848	44.623	ug/L	96
25) Chloroform	4.275	83	207946	45.288	ug/L	99

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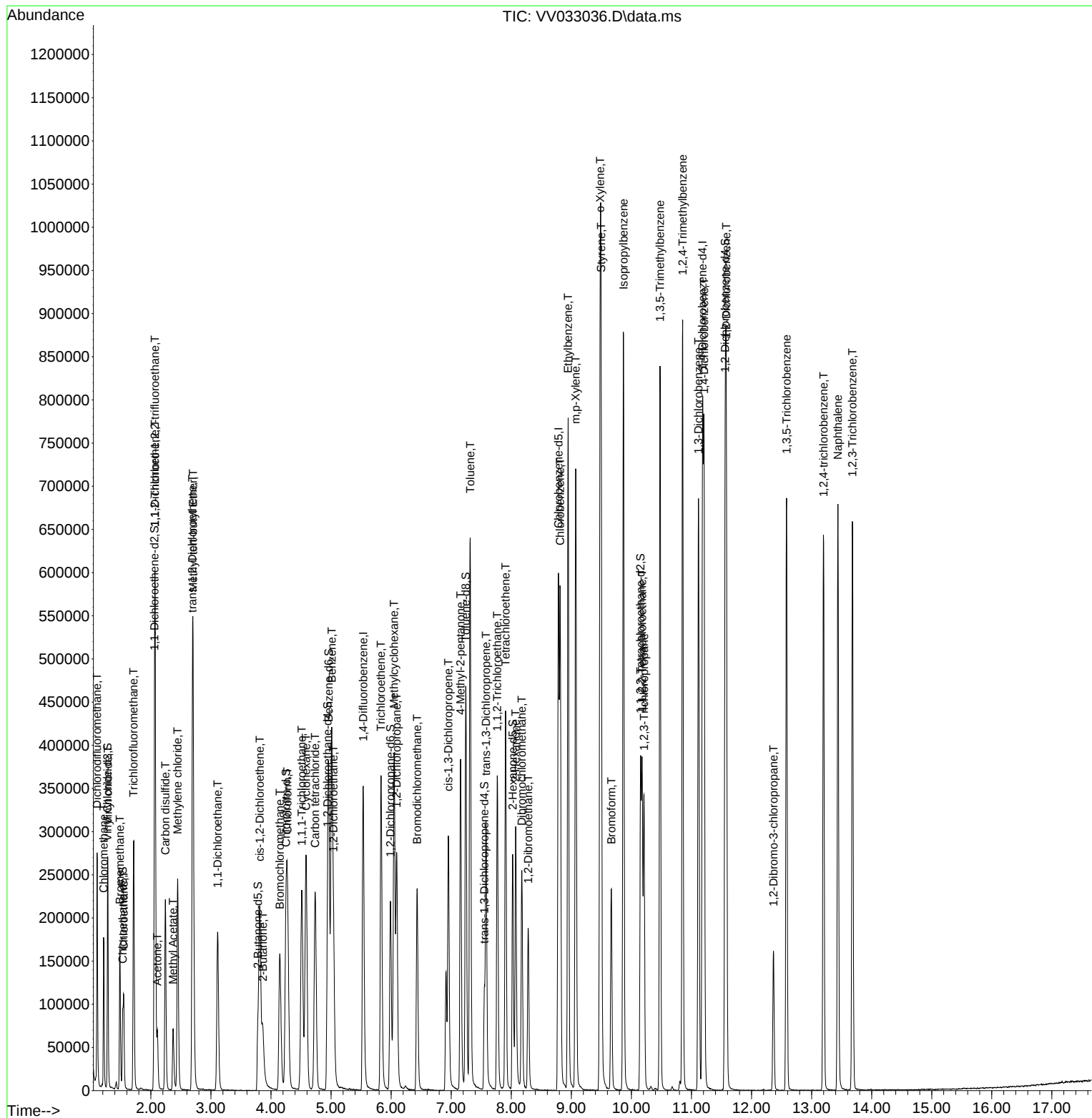
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	164440	45.907	ug/L	99
29) Cyclohexane	4.583	56	145497	47.009	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	196528	46.904	ug/L	99
31) Carbon tetrachloride	4.735	117	179155	45.883	ug/L	99
33) Benzene	5.011	78	422112	47.306	ug/L	100
34) Trichloroethene	5.831	95	124942	49.677	ug/L	98
35) Methylcyclohexane	6.050	83	171598	46.941	ug/L	98
37) 1,2-Dichloropropane	6.091	63	101118	46.169	ug/L	100
38) Bromodichloromethane	6.432	83	156558	46.006	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	175646	46.584	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	231718	96.724	ug/L	98
42) Toluene	7.316	91	467981	47.333	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	175714	46.376	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	112645	45.669	ug/L	98
46) Tetrachloroethene	7.905	164	100867	46.021	ug/L	97
48) 2-Hexanone	8.072	43	176341	93.042	ug/L	97
49) Dibromochloromethane	8.175	129	131077	46.109	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122008	47.230	ug/L	96
51) Chlorobenzene	8.815	112	316741	45.146	ug/L	99
52) Ethylbenzene	8.947	91	530115	46.706	ug/L	99
53) m,p-Xylene	9.072	106	207700	46.576	ug/L	98
54) o-Xylene	9.480	106	204638	47.673	ug/L	99
55) Styrene	9.496	104	369571	48.264	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	165708	47.557	ug/L	100
59) Bromoform	9.667	173	105092	45.714	ug/L	100
60) Isopropylbenzene	9.869	105	565418	47.282	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	129957	45.668	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	443601	46.235	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	471167	46.877	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	287665	44.900	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	294497	43.244	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	286681	44.593	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	38814	46.886	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	212982	42.759	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	196065	42.952	ug/L	99
71) Naphthalene	13.438	128	537876	47.640	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	203789	46.046	ug/L	99

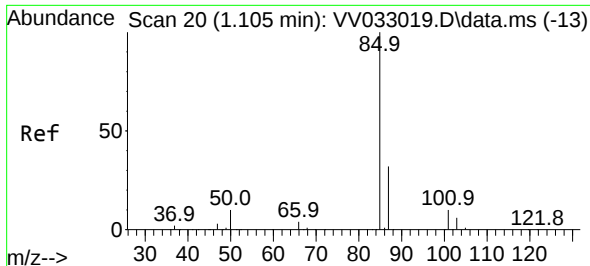
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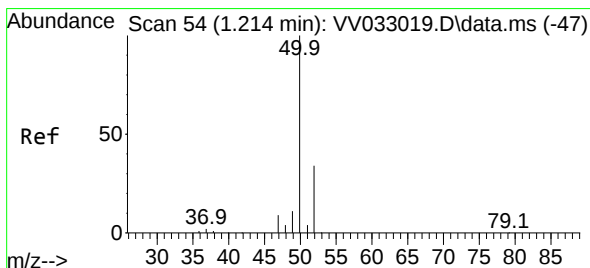
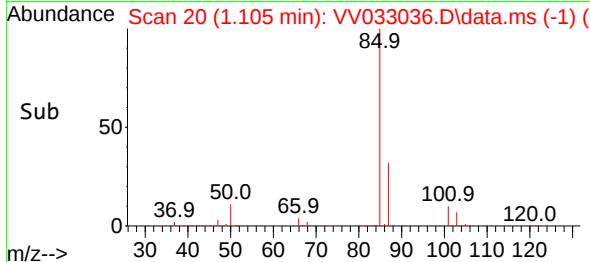
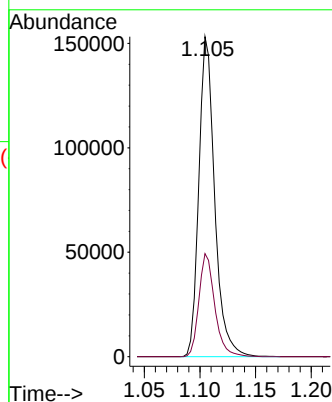
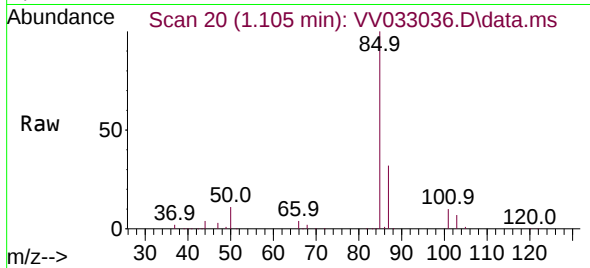




#2
 Dichlorodifluoromethane
 Concen: 43.354 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033036.D
 Acq: 20 Nov 2023 20:54

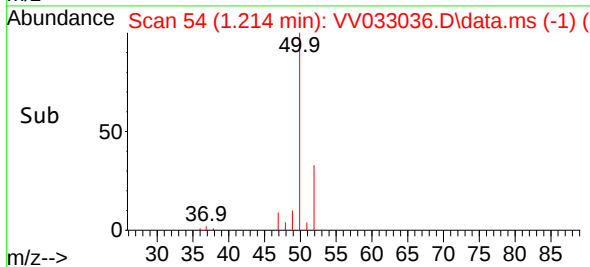
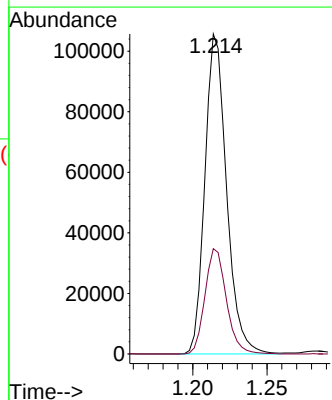
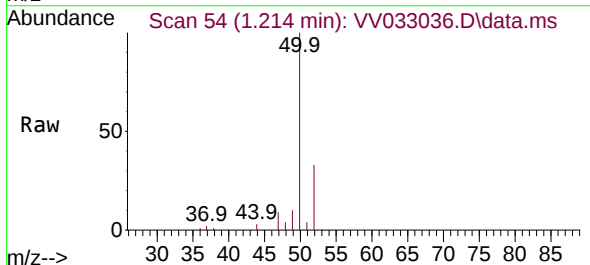
Instrument :
 MSVOA_V
 ClientSampleId :

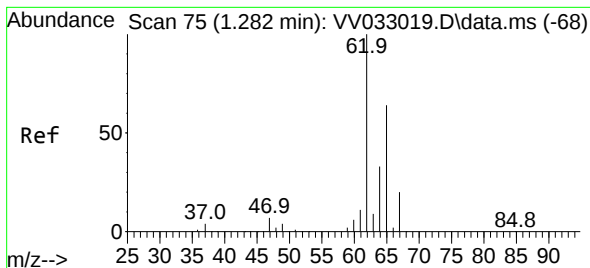
Tgt Ion: 85 Resp: 151622
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.8 40.2



#3
 Chloromethane
 Concen: 41.023 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033036.D
 Acq: 20 Nov 2023 20:54

Tgt Ion: 50 Resp: 107069
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.7 42.3





#5

Vinyl chloride

Concen: 42.348 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

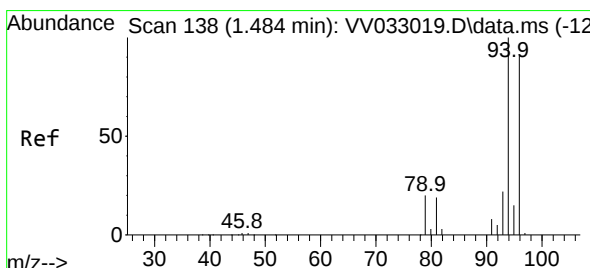
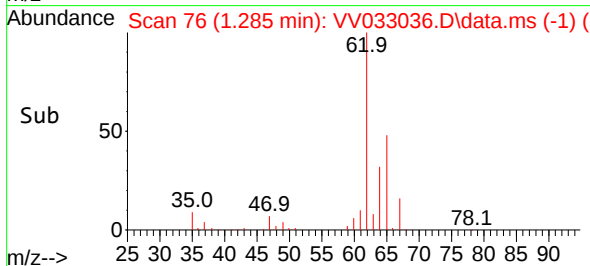
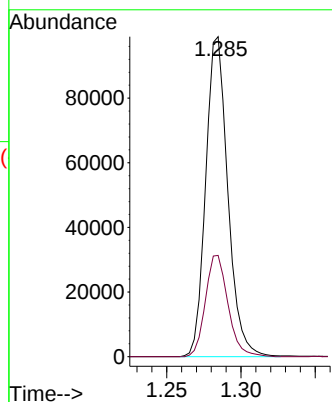
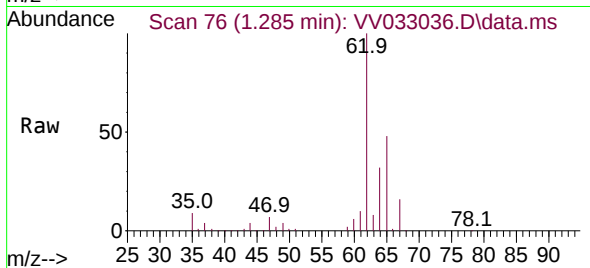
ClientSampleId :

Tgt Ion: 62 Resp: 102528

Ion Ratio Lower Upper

62 100

64 31.7 22.7 42.1



#6

Bromomethane

Concen: 40.614 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV033036.D

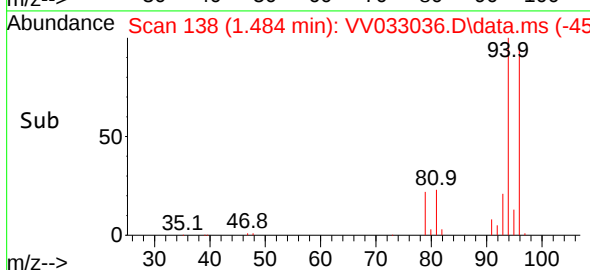
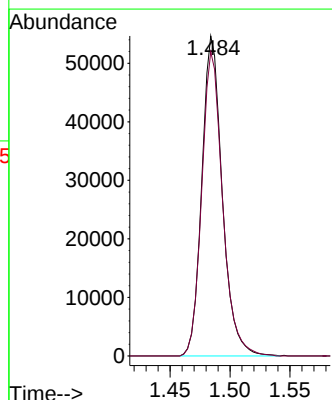
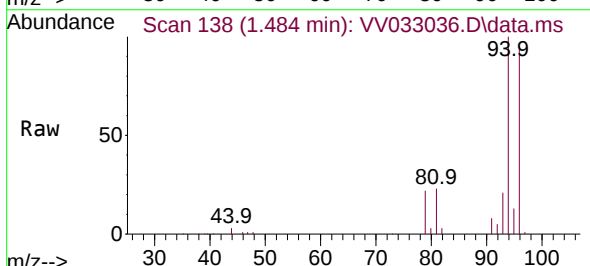
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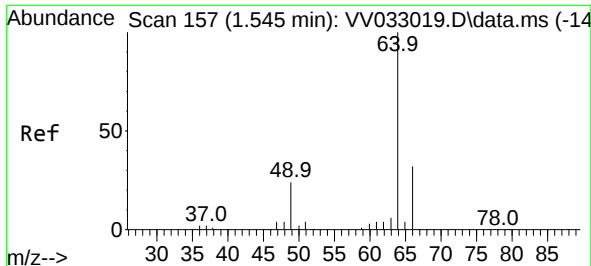
Tgt Ion: 94 Resp: 64976

Ion Ratio Lower Upper

94 100

96 95.1 64.4 119.6





#8

Chloroethane

Concen: 41.677 ug/L

RT: 1.548 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

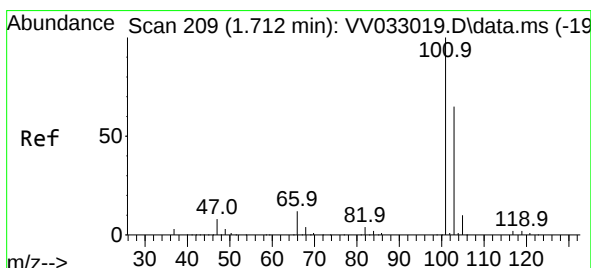
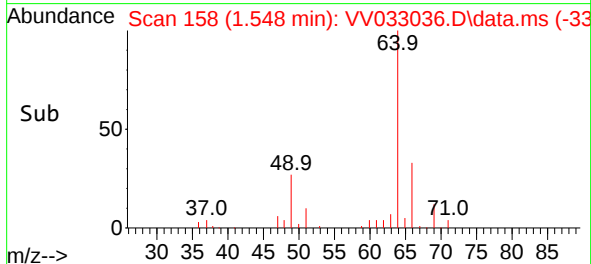
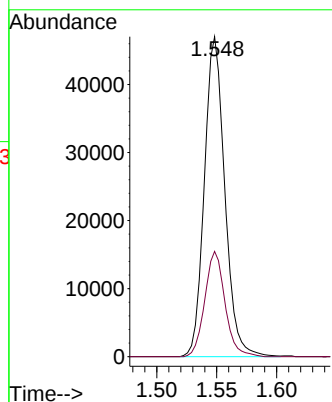
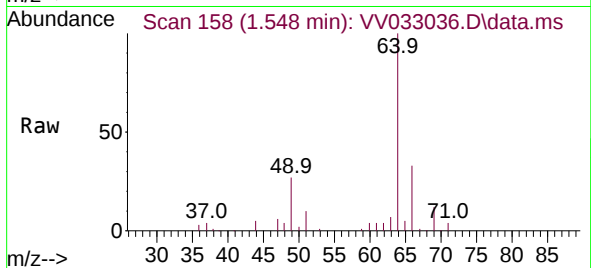
ClientSampleId :

Tgt Ion: 64 Resp: 55811

Ion Ratio Lower Upper

64 100

66 32.9 22.8 42.4



#9

Trichlorofluoromethane

Concen: 44.565 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.000 min

Lab File: VV033036.D

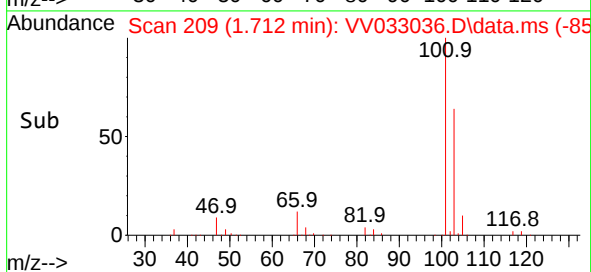
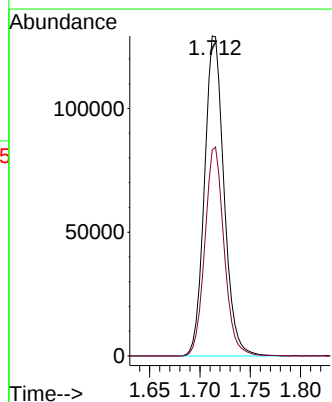
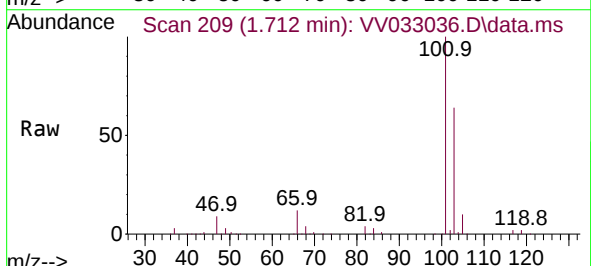
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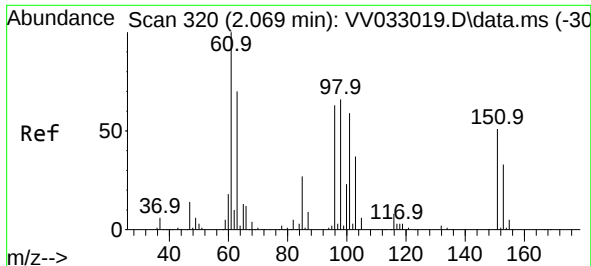
Tgt Ion:101 Resp: 174680

Ion Ratio Lower Upper

101 100

103 64.3 52.1 78.1

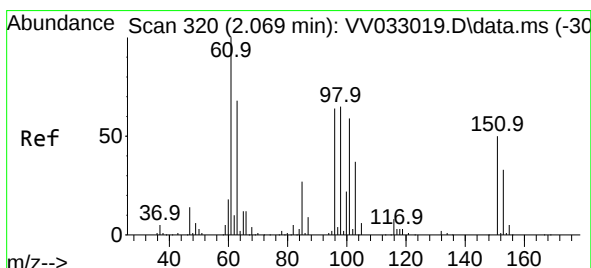
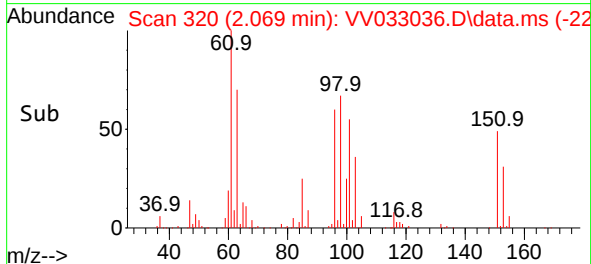
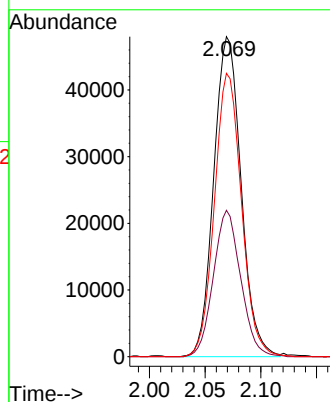
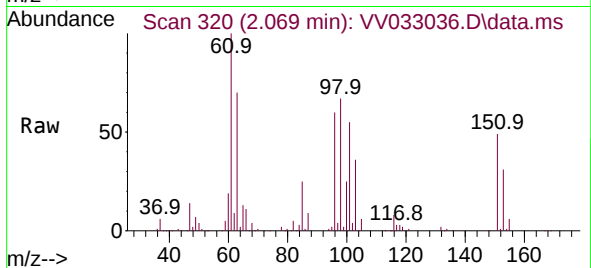




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.435 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033036.D
 Acq: 20 Nov 2023 20:54

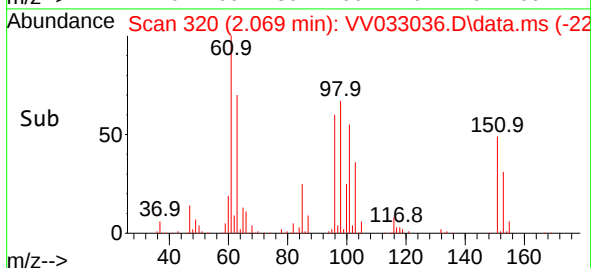
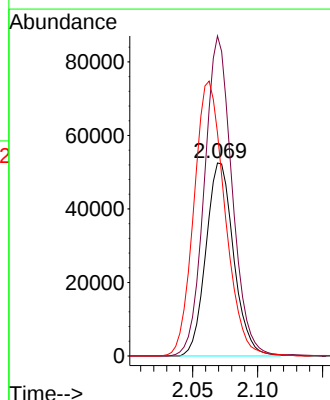
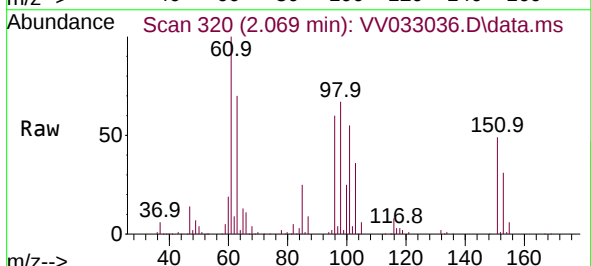
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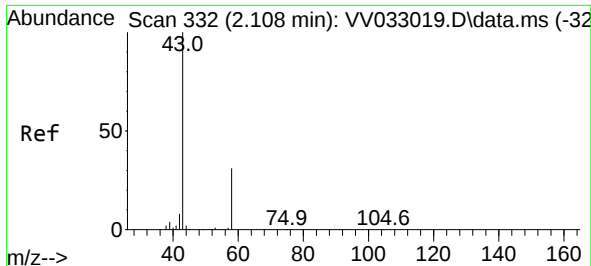
Tgt Ion:101 Resp: 82014
 Ion Ratio Lower Upper
 101 100
 85 45.7 35.5 53.3
 151 87.6 67.0 100.4



#12
 1,1-Dichloroethene
 Concen: 43.624 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033036.D
 Acq: 20 Nov 2023 20:54

Tgt Ion: 96 Resp: 77848
 Ion Ratio Lower Upper
 96 100
 61 165.8 116.6 216.6
 63 115.6 84.8 157.4





#13

Acetone

Concen: 57.072 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

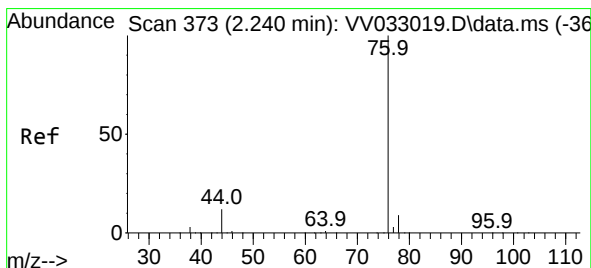
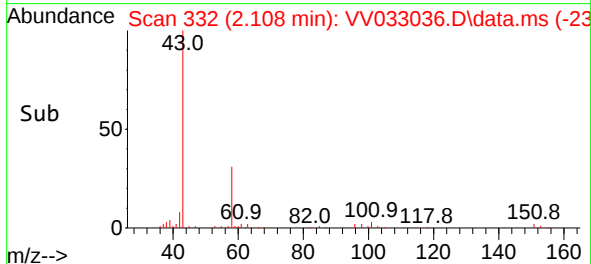
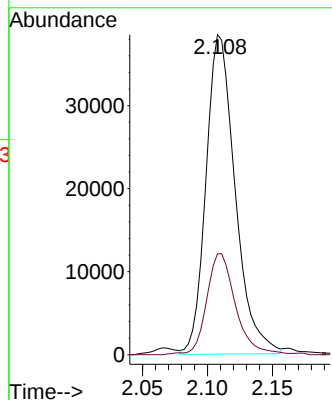
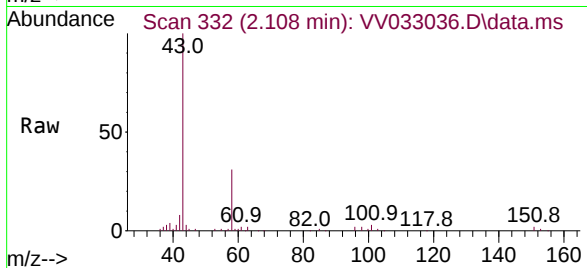
ClientSampleId :

Tgt Ion: 43 Resp: 60133

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.6



#14

Carbon disulfide

Concen: 43.262 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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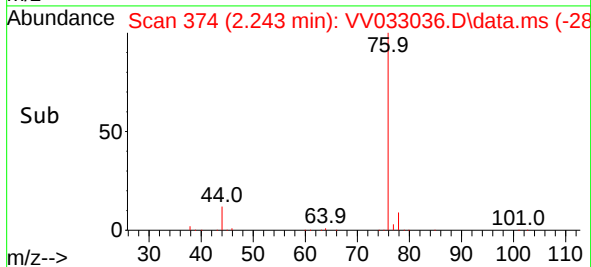
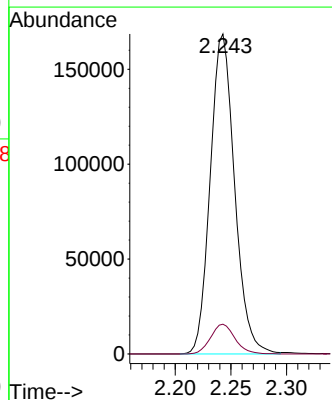
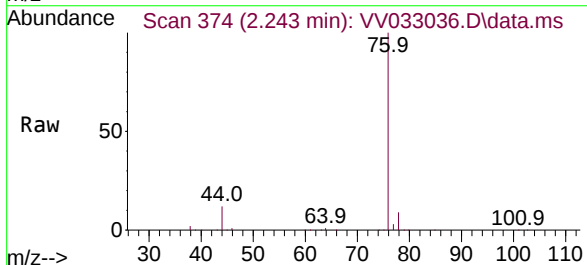
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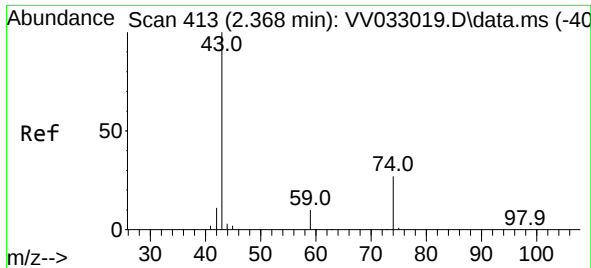
Tgt Ion: 76 Resp: 256765

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

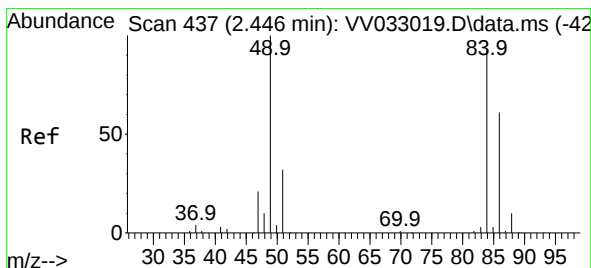
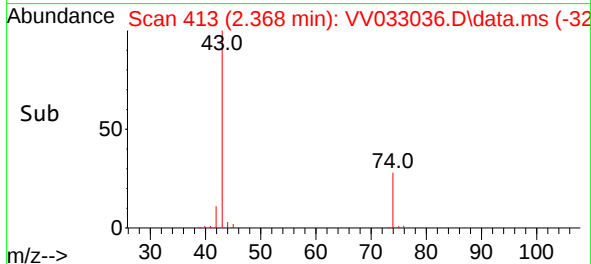
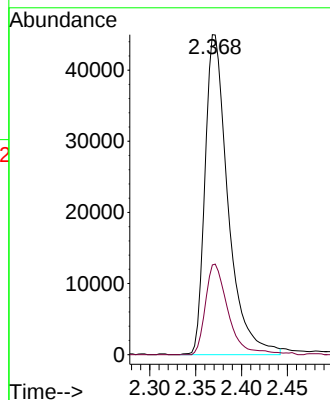
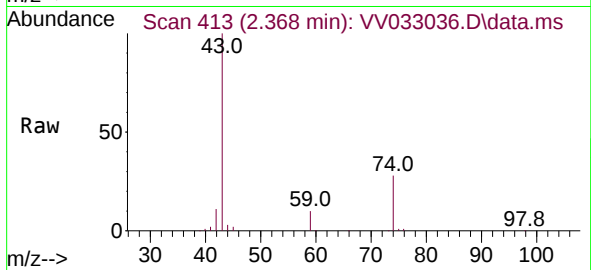




#15
Methyl Acetate
Concen: 42.530 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

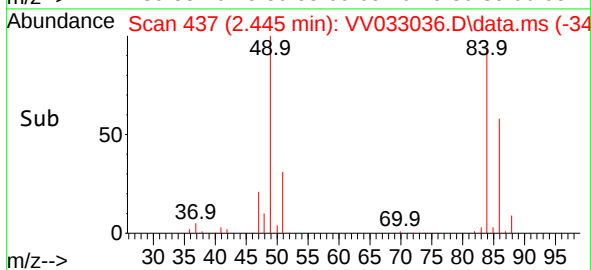
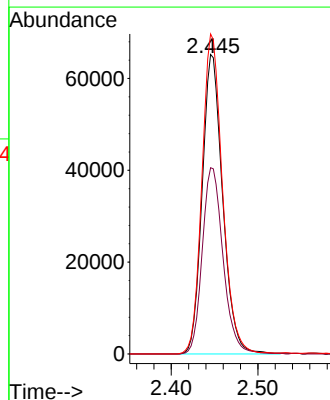
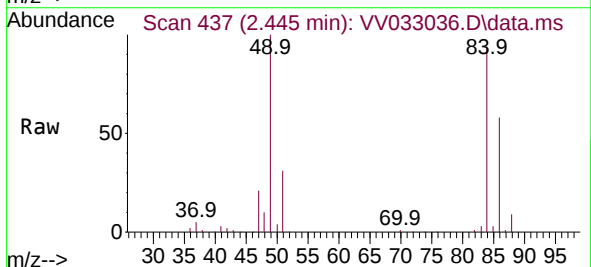
Instrument :
MSVOA_V
ClientSampleId :

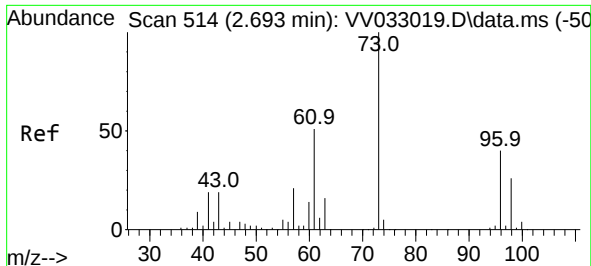
Tgt Ion: 43 Resp: 78559
Ion Ratio Lower Upper
43 100
74 28.0 22.7 34.1



#16
Methylene chloride
Concen: 42.414 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 84 Resp: 107232
Ion Ratio Lower Upper
84 100
86 62.2 44.7 83.1
49 106.8 76.6 142.3





#17

trans-1,2-Dichloroethene

Concen: 44.624 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :

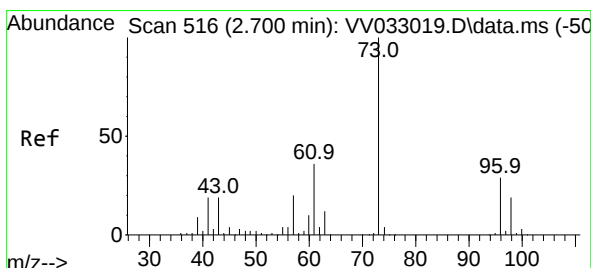
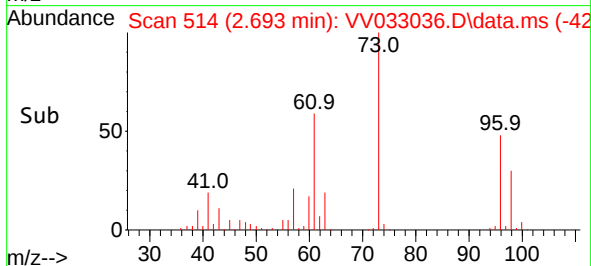
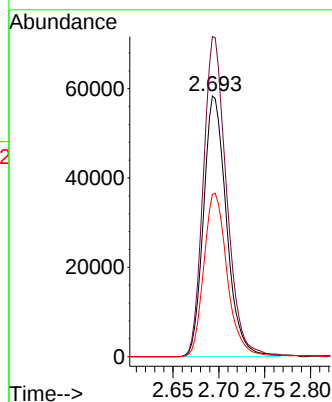
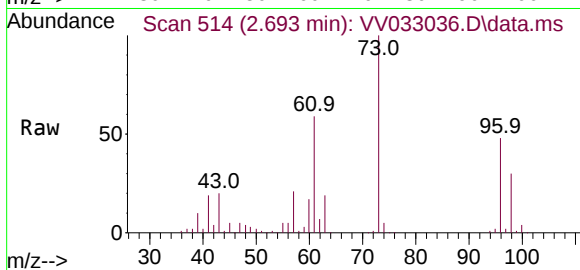
Tgt Ion: 96 Resp: 101913

Ion Ratio Lower Upper

96 100

61 122.8 89.5 166.3

98 62.3 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 45.719 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

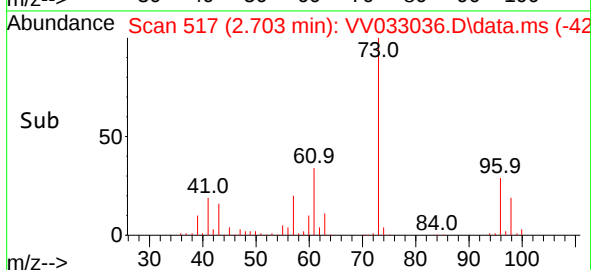
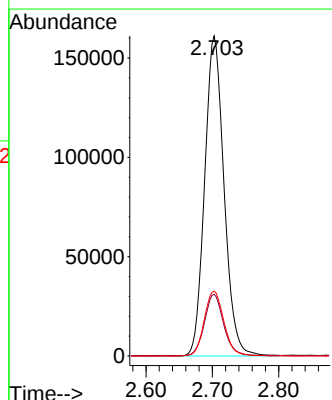
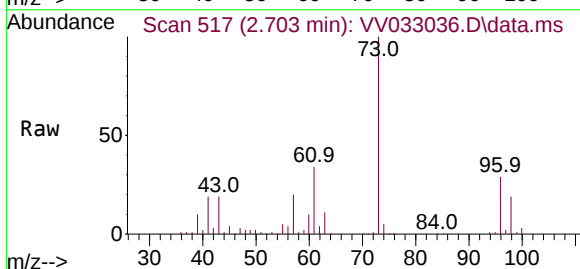
Tgt Ion: 73 Resp: 327535

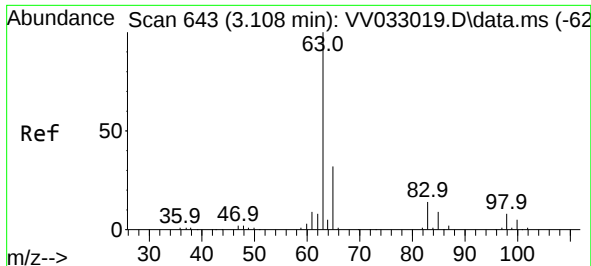
Ion Ratio Lower Upper

73 100

43 18.9 15.2 22.8

57 20.4 15.8 23.8

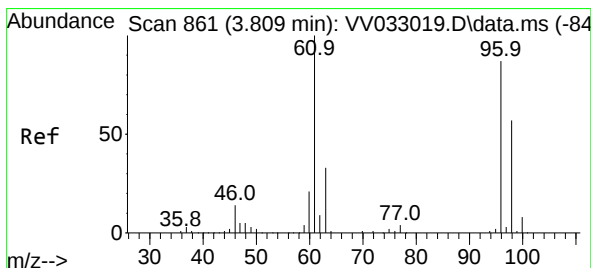
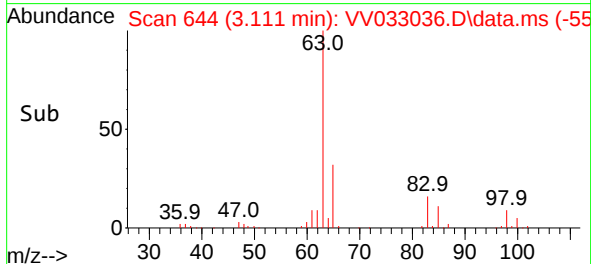
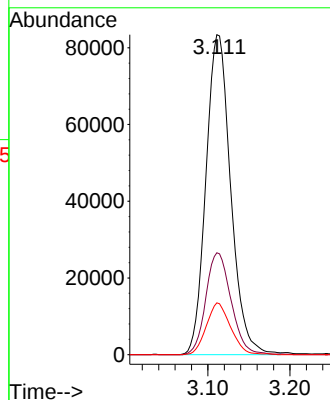
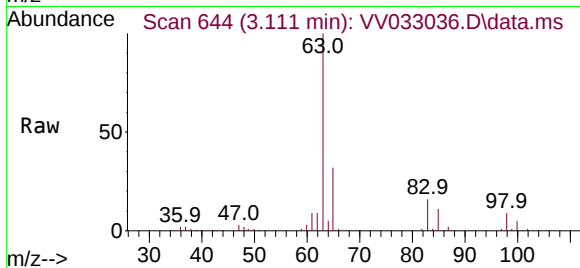




#19
1,1-Dichloroethane
Concen: 42.979 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

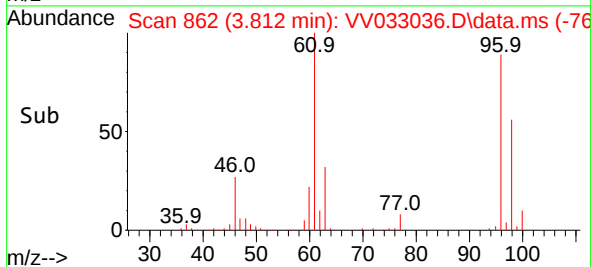
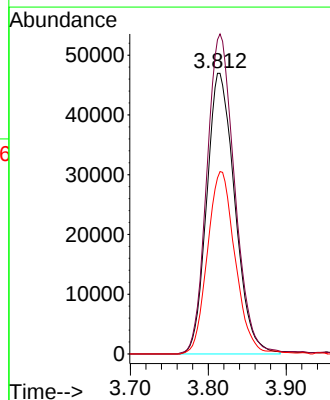
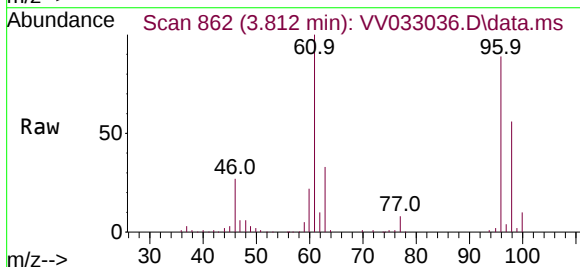
Instrument :
MSVOA_V
ClientSampleId :

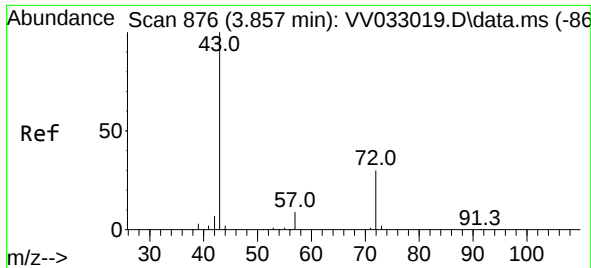
Tgt Ion: 63 Resp: 175336
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 16.2 10.7 19.9



#20
cis-1,2-Dichloroethene
Concen: 45.917 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 96 Resp: 117576
Ion Ratio Lower Upper
96 100
61 112.0 80.2 149.0
98 62.7 45.1 83.7

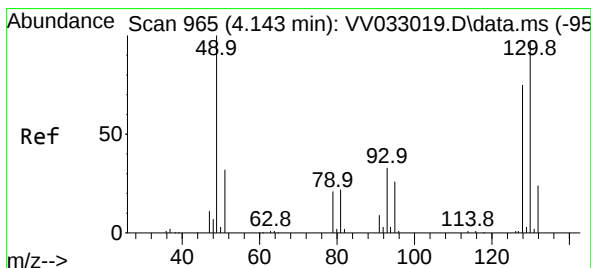
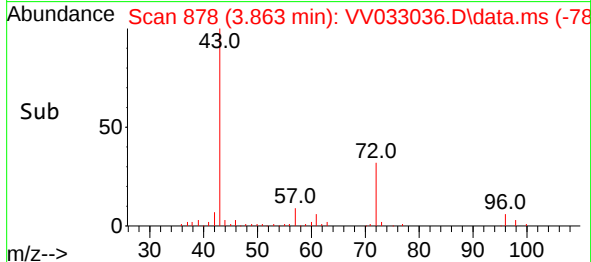
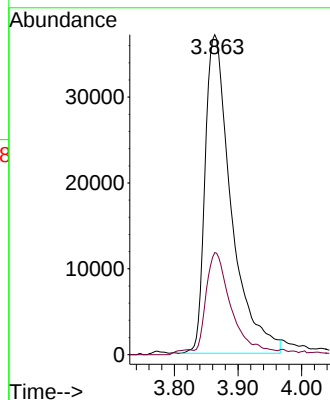
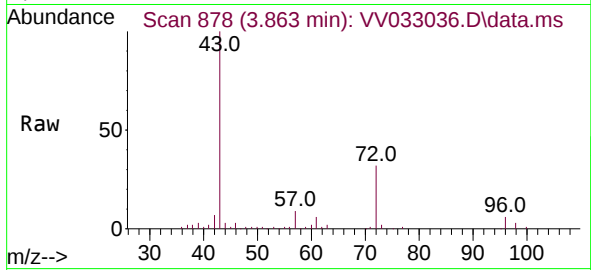




#22
2-Butanone
Concen: 77.568 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

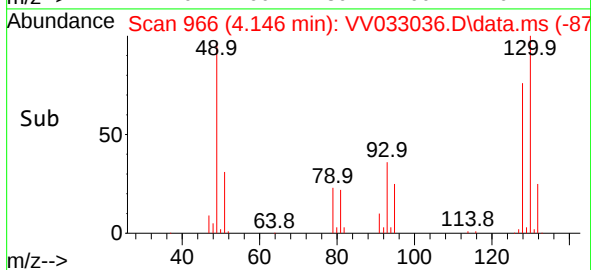
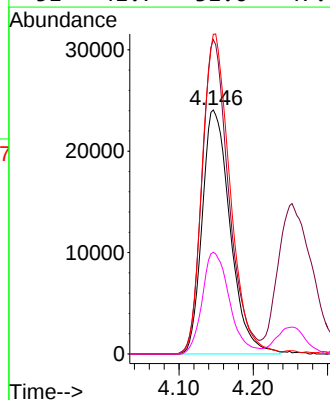
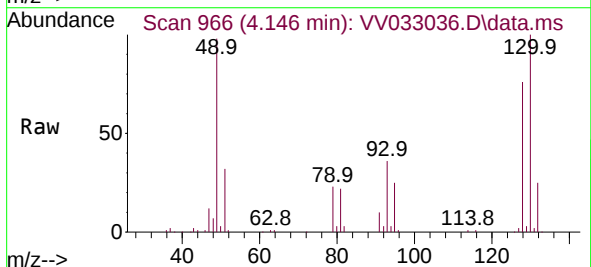
Instrument :
MSVOA_V
ClientSampleId :

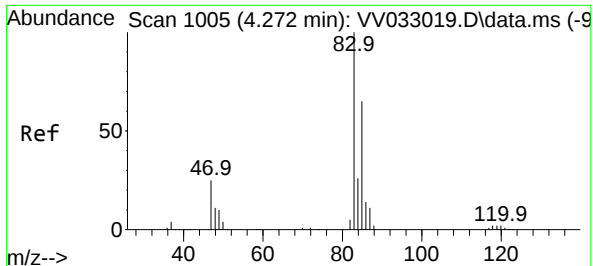
Tgt Ion: 43 Resp: 105823
Ion Ratio Lower Upper
43 100
72 27.2 13.9 41.7



#23
Bromochloromethane
Concen: 44.623 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion:128 Resp: 62848
Ion Ratio Lower Upper
128 100
49 128.8 87.1 161.7
130 131.0 88.1 163.5
51 41.7 31.6 47.4





#25

Chloroform

Concen: 45.288 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

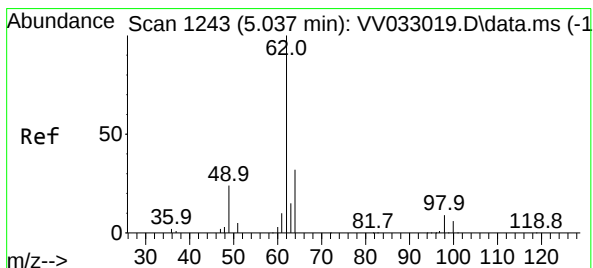
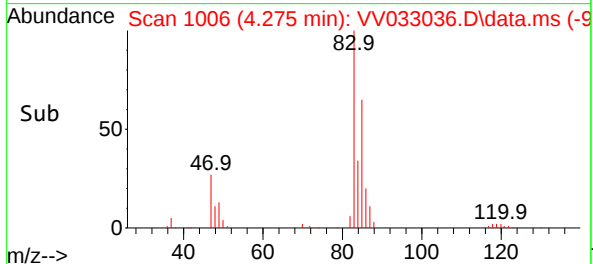
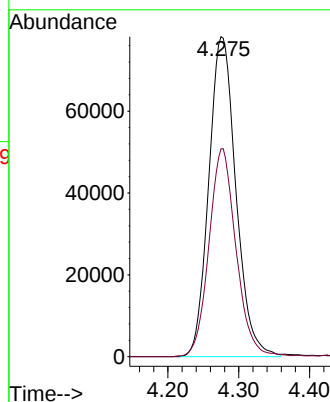
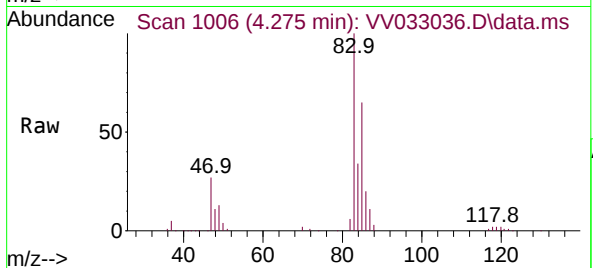
ClientSampleId :

Tgt Ion: 83 Resp: 207946

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 45.907 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033036.D

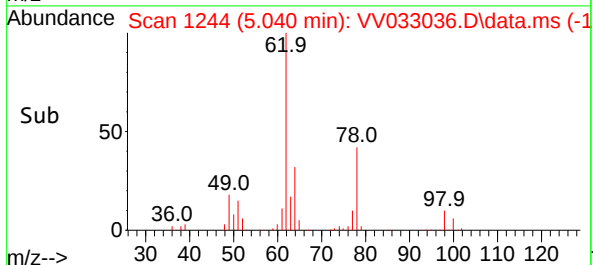
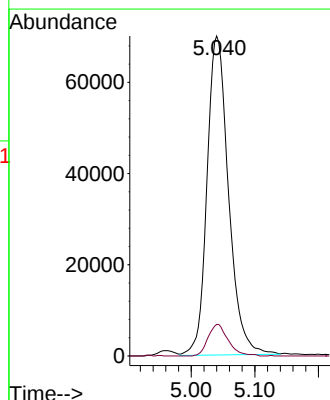
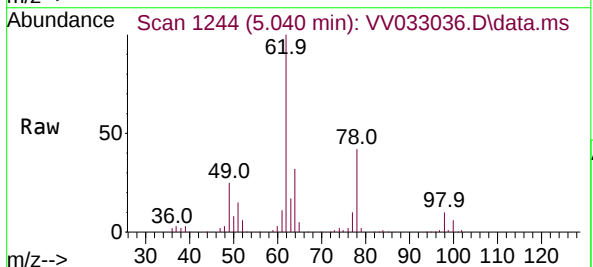
Acq: 20 Nov 2023 20:54

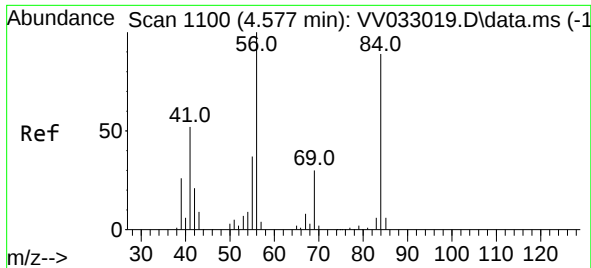
Tgt Ion: 62 Resp: 164440

Ion Ratio Lower Upper

62 100

98 9.9 8.3 12.5

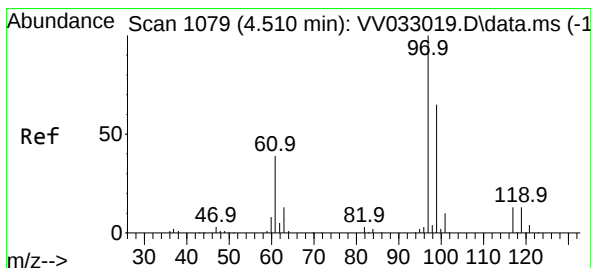
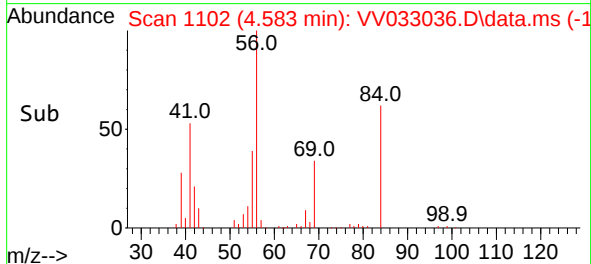
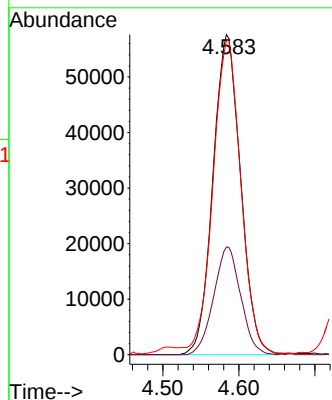
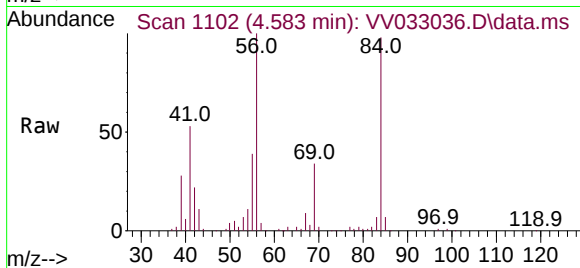




#29
Cyclohexane
Concen: 47.009 ug/L
RT: 4.583 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

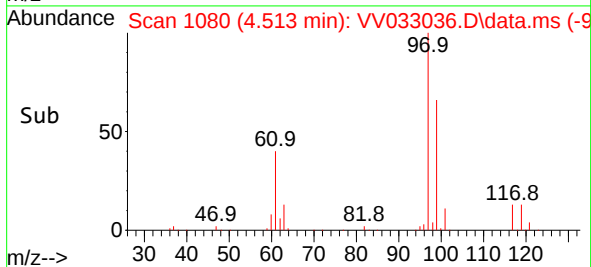
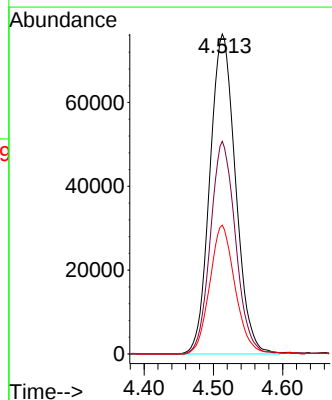
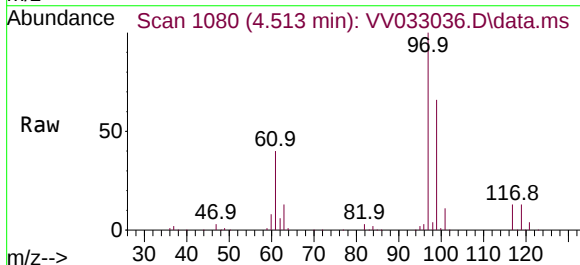
Instrument :
MSVOA_V
ClientSampleId :

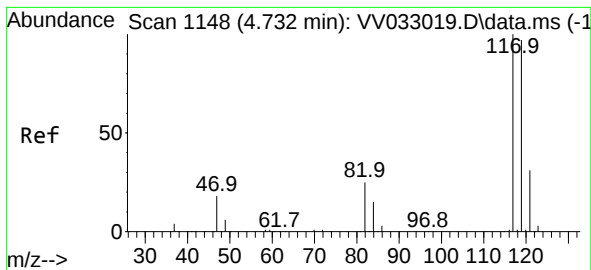
Tgt Ion: 56 Resp: 145497
Ion Ratio Lower Upper
56 100
69 32.8 26.7 40.1
84 98.4 78.1 117.1



#30
1,1,1-Trichloroethane
Concen: 46.904 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 97 Resp: 196528
Ion Ratio Lower Upper
97 100
99 65.1 51.2 76.8
61 39.6 32.1 48.1





#31

Carbon tetrachloride

Concen: 45.883 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

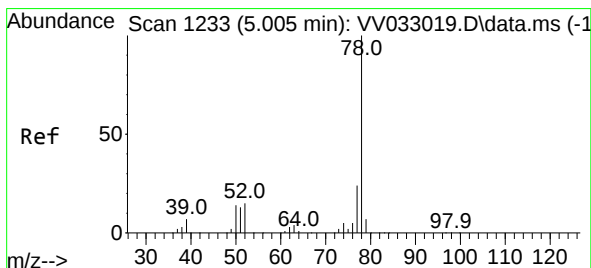
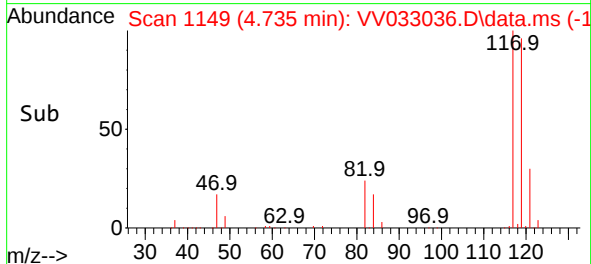
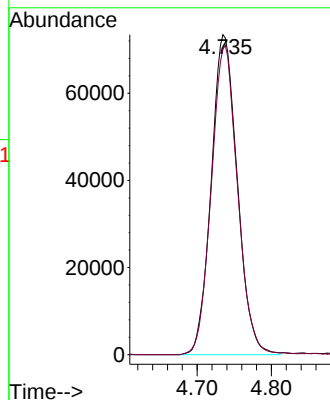
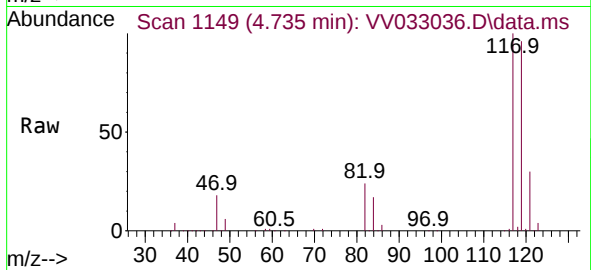
ClientSampleId :

Tgt Ion:117 Resp: 179155

Ion Ratio Lower Upper

117 100

119 97.0 76.5 114.7



#33

Benzene

Concen: 47.306 ug/L

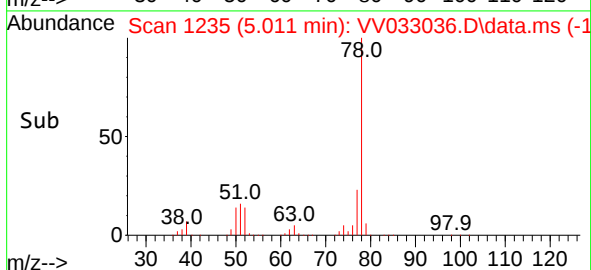
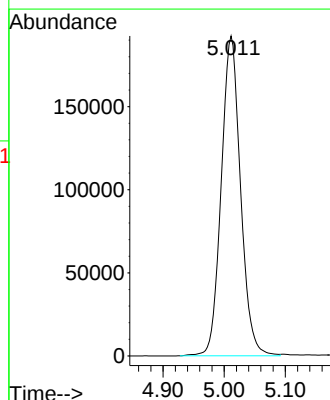
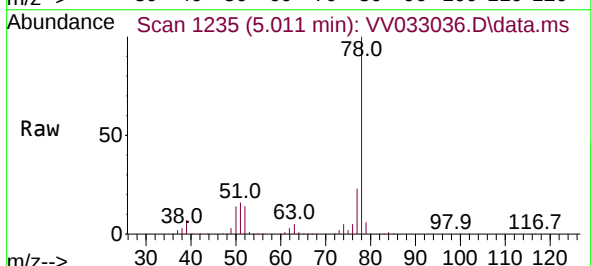
RT: 5.011 min Scan# 1235

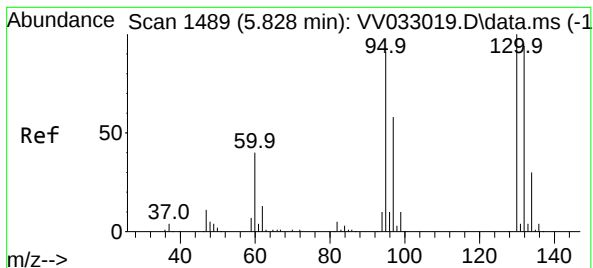
Delta R.T. 0.006 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Tgt Ion: 78 Resp: 422112





#34

Trichloroethene

Concen: 49.677 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 124942

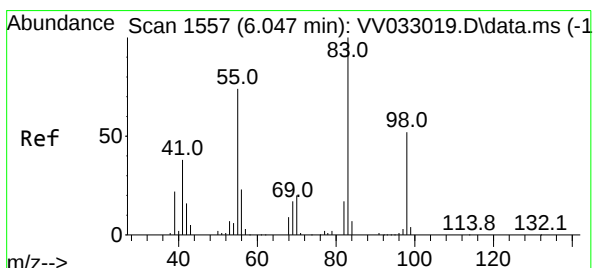
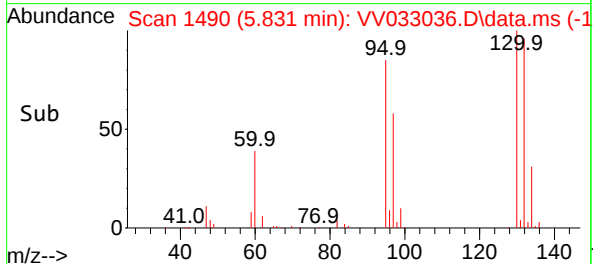
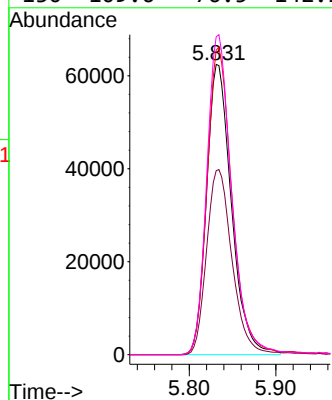
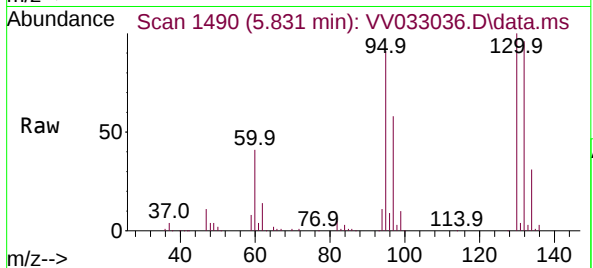
Ion Ratio Lower Upper

95 100

97 63.4 46.0 85.4

132 105.0 76.0 141.2

130 109.6 76.5 142.1



#35

Methylcyclohexane

Concen: 46.941 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

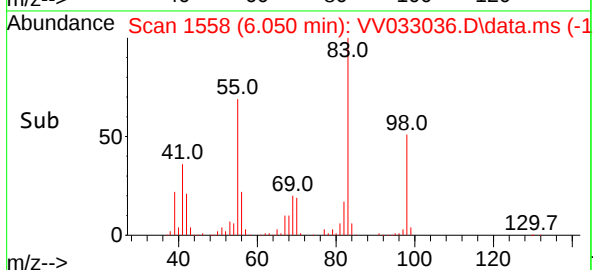
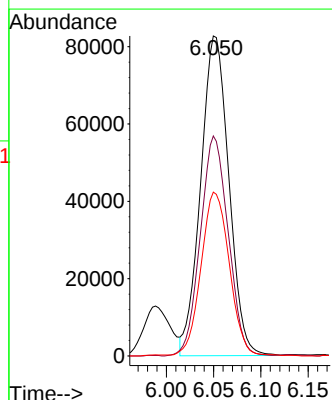
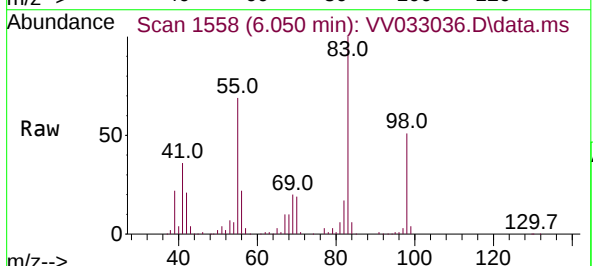
Tgt Ion: 83 Resp: 171598

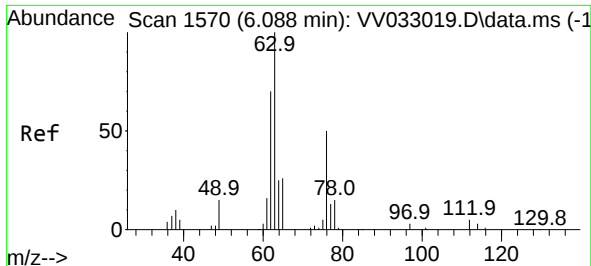
Ion Ratio Lower Upper

83 100

55 68.0 56.3 84.5

98 50.9 40.5 60.7





#37

1,2-Dichloropropane

Concen: 46.169 ug/L

RT: 6.091 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

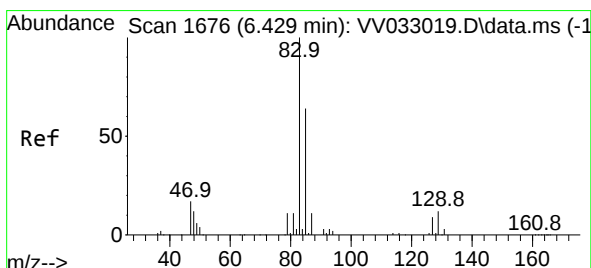
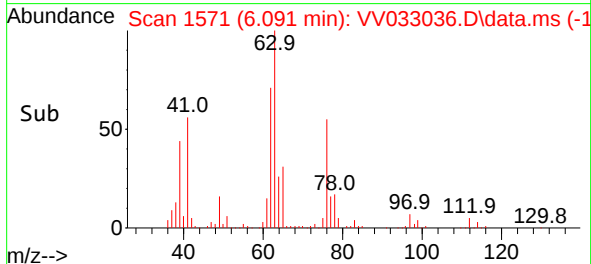
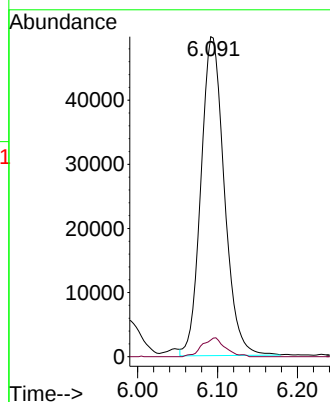
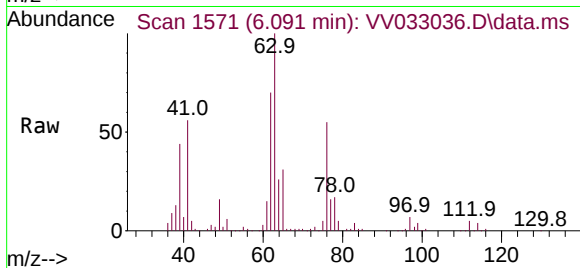
ClientSampleId :

Tgt Ion: 63 Resp: 101118

Ion Ratio Lower Upper

63 100

112 5.7 4.6 7.0



#38

Bromodichloromethane

Concen: 46.006 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

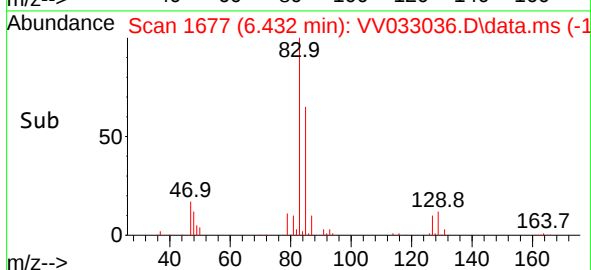
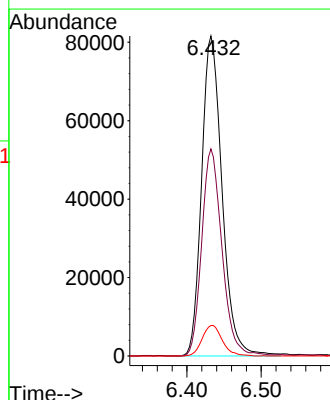
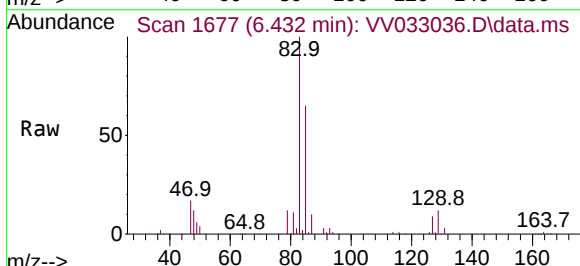
Tgt Ion: 83 Resp: 156558

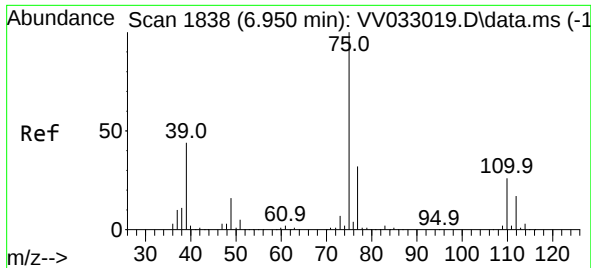
Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

127 9.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 46.584 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

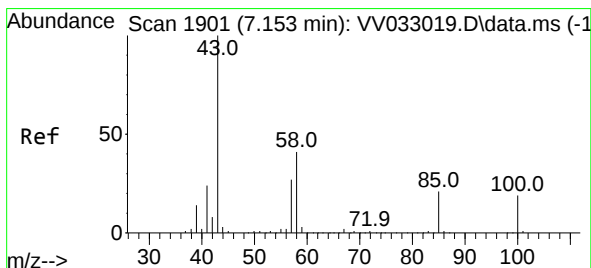
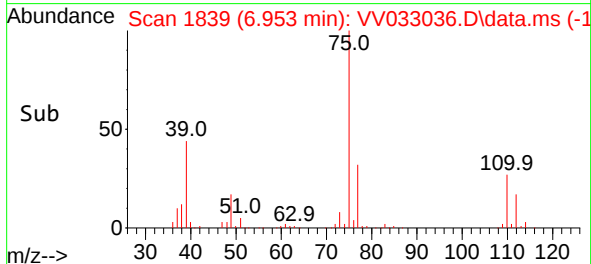
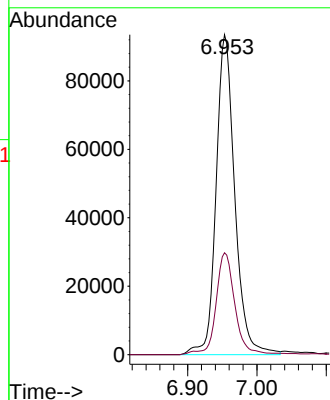
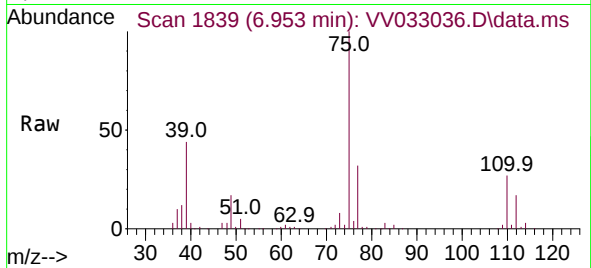
ClientSampleId :

Tgt Ion: 75 Resp: 175646

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 96.724 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

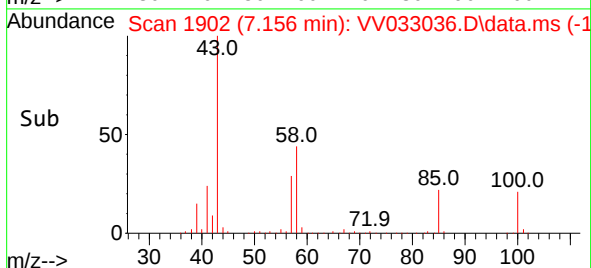
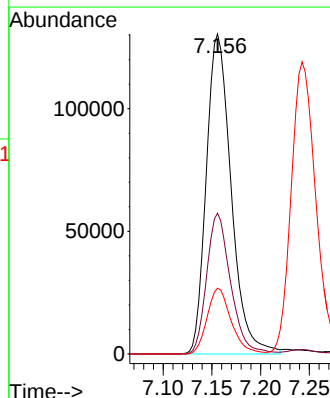
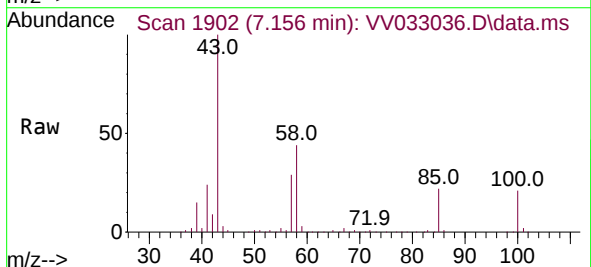
Tgt Ion: 43 Resp: 231718

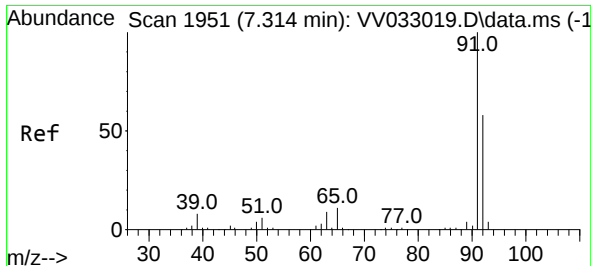
Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8

100 19.8 14.9 22.3





#42

Toluene

Concen: 47.333 ug/L

RT: 7.316 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

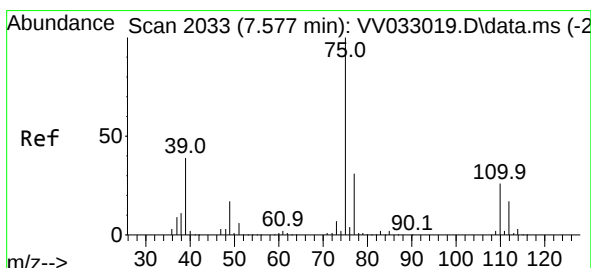
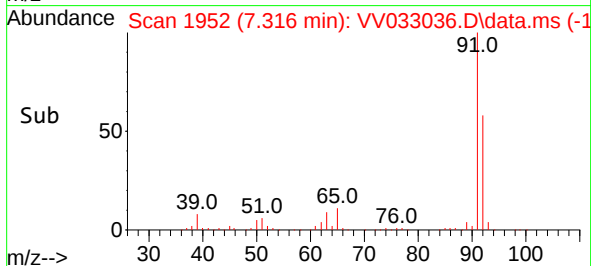
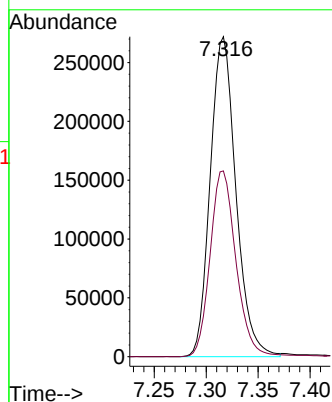
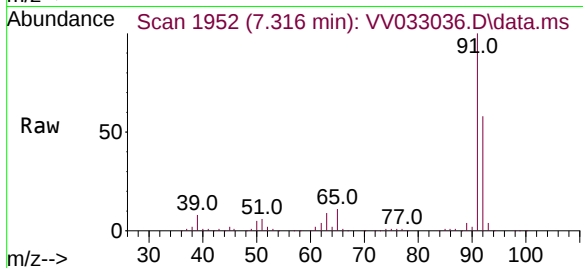
ClientSampleId :

Tgt Ion: 91 Resp: 467981

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 46.376 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033036.D

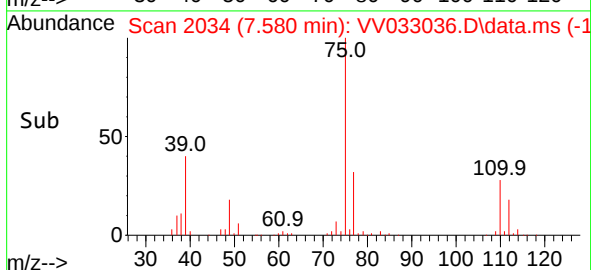
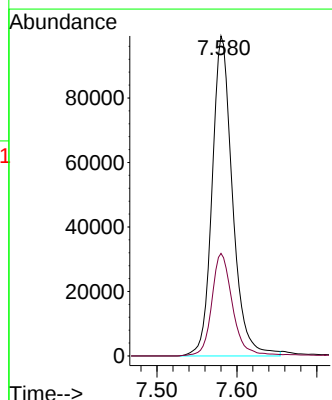
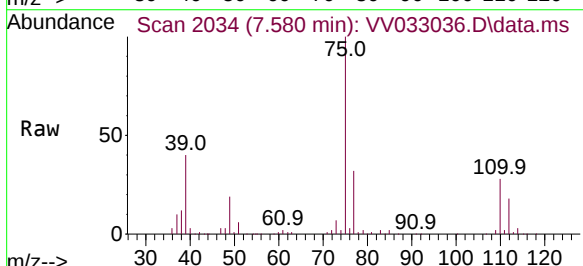
Acq: 20 Nov 2023 20:54

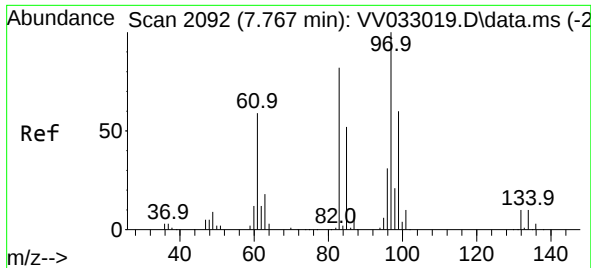
Tgt Ion: 75 Resp: 175714

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7

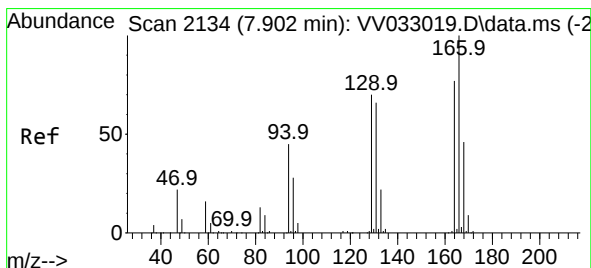
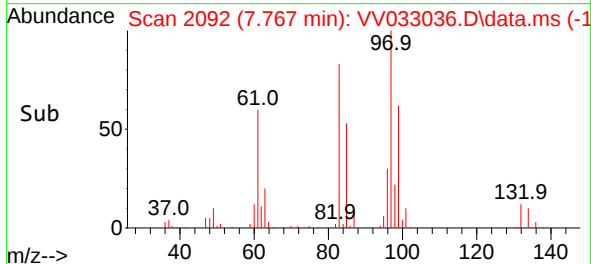
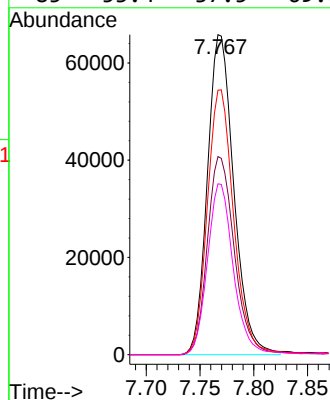
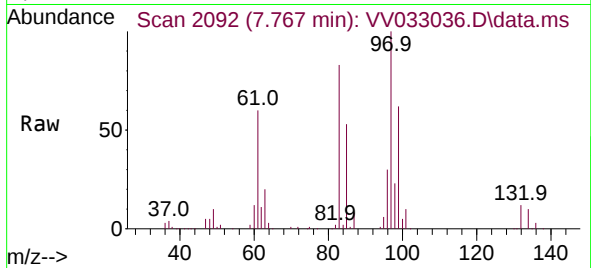




#45
1,1,2-Trichloroethane
Concen: 45.669 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

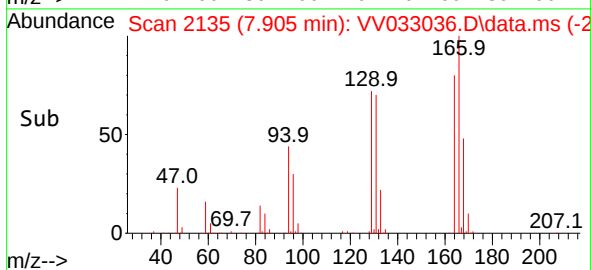
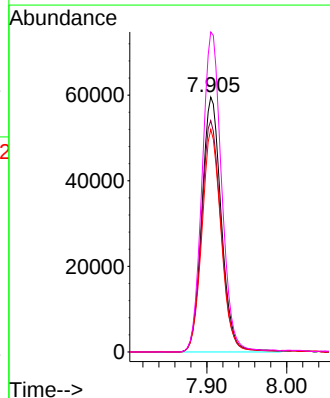
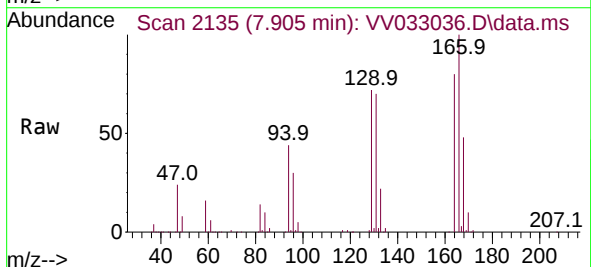
Instrument :
MSVOA_V
ClientSampleId :

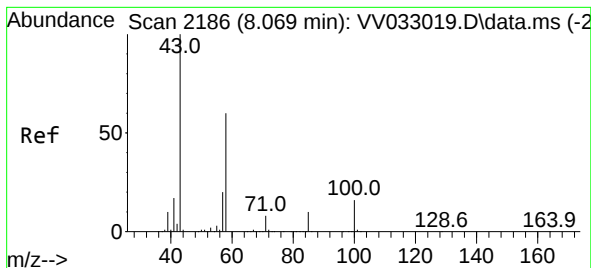
Tgt Ion: 97	Resp: 112645
Ion Ratio	Lower Upper
97 100	
99 61.9	43.5 80.9
83 82.6	55.6 103.2
85 53.4	37.5 69.6



#46
Tetrachloroethene
Concen: 46.021 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt	Ion:164	Resp:	100867
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.7	122.1
131	87.3	62.5	116.1
166	125.5	89.8	166.8





#48

2-Hexanone

Concen: 93.042 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

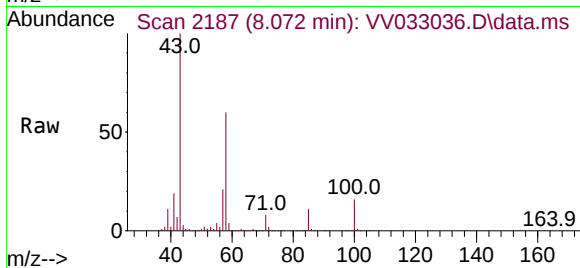
Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

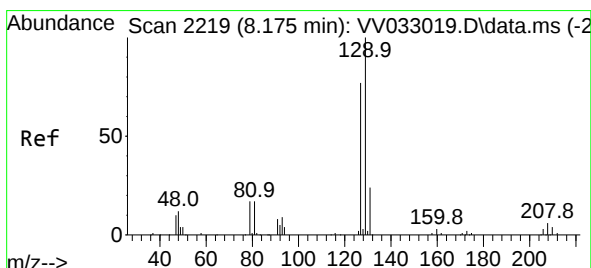
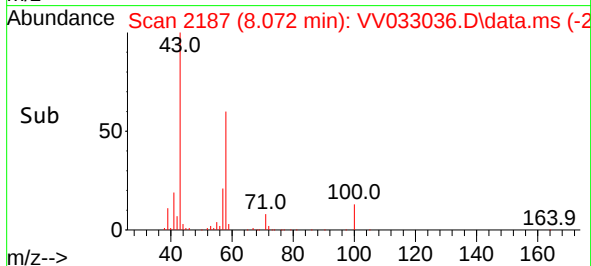
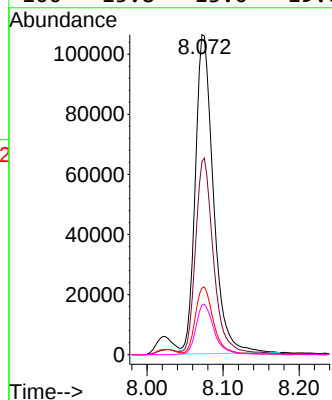
MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 176341

Ion	Ratio	Lower	Upper
43	100		
58	61.2	47.0	70.6
57	20.3	17.0	25.6
100	15.8	13.0	19.6



#49

Dibromochloromethane

Concen: 46.109 ug/L

RT: 8.175 min Scan# 2219

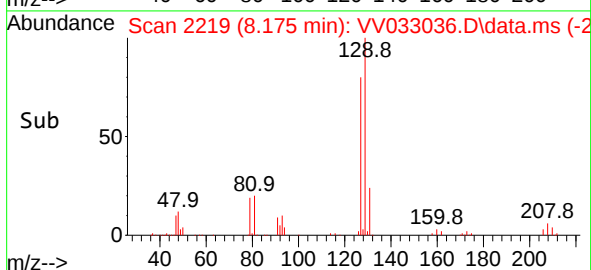
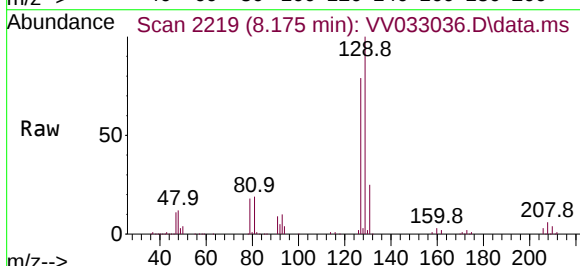
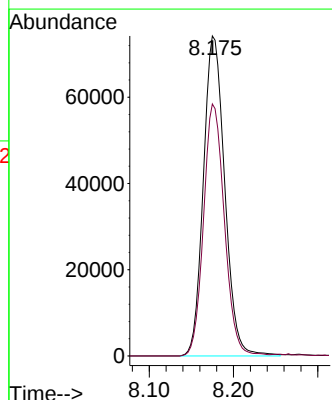
Delta R.T. -0.000 min

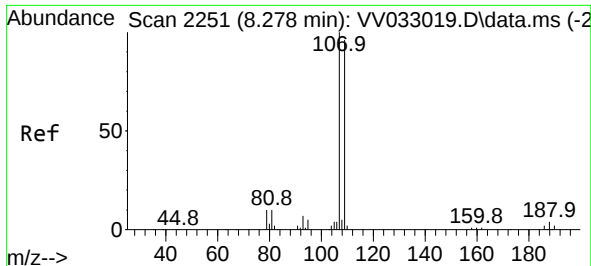
Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Tgt Ion: 129 Resp: 131077

Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.4	101.0





#50

1,2-Dibromoethane

Concen: 47.230 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

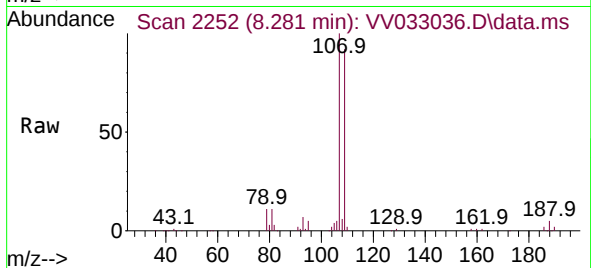
Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :



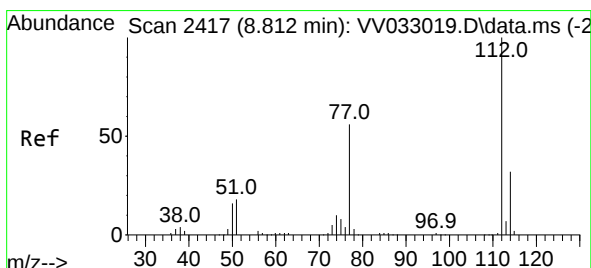
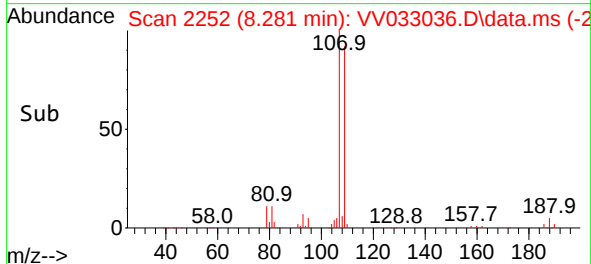
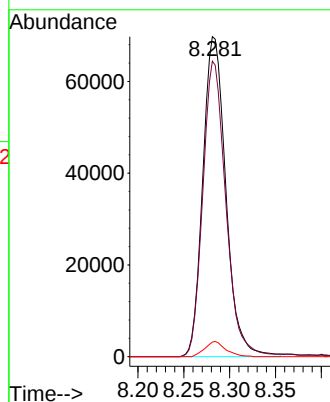
Tgt Ion:107 Resp: 122008

Ion Ratio Lower Upper

107 100

109 92.4 67.3 125.1

188 4.7 3.3 4.9



#51

Chlorobenzene

Concen: 45.146 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

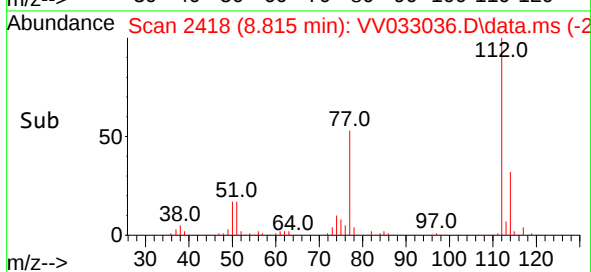
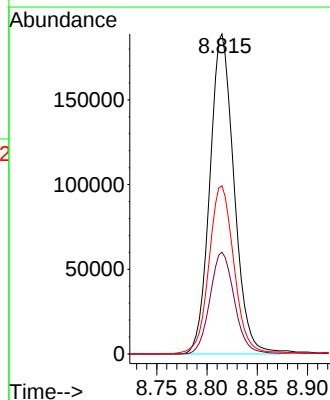
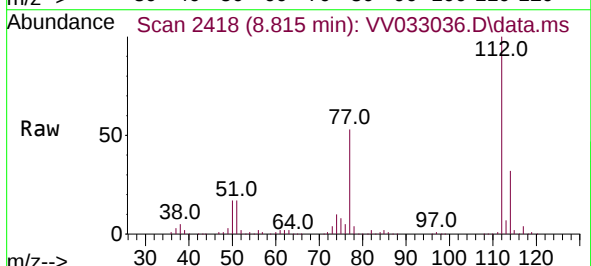
Tgt Ion:112 Resp: 316741

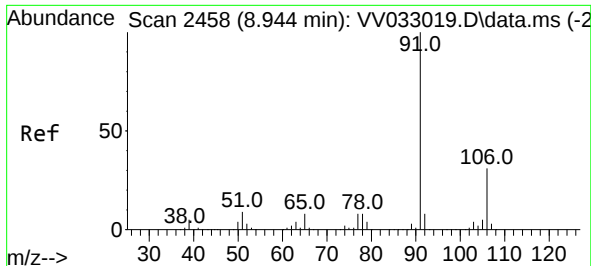
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 52.6 43.0 64.6

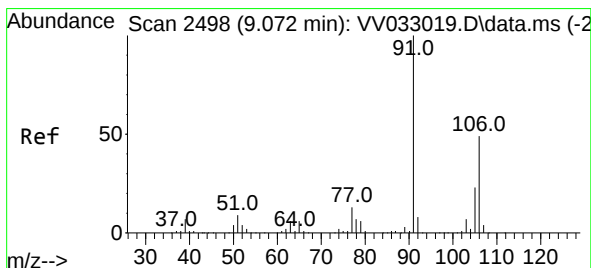
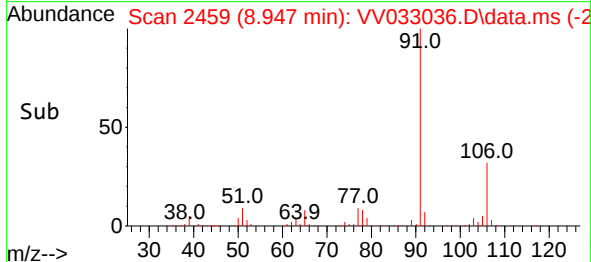
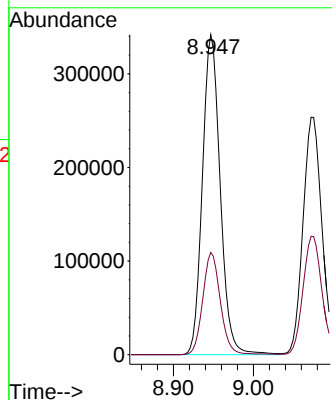
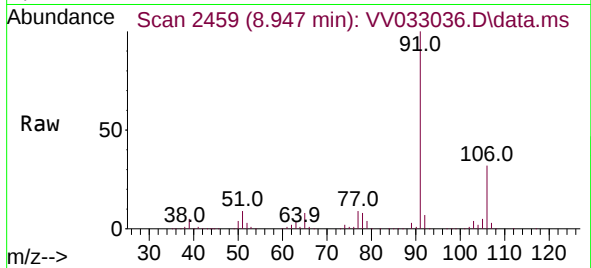




#52
Ethylbenzene
Concen: 46.706 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

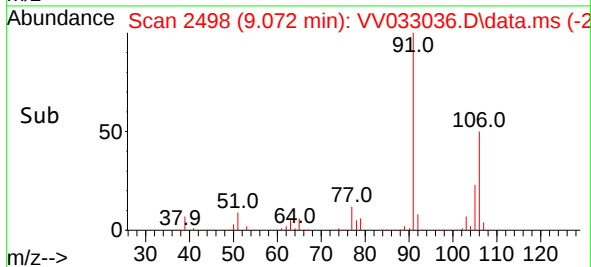
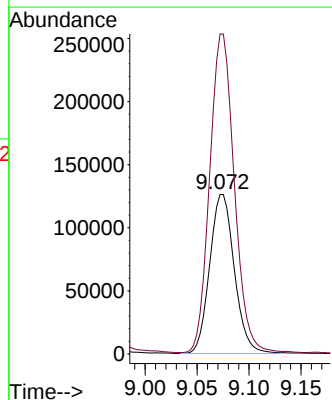
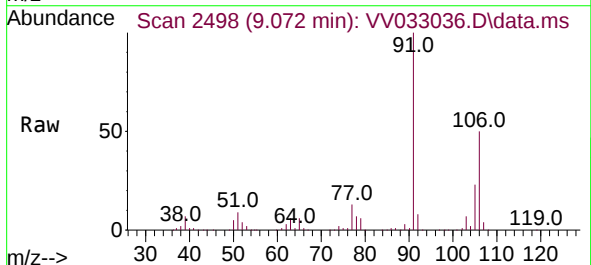
Instrument :
MSVOA_V
ClientSampleId :

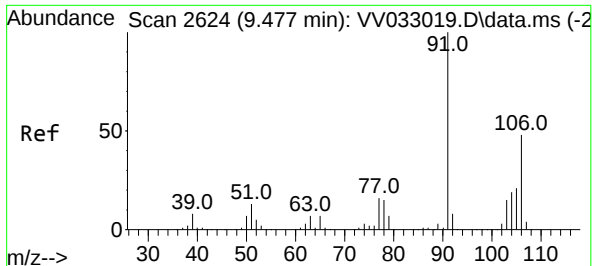
Tgt Ion: 91 Resp: 530115
Ion Ratio Lower Upper
91 100
106 31.9 22.1 41.1



#53
m,p-Xylene
Concen: 46.576 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 106 Resp: 207700
Ion Ratio Lower Upper
106 100
91 200.5 138.6 257.4





#54

o-Xylene

Concen: 47.673 ug/L

RT: 9.480 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

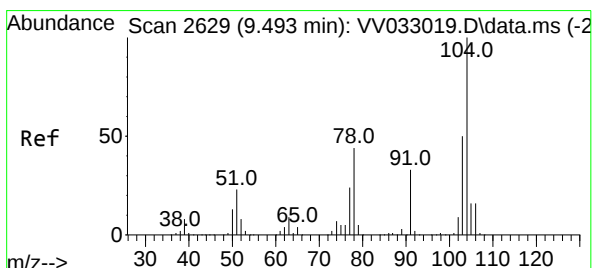
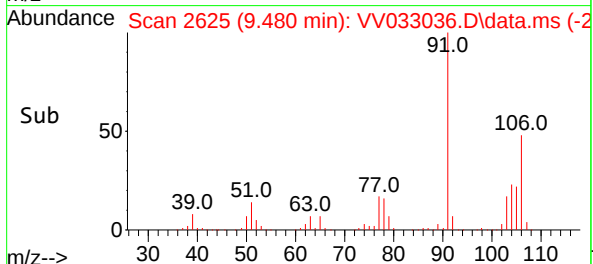
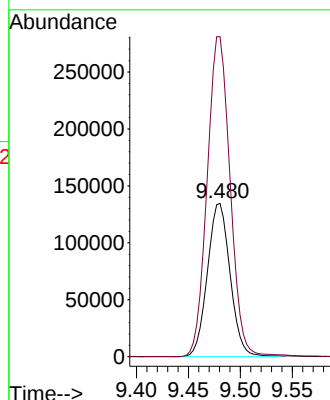
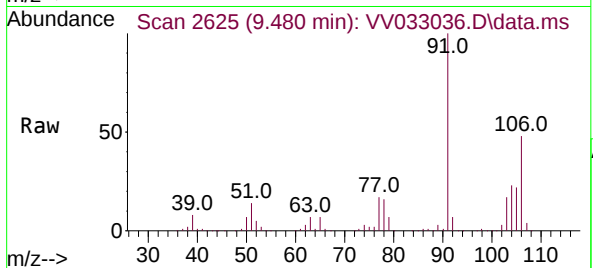
ClientSampleId :

Tgt Ion:106 Resp: 204638

Ion Ratio Lower Upper

106 100

91 208.7 147.3 273.5



#55

Styrene

Concen: 48.264 ug/L

RT: 9.496 min Scan# 2630

Delta R.T. 0.003 min

Lab File: VV033036.D

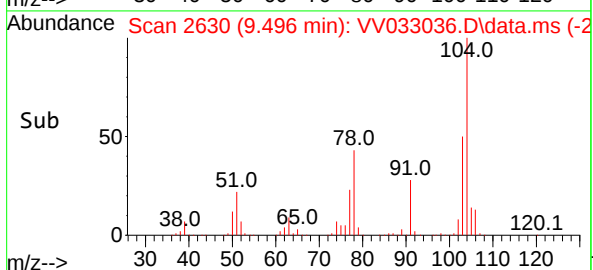
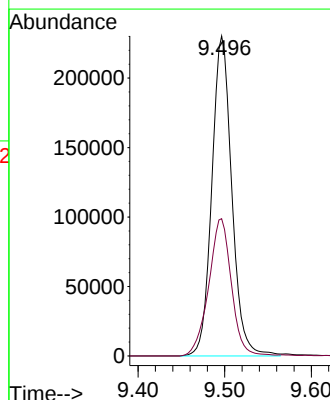
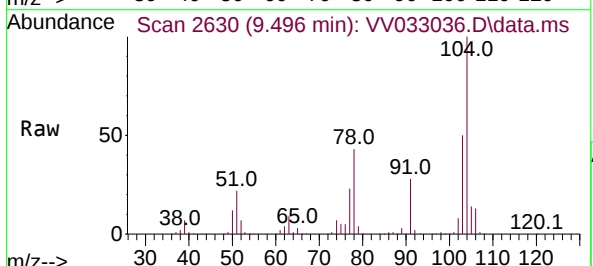
Acq: 20 Nov 2023 20:54

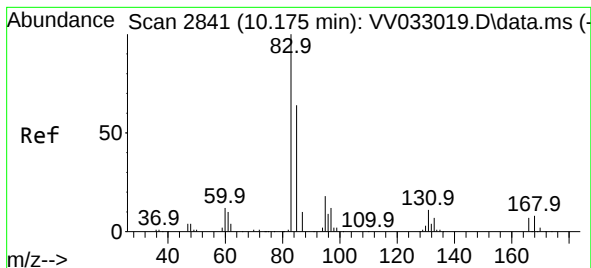
Tgt Ion:104 Resp: 369571

Ion Ratio Lower Upper

104 100

78 42.9 30.2 56.2

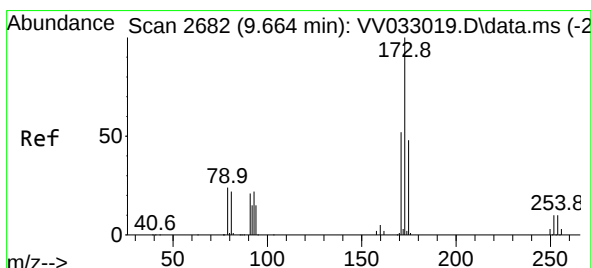
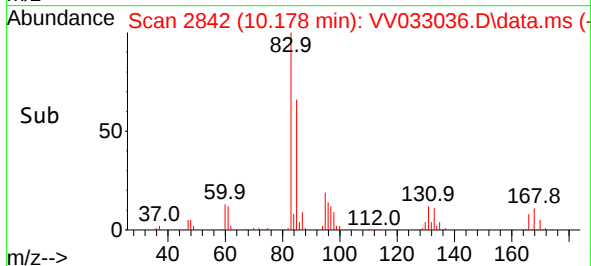
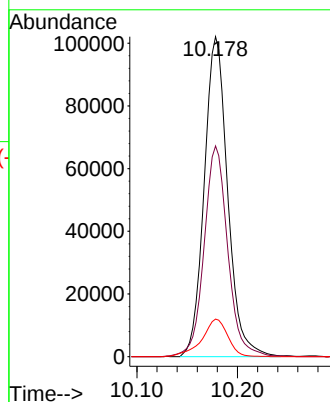
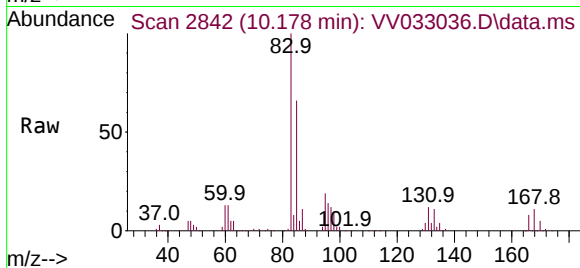




#57
1,1,2,2-Tetrachloroethane
Concen: 47.557 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

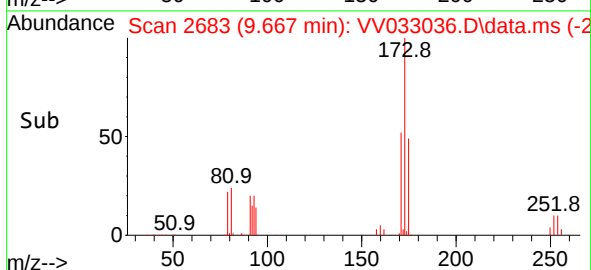
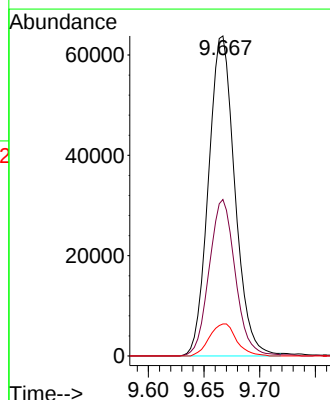
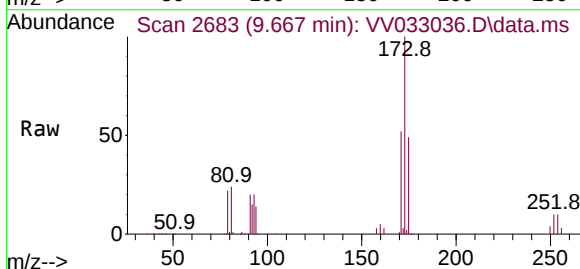
Instrument :
MSVOA_V
ClientSampleId :

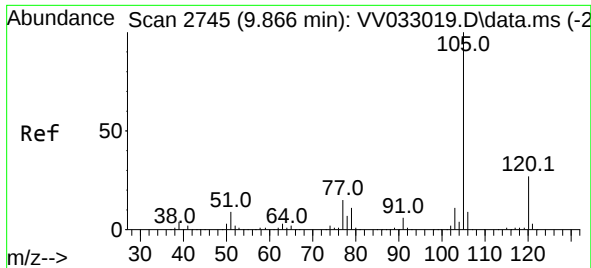
Tgt Ion: 83 Resp: 165708
Ion Ratio Lower Upper
83 100
85 65.8 45.8 85.2
131 11.8 9.4 14.0



#59
Bromoform
Concen: 45.714 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 173 Resp: 105092
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 10.3 7.9 11.9

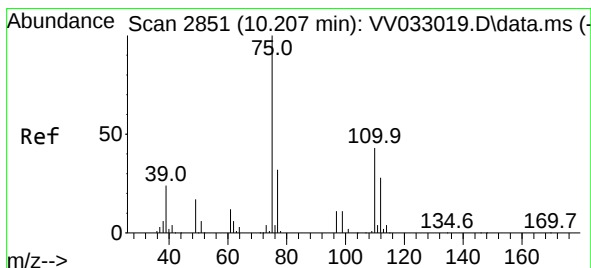
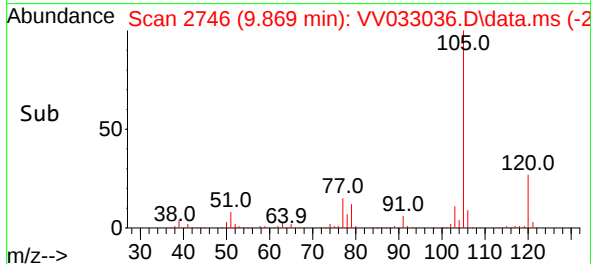
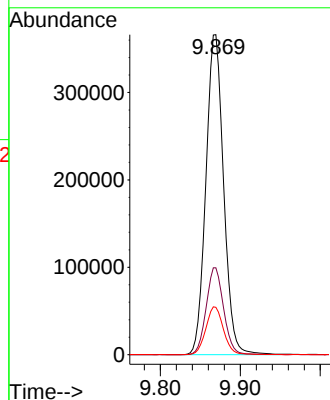
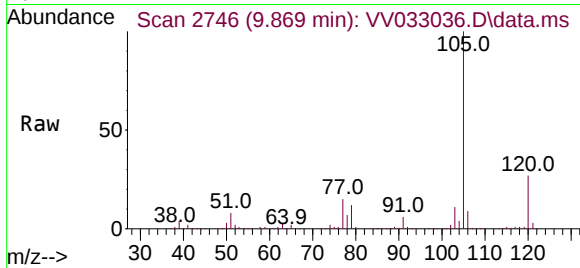




#60
Isopropylbenzene
Concen: 47.282 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

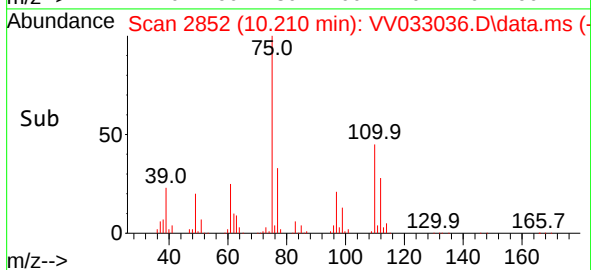
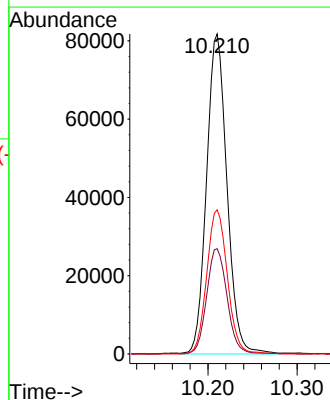
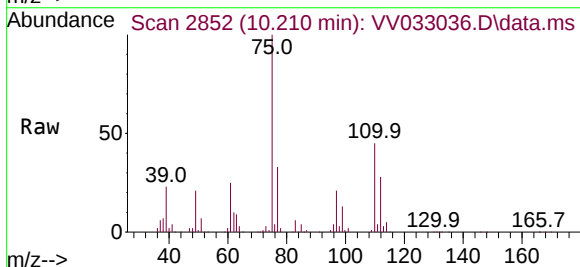
Instrument :
MSVOA_V
ClientSampleId :

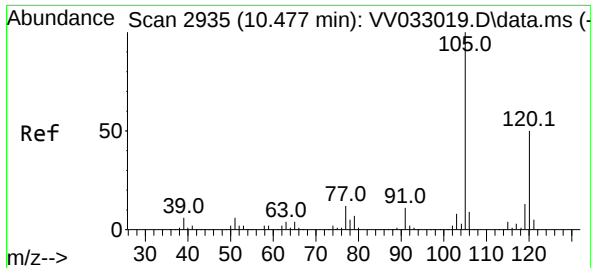
Tgt Ion:105 Resp: 565418
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 14.8 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 45.668 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion: 75 Resp: 129957
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.2
110 45.6 36.2 54.4

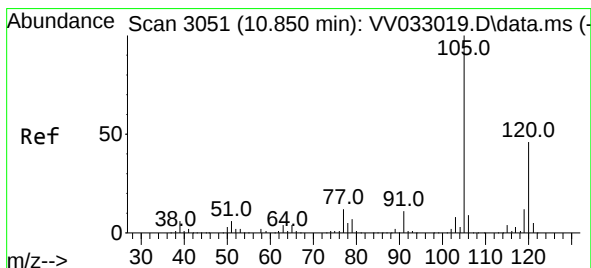
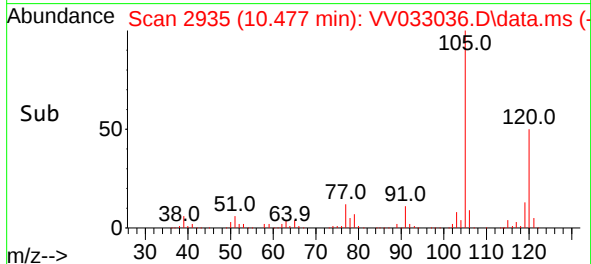
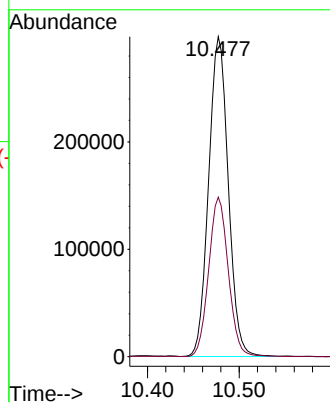
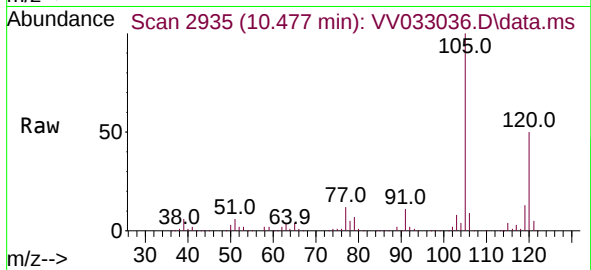




#62
1,3,5-Trimethylbenzene
Concen: 46.235 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

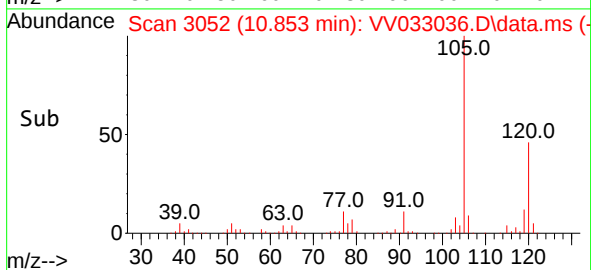
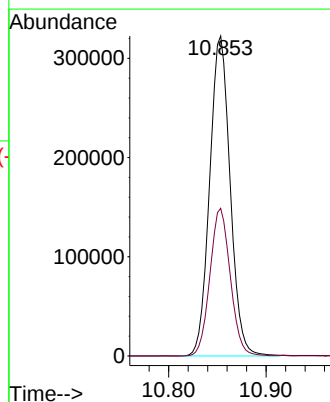
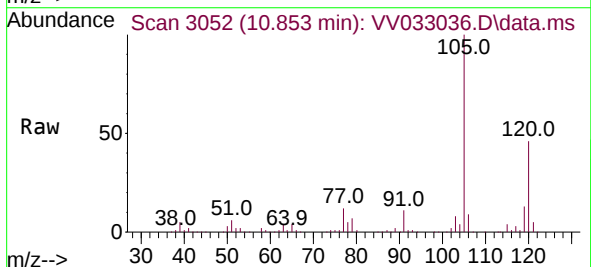
Instrument :
MSVOA_V
ClientSampleId :

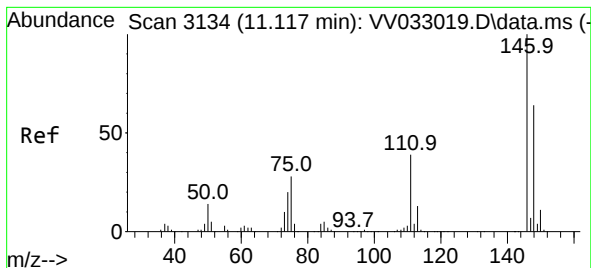
Tgt Ion:105 Resp: 443601
Ion Ratio Lower Upper
105 100
120 50.0 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 46.877 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion:105 Resp: 471167
Ion Ratio Lower Upper
105 100
120 45.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 44.900 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :

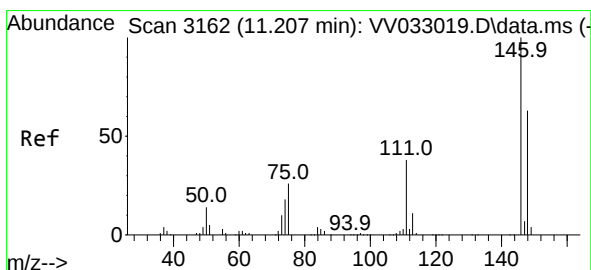
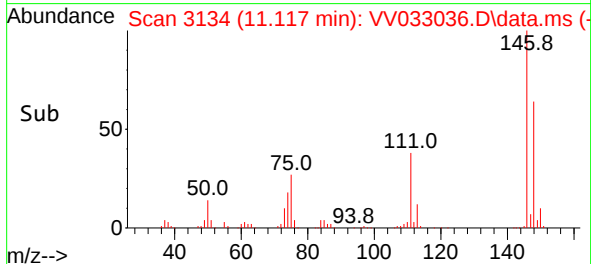
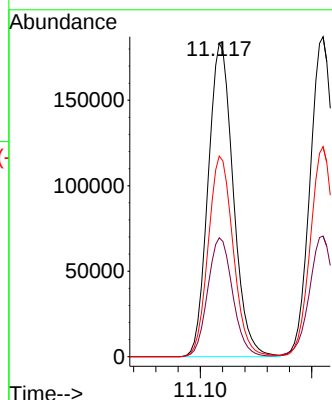
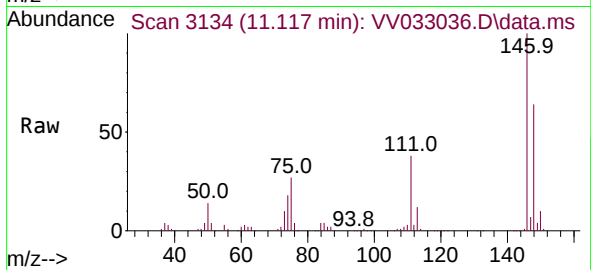
Tgt Ion:146 Resp: 287665

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.1

148 64.0 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 43.244 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

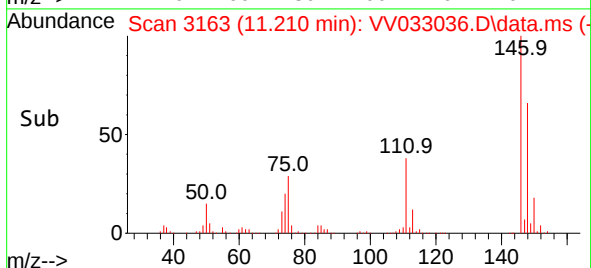
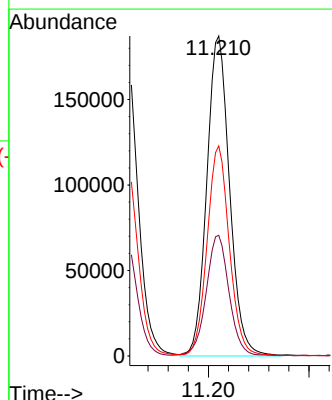
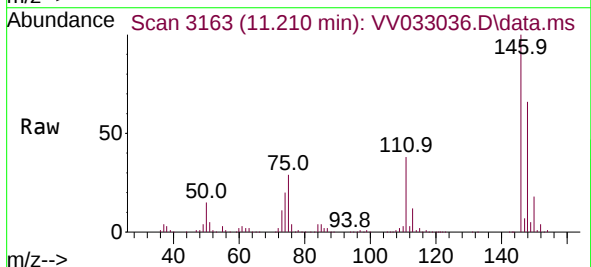
Tgt Ion:146 Resp: 294497

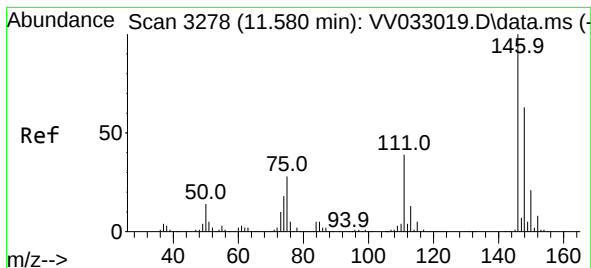
Ion Ratio Lower Upper

146 100

111 37.7 25.1 46.7

148 65.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 44.593 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :

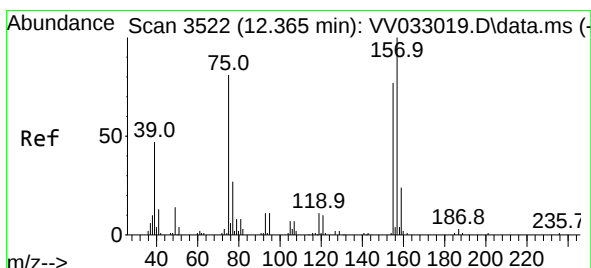
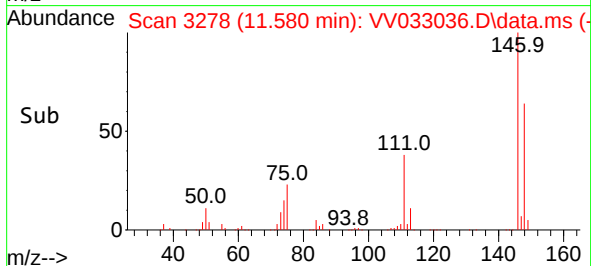
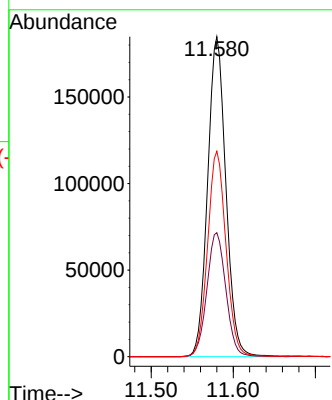
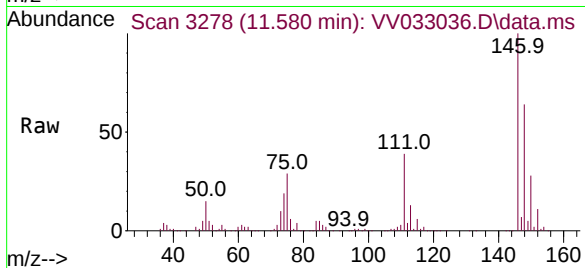
Tgt Ion:146 Resp: 286681

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

148 64.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.886 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

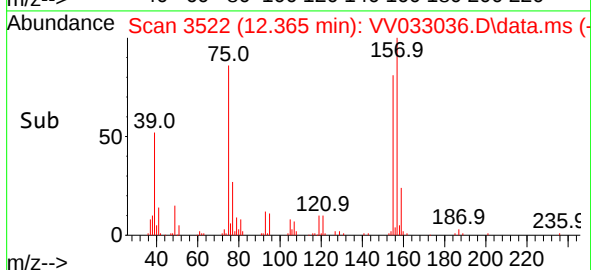
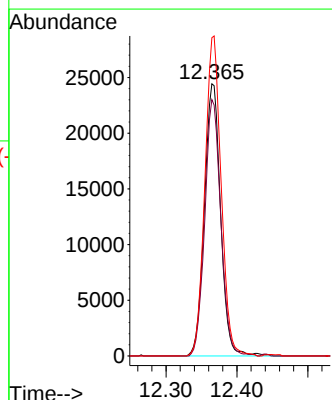
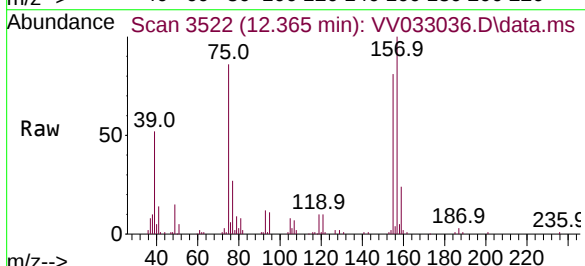
Tgt Ion: 75 Resp: 38814

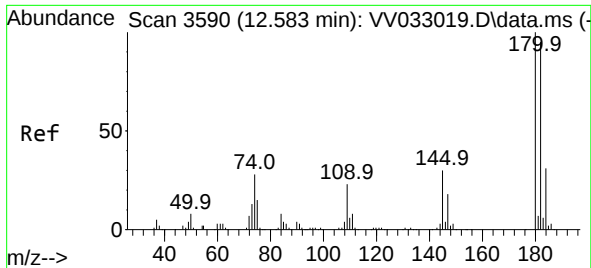
Ion Ratio Lower Upper

75 100

155 94.1 79.8 119.8

157 116.9 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 42.759 ug/L

RT: 12.583 min Scan# 31

Delta R.T. -0.000 min

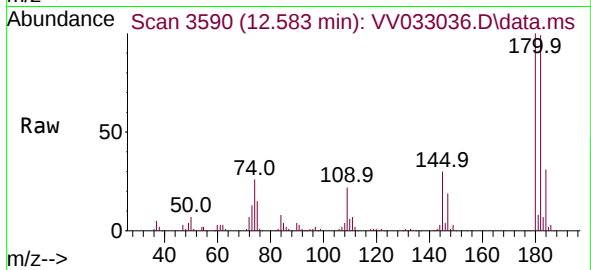
Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 212982

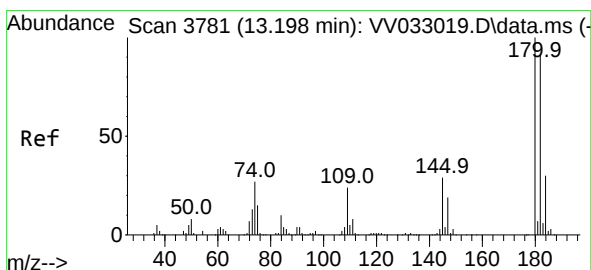
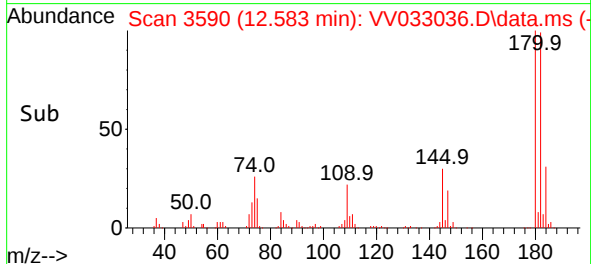
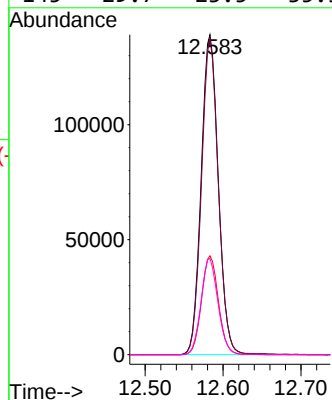
Ion Ratio Lower Upper

180 100

182 96.5 76.6 115.0

184 30.4 24.5 36.7

145 29.7 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 42.952 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

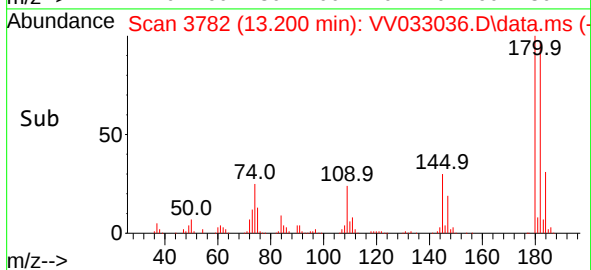
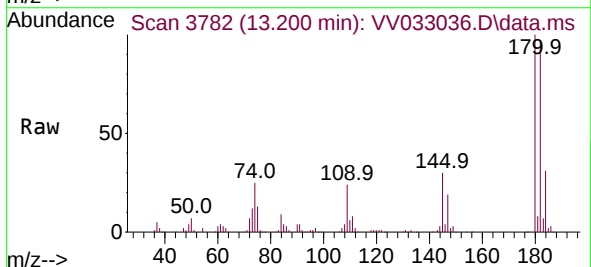
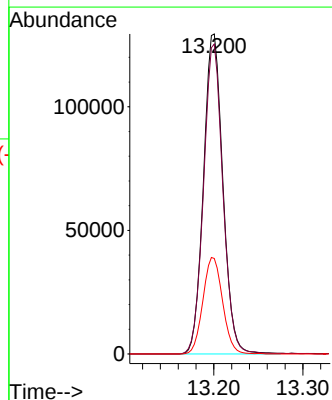
Tgt Ion:180 Resp: 196065

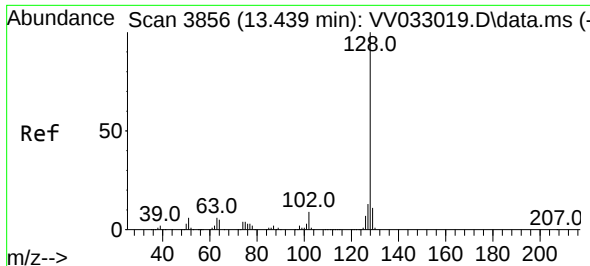
Ion Ratio Lower Upper

180 100

182 96.4 76.8 115.2

145 30.5 23.2 34.8

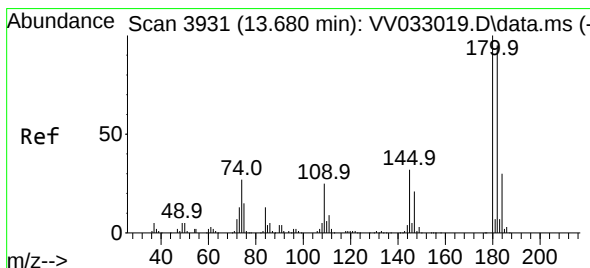
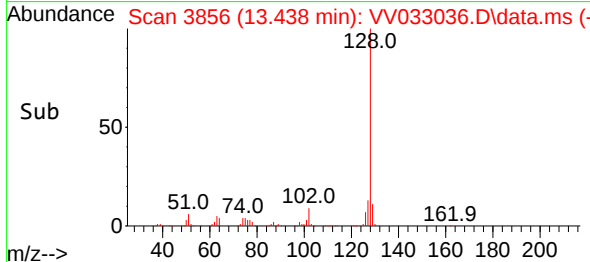
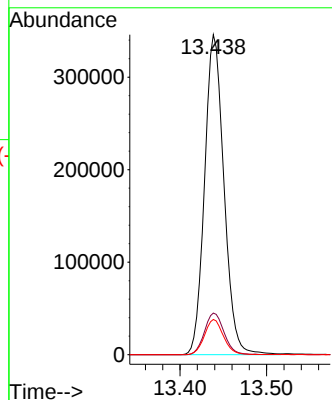
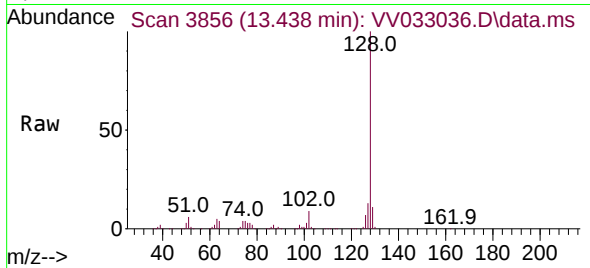




#71
Naphthalene
Concen: 47.640 ug/L
RT: 13.438 min Scan# 3856
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 537876
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 46.046 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033036.D
Acq: 20 Nov 2023 20:54

Tgt Ion:180 Resp: 203789
Ion Ratio Lower Upper
180 100
182 94.7 76.6 114.8
145 31.9 25.5 38.3

