

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW033023\
 Data File : VW030361.D
 Acq On : 30 Mar 2023 15:55
 Operator : SY/MD
 Sample : 02092-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB989

Quant Time: Mar 31 05:41:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	108603	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	110199	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63978	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	27894	3.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.536	69	31683	4.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.063	63	49763	2.916	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.400%#
20) 2-Butanone-d5	3.835	46	89648	48.220	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.440%
24) Chloroform-d	4.262	84	86449	4.966	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	4.957	65	44666	5.438	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	4.973	84	147119	4.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.998	67	50097	5.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.252	98	120450	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	7.564	79	17160	4.688	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.037	63	74038	50.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.680%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	39555	5.162	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	62973	5.507	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.114	85	3309	0.240	ug/L #	88
3) Chloromethane	1.217	50	3946	0.227	ug/L	99
5) Vinyl chloride	1.388	62	1197	0.094	ug/L	99
6) Bromomethane	1.497	94	611	0.169	ug/L	74
14) Carbon disulfide	2.249	76	2876	0.096	ug/L #	75
30) Cyclohexane	4.597	56	3410	0.211	ug/L #	84
33) Benzene	5.024	78	7486	0.191	ug/L	100
35) Methylcyclohexane	6.063	83	7270	0.439	ug/L	96
37) 1,2-Dichloropropane	5.998	63	6133	0.610	ug/L #	86
42) Toluene	7.330	91	5096	0.122	ug/L	87
44) trans-1,3-Dichloropropene	7.561	75	1073	0.089	ug/L #	50
45) 1,1,2-Trichloroethane	7.728	97	928	0.131	ug/L #	24
51) Chlorobenzene	8.822	112	118962	4.457	ug/L	98
53) m,p-Xylene	9.085	106	7500	0.430	ug/L	95
54) o-Xylene	9.487	106	5429	0.325	ug/L	94
60) Isopropylbenzene	9.876	105	82094	1.740	ug/L	99
61) 1,2,3-Trichloropropane	9.879	75	1331	0.233	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.484	105	6261	0.163	ug/L	91
63) 1,2,4-Trimethylbenzene	10.860	105	6189	0.158	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 31 05:37:21 2023
Response via : Initial Calibration

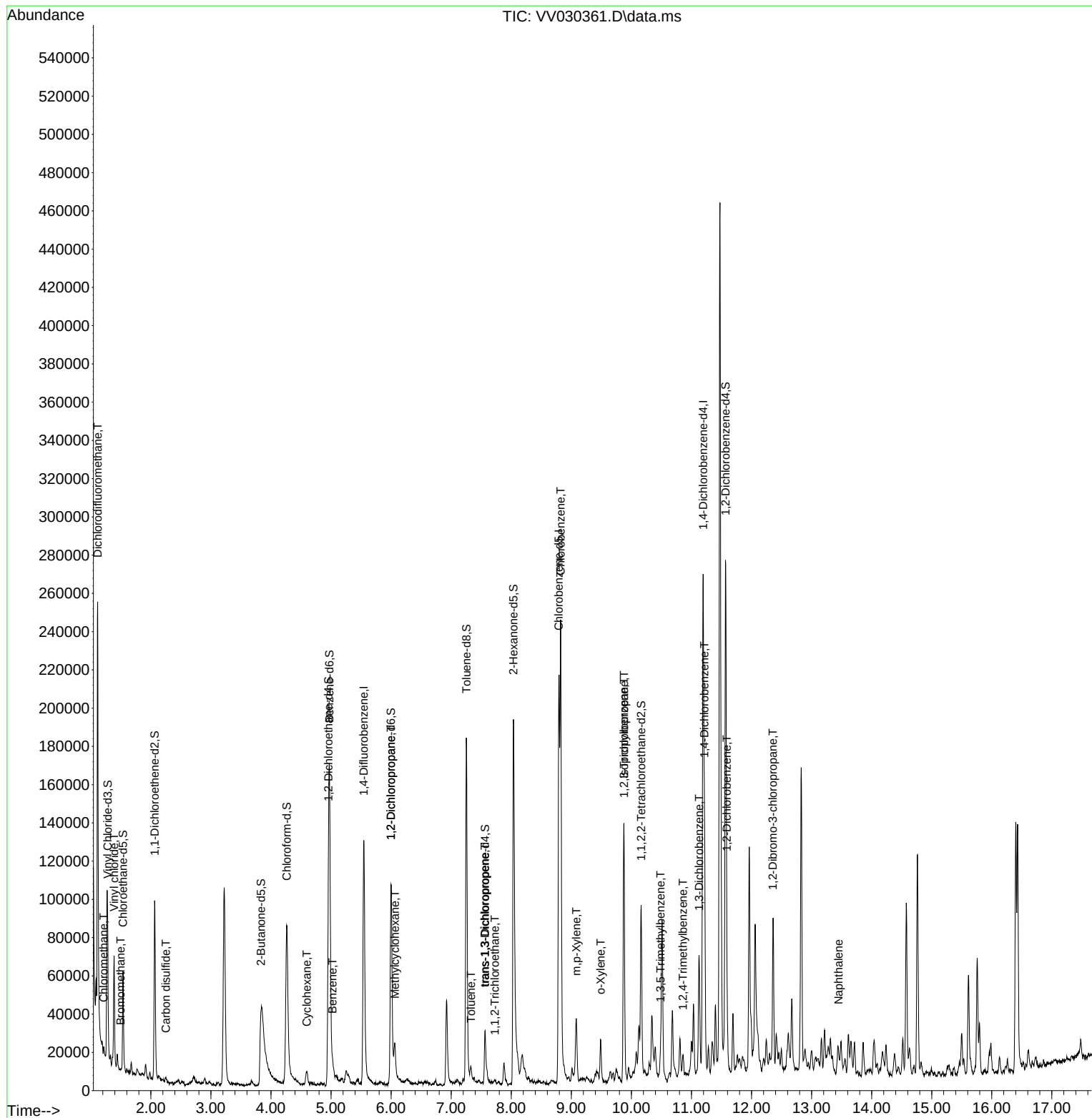
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.127	146	22006	0.935	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	48217	2.034	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	3808	0.180	ug/L	87
68) 1,2-Dibromo-3-chloropr...	12.355	75	685	0.481	ug/L #	3
71) Naphthalene	13.448	128	5414	0.271	ug/L #	77

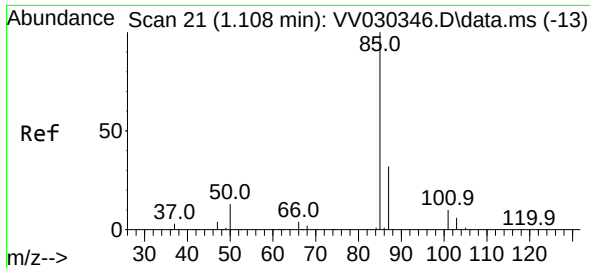
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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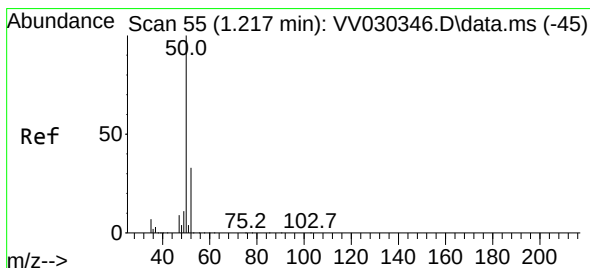
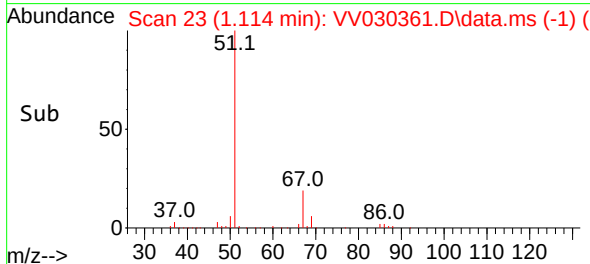
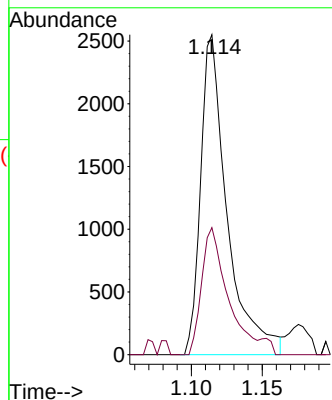
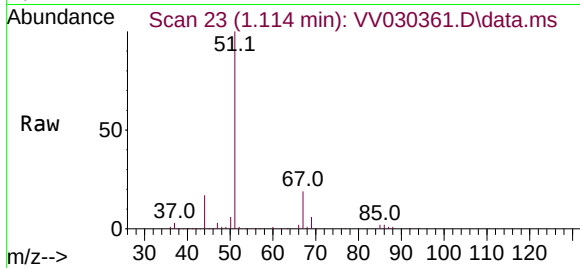




#2
 Dichlorodifluoromethane
 Concen: 0.240 ug/L
 RT: 1.114 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

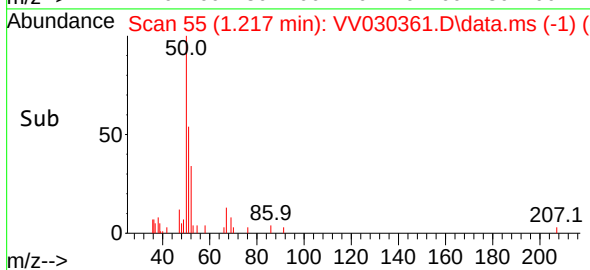
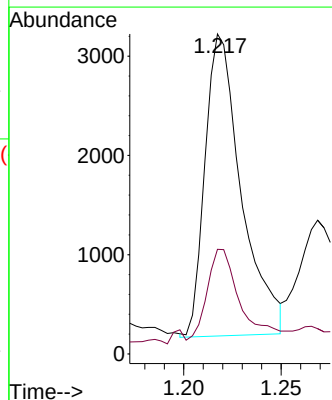
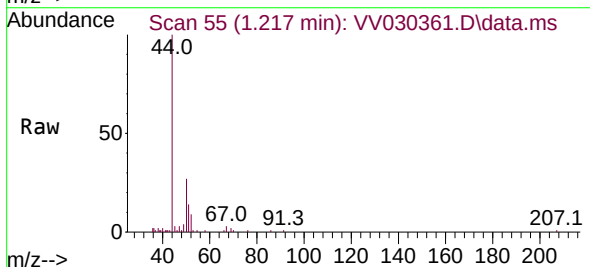
Instrument :
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 ClientSampleId :
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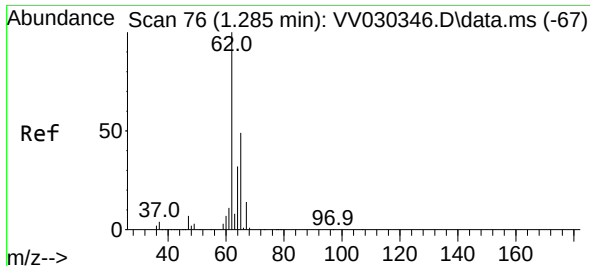
Tgt Ion: 85 Resp: 3309
 Ion Ratio Lower Upper
 85 100
 87 39.0 25.6 38.4#



#3
 Chloromethane
 Concen: 0.227 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

Tgt Ion: 50 Resp: 3946
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.3 41.5

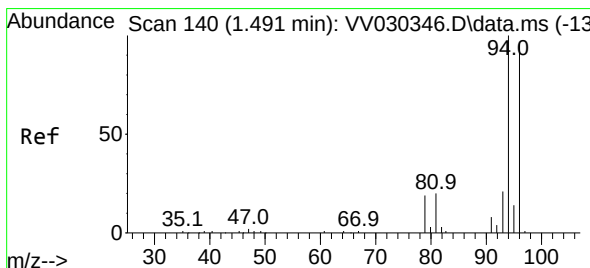
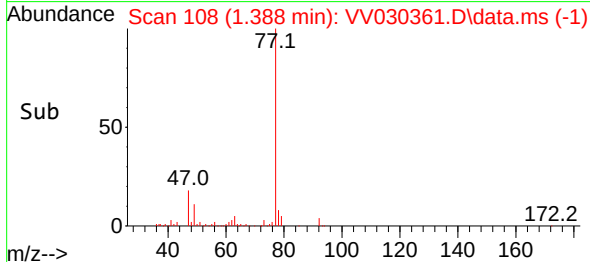
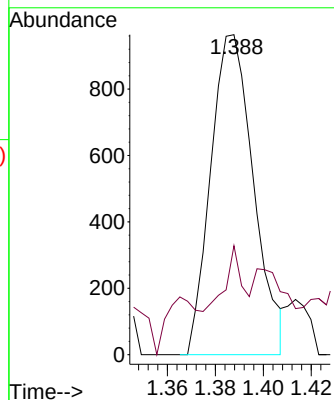
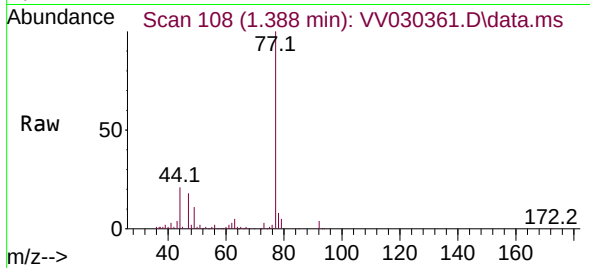




#5
 Vinyl chloride
 Concen: 0.094 ug/L
 RT: 1.388 min Scan# 108
 Delta R.T. 0.103 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

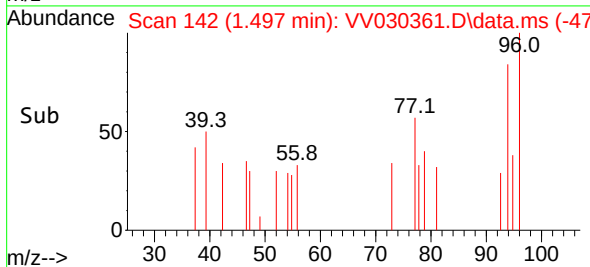
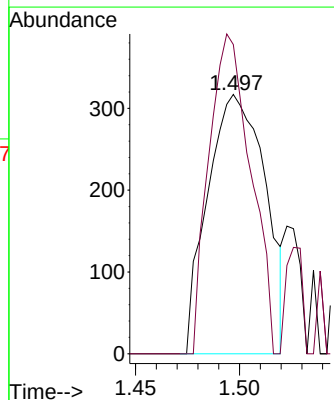
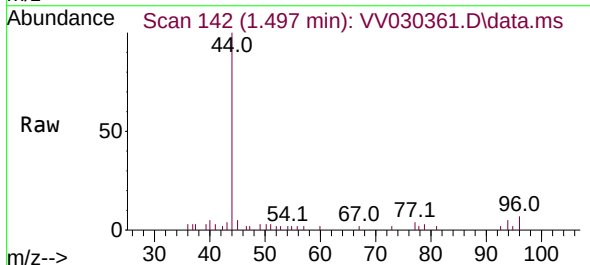
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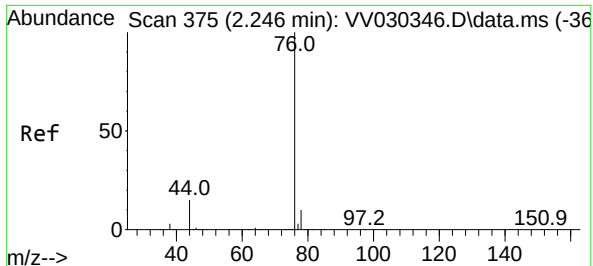
Tgt Ion: 62 Resp: 1197
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.2



#6
 Bromomethane
 Concen: 0.169 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.006 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

Tgt Ion: 94 Resp: 611
 Ion Ratio Lower Upper
 94 100
 96 119.2 66.1 122.7

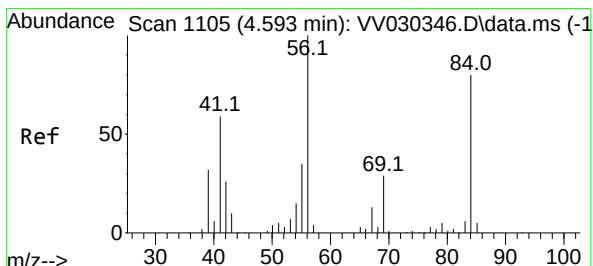
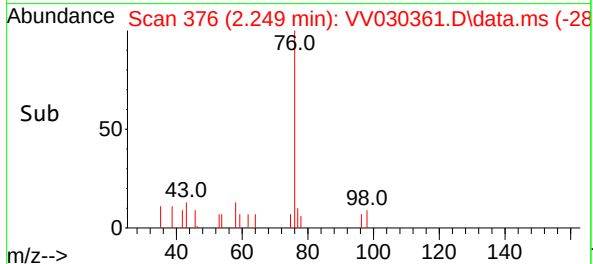
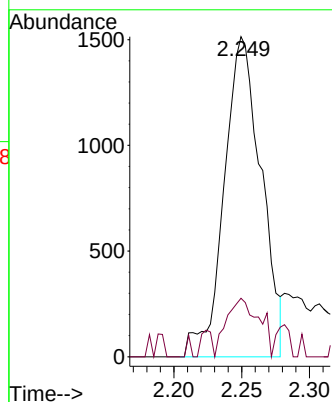
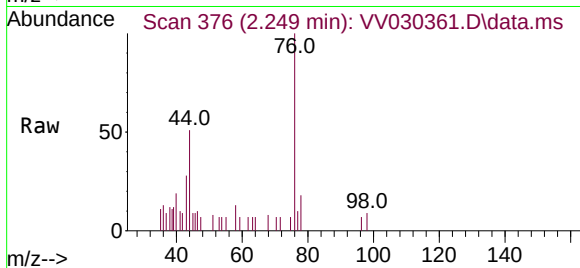




#14
Carbon disulfide
Concen: 0.096 ug/L
RT: 2.249 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

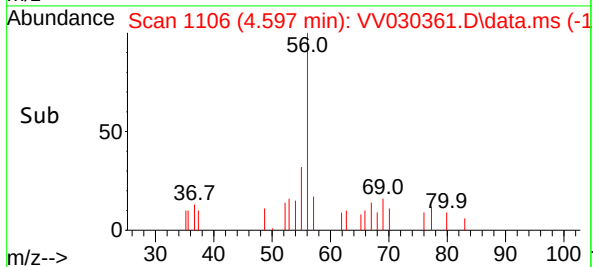
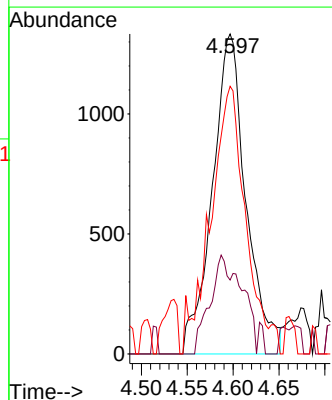
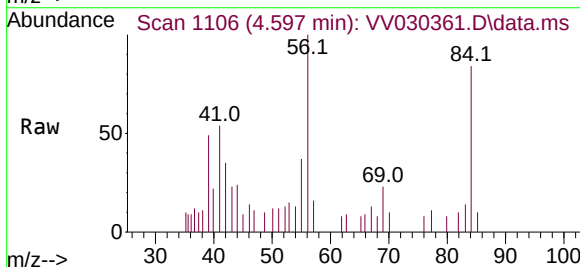
Instrument :
MSVOA_V
ClientSampleId :
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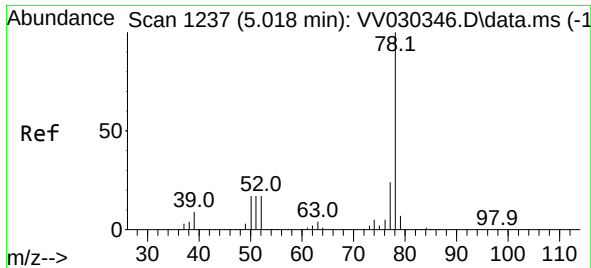
Tgt Ion: 76 Resp: 2876
Ion Ratio Lower Upper
76 100
78 18.3 7.3 10.9#



#30
Cyclohexane
Concen: 0.211 ug/L
RT: 4.597 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion: 56 Resp: 3410
Ion Ratio Lower Upper
56 100
69 17.4 24.2 36.2#
84 71.1 66.6 100.0

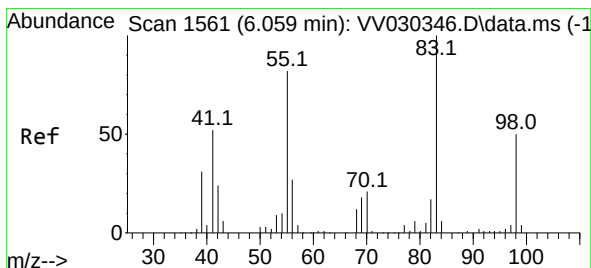
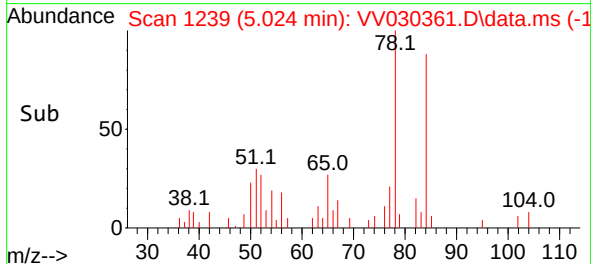
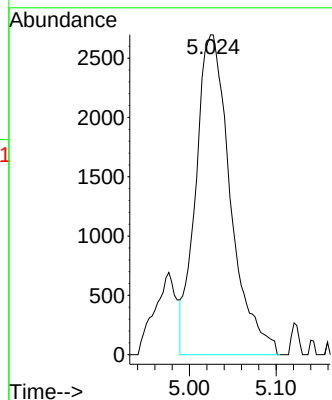
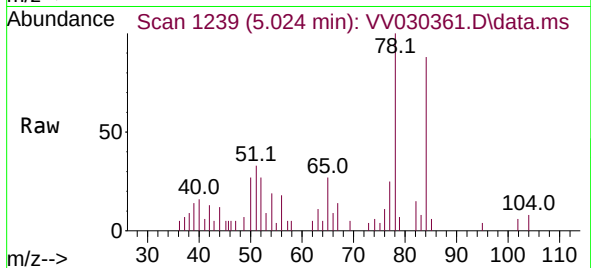




#33
Benzene
Concen: 0.191 ug/L
RT: 5.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

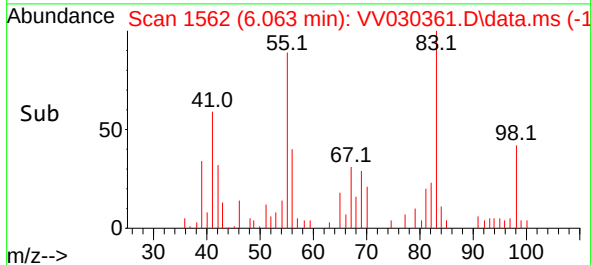
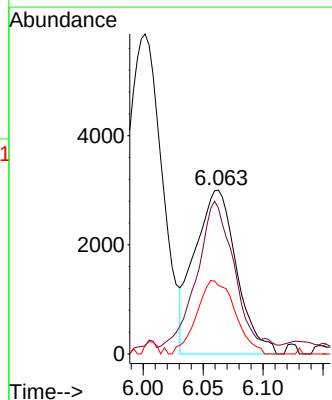
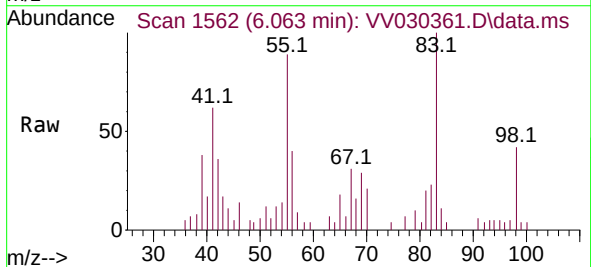
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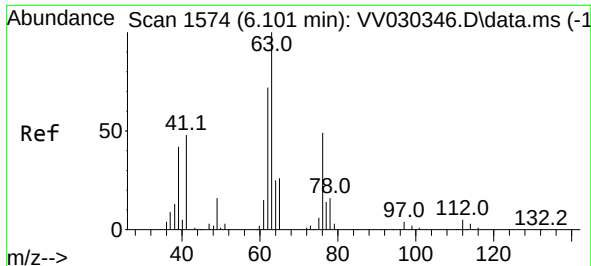
Tgt Ion: 78 Resp: 7486



#35
Methylcyclohexane
Concen: 0.439 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. 0.003 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion: 83 Resp: 7270
Ion Ratio Lower Upper
83 100
55 82.6 66.6 100.0
98 41.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 0.610 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030361.D

Acq: 30 Mar 2023 15:55

Instrument :

MSVOA_V

ClientSampleId :

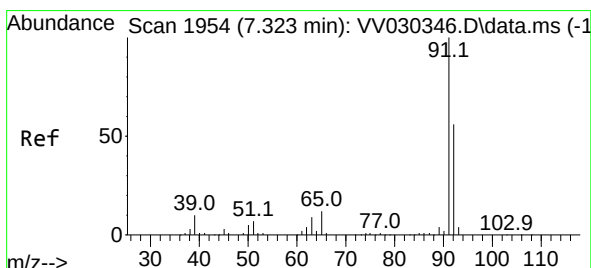
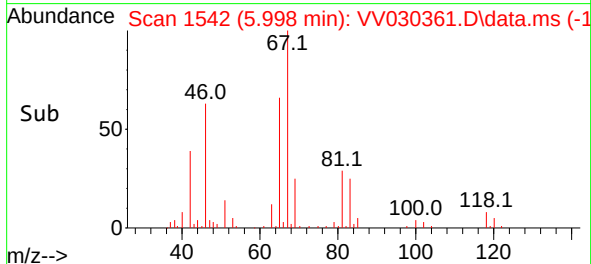
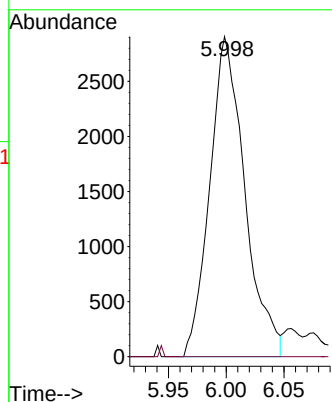
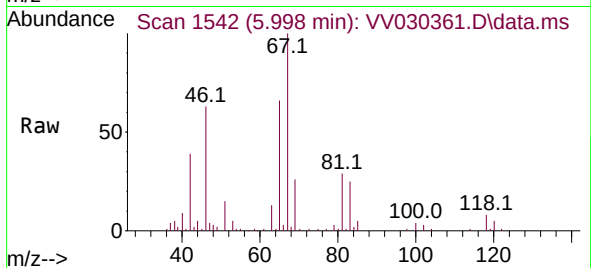
CB989

Tgt Ion: 63 Resp: 6133

Ion Ratio Lower Upper

63 100

112 0.3 3.9 5.9#



#42

Toluene

Concen: 0.122 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VV030361.D

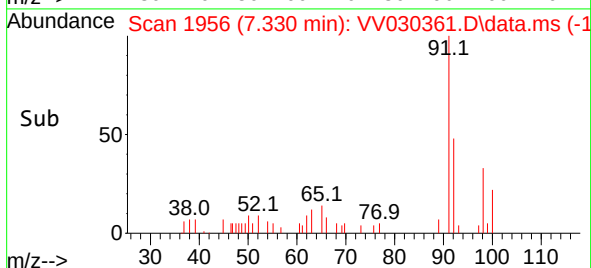
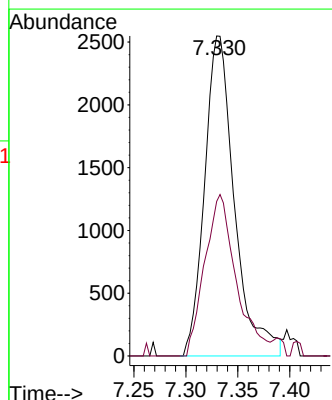
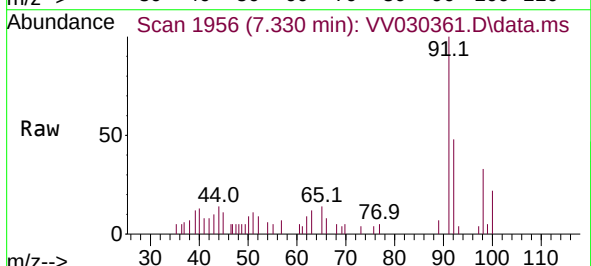
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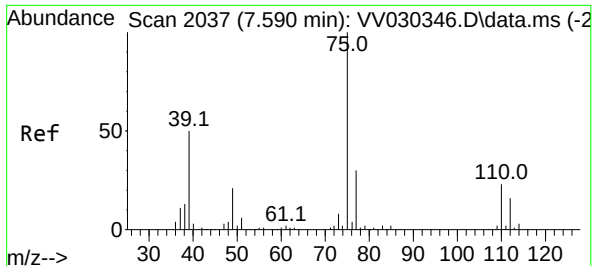
Tgt Ion: 91 Resp: 5096

Ion Ratio Lower Upper

91 100

92 48.3 40.4 75.0

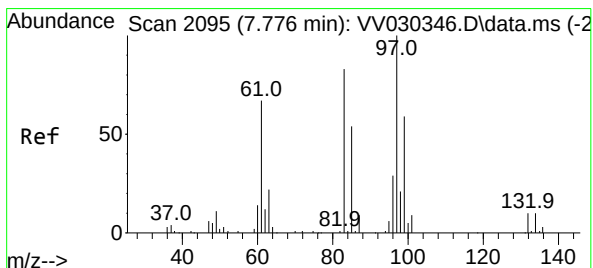
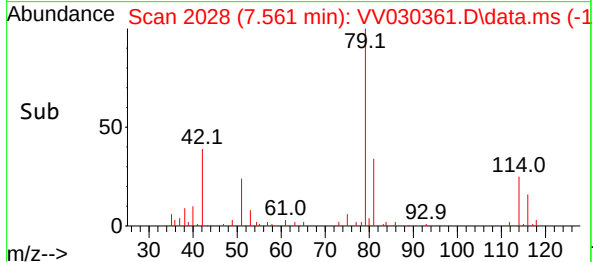
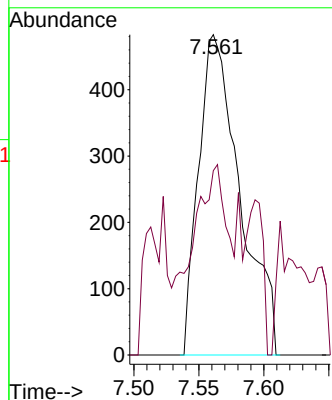
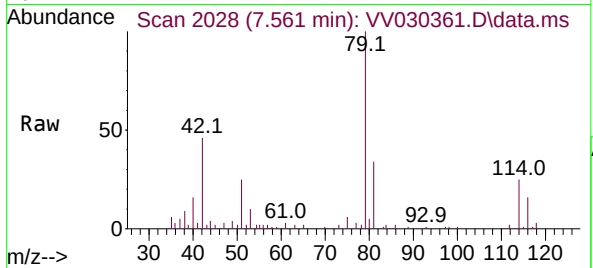




#44
trans-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.561 min Scan# 2037
Delta R.T. -0.029 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

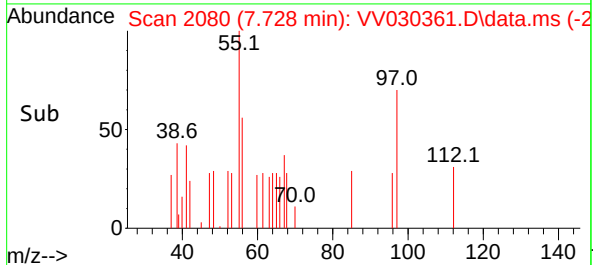
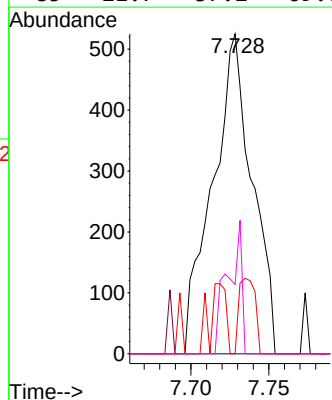
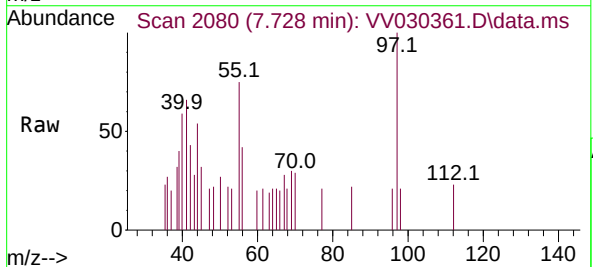
Instrument :
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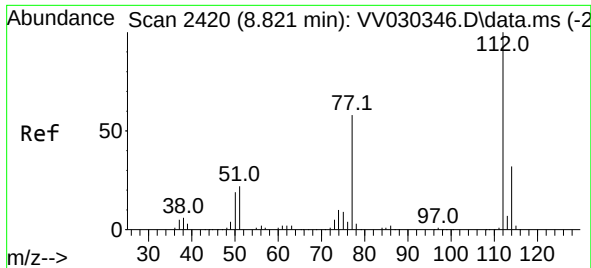
Tgt Ion: 75 Resp: 1073
Ion Ratio Lower Upper
75 100
77 57.6 21.2 39.4#



#45
1,1,2-Trichloroethane
Concen: 0.131 ug/L
RT: 7.728 min Scan# 2080
Delta R.T. -0.048 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion: 97 Resp: 928
Ion Ratio Lower Upper
97 100
99 0.0 44.0 81.8#
83 0.0 58.8 109.2#
85 21.7 37.2 69.0#

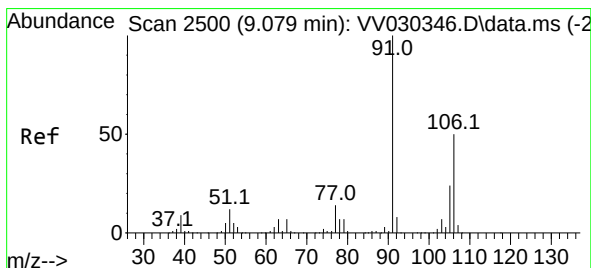
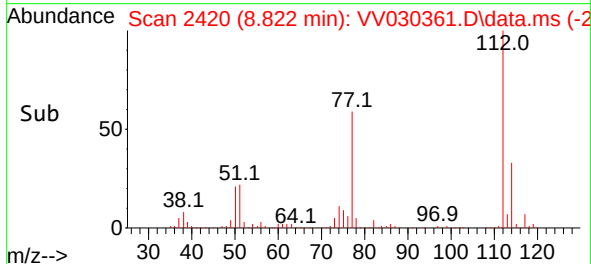
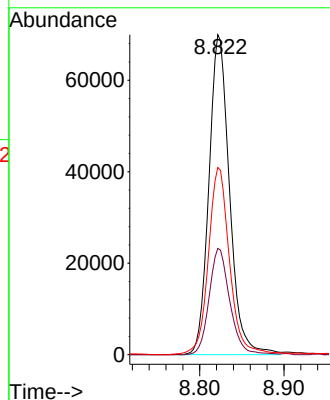
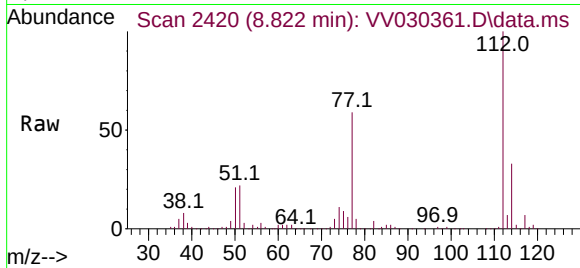




#51
Chlorobenzene
Concen: 4.457 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

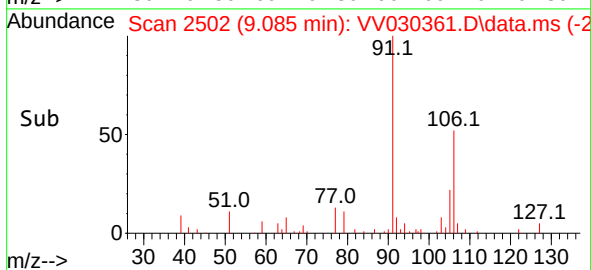
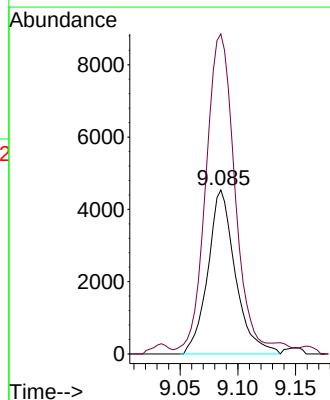
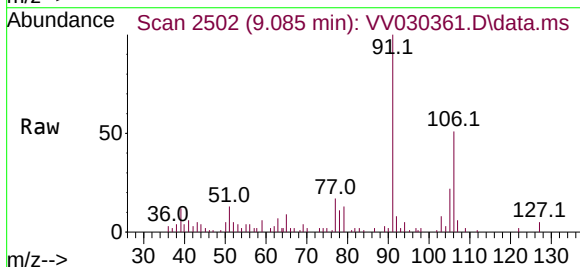
Instrument :
MSVOA_V
ClientSampleId :
CB989

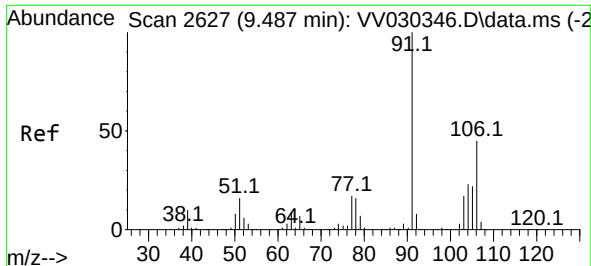
Tgt Ion:112 Resp: 118962
Ion Ratio Lower Upper
112 100
114 33.2 22.4 41.6
77 58.5 45.9 68.9



#53
m,p-Xylene
Concen: 0.430 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.006 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion:106 Resp: 7500
Ion Ratio Lower Upper
106 100
91 195.0 142.4 264.4

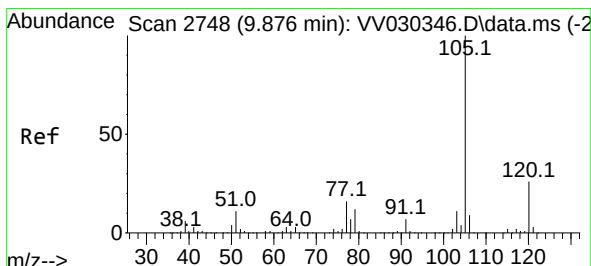
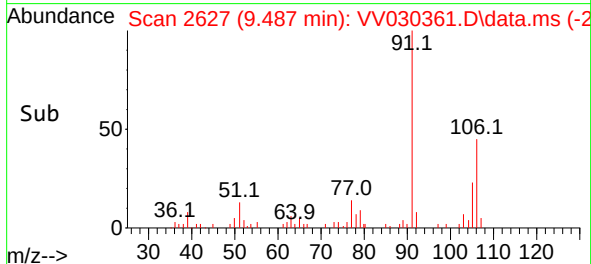
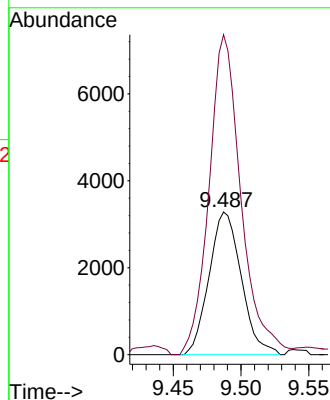
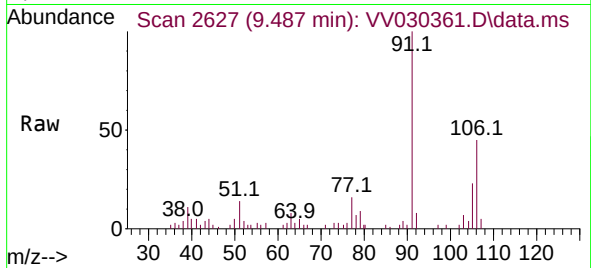




#54
o-Xylene
Concen: 0.325 ug/L
RT: 9.487 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

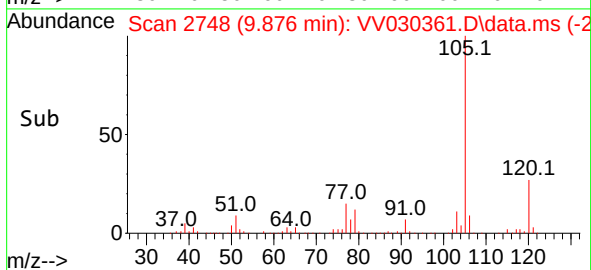
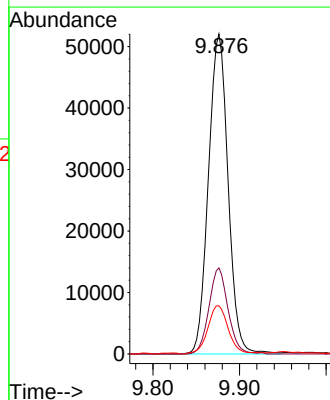
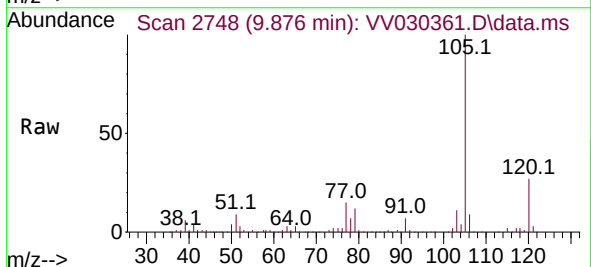
Instrument :
MSVOA_V
ClientSampleId :
CB989

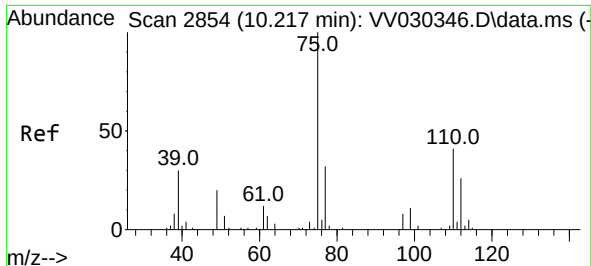
Tgt Ion:106 Resp: 5429
Ion Ratio Lower Upper
106 100
91 224.1 149.8 278.2



#60
Isopropylbenzene
Concen: 1.740 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion:105 Resp: 82094
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 15.6 12.9 19.3

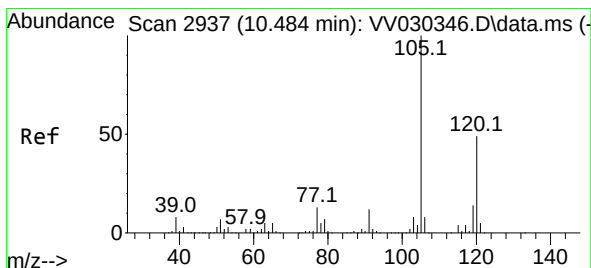
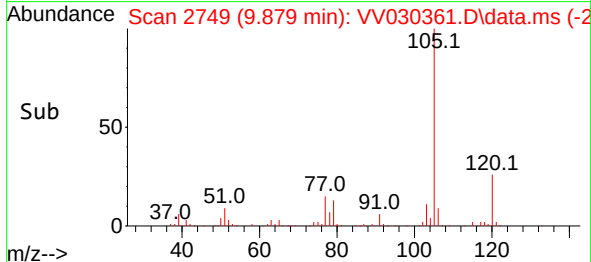
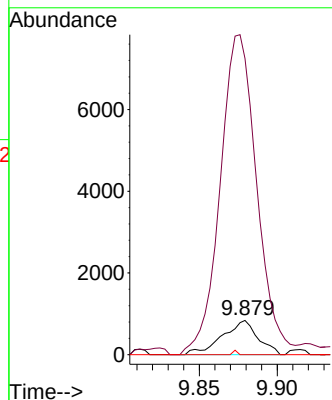
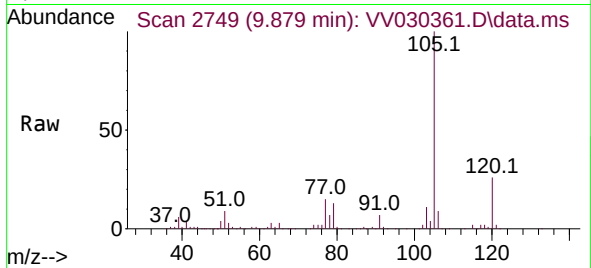




#61
1,2,3-Trichloropropane
Concen: 0.233 ug/L
RT: 9.879 min Scan# 21
Delta R.T. -0.338 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

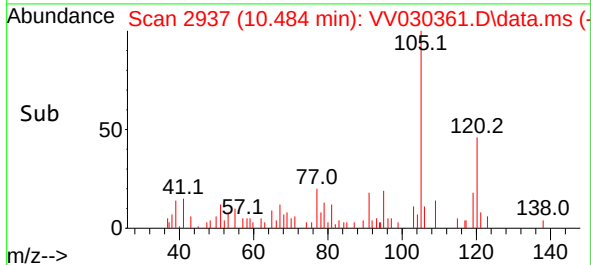
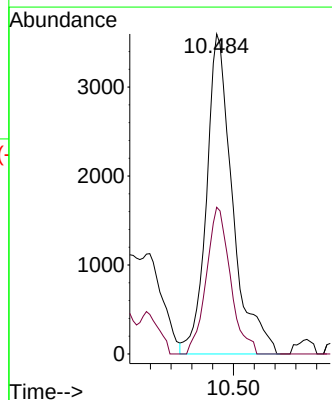
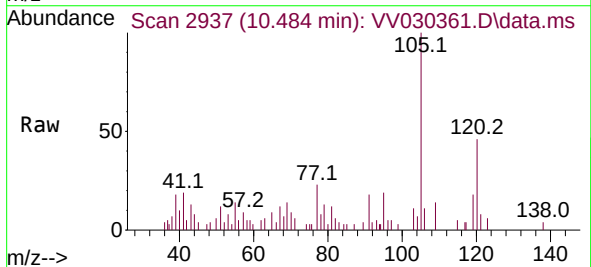
Instrument :
MSVOA_V
ClientSampleId :
CB989

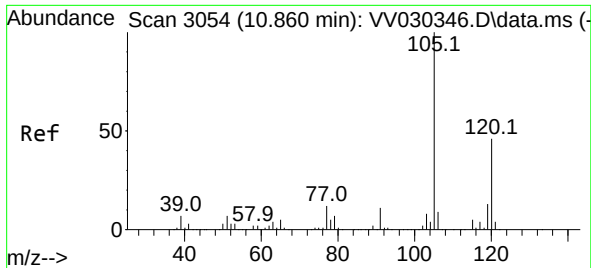
Tgt Ion: 75 Resp: 1331
Ion Ratio Lower Upper
75 100
77 960.8 26.0 39.0#
110 5.3 31.6 47.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.163 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion: 105 Resp: 6261
Ion Ratio Lower Upper
105 100
120 42.4 38.9 58.3

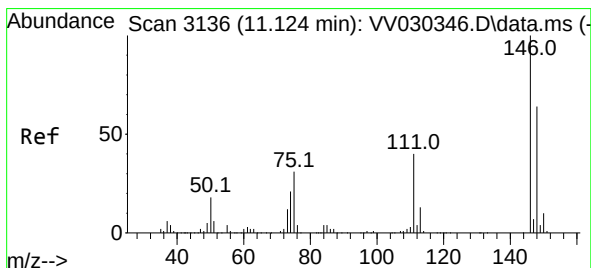
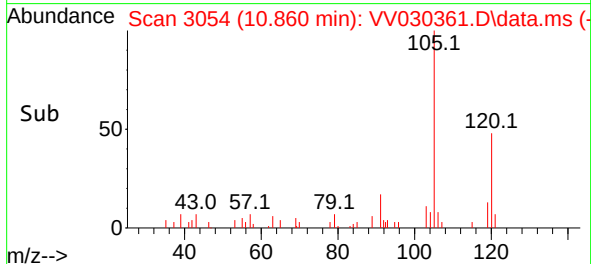
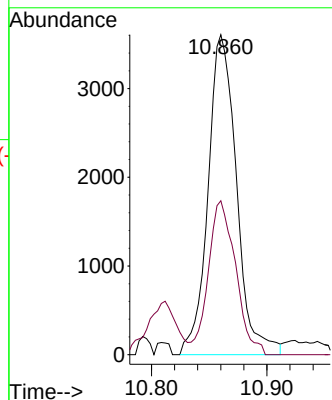
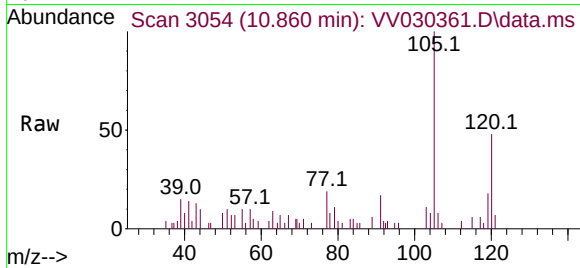




#63
1,2,4-Trimethylbenzene
Concen: 0.158 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

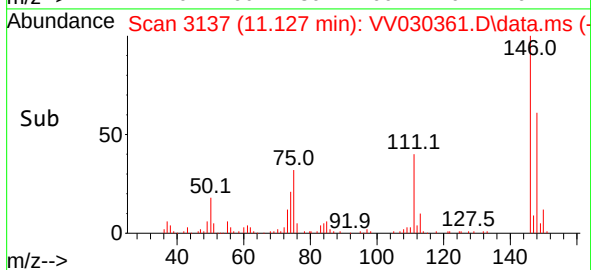
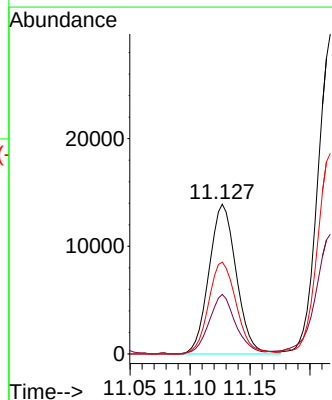
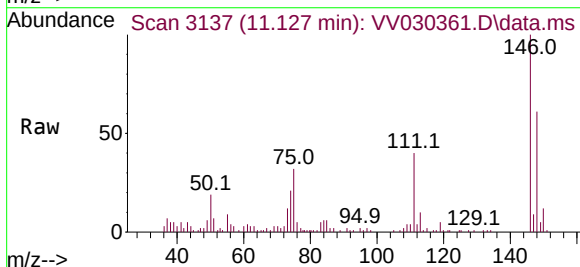
Instrument :
MSVOA_V
ClientSampleId :
CB989

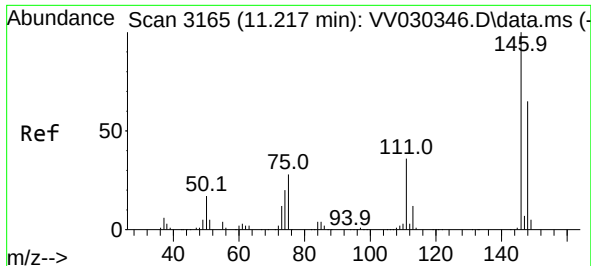
Tgt Ion:105 Resp: 6189
Ion Ratio Lower Upper
105 100
120 46.4 36.8 55.2



#64
1,3-Dichlorobenzene
Concen: 0.935 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion:146 Resp: 22006
Ion Ratio Lower Upper
146 100
111 39.8 27.0 50.2
148 61.3 44.2 82.2

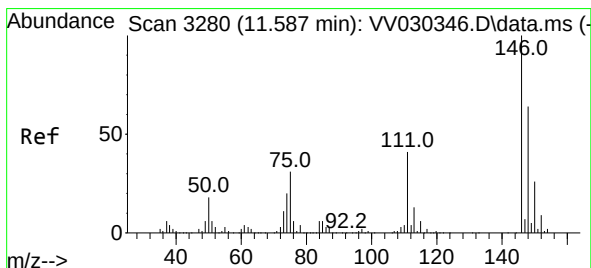
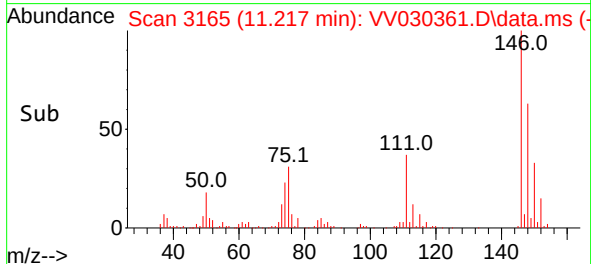
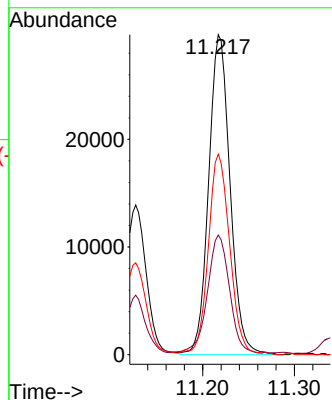
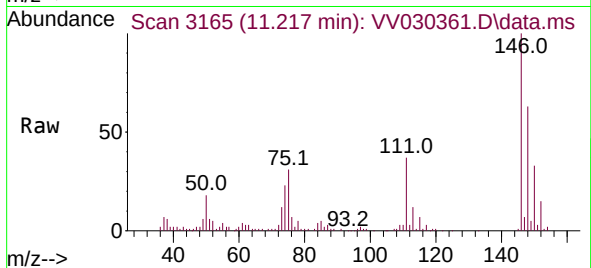




#65
1,4-Dichlorobenzene
Concen: 2.034 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

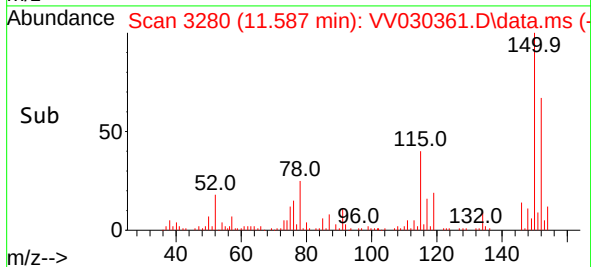
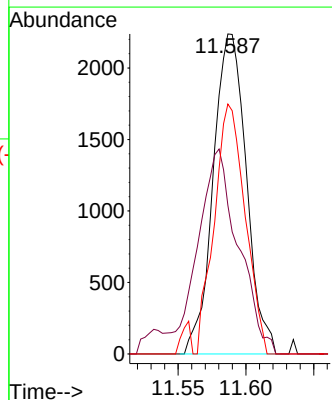
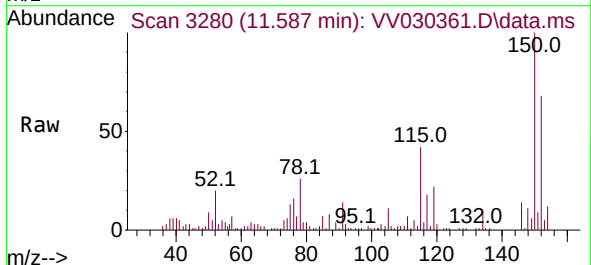
Instrument :
MSVOA_V
ClientSampleId :
CB989

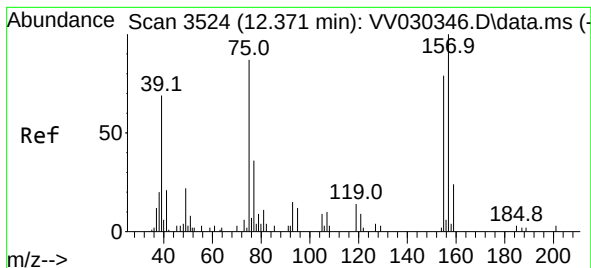
Tgt Ion:146 Resp: 48217
Ion Ratio Lower Upper
146 100
111 37.4 26.0 48.4
148 62.7 45.2 84.0



#67
1,2-Dichlorobenzene
Concen: 0.180 ug/L
RT: 11.587 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VV030361.D
Acq: 30 Mar 2023 15:55

Tgt Ion:146 Resp: 3808
Ion Ratio Lower Upper
146 100
111 46.5 33.1 49.7
148 78.1 52.2 78.2

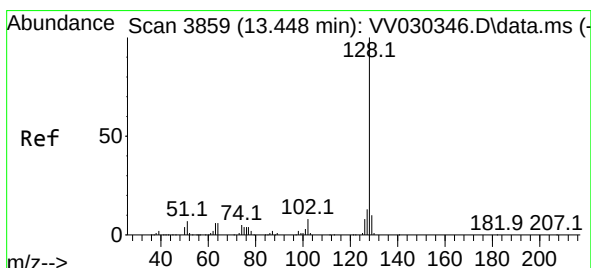
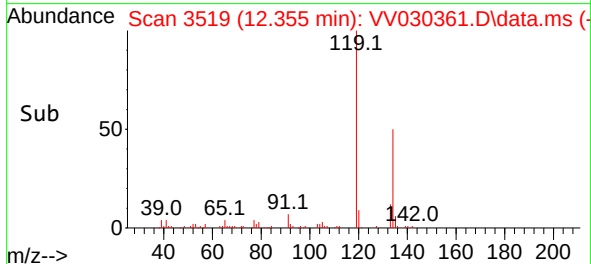
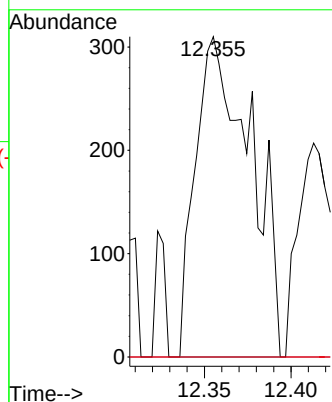
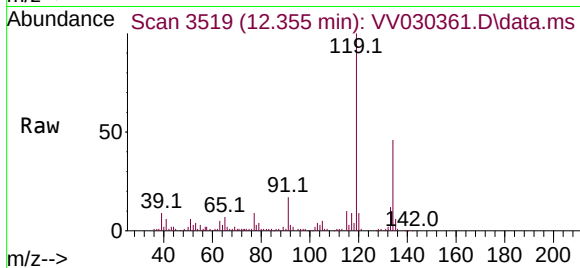




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.481 ug/L
 RT: 12.355 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 CB989

Tgt Ion: 75 Resp: 685
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.6 96.8#
 157 0.0 83.8 125.6#



#71
 Naphthalene
 Concen: 0.271 ug/L
 RT: 13.448 min Scan# 3859
 Delta R.T. 0.000 min
 Lab File: VV030361.D
 Acq: 30 Mar 2023 15:55

Tgt Ion: 128 Resp: 5414
 Ion Ratio Lower Upper
 128 100
 129 21.4 8.9 13.3#
 127 21.2 10.8 16.2#

