

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029798.D
 Acq On : 13 Jan 2023 11:07
 Operator : SY/MD
 Sample : 01136-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJB7

Quant Time: Jan 13 22:50:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	235423	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	228785	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	120391	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	70767	3.963	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.565	69	61889	4.181	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.111	63	252988	7.772	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	155.400%#
20) 2-Butanone-d5	3.876	46	136207	43.036	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.080%
24) Chloroform-d	4.336	84	134687	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.024	65	62750	4.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.044	84	281193	4.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.060	67	88036	4.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.307	98	252104	4.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.616	79	29119	4.014	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.085	63	122922	41.624	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.240%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	65132	4.475	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	99737	4.557	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1331	0.058	ug/L	94
5) Vinyl chloride	1.307	62	7203	0.319	ug/L	85
6) Bromomethane	1.523	94	449	0.041	ug/L	93
8) Chloroethane	1.581	64	2395	0.175	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1733	0.099	ug/L #	30
12) 1,1-Dichloroethene	2.114	96	332159	16.523	ug/L #	80
13) Acetone	2.166	43	31690	14.029	ug/L	91
14) Carbon disulfide	2.291	76	14337	0.248	ug/L	99
15) Methyl Acetate	2.433	43	3563	0.606	ug/L #	81
17) Methyl tert-butyl Ether	2.767	73	4995	0.144	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	1578	0.084	ug/L #	82
19) 1,1-Dichloroethane	3.182	63	825355	26.402	ug/L	99
21) 2-Butanone	3.976	43	21434	6.623	ug/L	92
22) cis-1,2-Dichloroethene	3.909	96	15464	0.777	ug/L	95
27) 1,2-Dichloroethane	5.127	62	10304	0.624	ug/L	95
30) Cyclohexane	4.671	56	1777	0.063	ug/L #	65
33) Benzene	5.095	78	39560	0.523	ug/L	100
34) Trichloroethene	5.908	95	11429	0.596	ug/L	98
35) Methylcyclohexane	6.063	83	20530	0.634	ug/L #	20

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

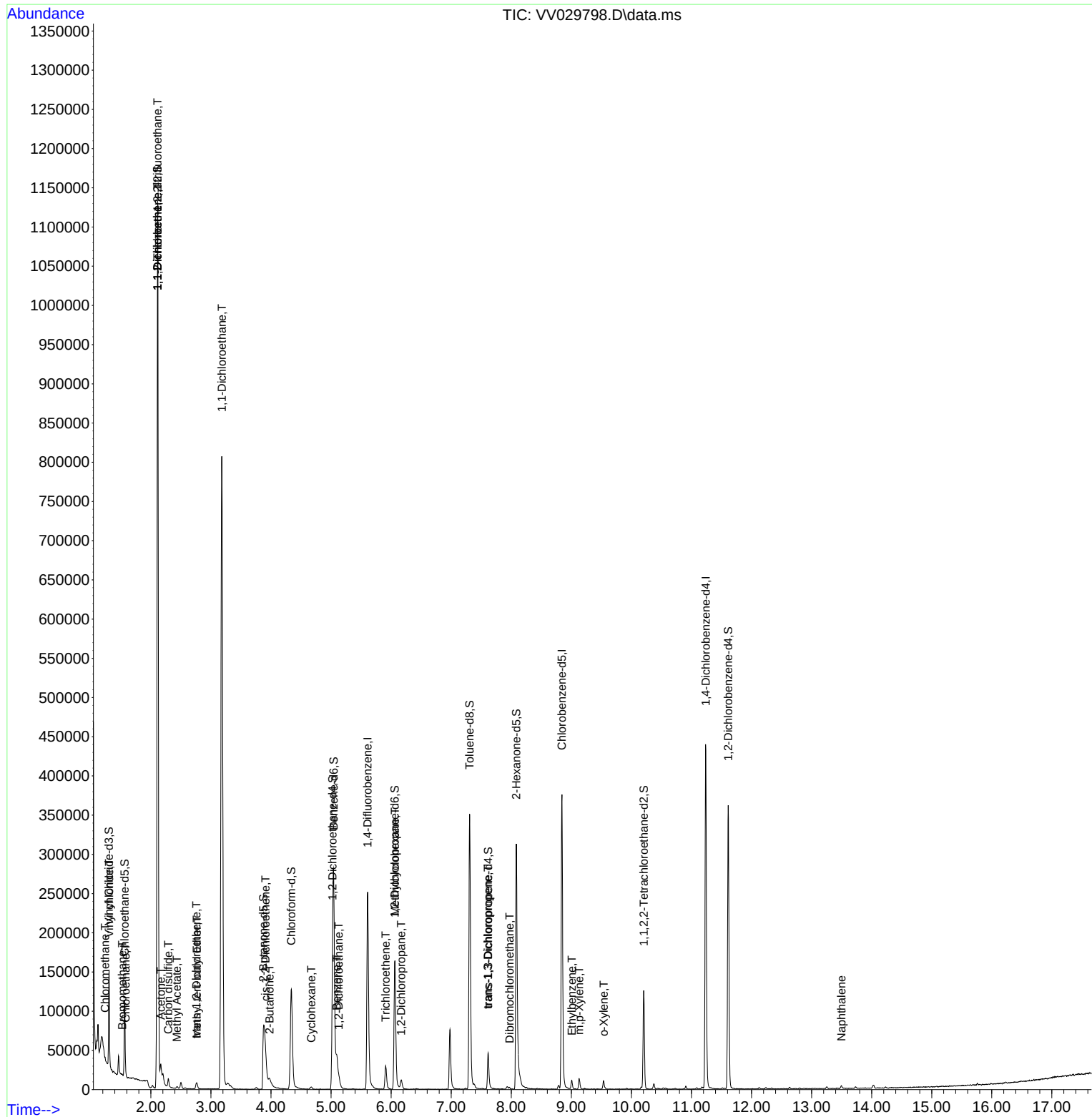
37) 1,2-Dichloropropane	6.169	63	5401	0.305	ug/L #	94
44) trans-1,3-Dichloropropene	7.613	75	1477	0.077	ug/L #	66
49) Dibromochloromethane	7.973	129	519	0.035	ug/L #	11
52) Ethylbenzene	9.008	91	8060	0.094	ug/L	98
53) m,p-Xylene	9.133	106	4533	0.134	ug/L	91
54) o-Xylene	9.539	106	3122	0.097	ug/L	84
71) Naphthalene	13.497	128	3676	0.115	ug/L	95

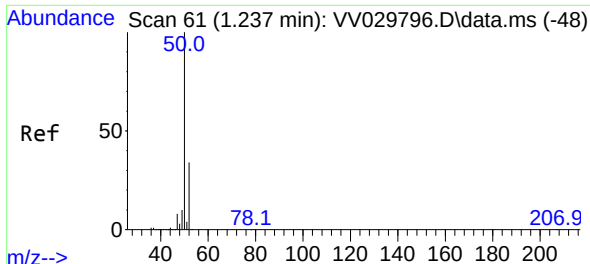
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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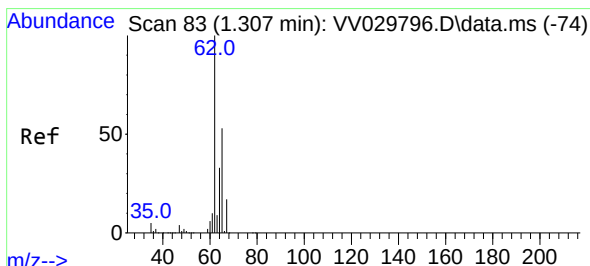
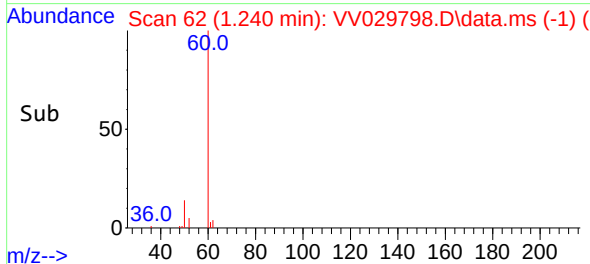
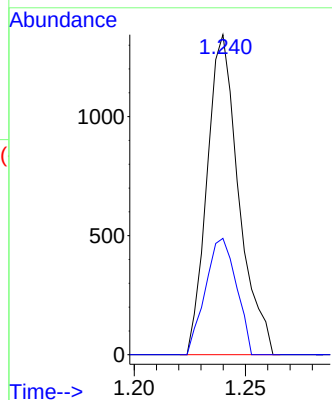
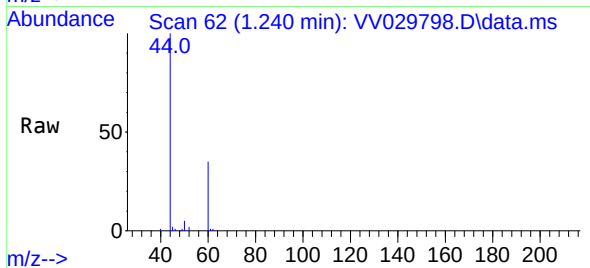




#3
Chloromethane
Concen: 0.058 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

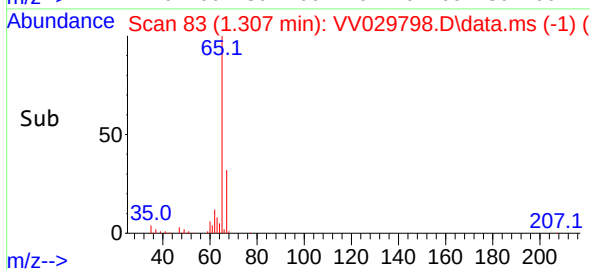
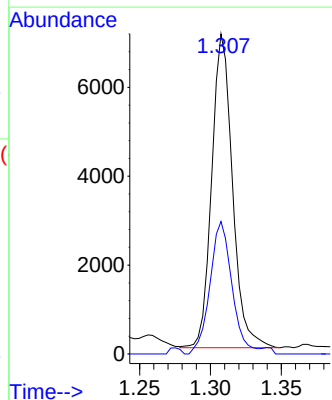
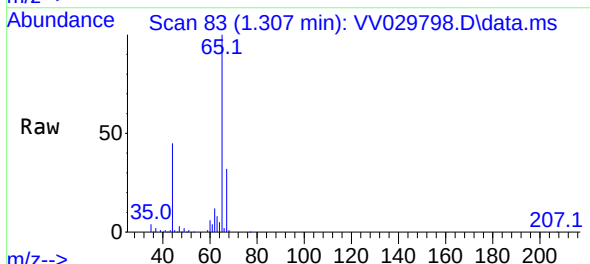
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

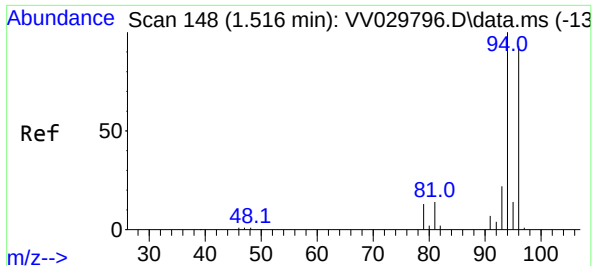
Tgt Ion: 50 Resp: 1331
Ion Ratio Lower Upper
50 100
52 36.4 23.1 42.9



#5
Vinyl chloride
Concen: 0.319 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 62 Resp: 7203
Ion Ratio Lower Upper
62 100
64 41.4 23.2 43.2

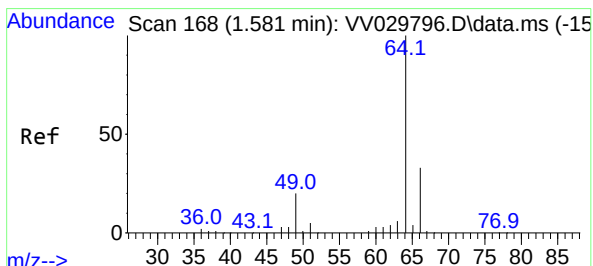
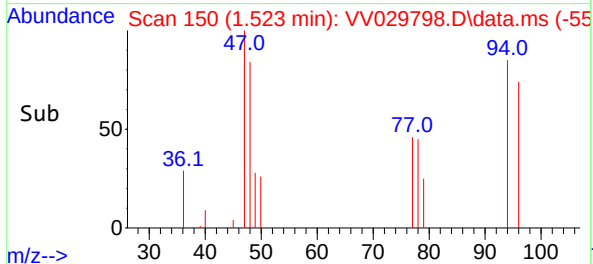
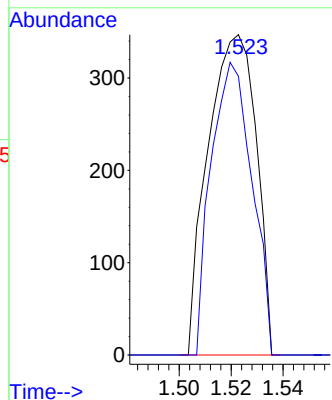
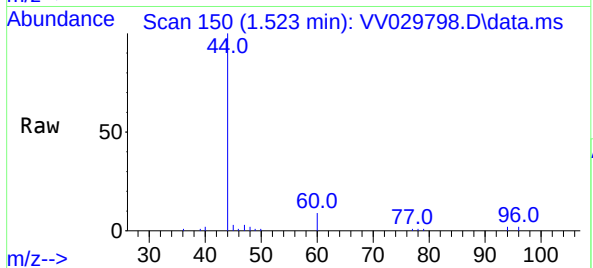




#6
Bromomethane
Concen: 0.041 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

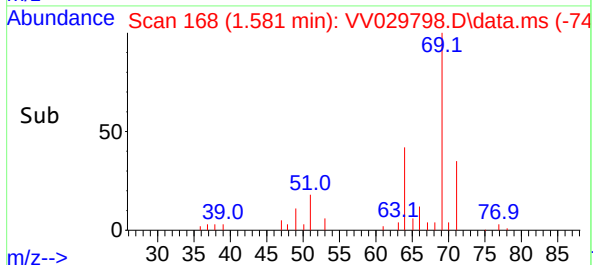
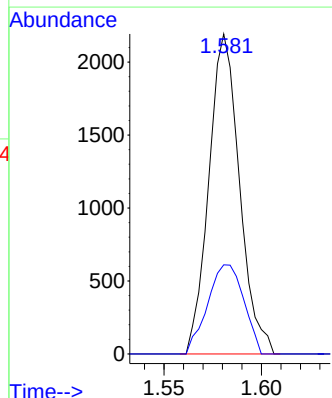
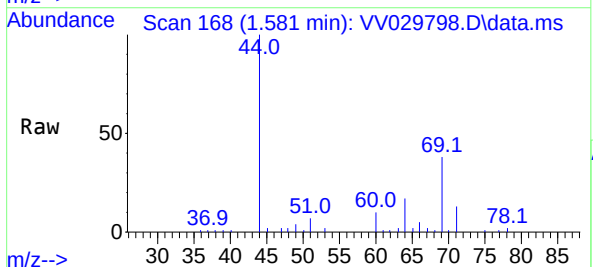
Instrument :
MSVOA_V
ClientSampleId :
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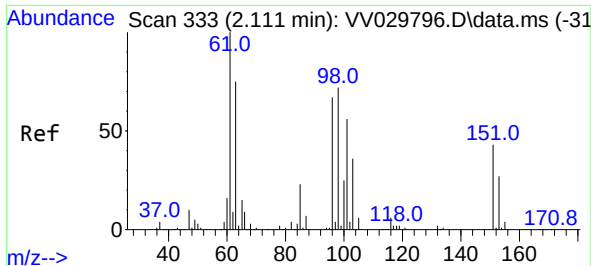
Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 87.0 65.9 122.5



#8
Chloroethane
Concen: 0.175 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 64 Resp: 2395
Ion Ratio Lower Upper
64 100
66 27.9 22.9 42.5

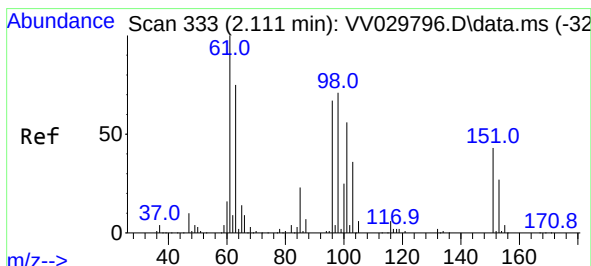
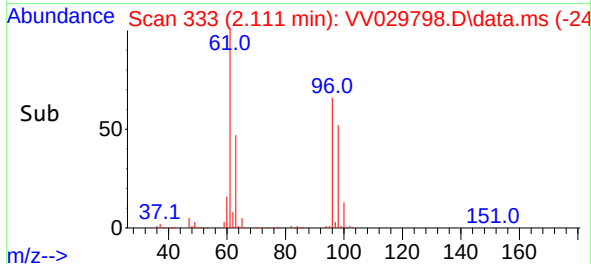
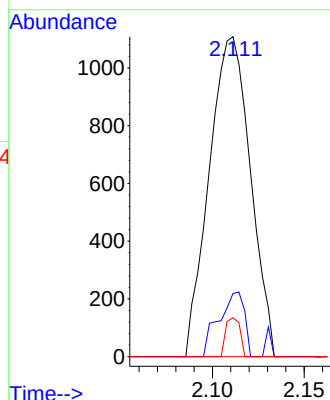
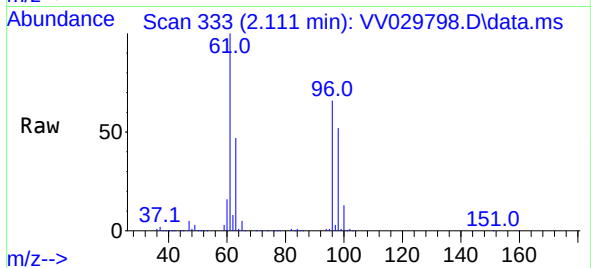




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.099 ug/L
RT: 2.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

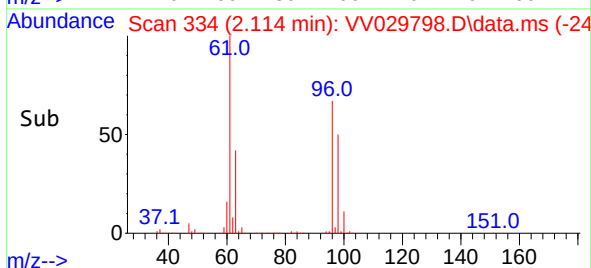
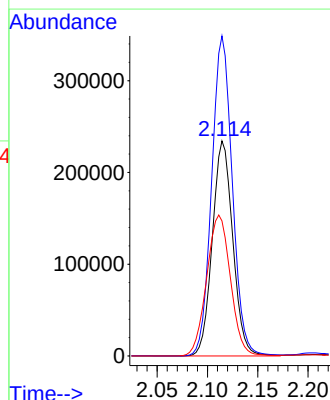
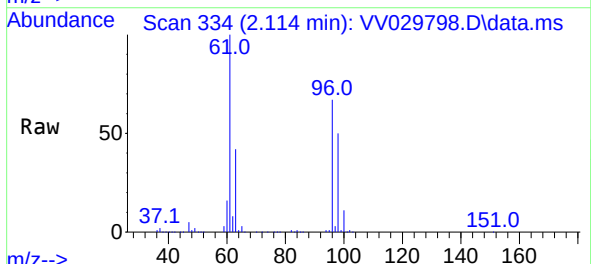
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

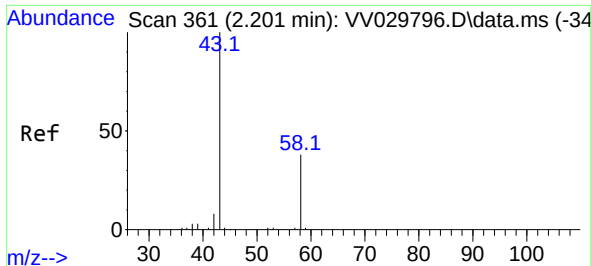
Tgt Ion:101 Resp: 1733
Ion Ratio Lower Upper
101 100
85 12.6 32.9 49.3#
151 4.2 60.9 91.3#



#12
1,1-Dichloroethene
Concen: 16.523 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 96 Resp: 332159
Ion Ratio Lower Upper
96 100
61 148.8 106.1 197.1
63 62.8 76.4 141.8#





#13

Acetone

Concen: 14.029 ug/L

RT: 2.166 min Scan# 31

Delta R.T. -0.032 min

Lab File: VV029798.D

Acq: 13 Jan 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

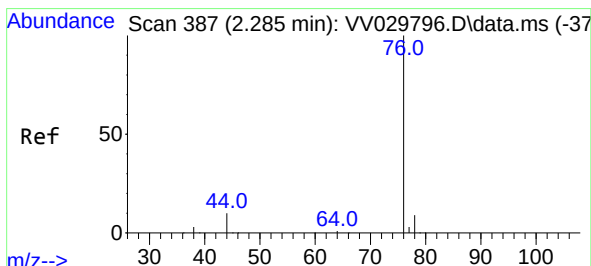
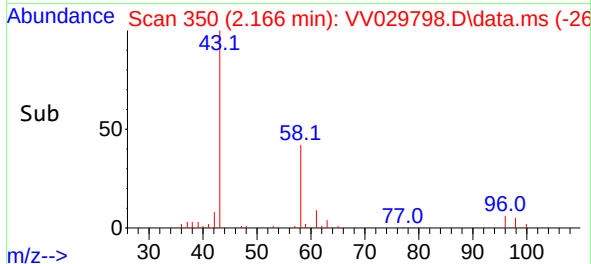
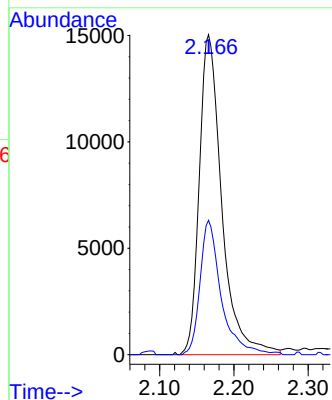
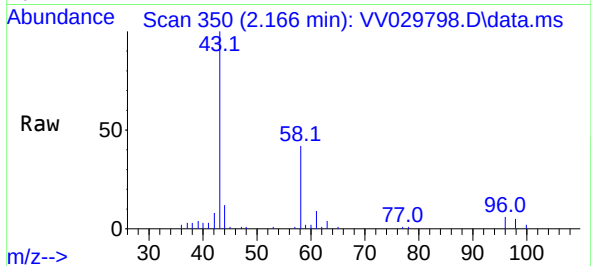
BGJB7

Tgt Ion: 43 Resp: 31690

Ion Ratio Lower Upper

43 100

58 39.4 0.0 68.8



#14

Carbon disulfide

Concen: 0.248 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.006 min

Lab File: VV029798.D

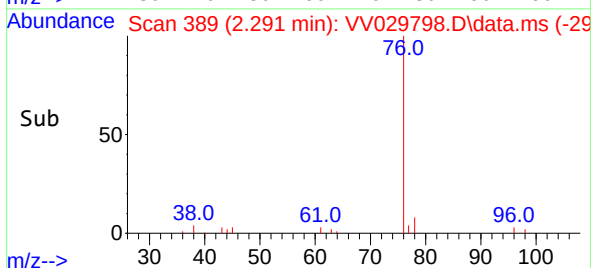
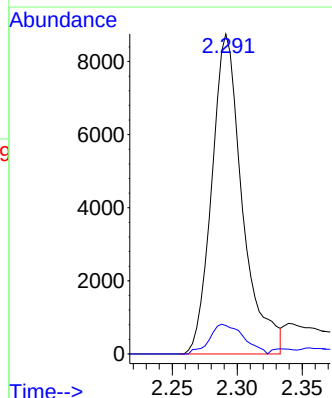
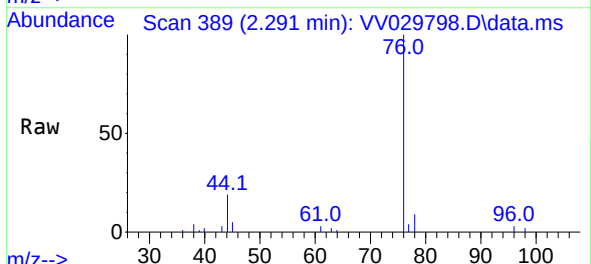
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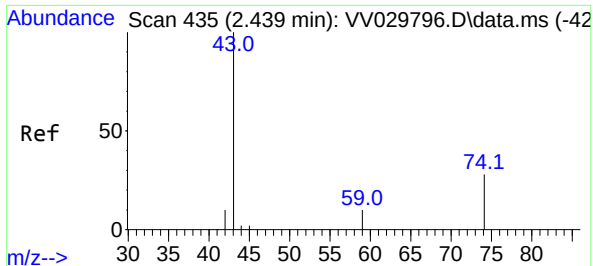
Tgt Ion: 76 Resp: 14337

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

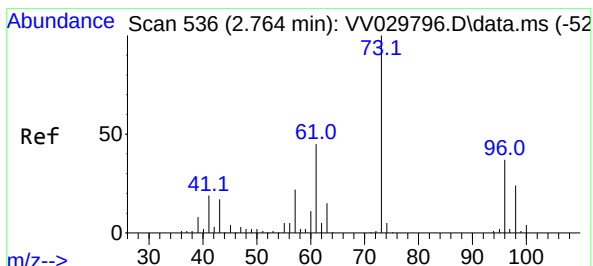
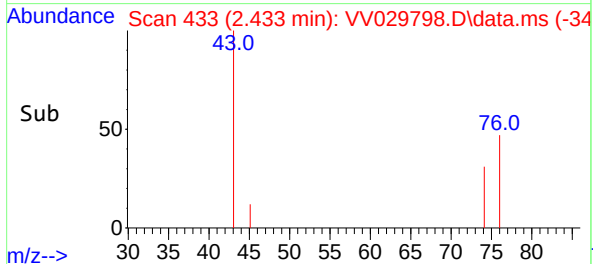
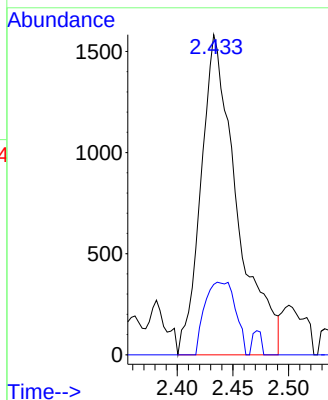
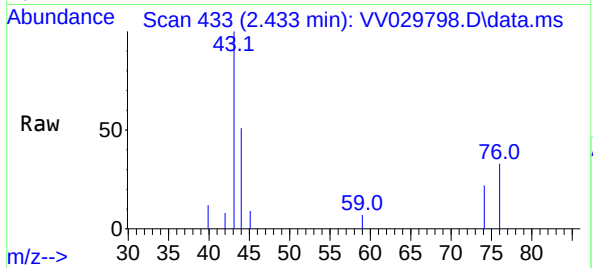




#15
Methyl Acetate
Concen: 0.606 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

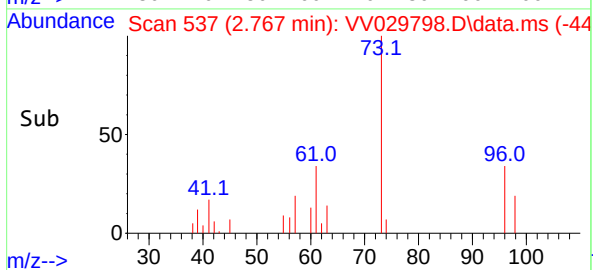
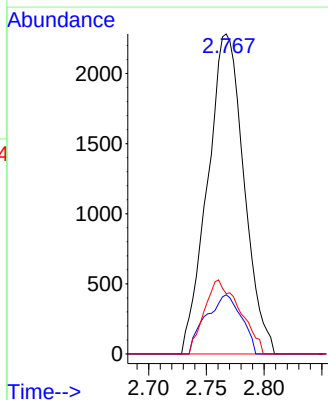
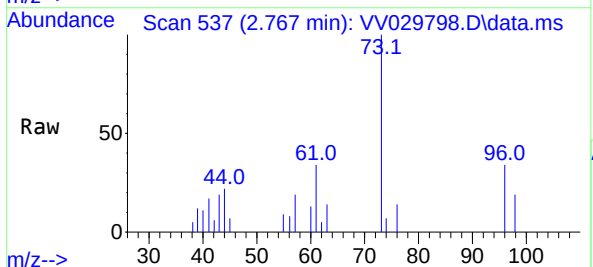
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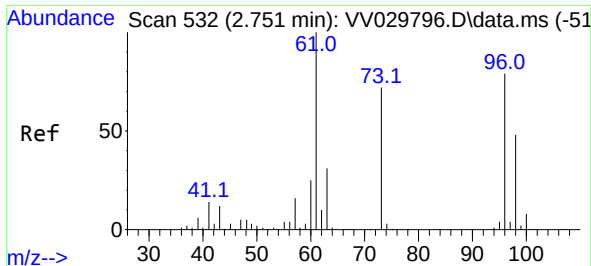
Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
74 19.2 23.4 35.0#



#17
Methyl tert-butyl Ether
Concen: 0.144 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 73 Resp: 4995
Ion Ratio Lower Upper
73 100
43 18.1 13.0 19.4
57 22.6 17.1 25.7

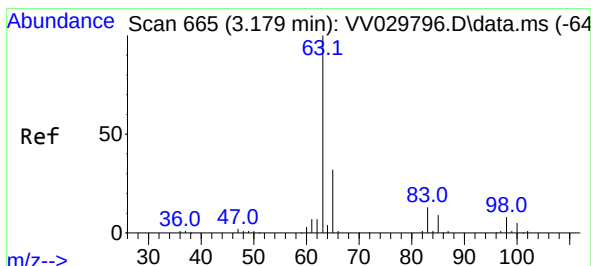
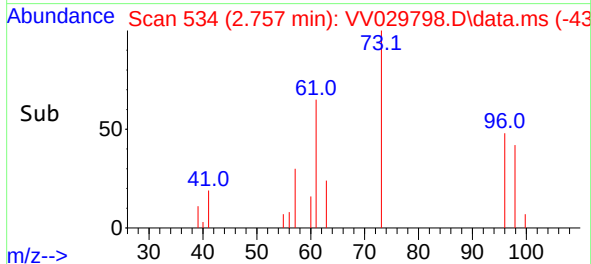
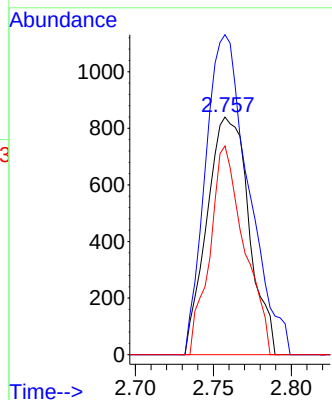
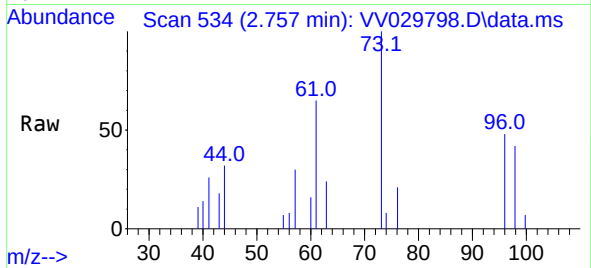




#18
trans-1,2-Dichloroethene
Concen: 0.084 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

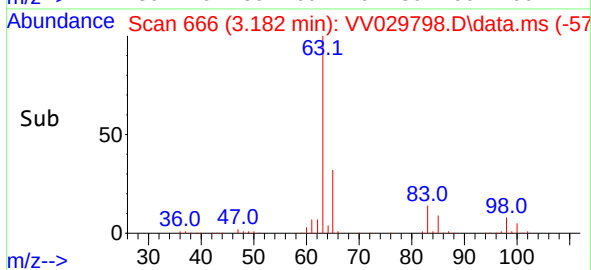
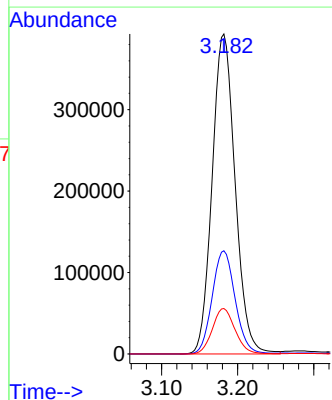
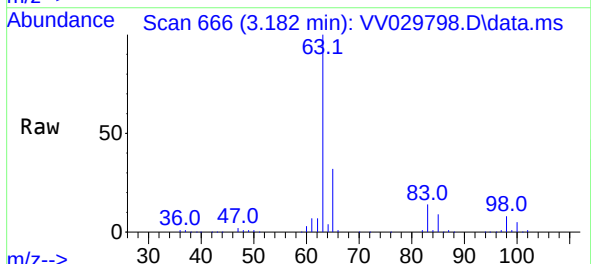
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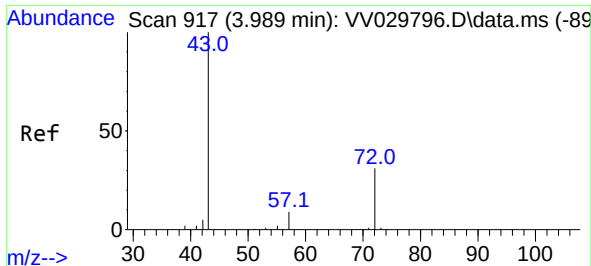
Tgt Ion: 96 Resp: 1578
Ion Ratio Lower Upper
96 100
61 134.6 86.1 159.9
98 87.9 43.9 81.5#



#19
1,1-Dichloroethane
Concen: 26.402 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 63 Resp: 825355
Ion Ratio Lower Upper
63 100
65 32.3 22.4 41.6
83 14.2 10.2 19.0





#21

2-Butanone

Concen: 6.623 ug/L

RT: 3.976 min Scan# 91

Delta R.T. -0.006 min

Lab File: VV029798.D

Acq: 13 Jan 2023 11:07

Instrument :

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ClientSampleId :

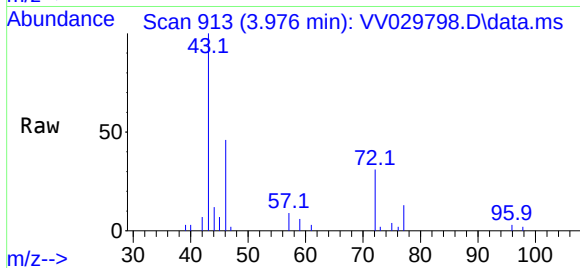
BGJB7

Tgt Ion: 43 Resp: 21434

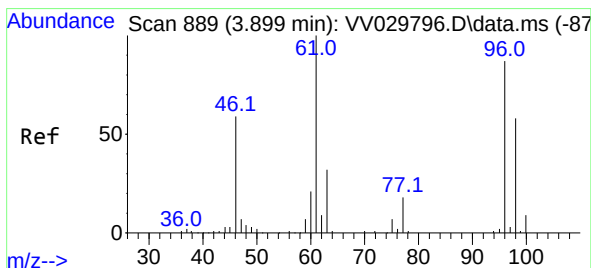
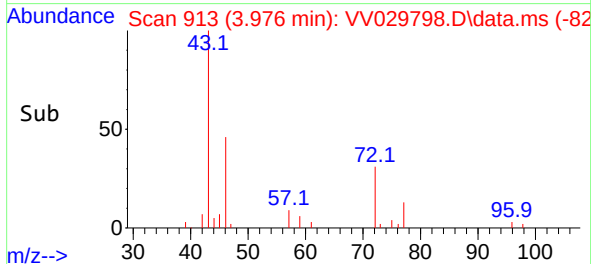
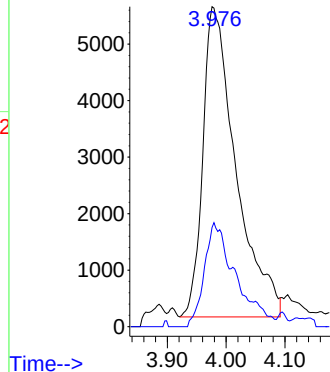
Ion Ratio Lower Upper

43 100

72 31.9 13.9 41.6



Abundance



#22

cis-1,2-Dichloroethene

Concen: 0.777 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV029798.D

Acq: 13 Jan 2023 11:07

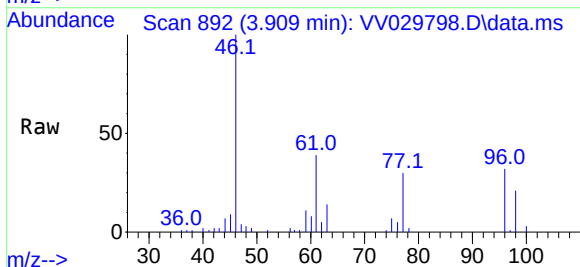
Tgt Ion: 96 Resp: 15464

Ion Ratio Lower Upper

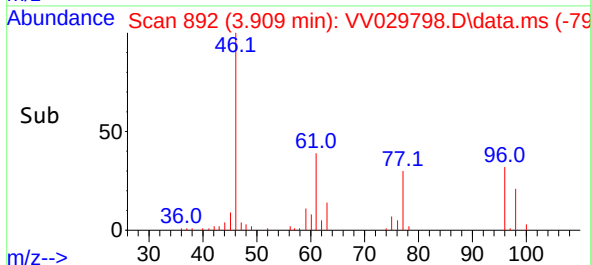
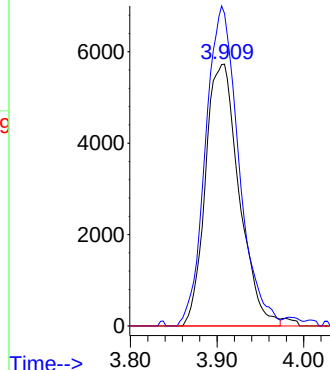
96 100

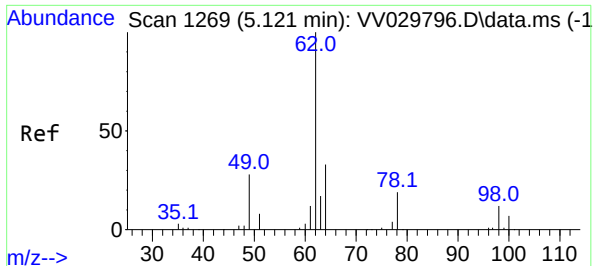
61 119.4 80.0 148.6

68 0.0 0.0 0.0



Abundance

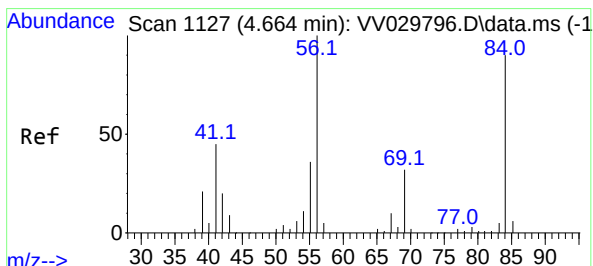
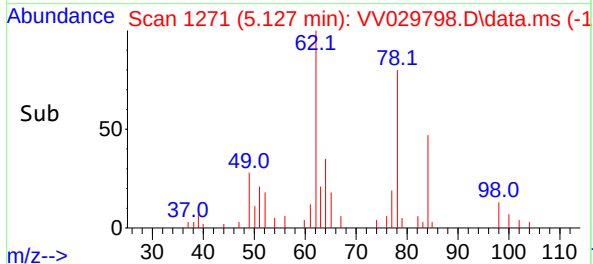
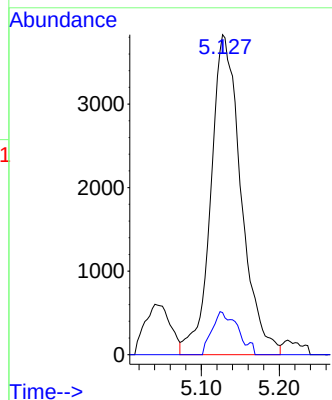
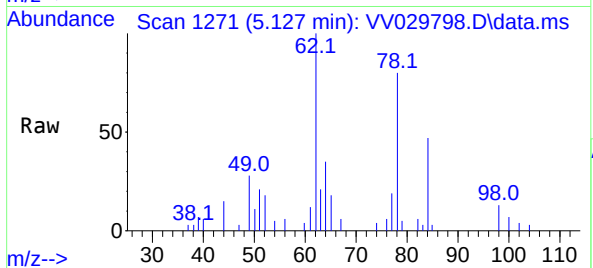




#27
1,2-Dichloroethane
Concen: 0.624 ug/L
RT: 5.127 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

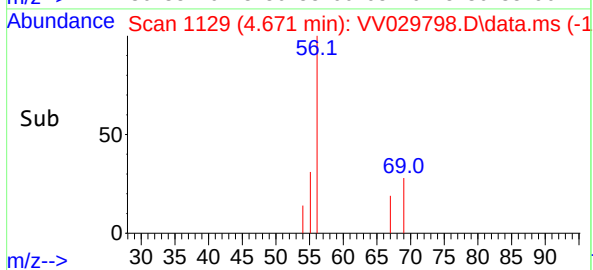
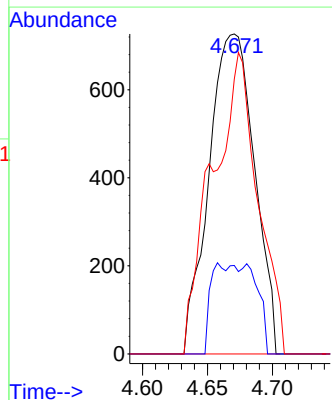
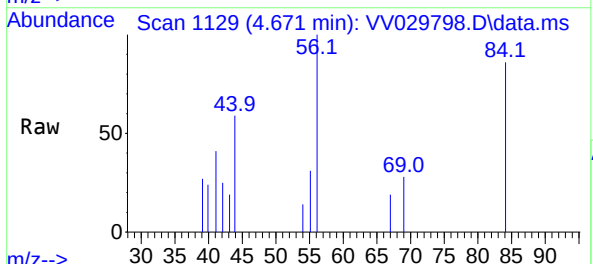
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

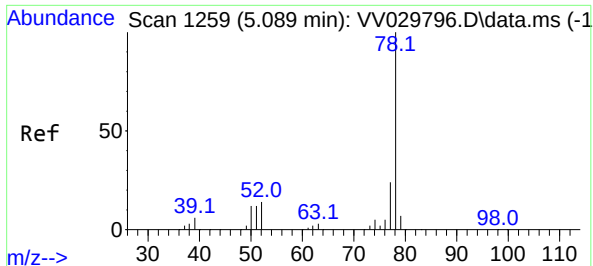
Tgt Ion: 62 Resp: 10304
Ion Ratio Lower Upper
62 100
98 13.2 8.9 13.3



#30
Cyclohexane
Concen: 0.063 ug/L
RT: 4.671 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 56 Resp: 1777
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 66.9 73.8 110.8#

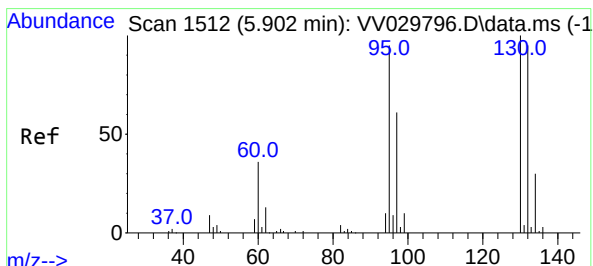
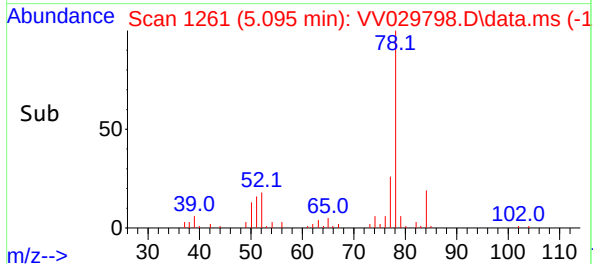
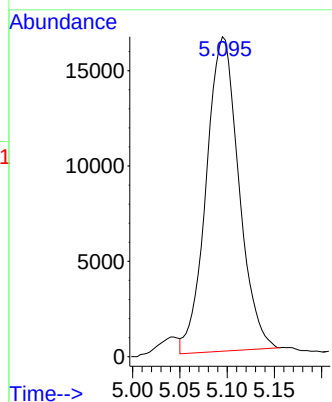
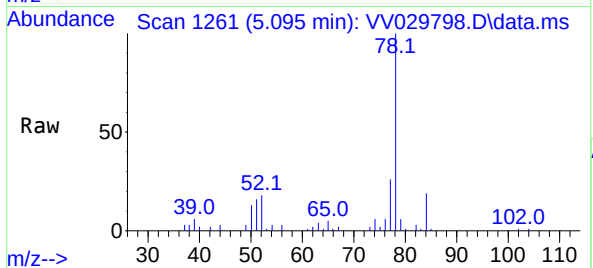




#33
Benzene
Concen: 0.523 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 78 Resp: 39560

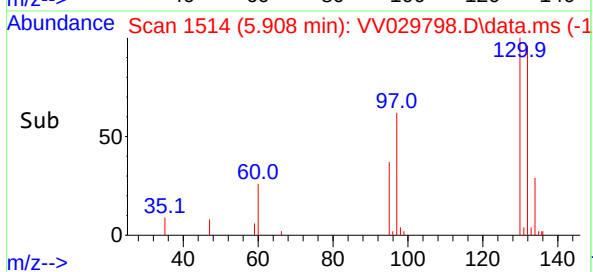
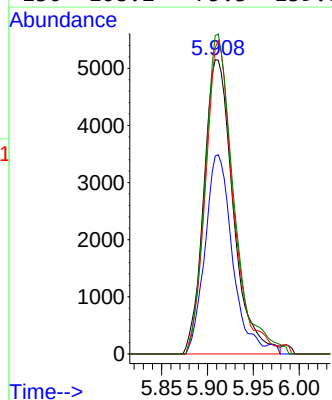
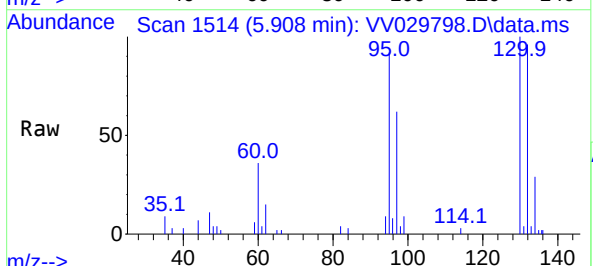
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

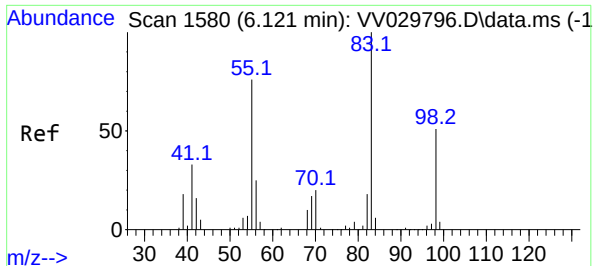


#34
Trichloroethene
Concen: 0.596 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 95 Resp: 11429

Ion	Ratio	Lower	Upper
95	100		
97	67.3	44.9	83.3
132	104.1	71.8	133.4
130	108.2	75.3	139.8

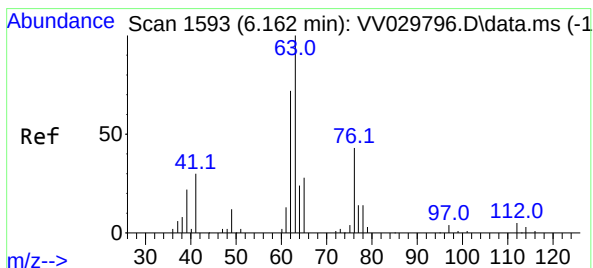
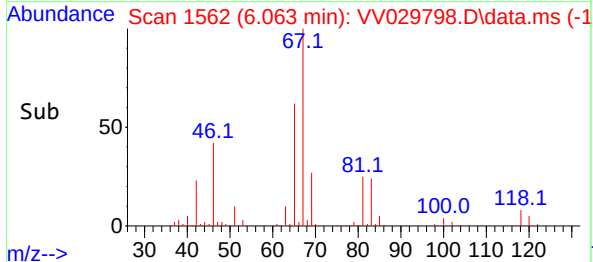
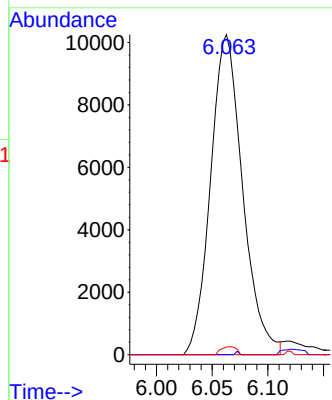
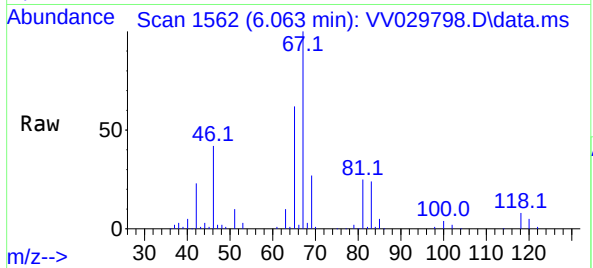




#35
Methylcyclohexane
Concen: 0.634 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

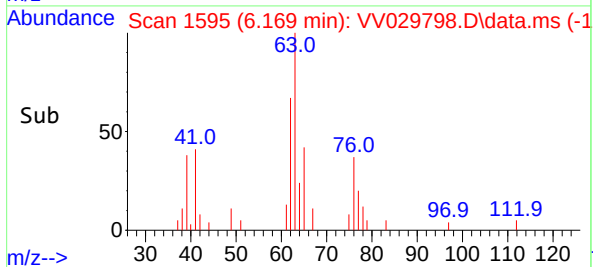
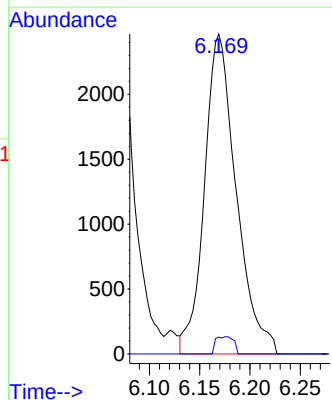
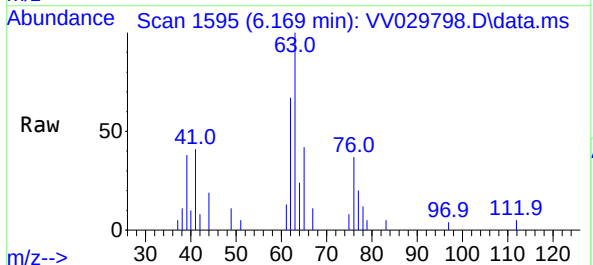
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

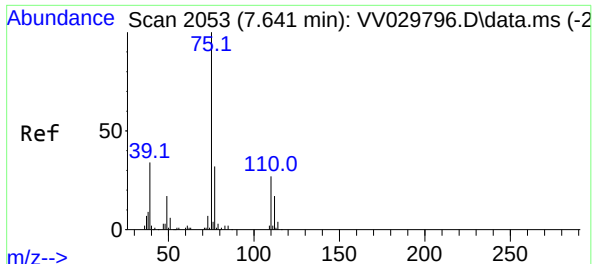
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.1	57.3	85.9#
98	1.2	39.0	58.6#



#37
1,2-Dichloropropane
Concen: 0.305 ug/L
RT: 6.169 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion	Ratio	Lower	Upper
63	100		
112	3.0	3.9	5.9#

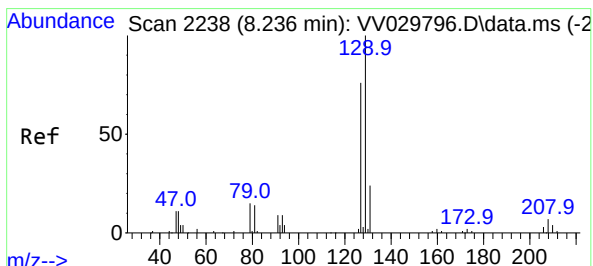
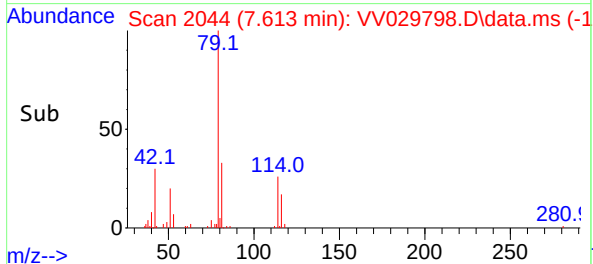
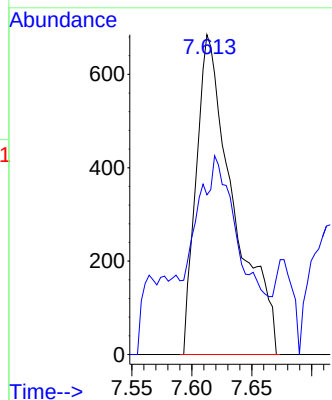
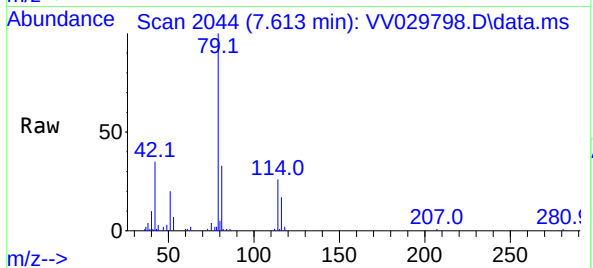




#44
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.613 min Scan# 2053
Delta R.T. -0.029 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

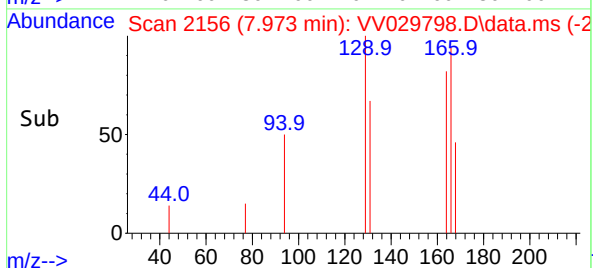
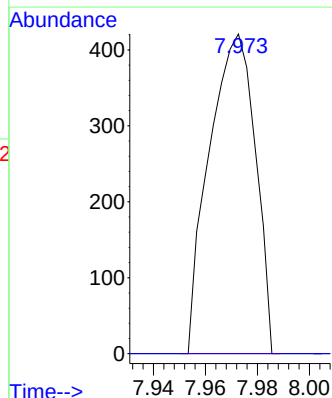
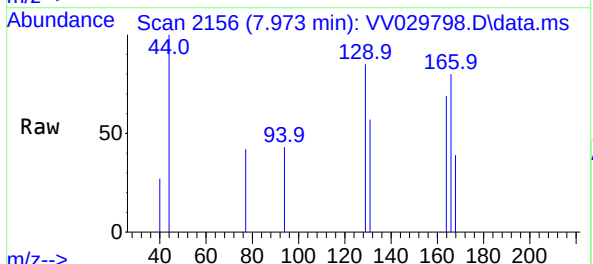
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

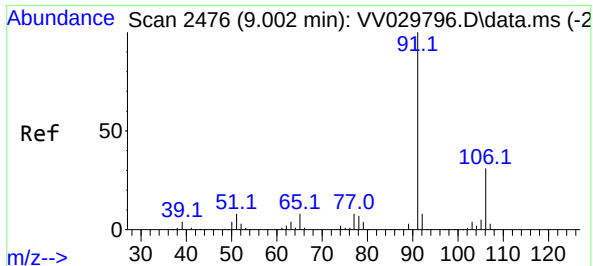
Tgt Ion: 75 Resp: 1477
Ion Ratio Lower Upper
75 100
77 49.9 21.9 40.7#



#49
Dibromochloromethane
Concen: 0.035 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.264 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 129 Resp: 519
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

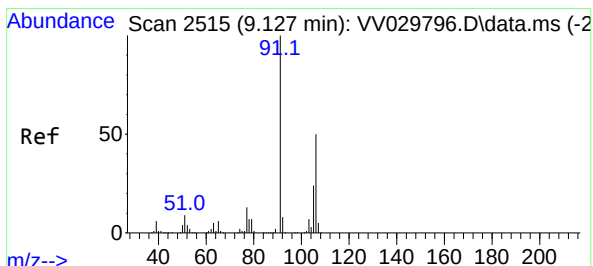
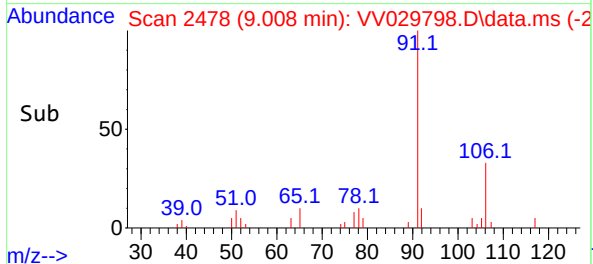
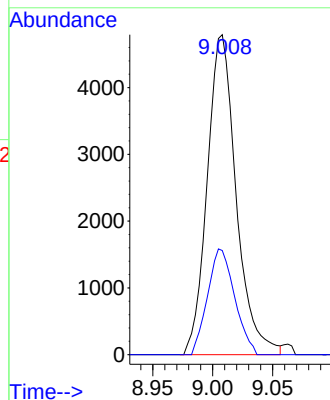
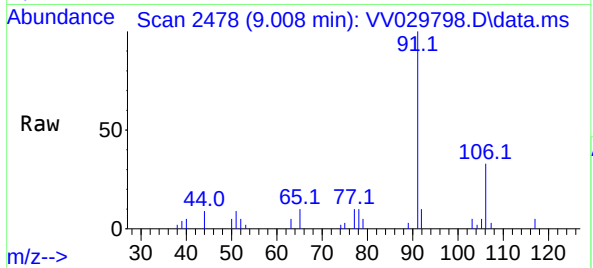




#52
Ethylbenzene
Concen: 0.094 ug/L
RT: 9.008 min Scan# 2476
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

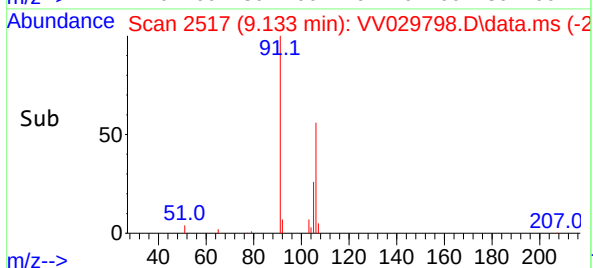
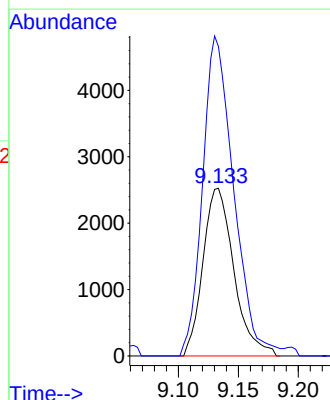
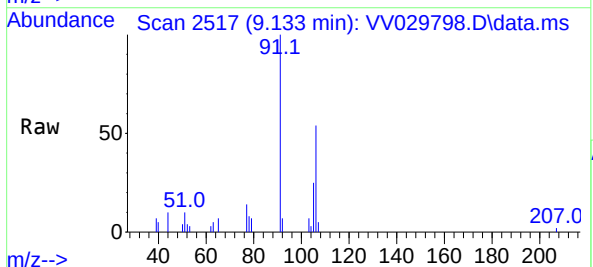
Instrument :
MSVOA_V
ClientSampleId :
BGJB7

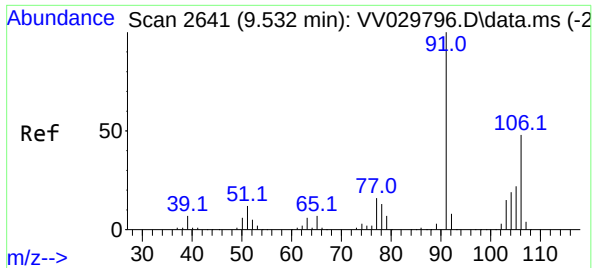
Tgt Ion: 91 Resp: 8060
Ion Ratio Lower Upper
91 100
106 32.6 21.9 40.7



#53
m,p-Xylene
Concen: 0.134 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion: 106 Resp: 4533
Ion Ratio Lower Upper
106 100
91 184.5 138.7 257.7

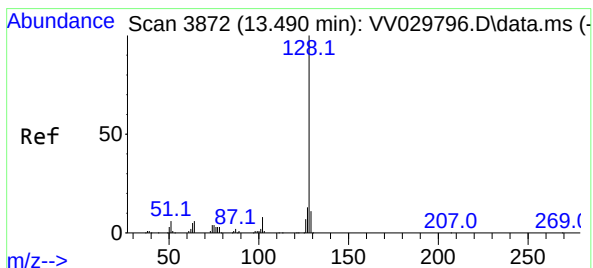
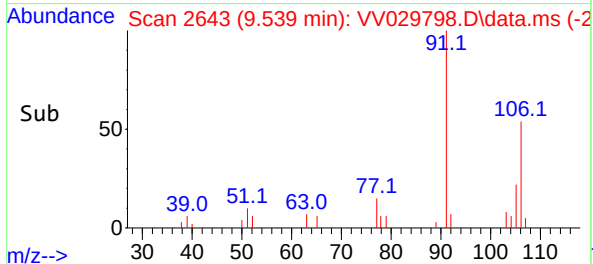
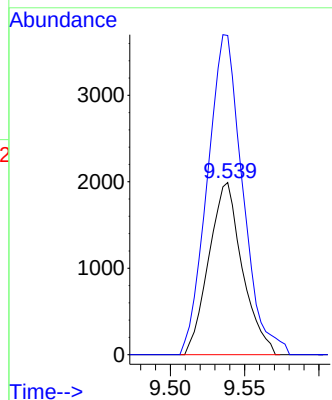
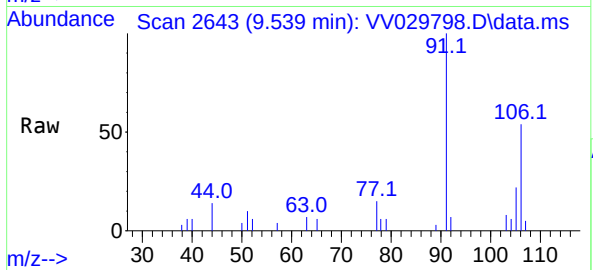




#54
o-Xylene
Concen: 0.097 ug/L
RT: 9.539 min Scan# 20
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
BGJB7

Tgt Ion:106 Resp: 3122
Ion Ratio Lower Upper
106 100
91 185.3 147.7 274.3



#71
Naphthalene
Concen: 0.115 ug/L
RT: 13.497 min Scan# 3874
Delta R.T. 0.006 min
Lab File: VV029798.D
Acq: 13 Jan 2023 11:07

Tgt Ion:128 Resp: 3676
Ion Ratio Lower Upper
128 100
129 8.6 8.6 12.8
127 10.8 10.0 15.0

