

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090122\
 Data File : VV027724.D
 Acq On : 02 Sep 2022 15:47
 Operator : SY/MD
 Sample : N4404-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 05:33:34 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	121945	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	120379	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	55363	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	58488	4.415	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.568	69	53972	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.104	63	91608	3.533	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	3.905	46	59431	26.534	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.060%
24) Chloroform-d	4.346	84	119524	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.030	65	57482	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.047	84	220482	4.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.066	67	66113	4.335	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.313	98	178086	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.622	79	19021	4.048	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.091	63	80052	45.306	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41551	4.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	65181	5.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	949	0.060	ug/L	95
5) Vinyl chloride	1.310	62	17653	1.165	ug/L	89
6) Bromomethane	1.529	94	406	0.057	ug/L #	45
8) Chloroethane	1.584	64	893	0.105	ug/L #	72
12) 1,1-Dichloroethene	2.111	96	819	0.080	ug/L #	1
14) Carbon disulfide	2.291	76	2837	0.088	ug/L	100
18) trans-1,2-Dichloroethene	2.767	96	695	0.060	ug/L	81
22) cis-1,2-Dichloroethene	3.908	96	24949	2.167	ug/L	93
35) Methylcyclohexane	6.066	83	17055	0.952	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	8302	0.700	ug/L #	89
39) cis-1,3-Dichloropropene	6.985	75	1524	0.105	ug/L #	66
47) Tetrachloroethene	7.976	164	775	0.083	ug/L	93
49) Dibromochloromethane	7.979	129	869	0.096	ug/L #	12
50) 1,2-Dibromoethane	8.316	107	522	0.076	ug/L #	1
53) m,p-Xylene	9.149	106	3120	0.171	ug/L	90
60) Isopropylbenzene	9.146	105	1720	0.041	ug/L #	40
61) 1,2,3-Trichloropropane	10.535	75	1265	0.226	ug/L #	54
62) 1,3,5-Trimethylbenzene	10.541	105	366	0.032	ug/L #	57
68) 1,2-Dibromo-3-chloropr...	12.577	75	14871	13.330	ug/L #	9

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 03 05:30:57 2022
Response via : Initial Calibration

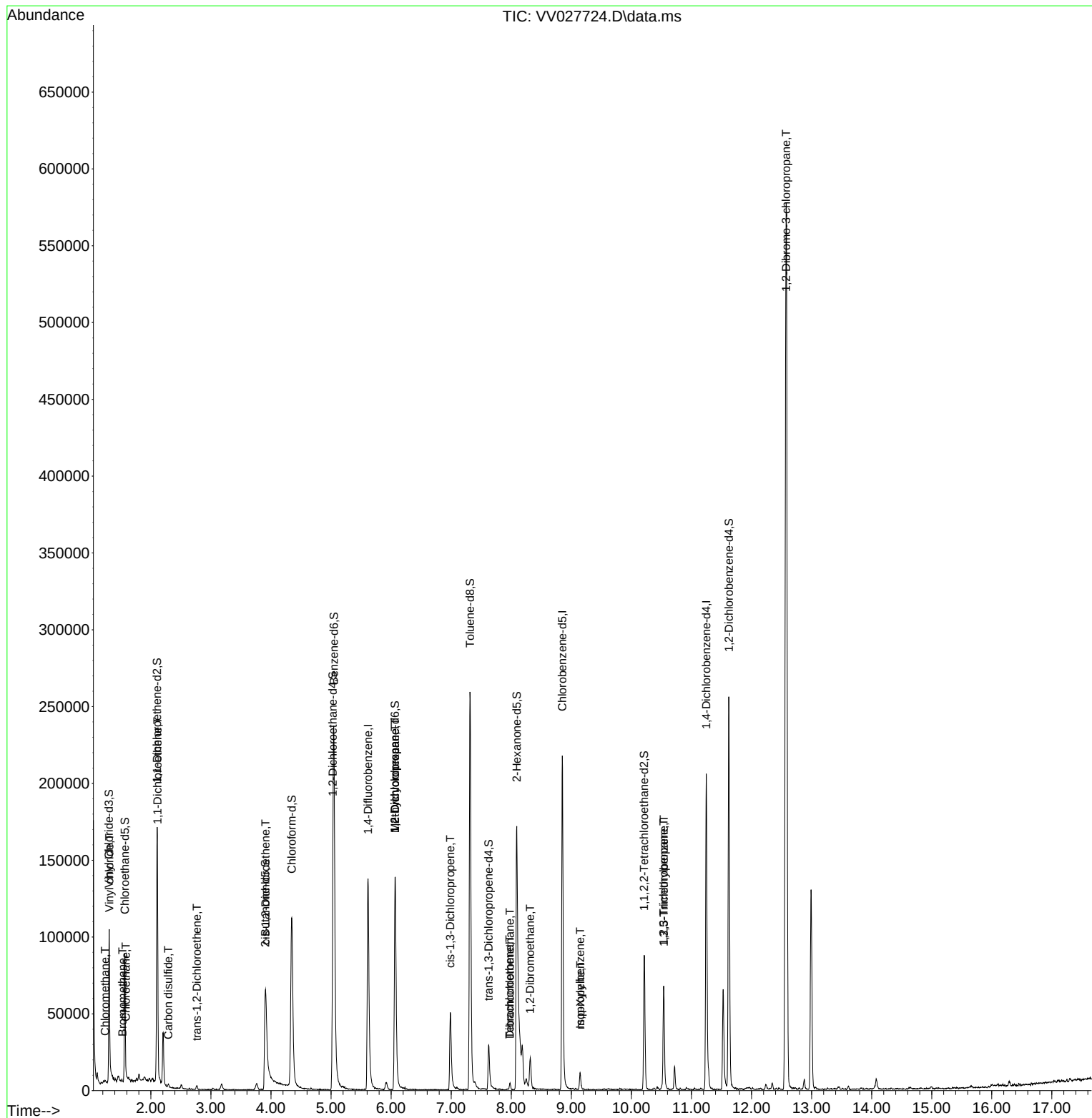
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

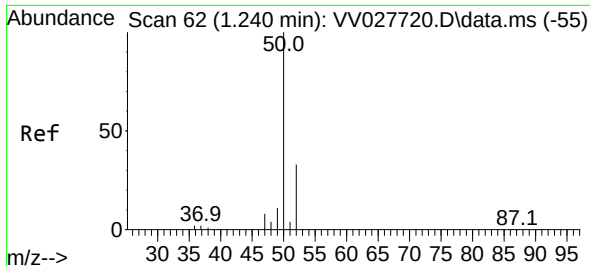
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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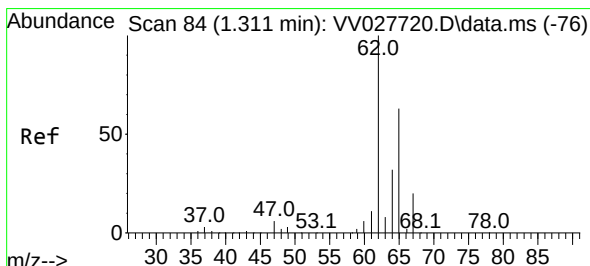
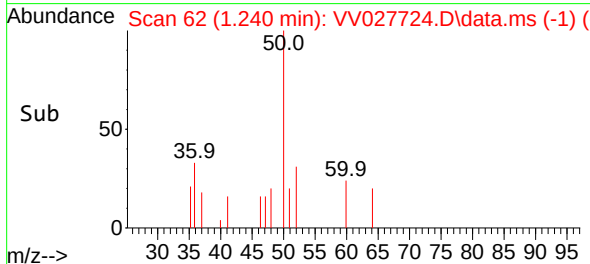
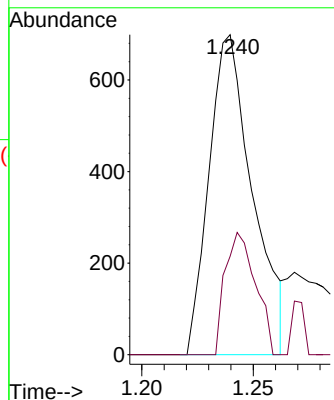
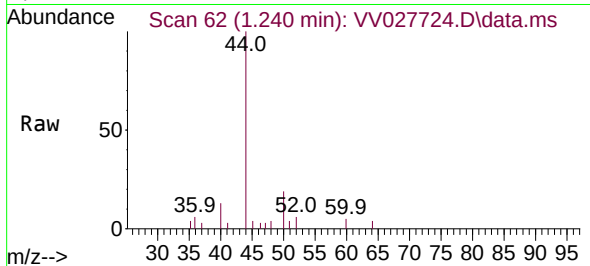




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

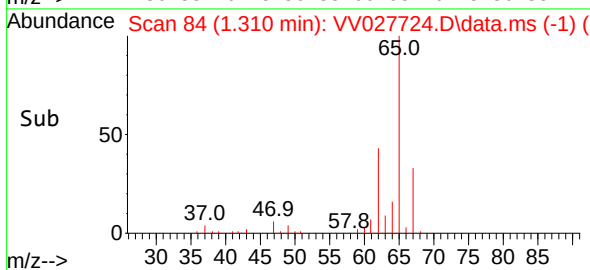
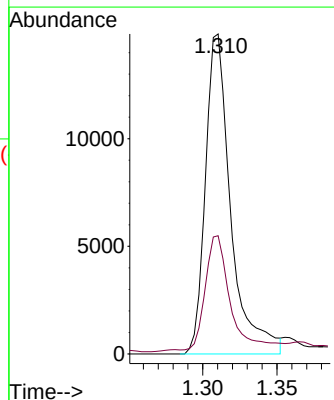
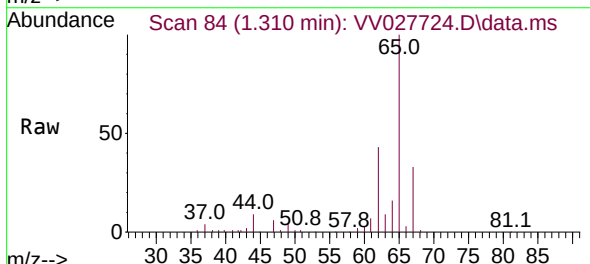
Instrument :
MSVOA_V
ClientSampleId :

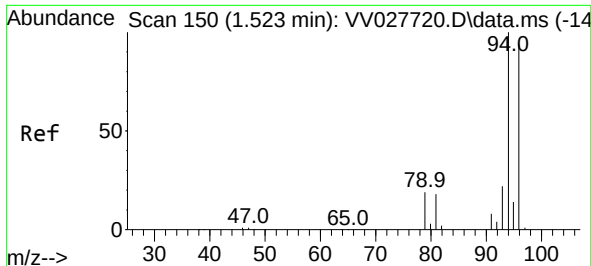
Tgt Ion: 50 Resp: 949
Ion Ratio Lower Upper
50 100
52 30.8 23.5 43.7



#5
Vinyl chloride
Concen: 1.165 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

Tgt Ion: 62 Resp: 17653
Ion Ratio Lower Upper
62 100
64 37.0 21.8 40.4

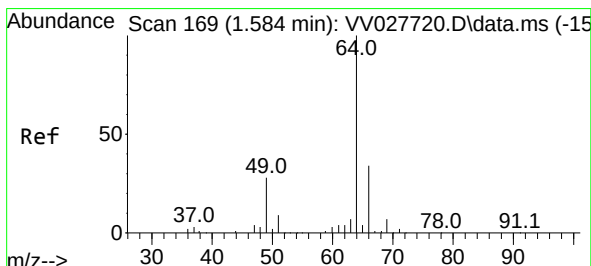
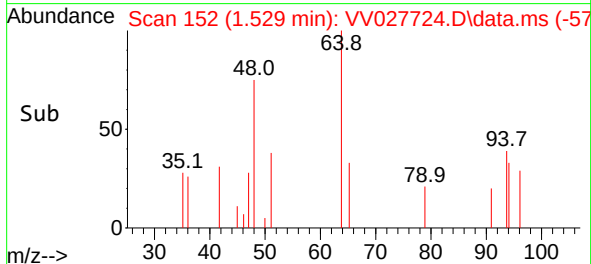
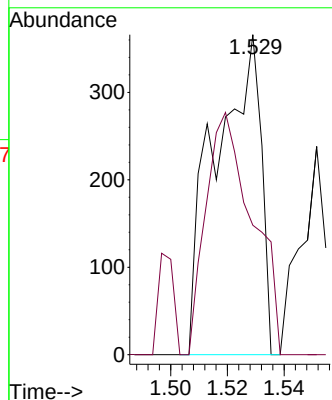
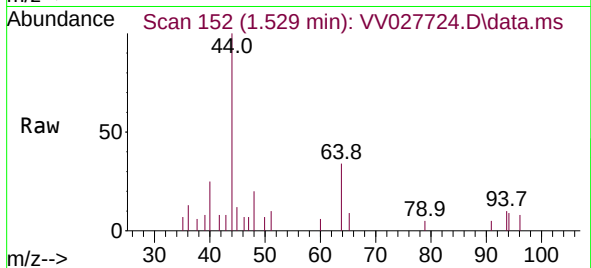




#6
Bromomethane
Concen: 0.057 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

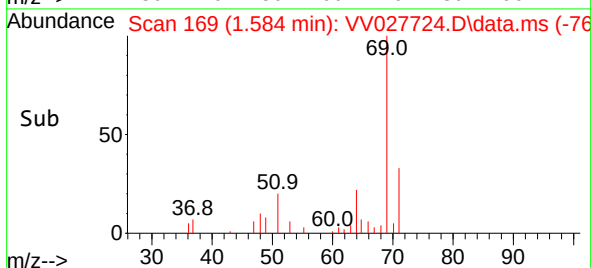
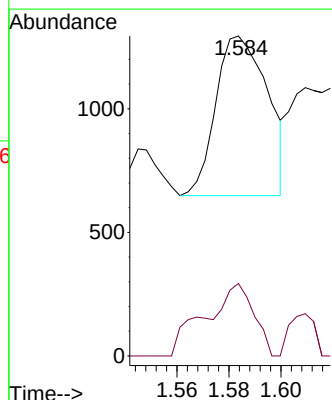
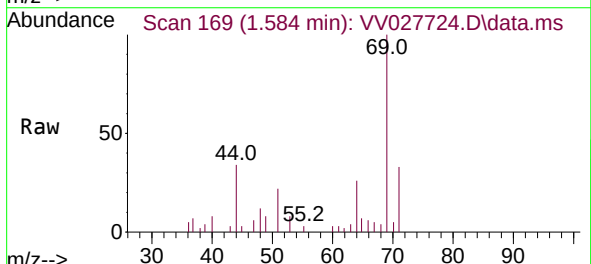
Instrument :
MSVOA_V
ClientSampleId :

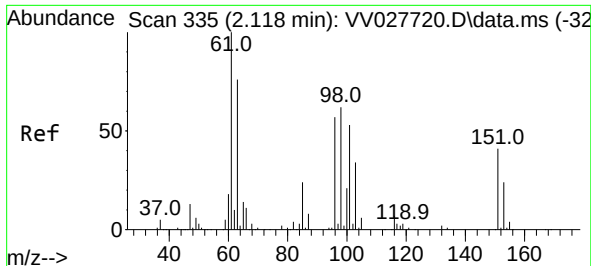
Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 40.4 65.1 120.9#



#8
Chloroethane
Concen: 0.105 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

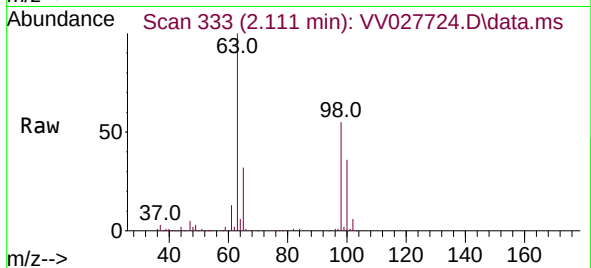
Tgt Ion: 64 Resp: 893
Ion Ratio Lower Upper
64 100
66 18.0 24.0 44.6#



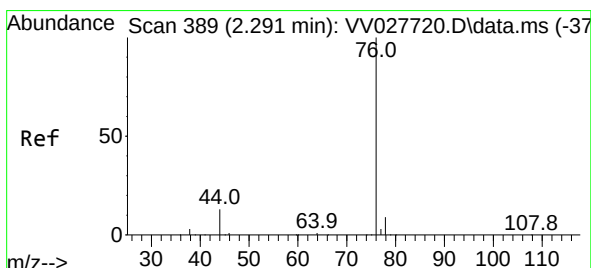
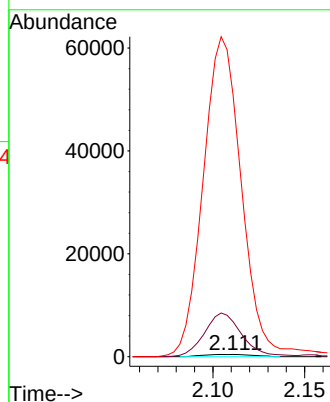
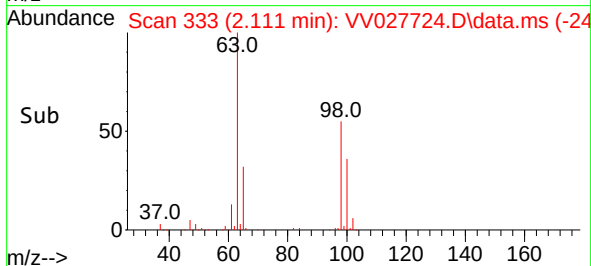


#12
1,1-Dichloroethene
Concen: 0.080 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.007 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

Instrument :
MSVOA_V
ClientSampleId :

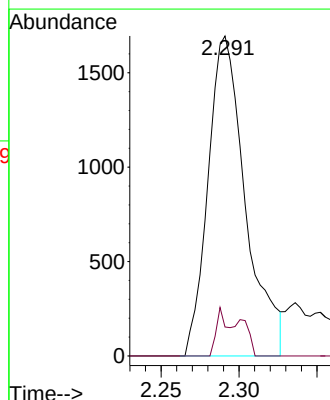
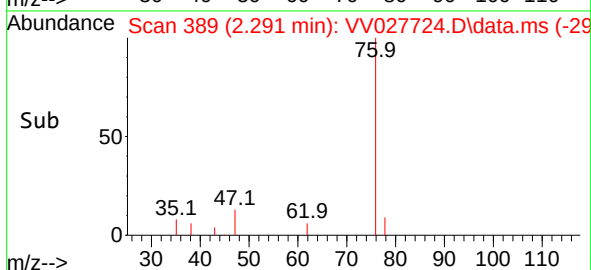
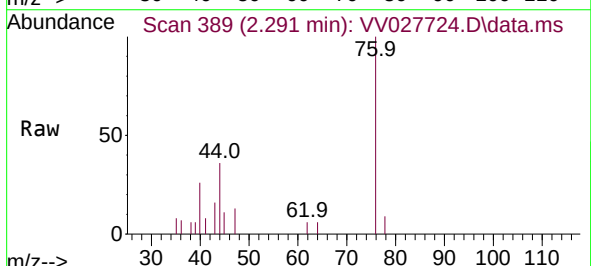


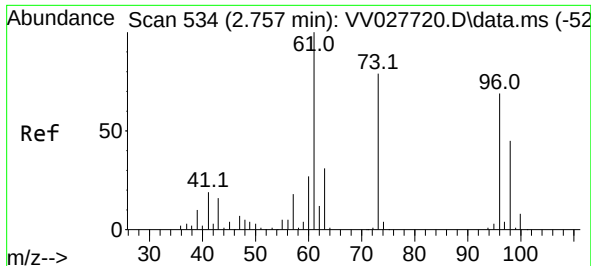
Tgt Ion: 96 Resp: 819
Ion Ratio Lower Upper
96 100
61 1570.9 134.3 249.3#
63 11783.8 105.7 196.3#



#14
Carbon disulfide
Concen: 0.088 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

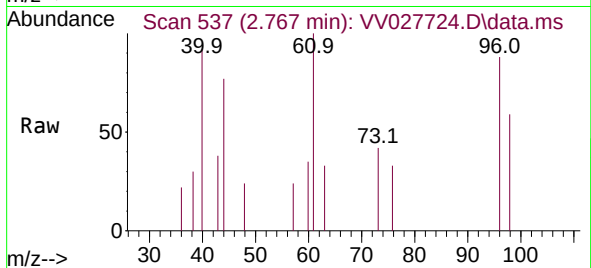
Tgt Ion: 76 Resp: 2837
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



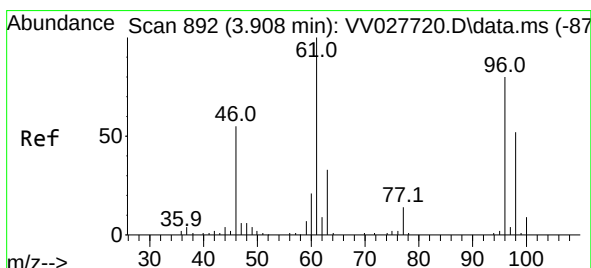
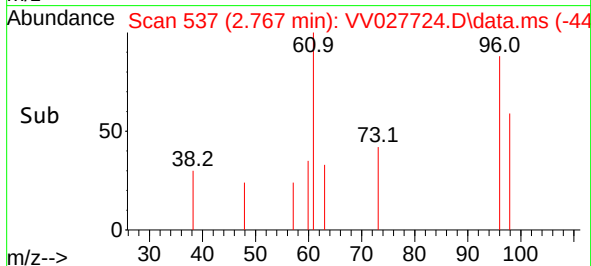
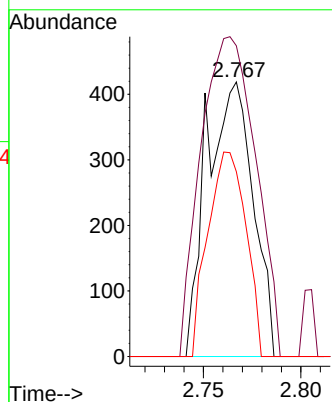


#18
trans-1,2-Dichloroethene
Concen: 0.060 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.009 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

Instrument :
MSVOA_V
ClientSampleId :

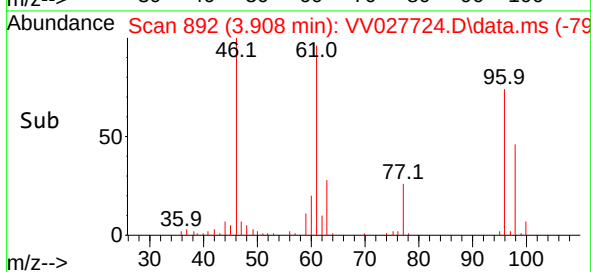
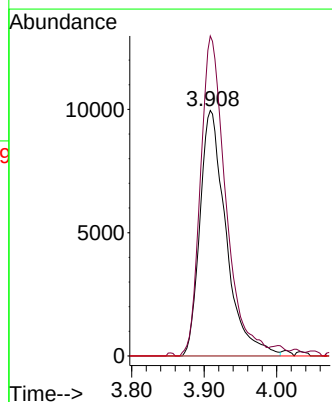
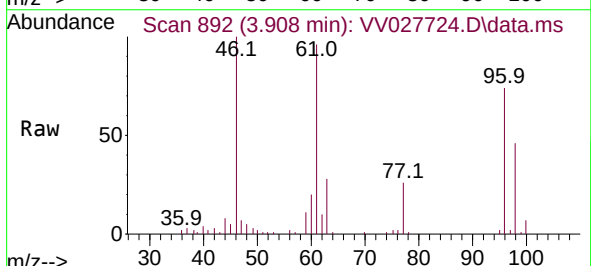


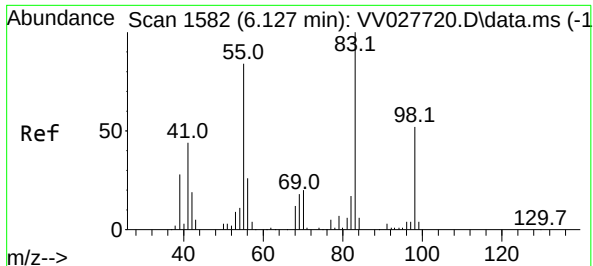
Tgt Ion: 96 Resp: 695
Ion Ratio Lower Upper
96 100
61 113.1 101.8 189.0
98 67.3 44.9 83.3



#22
cis-1,2-Dichloroethene
Concen: 2.167 ug/L
RT: 3.908 min Scan# 892
Delta R.T. -0.000 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

Tgt Ion: 96 Resp: 24949
Ion Ratio Lower Upper
96 100
61 130.4 96.9 180.1
68 0.0 0.0 0.0





#35

Methylcyclohexane

Concen: 0.952 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV027724.D

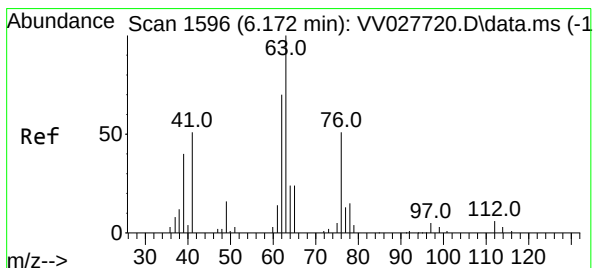
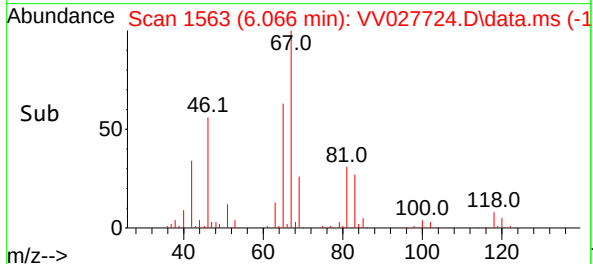
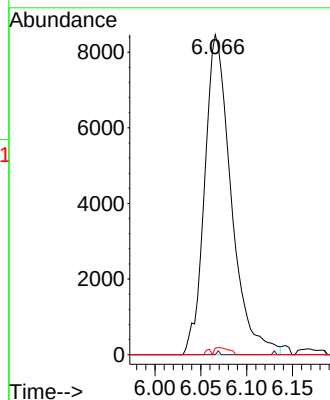
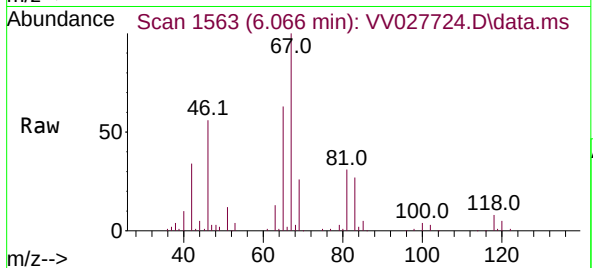
Acq: 02 Sep 2022 15:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	17055
Ion Ratio	Lower	Upper	
83	100		
55	0.1	66.0	99.0#
98	1.2	36.9	55.3#



#37

1,2-Dichloropropane

Concen: 0.700 ug/L

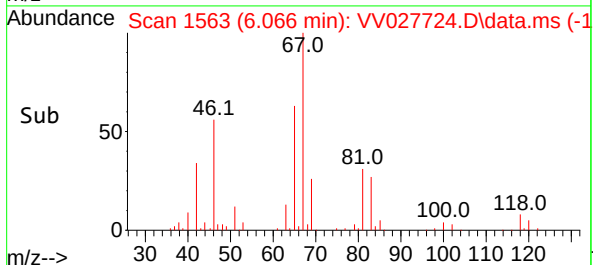
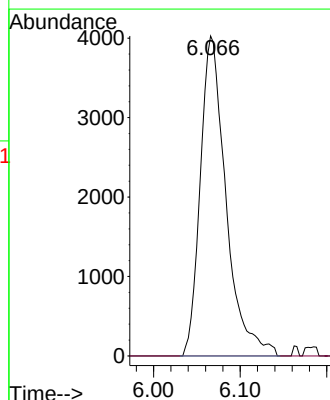
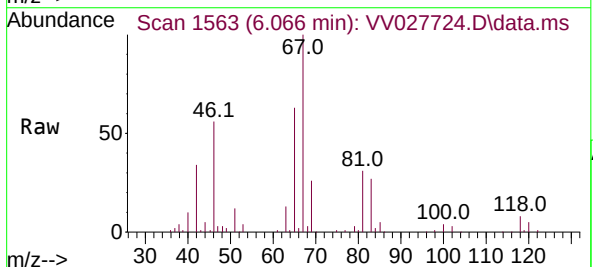
RT: 6.066 min Scan# 1563

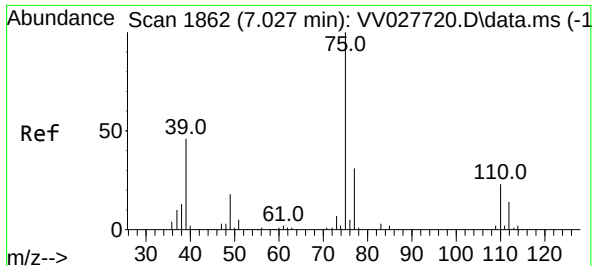
Delta R.T. -0.106 min

Lab File: VV027724.D

Acq: 02 Sep 2022 15:47

Tgt Ion:	63	Resp:	8302
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.9	4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV027724.D

Acq: 02 Sep 2022 15:47

Instrument :

MSVOA_V

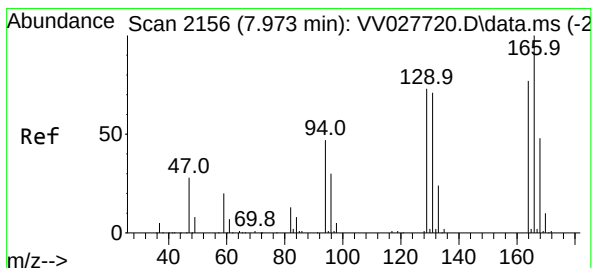
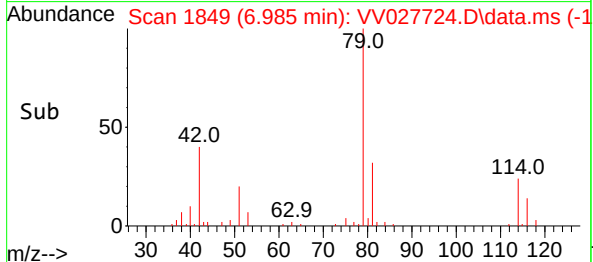
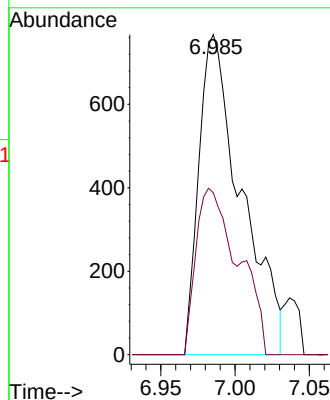
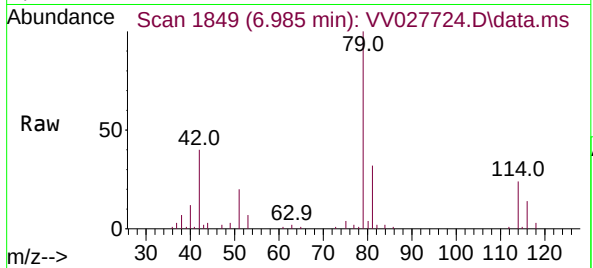
ClientSampleId :

Tgt Ion: 75 Resp: 1524

Ion Ratio Lower Upper

75 100

77 50.6 22.3 41.3#



#47

Tetrachloroethene

Concen: 0.083 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027724.D

Acq: 02 Sep 2022 15:47

Tgt Ion: 164 Resp: 775

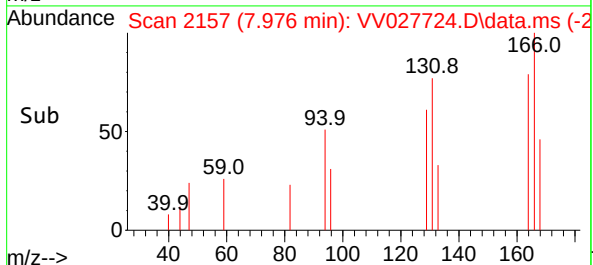
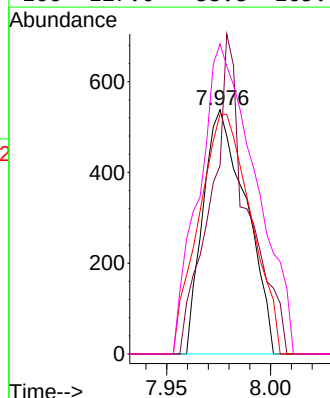
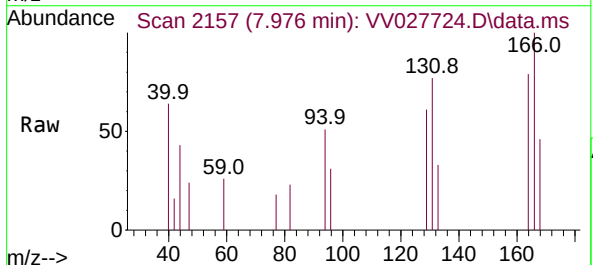
Ion Ratio Lower Upper

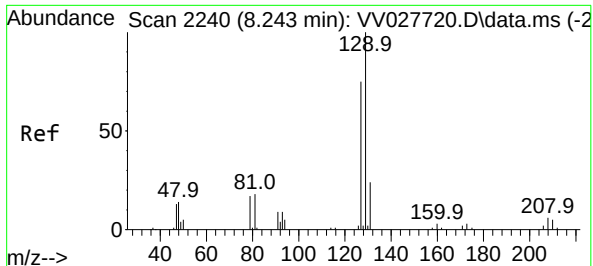
164 100

129 77.1 65.9 122.3

131 98.1 64.5 119.7

166 127.0 88.8 165.0





#49

Dibromochloromethane

Concen: 0.096 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV027724.D

Acq: 02 Sep 2022 15:47

Instrument :

MSVOA_V

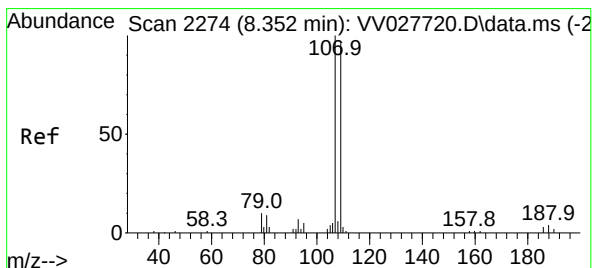
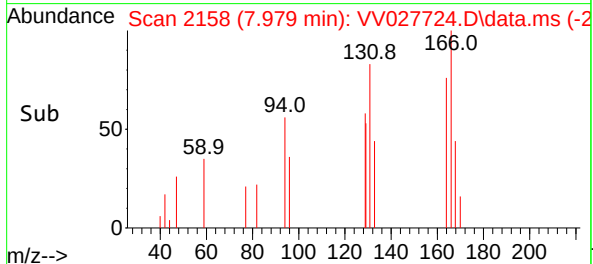
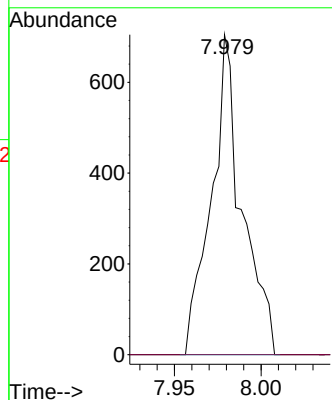
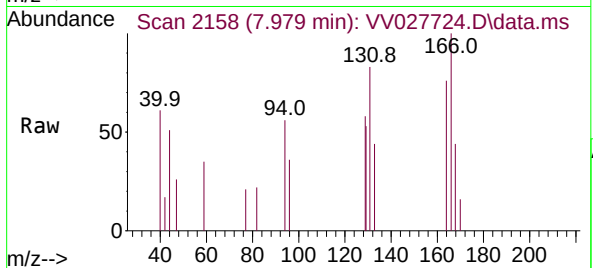
ClientSampleId :

Tgt Ion:129 Resp: 869

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#50

1,2-Dibromoethane

Concen: 0.076 ug/L

RT: 8.316 min Scan# 2263

Delta R.T. -0.036 min

Lab File: VV027724.D

Acq: 02 Sep 2022 15:47

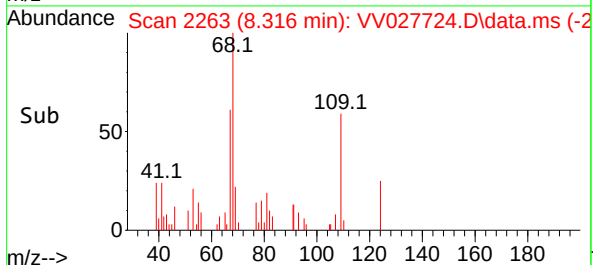
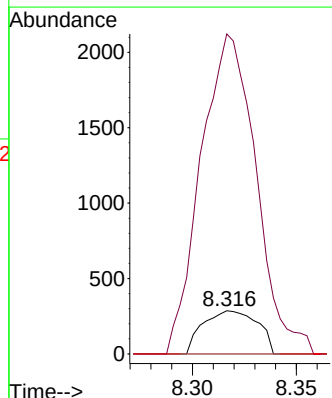
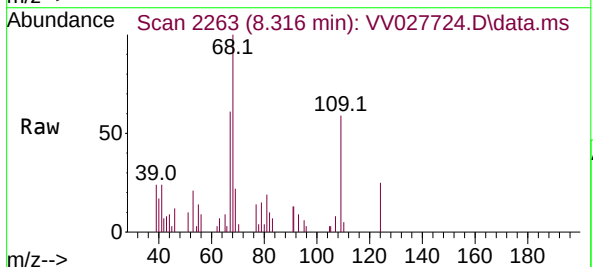
Tgt Ion:107 Resp: 522

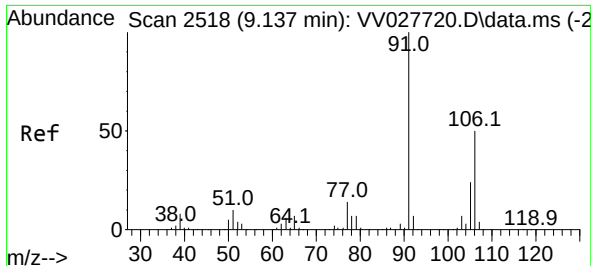
Ion Ratio Lower Upper

107 100

109 742.0 66.2 123.0#

188 0.0 2.6 3.8#

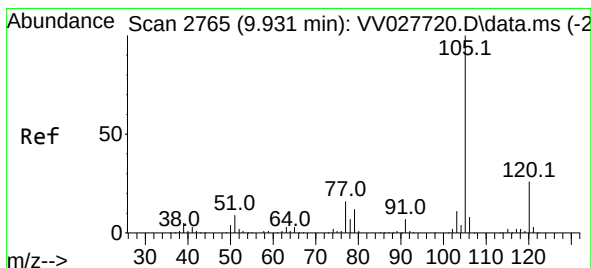
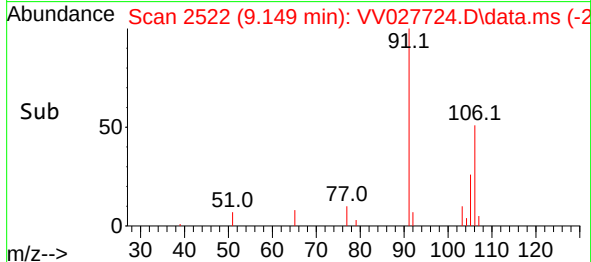
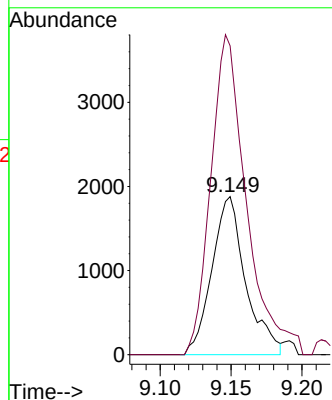
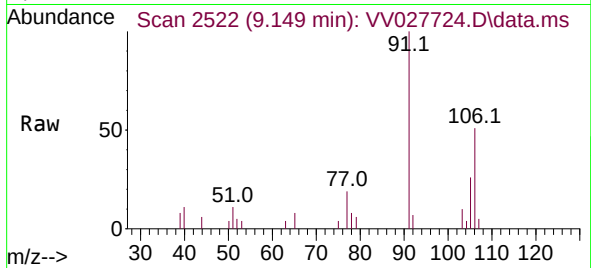




#53
m,p-Xylene
Concen: 0.171 ug/L
RT: 9.149 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

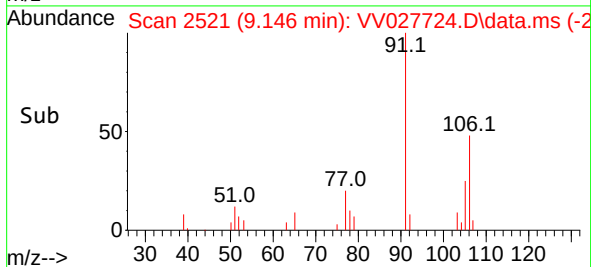
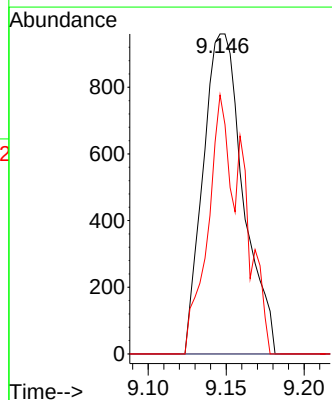
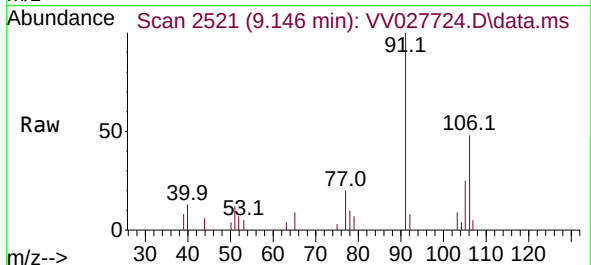
Instrument :
MSVOA_V
ClientSampleId :

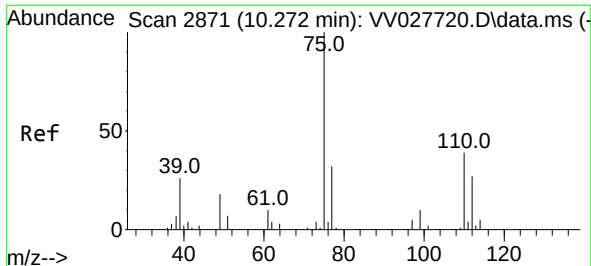
Tgt Ion:106 Resp: 3120
Ion Ratio Lower Upper
106 100
91 195.4 147.3 273.5



#60
Isopropylbenzene
Concen: 0.041 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. -0.785 min
Lab File: VV027724.D
Acq: 02 Sep 2022 15:47

Tgt Ion:105 Resp: 1720
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.4#
77 47.6 12.7 19.1#

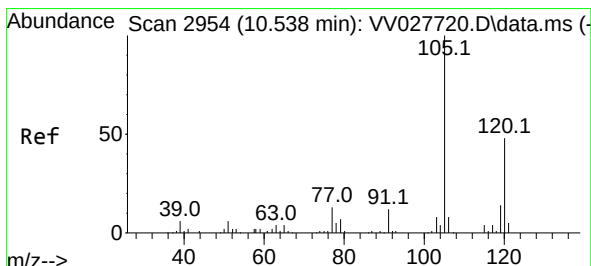
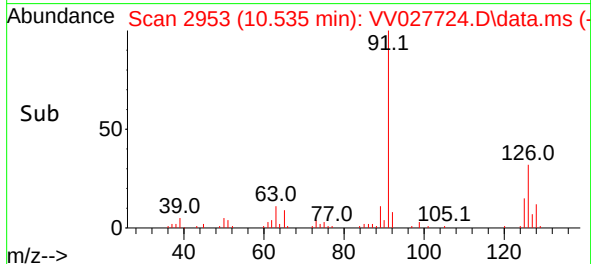
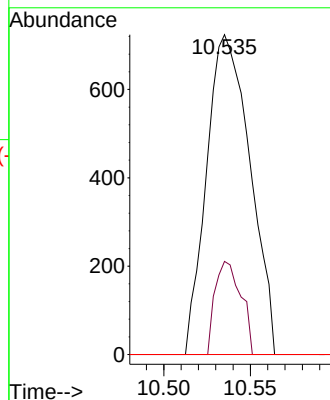
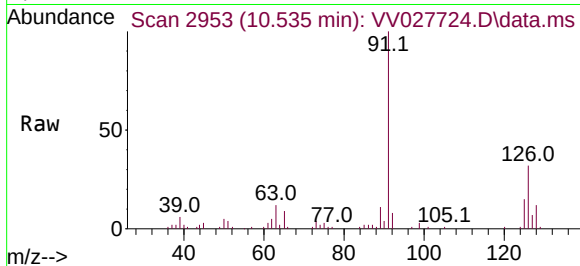




#61
 1,2,3-Trichloropropane
 Concen: 0.226 ug/L
 RT: 10.535 min Scan# 2953
 Delta R.T. 0.263 min
 Lab File: VV027724.D
 Acq: 02 Sep 2022 15:47

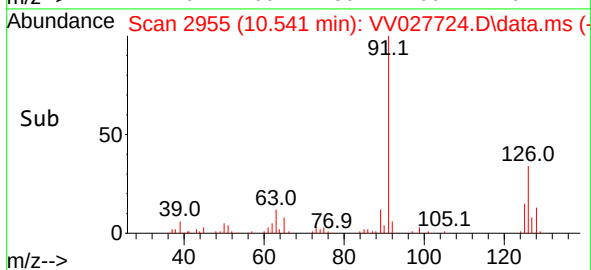
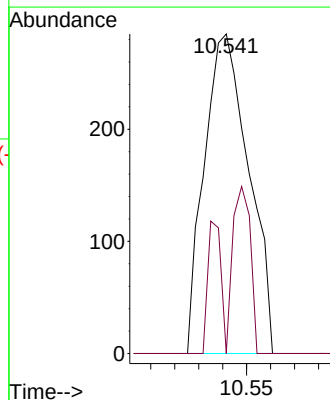
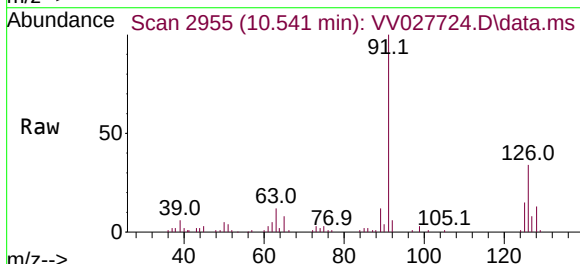
Instrument :
 MSVOA_V
 ClientSampleId :

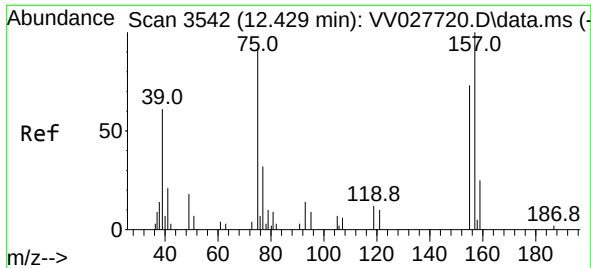
Tgt Ion: 75 Resp: 1265
 Ion Ratio Lower Upper
 75 100
 77 17.3 25.8 38.6#
 110 0.0 29.8 44.8#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.032 ug/L
 RT: 10.541 min Scan# 2955
 Delta R.T. 0.003 min
 Lab File: VV027724.D
 Acq: 02 Sep 2022 15:47

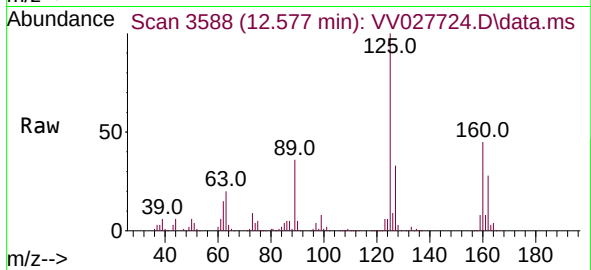
Tgt Ion: 105 Resp: 366
 Ion Ratio Lower Upper
 105 100
 120 20.8 40.4 60.6#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 13.330 ug/L
 RT: 12.577 min Scan# 31
 Delta R.T. 0.148 min
 Lab File: VV027724.D
 Acq: 02 Sep 2022 15:47

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 14871
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.4 84.6#
 157 1.6 74.9 112.3#

