

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012523\
 Data File : VW029956.D
 Acq On : 25 Jan 2023 20:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

Quant Time: Jan 25 22:17:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 22:12:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	241184	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	233833	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	130406	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	104937	5.736	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.800%
7) Chloroethane-d5	1.564	69	95655	6.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.200%
11) 1,1-Dichloroethene-d2	2.105	63	183749	5.510	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.200%
20) 2-Butanone-d5	3.886	46	179207	55.270	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.540%
24) Chloroform-d	4.339	84	174799	5.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.024	65	74582	5.248	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.043	84	359453	5.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.059	67	109694	5.404	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.307	98	333310	5.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
43) trans-1,3-Dichloroprop...	7.612	79	32567	4.393	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.085	63	155560	51.539	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.080%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	79061	5.315	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	111949	4.722	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	101178	4.507	ug/L	99
3) Chloromethane	1.240	50	114704	4.855	ug/L	99
5) Vinyl chloride	1.310	62	126544	5.463	ug/L	99
6) Bromomethane	1.519	94	49658	4.403	ug/L	99
8) Chloroethane	1.584	64	82679	5.882	ug/L	98
9) Trichlorofluoromethane	1.751	101	148509	4.894	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	91328	5.109	ug/L	95
12) 1,1-Dichloroethene	2.114	96	89521	4.347	ug/L #	77
13) Acetone	2.179	43	127671	55.168	ug/L	94
14) Carbon disulfide	2.291	76	248879	4.198	ug/L	100
15) Methyl Acetate	2.433	43	28307	4.697	ug/L	98
16) Methylene chloride	2.500	84	119714	4.679	ug/L	89
17) Methyl tert-butyl Ether	2.764	73	170474	4.787	ug/L	96
18) trans-1,2-Dichloroethene	2.754	96	90521	4.728	ug/L	93
19) 1,1-Dichloroethane	3.182	63	174022	5.434	ug/L	98
21) 2-Butanone	3.969	43	186965	56.394	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	94232	4.619	ug/L	88
23) Bromochloromethane	4.240	128	41735	4.954	ug/L #	80
25) Chloroform	4.365	83	170735	4.904	ug/L	98

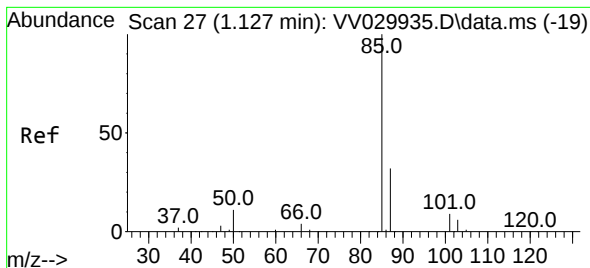
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Quant Time: Jan 25 22:17:20 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 22:12:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	89569	5.296	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	141716	4.667	ug/L	97
30) Cyclohexane	4.670	56	136006	4.731	ug/L	95
31) Carbon tetrachloride	4.822	117	119742	4.532	ug/L	99
33) Benzene	5.092	78	391787	5.068	ug/L	100
34) Trichloroethene	5.908	95	90663	4.627	ug/L	98
35) Methylcyclohexane	6.124	83	146353	4.424	ug/L	96
37) 1,2-Dichloropropane	6.166	63	100131	5.531	ug/L	99
38) Bromodichloromethane	6.500	83	117044	4.998	ug/L	97
39) cis-1,3-Dichloropropene	7.021	75	115165	4.743	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	454893	58.875	ug/L	95
42) Toluene	7.378	91	414431	4.970	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	92117	4.708	ug/L	97
45) 1,1,2-Trichloroethane	7.831	97	64313	4.930	ug/L	95
47) Tetrachloroethene	7.966	164	74576	4.521	ug/L	100
48) 2-Hexanone	8.133	43	337820	61.171	ug/L	95
49) Dibromochloromethane	8.236	129	71844	4.693	ug/L	98
50) 1,2-Dibromoethane	8.342	107	56981	5.032	ug/L	99
51) Chlorobenzene	8.873	112	253202	4.782	ug/L	100
52) Ethylbenzene	9.001	91	410562	4.705	ug/L	98
53) m,p-Xylene	9.130	106	161824	4.685	ug/L	100
54) o-Xylene	9.532	106	152297	4.646	ug/L	100
55) Styrene	9.551	104	277768	4.927	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	80782	5.575	ug/L	97
59) Bromoform	9.722	173	36613	4.335	ug/L	100
60) Isopropylbenzene	9.921	105	409530	4.913	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	53125	5.502	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	326887	4.576	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	333864	4.687	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	202831	4.792	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	202132	4.790	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	185569	4.877	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	10819	4.738	ug/L	91
69) 1,3,5-Trichlorobenzene	12.632	180	154512	4.535	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	118399	4.447	ug/L	99
71) Naphthalene	13.490	128	152365	4.417	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	101982	4.615	ug/L	98

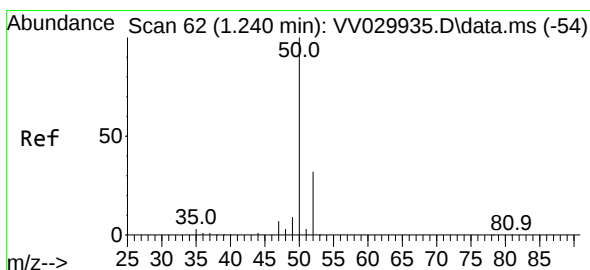
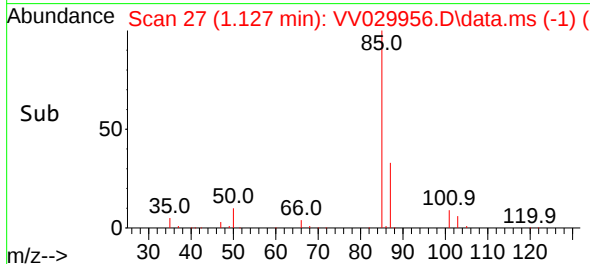
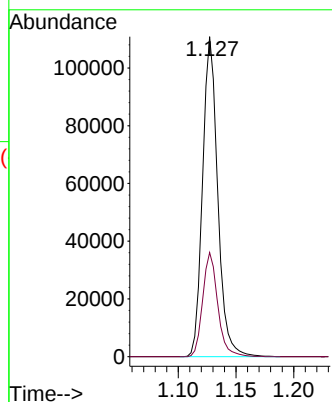
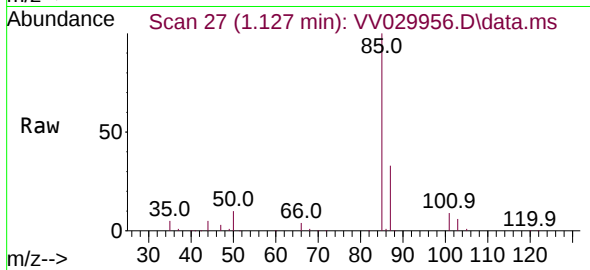
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.507 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

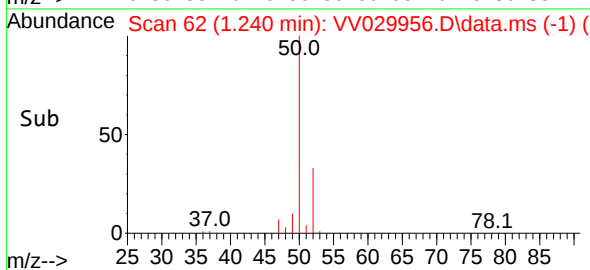
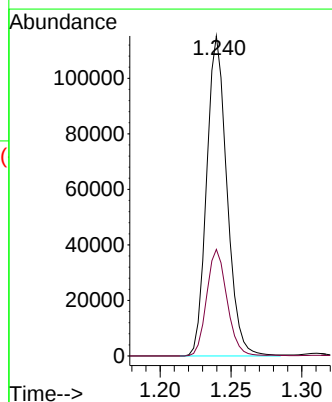
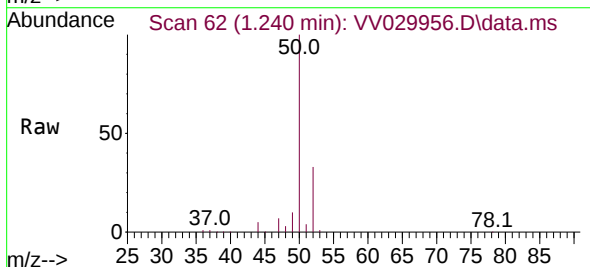
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

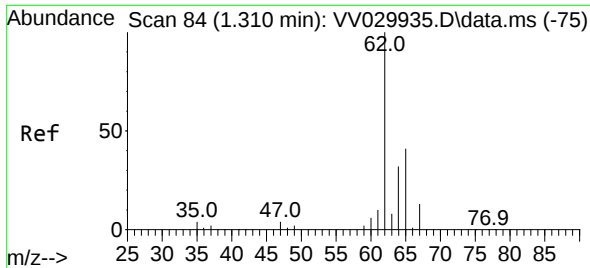
Tgt Ion: 85 Resp: 101178
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.5 39.7



#3
 Chloromethane
 Concen: 4.855 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

Tgt Ion: 50 Resp: 114704
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.1 42.9

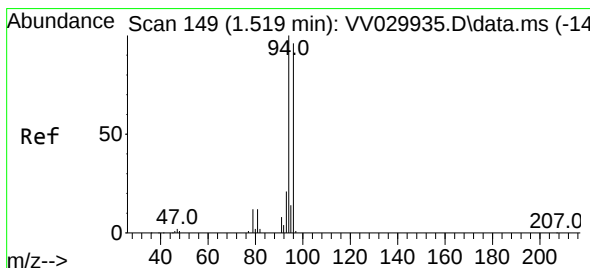
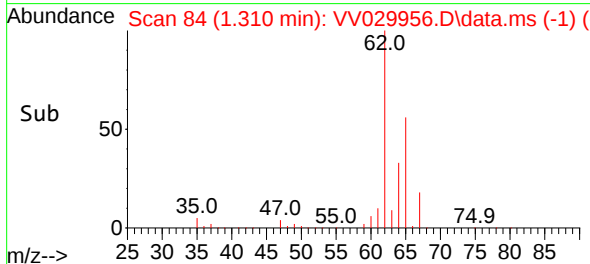
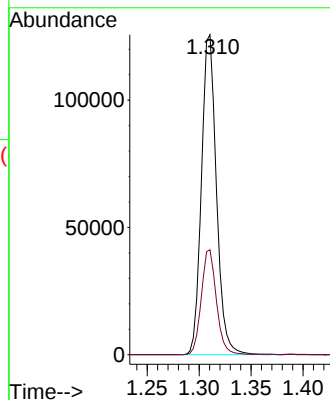
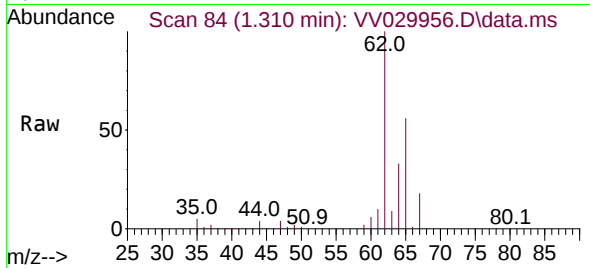




#5
 Vinyl chloride
 Concen: 5.463 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

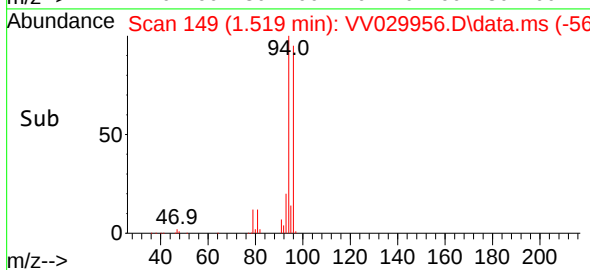
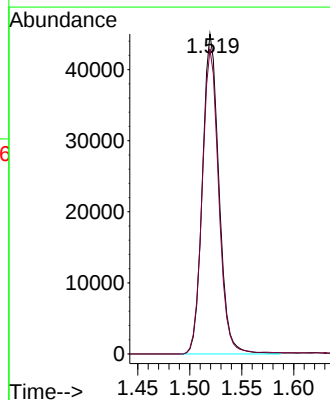
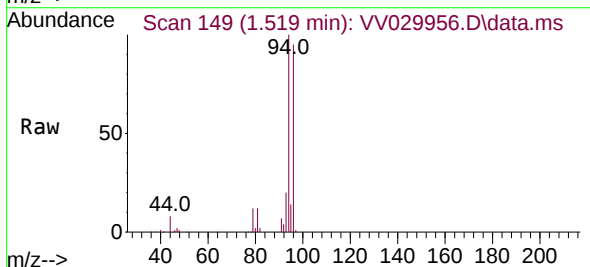
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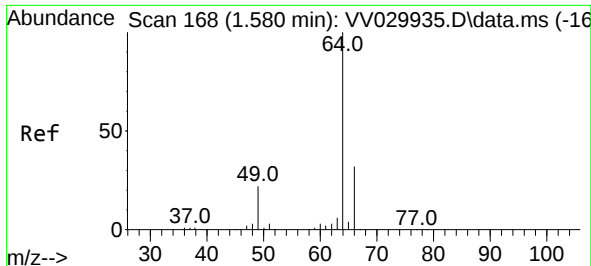
Tgt Ion: 62 Resp: 126544
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.2



#6
 Bromomethane
 Concen: 4.403 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

Tgt Ion: 94 Resp: 49658
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.9 122.5

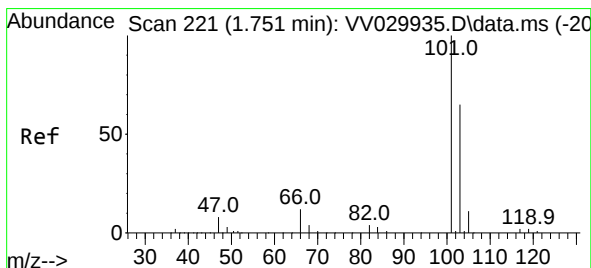
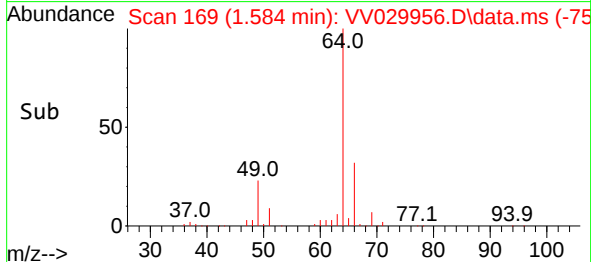
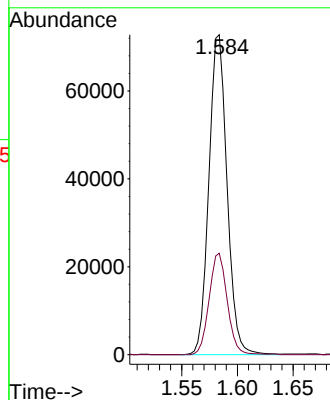
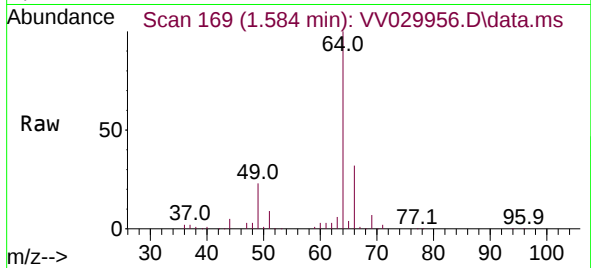




#8
Chloroethane
Concen: 5.882 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

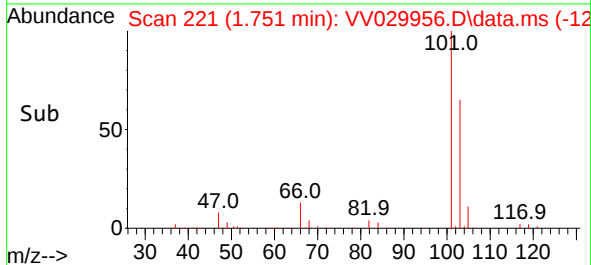
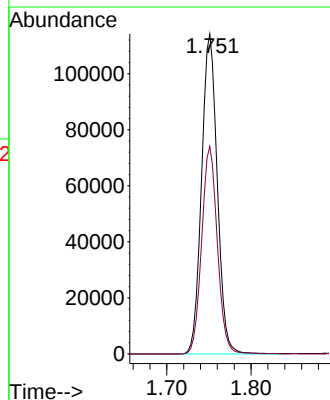
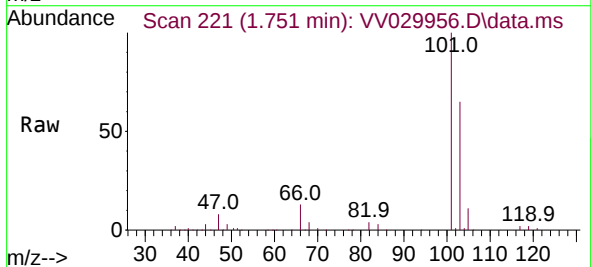
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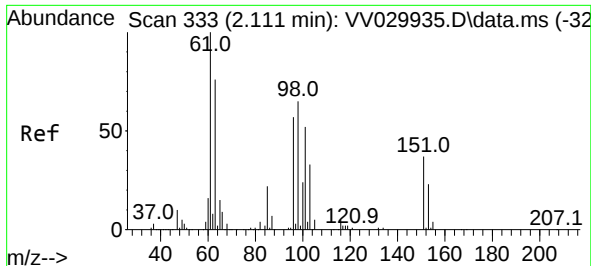
Tgt Ion: 64 Resp: 82679
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.894 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion:101 Resp: 148509
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8

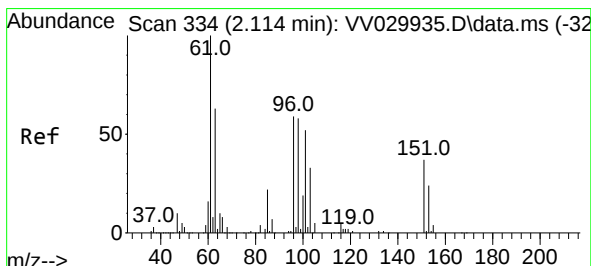
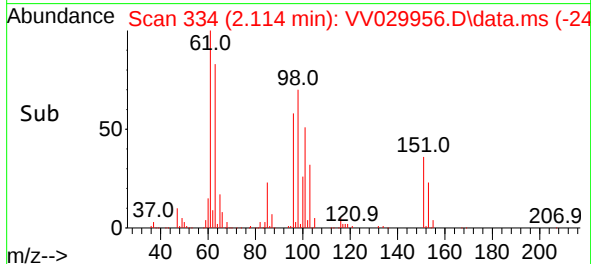
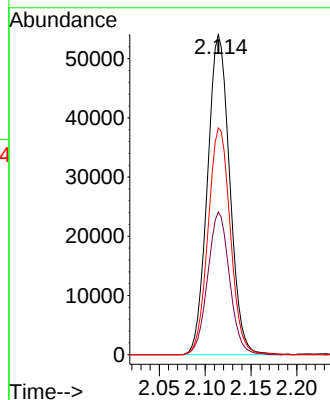
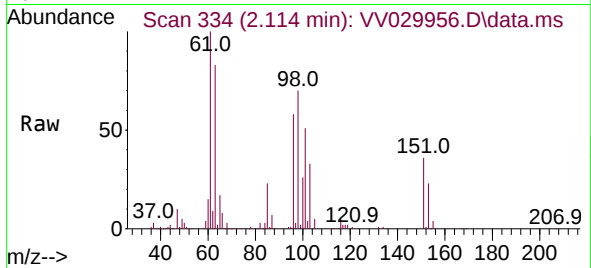




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.109 ug/L
RT: 2.114 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

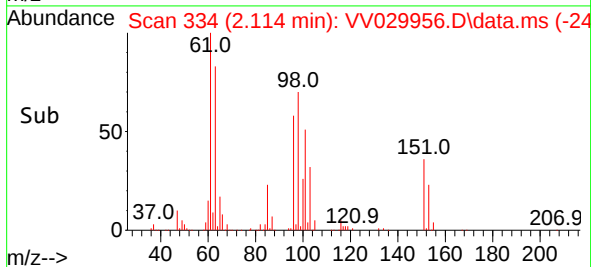
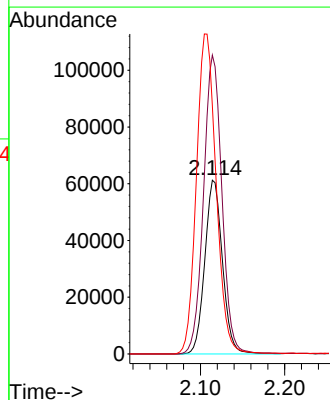
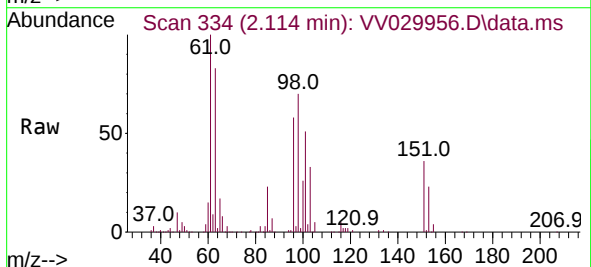
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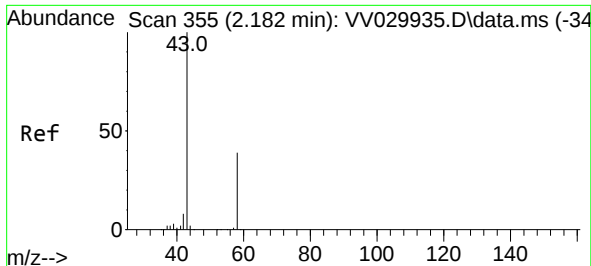
Tgt Ion:101 Resp: 91328
Ion Ratio Lower Upper
101 100
85 43.7 32.9 49.3
151 71.0 60.9 91.3



#12
1,1-Dichloroethene
Concen: 4.347 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 96 Resp: 89521
Ion Ratio Lower Upper
96 100
61 172.0 106.1 197.1
63 142.8 76.4 141.8#





#13

Acetone

Concen: 55.168 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

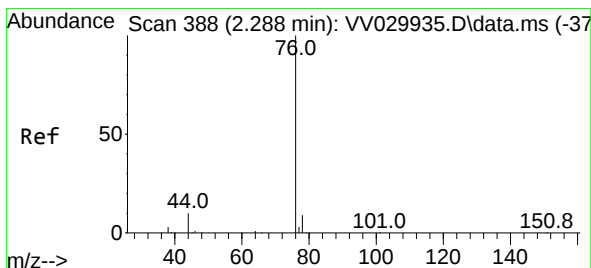
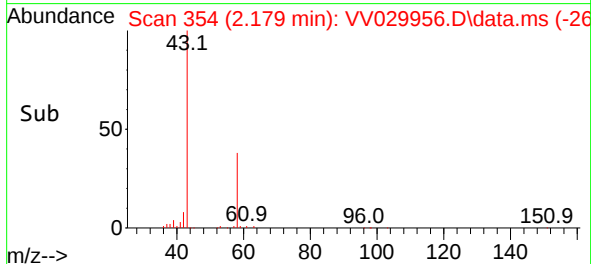
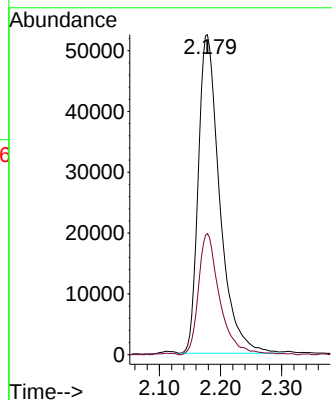
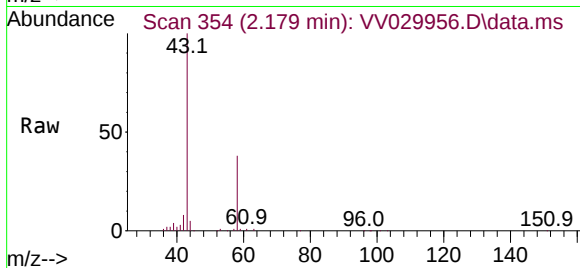
VSTD005393

Tgt Ion: 43 Resp: 127671

Ion Ratio Lower Upper

43 100

58 37.6 0.0 68.8



#14

Carbon disulfide

Concen: 4.198 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV029956.D

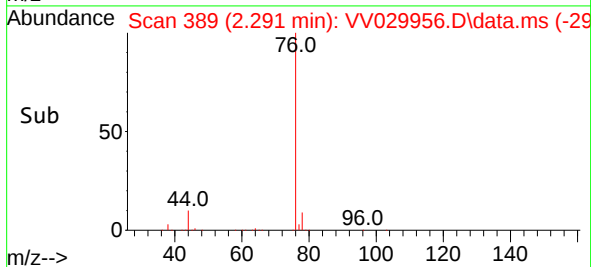
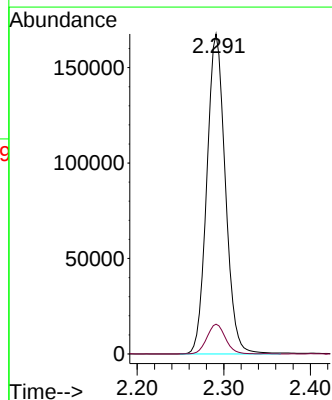
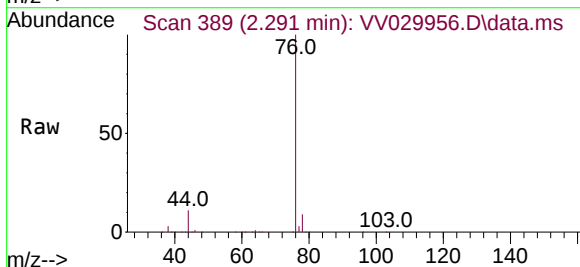
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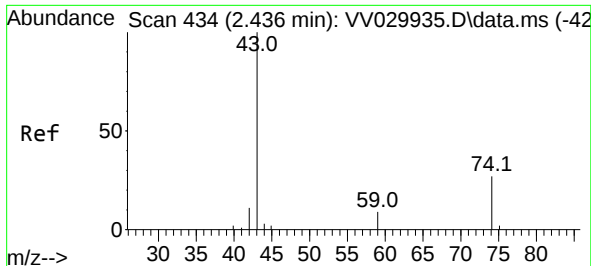
Tgt Ion: 76 Resp: 248879

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

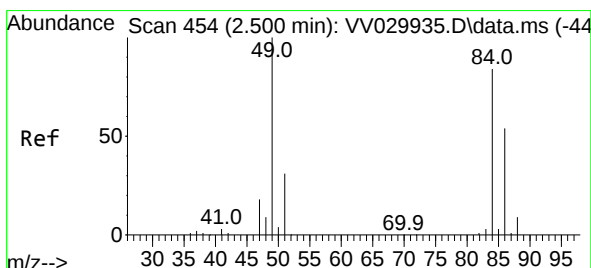
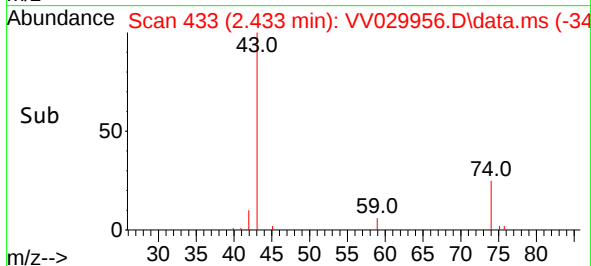
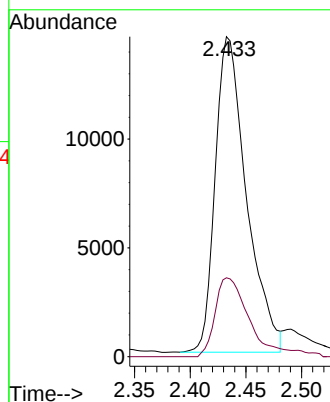
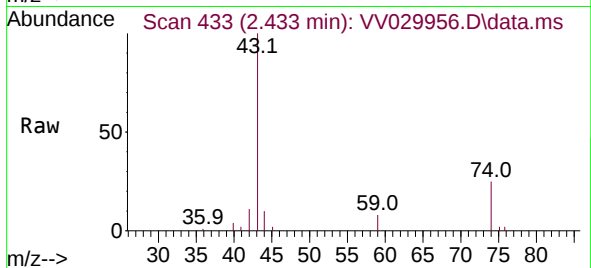




#15
Methyl Acetate
Concen: 4.697 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

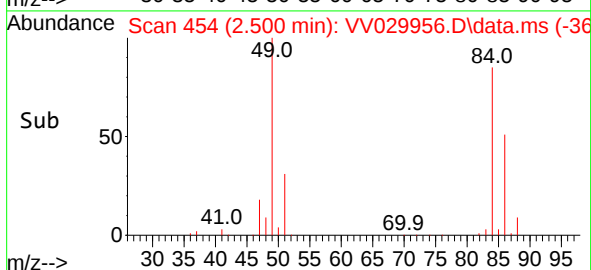
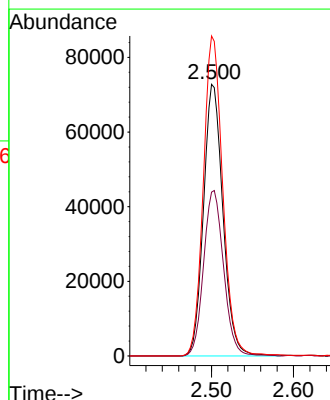
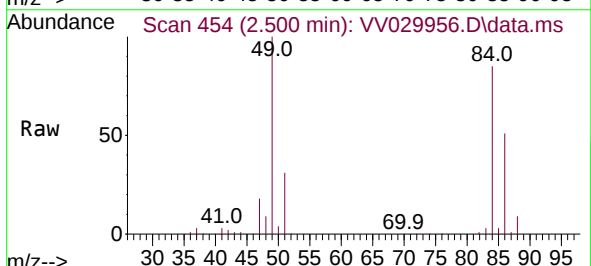
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

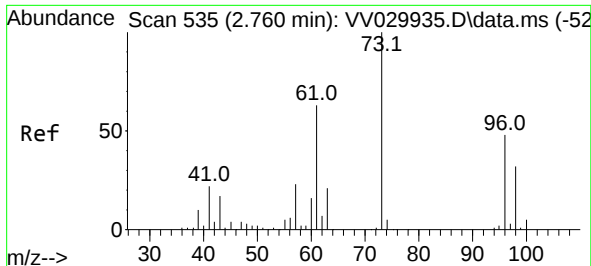
Tgt Ion: 43 Resp: 28307
Ion Ratio Lower Upper
43 100
74 27.9 23.4 35.0



#16
Methylene chloride
Concen: 4.679 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 84 Resp: 119714
Ion Ratio Lower Upper
84 100
86 60.3 45.0 83.6
49 117.8 71.5 132.7





#17

Methyl tert-butyl Ether

Concen: 4.787 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

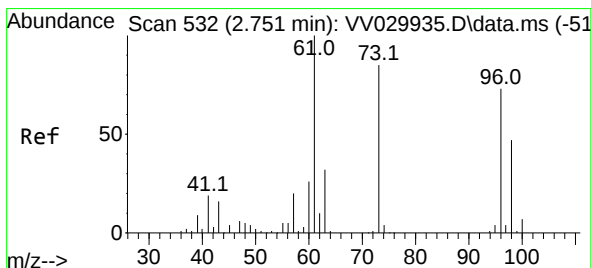
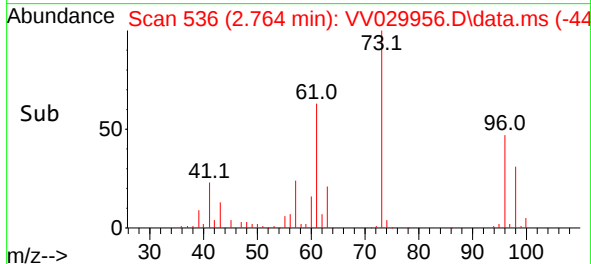
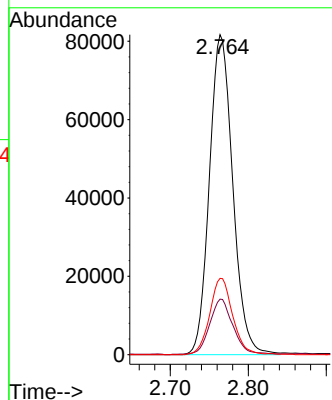
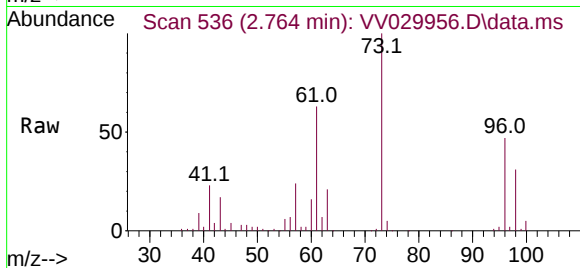
Tgt Ion: 73 Resp: 170474

Ion Ratio Lower Upper

73 100

43 17.7 13.0 19.4

57 23.3 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.728 ug/L

RT: 2.754 min Scan# 533

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

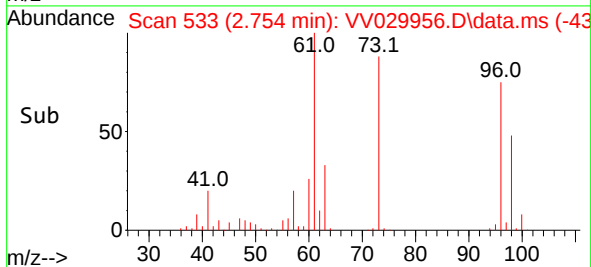
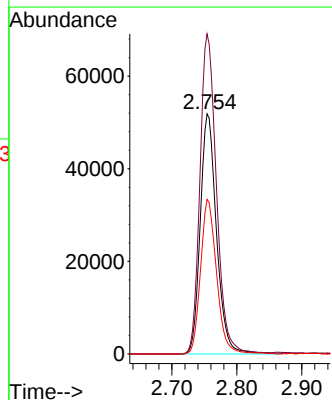
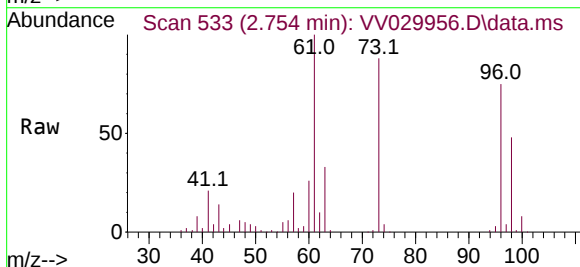
Tgt Ion: 96 Resp: 90521

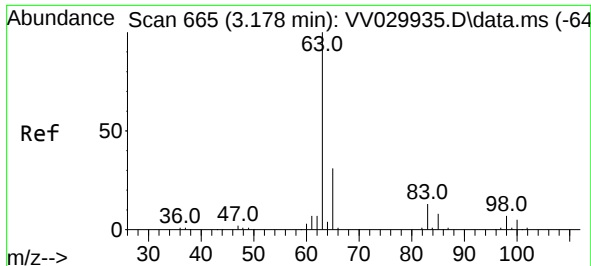
Ion Ratio Lower Upper

96 100

61 133.3 86.1 159.9

98 64.4 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.434 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

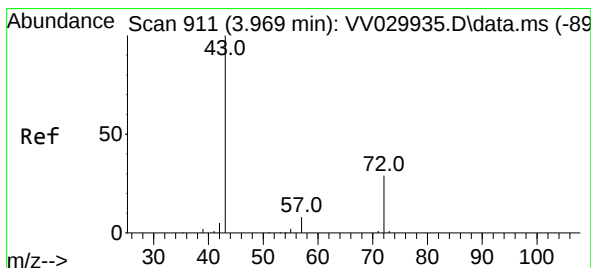
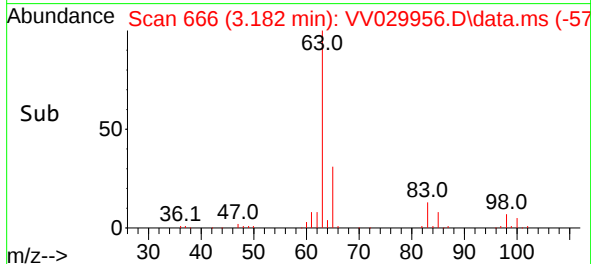
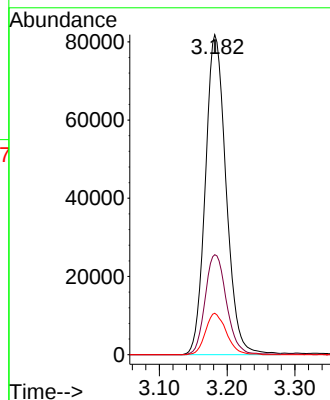
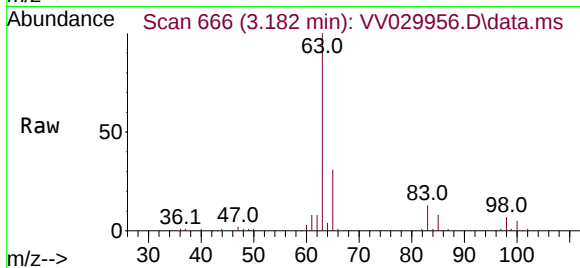
Tgt Ion: 63 Resp: 174022

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 13.0 10.2 19.0



#21

2-Butanone

Concen: 56.394 ug/L

RT: 3.969 min Scan# 911

Delta R.T. 0.000 min

Lab File: VV029956.D

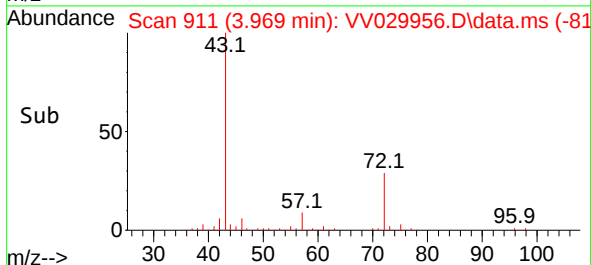
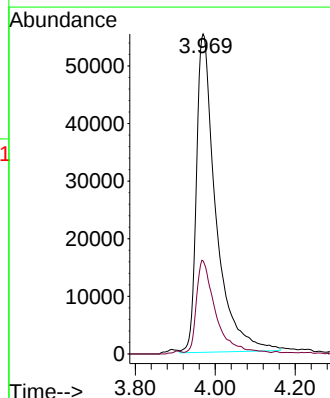
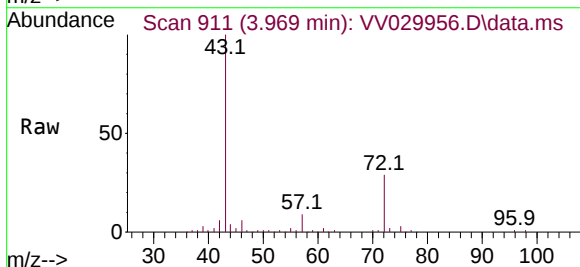
Acq: 25 Jan 2023 20:39

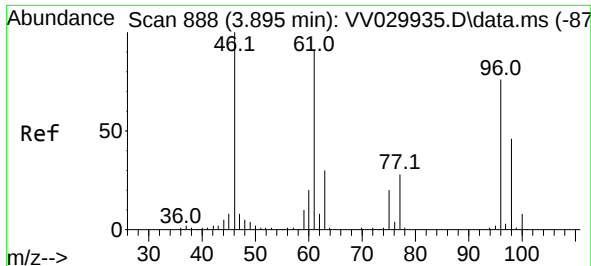
Tgt Ion: 43 Resp: 186965

Ion Ratio Lower Upper

43 100

72 28.4 13.9 41.6

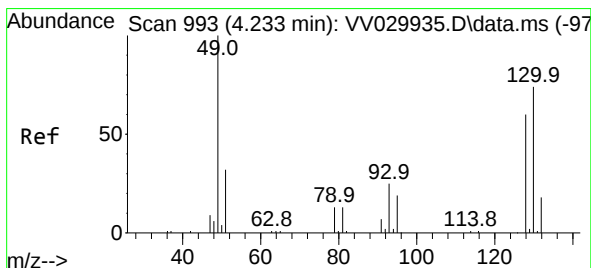
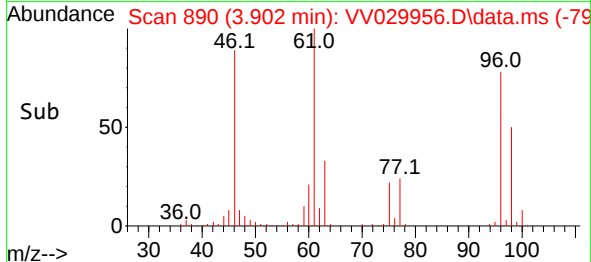
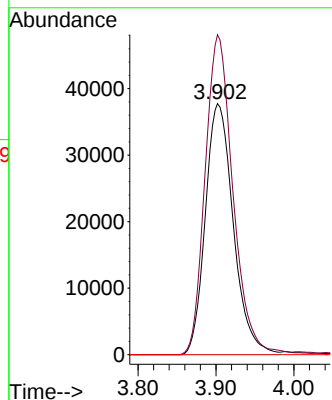
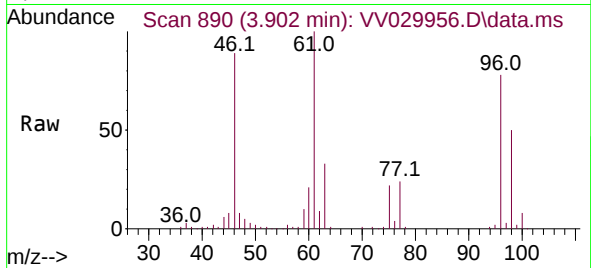




#22
 cis-1,2-Dichloroethene
 Concen: 4.619 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.006 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

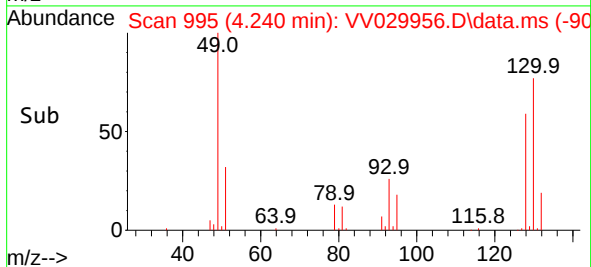
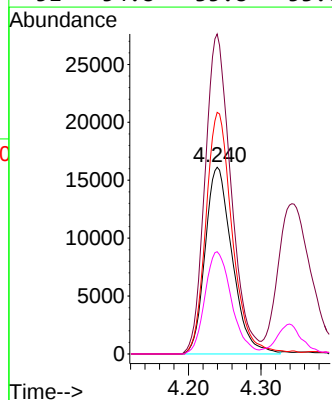
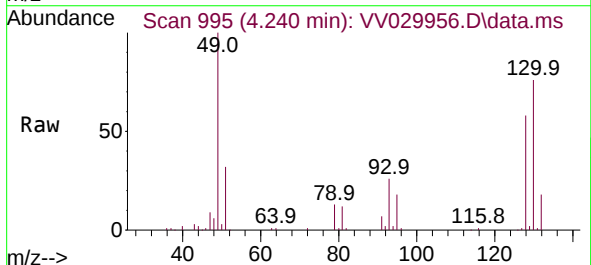
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

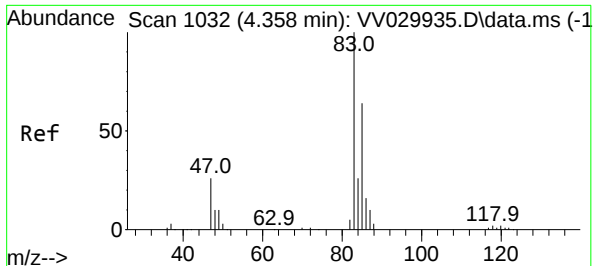
Tgt Ion: 96 Resp: 94232
 Ion Ratio Lower Upper
 96 100
 61 127.5 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.954 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. 0.006 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

Tgt Ion: 128 Resp: 41735
 Ion Ratio Lower Upper
 128 100
 49 171.4 91.2 169.4#
 130 129.4 87.0 161.6
 51 54.8 35.8 53.6#





#25

Chloroform

Concen: 4.904 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

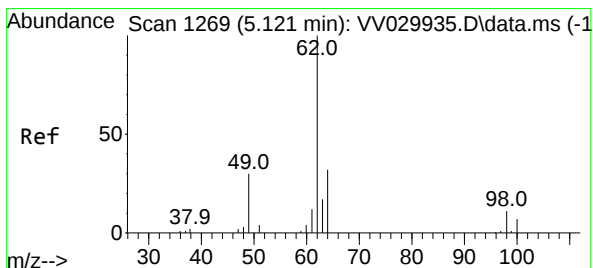
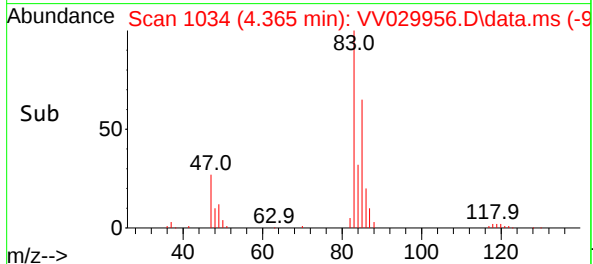
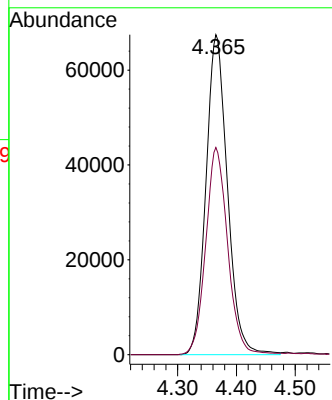
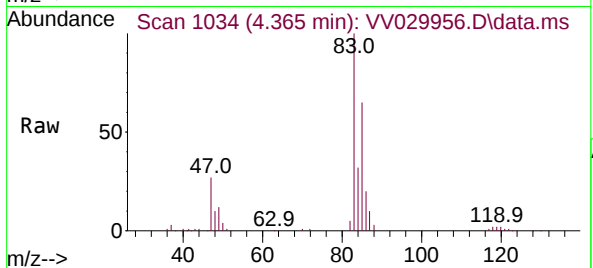
VSTD005393

Tgt Ion: 83 Resp: 170735

Ion Ratio Lower Upper

83 100

85 64.7 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.296 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV029956.D

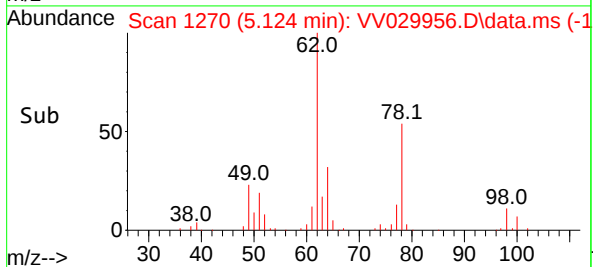
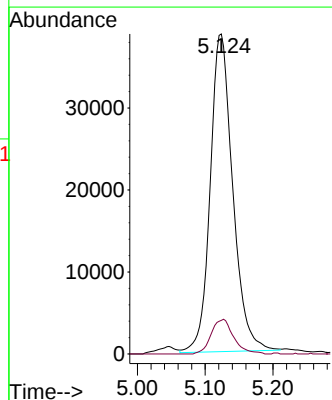
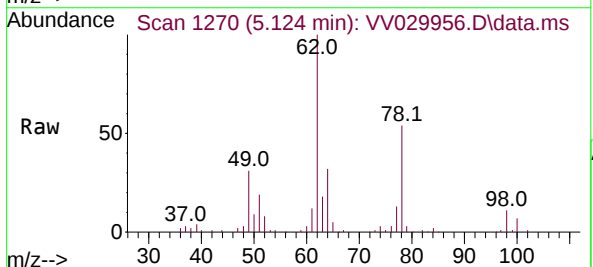
Acq: 25 Jan 2023 20:39

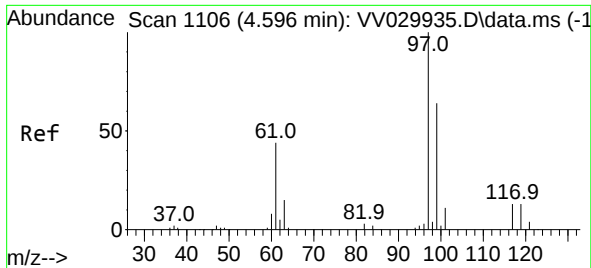
Tgt Ion: 62 Resp: 89569

Ion Ratio Lower Upper

62 100

98 10.5 8.9 13.3

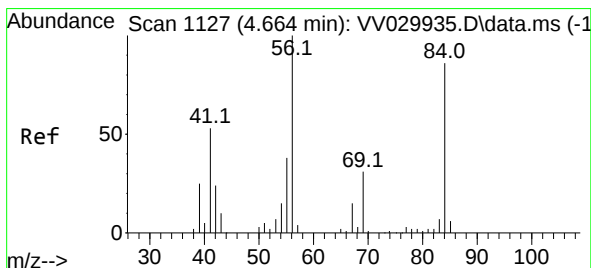
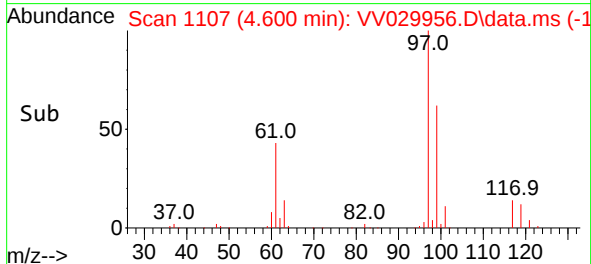
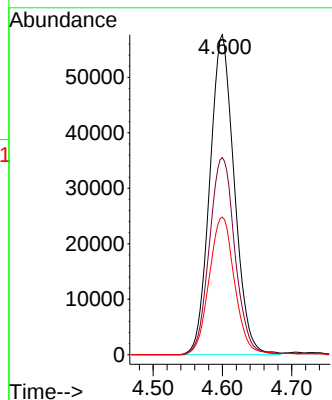
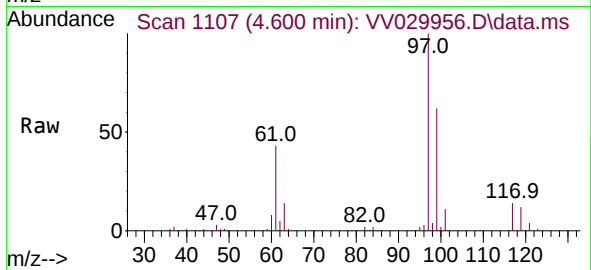




#29
1,1,1-Trichloroethane
Concen: 4.667 ug/L
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

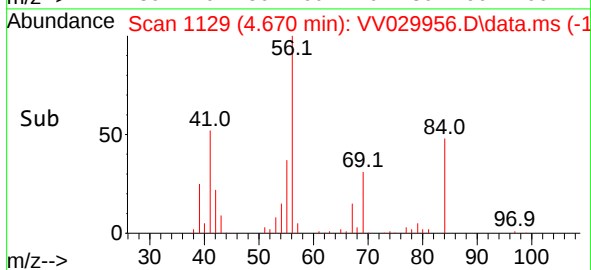
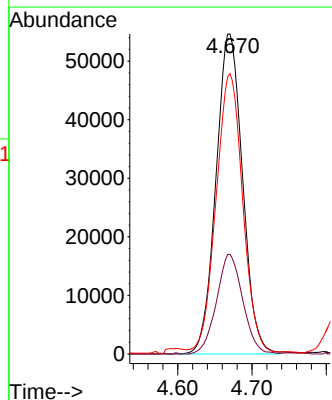
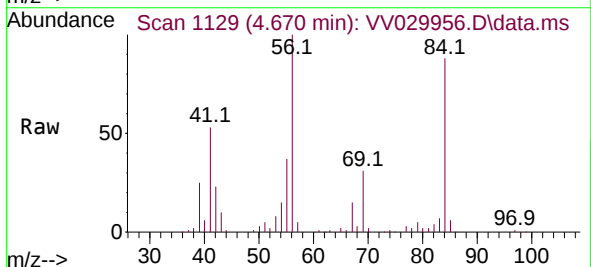
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

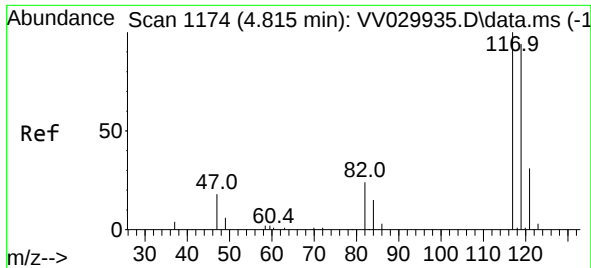
Tgt Ion: 97 Resp: 141716
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 45.0 31.6 47.4



#30
Cyclohexane
Concen: 4.731 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 56 Resp: 136006
Ion Ratio Lower Upper
56 100
69 30.7 26.7 40.1
84 87.4 73.8 110.8

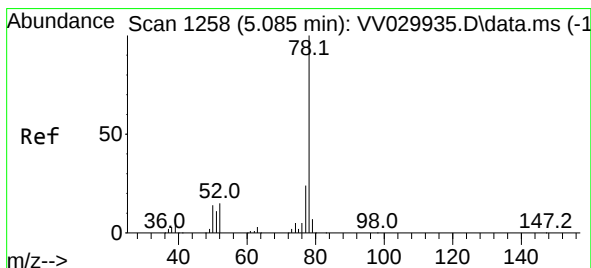
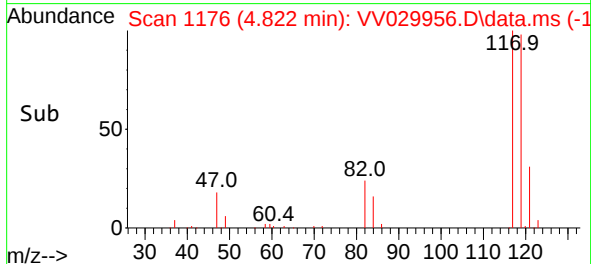
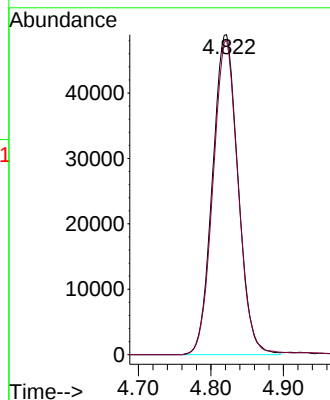
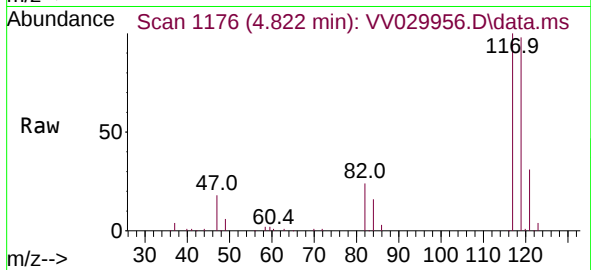




#31
Carbon tetrachloride
Concen: 4.532 ug/L
RT: 4.822 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

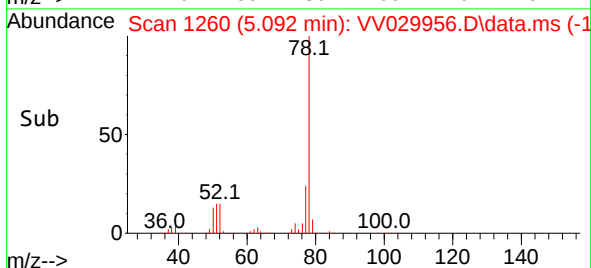
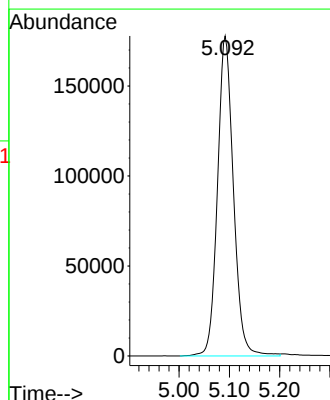
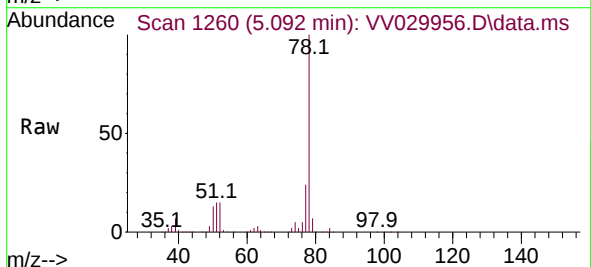
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

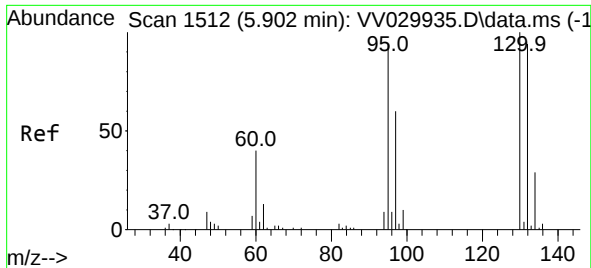
Tgt Ion:117 Resp: 119742
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8



#33
Benzene
Concen: 5.068 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 78 Resp: 391787

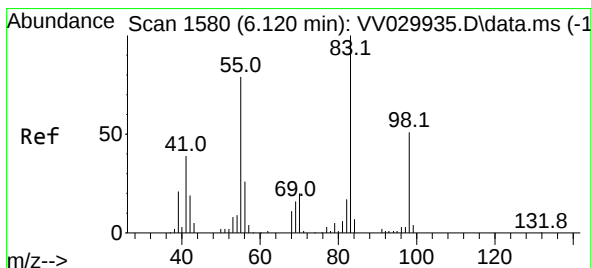
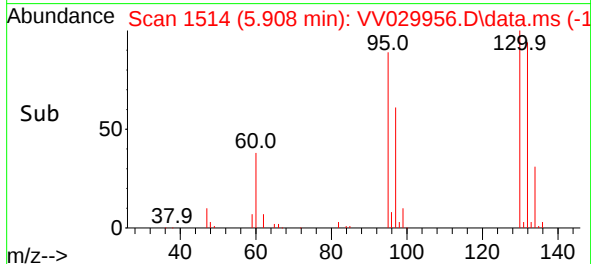
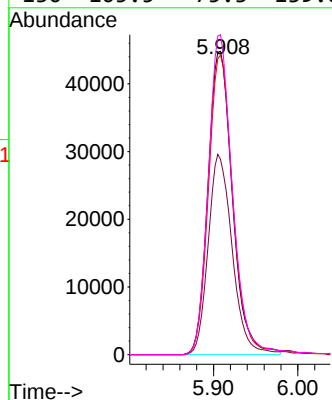
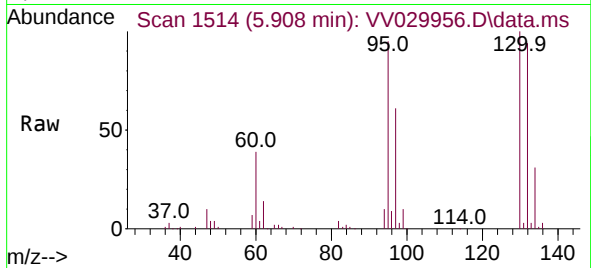




#34
Trichloroethene
Concen: 4.627 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

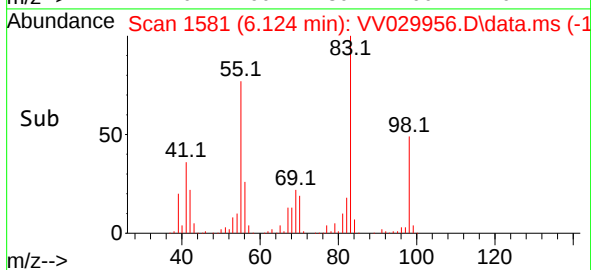
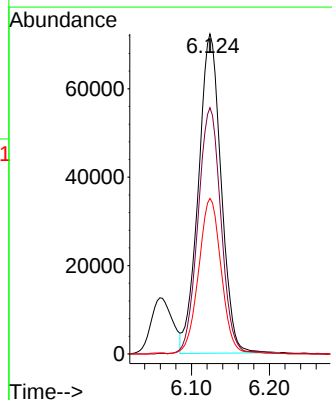
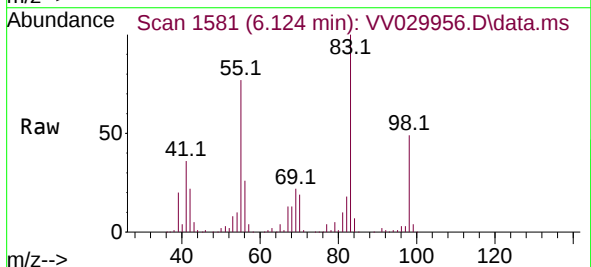
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

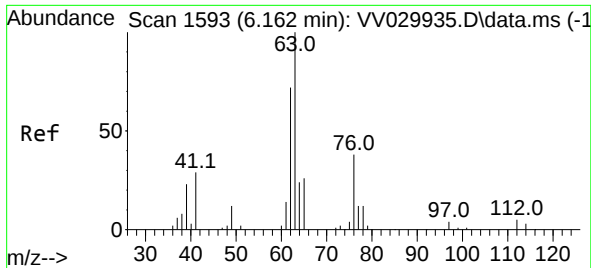
Tgt Ion: 95 Resp: 90663
Ion Ratio Lower Upper
95 100
97 64.4 44.9 83.3
132 98.8 71.8 133.4
130 105.5 75.3 139.8



#35
Methylcyclohexane
Concen: 4.424 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 83 Resp: 146353
Ion Ratio Lower Upper
83 100
55 77.3 57.3 85.9
98 48.7 39.0 58.6

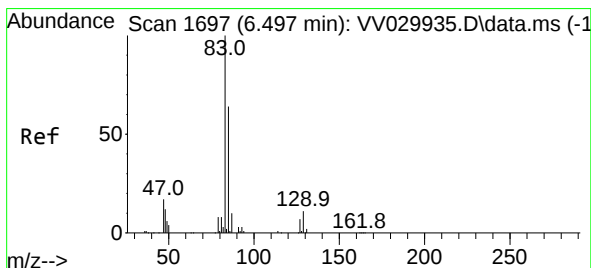
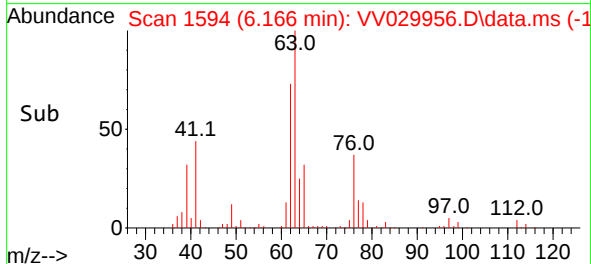
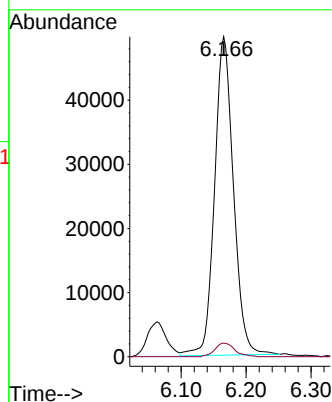
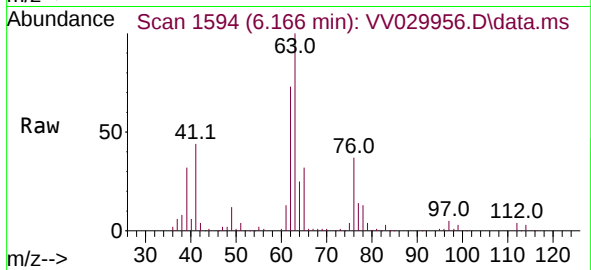




#37
1,2-Dichloropropane
Concen: 5.531 ug/L
RT: 6.166 min Scan# 1593
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

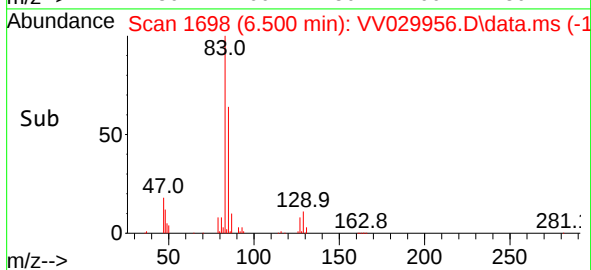
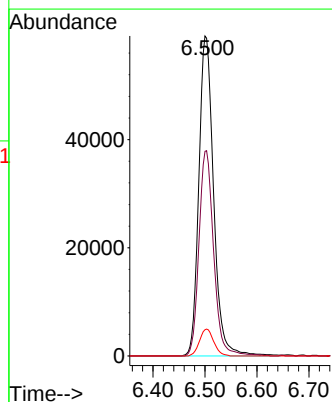
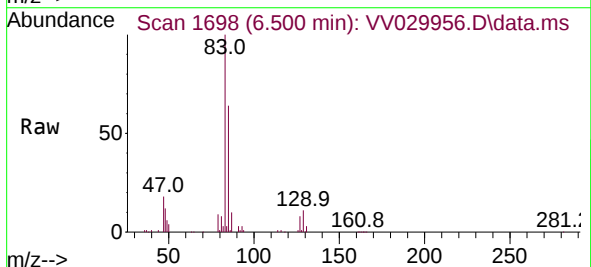
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

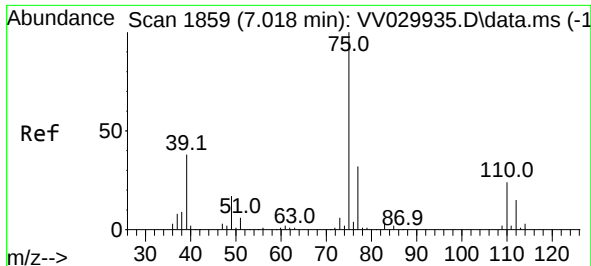
Tgt Ion: 63 Resp: 100131
Ion Ratio Lower Upper
63 100
112 4.5 3.9 5.9



#38
Bromodichloromethane
Concen: 4.998 ug/L
RT: 6.500 min Scan# 1698
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 83 Resp: 117044
Ion Ratio Lower Upper
83 100
85 64.0 43.2 80.2
127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.743 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

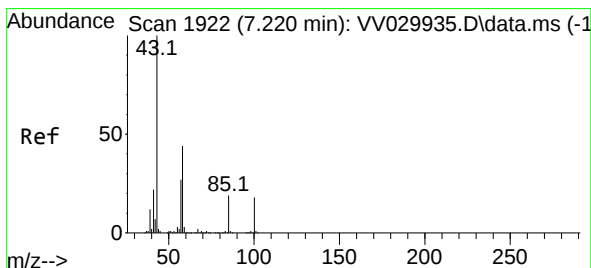
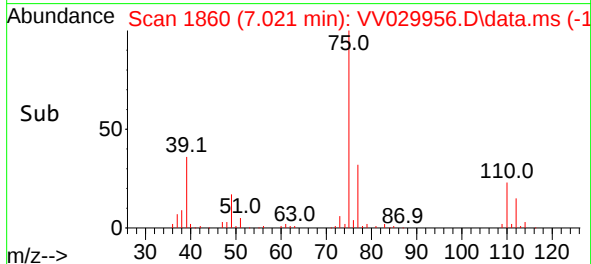
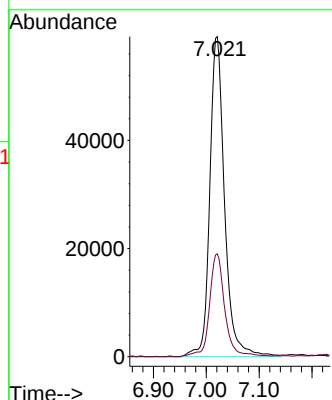
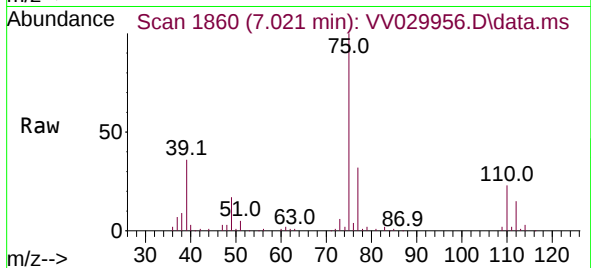
VSTD005393

Tgt Ion: 75 Resp: 115165

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 58.875 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

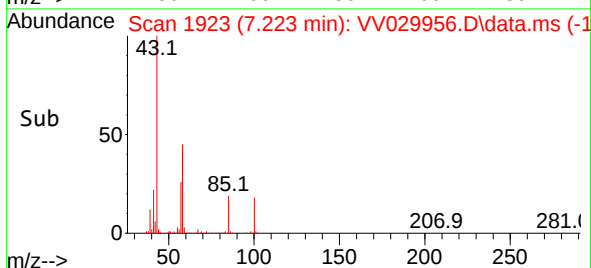
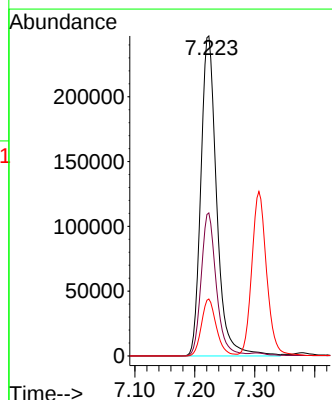
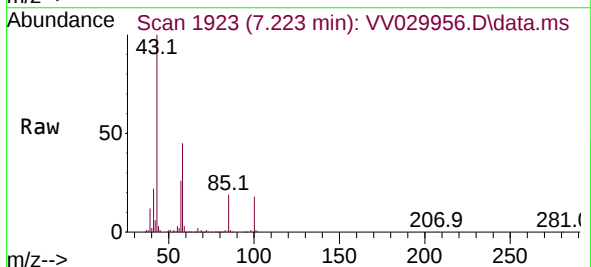
Tgt Ion: 43 Resp: 454893

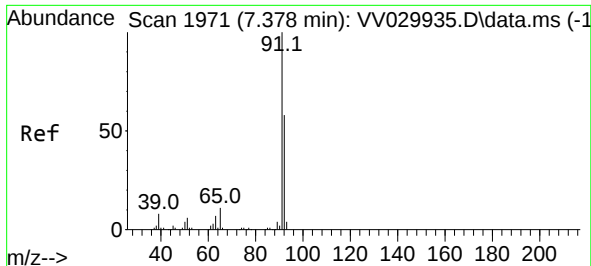
Ion Ratio Lower Upper

43 100

58 42.8 36.7 55.1

100 16.7 15.6 23.4





#42

Toluene

Concen: 4.970 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. 0.000 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

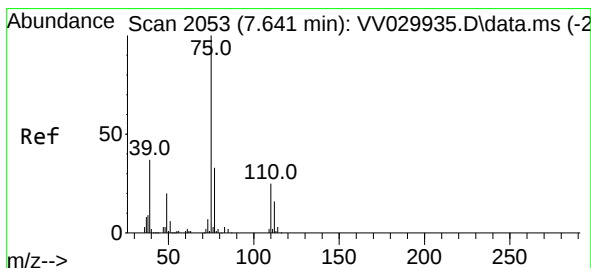
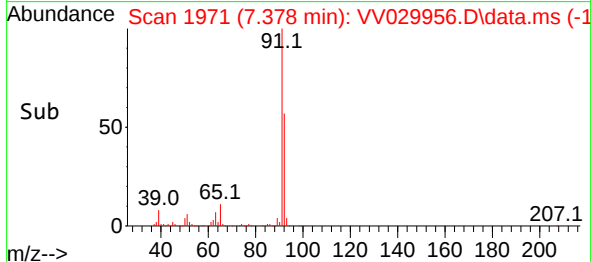
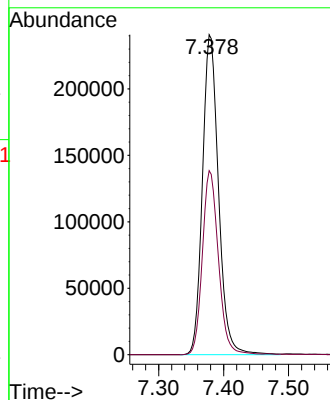
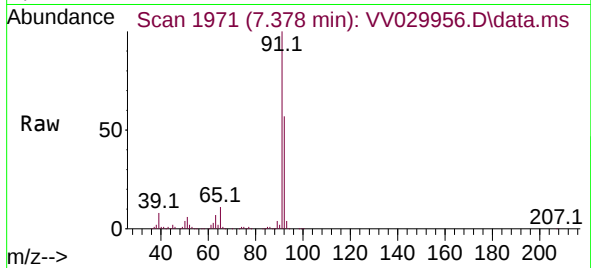
VSTD005393

Tgt Ion: 91 Resp: 414431

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.708 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV029956.D

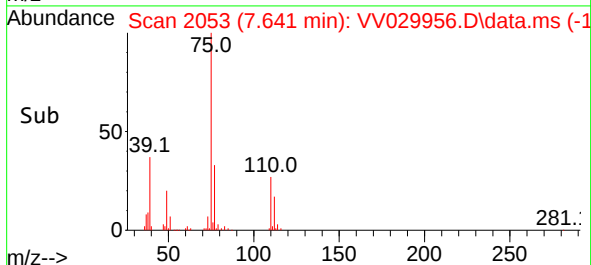
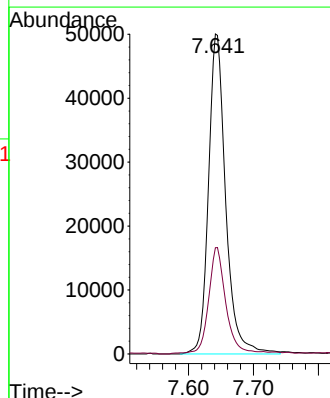
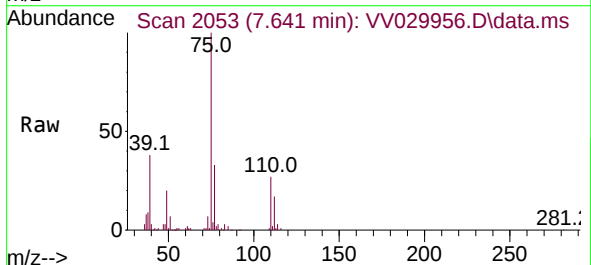
Acq: 25 Jan 2023 20:39

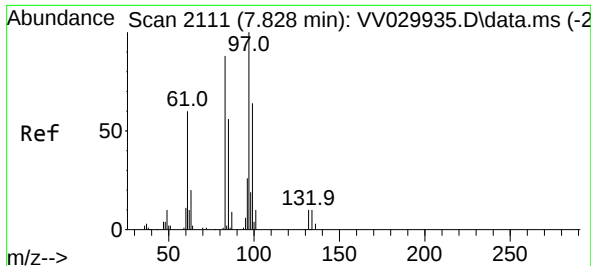
Tgt Ion: 75 Resp: 92117

Ion Ratio Lower Upper

75 100

77 33.2 21.9 40.7



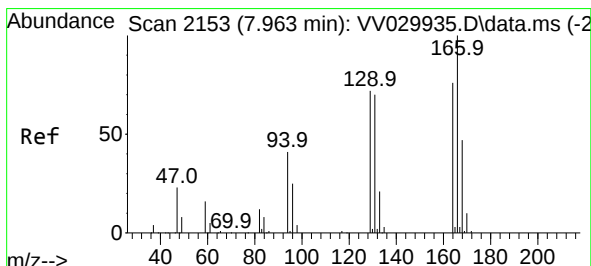
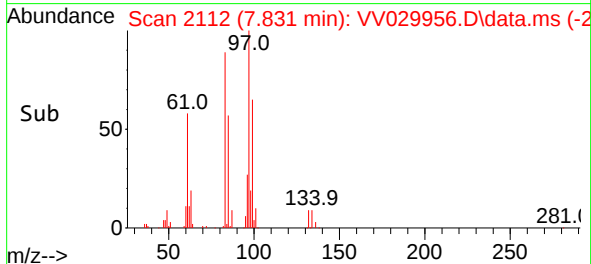
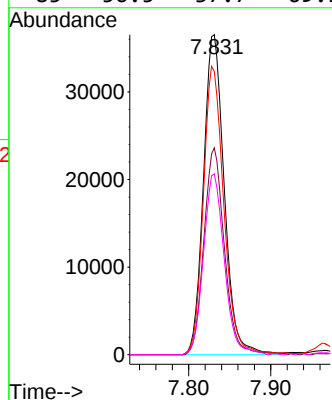
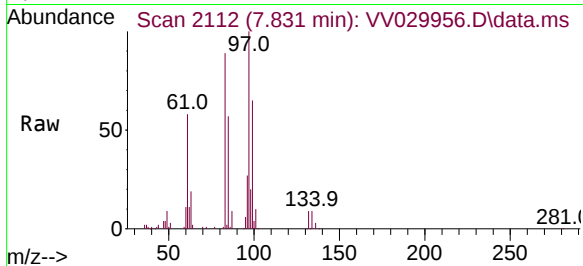


#45
1,1,2-Trichloroethane
Concen: 4.930 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

Tgt Ion: 97 Resp: 64313

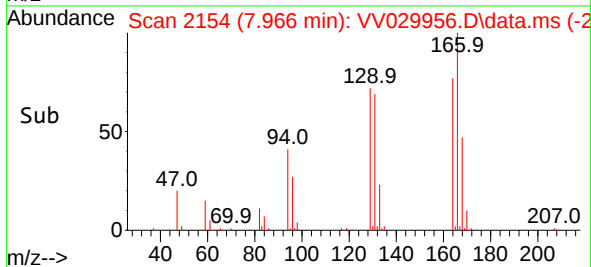
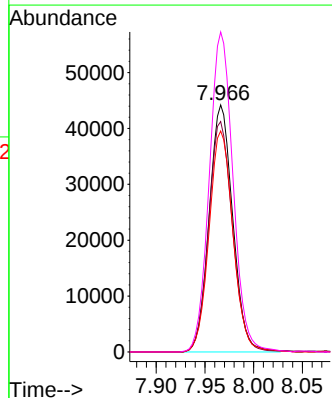
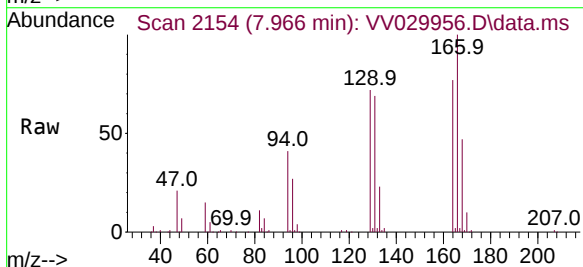
Ion	Ratio	Lower	Upper
97	100		
99	64.7	41.9	77.7
83	88.6	58.7	109.1
85	56.5	37.7	69.9

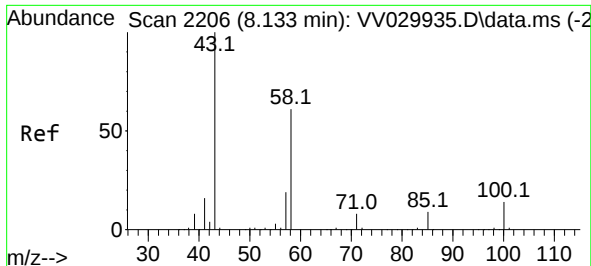


#47
Tetrachloroethene
Concen: 4.521 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 164 Resp: 74576

Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.5	119.7
131	89.4	62.9	116.7
166	129.6	90.7	168.5



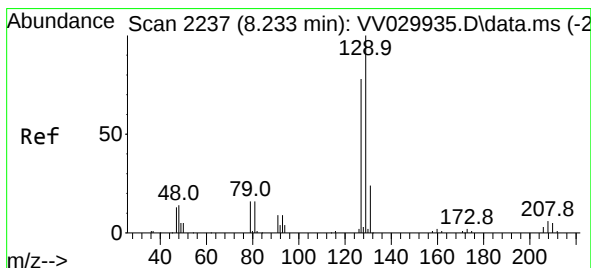
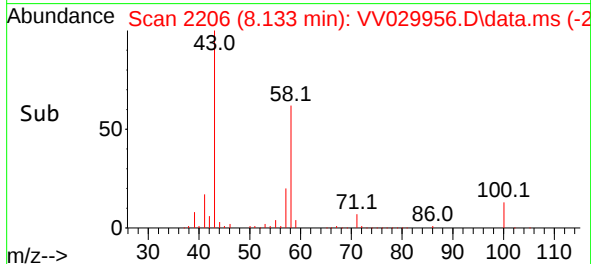
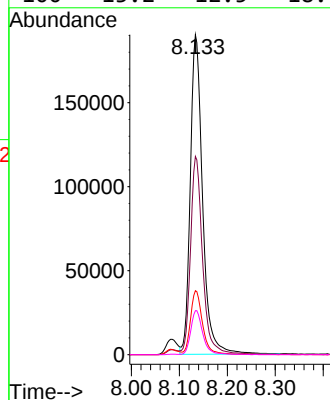
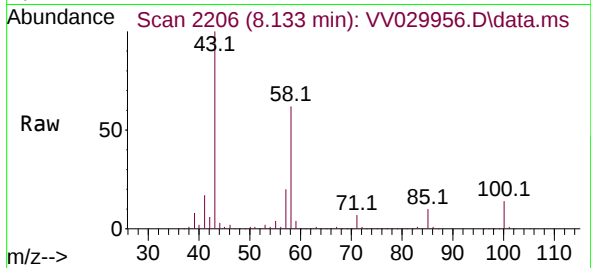


#48
2-Hexanone
Concen: 61.171 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

Tgt Ion: 43 Resp: 337820

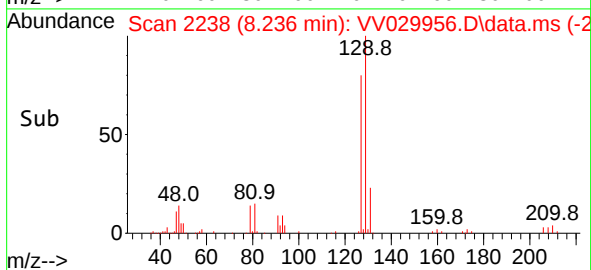
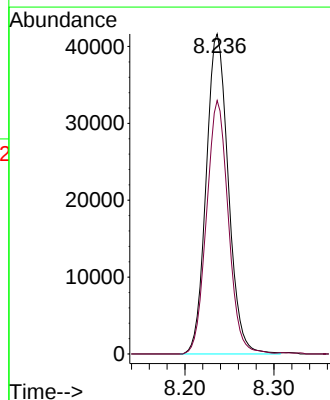
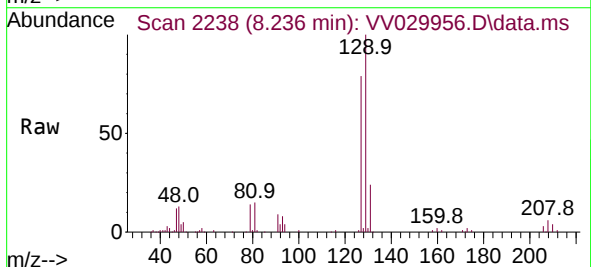
Ion	Ratio	Lower	Upper
43	100		
58	60.2	51.4	77.2
57	19.4	17.0	25.6
100	13.2	12.5	18.7

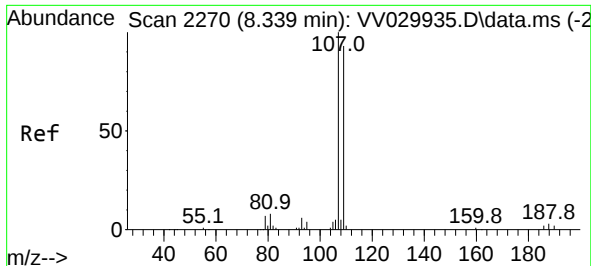


#49
Dibromochloromethane
Concen: 4.693 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 129 Resp: 71844

Ion	Ratio	Lower	Upper
129	100		
127	79.2	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.032 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

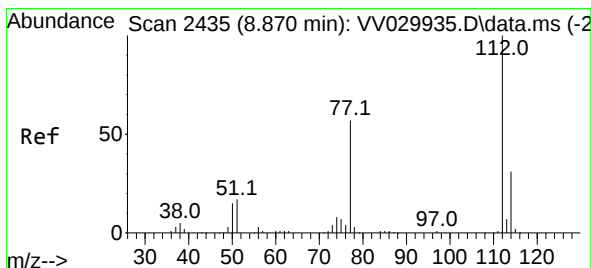
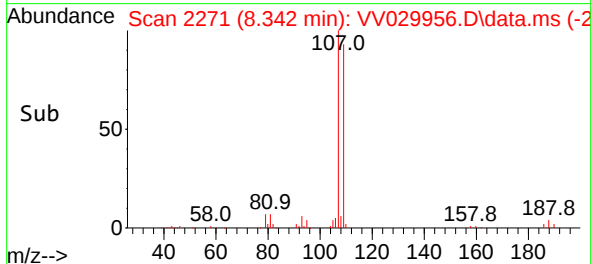
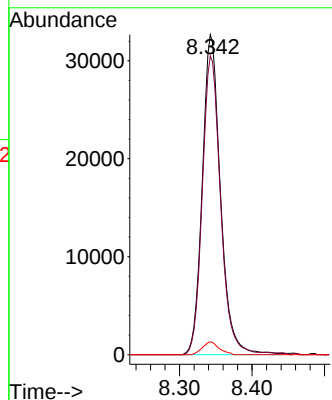
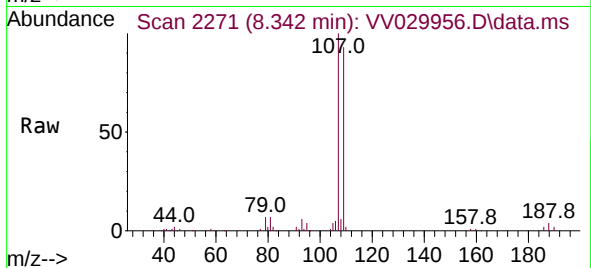
Tgt Ion:107 Resp: 56981

Ion Ratio Lower Upper

107 100

109 93.4 66.1 122.7

188 4.0 2.9 4.3



#51

Chlorobenzene

Concen: 4.782 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

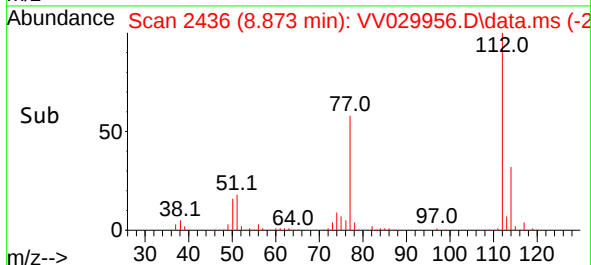
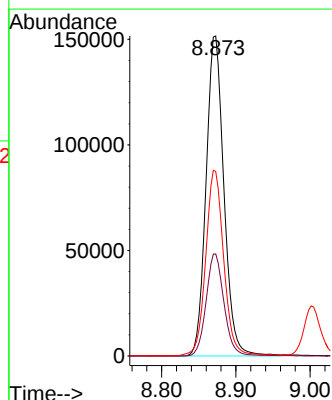
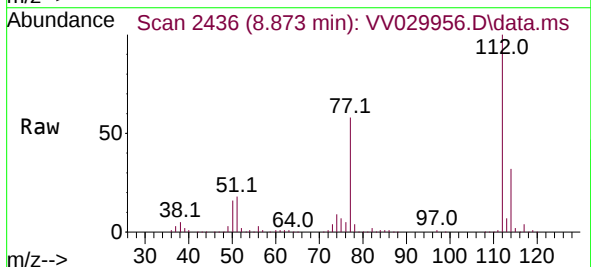
Tgt Ion:112 Resp: 253202

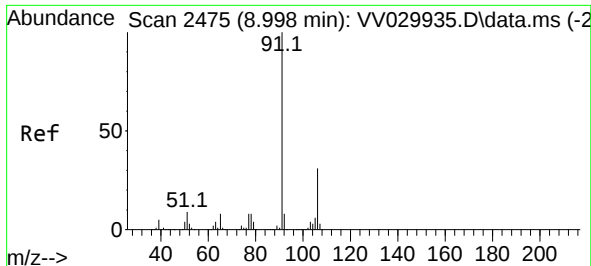
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

77 57.7 46.1 69.1

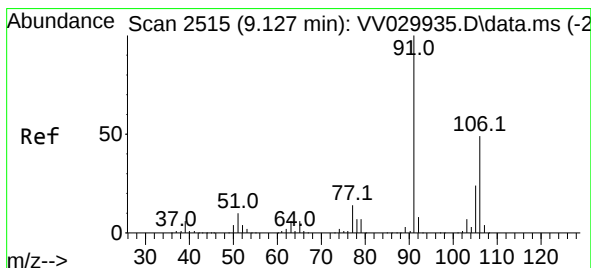
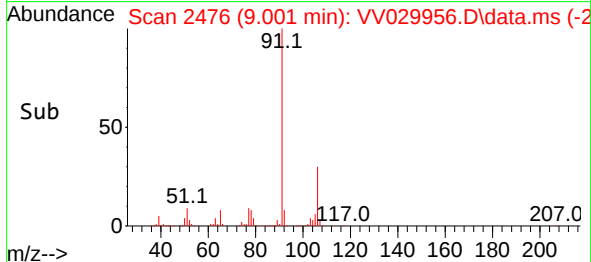
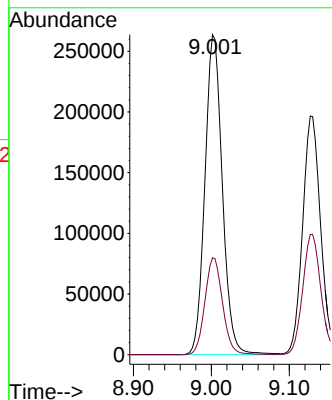
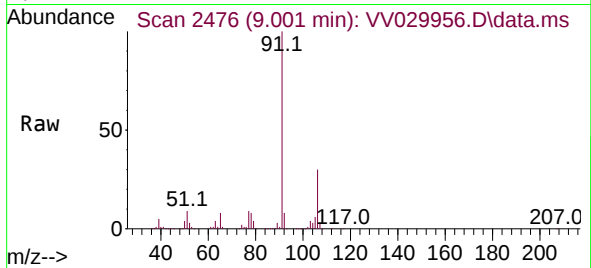




#52
Ethylbenzene
Concen: 4.705 ug/L
RT: 9.001 min Scan# 2475
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

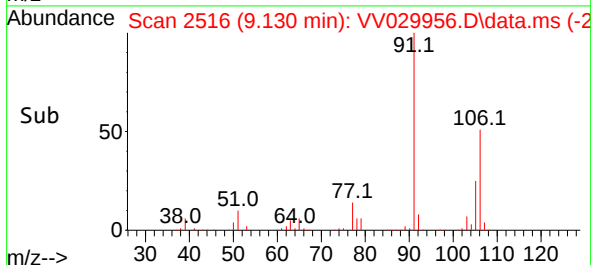
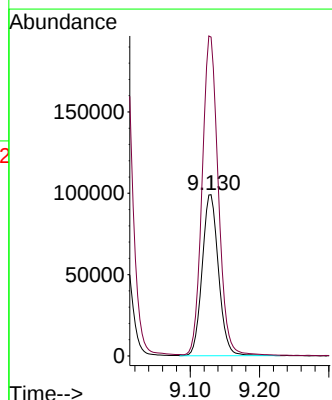
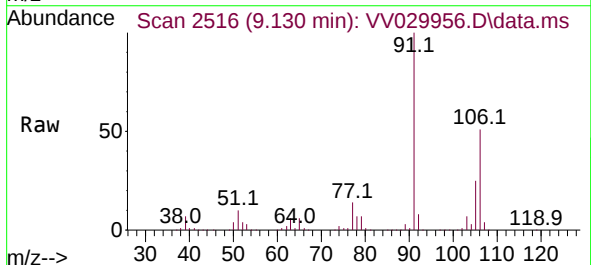
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

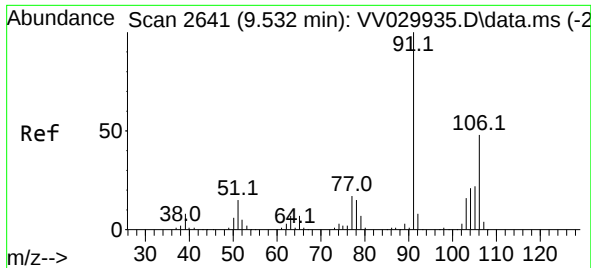
Tgt Ion: 91 Resp: 410562
Ion Ratio Lower Upper
91 100
106 30.3 21.9 40.7



#53
m,p-Xylene
Concen: 4.685 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 106 Resp: 161824
Ion Ratio Lower Upper
106 100
91 197.8 138.7 257.7

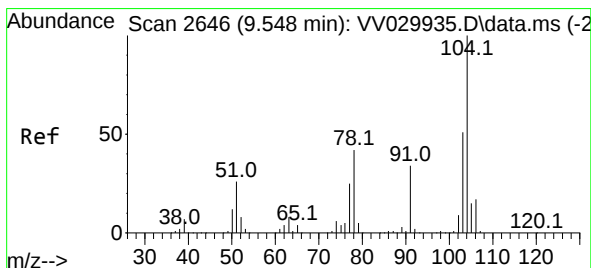
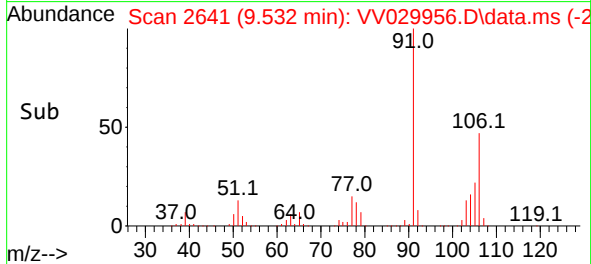
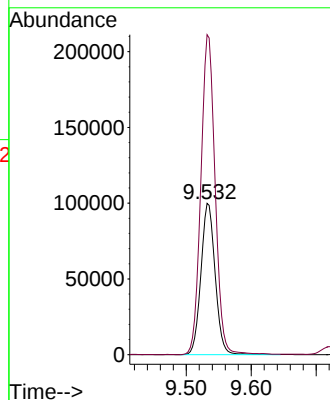
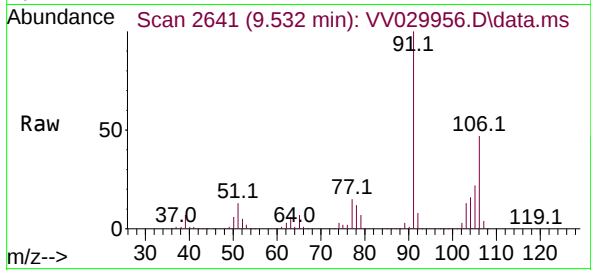




#54
o-Xylene
Concen: 4.646 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

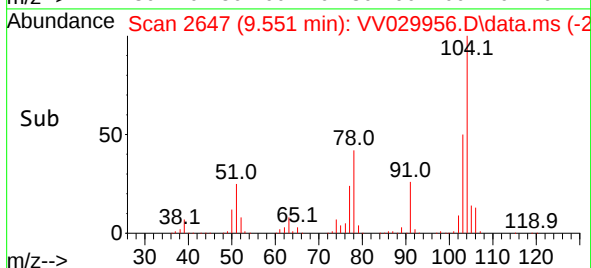
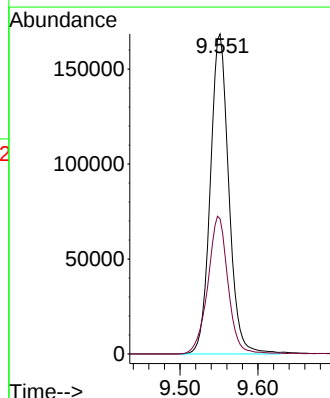
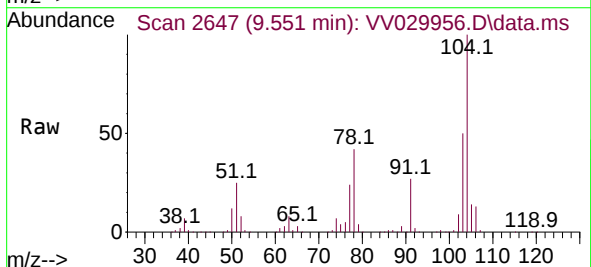
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

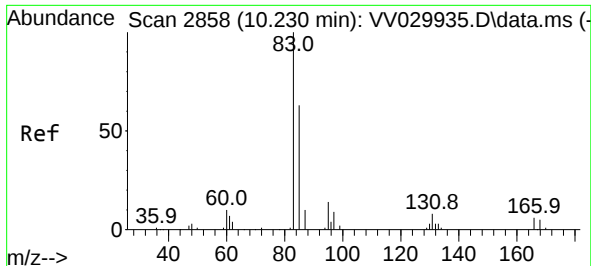
Tgt Ion:106 Resp: 152297
Ion Ratio Lower Upper
106 100
91 211.5 147.7 274.3



#55
Styrene
Concen: 4.927 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion:104 Resp: 277768
Ion Ratio Lower Upper
104 100
78 42.2 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.575 ug/L

RT: 10.230 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

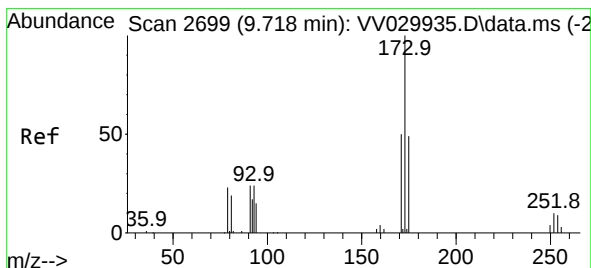
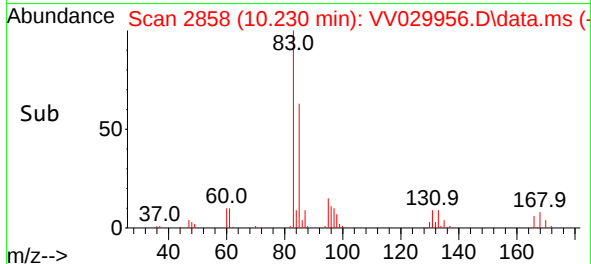
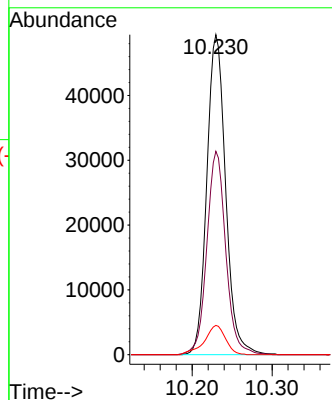
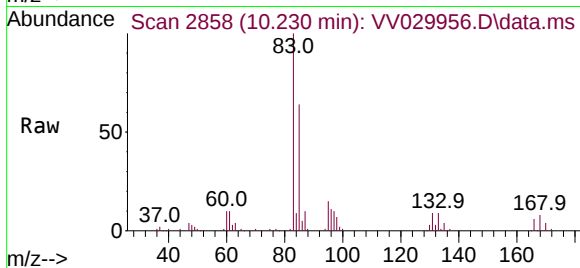
Tgt Ion: 83 Resp: 80782

Ion Ratio Lower Upper

83 100

85 63.5 46.0 85.4

131 9.1 8.4 12.6



#59

Bromoform

Concen: 4.335 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

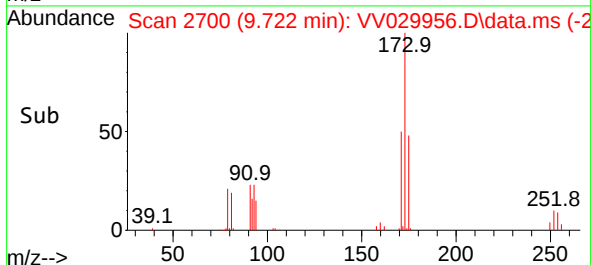
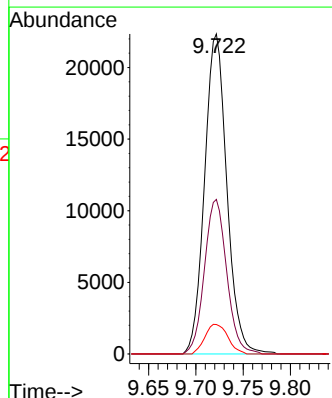
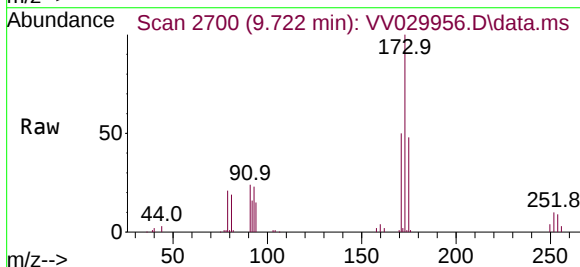
Tgt Ion: 173 Resp: 36613

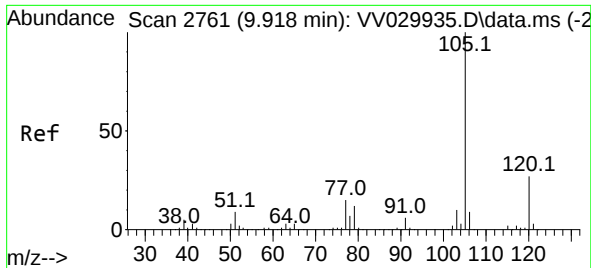
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.5 7.9 11.9

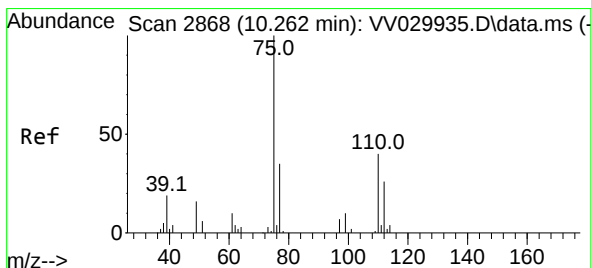
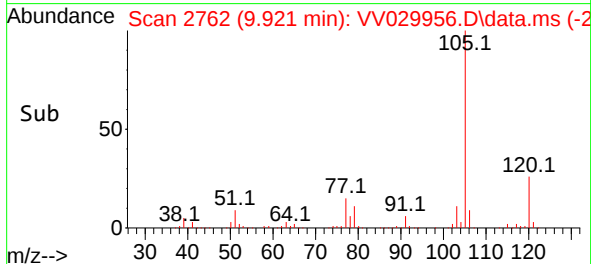
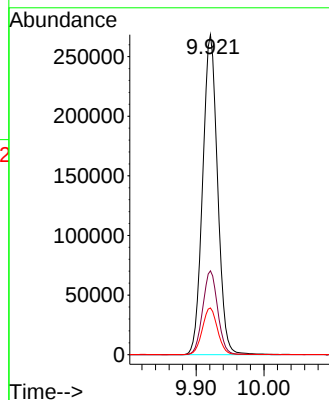
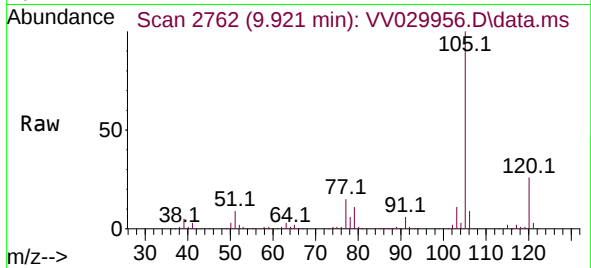




#60
Isopropylbenzene
Concen: 4.913 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

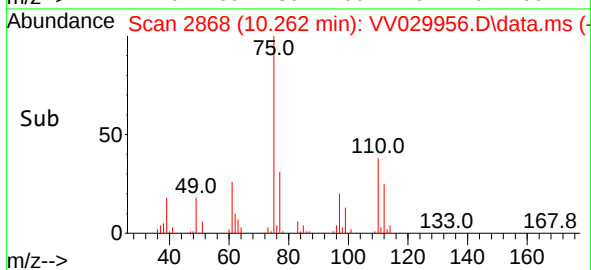
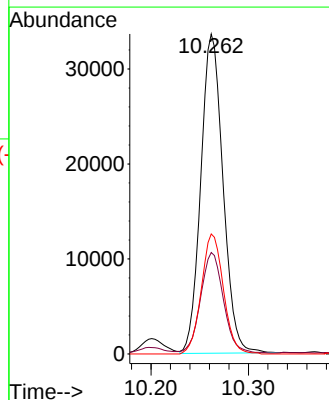
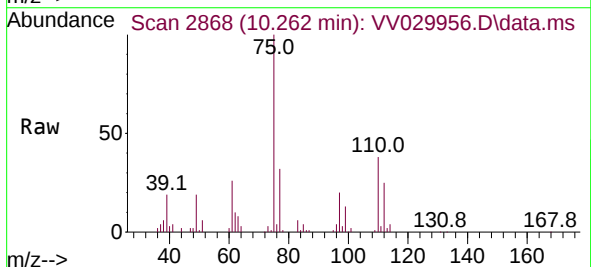
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

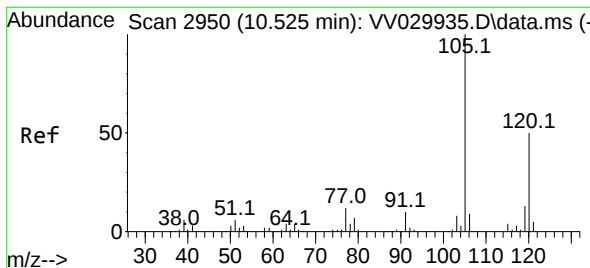
Tgt Ion:105 Resp: 409530
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 14.9 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.502 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion: 75 Resp: 53125
Ion Ratio Lower Upper
75 100
77 32.2 26.5 39.7
110 37.4 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.576 ug/L

RT: 10.529 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

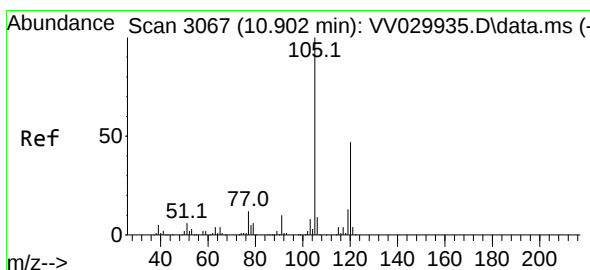
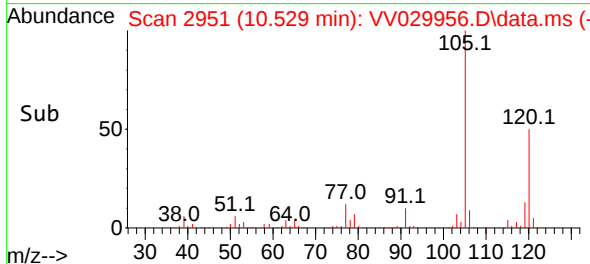
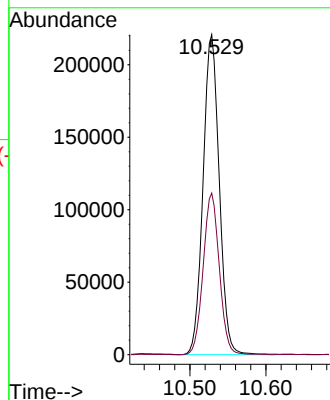
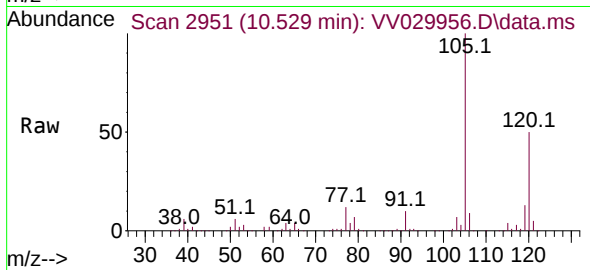
VSTD005393

Tgt Ion:105 Resp: 326887

Ion Ratio Lower Upper

105 100

120 50.3 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.687 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV029956.D

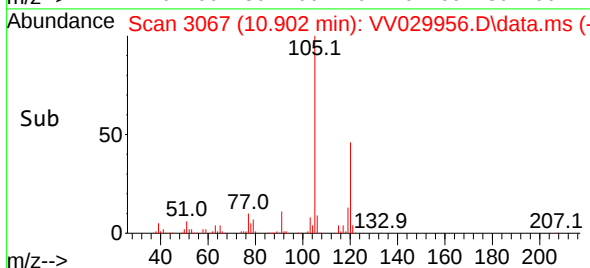
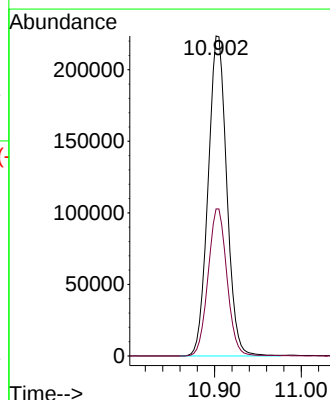
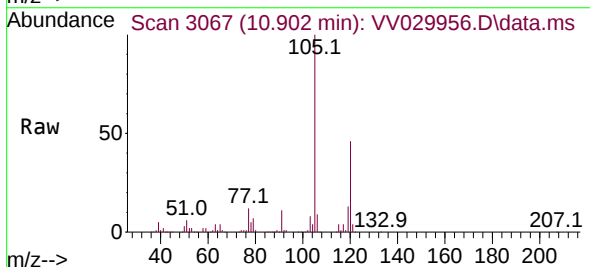
Acq: 25 Jan 2023 20:39

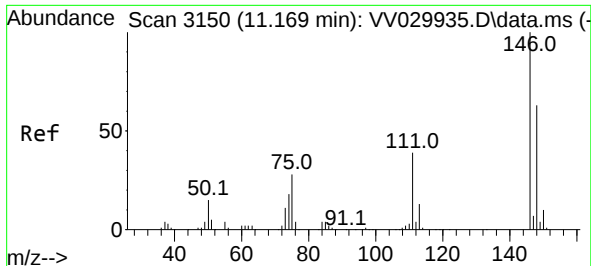
Tgt Ion:105 Resp: 333864

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.0

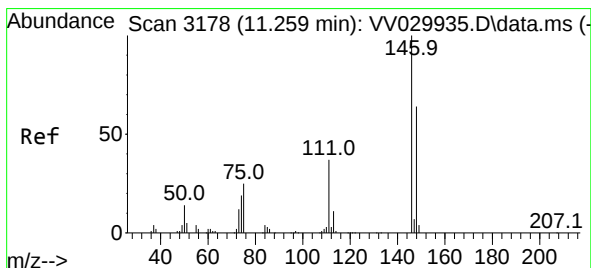
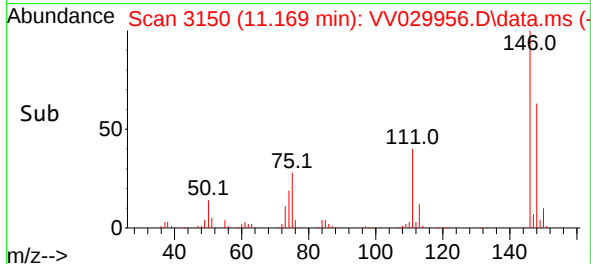
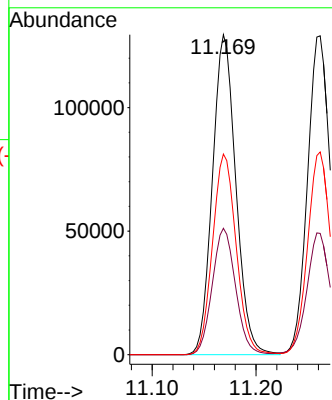
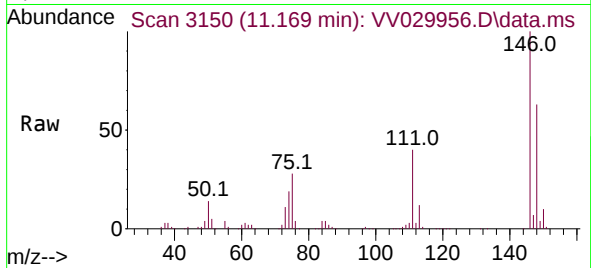




#64
1,3-Dichlorobenzene
Concen: 4.792 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

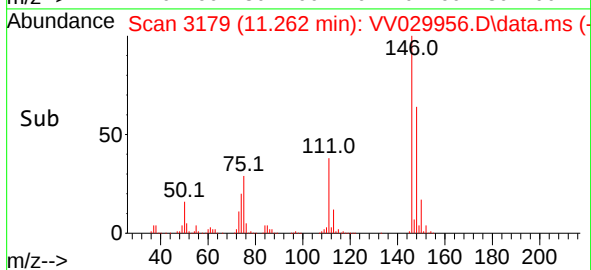
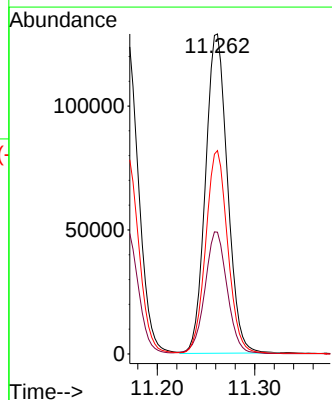
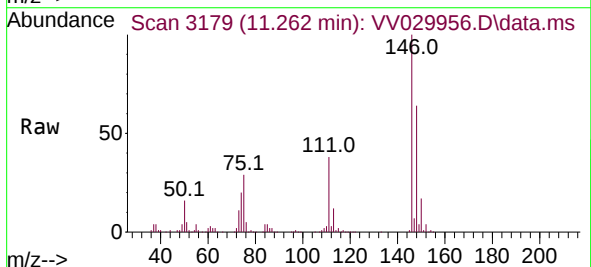
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

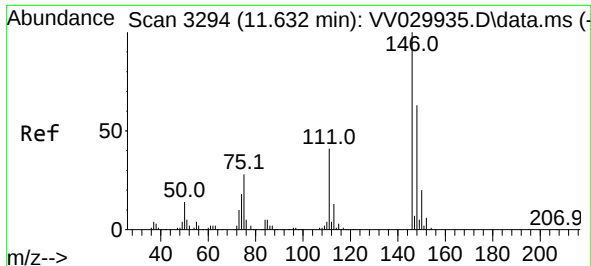
Tgt Ion:146 Resp: 202831
Ion Ratio Lower Upper
146 100
111 39.5 27.2 50.6
148 62.7 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.790 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV029956.D
Acq: 25 Jan 2023 20:39

Tgt Ion:146 Resp: 202132
Ion Ratio Lower Upper
146 100
111 38.0 26.5 49.1
148 63.6 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 4.877 ug/L

RT: 11.632 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

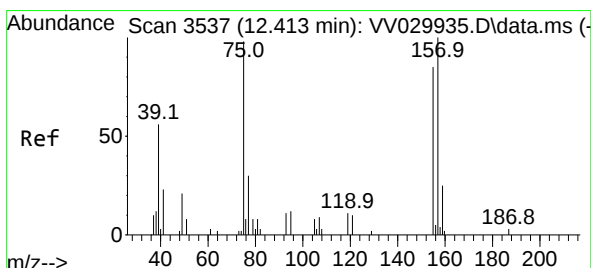
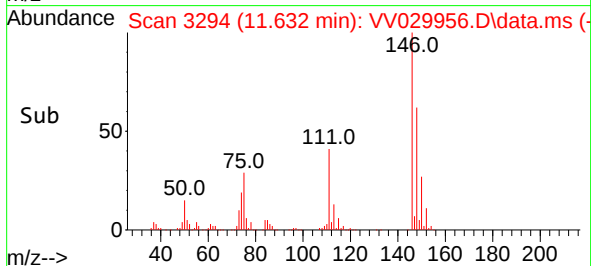
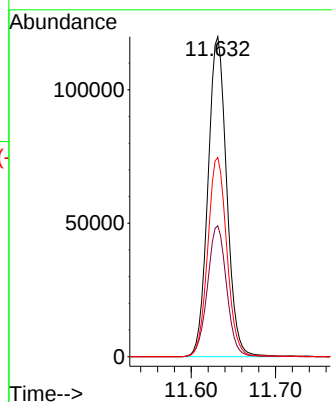
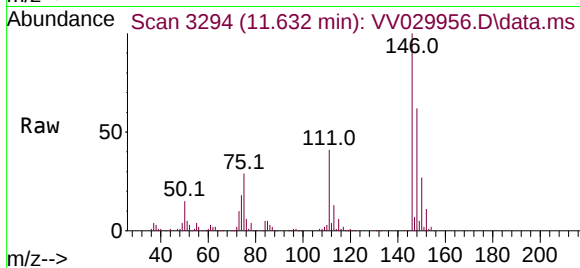
Tgt Ion:146 Resp: 185569

Ion Ratio Lower Upper

146 100

111 40.9 31.8 47.8

148 62.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.738 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

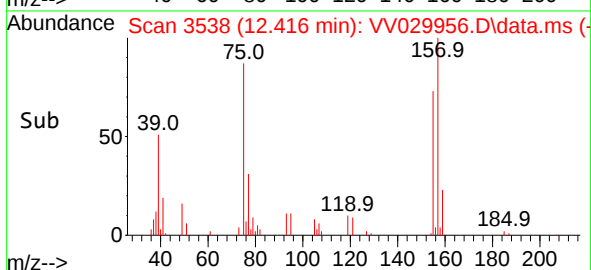
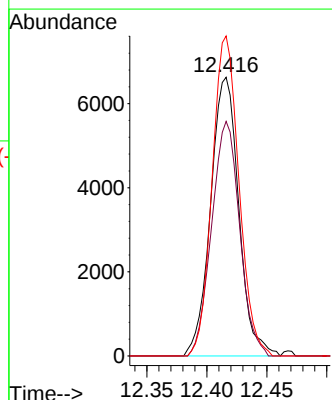
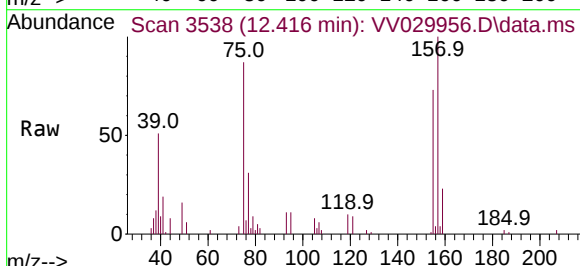
Tgt Ion: 75 Resp: 10819

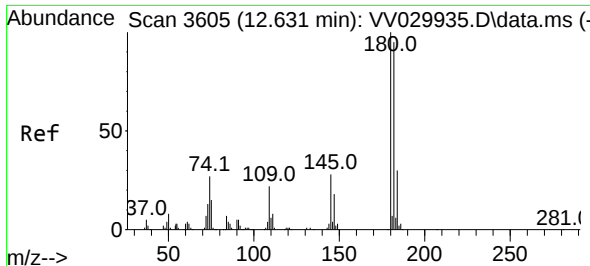
Ion Ratio Lower Upper

75 100

155 84.2 75.5 113.3

157 114.8 99.2 148.8



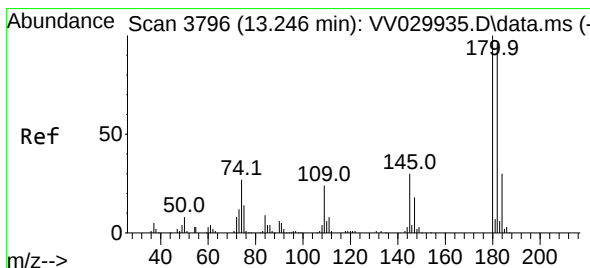
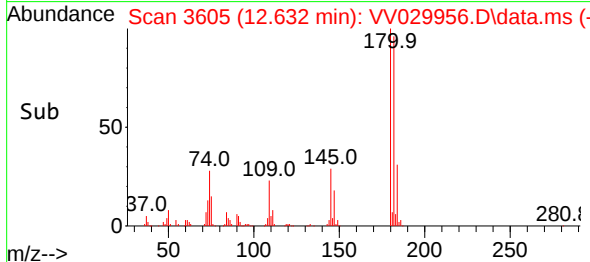
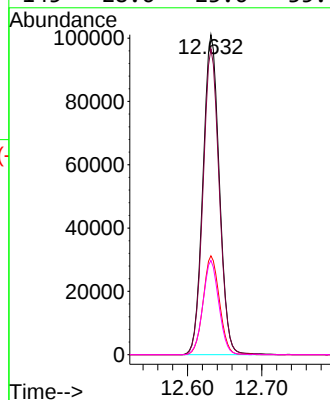
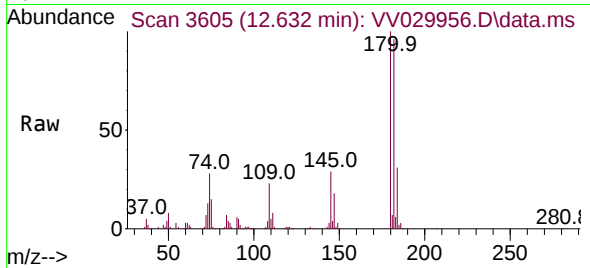


#69
 1,3,5-Trichlorobenzene
 Concen: 4.535 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

Tgt Ion:180 Resp: 154512

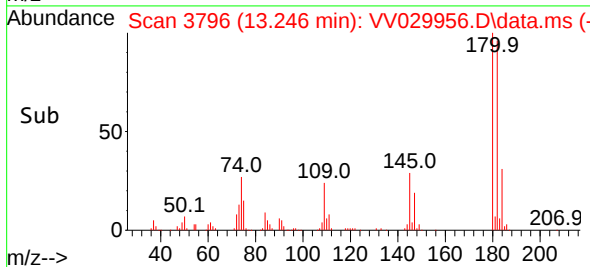
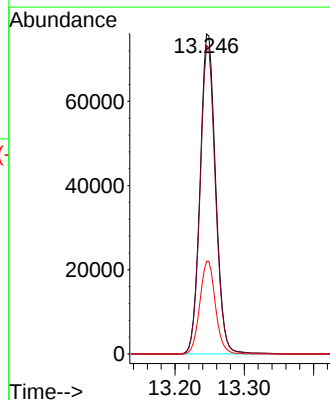
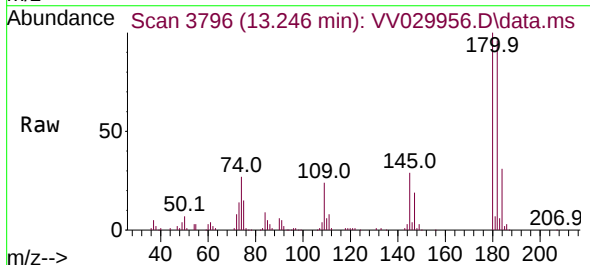
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.4	113.2
184	30.7	23.9	35.9
145	28.6	23.6	35.4

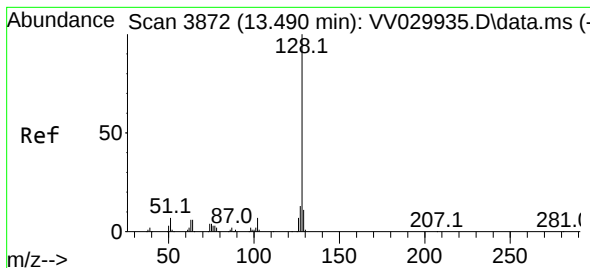


#70
 1,2,4-trichlorobenzene
 Concen: 4.447 ug/L
 RT: 13.246 min Scan# 3796
 Delta R.T. 0.000 min
 Lab File: VV029956.D
 Acq: 25 Jan 2023 20:39

Tgt Ion:180 Resp: 118399

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	29.0	23.7	35.5





#71

Naphthalene

Concen: 4.417 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

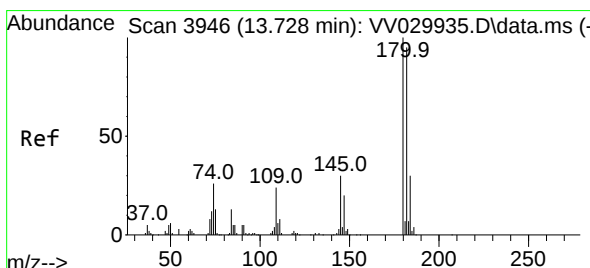
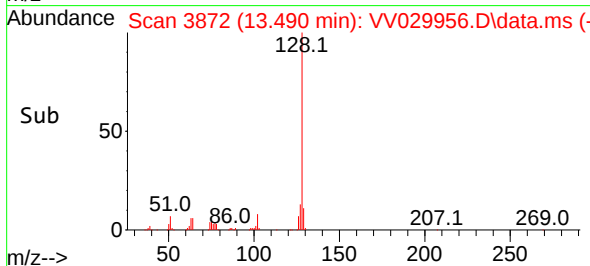
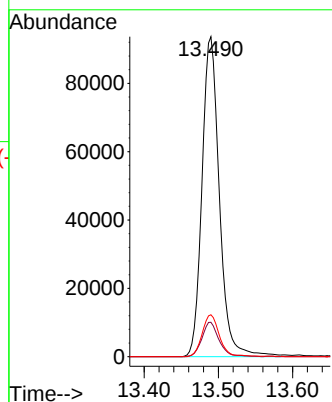
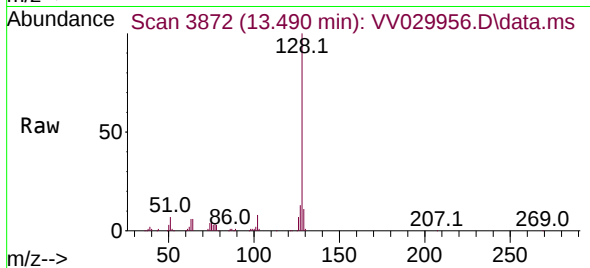
Tgt Ion:128 Resp: 152365

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 13.1 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.615 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.003 min

Lab File: VV029956.D

Acq: 25 Jan 2023 20:39

Tgt Ion:180 Resp: 101982

Ion Ratio Lower Upper

180 100

182 96.4 75.5 113.3

145 31.5 25.0 37.6

