

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030323\
 Data File : VW030131.D
 Acq On : 03 Mar 2023 11:27
 Operator : SY/MD
 Sample : 01769-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL4

Quant Time: Mar 03 22:26:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	140285	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	137401	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	73077	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	43286	4.769	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.539	69	45077	5.290	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.800%
11) 1,1-Dichloroethene-d2	2.066	63	69866	3.744	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.822	46	97775	58.424	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.840%
24) Chloroform-d	4.262	84	100233	5.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	4.953	65	43069	5.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.800%
32) Benzene-d6	4.973	84	179555	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	5.998	67	59544	5.353	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.252	98	152481	4.351	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	7.561	79	17484	4.595	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.037	63	87020	55.274	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.540%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	45613	5.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.200%
66) 1,2-Dichlorobenzene-d4	11.571	152	65033	5.260	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1040	0.091	ug/L #	85
3) Chloromethane	1.220	50	3272	0.182	ug/L	94
5) Vinyl chloride	1.288	62	1313	0.110	ug/L #	29
22) cis-1,2-Dichloroethene	3.831	96	2432	0.246	ug/L	92
27) 1,2-Dichloroethane	5.021	62	887	0.098	ug/L #	71
33) Benzene	5.021	78	106498	2.838	ug/L	100
35) Methylcyclohexane	5.998	83	14522	0.913	ug/L #	20
37) 1,2-Dichloropropane	5.998	63	6003	0.629	ug/L #	87
39) cis-1,3-Dichloropropene	6.928	75	1167	0.084	ug/L #	71
45) 1,1,2-Trichloroethane	7.725	97	1245	0.182	ug/L #	16
48) 2-Hexanone	8.037	43	10491	3.720	ug/L #	62
51) Chlorobenzene	8.825	112	82458	3.008	ug/L	99
52) Ethylbenzene	8.957	91	4565	0.103	ug/L #	82
53) m,p-Xylene	9.085	106	5643	0.332	ug/L	97
54) o-Xylene	9.487	106	3779	0.233	ug/L	95
60) Isopropylbenzene	9.876	105	24813	0.590	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	14478	0.410	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	1902	0.087	ug/L	84
65) 1,4-Dichlorobenzene	11.217	146	4634	0.210	ug/L	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV030323\
Data File : VV030131.D
Acq On : 03 Mar 2023 11:27
Operator : SY/MD
Sample : 01769-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBYL4

Quant Time: Mar 03 22:26:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 03 22:25:34 2023
Response via : Initial Calibration

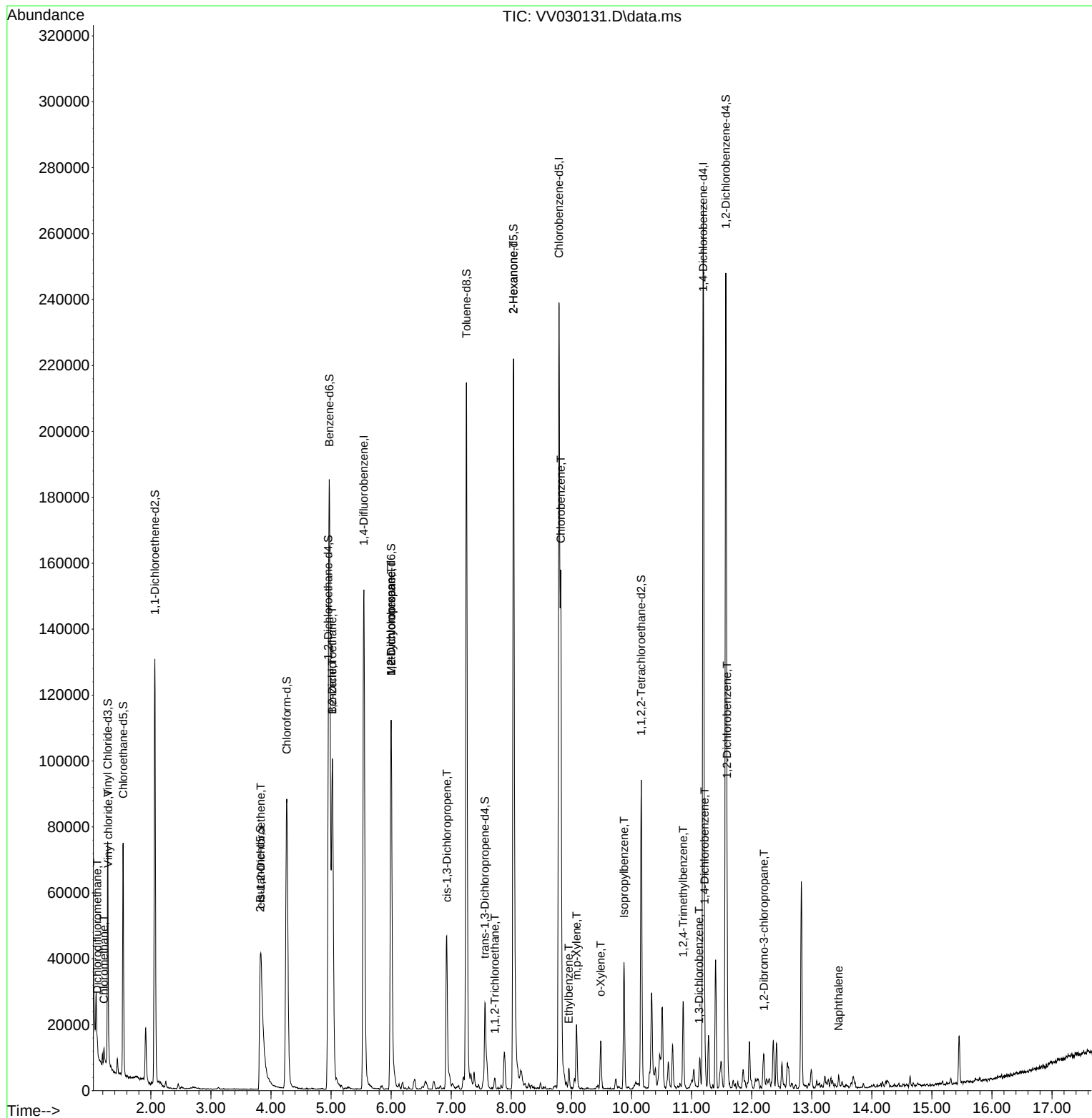
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.590	146	14198	0.734	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.204	75	326	0.298	ug/L #	1
71) Naphthalene	13.448	128	2242	0.118	ug/L #	95

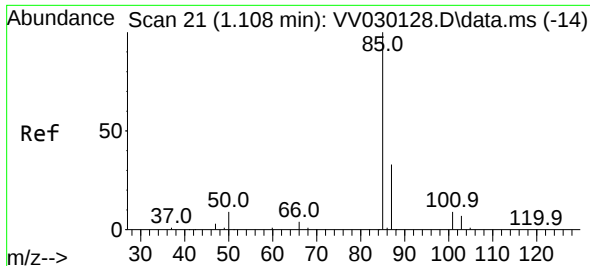
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV030323\
Data File : VV030131.D
Acq On : 03 Mar 2023 11:27
Operator : SY/MD
Sample : 01769-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBYL4

Quant Time: Mar 03 22:26:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 03 22:25:34 2023
Response via : Initial Calibration

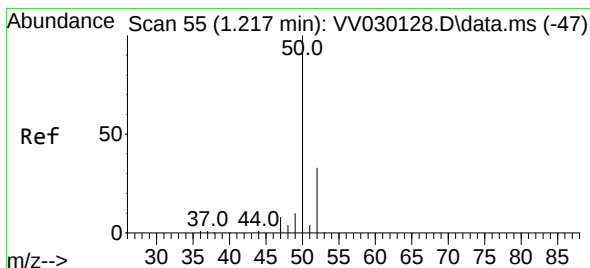
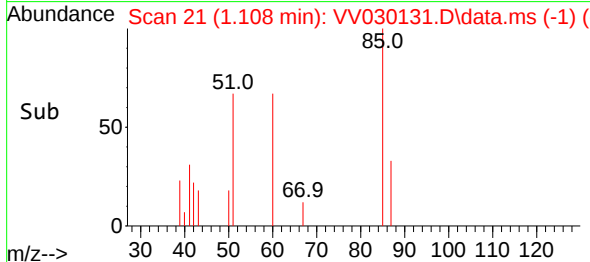
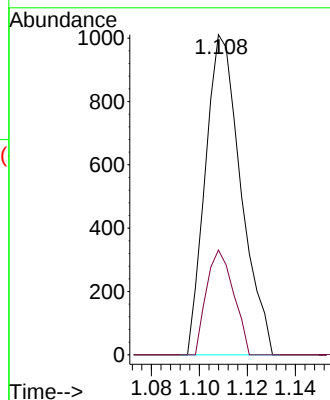
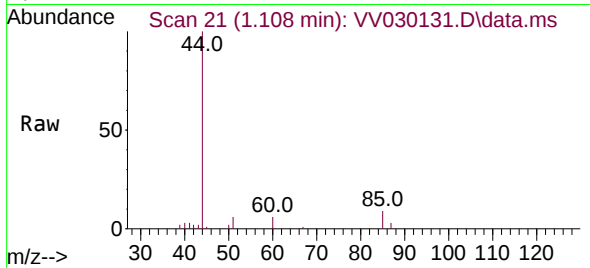




#2
 Dichlorodifluoromethane
 Concen: 0.091 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030131.D
 Acq: 03 Mar 2023 11:27

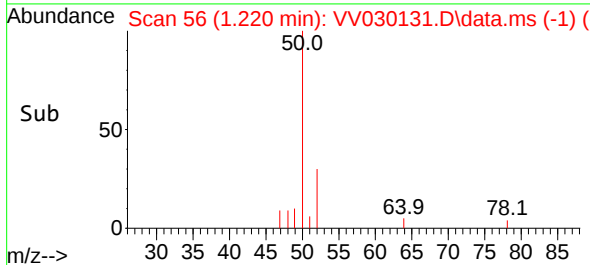
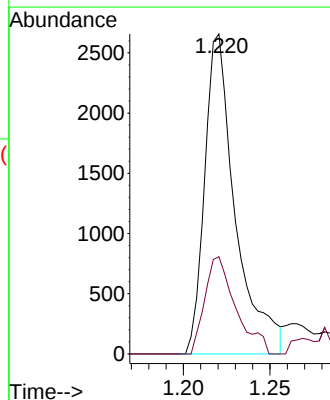
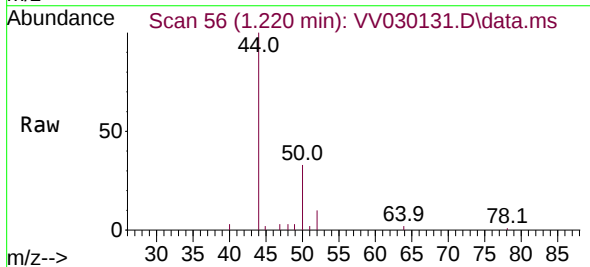
Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL4

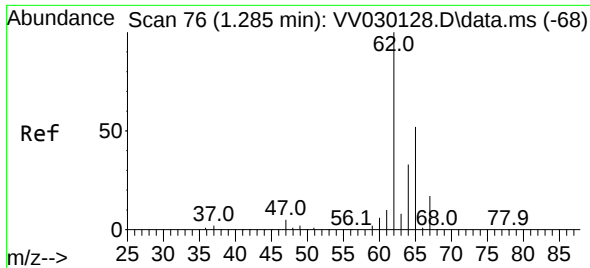
Tgt Ion: 85 Resp: 1040
 Ion Ratio Lower Upper
 85 100
 87 24.9 26.6 39.8#



#3
 Chloromethane
 Concen: 0.182 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV030131.D
 Acq: 03 Mar 2023 11:27

Tgt Ion: 50 Resp: 3272
 Ion Ratio Lower Upper
 50 100
 52 30.4 23.6 43.8

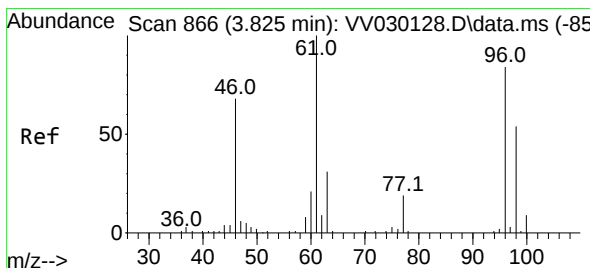
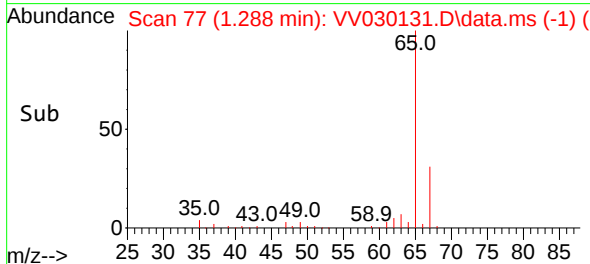
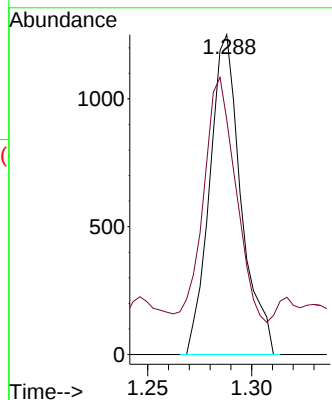
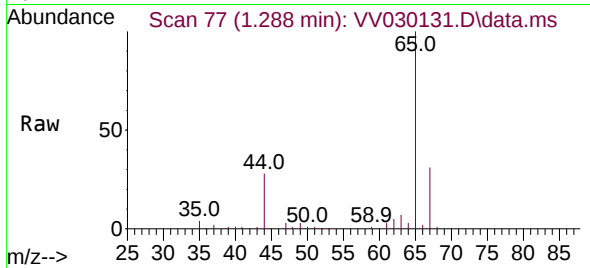




#5
 Vinyl chloride
 Concen: 0.110 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030131.D
 Acq: 03 Mar 2023 11:27

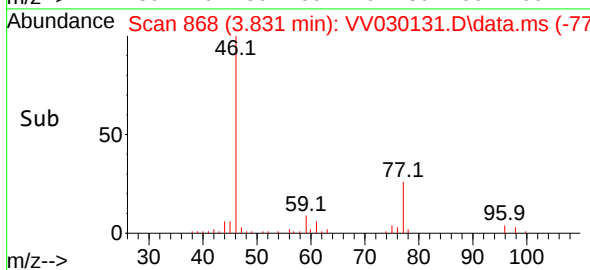
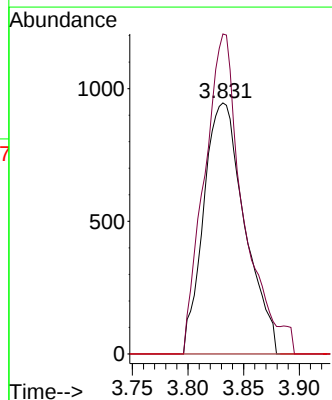
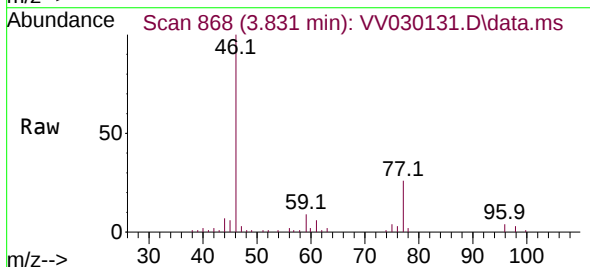
Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL4

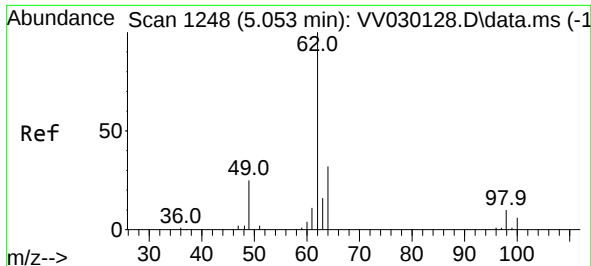
Tgt Ion: 62 Resp: 1313
 Ion Ratio Lower Upper
 62 100
 64 73.4 23.1 42.9#



#22
 cis-1,2-Dichloroethene
 Concen: 0.246 ug/L
 RT: 3.831 min Scan# 868
 Delta R.T. 0.006 min
 Lab File: VV030131.D
 Acq: 03 Mar 2023 11:27

Tgt Ion: 96 Resp: 2432
 Ion Ratio Lower Upper
 96 100
 61 127.5 83.4 154.8
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.098 ug/L

RT: 5.021 min Scan# 1238

Delta R.T. -0.032 min

Lab File: VV030131.D

Acq: 03 Mar 2023 11:27

Instrument :

MSVOA_V

ClientSampleId :

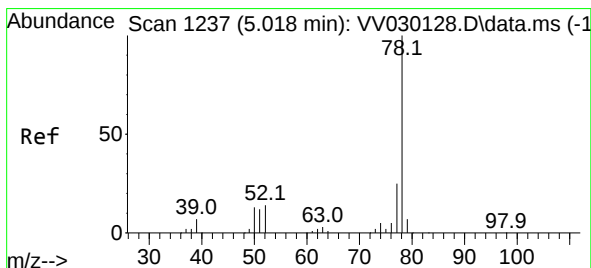
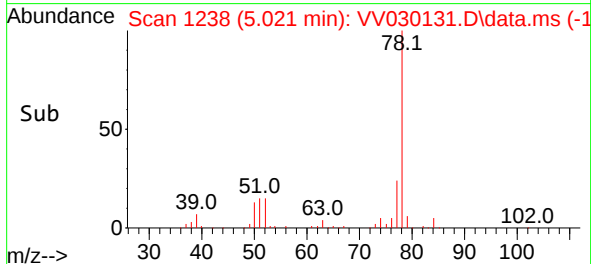
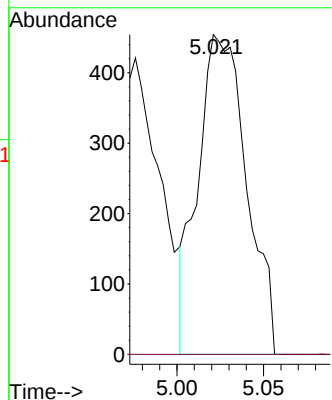
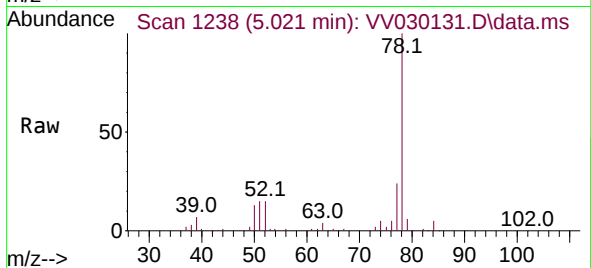
DBYL4

Tgt Ion: 62 Resp: 887

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#



#33

Benzene

Concen: 2.838 ug/L

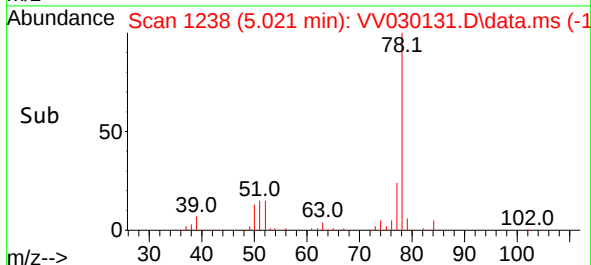
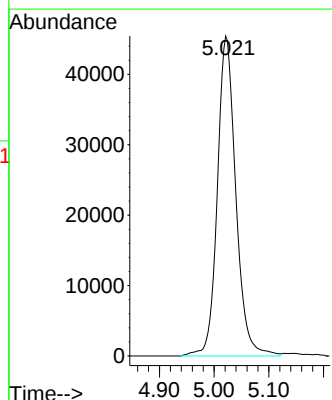
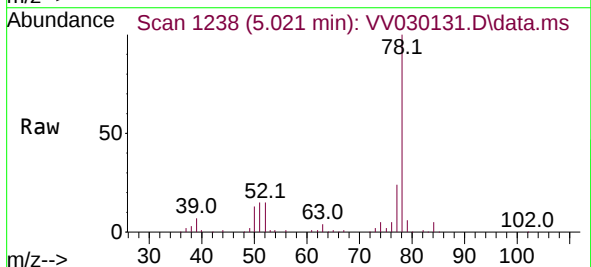
RT: 5.021 min Scan# 1238

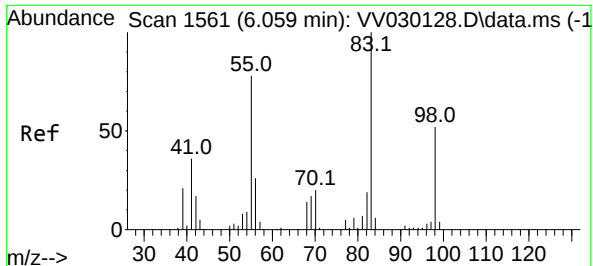
Delta R.T. 0.003 min

Lab File: VV030131.D

Acq: 03 Mar 2023 11:27

Tgt Ion: 78 Resp: 106498

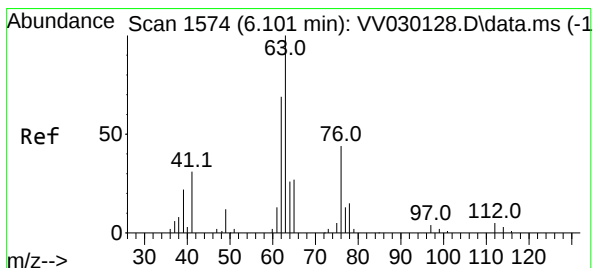
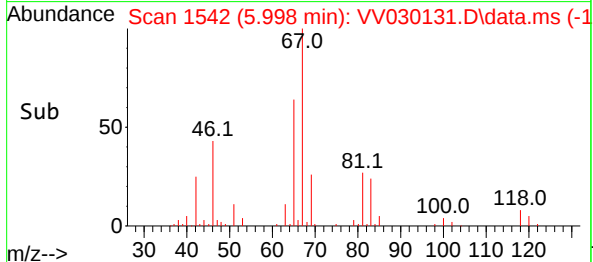
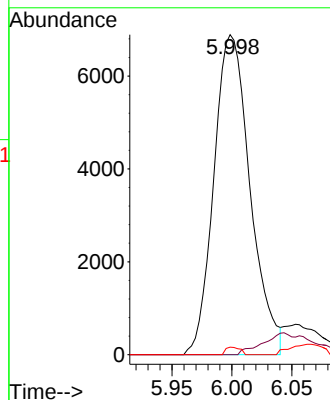
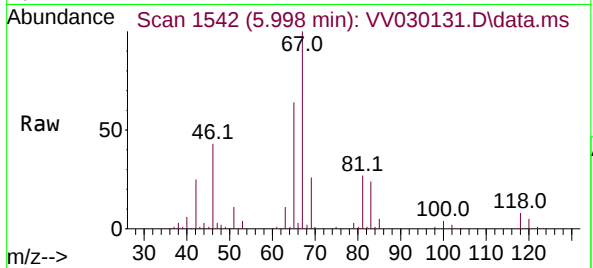




#35
Methylcyclohexane
Concen: 0.913 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.061 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

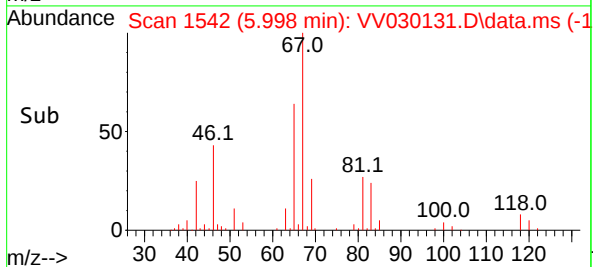
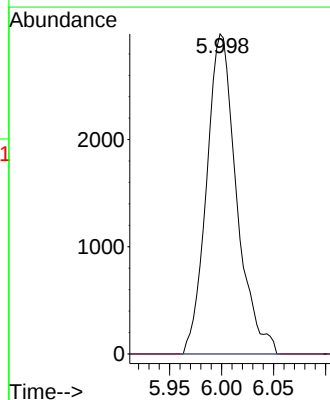
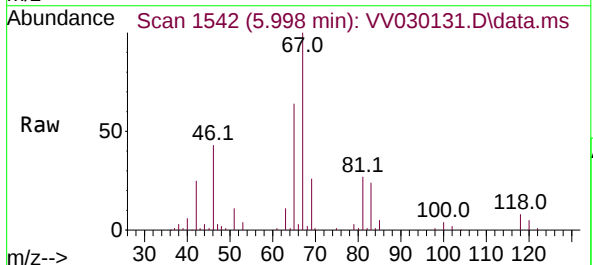
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

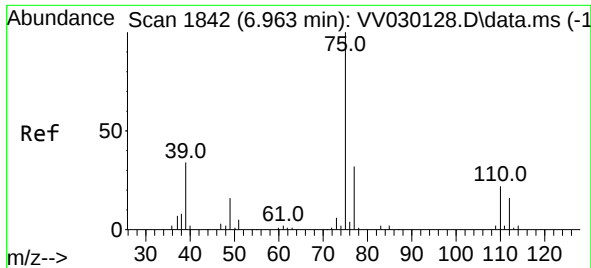
Tgt Ion: 83 Resp: 14522
Ion Ratio Lower Upper
83 100
55 0.0 57.6 86.4#
98 0.9 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.103 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion: 63 Resp: 6003
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.928 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV030131.D

Acq: 03 Mar 2023 11:27

Instrument :

MSVOA_V

ClientSampleId :

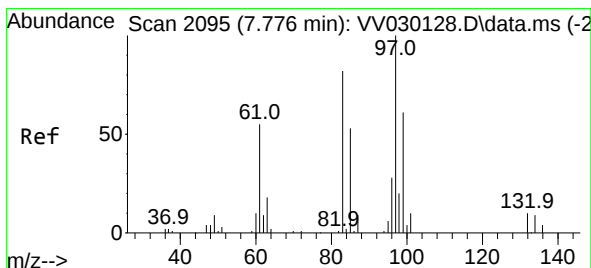
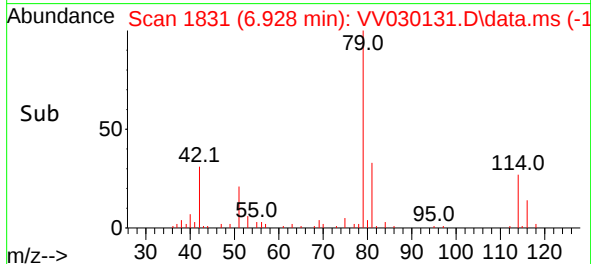
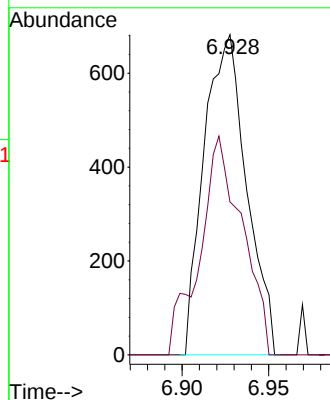
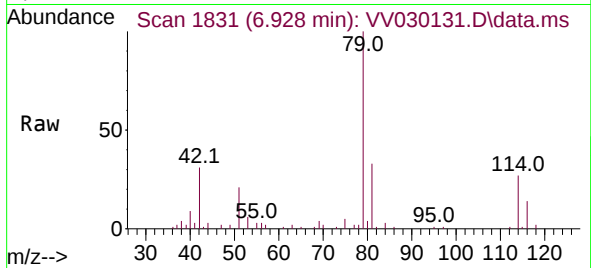
DBYL4

Tgt Ion: 75 Resp: 1167

Ion Ratio Lower Upper

75 100

77 47.8 22.3 41.3#



#45

1,1,2-Trichloroethane

Concen: 0.182 ug/L

RT: 7.725 min Scan# 2079

Delta R.T. -0.051 min

Lab File: VV030131.D

Acq: 03 Mar 2023 11:27

Tgt Ion: 97 Resp: 1245

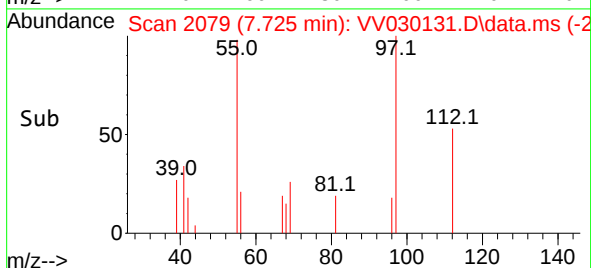
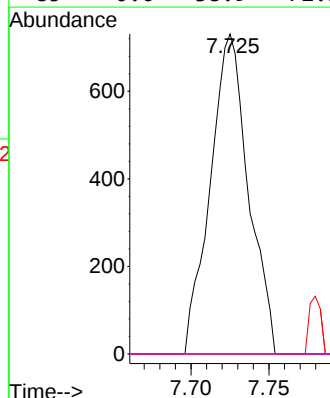
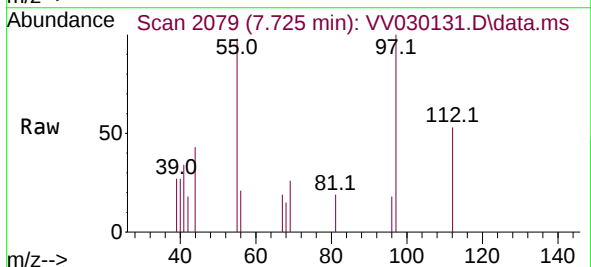
Ion Ratio Lower Upper

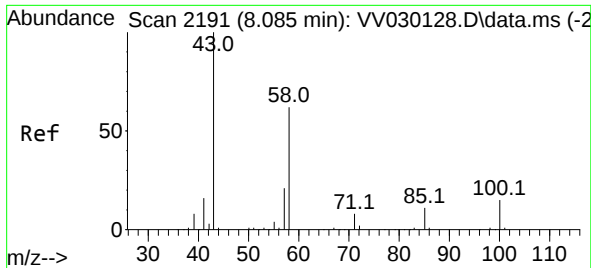
97 100

99 0.0 42.6 79.2#

83 0.0 57.7 107.3#

85 0.0 38.9 72.2#

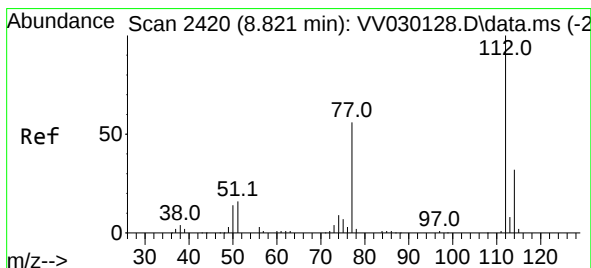
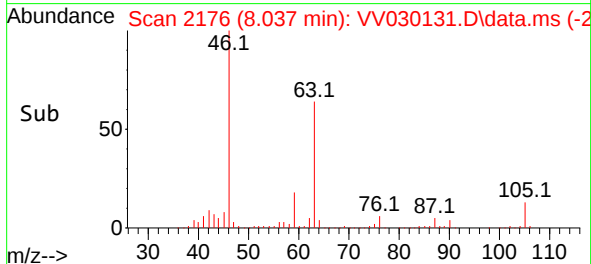
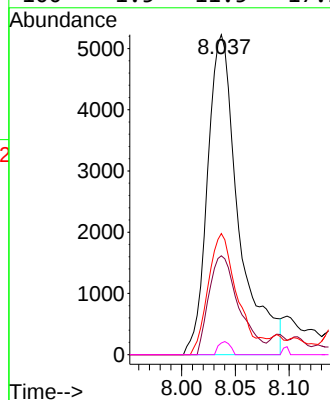
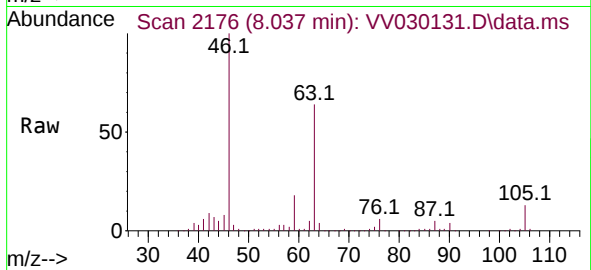




#48
2-Hexanone
Concen: 3.720 ug/L
RT: 8.037 min Scan# 2191
Delta R.T. -0.048 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

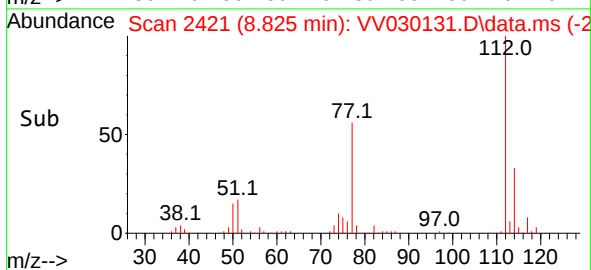
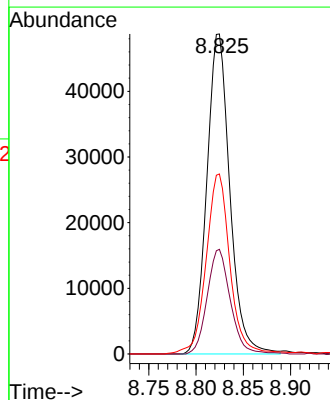
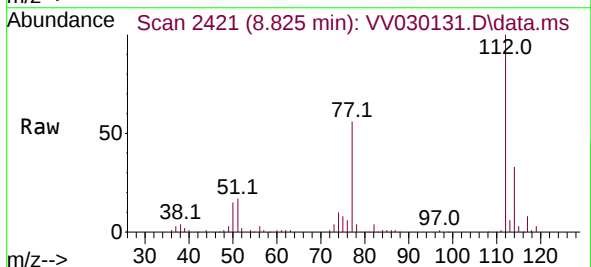
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

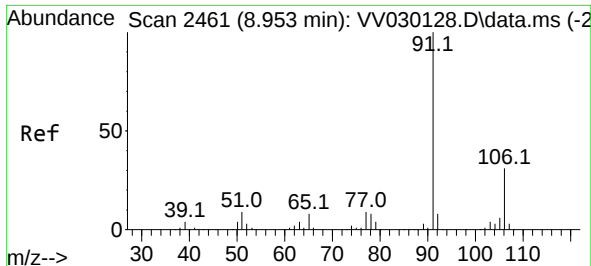
Tgt Ion: 43	Resp: 10491
Ion Ratio	Lower Upper
43 100	
58 30.1	49.8 74.8#
57 35.9	16.6 24.8#
100 1.5	11.5 17.3#



#51
Chlorobenzene
Concen: 3.008 ug/L
RT: 8.825 min Scan# 2421
Delta R.T. 0.003 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion:112	Resp:	82458	
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.5	41.7
77	56.2	45.3	67.9

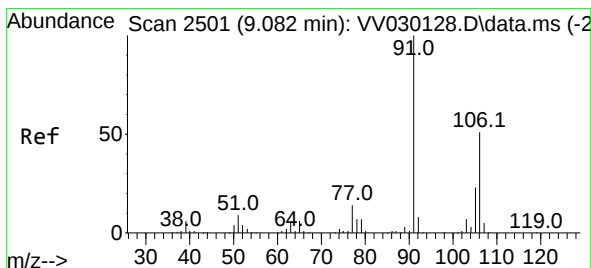
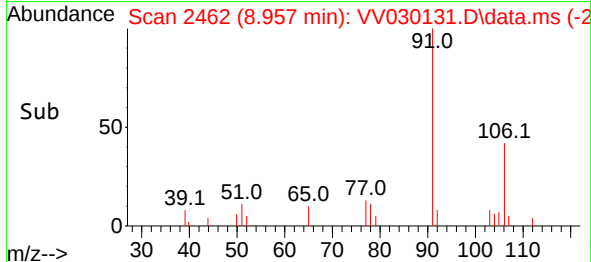
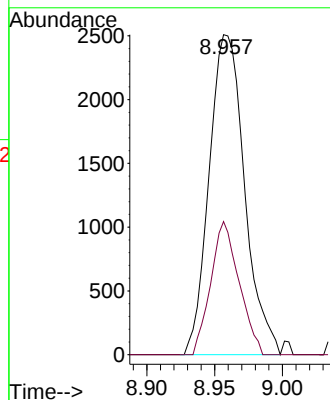
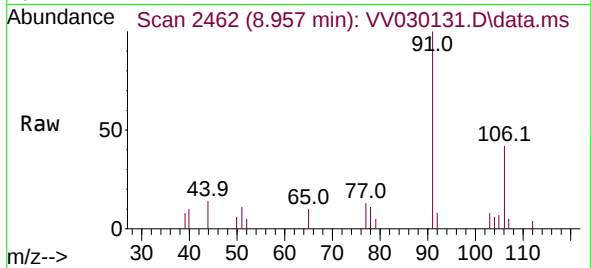




#52
Ethylbenzene
Concen: 0.103 ug/L
RT: 8.957 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

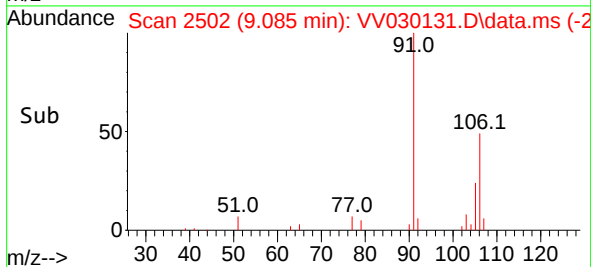
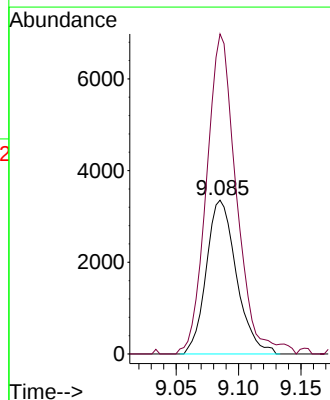
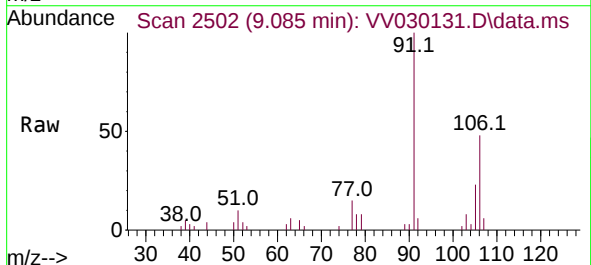
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

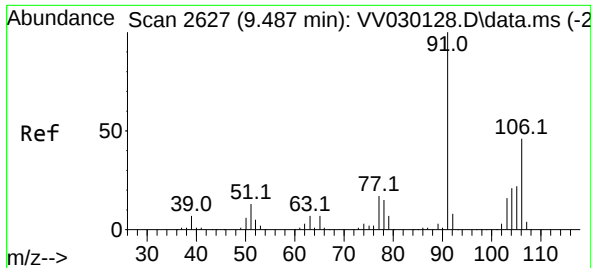
Tgt Ion: 91 Resp: 4565
Ion Ratio Lower Upper
91 100
106 41.6 22.0 40.8#



#53
m,p-Xylene
Concen: 0.332 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.003 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion: 106 Resp: 5643
Ion Ratio Lower Upper
106 100
91 208.2 142.5 264.7

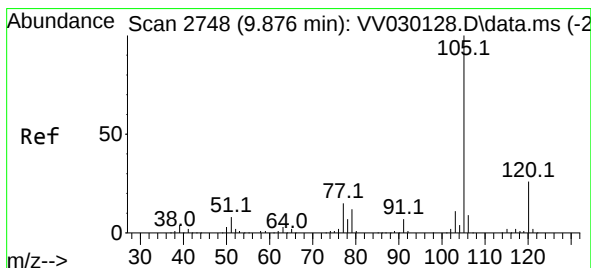
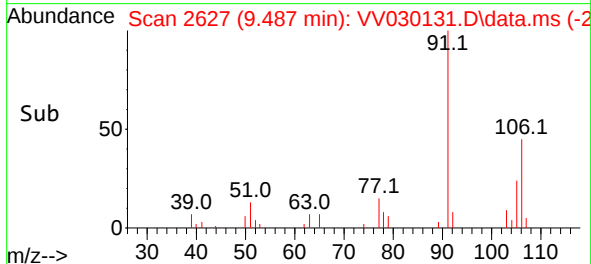
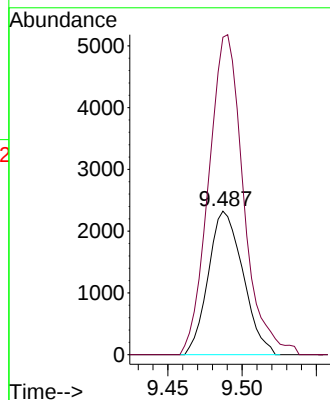
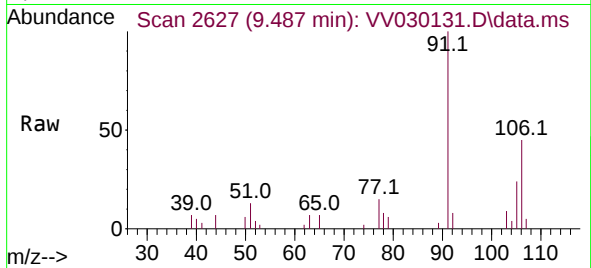




#54
o-Xylene
Concen: 0.233 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

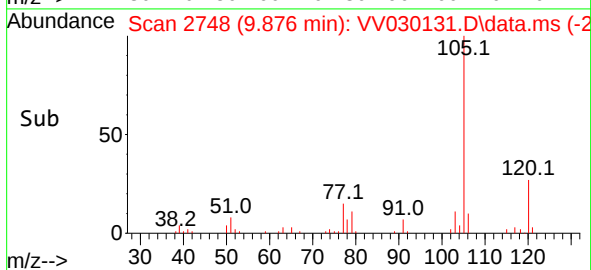
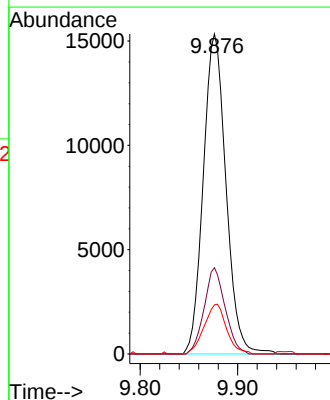
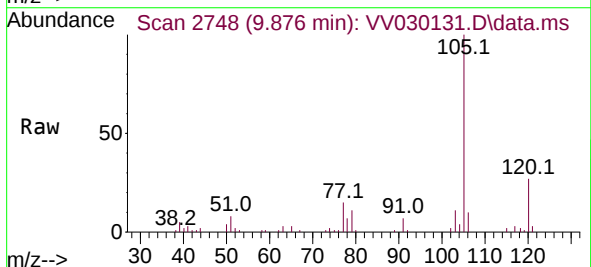
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

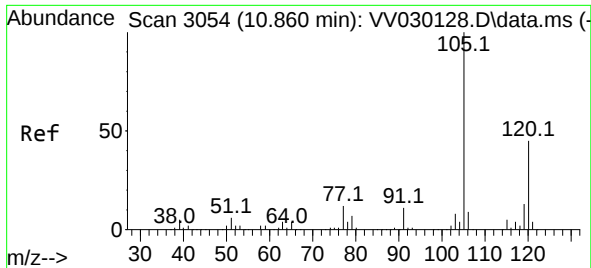
Tgt Ion:106 Resp: 3779
Ion Ratio Lower Upper
106 100
91 221.2 148.8 276.4



#60
Isopropylbenzene
Concen: 0.590 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion:105 Resp: 24813
Ion Ratio Lower Upper
105 100
120 24.9 21.4 32.0
77 15.4 12.1 18.1

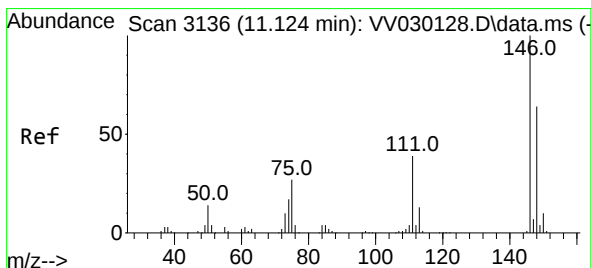
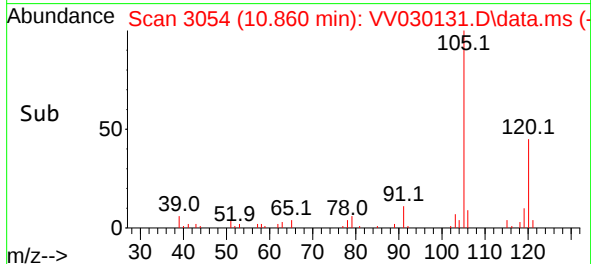
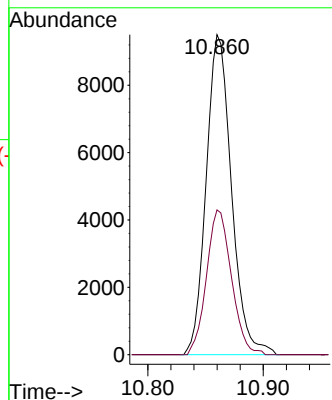
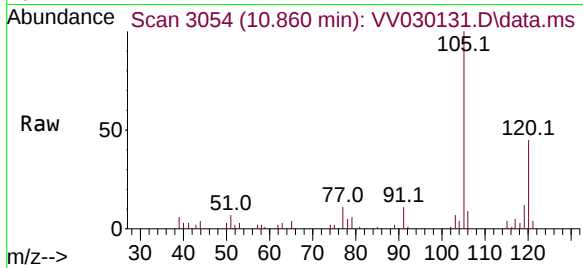




#63
1,2,4-Trimethylbenzene
Concen: 0.410 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

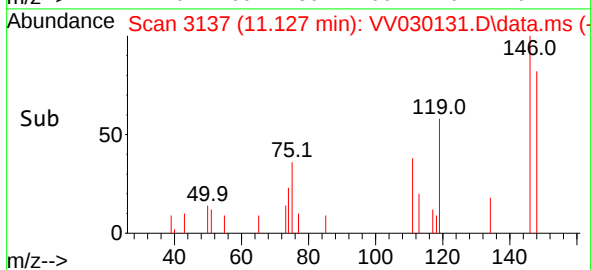
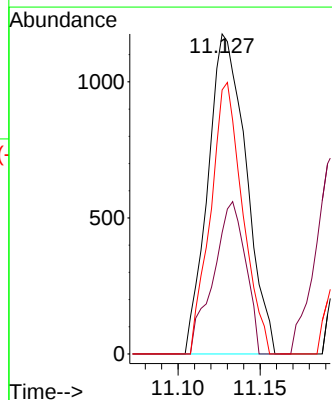
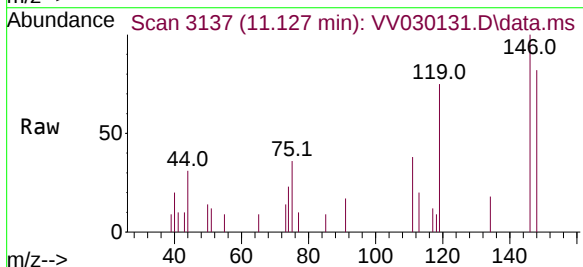
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

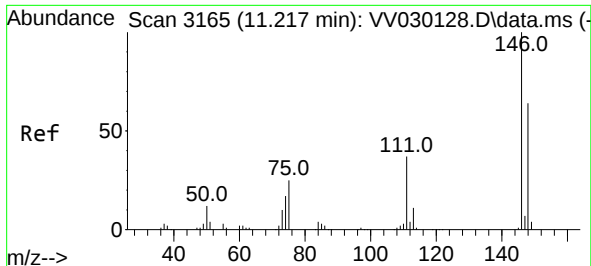
Tgt Ion:105 Resp: 14478
Ion Ratio Lower Upper
105 100
120 44.5 36.2 54.4



#64
1,3-Dichlorobenzene
Concen: 0.087 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion:146 Resp: 1902
Ion Ratio Lower Upper
146 100
111 37.9 27.7 51.5
148 82.5 44.5 82.7

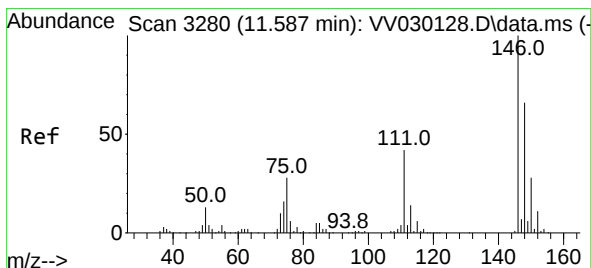
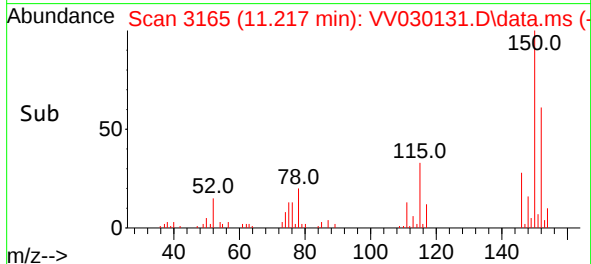
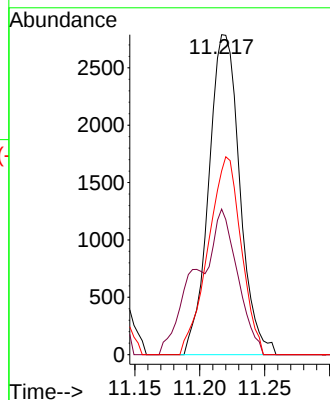
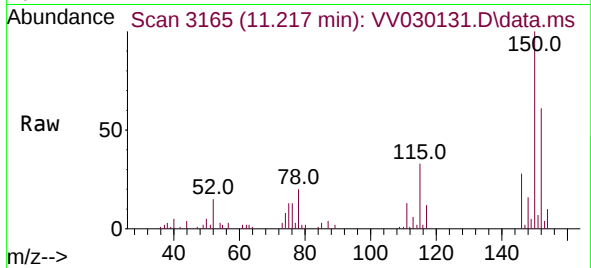




#65
1,4-Dichlorobenzene
Concen: 0.210 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

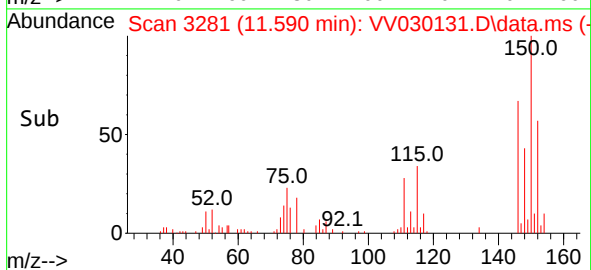
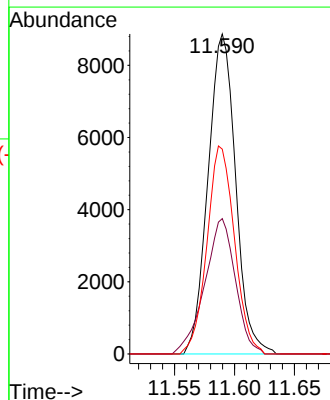
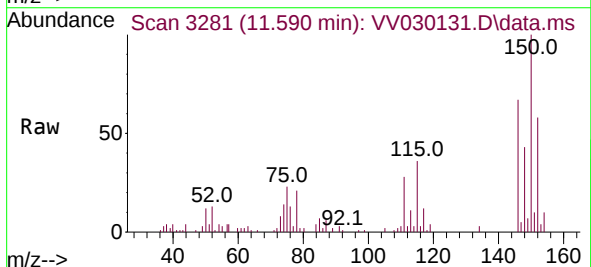
Instrument :
MSVOA_V
ClientSampleId :
DBYL4

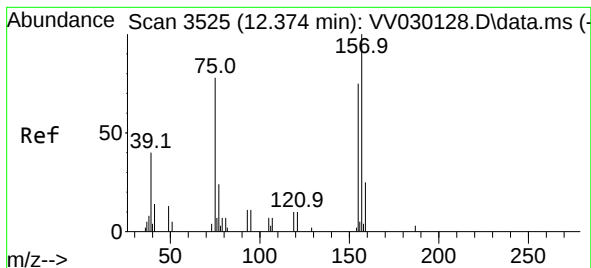
Tgt Ion:146 Resp: 4634
Ion Ratio Lower Upper
146 100
111 45.5 27.4 51.0
148 57.4 44.1 81.9



#67
1,2-Dichlorobenzene
Concen: 0.734 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion:146 Resp: 14198
Ion Ratio Lower Upper
146 100
111 42.3 33.5 50.3
148 64.0 51.3 76.9

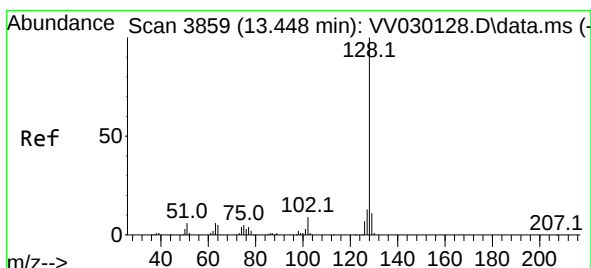
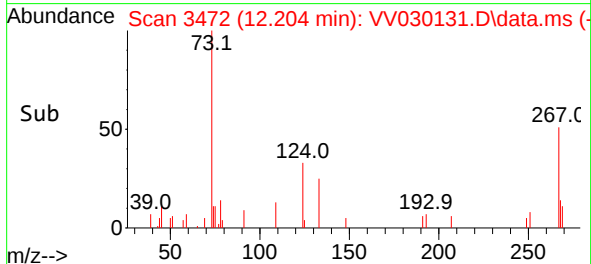
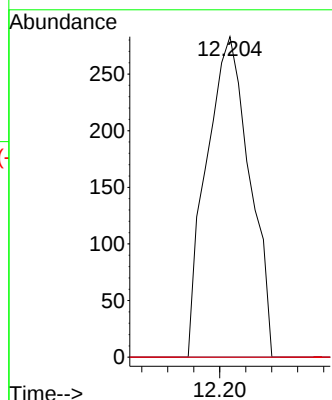
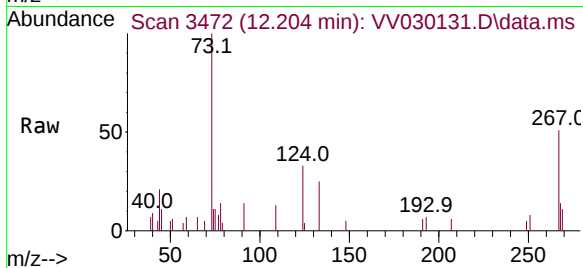




#68
1,2-Dibromo-3-chloropropane
Concen: 0.298 ug/L
RT: 12.204 min Scan# 3472
Delta R.T. -0.170 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Instrument :
MSVOA_V
ClientSampleId :
DBYL4

Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
155 0.0 79.1 118.7#
157 0.0 95.5 143.3#



#71
Naphthalene
Concen: 0.118 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030131.D
Acq: 03 Mar 2023 11:27

Tgt Ion: 128 Resp: 2242
Ion Ratio Lower Upper
128 100
129 12.2 8.6 13.0
127 10.3 10.4 15.6#

