

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027723.D
 Acq On : 02 Sep 2022 15:22
 Operator : SY/MD
 Sample : N4404-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 05:33:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 03 05:30:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	125944	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	122927	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54682	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	55325	4.044	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.568	69	55088	4.812	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.108	63	92753	3.464	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	3.886	46	60441	26.128	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	52.260%
24) Chloroform-d	4.346	84	121467	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.030	65	57600	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.046	84	227712	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.066	67	67246	4.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.313	98	183110	4.199	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.622	79	18431	3.841	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.088	63	78206	43.343	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.680%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	43418	4.332	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	62450	5.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
5) Vinyl chloride	1.310	62	219547	14.034	ug/L	98
8) Chloroethane	1.532	64	10075	1.152	ug/L #	52
12) 1,1-Dichloroethene	2.114	96	4859	0.462	ug/L #	1
14) Carbon disulfide	2.294	76	3340	0.101	ug/L #	93
17) Methyl tert-butyl Ether	2.764	73	903	0.040	ug/L #	1
18) trans-1,2-Dichloroethene	2.760	96	1298	0.109	ug/L	97
22) cis-1,2-Dichloroethene	3.908	96	301056	25.315	ug/L	91
30) Cyclohexane	4.670	56	1161	0.065	ug/L #	60
33) Benzene	5.104	78	5934	0.124	ug/L	100
34) Trichloroethene	5.911	95	121826	10.336	ug/L	99
35) Methylcyclohexane	6.133	83	1242	0.068	ug/L	97
42) Toluene	7.390	91	40433	0.845	ug/L	100
44) trans-1,3-Dichloropropene	7.619	75	870	0.072	ug/L	98
47) Tetrachloroethene	7.972	164	27823	2.912	ug/L	96
49) Dibromochloromethane	7.972	129	26348	2.848	ug/L #	12
50) 1,2-Dibromoethane	8.365	107	435	0.062	ug/L #	57
52) Ethylbenzene	9.021	91	4177	0.086	ug/L	87
53) m,p-Xylene	9.140	106	18517	0.993	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	5864	1.060	ug/L #	60

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QLast Update : Sat Sep 03 05:30:57 2022
Response via : Initial Calibration

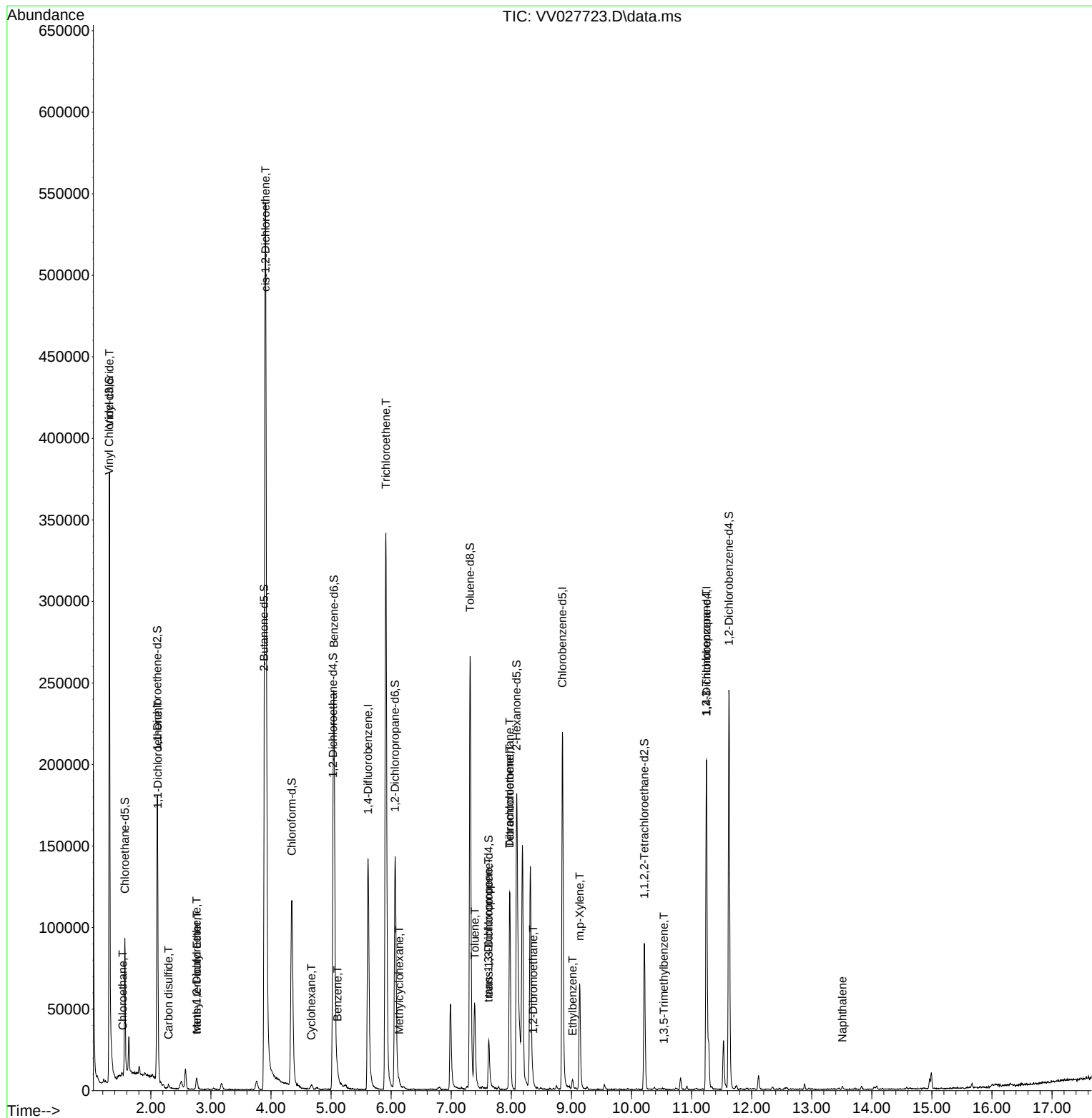
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.541	105	404	0.036	ug/L	98
71) Naphthalene	13.509	128	1979	0.119	ug/L #	93

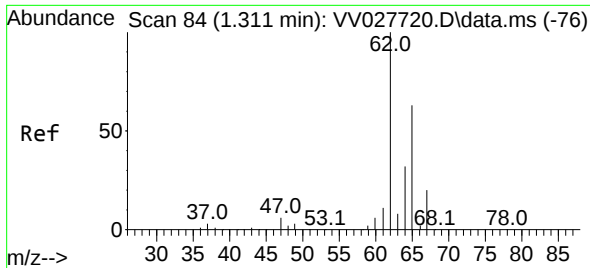
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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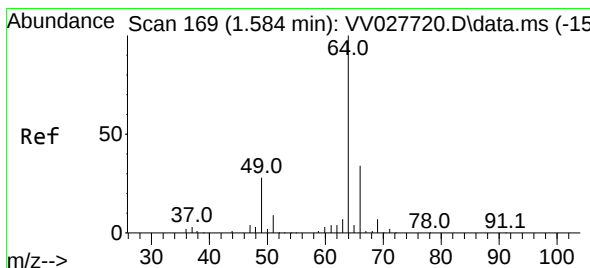
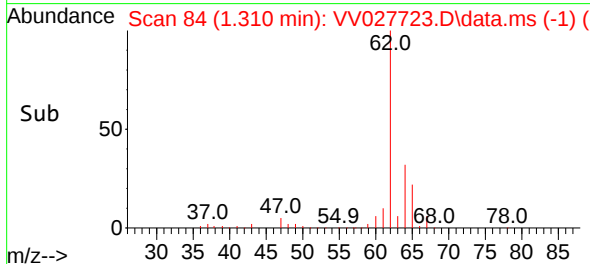
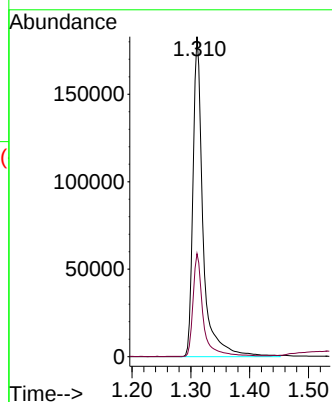
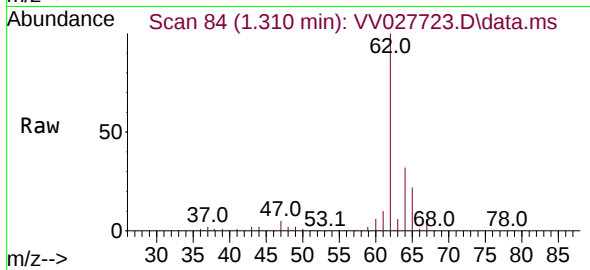




#5
 Vinyl chloride
 Concen: 14.034 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV027723.D
 Acq: 02 Sep 2022 15:22

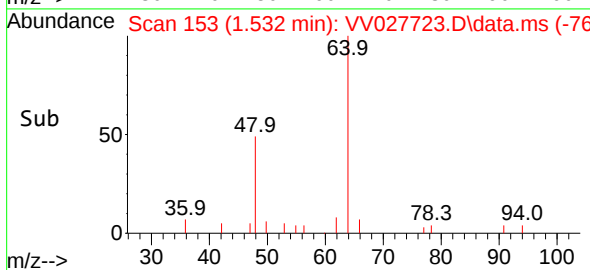
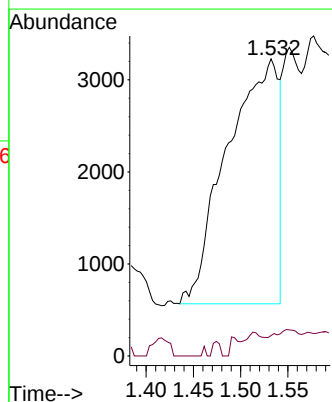
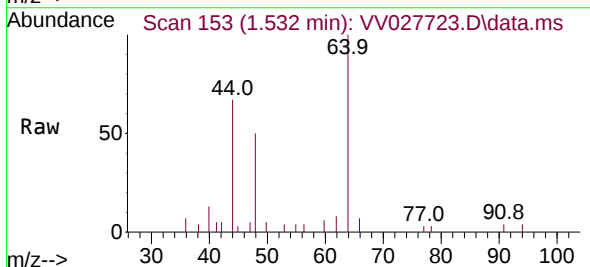
Instrument :
 MSVOA_V
 ClientSampleId :

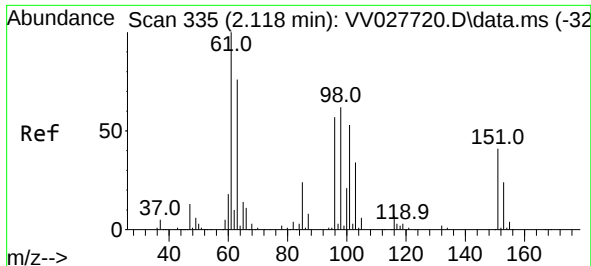
Tgt Ion: 62 Resp: 219547
 Ion Ratio Lower Upper
 62 100
 64 32.2 21.8 40.4



#8
 Chloroethane
 Concen: 1.152 ug/L
 RT: 1.532 min Scan# 153
 Delta R.T. -0.052 min
 Lab File: VV027723.D
 Acq: 02 Sep 2022 15:22

Tgt Ion: 64 Resp: 10075
 Ion Ratio Lower Upper
 64 100
 66 6.9 24.0 44.6#





#12

1,1-Dichloroethene

Concen: 0.462 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

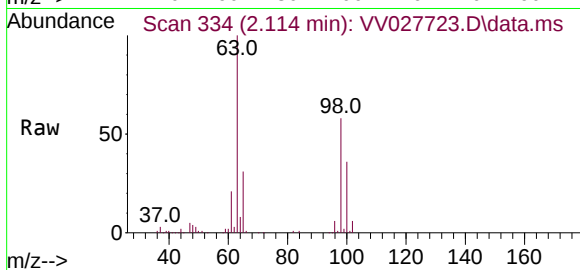
Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

Instrument :

MSVOA_V

ClientSampleId :



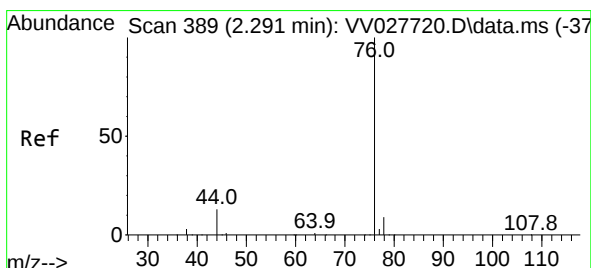
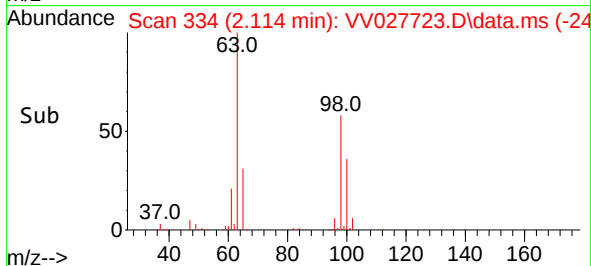
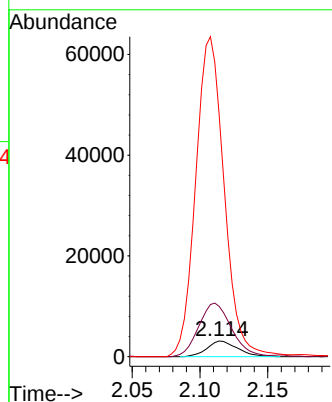
Tgt Ion: 96 Resp: 4859

Ion Ratio Lower Upper

96 100

61 321.0 134.3 249.3#

63 1549.4 105.7 196.3#



#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV027723.D

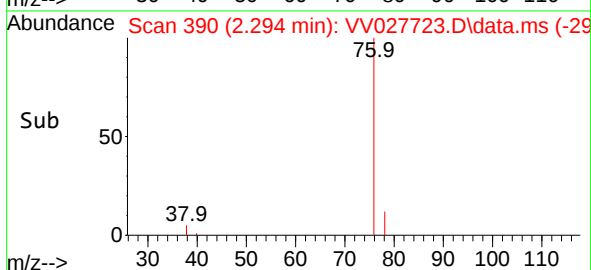
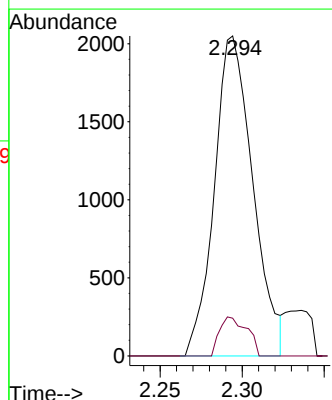
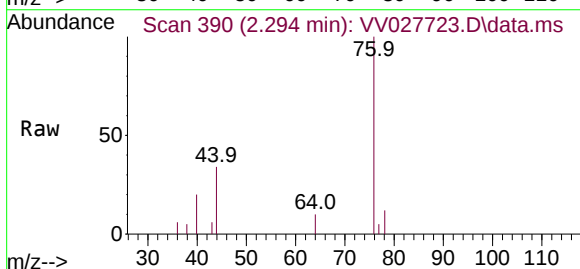
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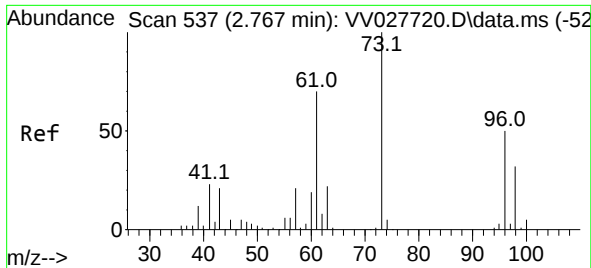
Tgt Ion: 76 Resp: 3340

Ion Ratio Lower Upper

76 100

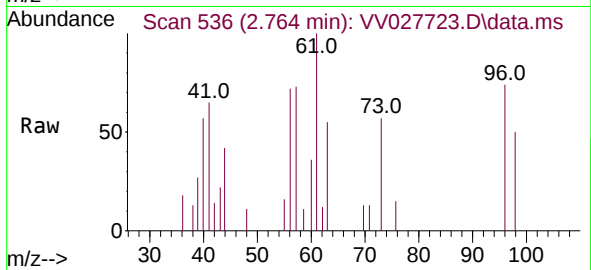
78 11.8 7.4 11.0#



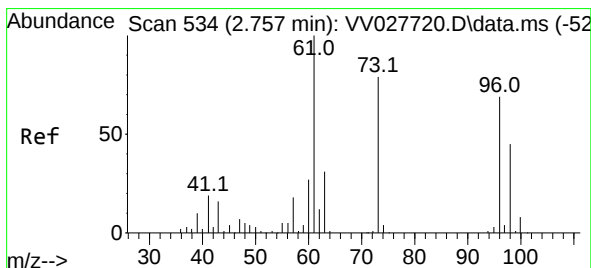
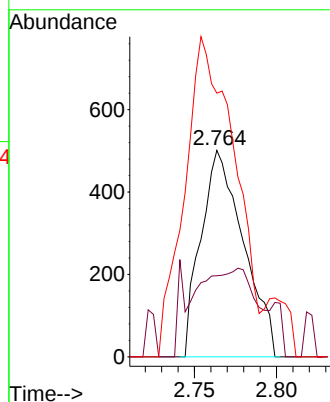
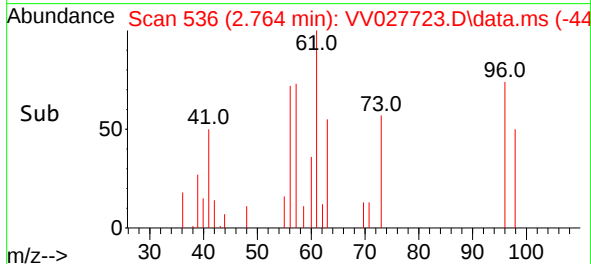


#17
Methyl tert-butyl Ether
Concen: 0.040 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

Instrument :
MSVOA_V
ClientSampleId :

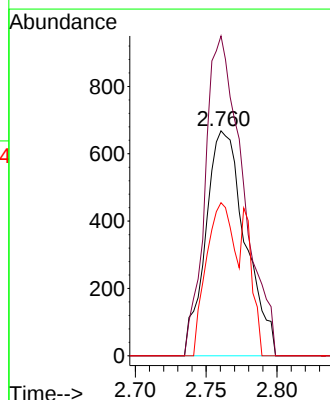
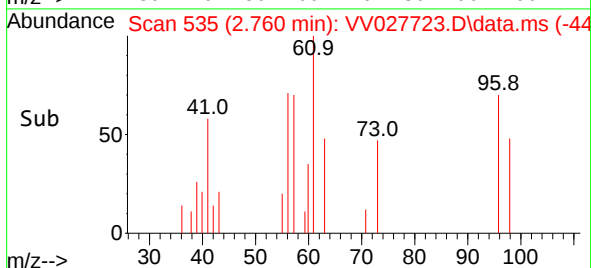
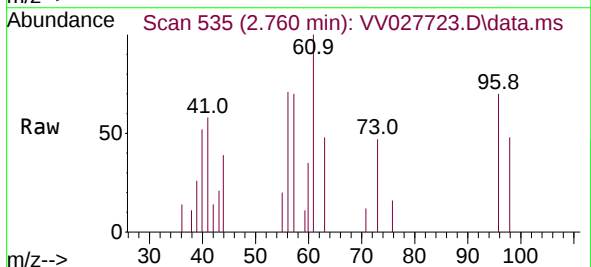


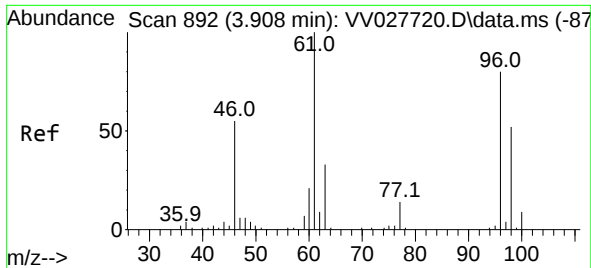
Tgt Ion: 73 Resp: 903
Ion Ratio Lower Upper
73 100
43 30.7 16.5 24.7#
57 184.6 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.109 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

Tgt Ion: 96 Resp: 1298
Ion Ratio Lower Upper
96 100
61 142.2 101.8 189.0
98 68.1 44.9 83.3





#22

cis-1,2-Dichloroethene

Concen: 25.315 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

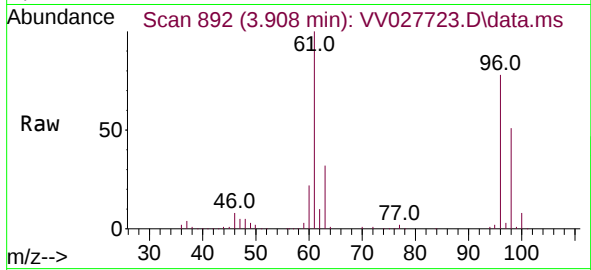
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Acq: 02 Sep 2022 15:22

Instrument :

MSVOA_V

ClientSampleId :



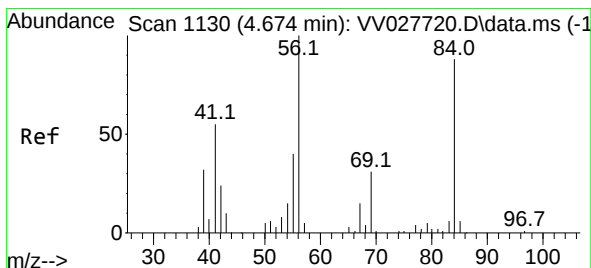
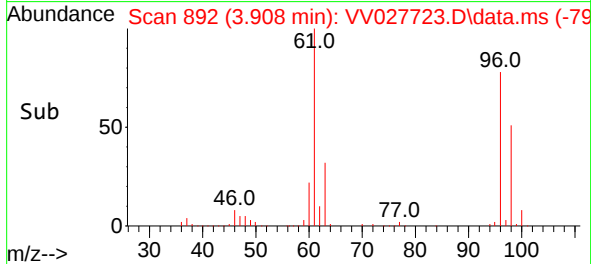
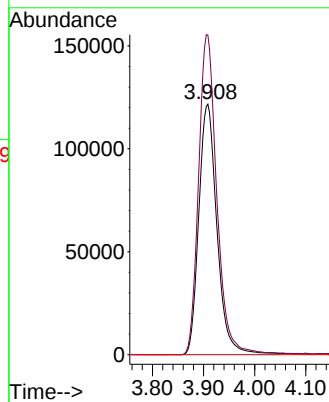
Tgt Ion: 96 Resp: 301056

Ion Ratio Lower Upper

96 100

61 127.6 96.9 180.1

68 0.0 0.0 0.0



#30

Cyclohexane

Concen: 0.065 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027723.D

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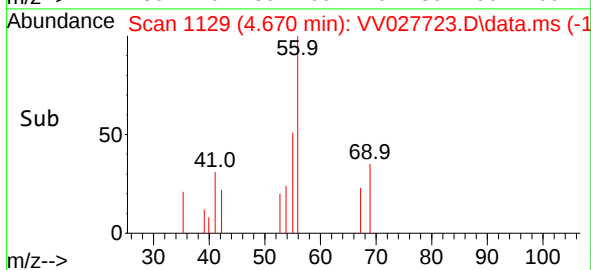
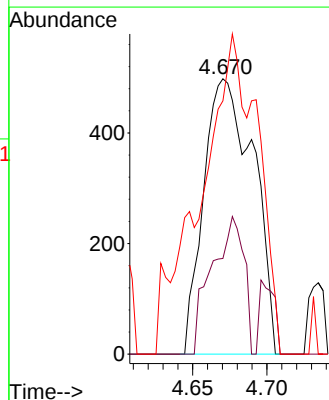
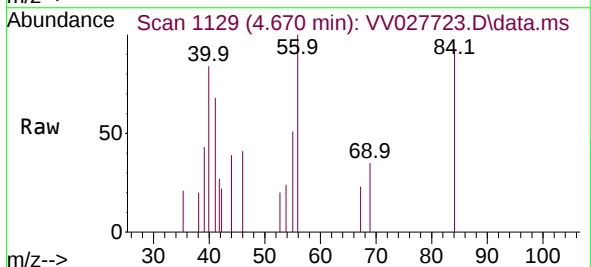
Tgt Ion: 56 Resp: 1161

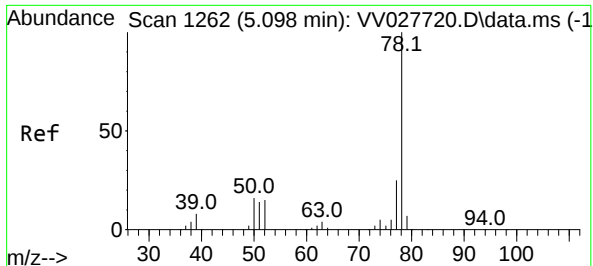
Ion Ratio Lower Upper

56 100

69 32.1 24.1 36.1

84 35.7 66.9 100.3#

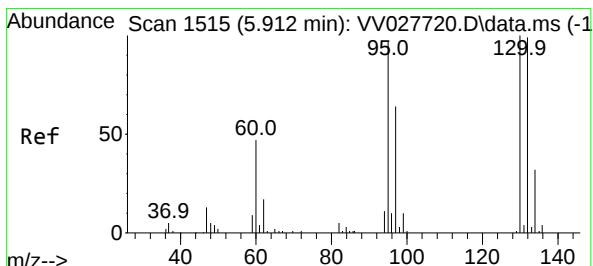
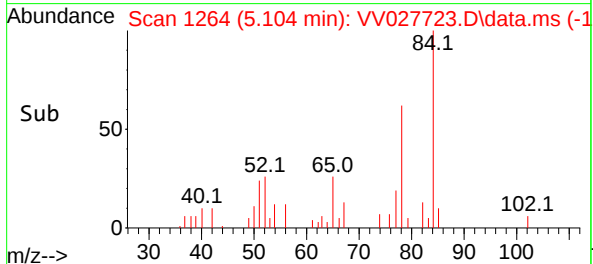
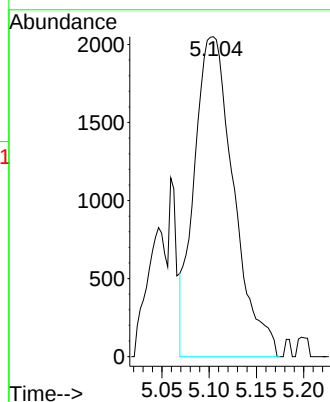
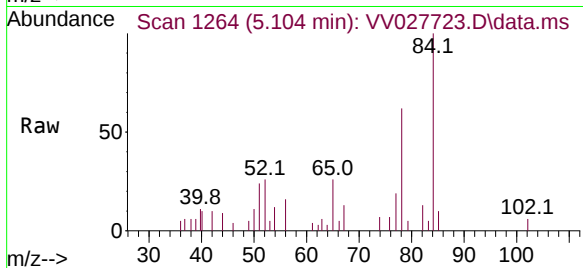




#33
Benzene
Concen: 0.124 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

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ClientSampleId :

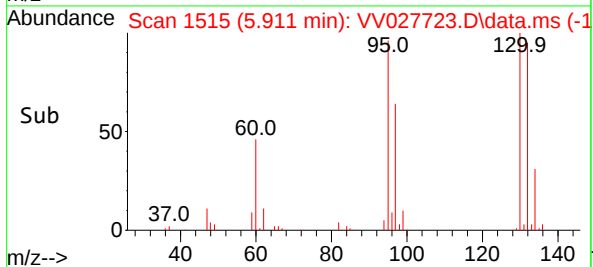
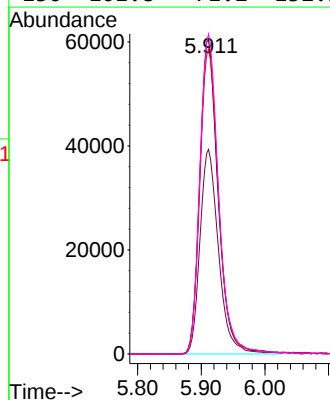
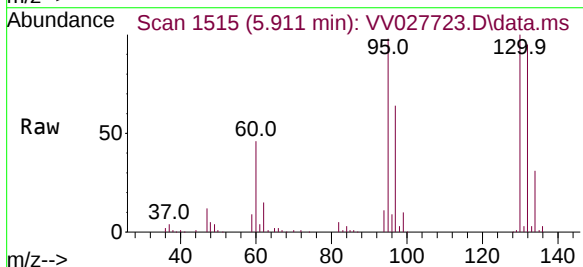
Tgt Ion: 78 Resp: 5934

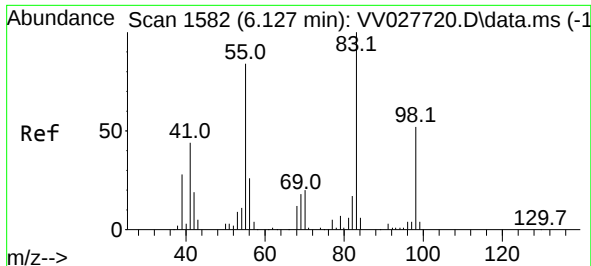


#34
Trichloroethene
Concen: 10.336 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
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Acq: 02 Sep 2022 15:22

Tgt Ion: 95 Resp: 121826

Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.1	85.5
132	96.9	67.3	125.1
130	101.8	71.2	132.2





#35

Methylcyclohexane

Concen: 0.068 ug/L

RT: 6.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV027723.D

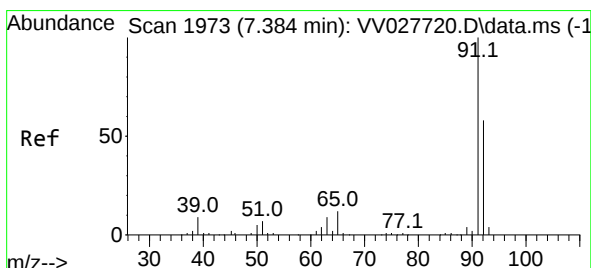
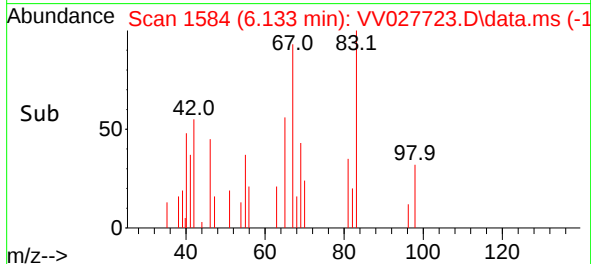
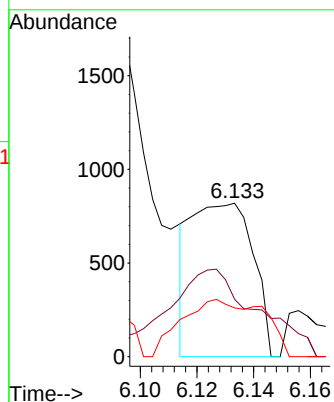
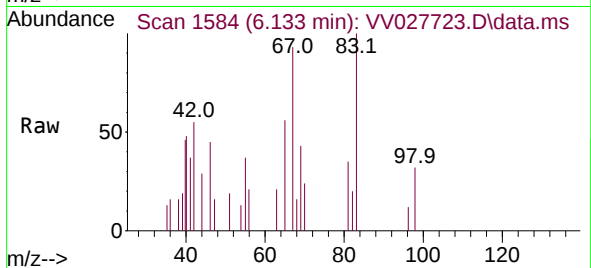
Acq: 02 Sep 2022 15:22

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MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	1242
Ion	Ratio	Lower	Upper
83	100		
55	84.1	66.0	99.0
98	49.3	36.9	55.3



#42

Toluene

Concen: 0.845 ug/L

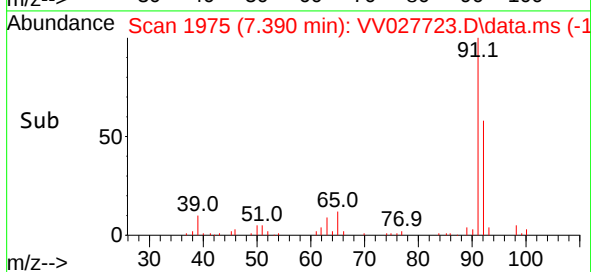
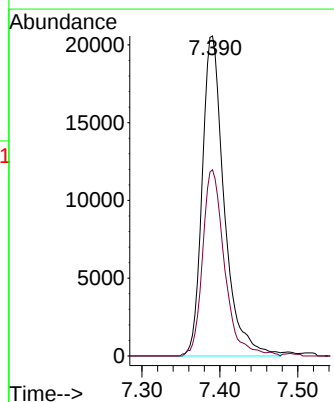
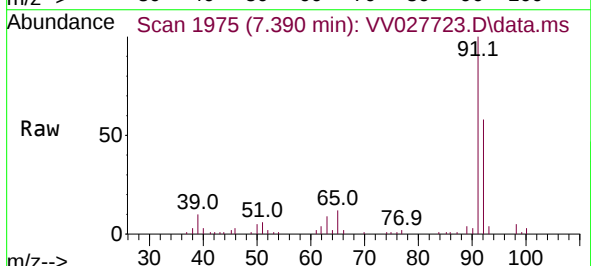
RT: 7.390 min Scan# 1975

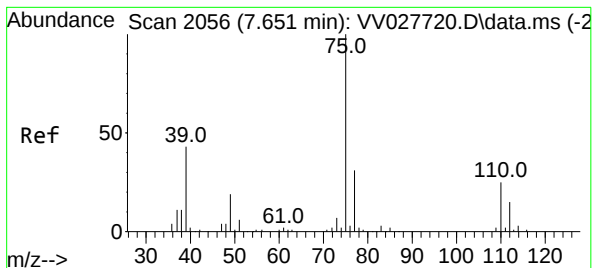
Delta R.T. 0.006 min

Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

Tgt Ion:	91	Resp:	40433
Ion	Ratio	Lower	Upper
91	100		
92	58.2	40.6	75.4





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.619 min Scan# 2046

Delta R.T. -0.032 min

Lab File: VV027723.D

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MSVOA_V

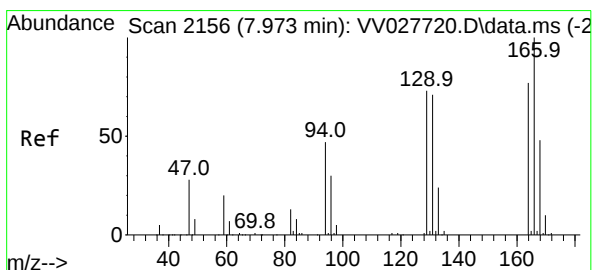
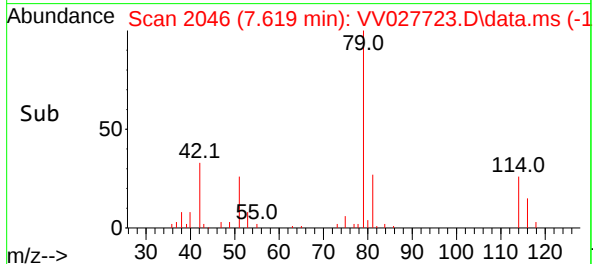
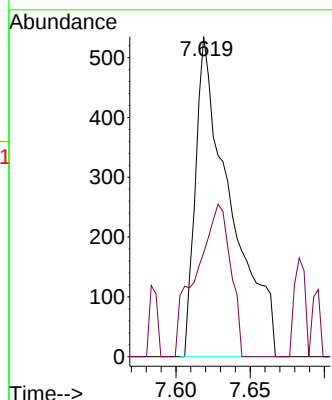
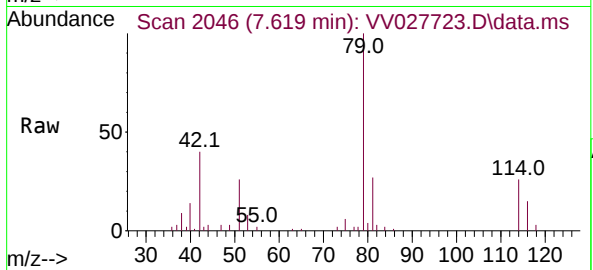
ClientSampleId :

Tgt Ion: 75 Resp: 870

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0



#47

Tetrachloroethene

Concen: 2.912 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

Tgt Ion: 164 Resp: 27823

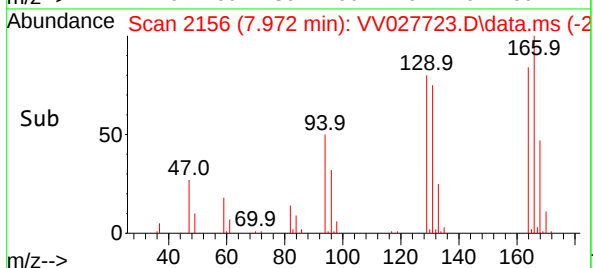
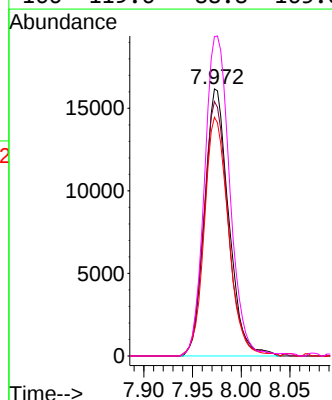
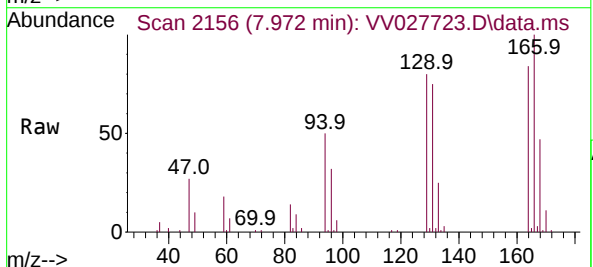
Ion Ratio Lower Upper

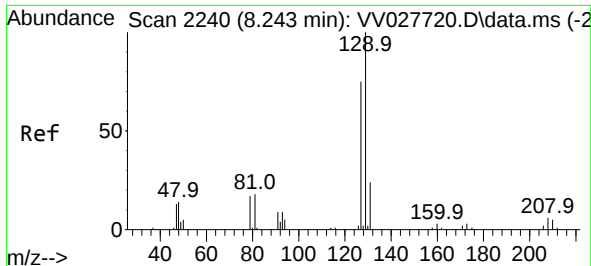
164 100

129 95.3 65.9 122.3

131 89.4 64.5 119.7

166 119.6 88.8 165.0





#49

Dibromochloromethane

Concen: 2.848 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

Instrument :

MSVOA_V

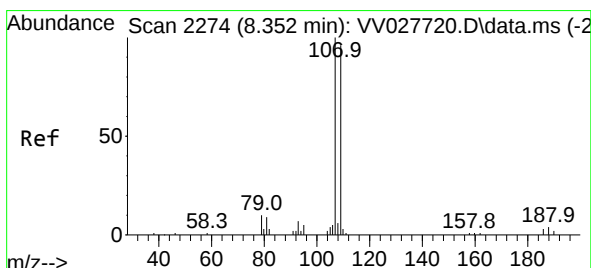
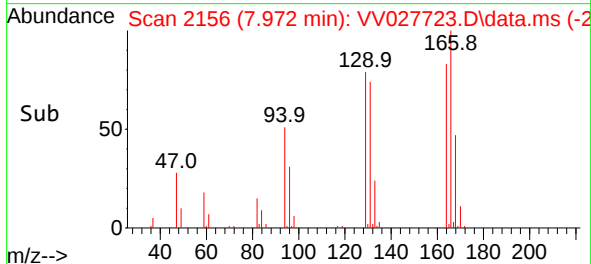
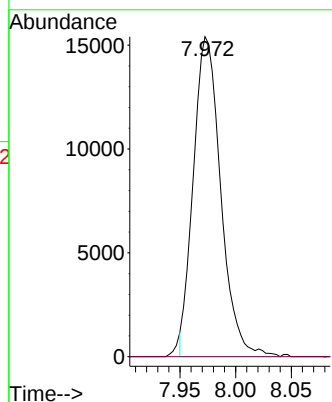
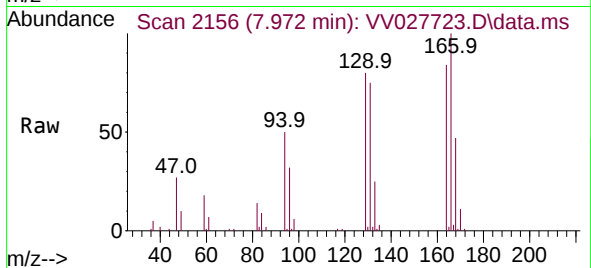
ClientSampleId :

Tgt Ion:129 Resp: 26348

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#50

1,2-Dibromoethane

Concen: 0.062 ug/L

RT: 8.365 min Scan# 2278

Delta R.T. 0.013 min

Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

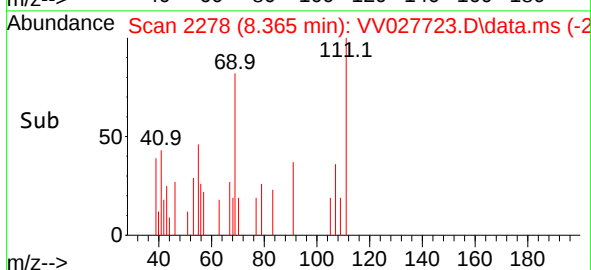
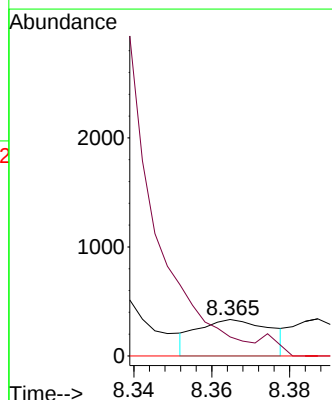
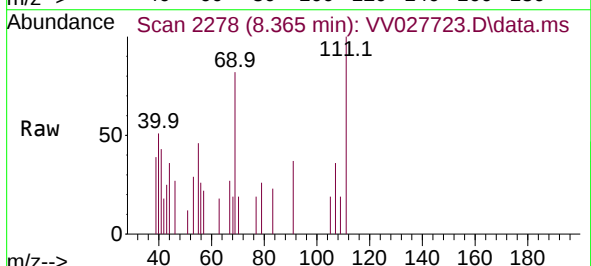
Tgt Ion:107 Resp: 435

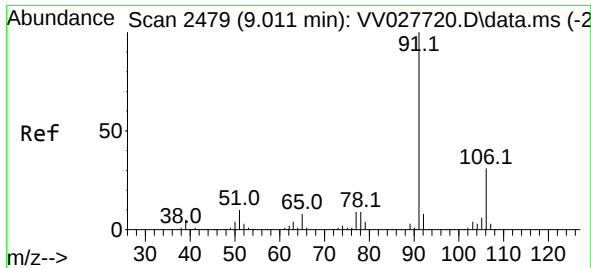
Ion Ratio Lower Upper

107 100

109 52.2 66.2 123.0#

188 0.0 2.6 3.8#





#52

Ethylbenzene

Concen: 0.086 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.009 min

Lab File: VV027723.D

Acq: 02 Sep 2022 15:22

Instrument :

MSVOA_V

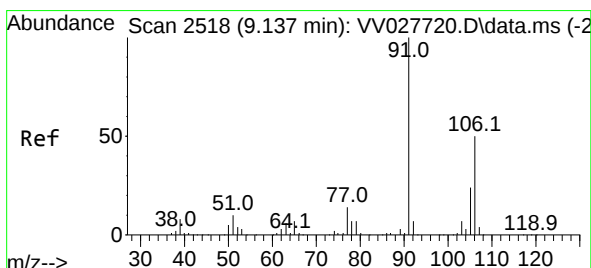
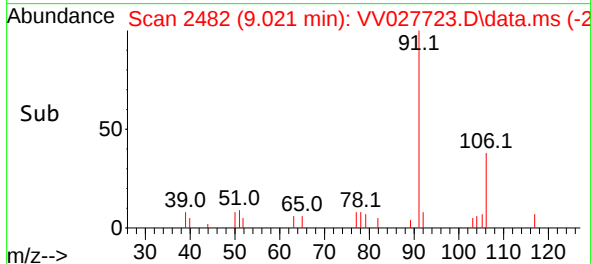
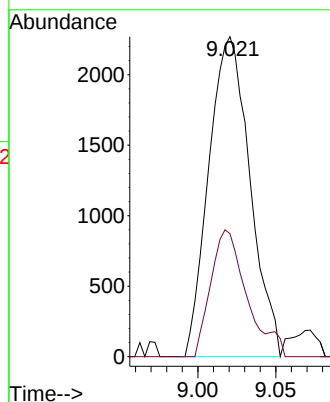
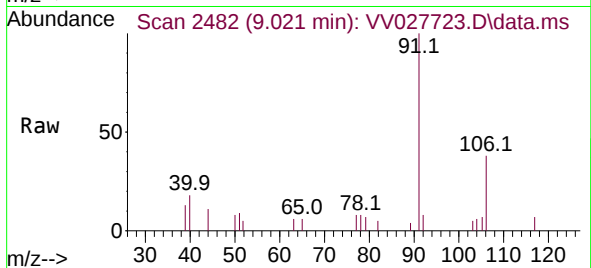
ClientSampleId :

Tgt Ion: 91 Resp: 4177

Ion Ratio Lower Upper

91 100

106 38.5 21.9 40.7



#53

m,p-Xylene

Concen: 0.993 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV027723.D

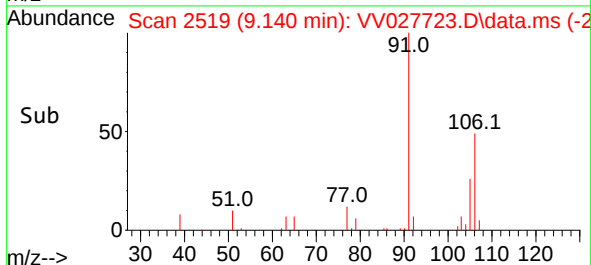
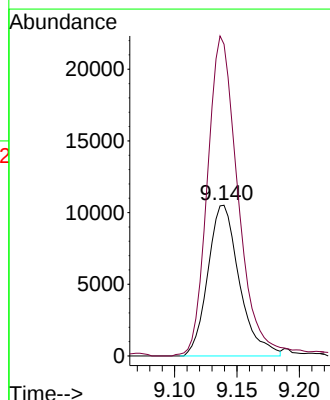
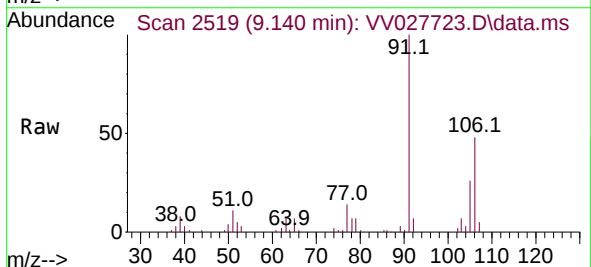
Acq: 02 Sep 2022 15:22

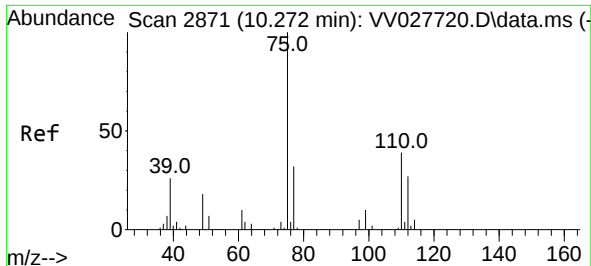
Tgt Ion: 106 Resp: 18517

Ion Ratio Lower Upper

106 100

91 206.9 147.3 273.5

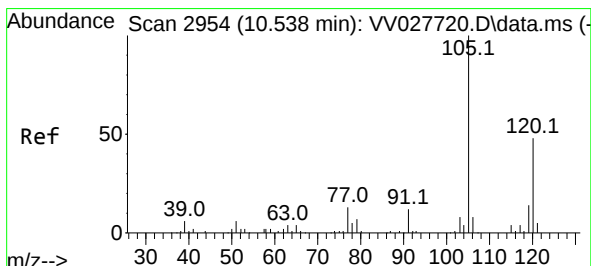
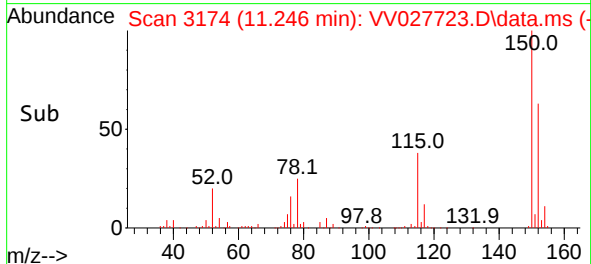
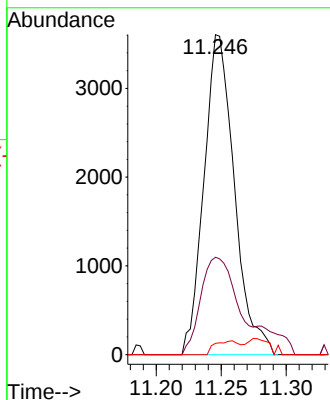
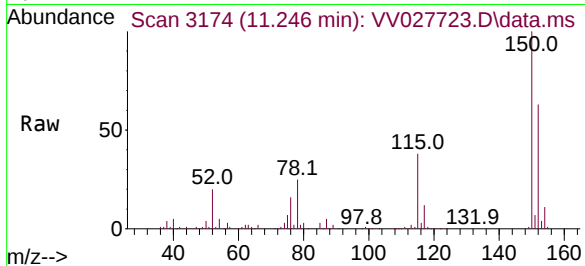




#61
1,2,3-Trichloropropane
Concen: 1.060 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

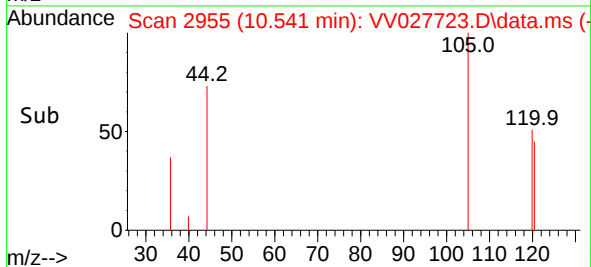
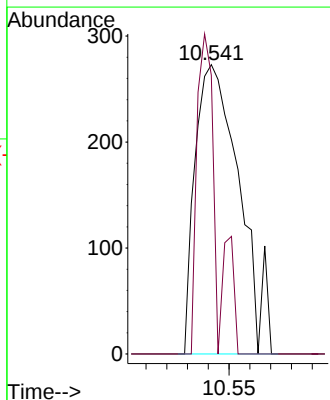
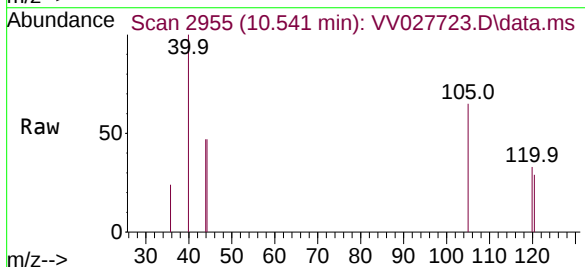
Instrument :
MSVOA_V
ClientSampleId :

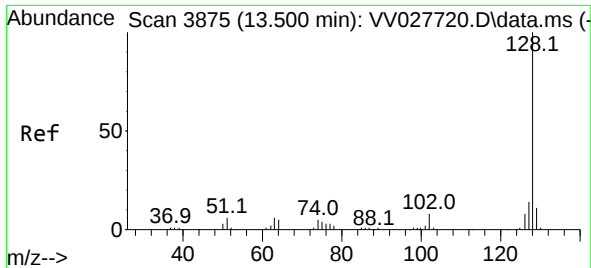
Tgt Ion: 75 Resp: 5864
Ion Ratio Lower Upper
75 100
77 43.2 25.8 38.6#
110 3.4 29.8 44.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.036 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

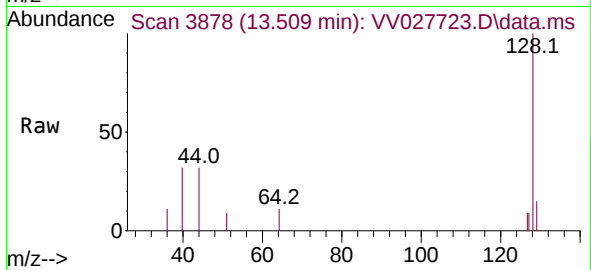
Tgt Ion: 105 Resp: 404
Ion Ratio Lower Upper
105 100
120 49.0 40.4 60.6





#71
Naphthalene
Concen: 0.119 ug/L
RT: 13.509 min Scan# 3875
Delta R.T. 0.009 min
Lab File: VV027723.D
Acq: 02 Sep 2022 15:22

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1979
Ion Ratio Lower Upper
128 100
129 7.2 8.9 13.3#
127 12.0 10.9 16.3

