

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061522\
 Data File : VW026300.D
 Acq On : 16 Jun 2022 00:32
 Operator : SY/MD
 Sample : N3320-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ77

Quant Time: Jun 16 06:56:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 16 04:34:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	188874	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	183870	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	77242	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	79153	4.825	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.581	69	65665	5.091	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.121	63	115143	4.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	3.925	46	83972	52.458	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.920%
24) Chloroform-d	4.362	84	125138	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.043	65	52060	5.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.060	84	247275	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.076	67	75266	5.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.320	98	201337	4.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	7.629	79	19954	4.289	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.092	63	62172	44.240	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.480%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45519	5.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	63830	5.365	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.323	62	9487	0.582	ug/L	88
8) Chloroethane	1.635	64	19841	1.960	ug/L #	48
12) 1,1-Dichloroethene	2.130	96	14354	1.203	ug/L #	1
13) Acetone	2.211	43	56694	45.701	ug/L	94
14) Carbon disulfide	2.307	76	3481	0.118	ug/L	100
15) Methyl Acetate	2.462	43	7099	2.385	ug/L	96
17) Methyl tert-butyl Ether	2.786	73	2140	0.104	ug/L #	82
19) 1,1-Dichloroethane	3.204	63	21313	0.966	ug/L	97
22) cis-1,2-Dichloroethene	3.928	96	14087	1.203	ug/L	97
25) Chloroform	4.391	83	3035	0.127	ug/L	88
27) 1,2-Dichloroethane	5.056	62	1474	0.135	ug/L #	71
29) 1,1,1-Trichloroethane	4.629	97	1322	0.065	ug/L	94
34) Trichloroethene	5.918	95	81450	6.329	ug/L	97
35) Methylcyclohexane	6.076	83	17953	1.008	ug/L #	19
39) cis-1,3-Dichloropropene	6.989	75	1428	0.101	ug/L #	59
42) Toluene	7.400	91	9969	0.201	ug/L	95
44) trans-1,3-Dichloropropene	7.629	75	907	0.081	ug/L #	75
47) Tetrachloroethene	7.979	164	1099	0.115	ug/L	95
49) Dibromochloromethane	7.976	129	1139	0.127	ug/L #	9

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061522\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jun 16 04:34:39 2022
Response via : Initial Calibration

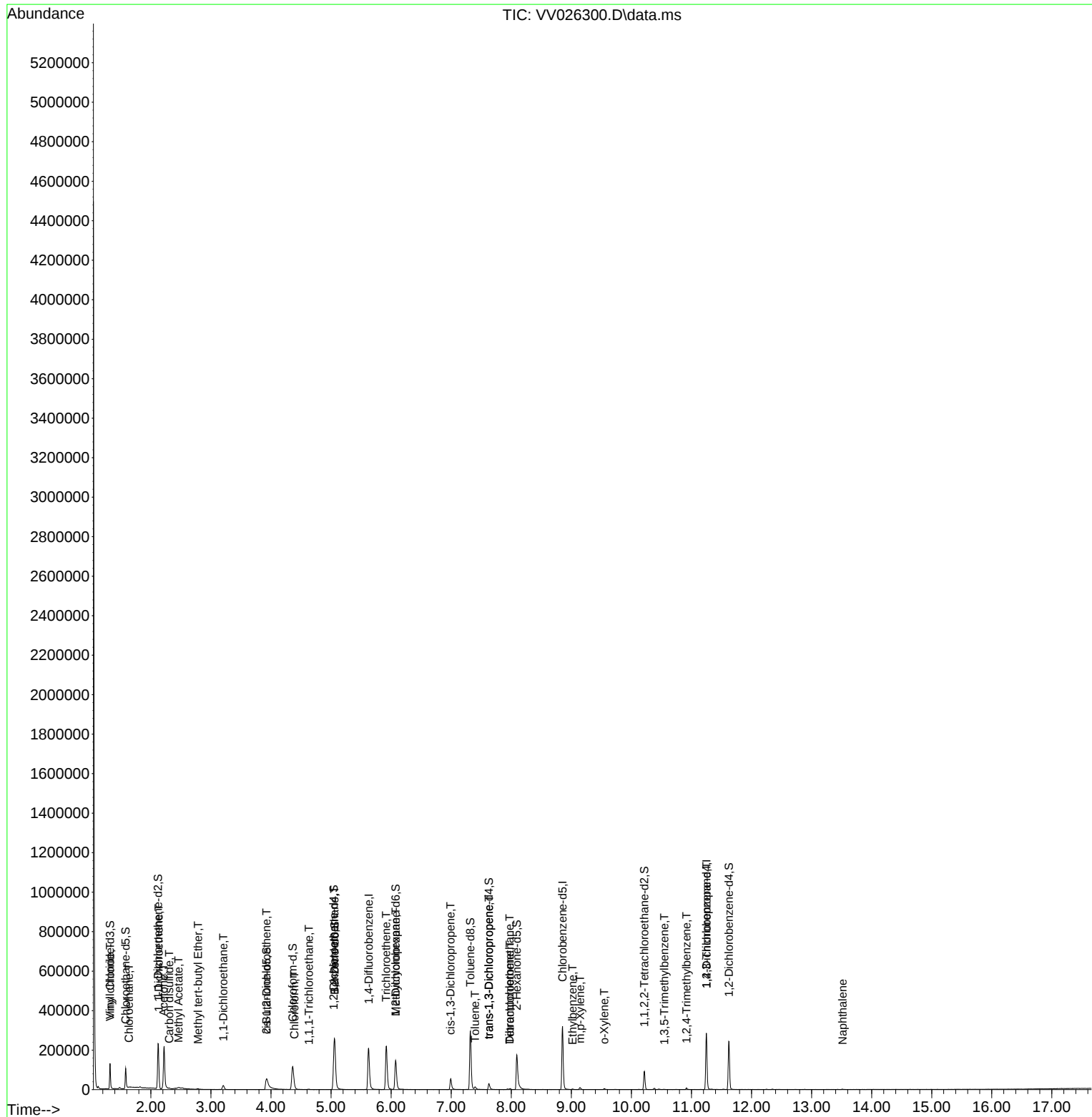
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.021	91	2322	0.047	ug/L	94
53) m,p-Xylene	9.146	106	3128	0.161	ug/L	97
54) o-Xylene	9.551	106	1332	0.071	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	8752	1.746	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.548	105	1060	0.032	ug/L	92
63) 1,2,4-Trimethylbenzene	10.918	105	4210	0.130	ug/L	97
71) Naphthalene	13.516	128	1933	0.129	ug/L #	84

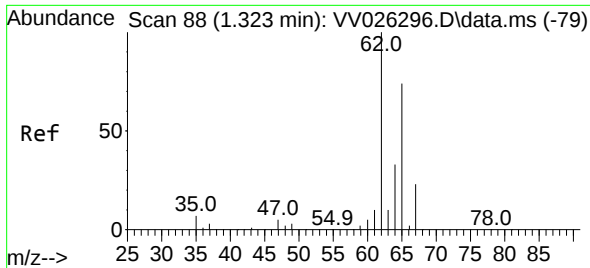
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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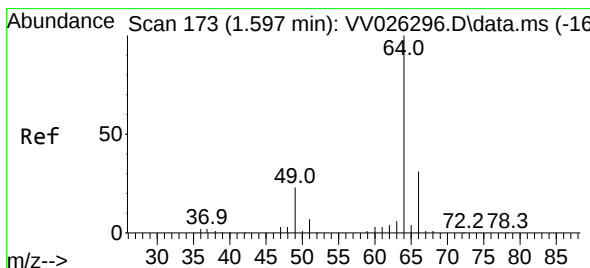
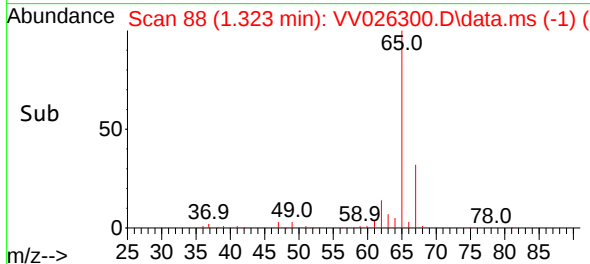
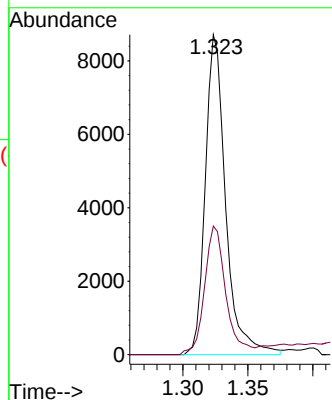
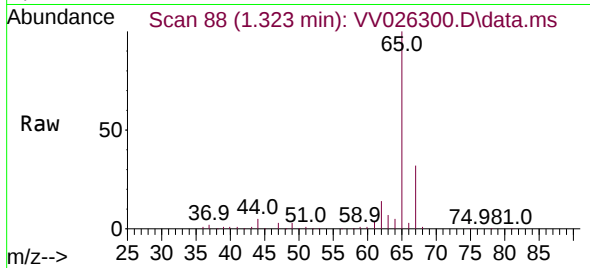




#5
 Vinyl chloride
 Concen: 0.582 ug/L
 RT: 1.323 min Scan# 88
 Delta R.T. 0.000 min
 Lab File: VV026300.D
 Acq: 16 Jun 2022 00:32

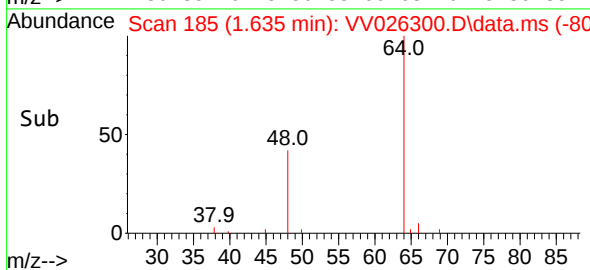
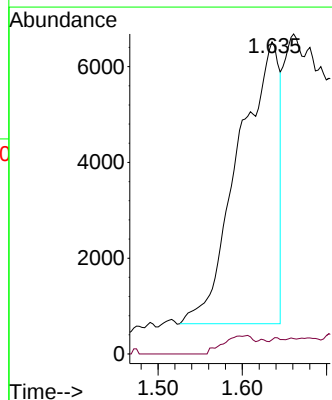
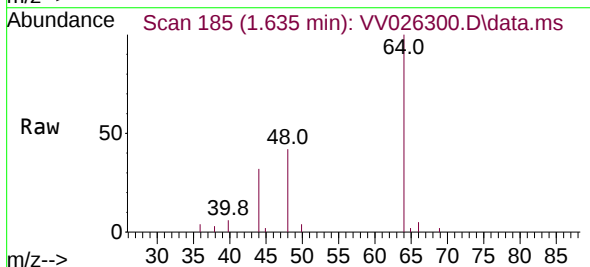
Instrument :
 MSVOA_V
 ClientSampleId :
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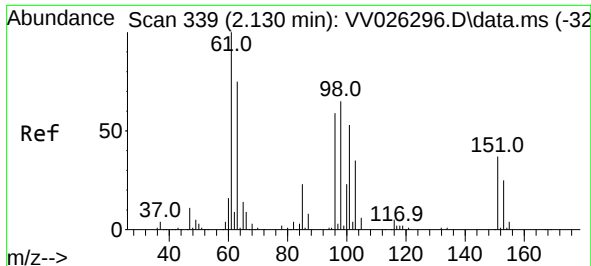
Tgt Ion: 62 Resp: 9487
 Ion Ratio Lower Upper
 62 100
 64 40.2 23.2 43.2



#8
 Chloroethane
 Concen: 1.960 ug/L
 RT: 1.635 min Scan# 185
 Delta R.T. 0.039 min
 Lab File: VV026300.D
 Acq: 16 Jun 2022 00:32

Tgt Ion: 64 Resp: 19841
 Ion Ratio Lower Upper
 64 100
 66 4.6 24.1 44.7#





#12

1,1-Dichloroethene

Concen: 1.203 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV026300.D

Acq: 16 Jun 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

BGJ77

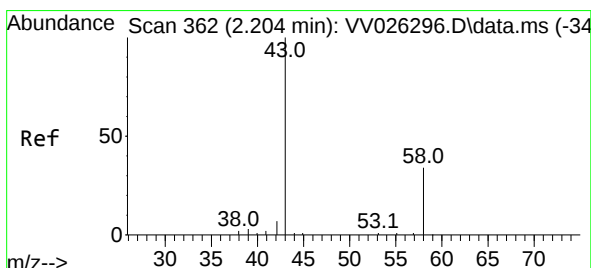
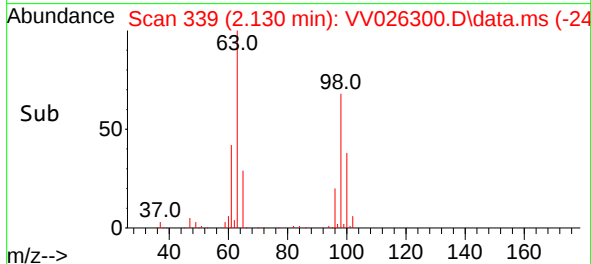
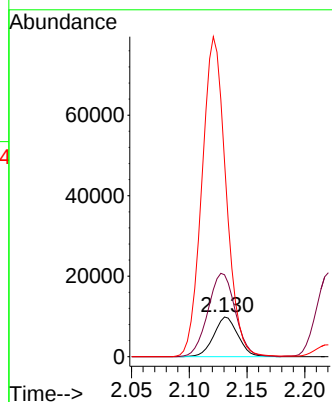
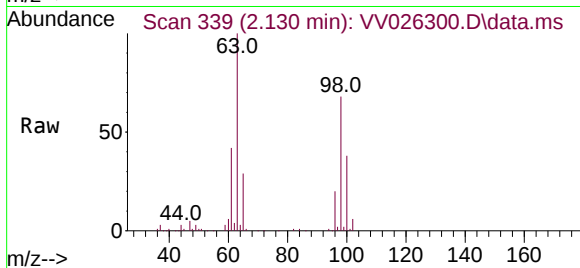
Tgt Ion: 96 Resp: 14354

Ion Ratio Lower Upper

96 100

61 206.2 117.1 217.5

63 491.6 92.8 172.4#



#13

Acetone

Concen: 45.701 ug/L

RT: 2.211 min Scan# 364

Delta R.T. 0.007 min

Lab File: VV026300.D

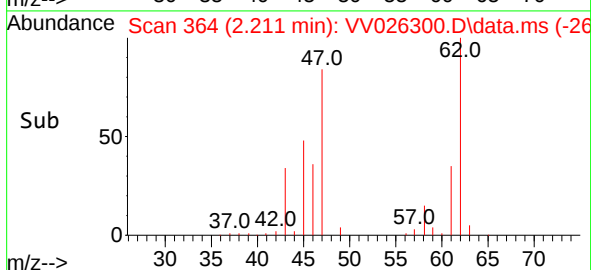
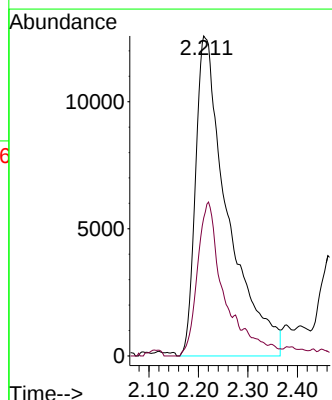
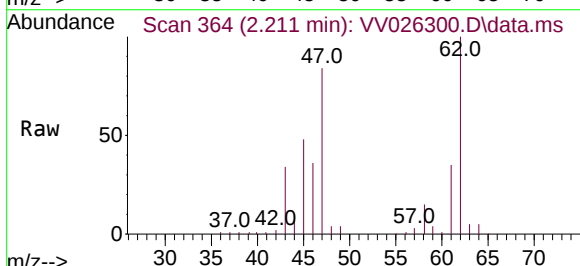
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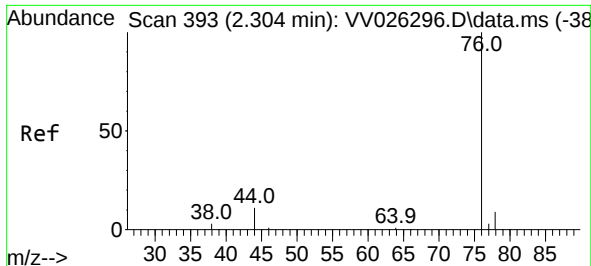
Tgt Ion: 43 Resp: 56694

Ion Ratio Lower Upper

43 100

58 33.2 0.0 60.0

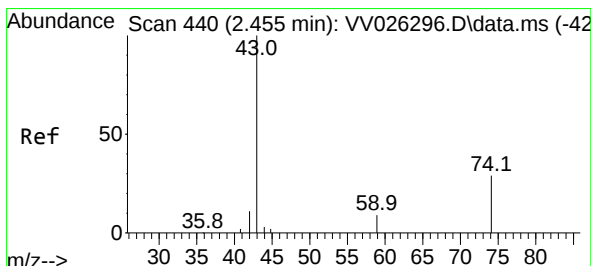
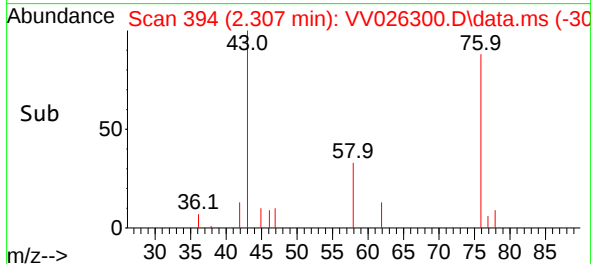
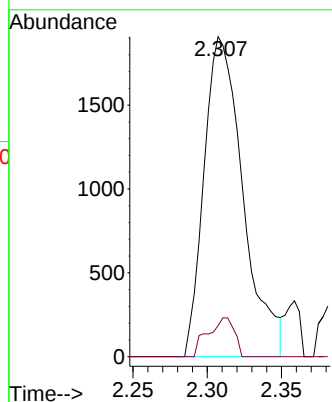
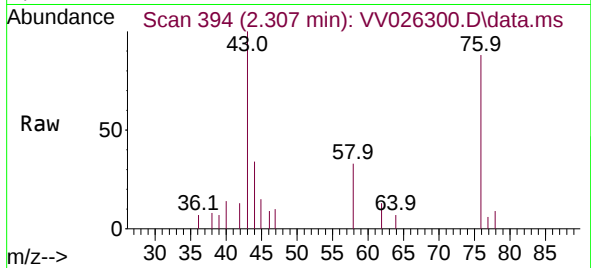




#14
Carbon disulfide
Concen: 0.118 ug/L
RT: 2.307 min Scan# 393
Delta R.T. 0.003 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

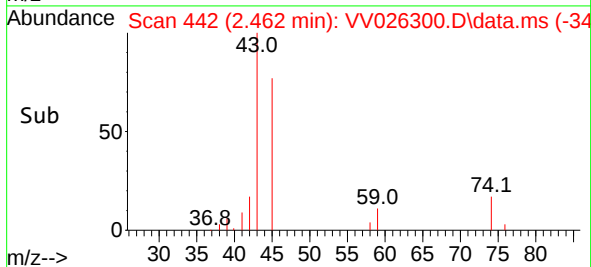
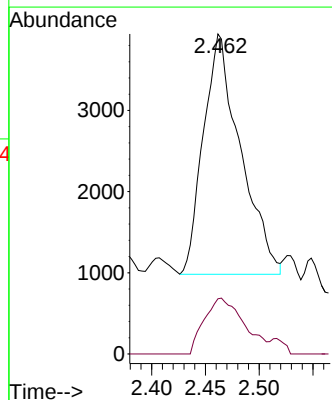
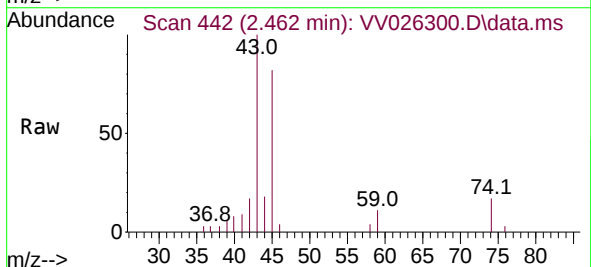
Instrument :
MSVOA_V
ClientSampleId :
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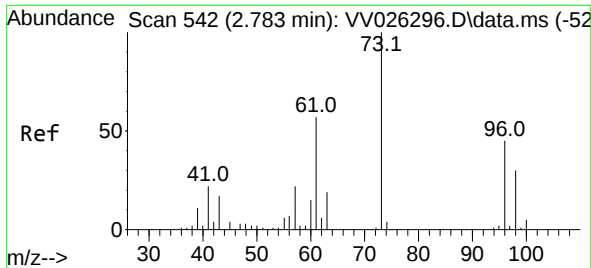
Tgt Ion: 76 Resp: 3481
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5



#15
Methyl Acetate
Concen: 2.385 ug/L
RT: 2.462 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion: 43 Resp: 7099
Ion Ratio Lower Upper
43 100
74 24.9 21.4 32.0

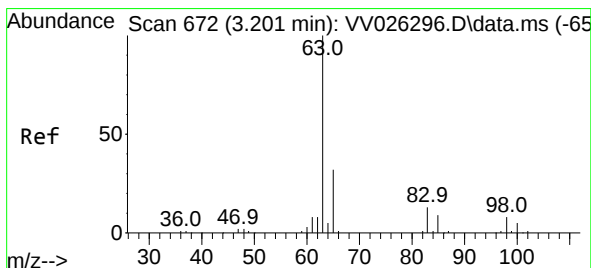
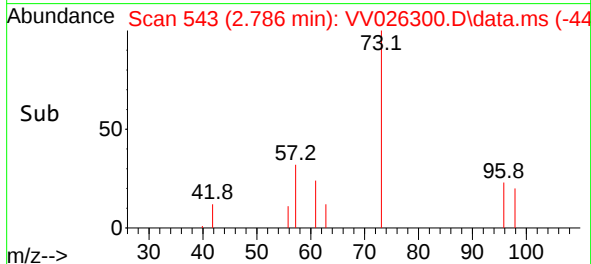
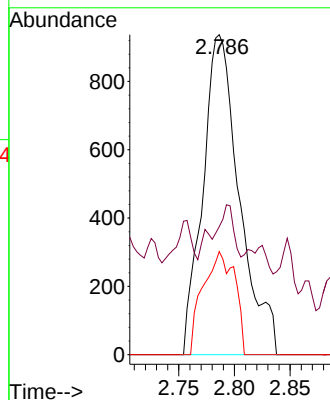
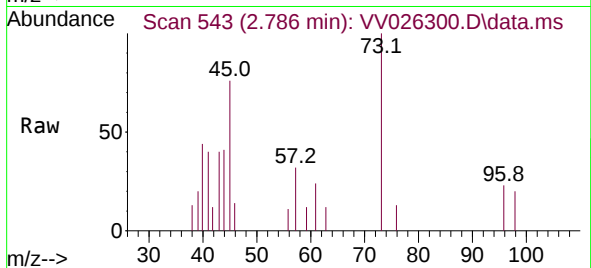




#17
Methyl tert-butyl Ether
Concen: 0.104 ug/L
RT: 2.786 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

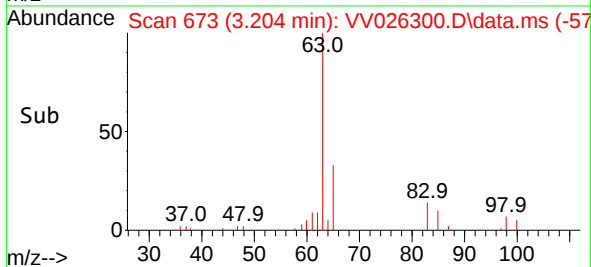
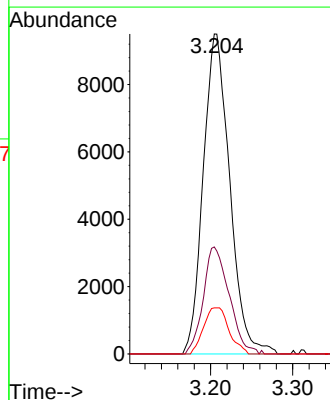
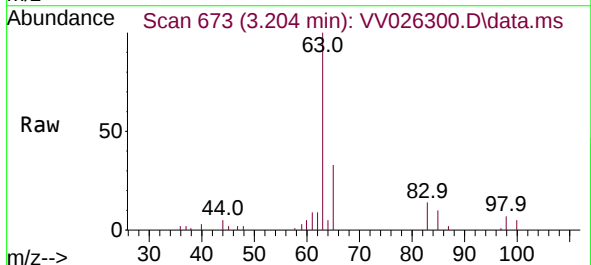
Instrument :
MSVOA_V
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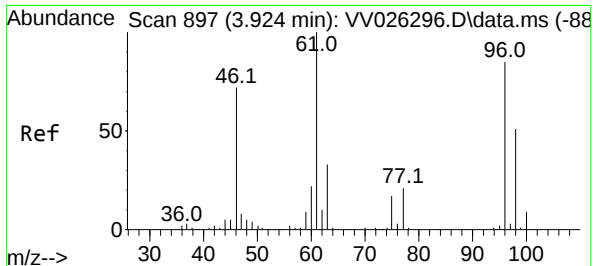
Tgt Ion: 73 Resp: 2140
Ion Ratio Lower Upper
73 100
43 5.6 13.0 19.6#
57 27.9 17.6 26.4#



#19
1,1-Dichloroethane
Concen: 0.966 ug/L
RT: 3.204 min Scan# 673
Delta R.T. 0.003 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion: 63 Resp: 21313
Ion Ratio Lower Upper
63 100
65 33.5 22.3 41.3
83 14.4 8.9 16.5





#22

cis-1,2-Dichloroethene

Concen: 1.203 ug/L

RT: 3.928 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV026300.D

Acq: 16 Jun 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

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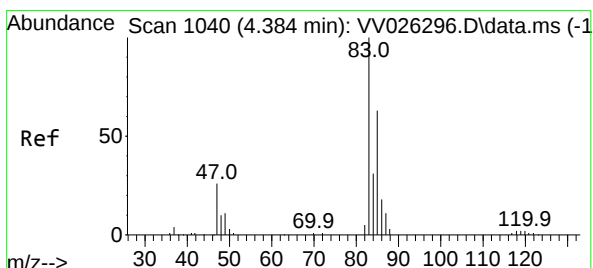
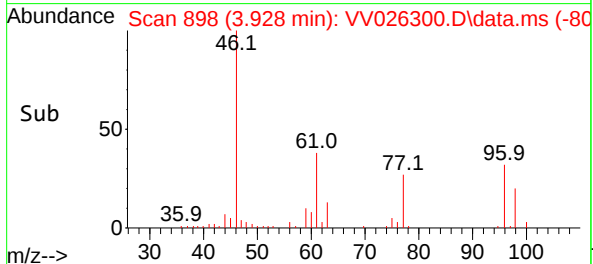
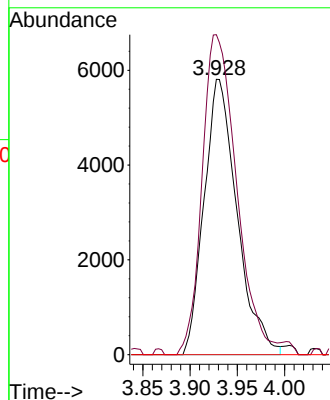
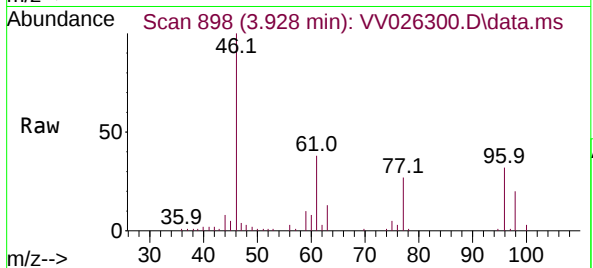
Tgt Ion: 96 Resp: 14087

Ion Ratio Lower Upper

96 100

61 116.2 83.6 155.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.127 ug/L

RT: 4.391 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VV026300.D

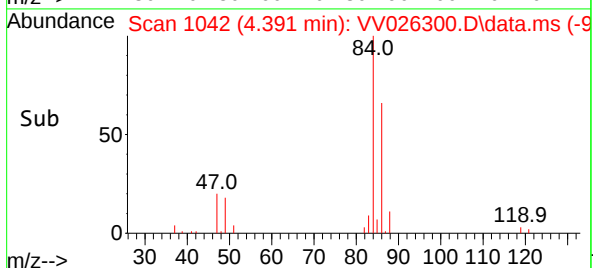
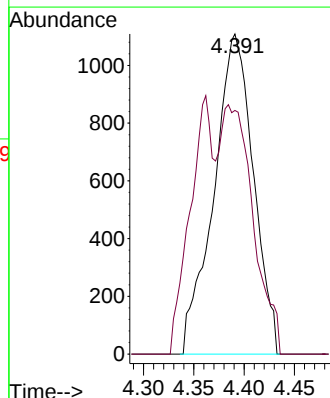
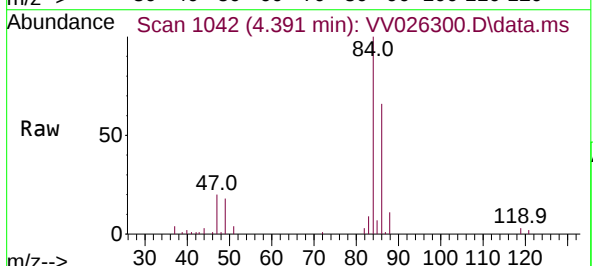
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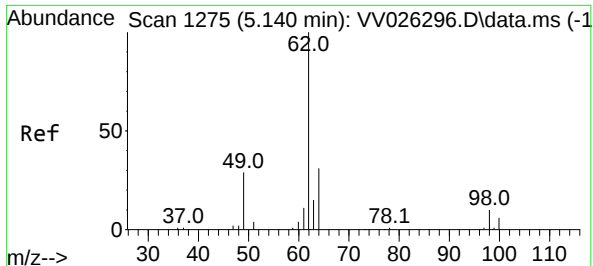
Tgt Ion: 83 Resp: 3035

Ion Ratio Lower Upper

83 100

85 76.1 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.135 ug/L

RT: 5.056 min Scan# 1116

Delta R.T. -0.084 min

Lab File: VV026300.D

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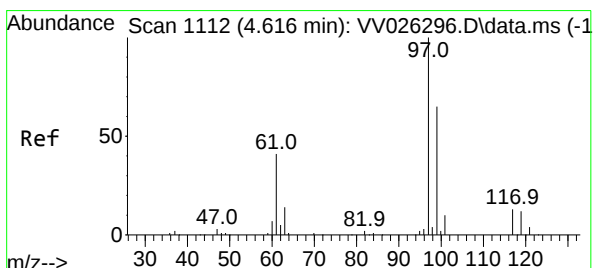
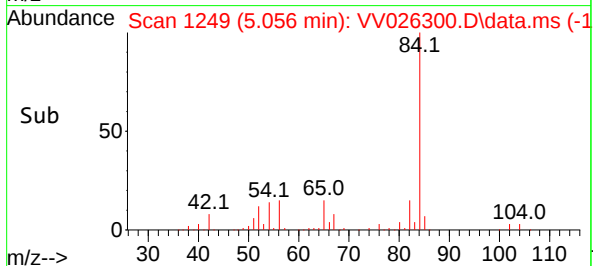
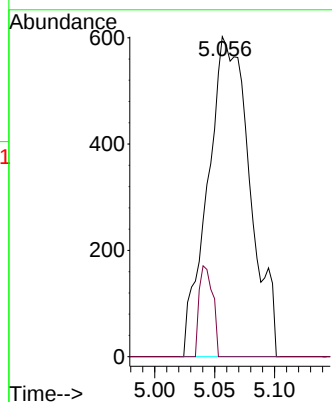
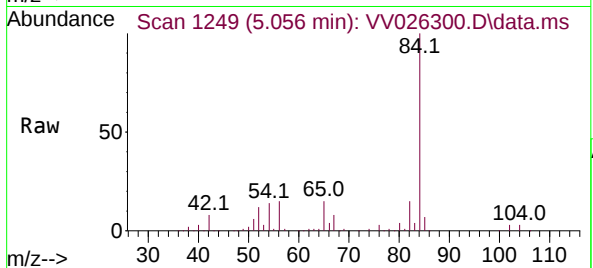
BGJ77

Tgt Ion: 62 Resp: 1474

Ion Ratio Lower Upper

62 100

98 0.0 8.6 13.0#



#29

1,1,1-Trichloroethane

Concen: 0.065 ug/L

RT: 4.629 min Scan# 1116

Delta R.T. 0.013 min

Lab File: VV026300.D

Acq: 16 Jun 2022 00:32

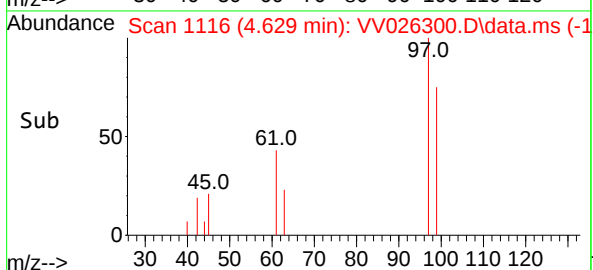
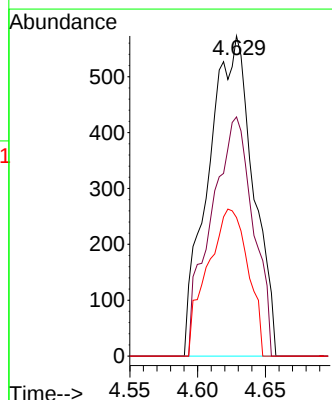
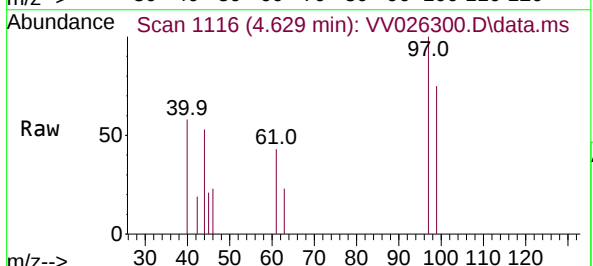
Tgt Ion: 97 Resp: 1322

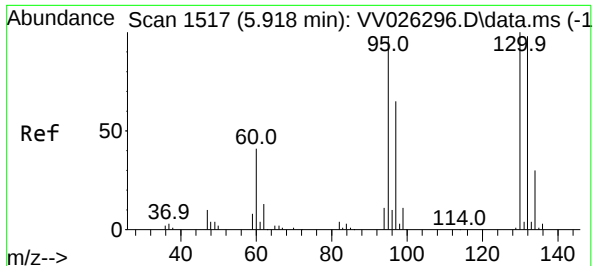
Ion Ratio Lower Upper

97 100

99 70.0 50.3 75.5

61 41.5 33.4 50.0

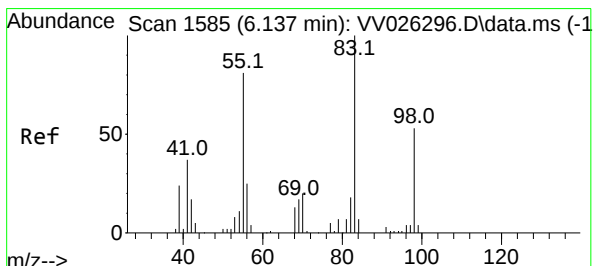
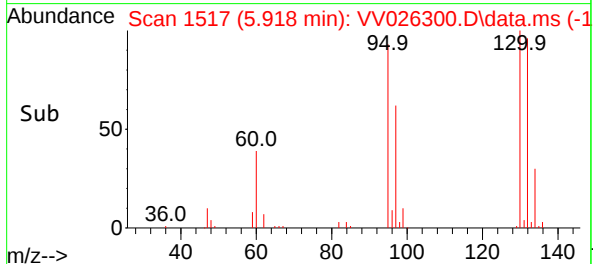
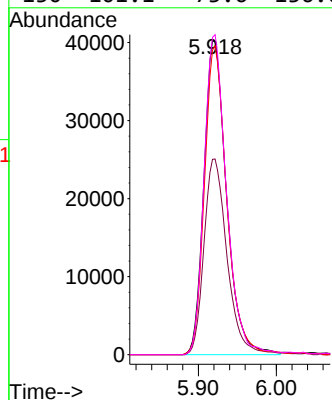
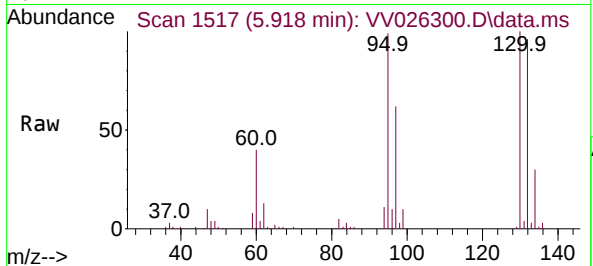




#34
Trichloroethene
Concen: 6.329 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

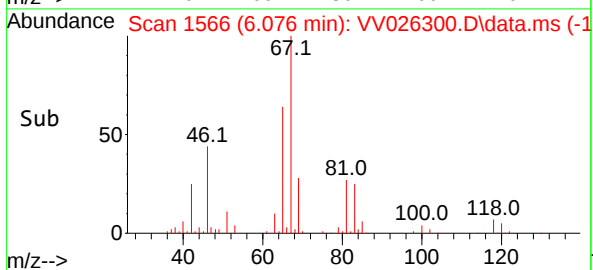
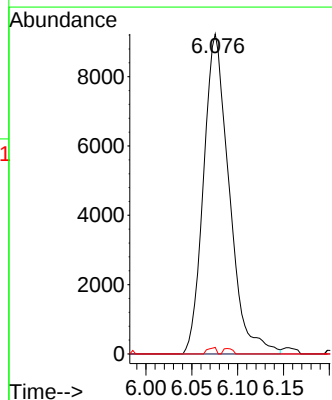
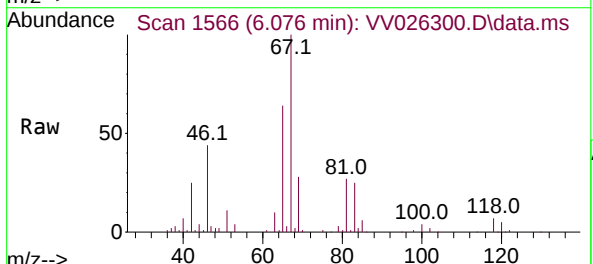
Instrument :
MSVOA_V
ClientSampleId :
BGJ77

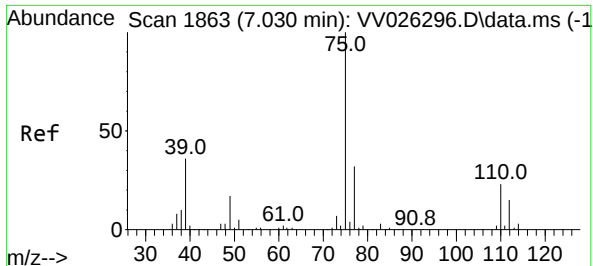
Tgt Ion: 95 Resp: 81450
Ion Ratio Lower Upper
95 100
97 62.3 46.5 86.3
132 97.1 68.8 127.8
130 101.1 73.6 136.6



#35
Methylcyclohexane
Concen: 1.008 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.061 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion: 83 Resp: 17953
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 0.7 39.9 59.9#





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV026300.D

Acq: 16 Jun 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

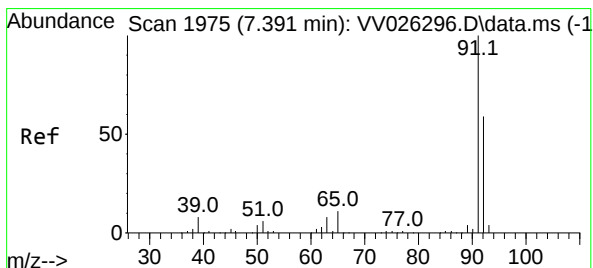
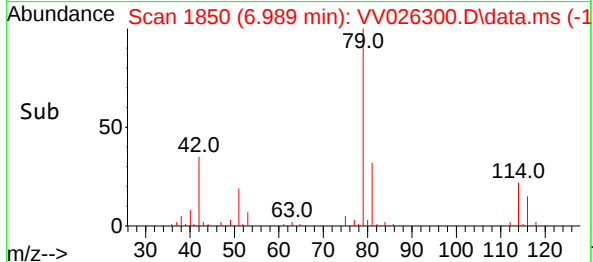
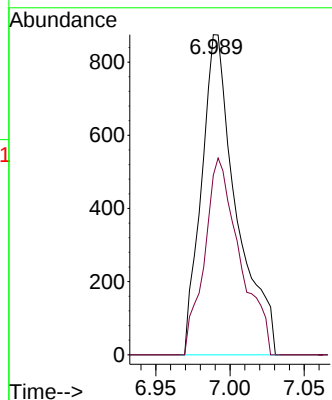
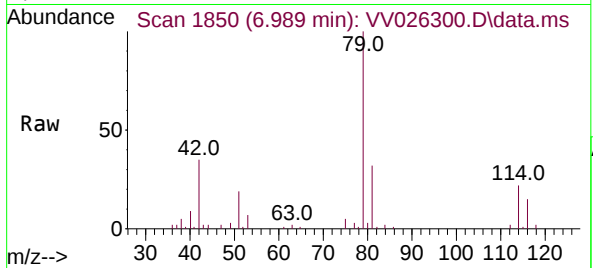
BGJ77

Tgt Ion: 75 Resp: 1428

Ion Ratio Lower Upper

75 100

77 56.1 23.0 42.6#



#42

Toluene

Concen: 0.201 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.010 min

Lab File: VV026300.D

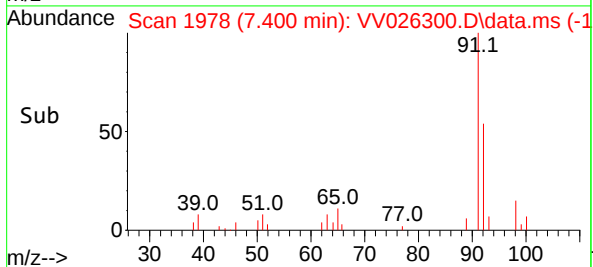
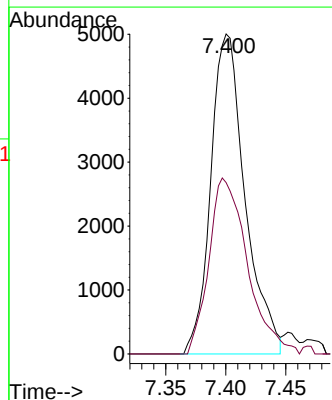
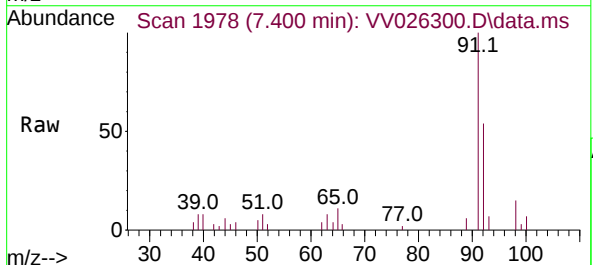
Acq: 16 Jun 2022 00:32

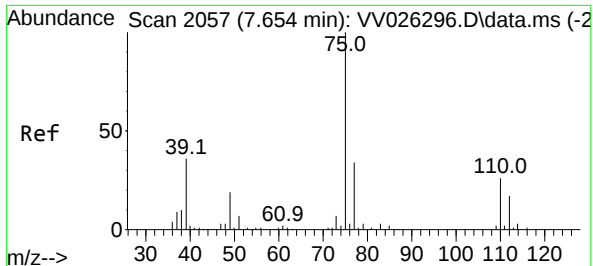
Tgt Ion: 91 Resp: 9969

Ion Ratio Lower Upper

91 100

92 53.5 40.1 74.5

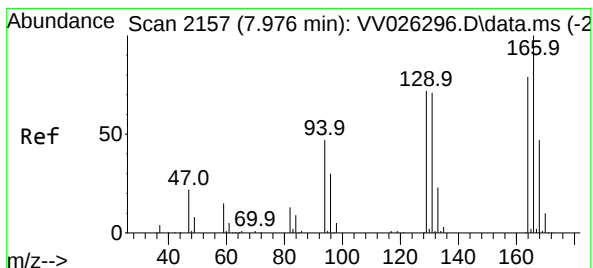
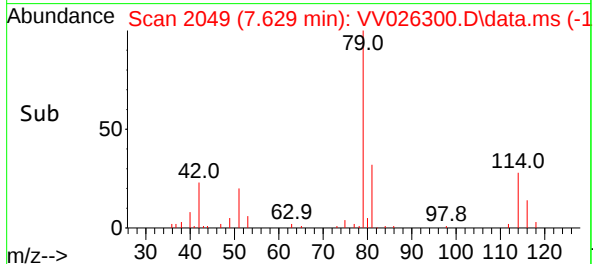
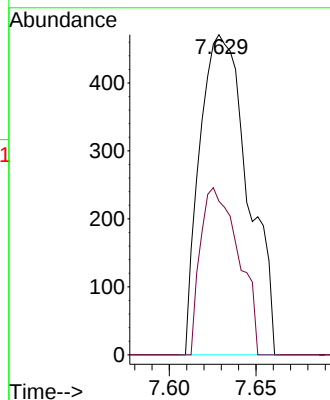
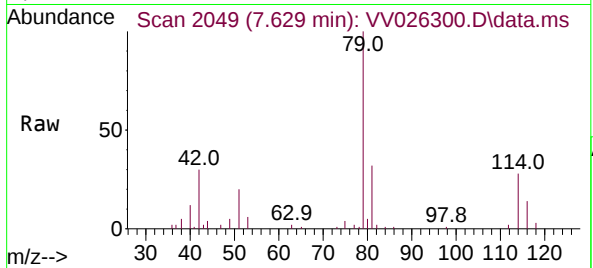




#44
trans-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 7.629 min Scan# 2057
Delta R.T. -0.026 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

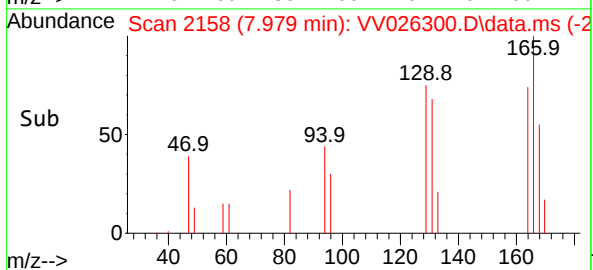
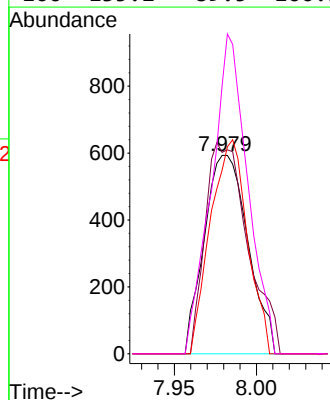
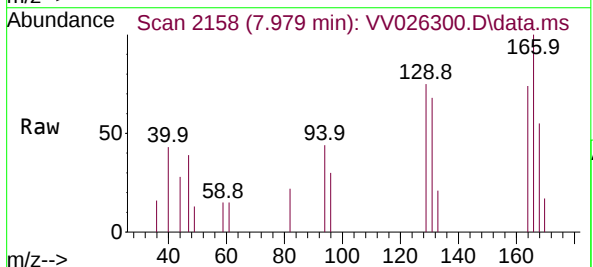
Instrument :
MSVOA_V
ClientSampleId :
BGJ77

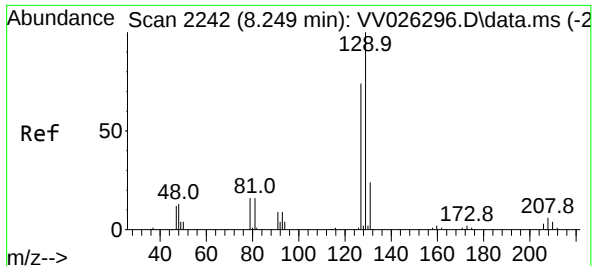
Tgt Ion: 75 Resp: 907
Ion Ratio Lower Upper
75 100
77 48.0 23.7 43.9#



#47
Tetrachloroethene
Concen: 0.115 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion: 164 Resp: 1099
Ion Ratio Lower Upper
164 100
129 101.5 67.5 125.3
131 92.6 63.8 118.4
166 135.2 89.5 166.3





#49

Dibromochloromethane

Concen: 0.127 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV026300.D

Acq: 16 Jun 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

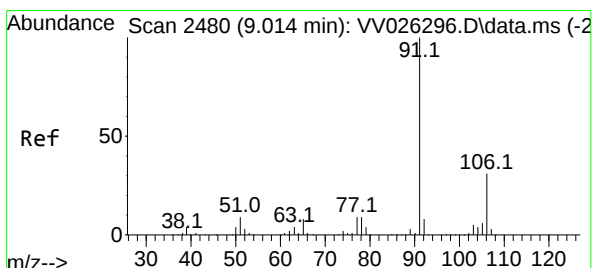
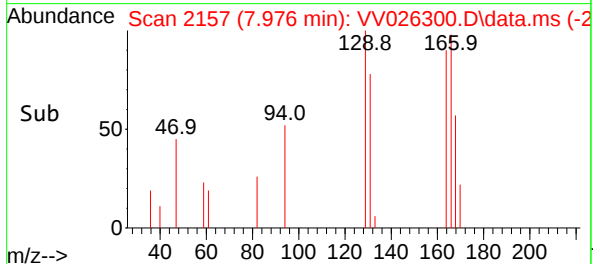
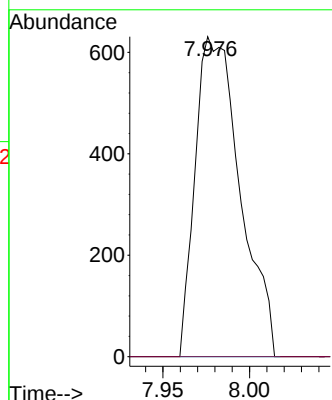
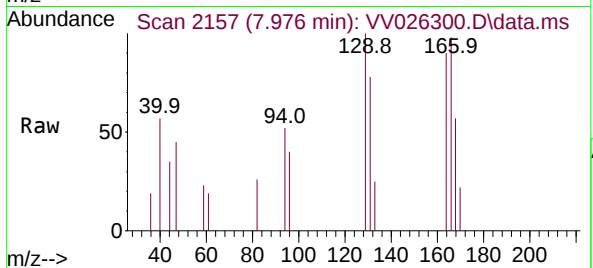
BGJ77

Tgt Ion:129 Resp: 1139

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#52

Ethylbenzene

Concen: 0.047 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.007 min

Lab File: VV026300.D

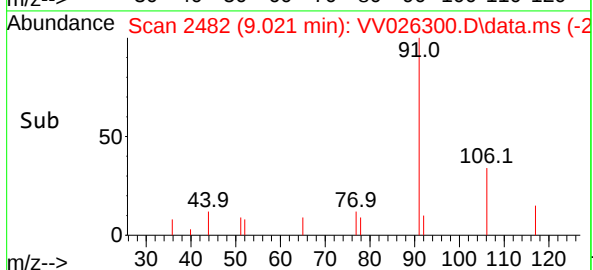
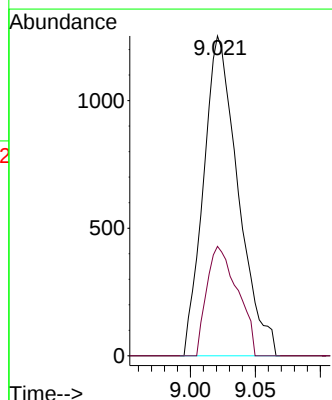
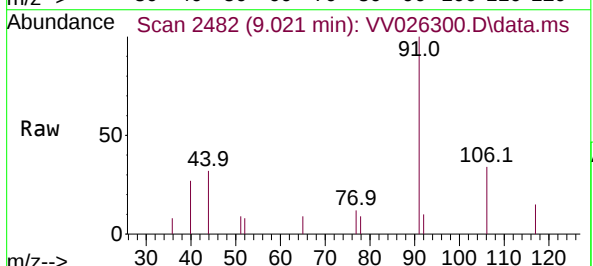
Acq: 16 Jun 2022 00:32

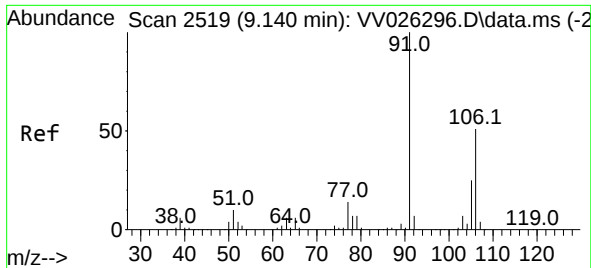
Tgt Ion: 91 Resp: 2322

Ion Ratio Lower Upper

91 100

106 34.2 21.6 40.0

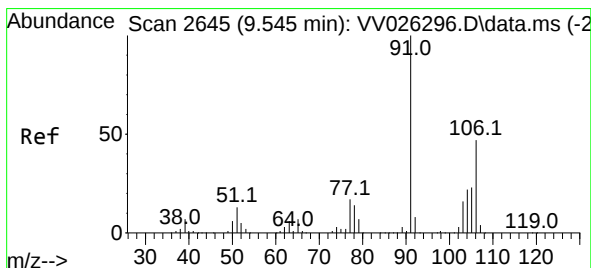
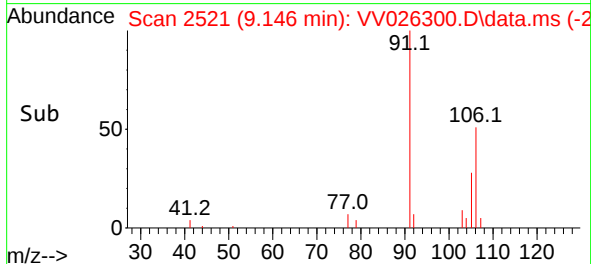
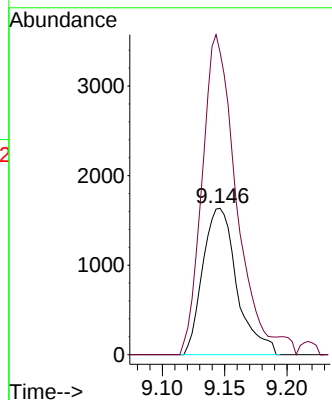
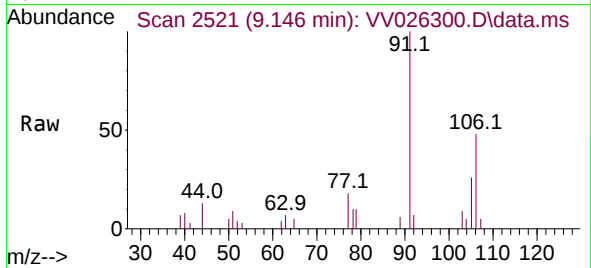




#53
m,p-Xylene
Concen: 0.161 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

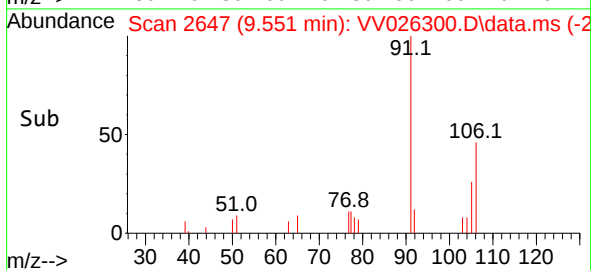
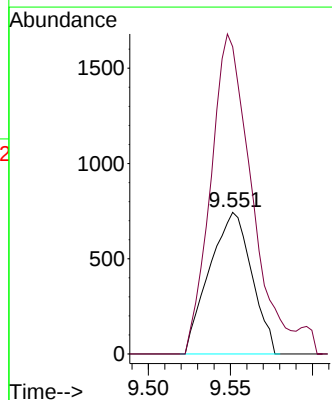
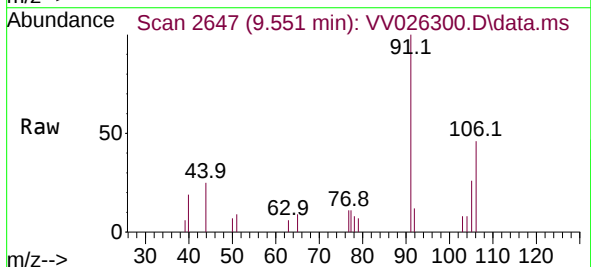
Instrument :
MSVOA_V
ClientSampleId :
BGJ77

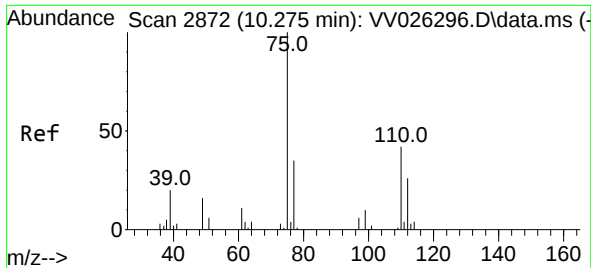
Tgt Ion:106 Resp: 3128
Ion Ratio Lower Upper
106 100
91 206.7 141.3 262.3



#54
o-Xylene
Concen: 0.071 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.007 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion:106 Resp: 1332
Ion Ratio Lower Upper
106 100
91 216.8 143.3 266.1

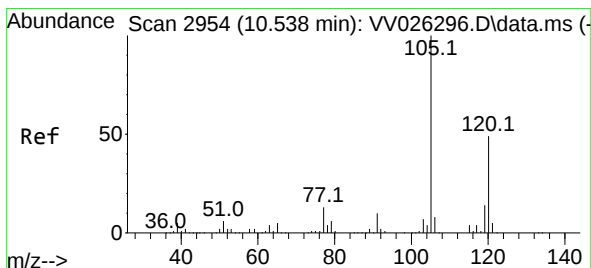
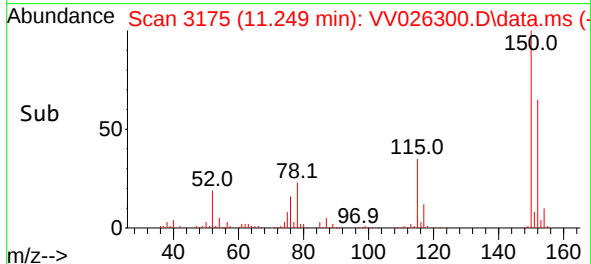
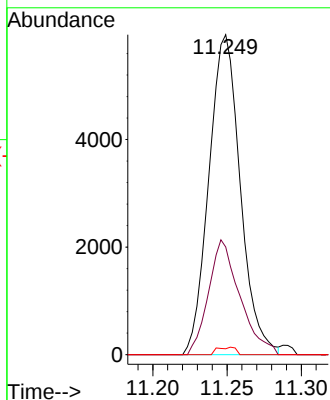
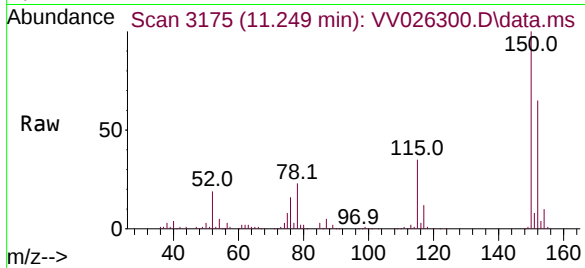




#61
1,2,3-Trichloropropane
Concen: 1.746 ug/L
RT: 11.249 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

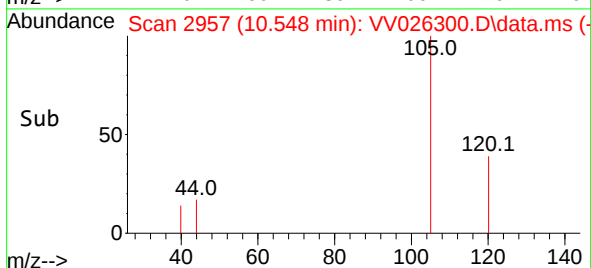
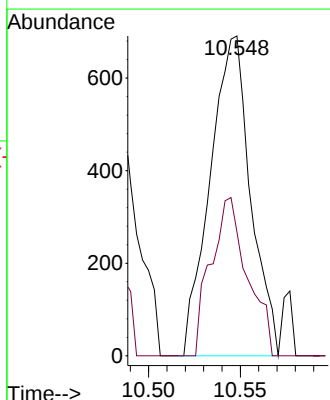
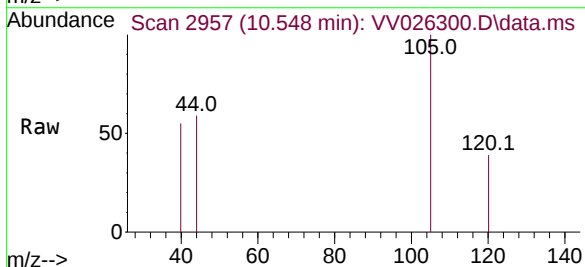
Instrument :
MSVOA_V
ClientSampleId :
BGJ77

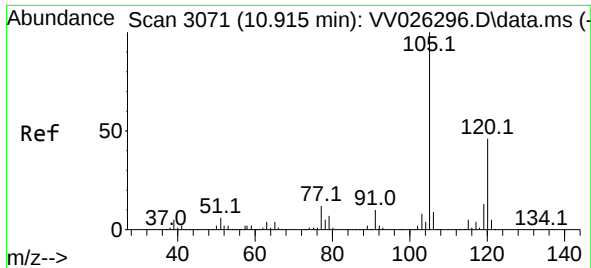
Tgt Ion: 75 Resp: 8752
Ion Ratio Lower Upper
75 100
77 35.8 26.9 40.3
110 1.4 30.7 46.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.032 ug/L
RT: 10.548 min Scan# 2957
Delta R.T. 0.010 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion: 105 Resp: 1060
Ion Ratio Lower Upper
105 100
120 44.7 39.9 59.9

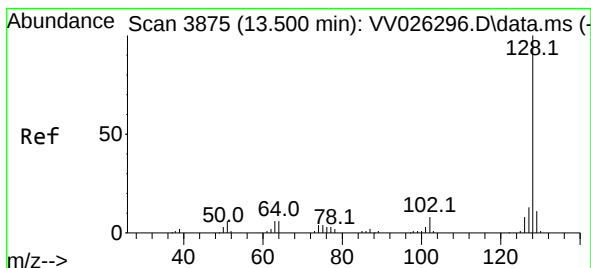
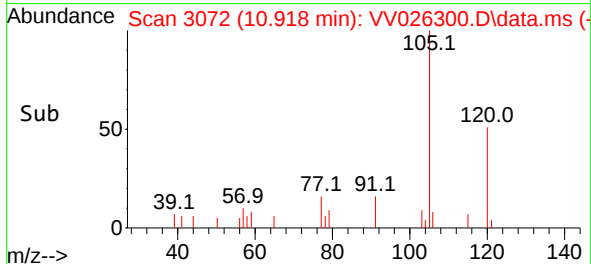
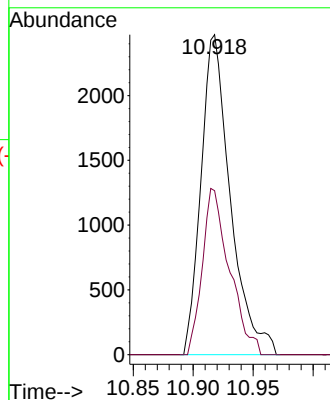
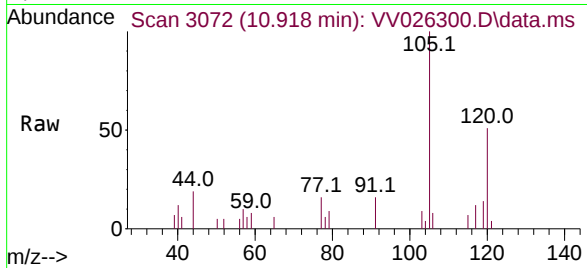




#63
1,2,4-Trimethylbenzene
Concen: 0.130 ug/L
RT: 10.918 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Instrument :
MSVOA_V
ClientSampleId :
BGJ77

Tgt Ion:105 Resp: 4210
Ion Ratio Lower Upper
105 100
120 48.0 36.9 55.3



#71
Naphthalene
Concen: 0.129 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.016 min
Lab File: VV026300.D
Acq: 16 Jun 2022 00:32

Tgt Ion:128 Resp: 1933
Ion Ratio Lower Upper
128 100
129 5.8 8.7 13.1#
127 6.1 10.6 16.0#

