

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
 Data File : VV030365.D
 Acq On : 30 Mar 2023 17:30
 Operator : SY/MD
 Sample : 02122-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB9A4

Quant Time: Mar 31 05:42:55 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	125008	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	123122	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	68248	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	29192	3.526	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.539	69	33138	4.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.066	63	52511	2.673	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.400%#
20) 2-Butanone-d5	3.825	46	114646	53.574	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.140%
24) Chloroform-d	4.265	84	90814	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	4.957	65	48342	5.113	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	4.973	84	165186	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.002	67	55776	5.135	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.252	98	134208	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.564	79	18671	4.565	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.037	63	92150	56.074	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.140%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44088	5.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	66095	5.418	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.114	85	3994	0.251	ug/L #	87
3) Chloromethane	1.217	50	2581	0.129	ug/L	91
6) Bromomethane	1.497	94	610	0.146	ug/L	100
13) Acetone	2.159	43	5332	2.606	ug/L	69
30) Cyclohexane	4.593	56	3774	0.209	ug/L	93
33) Benzene	5.027	78	5050	0.115	ug/L	100
35) Methylcyclohexane	6.063	83	3669	0.198	ug/L	88
37) 1,2-Dichloropropane	5.998	63	6777	0.604	ug/L #	86
42) Toluene	7.329	91	3943	0.085	ug/L	84
51) Chlorobenzene	8.821	112	134035	4.494	ug/L	98
53) m,p-Xylene	9.085	106	4139	0.212	ug/L	89
54) o-Xylene	9.490	106	3648	0.195	ug/L	92
60) Isopropylbenzene	9.876	105	40267	0.800	ug/L	99
64) 1,3-Dichlorobenzene	11.130	146	2089	0.083	ug/L #	86
65) 1,4-Dichlorobenzene	11.223	146	4904	0.194	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	2362	0.104	ug/L #	82
71) Naphthalene	13.448	128	2717	0.128	ug/L #	89

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

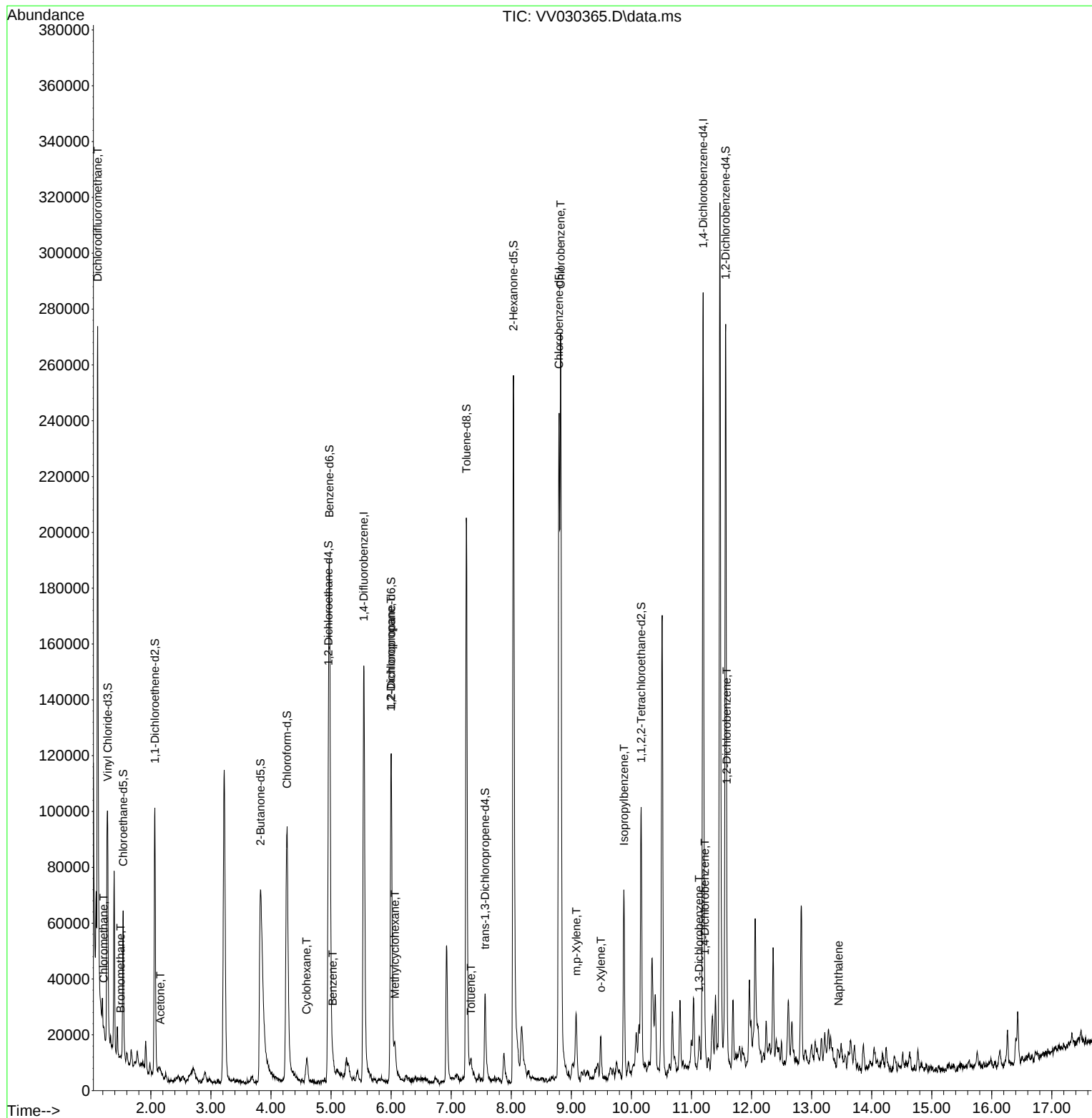
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

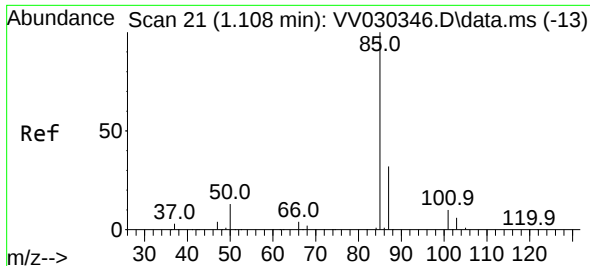
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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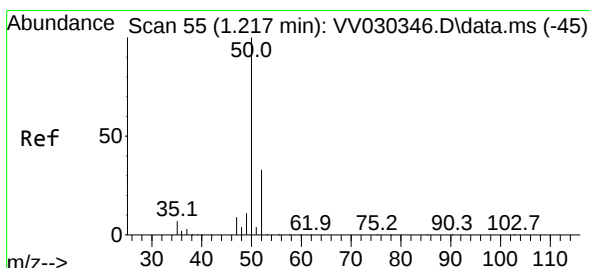
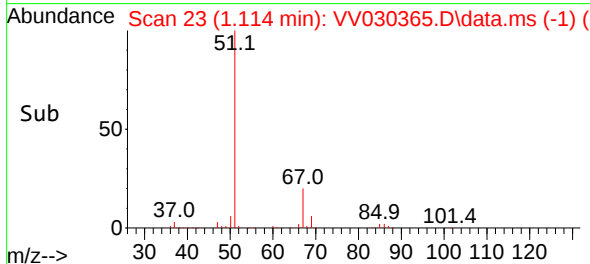
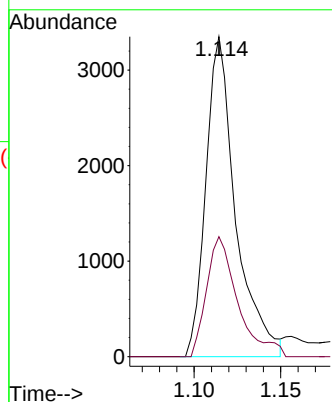
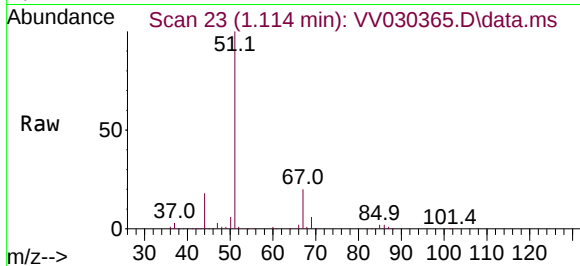




#2
 Dichlorodifluoromethane
 Concen: 0.251 ug/L
 RT: 1.114 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV030365.D
 Acq: 30 Mar 2023 17:30

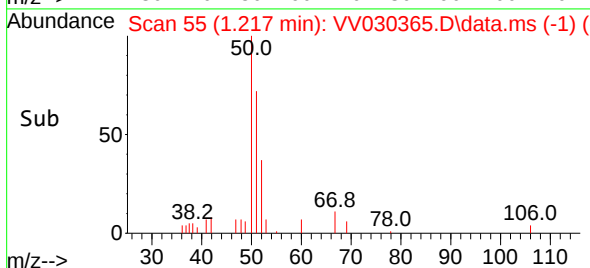
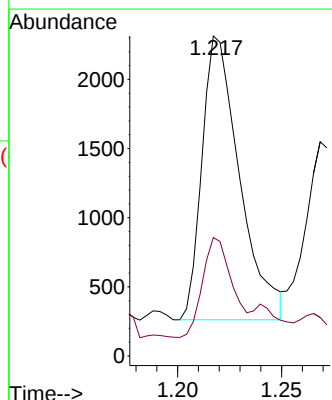
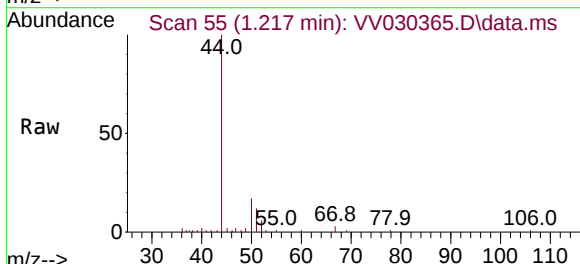
Instrument :
 MSVOA_V
 ClientSampleId :
 CB9A4

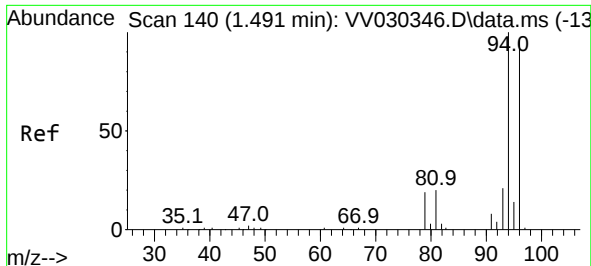
Tgt Ion: 85 Resp: 3994
 Ion Ratio Lower Upper
 85 100
 87 39.3 25.6 38.4#



#3
 Chloromethane
 Concen: 0.129 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030365.D
 Acq: 30 Mar 2023 17:30

Tgt Ion: 50 Resp: 2581
 Ion Ratio Lower Upper
 50 100
 52 37.0 22.3 41.5





#6

Bromomethane

Concen: 0.146 ug/L

RT: 1.497 min Scan# 14

Delta R.T. 0.006 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

Instrument :

MSVOA_V

ClientSampleId :

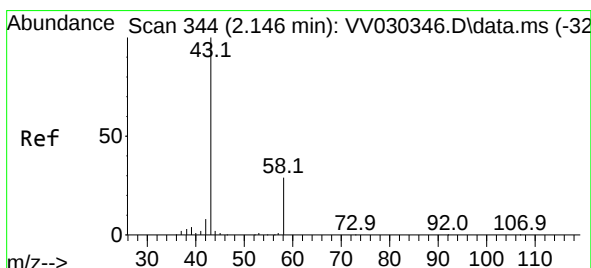
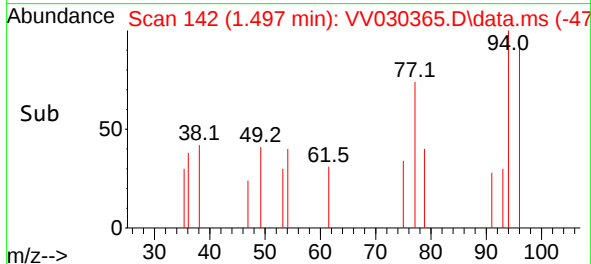
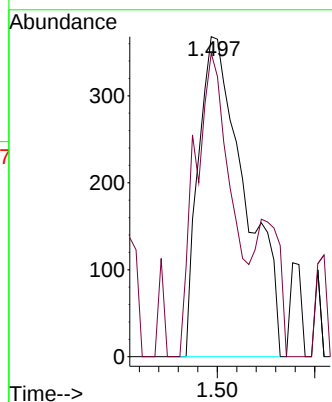
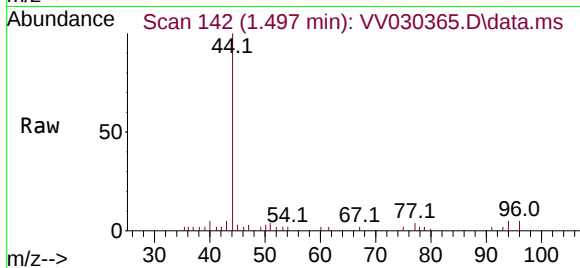
CB9A4

Tgt Ion: 94 Resp: 610

Ion Ratio Lower Upper

94 100

96 94.8 66.1 122.7



#13

Acetone

Concen: 2.606 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.013 min

Lab File: VV030365.D

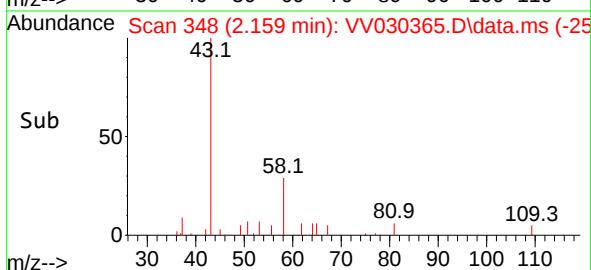
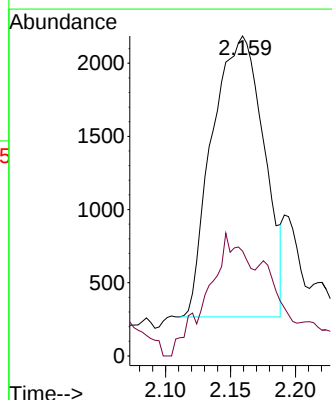
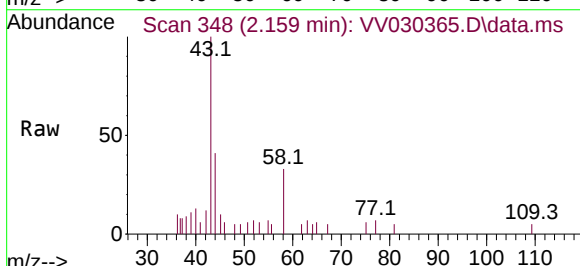
Acq: 30 Mar 2023 17:30

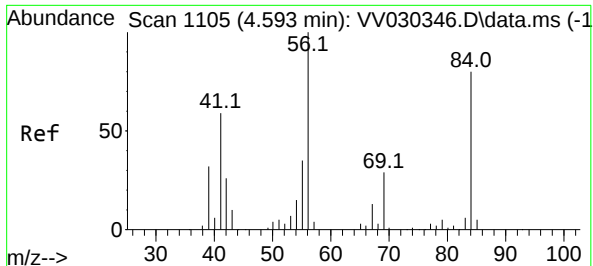
Tgt Ion: 43 Resp: 5332

Ion Ratio Lower Upper

43 100

58 34.8 0.0 40.8





#30

Cyclohexane

Concen: 0.209 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

Instrument :

MSVOA_V

ClientSampleId :

CB9A4

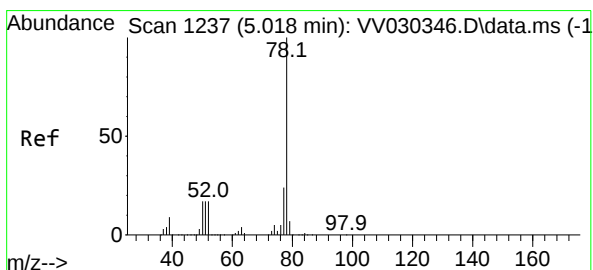
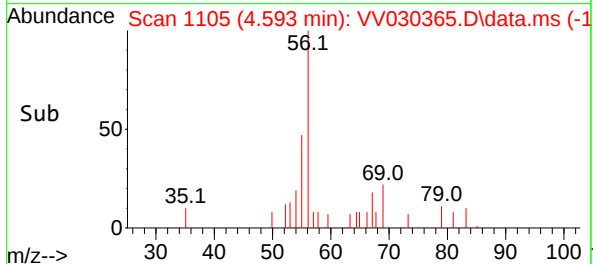
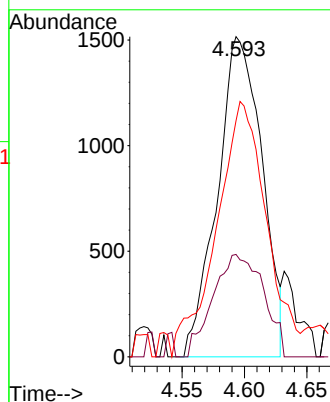
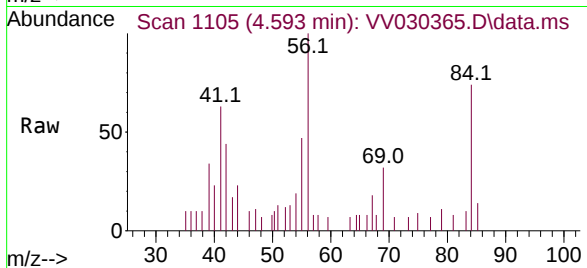
Tgt Ion: 56 Resp: 3774

Ion Ratio Lower Upper

56 100

69 36.1 24.2 36.2

84 88.8 66.6 100.0



#33

Benzene

Concen: 0.115 ug/L

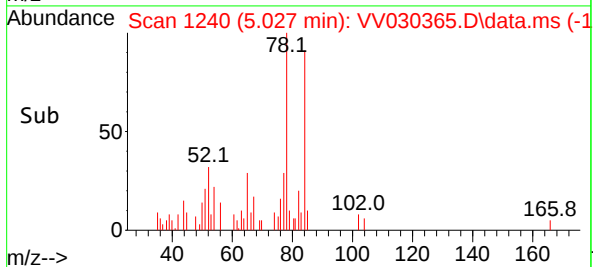
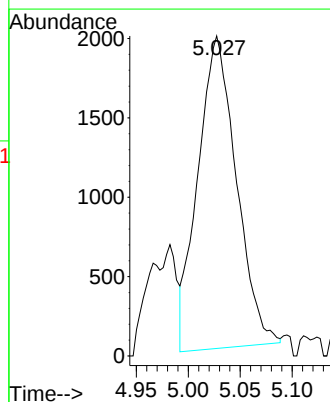
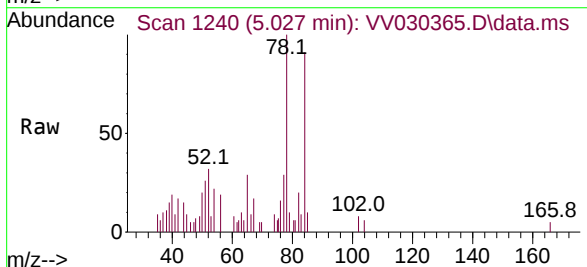
RT: 5.027 min Scan# 1240

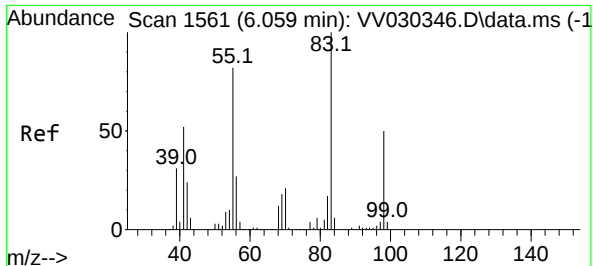
Delta R.T. 0.010 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

Tgt Ion: 78 Resp: 5050





#35

Methylcyclohexane

Concen: 0.198 ug/L

RT: 6.063 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

Instrument :

MSVOA_V

ClientSampleId :

CB9A4

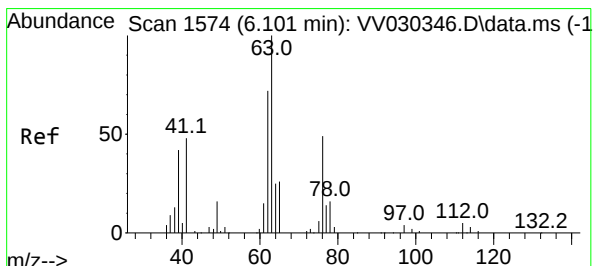
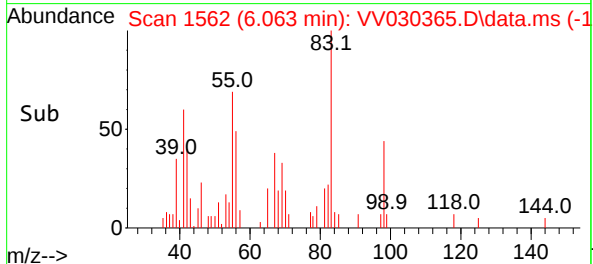
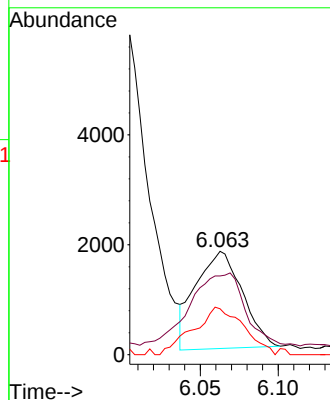
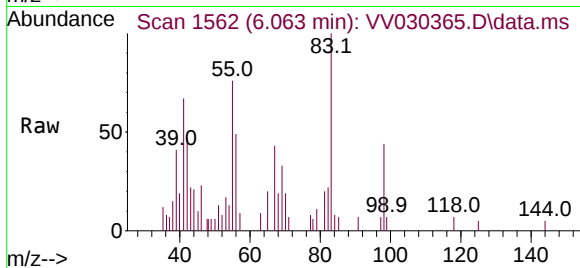
Tgt Ion: 83 Resp: 3669

Ion Ratio Lower Upper

83 100

55 97.7 66.6 100.0

98 52.7 38.6 58.0



#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.103 min

Lab File: VV030365.D

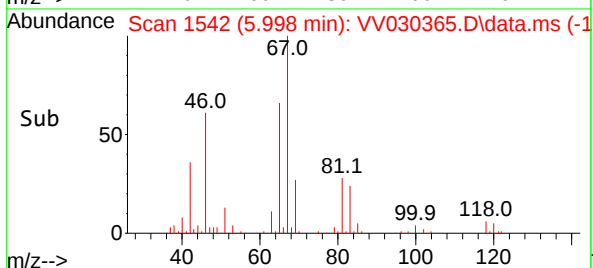
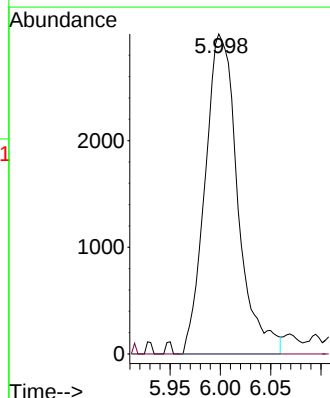
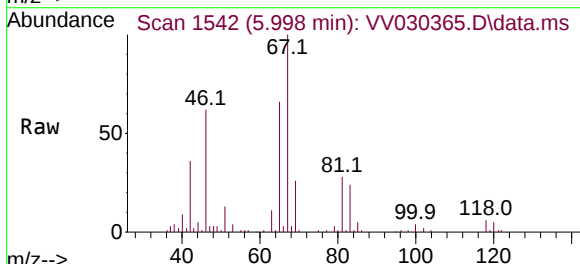
Acq: 30 Mar 2023 17:30

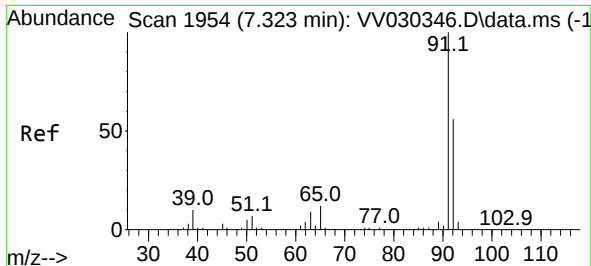
Tgt Ion: 63 Resp: 6777

Ion Ratio Lower Upper

63 100

112 0.3 3.9 5.9#





#42

Toluene

Concen: 0.085 ug/L

RT: 7.329 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

Instrument :

MSVOA_V

ClientSampleId :

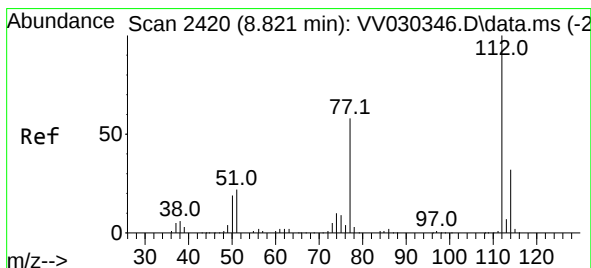
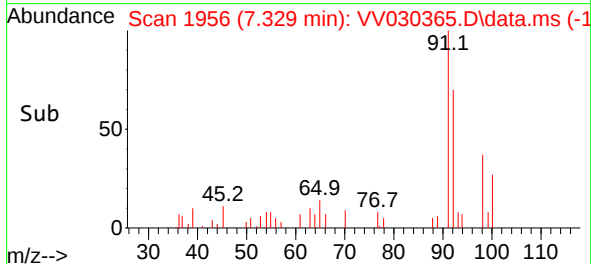
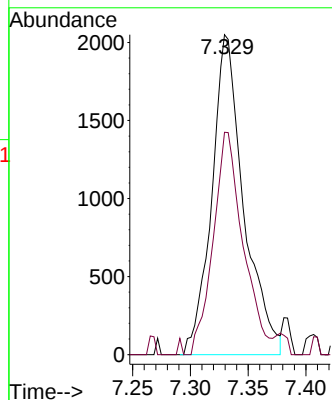
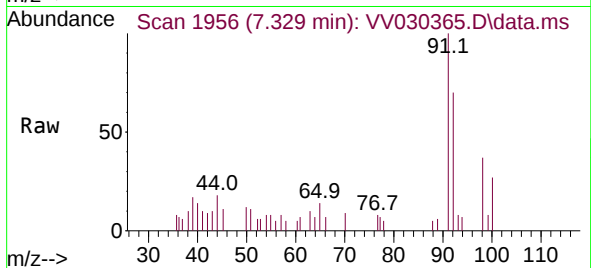
CB9A4

Tgt Ion: 91 Resp: 3943

Ion Ratio Lower Upper

91 100

92 69.5 40.4 75.0



#51

Chlorobenzene

Concen: 4.494 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030365.D

Acq: 30 Mar 2023 17:30

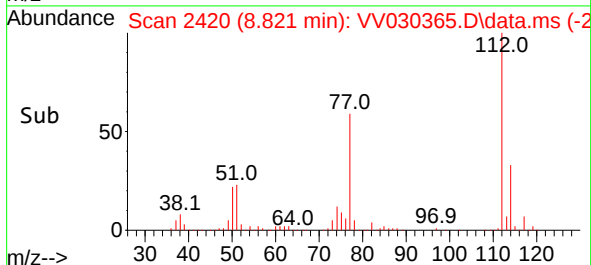
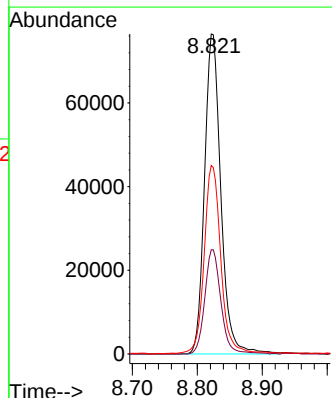
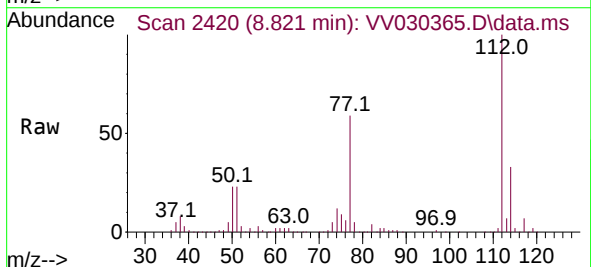
Tgt Ion: 112 Resp: 134035

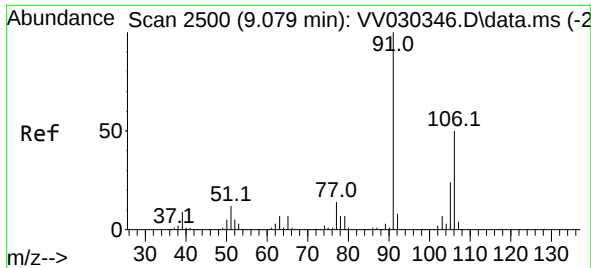
Ion Ratio Lower Upper

112 100

114 32.6 22.4 41.6

77 58.9 45.9 68.9

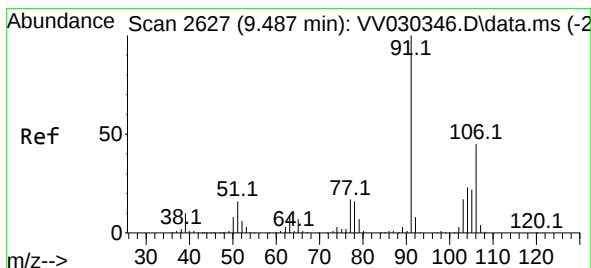
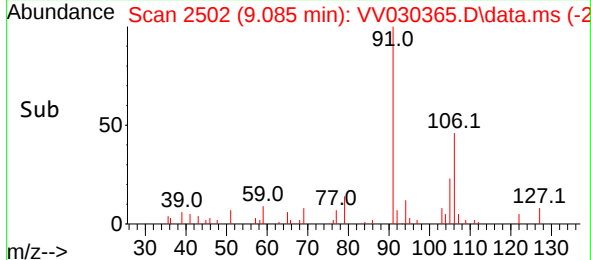
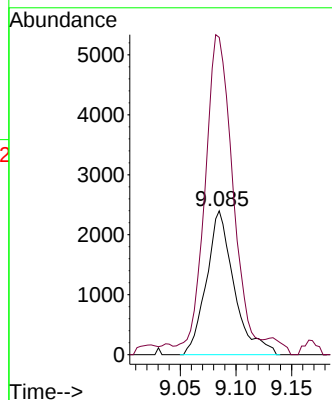
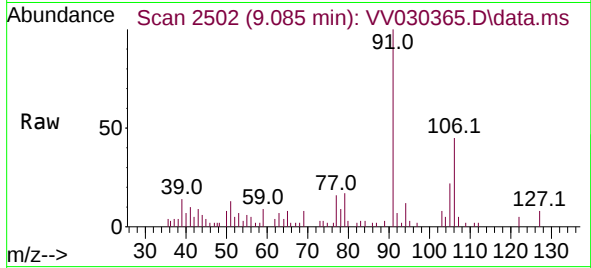




#53
m,p-Xylene
Concen: 0.212 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

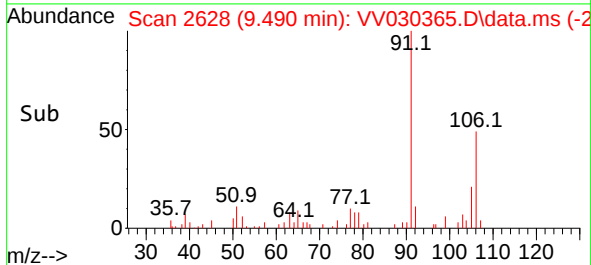
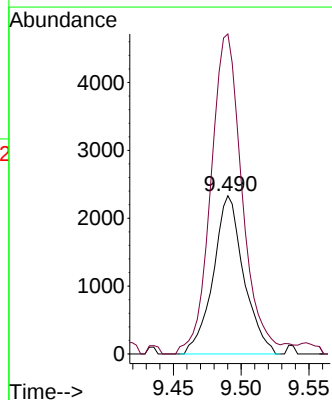
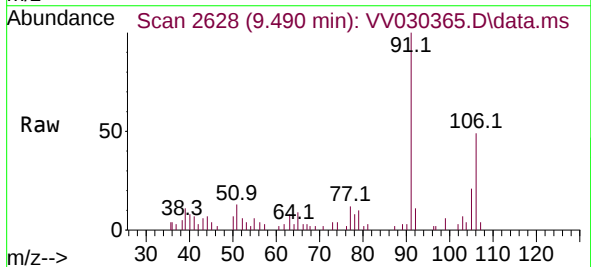
Instrument :
MSVOA_V
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CB9A4

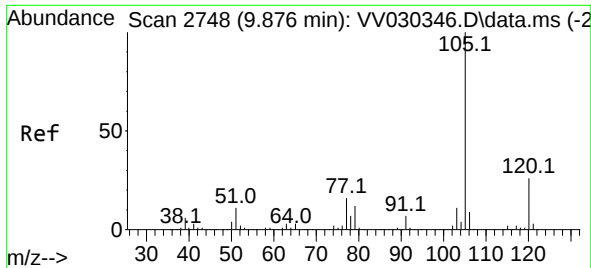
Tgt Ion:106 Resp: 4139
Ion Ratio Lower Upper
106 100
91 220.6 142.4 264.4



#54
o-Xylene
Concen: 0.195 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

Tgt Ion:106 Resp: 3648
Ion Ratio Lower Upper
106 100
91 202.1 149.8 278.2

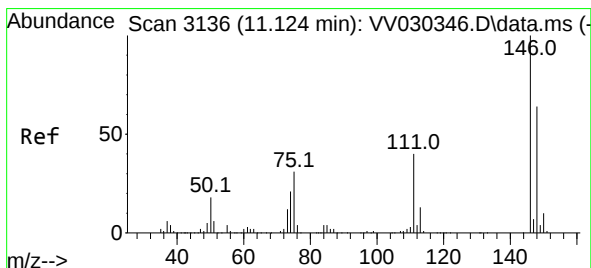
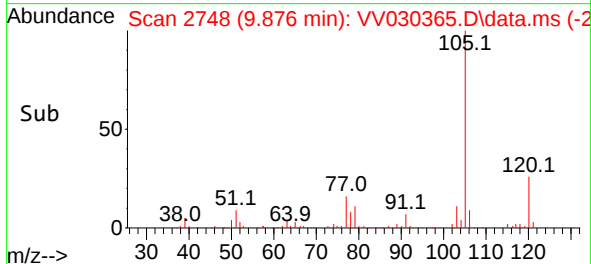
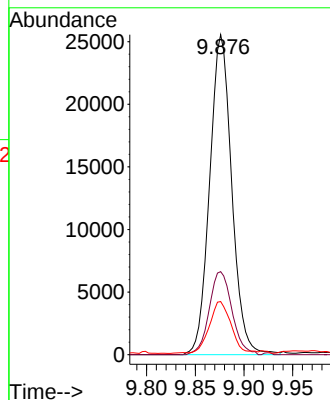
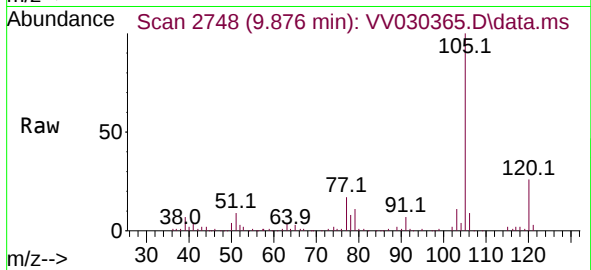




#60
Isopropylbenzene
Concen: 0.800 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

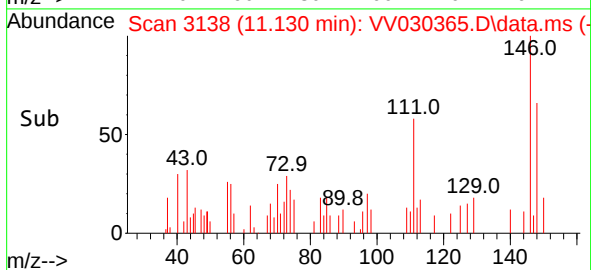
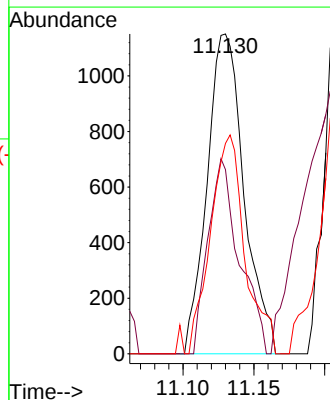
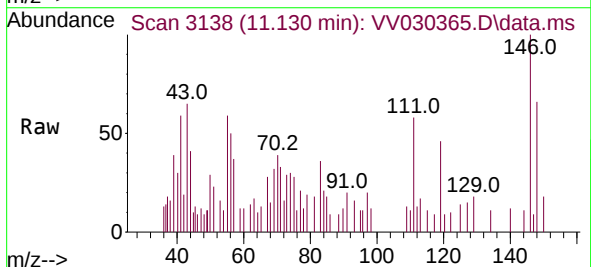
Instrument :
MSVOA_V
ClientSampleId :
CB9A4

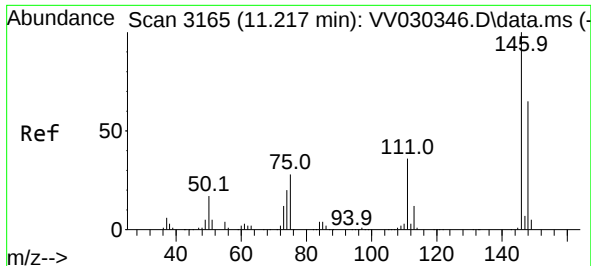
Tgt Ion:105 Resp: 40267
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 16.0 12.9 19.3



#64
1,3-Dichlorobenzene
Concen: 0.083 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.006 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

Tgt Ion:146 Resp: 2089
Ion Ratio Lower Upper
146 100
111 57.6 27.0 50.2#
148 65.8 44.2 82.2

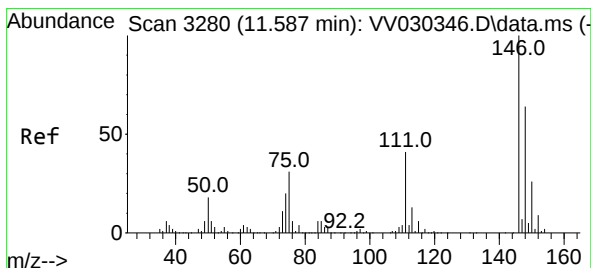
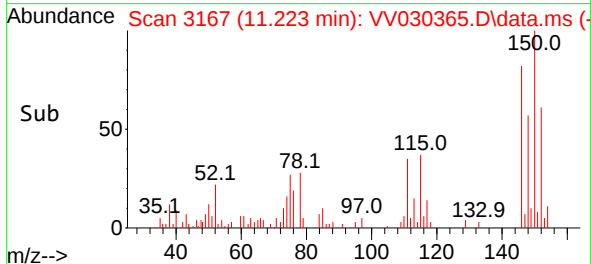
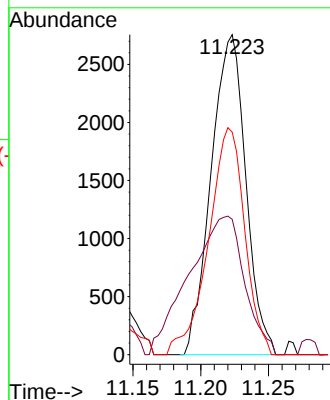
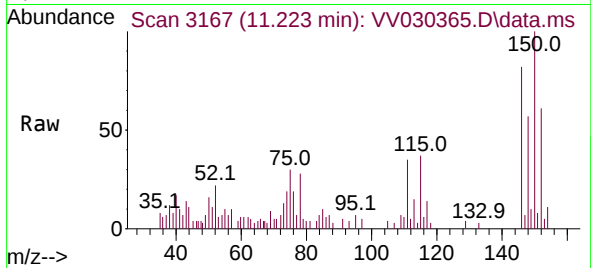




#65
1,4-Dichlorobenzene
Concen: 0.194 ug/L
RT: 11.223 min Scan# 3165
Delta R.T. 0.006 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

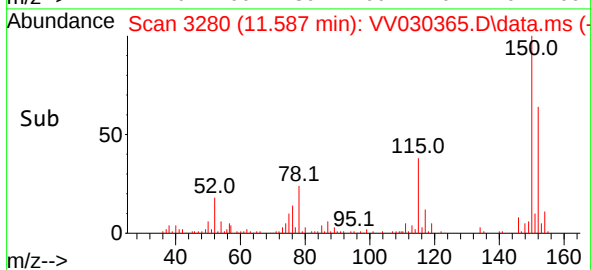
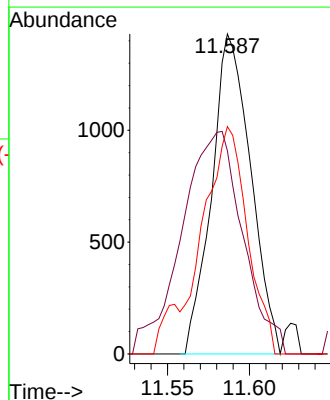
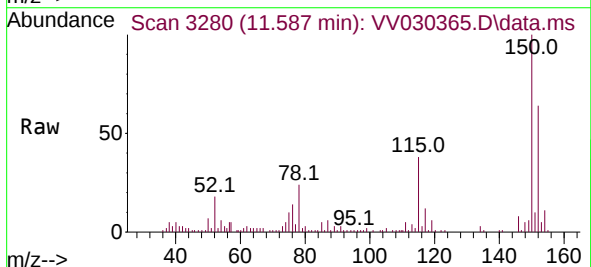
Instrument :
MSVOA_V
ClientSampleId :
CB9A4

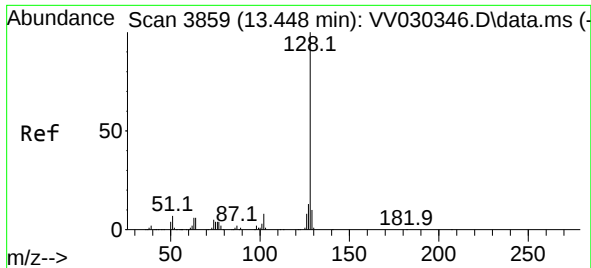
Tgt Ion:146 Resp: 4904
Ion Ratio Lower Upper
146 100
111 42.3 26.0 48.4
148 69.6 45.2 84.0



#67
1,2-Dichlorobenzene
Concen: 0.104 ug/L
RT: 11.587 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

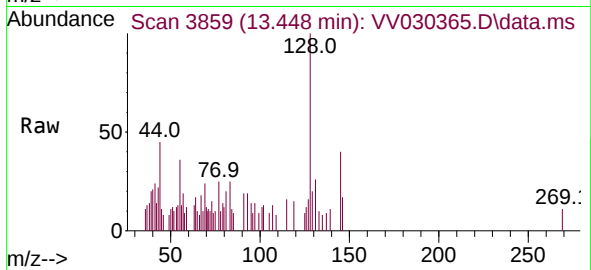
Tgt Ion:146 Resp: 2362
Ion Ratio Lower Upper
146 100
111 63.5 33.1 49.7#
148 71.1 52.2 78.2





#71
Naphthalene
Concen: 0.128 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030365.D
Acq: 30 Mar 2023 17:30

Instrument :
MSVOA_V
ClientSampleId :
CB9A4



Tgt Ion:128 Resp: 2717
Ion Ratio Lower Upper
128 100
129 8.2 8.9 13.3#
127 8.2 10.8 16.2#

