

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026349.D
 Acq On : 16 Jun 2022 22:05
 Operator : SY/MD
 Sample : N3318-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ61

Quant Time: Jun 17 07:19:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 06:57:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	182990	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	179154	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	59716	3.757	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.581	69	54518	4.362	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.127	63	234732	8.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	172.000%#
20) 2-Butanone-d5	3.921	46	90458	58.327	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.660%
24) Chloroform-d	4.362	84	119153	5.115	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.043	65	50455	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.059	84	221037	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.076	67	69898	5.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.320	98	175799	4.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.629	79	15436	3.405	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.200%
46) 2-Hexanone-d5	8.092	63	67579	49.354	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.700%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	46202	5.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	60089	5.305	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.327	62	2163	0.137	ug/L #	1
8) Chloroethane	1.474	64	1036827	105.736	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.130	101	1290	0.102	ug/L #	22
12) 1,1-Dichloroethene	2.134	96	280813	24.290	ug/L #	72
13) Acetone	2.214	43	18396	15.306	ug/L	89
14) Carbon disulfide	2.310	76	10091	0.354	ug/L	98
15) Methyl Acetate	2.462	43	6554	2.273	ug/L	97
16) Methylene chloride	2.523	84	3160	0.214	ug/L	100
17) Methyl tert-butyl Ether	2.786	73	3316	0.167	ug/L #	84
18) trans-1,2-Dichloroethene	2.780	96	1544	0.138	ug/L	89
19) 1,1-Dichloroethane	3.201	63	854518	39.963	ug/L	98
21) 2-Butanone	4.037	43	4652	2.991	ug/L	78
22) cis-1,2-Dichloroethene	3.928	96	12511	1.103	ug/L	99
27) 1,2-Dichloroethane	5.153	62	9589	0.908	ug/L #	90
30) Cyclohexane	4.680	56	733	0.050	ug/L #	14
33) Benzene	5.114	78	32141	0.700	ug/L	100
34) Trichloroethene	5.924	95	11442	0.912	ug/L	96
35) Methylcyclohexane	6.076	83	16749	0.966	ug/L #	19
37) 1,2-Dichloropropane	6.188	63	4979	0.414	ug/L #	94

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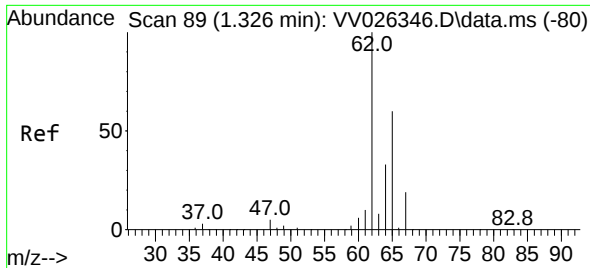
Instrument :
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Quant Time: Jun 17 07:19:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) cis-1,3-Dichloropropene	6.992	75	1171	0.085	ug/L #	30
47) Tetrachloroethene	7.989	164	532	0.057	ug/L	90
49) Dibromochloromethane	7.985	129	419	0.048	ug/L #	9
52) Ethylbenzene	9.018	91	7495	0.155	ug/L	91
53) m,p-Xylene	9.143	106	2839	0.150	ug/L	94
54) o-Xylene	9.548	106	1669	0.091	ug/L	87
61) 1,2,3-Trichloropropane	11.249	75	8642	1.811	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.921	105	1109	0.036	ug/L	97

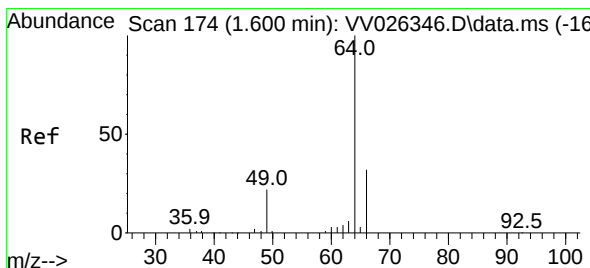
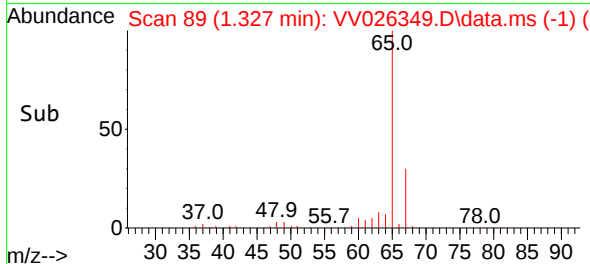
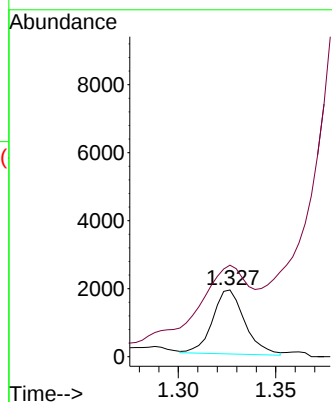
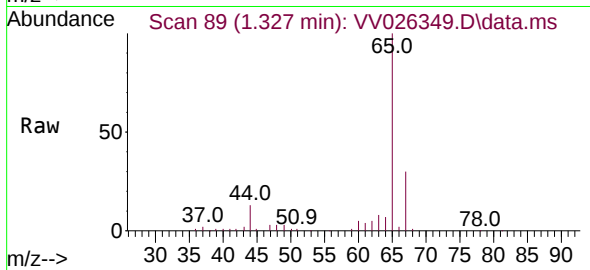
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.137 ug/L
 RT: 1.327 min Scan# 89
 Delta R.T. 0.000 min
 Lab File: VV026349.D
 Acq: 16 Jun 2022 22:05

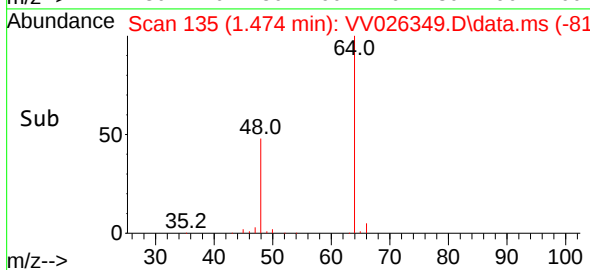
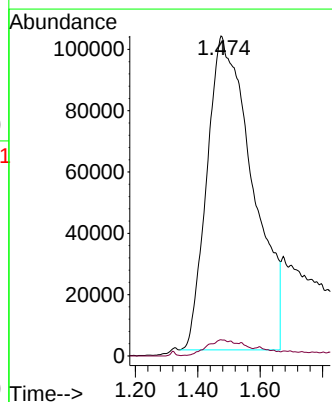
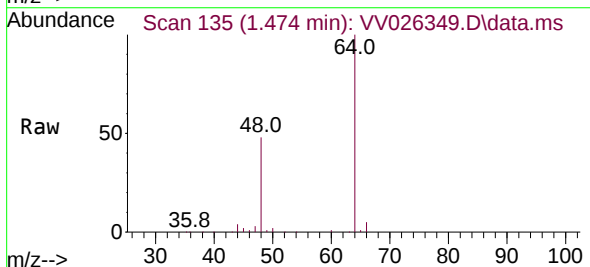
Instrument :
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 ClientSampleId :
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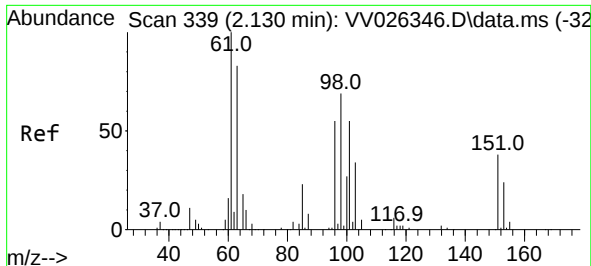
Tgt Ion: 62 Resp: 2163
 Ion Ratio Lower Upper
 62 100
 64 137.2 23.2 43.2#



#8
 Chloroethane
 Concen: 105.736 ug/L
 RT: 1.474 min Scan# 135
 Delta R.T. -0.125 min
 Lab File: VV026349.D
 Acq: 16 Jun 2022 22:05

Tgt Ion: 64 Resp: 1036827
 Ion Ratio Lower Upper
 64 100
 66 5.1 24.1 44.7#

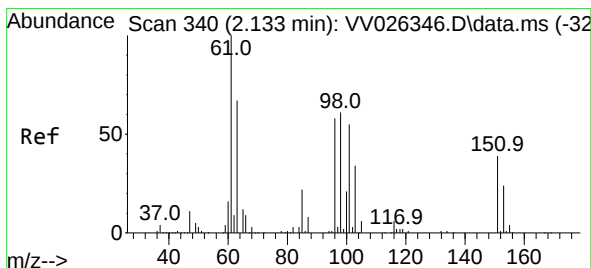
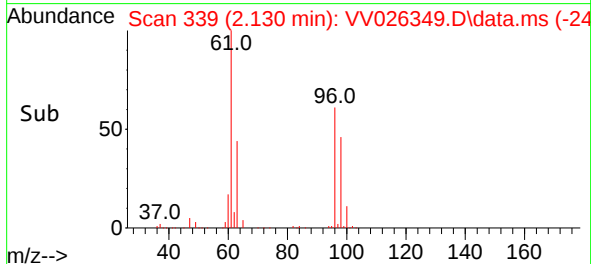
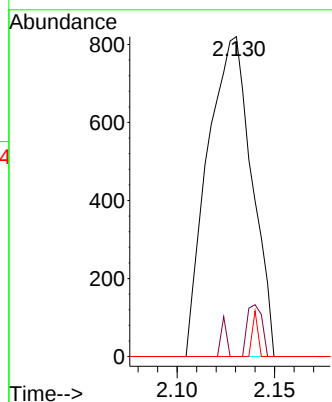
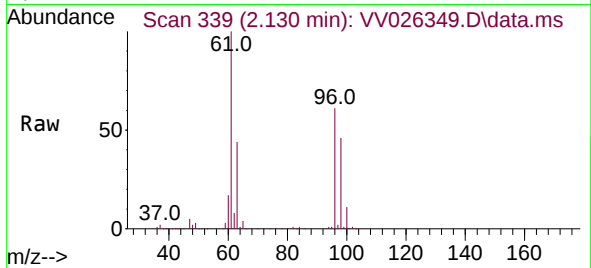




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.102 ug/L
RT: 2.130 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

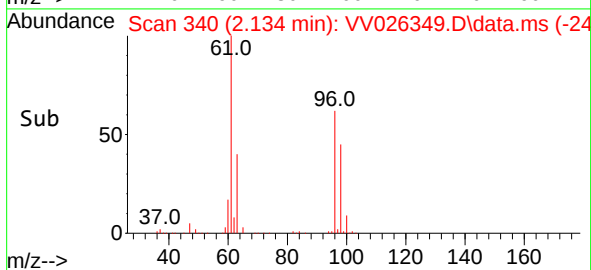
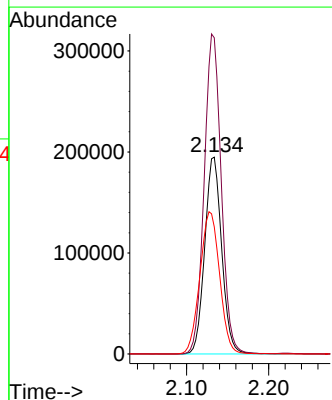
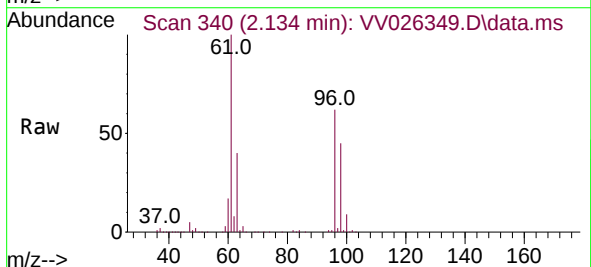
Instrument :
MSVOA_V
ClientSampleId :
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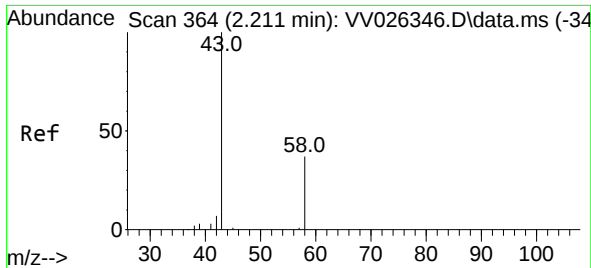
Tgt Ion:101 Resp: 1290
Ion Ratio Lower Upper
101 100
85 1.6 35.3 52.9#
151 0.0 56.8 85.2#



#12
1,1-Dichloroethene
Concen: 24.290 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.000 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

Tgt Ion: 96 Resp: 280813
Ion Ratio Lower Upper
96 100
61 160.6 117.1 217.5
63 64.5 92.8 172.4#





#13

Acetone

Concen: 15.306 ug/L

RT: 2.214 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

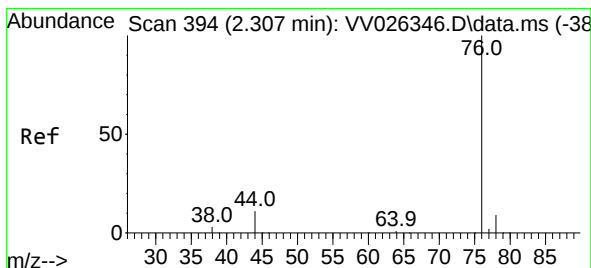
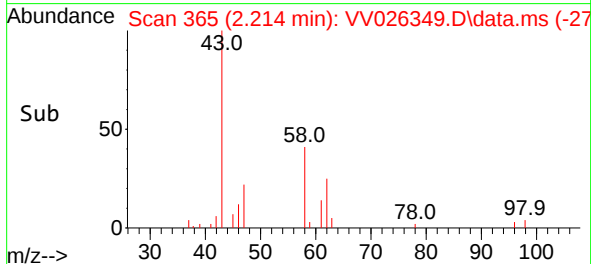
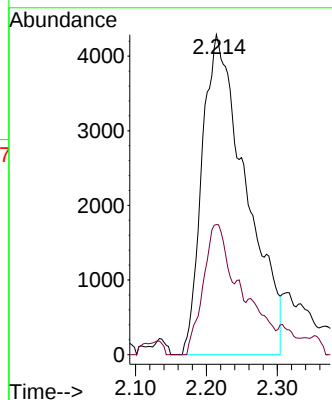
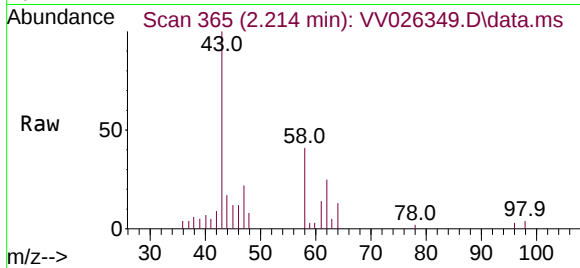
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Tgt Ion: 43 Resp: 18396

Ion Ratio Lower Upper

43 100

58 23.9 0.0 60.0



#14

Carbon disulfide

Concen: 0.354 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.003 min

Lab File: VV026349.D

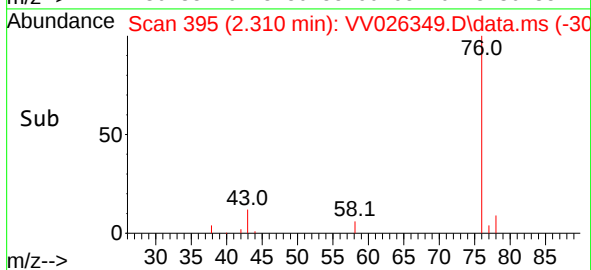
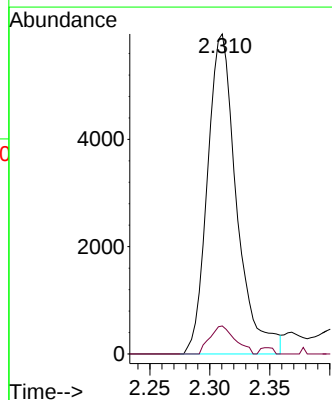
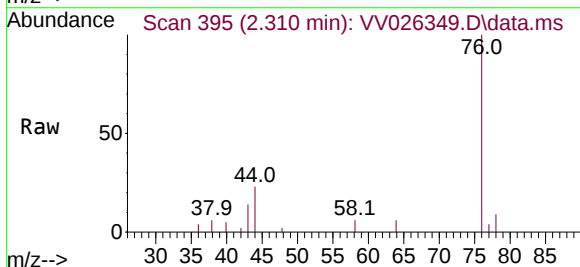
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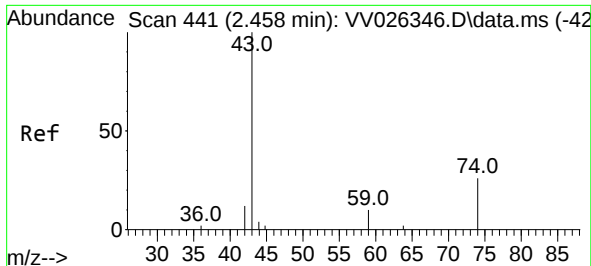
Tgt Ion: 76 Resp: 10091

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

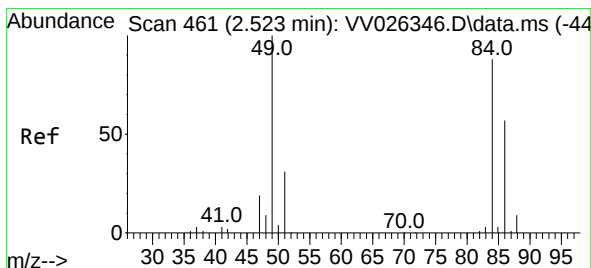
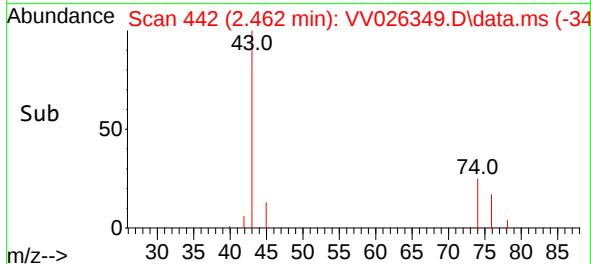
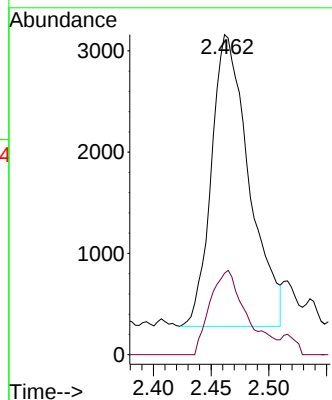
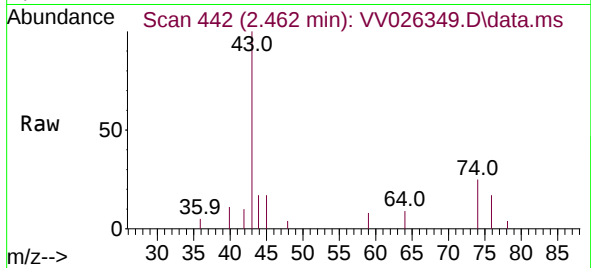




#15
Methyl Acetate
Concen: 2.273 ug/L
RT: 2.462 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

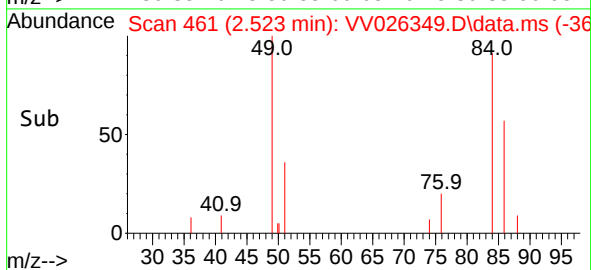
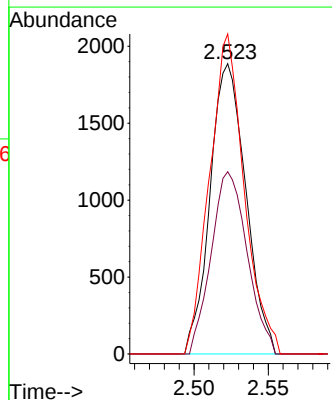
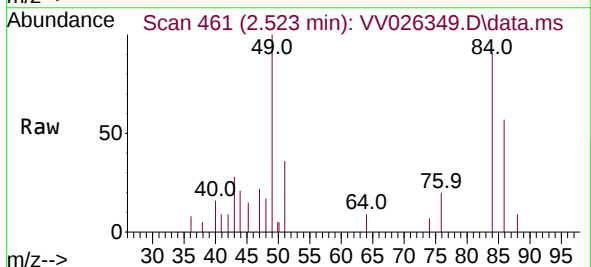
Instrument :
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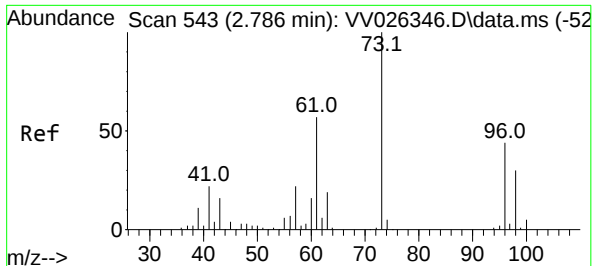
Tgt Ion: 43 Resp: 6554
Ion Ratio Lower Upper
43 100
74 28.0 21.4 32.0



#16
Methylene chloride
Concen: 0.214 ug/L
RT: 2.523 min Scan# 461
Delta R.T. 0.000 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

Tgt Ion: 84 Resp: 3160
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.8
49 110.2 77.3 143.7





#17

Methyl tert-butyl Ether

Concen: 0.167 ug/L

RT: 2.786 min Scan# 541

Delta R.T. 0.000 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

BGJ61

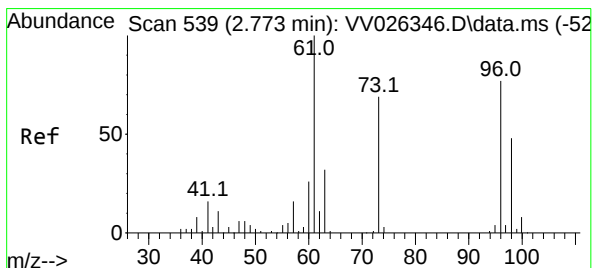
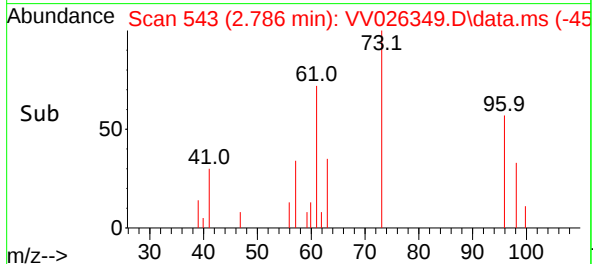
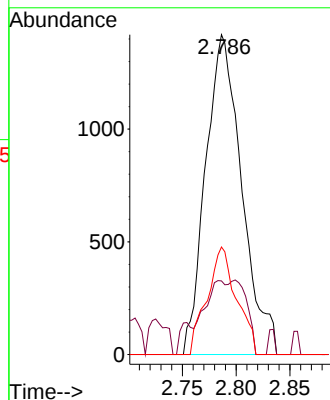
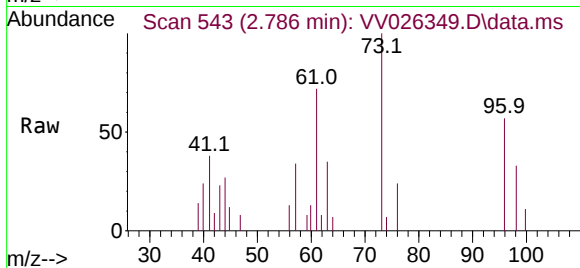
Tgt Ion: 73 Resp: 3316

Ion Ratio Lower Upper

73 100

43 7.4 13.0 19.6#

57 27.6 17.6 26.4#



#18

trans-1,2-Dichloroethene

Concen: 0.138 ug/L

RT: 2.780 min Scan# 541

Delta R.T. 0.006 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

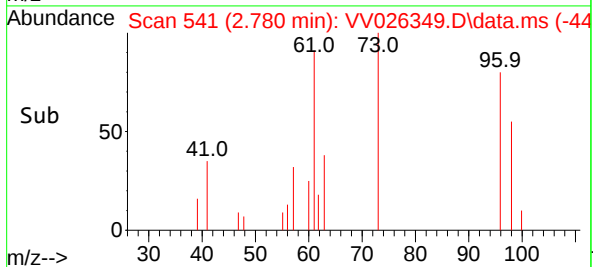
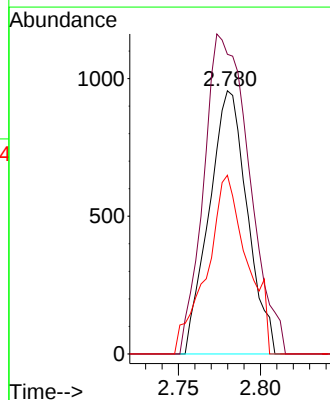
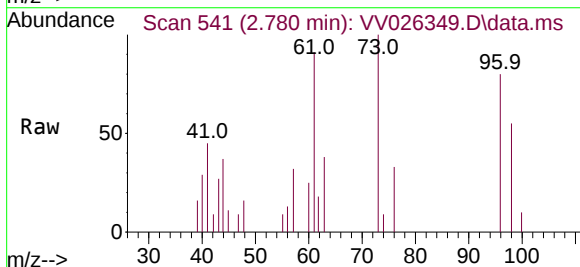
Tgt Ion: 96 Resp: 1544

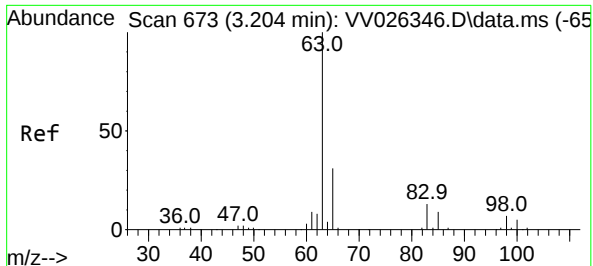
Ion Ratio Lower Upper

96 100

61 113.8 91.3 169.6

98 67.9 45.3 84.1





#19

1,1-Dichloroethane

Concen: 39.963 ug/L

RT: 3.201 min Scan# 61

Delta R.T. -0.003 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

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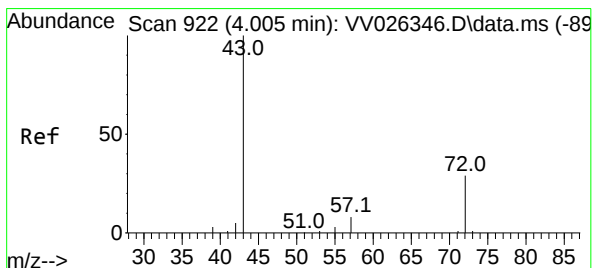
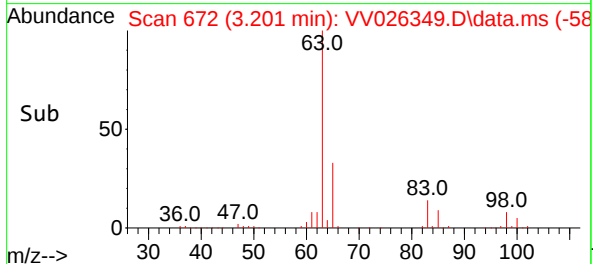
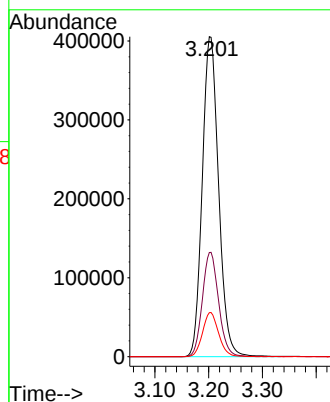
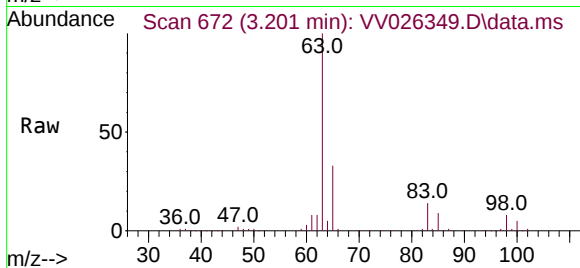
Tgt Ion: 63 Resp: 854518

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.3

83 13.7 8.9 16.5



#21

2-Butanone

Concen: 2.991 ug/L

RT: 4.037 min Scan# 932

Delta R.T. 0.032 min

Lab File: VV026349.D

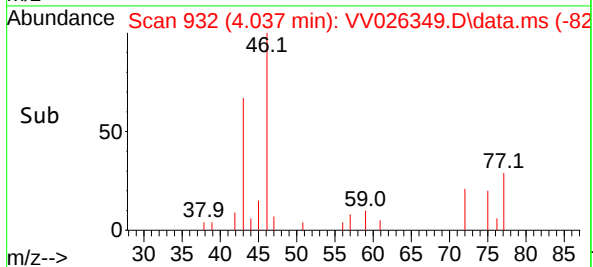
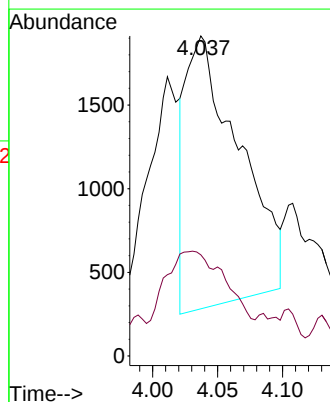
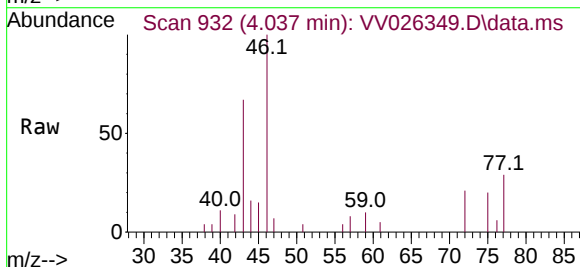
Acq: 16 Jun 2022 22:05

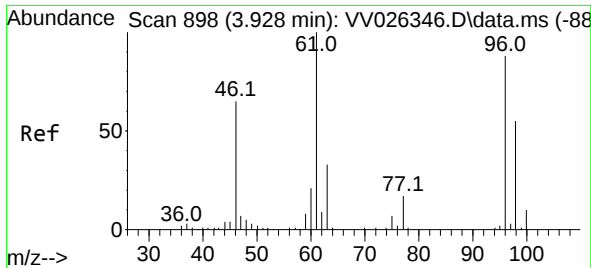
Tgt Ion: 43 Resp: 4652

Ion Ratio Lower Upper

43 100

72 36.2 12.7 38.0

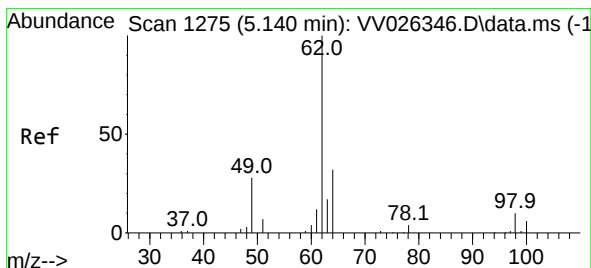
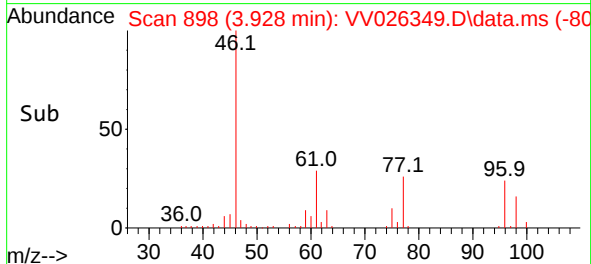
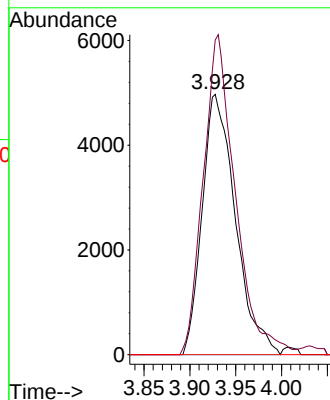
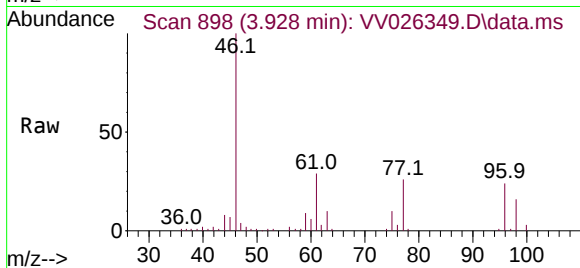




#22
 cis-1,2-Dichloroethene
 Concen: 1.103 ug/L
 RT: 3.928 min Scan# 898
 Delta R.T. 0.000 min
 Lab File: VV026349.D
 Acq: 16 Jun 2022 22:05

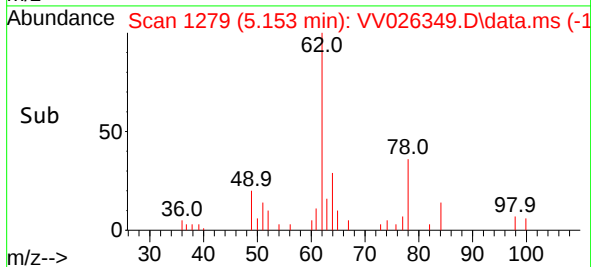
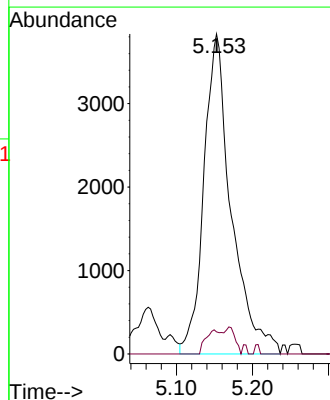
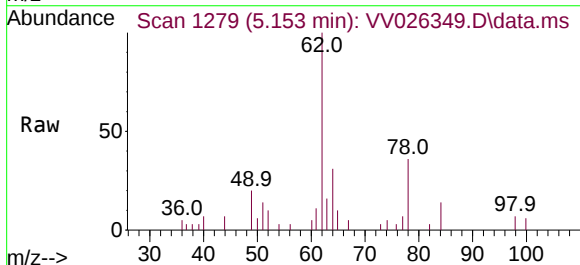
Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ61

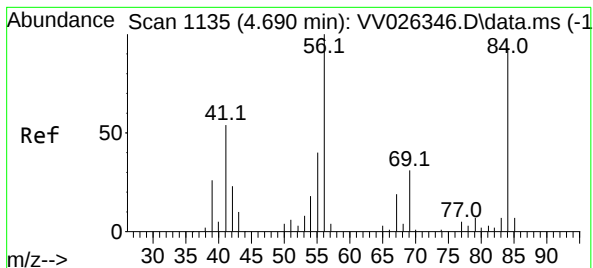
Tgt Ion: 96 Resp: 12511
 Ion Ratio Lower Upper
 96 100
 61 120.9 83.6 155.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.908 ug/L
 RT: 5.153 min Scan# 1279
 Delta R.T. 0.013 min
 Lab File: VV026349.D
 Acq: 16 Jun 2022 22:05

Tgt Ion: 62 Resp: 9589
 Ion Ratio Lower Upper
 62 100
 98 6.9 8.6 13.0#





#30

Cyclohexane

Concen: 0.050 ug/L

RT: 4.680 min Scan# 1135

Delta R.T. -0.010 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

BGJ61

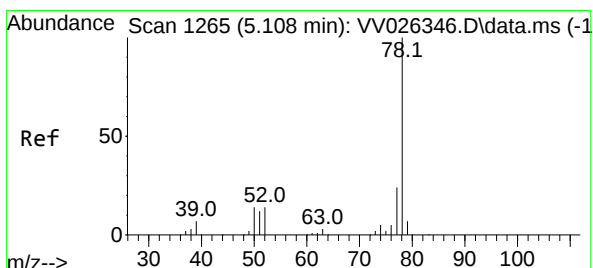
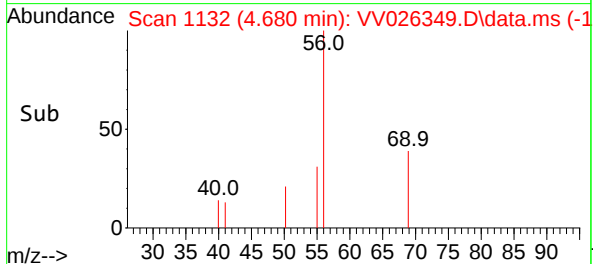
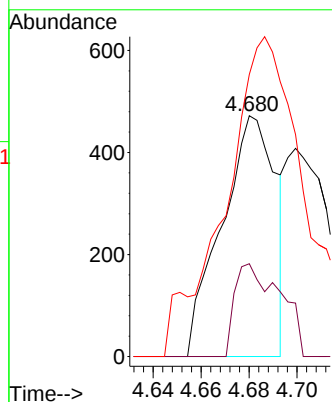
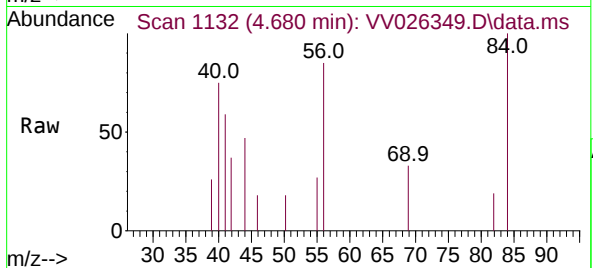
Tgt Ion: 56 Resp: 733

Ion Ratio Lower Upper

56 100

69 32.7 24.9 37.3

84 205.5 76.4 114.6#



#33

Benzene

Concen: 0.700 ug/L

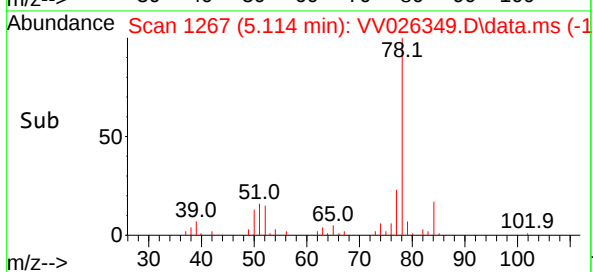
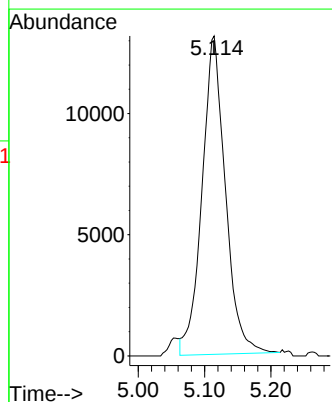
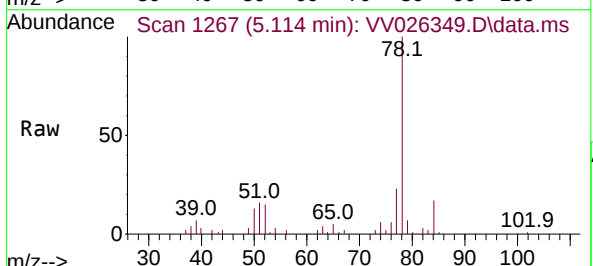
RT: 5.114 min Scan# 1267

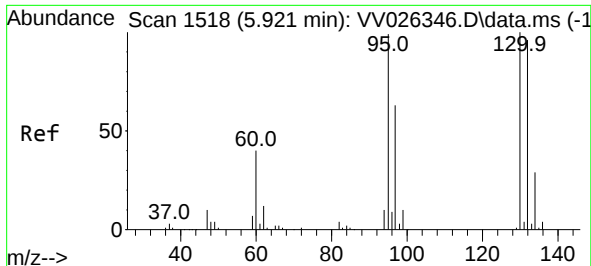
Delta R.T. 0.007 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Tgt Ion: 78 Resp: 32141



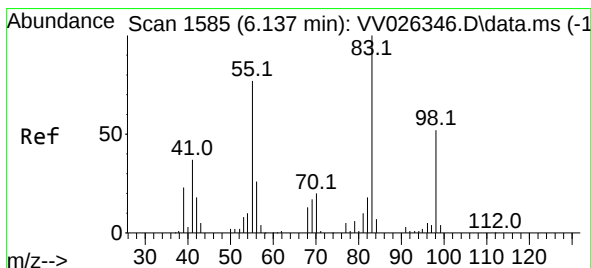
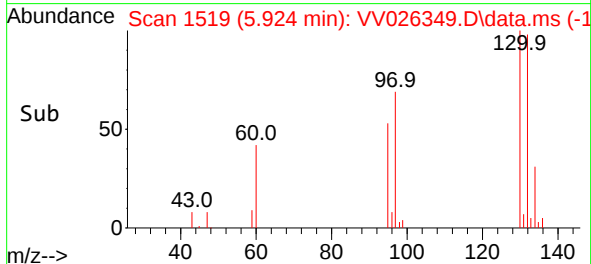
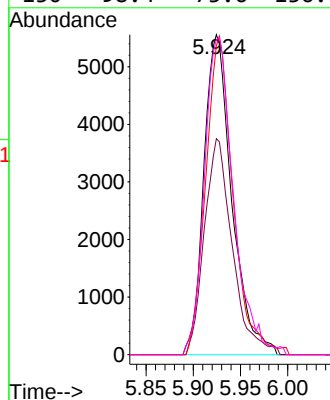
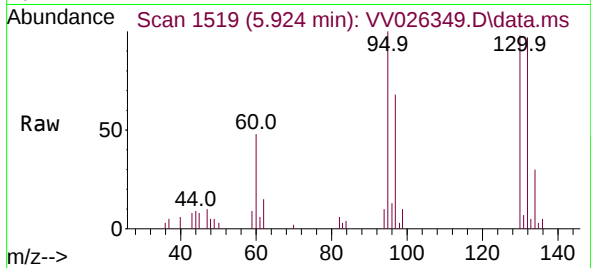


#34
Trichloroethene
Concen: 0.912 ug/L
RT: 5.924 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

Instrument :
MSVOA_V
ClientSampleId :
BGJ61

Tgt Ion: 95 Resp: 11442

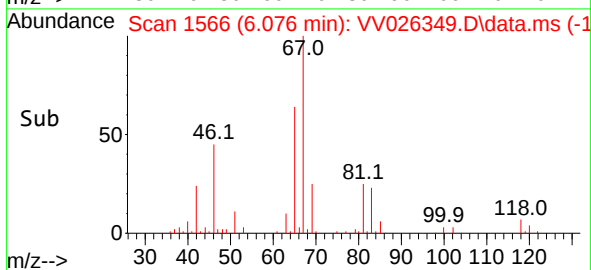
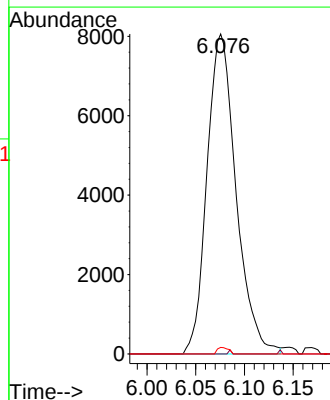
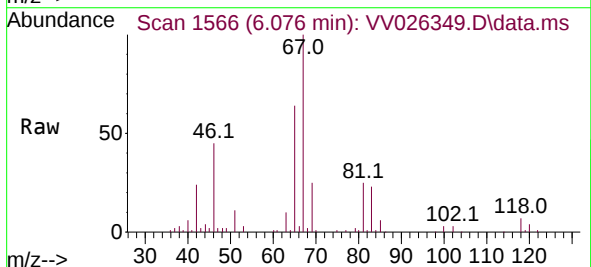
Ion	Ratio	Lower	Upper
95	100		
97	67.5	46.5	86.3
132	96.6	68.8	127.8
130	98.4	73.6	136.6

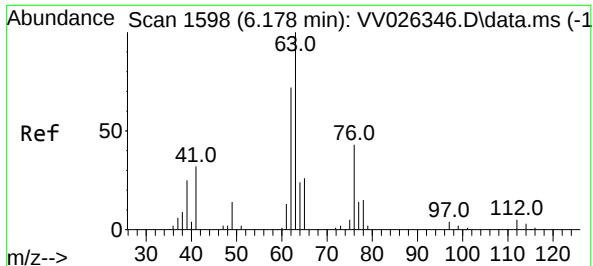


#35
Methylcyclohexane
Concen: 0.966 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.061 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

Tgt Ion: 83 Resp: 16749

Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.3	88.9#
98	0.8	39.9	59.9#





#37

1,2-Dichloropropane

Concen: 0.414 ug/L

RT: 6.188 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

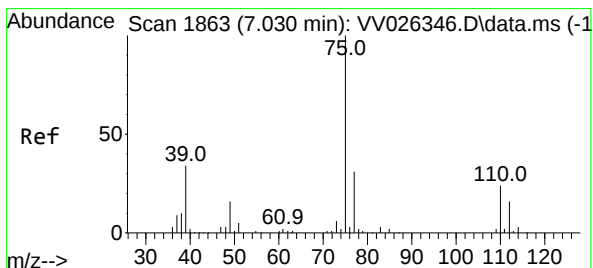
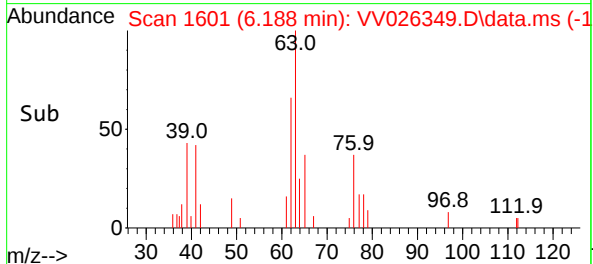
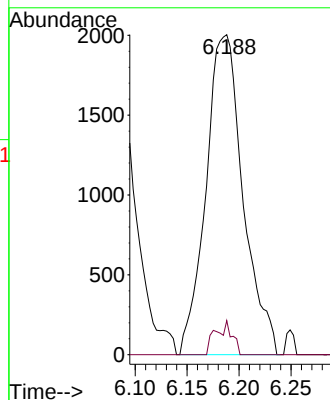
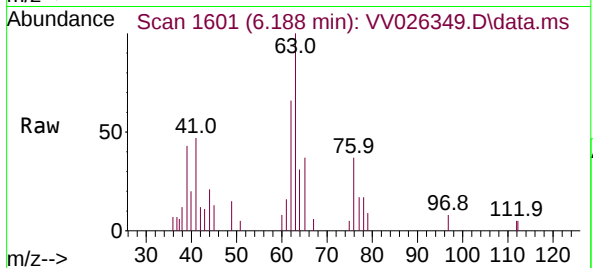
BGJ61

Tgt Ion: 63 Resp: 4979

Ion Ratio Lower Upper

63 100

112 2.1 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV026349.D

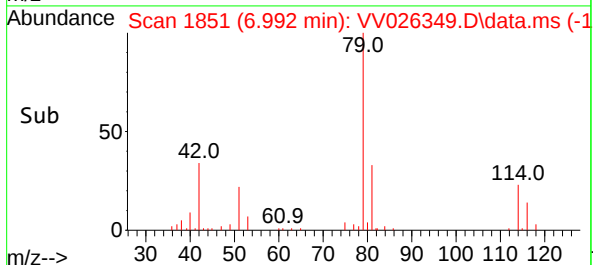
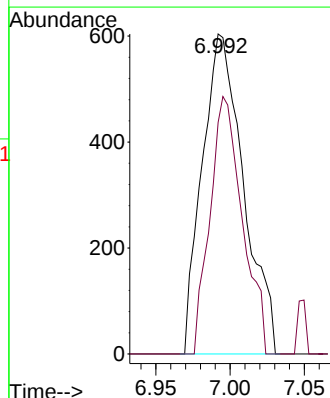
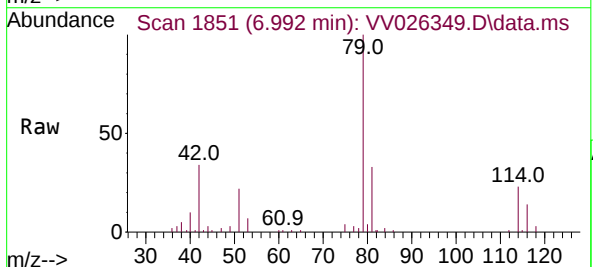
Acq: 16 Jun 2022 22:05

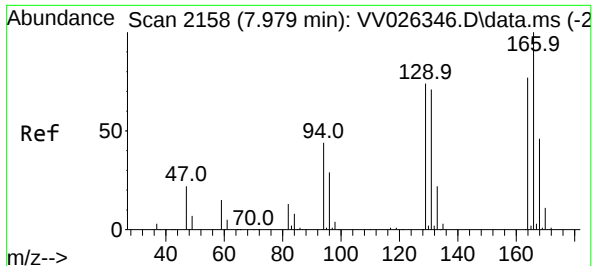
Tgt Ion: 75 Resp: 1171

Ion Ratio Lower Upper

75 100

77 72.4 23.0 42.6#





#47

Tetrachloroethene

Concen: 0.057 ug/L

RT: 7.989 min Scan# 2158

Delta R.T. 0.010 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

BGJ61

Tgt Ion:164 Resp: 532

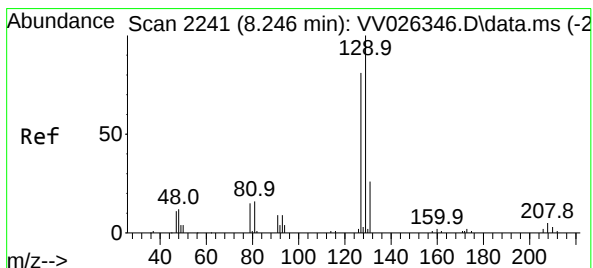
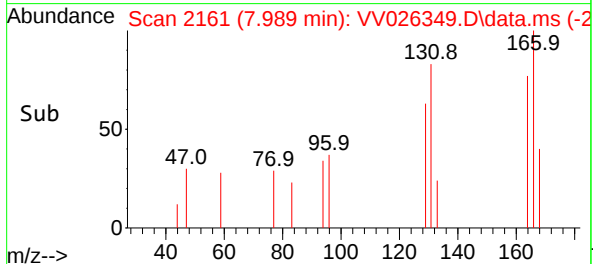
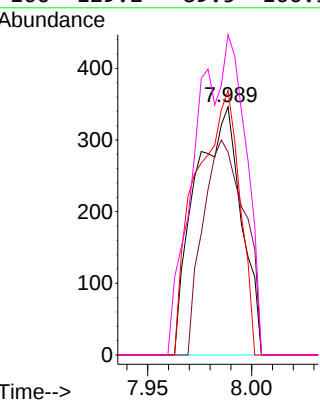
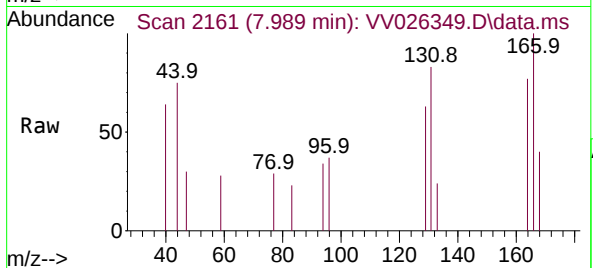
Ion Ratio Lower Upper

164 100

129 81.8 67.5 125.3

131 106.6 63.8 118.4

166 129.2 89.5 166.3



#49

Dibromochloromethane

Concen: 0.048 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.260 min

Lab File: VV026349.D

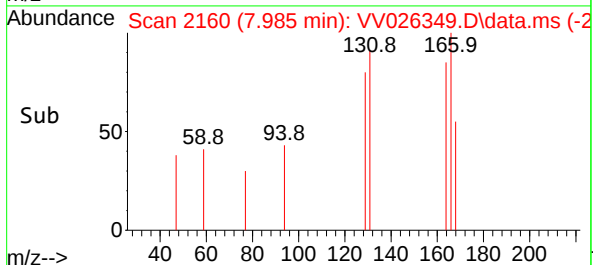
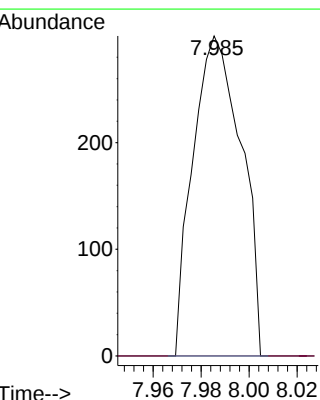
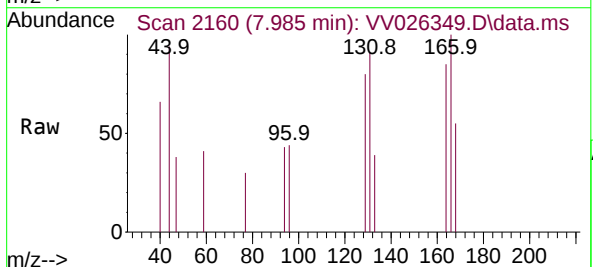
Acq: 16 Jun 2022 22:05

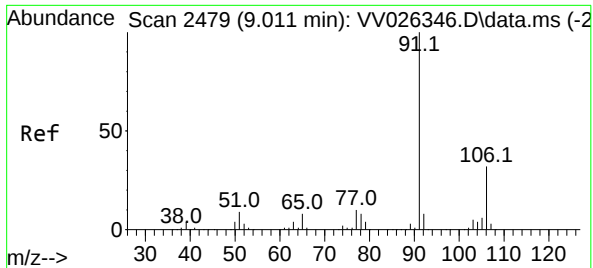
Tgt Ion:129 Resp: 419

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#





#52

Ethylbenzene

Concen: 0.155 ug/L

RT: 9.018 min Scan# 2479

Delta R.T. 0.007 min

Lab File: VV026349.D

Acq: 16 Jun 2022 22:05

Instrument :

MSVOA_V

ClientSampleId :

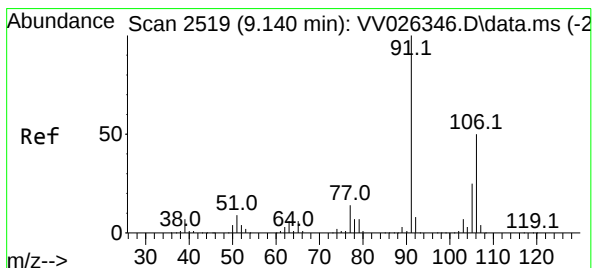
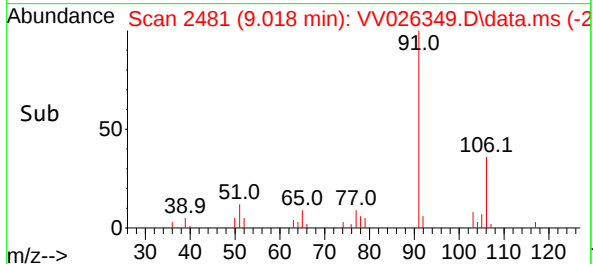
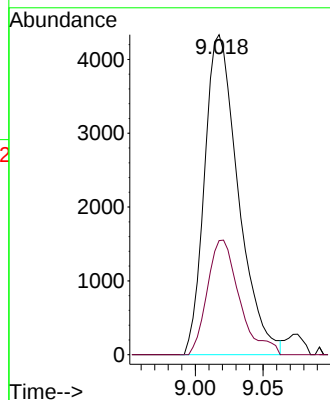
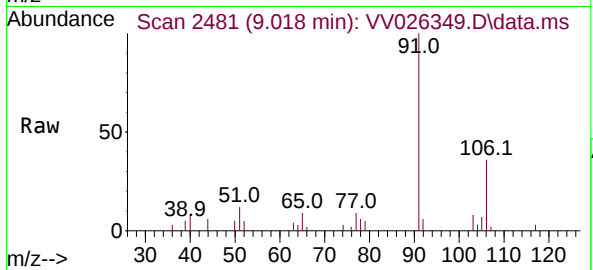
BGJ61

Tgt Ion: 91 Resp: 7495

Ion Ratio Lower Upper

91 100

106 35.7 21.6 40.0



#53

m,p-Xylene

Concen: 0.150 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV026349.D

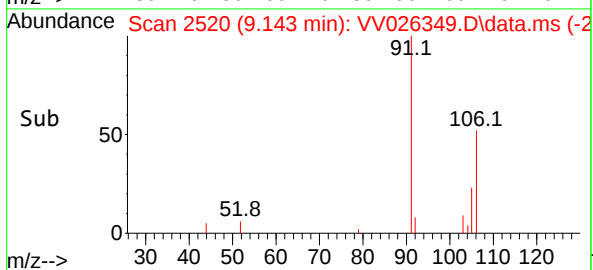
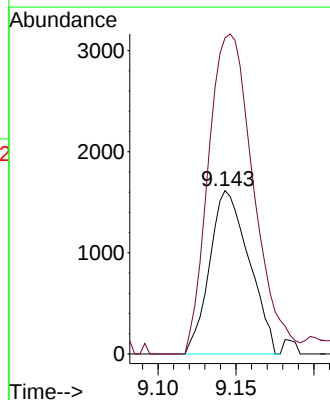
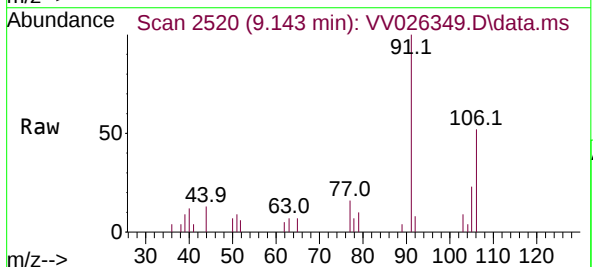
Acq: 16 Jun 2022 22:05

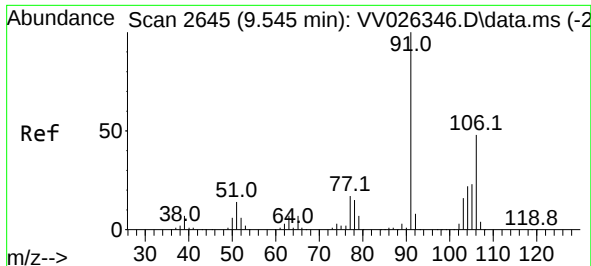
Tgt Ion: 106 Resp: 2839

Ion Ratio Lower Upper

106 100

91 193.4 141.3 262.3

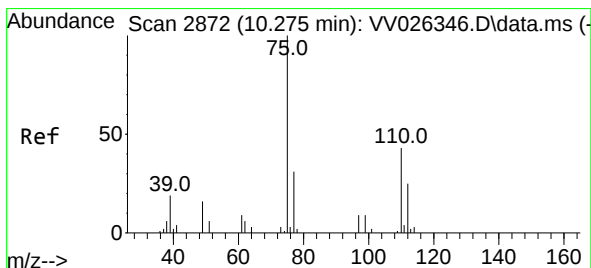
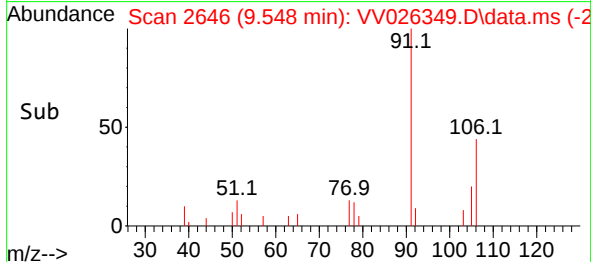
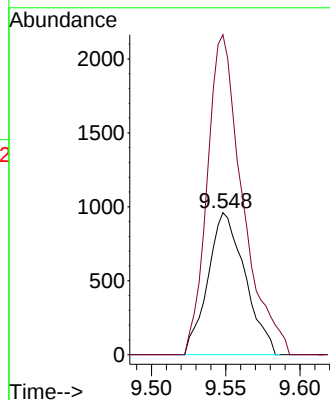
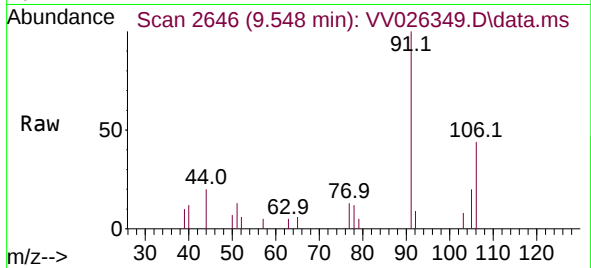




#54
o-Xylene
Concen: 0.091 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

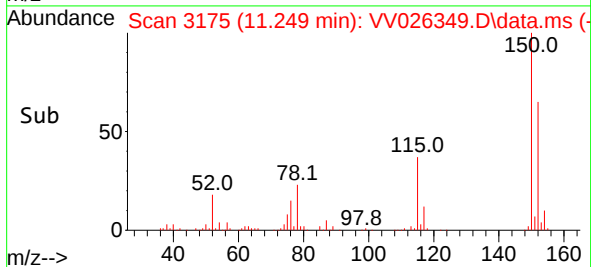
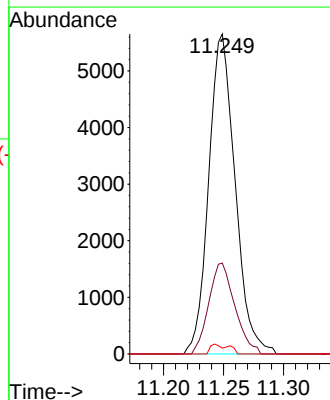
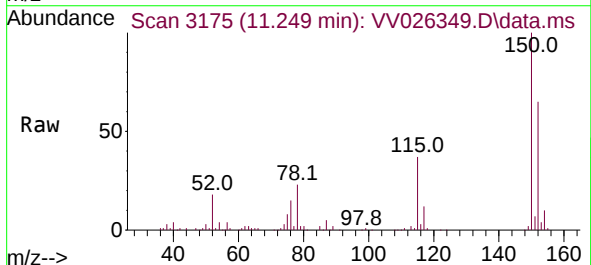
Instrument :
MSVOA_V
ClientSampleId :
BGJ61

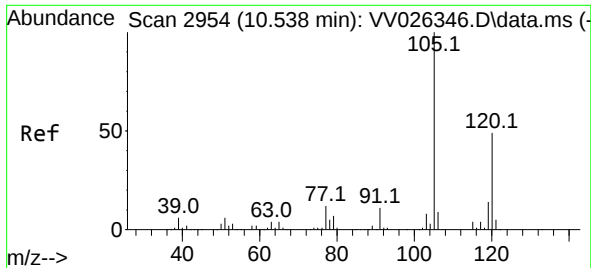
Tgt Ion:106 Resp: 1669
Ion Ratio Lower Upper
106 100
91 225.2 143.3 266.1



#61
1,2,3-Trichloropropane
Concen: 1.811 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV026349.D
Acq: 16 Jun 2022 22:05

Tgt Ion: 75 Resp: 8642
Ion Ratio Lower Upper
75 100
77 28.0 26.9 40.3
110 1.3 30.7 46.1#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.036 ug/L
 RT: 10.921 min Scan# 30
 Delta R.T. 0.383 min
 Lab File: VV026349.D
 Acq: 16 Jun 2022 22:05

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ61

Tgt Ion:105 Resp: 1109
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.9 59.9

