

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121621\
 Data File : VW024011.D
 Acq On : 16 Dec 2021 14:28
 Operator : SY/MD
 Sample : M5090-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 17 02:01:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	94371	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	101586	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54824	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	14018	2.763	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.200%
7) Chloroethane-d5	1.565	69	15533	3.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.105	63	20971	2.118	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	42.400%#
20) 2-Butanone-d5	3.905	46	57517	58.029	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.060%
24) Chloroform-d	4.349	84	48308	4.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.034	65	25390	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.050	84	72469	3.602	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.000%
36) 1,2-Dichloropropane-d6	6.072	67	25330	4.173	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.317	98	55892	3.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.800%#
43) trans-1,3-Dichloroprop...	7.629	79	8436	3.350	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.092	63	56692	50.288	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24712	4.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	31562	4.310	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	498	0.071	ug/L	91
5) Vinyl chloride	1.307	62	470	0.062	ug/L #	34
6) Bromomethane	1.529	94	313	0.065	ug/L #	2
13) Acetone	2.192	43	3274	4.129	ug/L	98
18) trans-1,2-Dichloroethene	2.767	96	3137	0.448	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	3110	0.419	ug/L	92
33) Benzene	5.111	78	6874	0.239	ug/L	100
35) Methylcyclohexane	6.072	83	7157	0.600	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	3305	0.484	ug/L #	84
42) Toluene	7.404	91	3481	0.108	ug/L	87
48) 2-Hexanone	8.146	43	1777	0.747	ug/L #	85
51) Chlorobenzene	8.886	112	4659	0.216	ug/L	94
52) Ethylbenzene	9.021	91	2327	0.068	ug/L	85
60) Isopropylbenzene	9.934	105	20190	0.627	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	2716	0.164	ug/L #	91
67) 1,2-Dichlorobenzene	11.644	146	8398	0.557	ug/L	96
71) Naphthalene	13.516	128	1155	0.076	ug/L #	69

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121621\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 17 02:01:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 16 04:44:29 2021
Response via : Initial Calibration

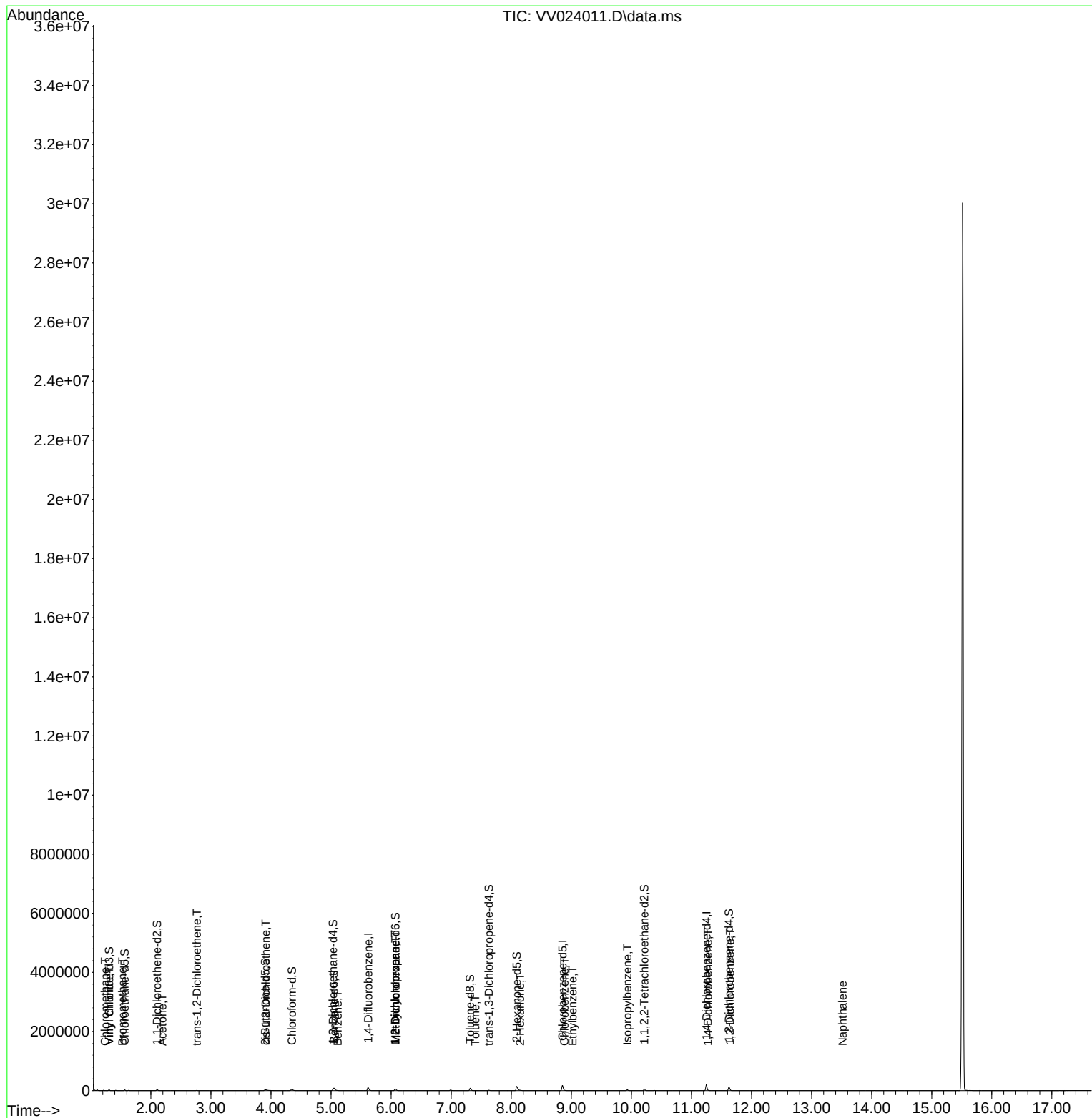
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

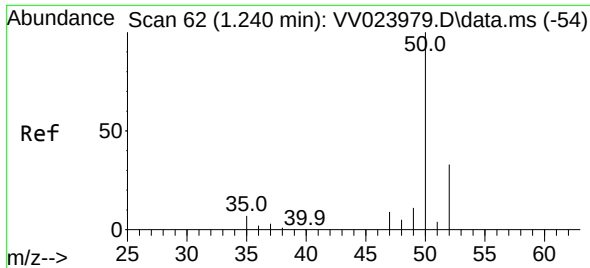
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Data File : VV024011.D
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Operator : SY/MD
Sample : M5090-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

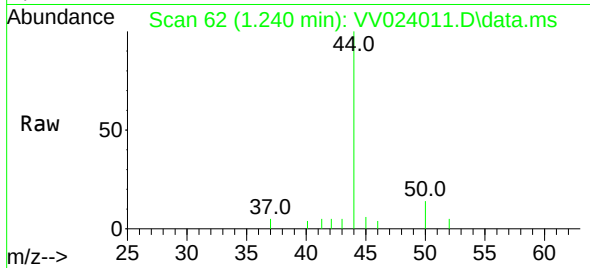
Quant Time: Dec 17 02:01:02 2021
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 16 04:44:29 2021
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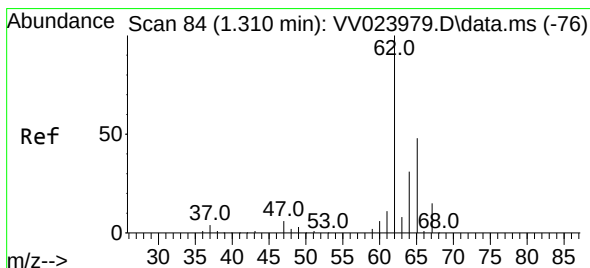
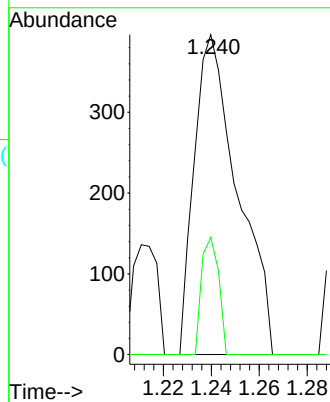
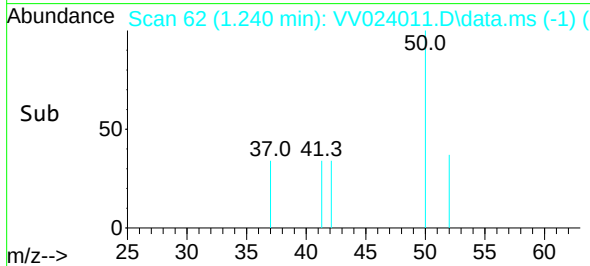


#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Instrument :
MSVOA_V
ClientSampleId :

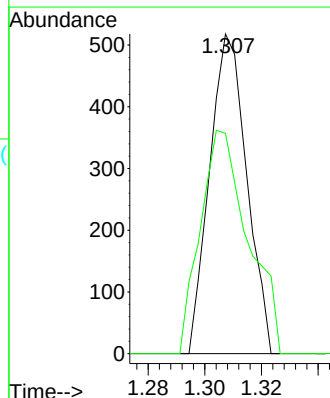
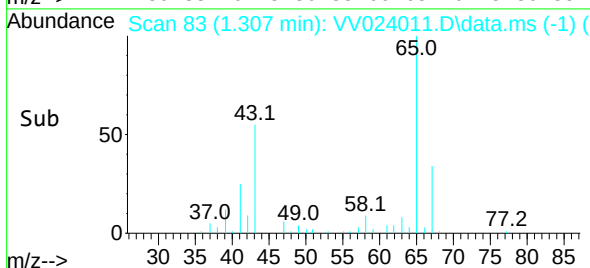
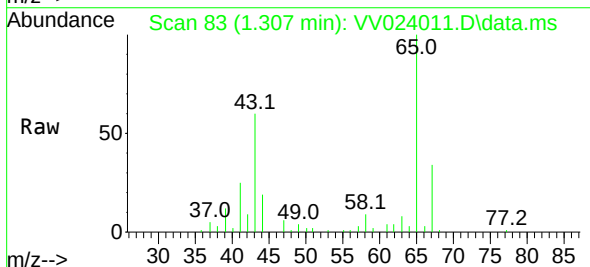


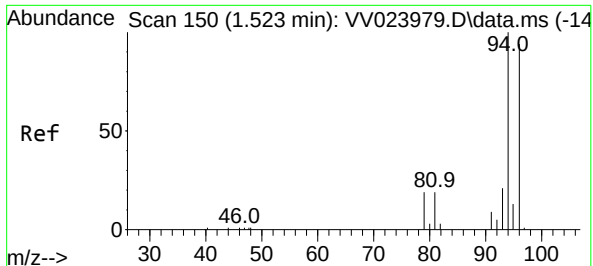
Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 36.6 22.0 41.0



#5
Vinyl chloride
Concen: 0.062 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion: 62 Resp: 470
Ion Ratio Lower Upper
62 100
64 68.9 22.4 41.6#

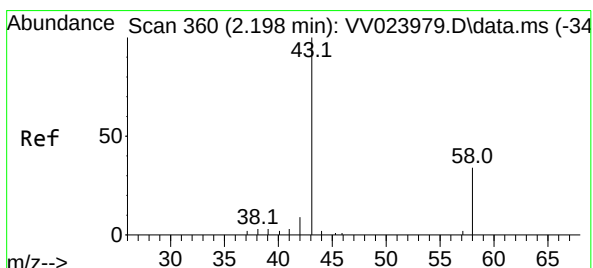
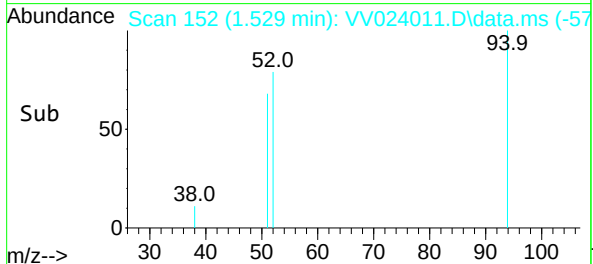
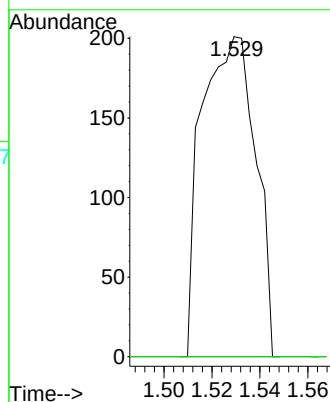
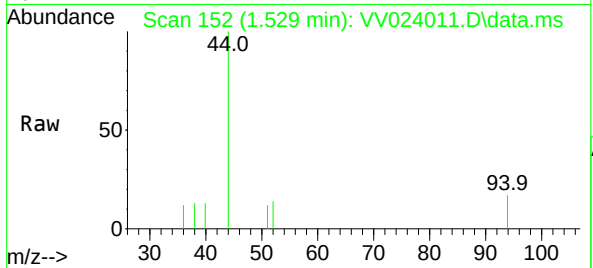




#6
Bromomethane
Concen: 0.065 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

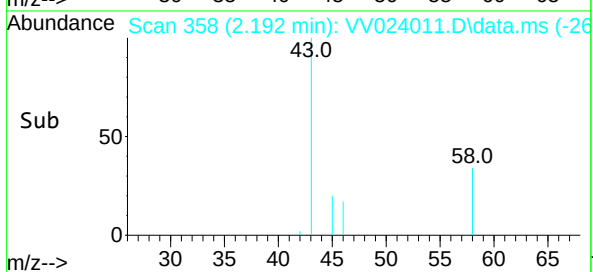
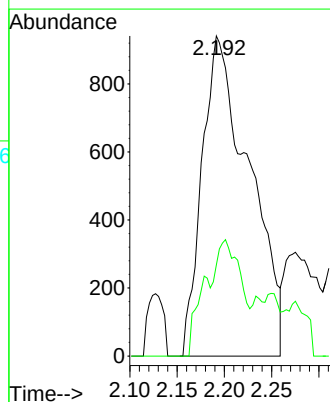
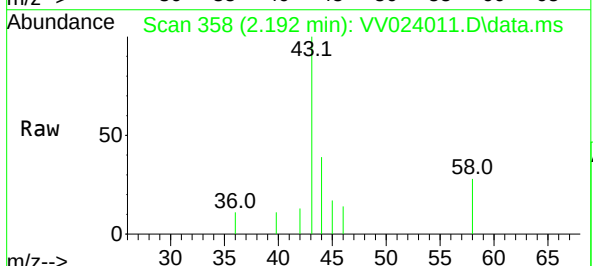
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MSVOA_V
ClientSampleId :

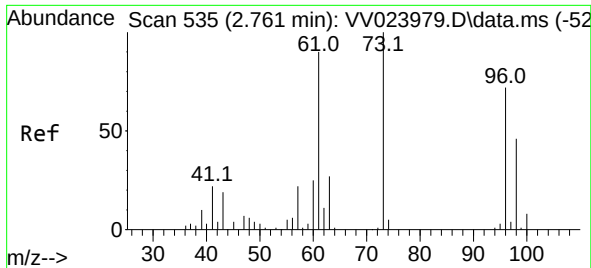
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 0.0 66.2 123.0#



#13
Acetone
Concen: 4.129 ug/L
RT: 2.192 min Scan# 358
Delta R.T. -0.006 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
58 19.9 0.0 41.4

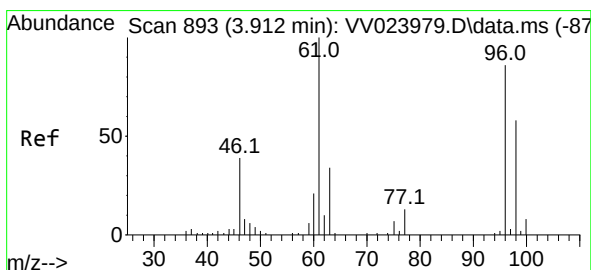
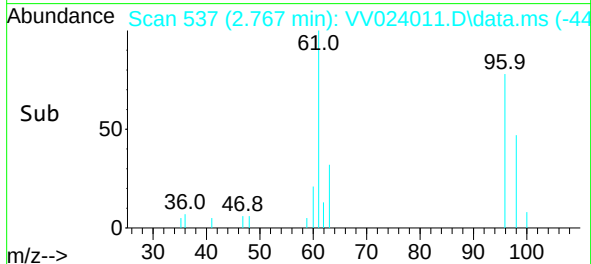
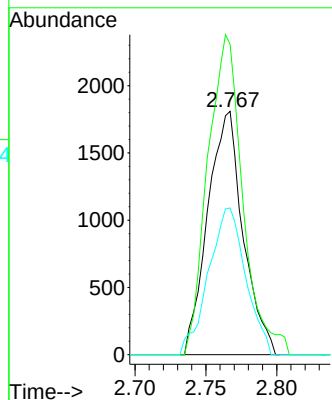
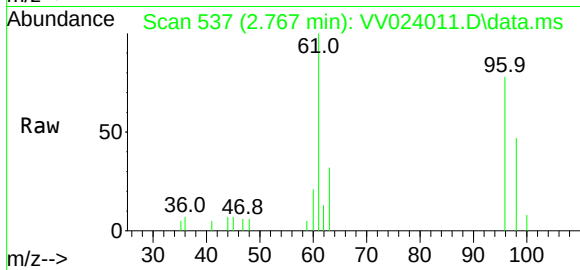




#18
trans-1,2-Dichloroethene
Concen: 0.448 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

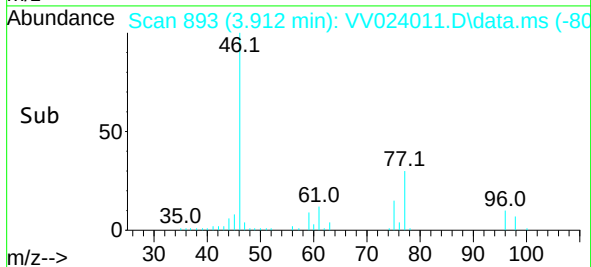
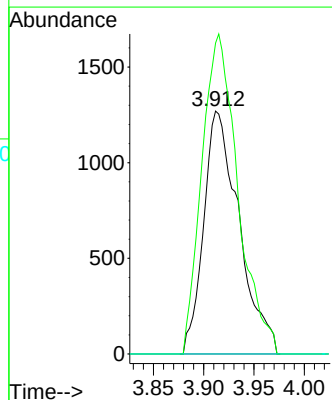
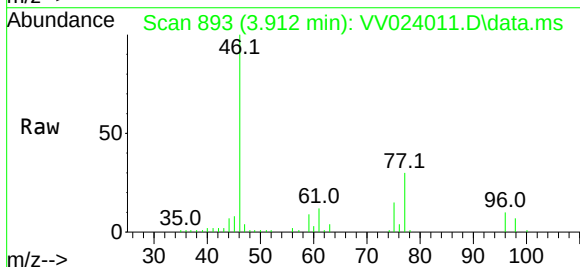
Instrument :
MSVOA_V
ClientSampleId :

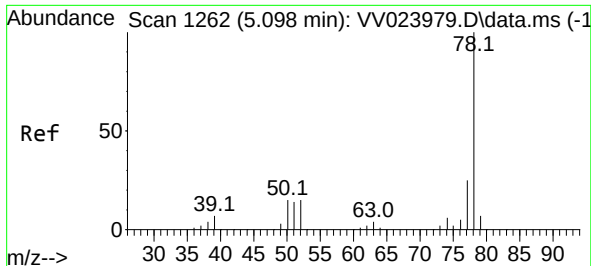
Tgt Ion: 96 Resp: 3137
Ion Ratio Lower Upper
96 100
61 127.5 88.2 163.8
98 60.3 44.9 83.5



#22
cis-1,2-Dichloroethene
Concen: 0.419 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion: 96 Resp: 3110
Ion Ratio Lower Upper
96 100
61 128.0 83.4 154.8
68 0.0 0.0 0.0

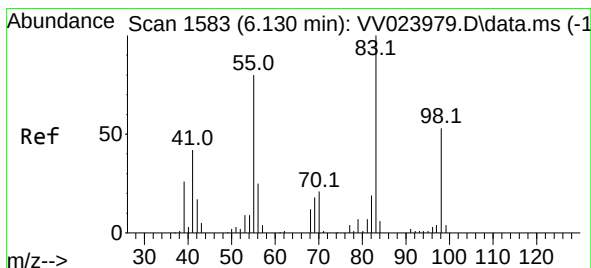
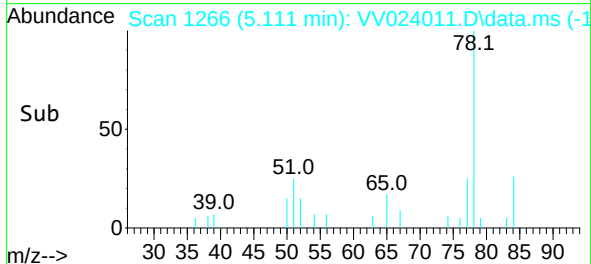
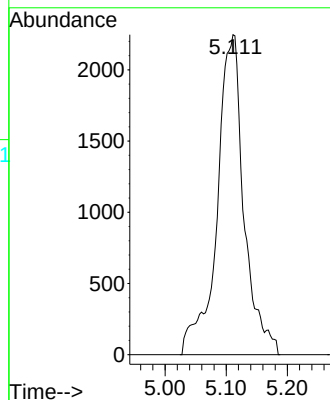
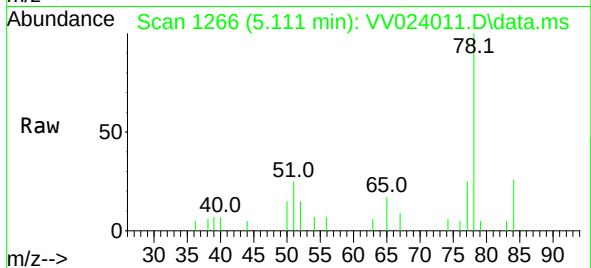




#33
Benzene
Concen: 0.239 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

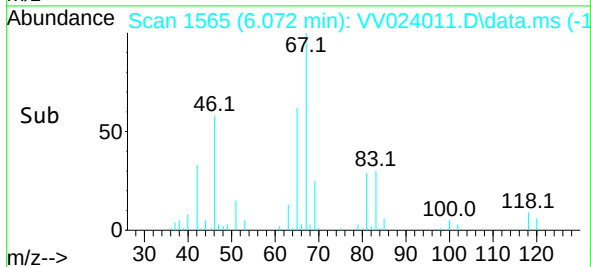
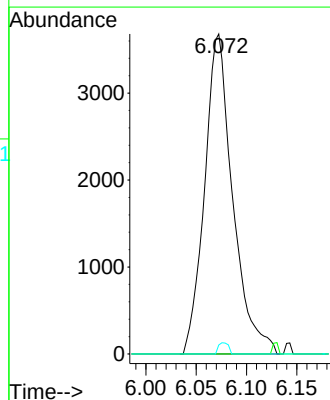
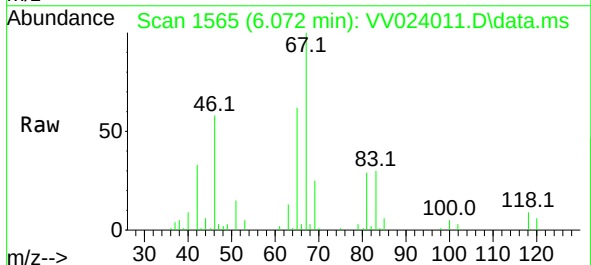
Instrument :
MSVOA_V
ClientSampleId :

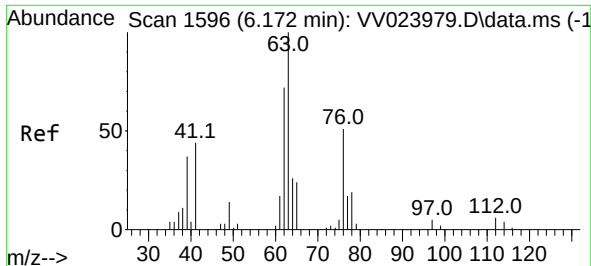
Tgt Ion: 78 Resp: 6874



#35
Methylcyclohexane
Concen: 0.600 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion: 83 Resp: 7157
Ion Ratio Lower Upper
83 100
55 0.7 60.2 90.2#
98 1.2 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.484 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV024011.D

Acq: 16 Dec 2021 14:28

Instrument :

MSVOA_V

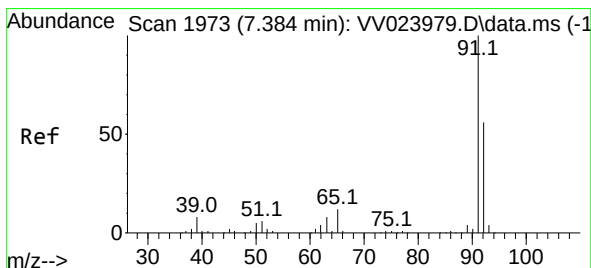
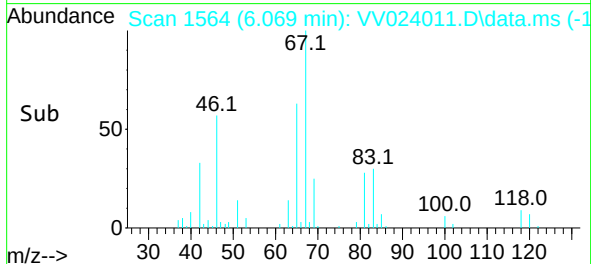
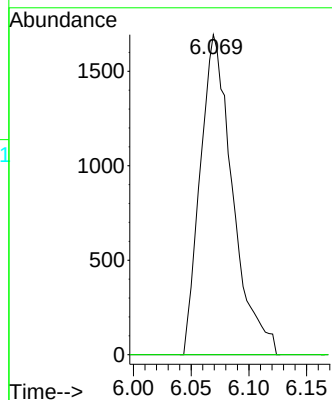
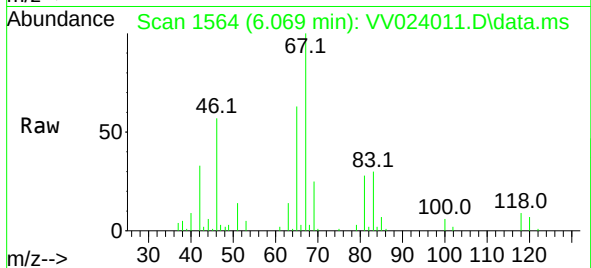
ClientSampleId :

Tgt Ion: 63 Resp: 3305

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#42

Toluene

Concen: 0.108 ug/L

RT: 7.404 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV024011.D

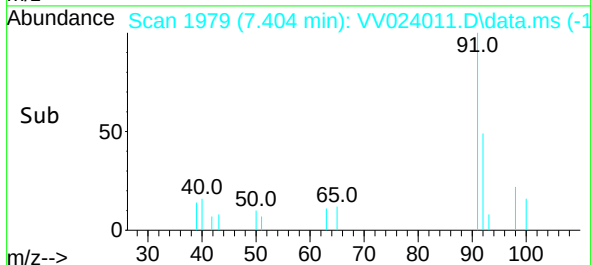
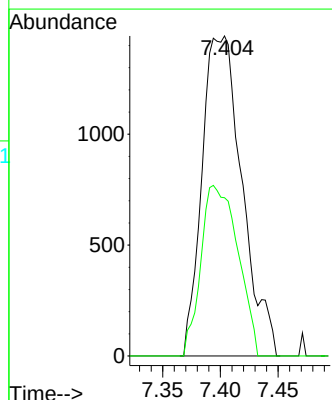
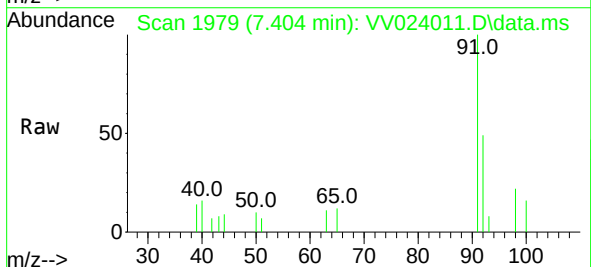
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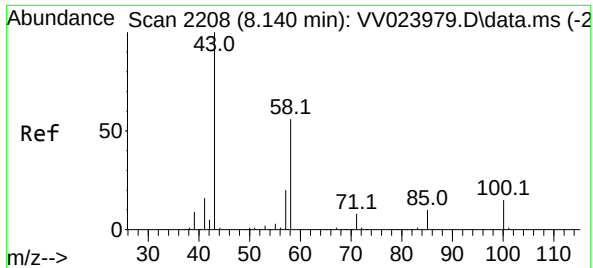
Tgt Ion: 91 Resp: 3481

Ion Ratio Lower Upper

91 100

92 49.5 41.5 77.1

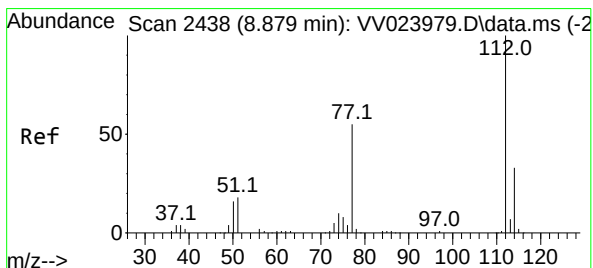
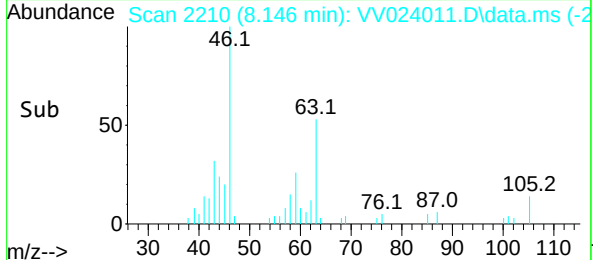
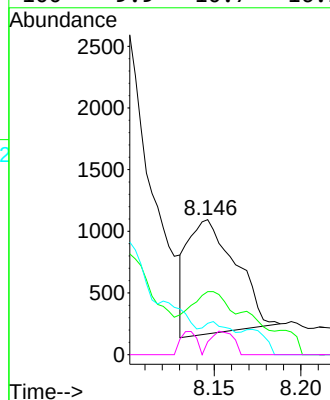
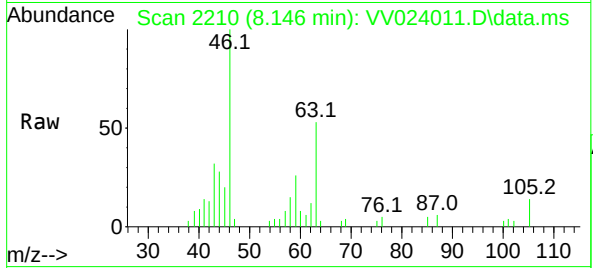




#48
2-Hexanone
Concen: 0.747 ug/L
RT: 8.146 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

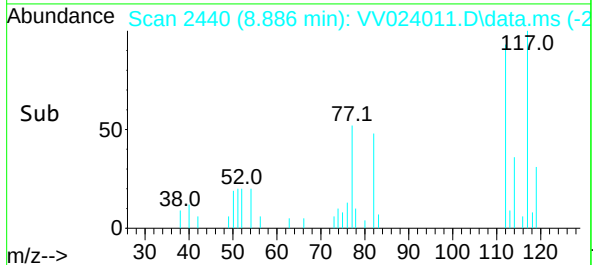
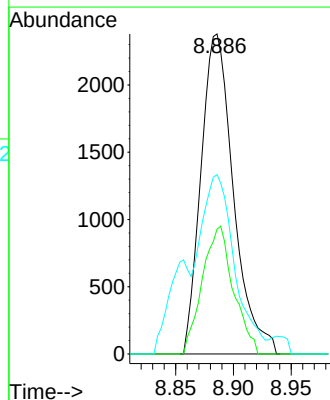
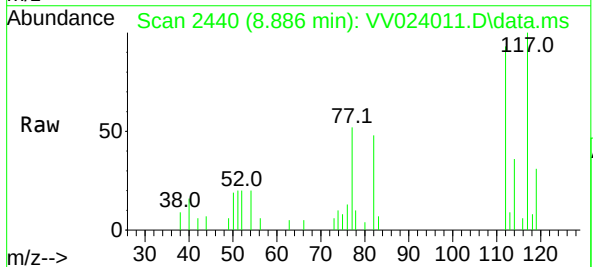
Instrument :
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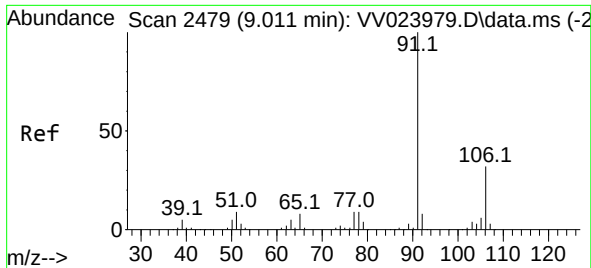
Tgt Ion: 43	Resp: 1777
Ion Ratio	Lower Upper
43	100
58	42.4 44.5 66.7#
57	14.8 15.1 22.7#
100	9.9 10.7 16.1#



#51
Chlorobenzene
Concen: 0.216 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.007 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion: 112	Resp: 4659
Ion Ratio	Lower Upper
112	100
114	39.0 23.3 43.3
77	56.1 43.3 64.9





#52

Ethylbenzene

Concen: 0.068 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV024011.D

Acq: 16 Dec 2021 14:28

Instrument :

MSVOA_V

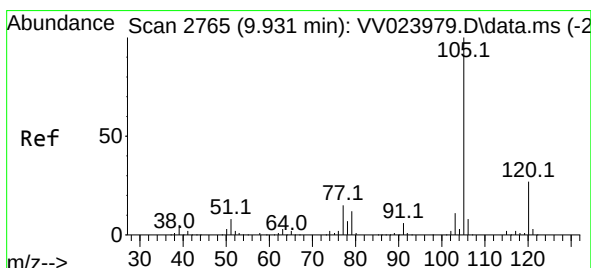
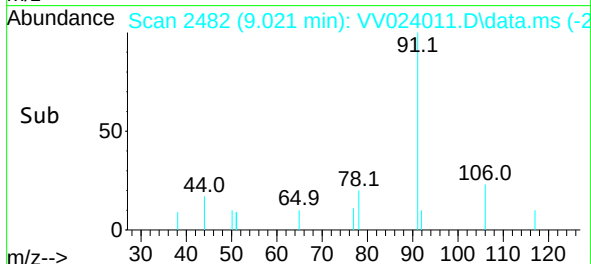
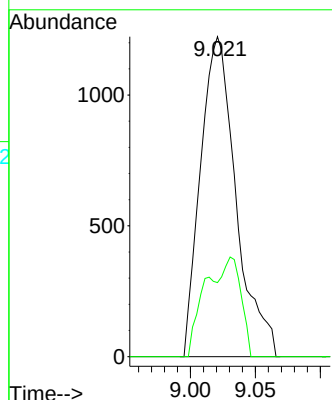
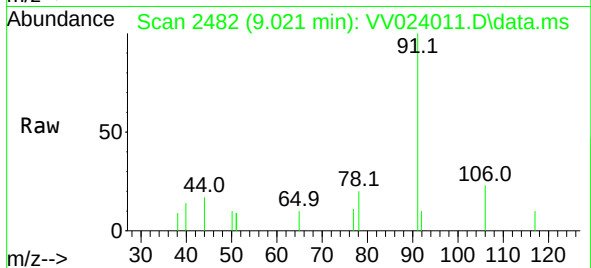
ClientSampleId :

Tgt Ion: 91 Resp: 2327

Ion Ratio Lower Upper

91 100

106 23.1 22.0 41.0



#60

Isopropylbenzene

Concen: 0.627 ug/L

RT: 9.934 min Scan# 2766

Delta R.T. 0.003 min

Lab File: VV024011.D

Acq: 16 Dec 2021 14:28

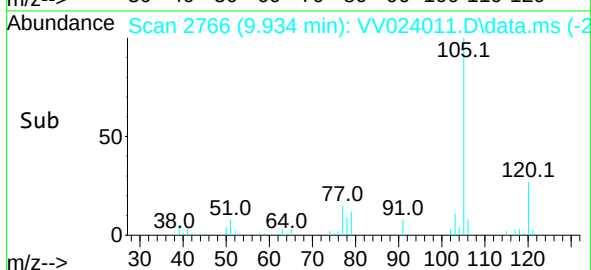
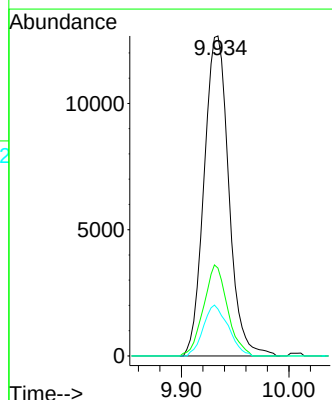
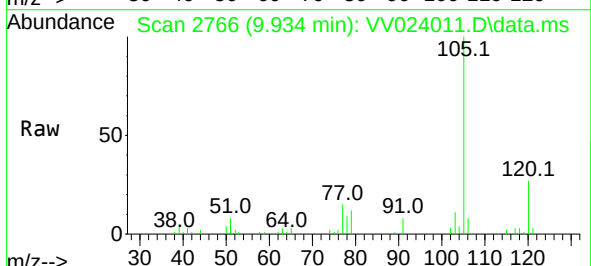
Tgt Ion: 105 Resp: 20190

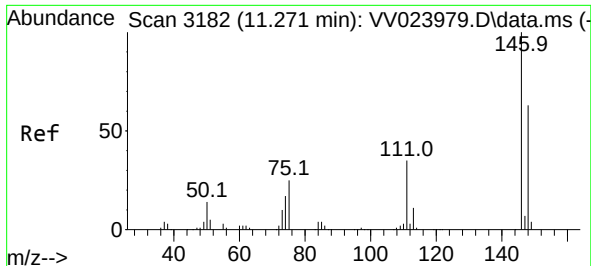
Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.0

77 16.1 12.2 18.4

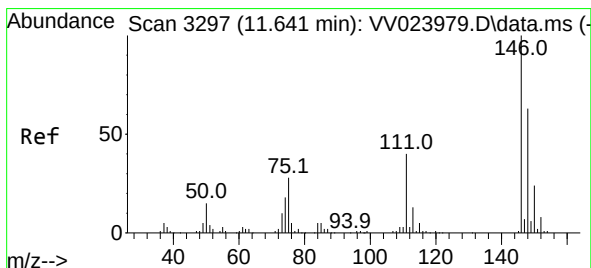
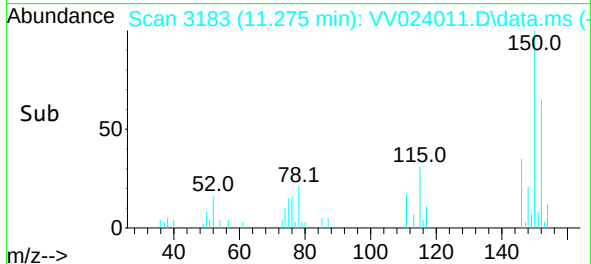
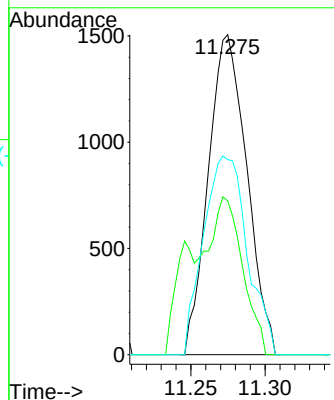
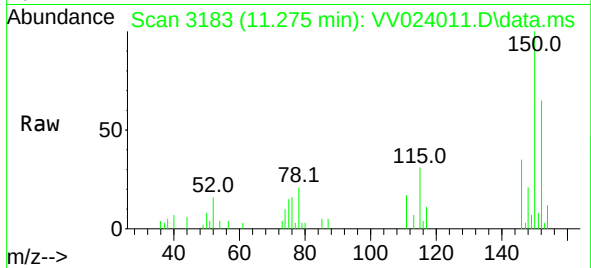




#65
1,4-Dichlorobenzene
Concen: 0.164 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

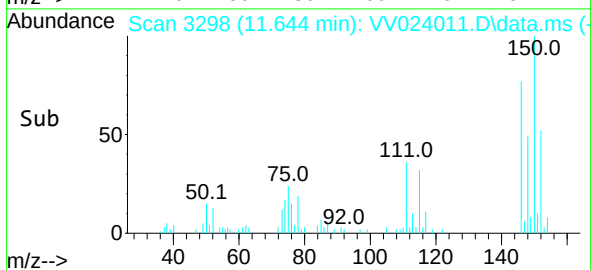
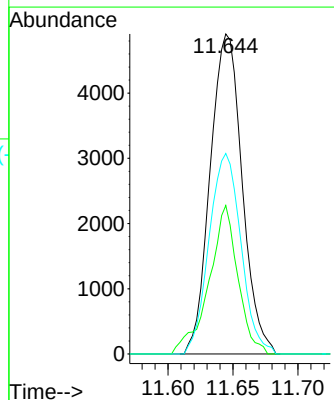
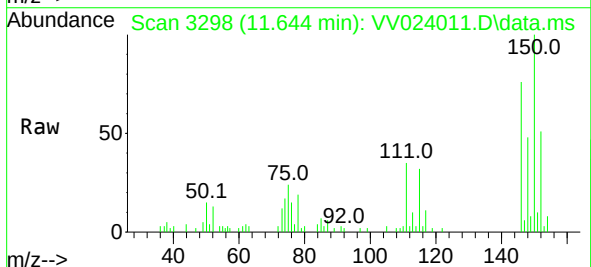
Instrument :
MSVOA_V
ClientSampleId :

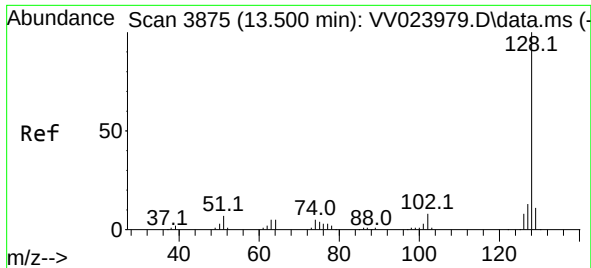
Tgt Ion:146 Resp: 2716
Ion Ratio Lower Upper
146 100
111 48.0 25.6 47.6#
148 61.0 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 0.557 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV024011.D
Acq: 16 Dec 2021 14:28

Tgt Ion:146 Resp: 8398
Ion Ratio Lower Upper
146 100
111 46.4 31.9 47.9
148 62.7 50.5 75.7





#71

Naphthalene

Concen: 0.076 ug/L

RT: 13.516 min Scan# 3880

Delta R.T. 0.016 min

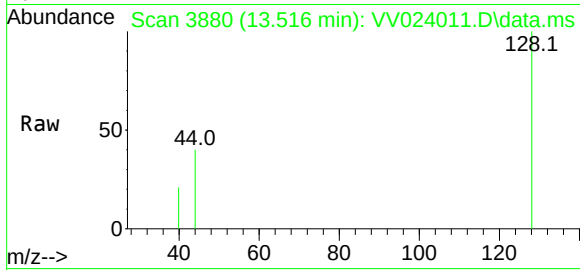
Lab File: VV024011.D

Acq: 16 Dec 2021 14:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 1155

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#

