

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090622\
 Data File : VW027751.D
 Acq On : 06 Sep 2022 19:16
 Operator : SY/MD
 Sample : N4404-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBVC0

Quant Time: Sep 07 06:28:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	144201	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.850	117	150943	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	50161	5.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.600%
7) Chloroethane-d5	1.568	69	45074	5.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.800%
11) 1,1-Dichloroethene-d2	2.105	63	79993	3.966	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	3.902	46	49242	23.376	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	46.760%
24) Chloroform-d	4.346	84	99467	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.027	65	48292	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.047	84	183748	4.196	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.066	67	52401	4.087	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.313	98	145080	3.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.625	79	16598	3.859	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.091	63	64671	40.450	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.900%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	37640	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	57670	5.013	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	776	0.060	ug/L #	74
5) Vinyl chloride	1.310	62	7121	0.549	ug/L	83
6) Bromomethane	1.523	94	643	0.092	ug/L	81
8) Chloroethane	1.307	64	2706	0.363	ug/L	88
14) Carbon disulfide	2.294	76	2849	0.100	ug/L #	95
22) cis-1,2-Dichloroethene	3.912	96	27556	2.505	ug/L #	90
25) Chloroform	4.371	83	2869	0.137	ug/L	99
27) 1,2-Dichloroethane	5.053	62	1010	0.079	ug/L #	75
33) Benzene	5.101	78	2963	0.059	ug/L	100
34) Trichloroethene	5.921	95	4911	0.394	ug/L	96
35) Methylcyclohexane	6.066	83	13933	0.727	ug/L #	19
37) 1,2-Dichloropropane	6.066	63	6152	0.520	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	1288	0.086	ug/L #	42
45) 1,1,2-Trichloroethane	7.969	97	520	0.068	ug/L #	37
47) Tetrachloroethene	7.973	164	66411	6.632	ug/L	97
49) Dibromochloromethane	7.973	129	49568	5.094	ug/L #	10
50) 1,2-Dibromoethane	8.371	107	262	0.038	ug/L #	96
52) Ethylbenzene	9.140	91	189239	3.779	ug/L #	65
53) m,p-Xylene	9.140	106	95222	4.834	ug/L	96

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Quant Time: Sep 07 06:28:56 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 07 06:13:02 2022
Response via : Initial Calibration

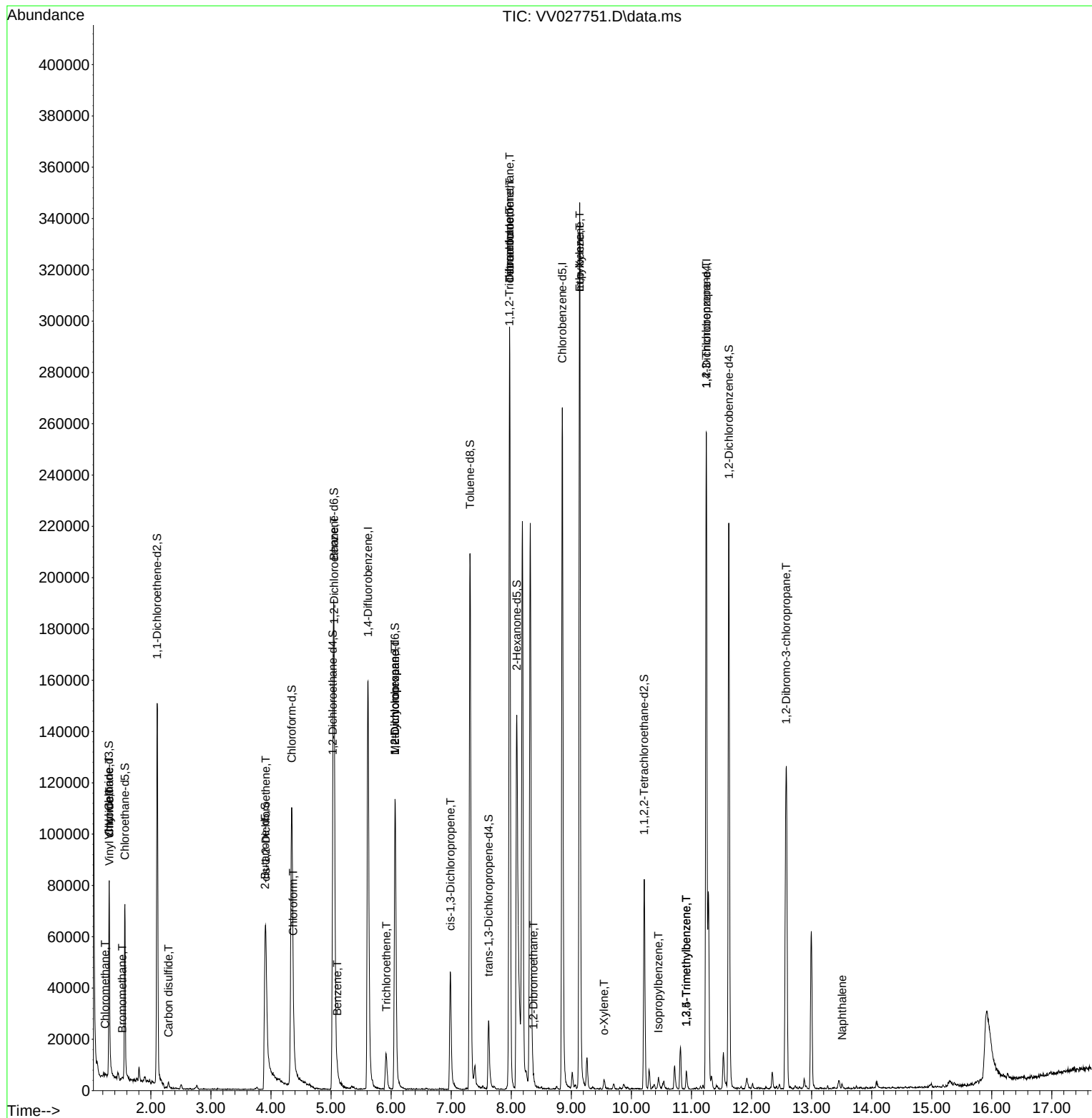
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.545	106	1158	0.062	ug/L	98
60) Isopropylbenzene	10.452	105	2906	0.066	ug/L #	79
61) 1,2,3-Trichloropropane	11.246	75	7211	1.300	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.915	105	4178	0.339	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	4178	0.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.577	75	3097	2.601	ug/L #	1
71) Naphthalene	13.509	128	1812	0.087	ug/L #	95

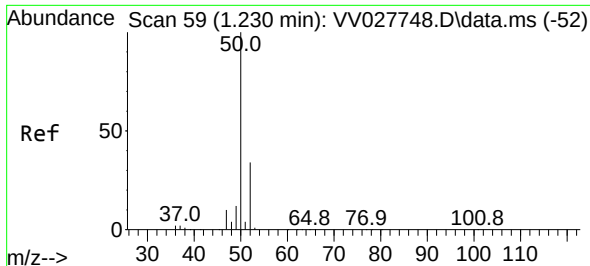
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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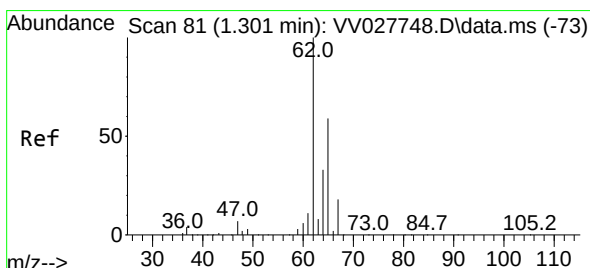
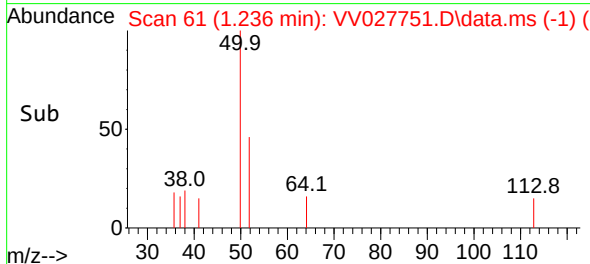
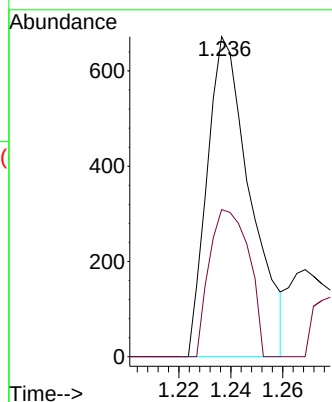
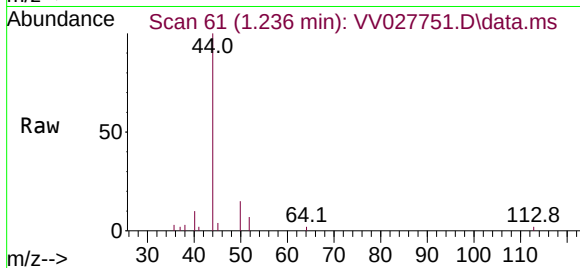




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.007 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

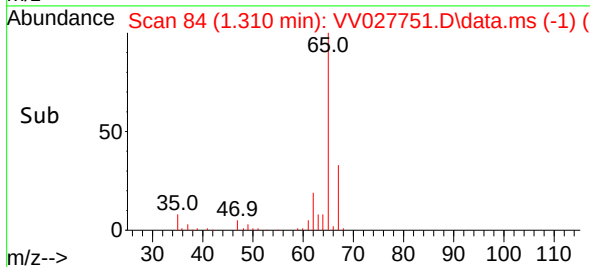
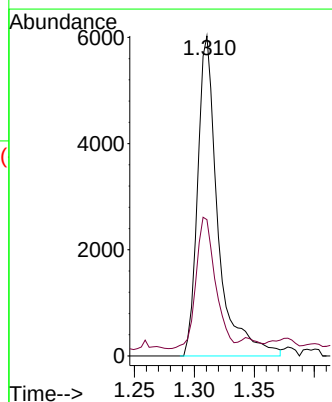
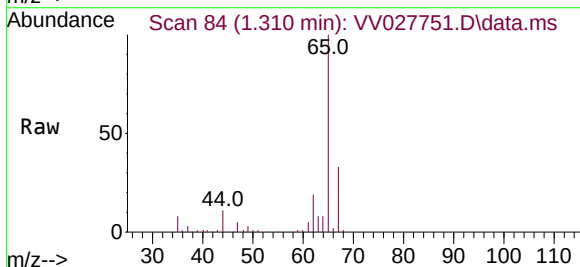
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

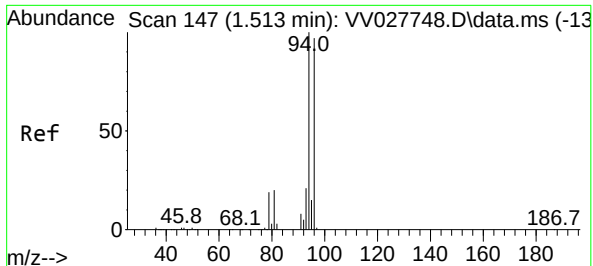
Tgt Ion: 50 Resp: 776
Ion Ratio Lower Upper
50 100
52 46.0 22.1 41.1#



#5
Vinyl chloride
Concen: 0.549 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.010 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 62 Resp: 7121
Ion Ratio Lower Upper
62 100
64 42.6 23.2 43.2

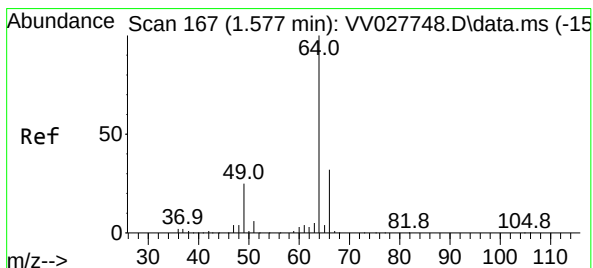
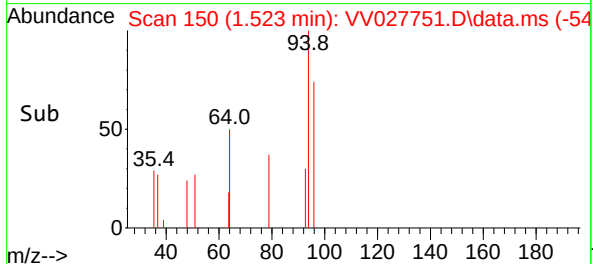
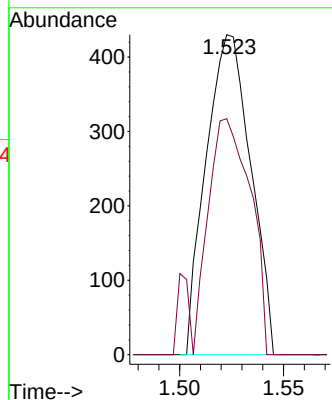
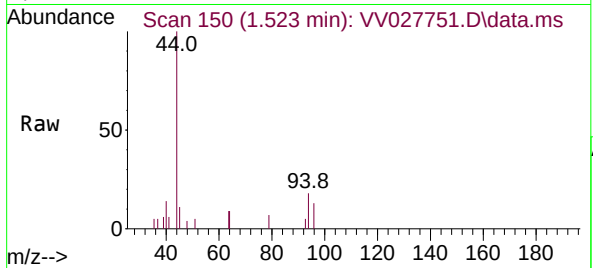




#6
Bromomethane
Concen: 0.092 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

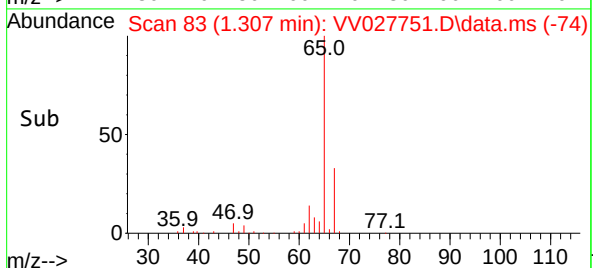
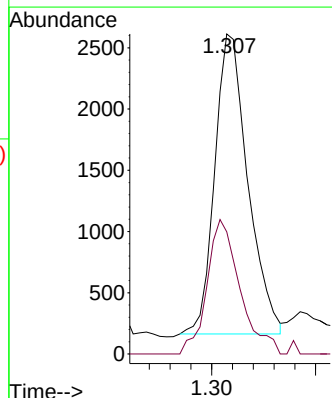
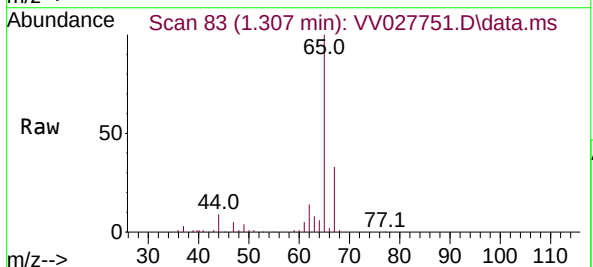
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

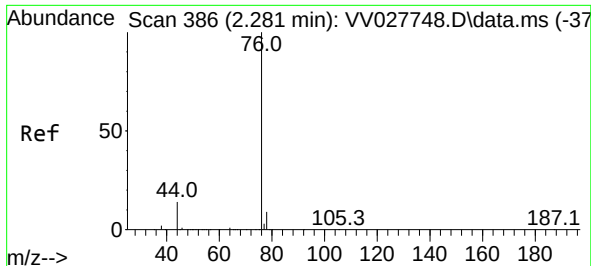
Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 73.7 64.2 119.2



#8
Chloroethane
Concen: 0.363 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.270 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 64 Resp: 2706
Ion Ratio Lower Upper
64 100
66 38.2 22.1 41.1

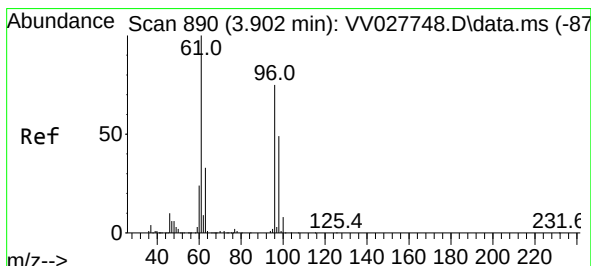
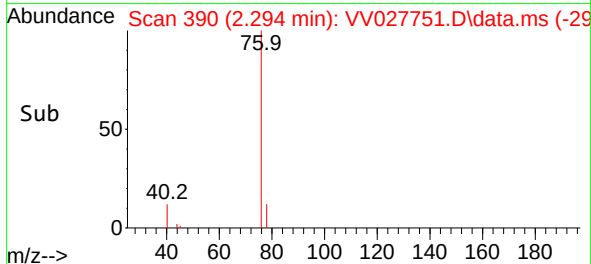
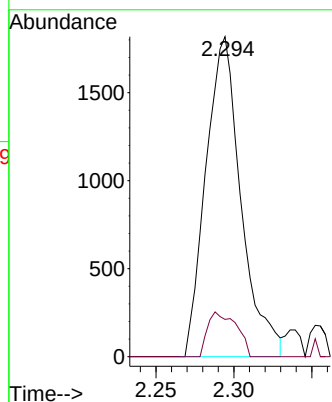
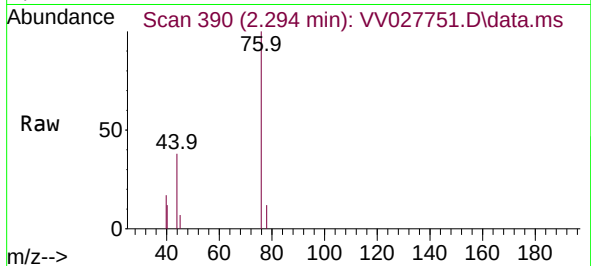




#14
Carbon disulfide
Concen: 0.100 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.013 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

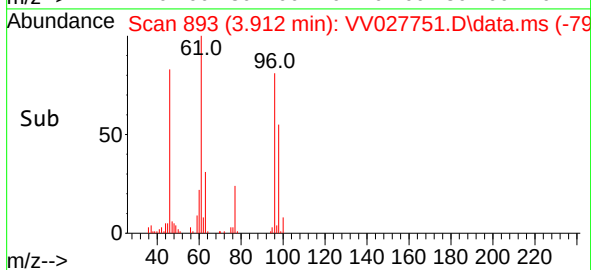
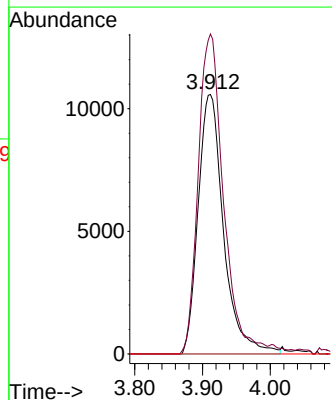
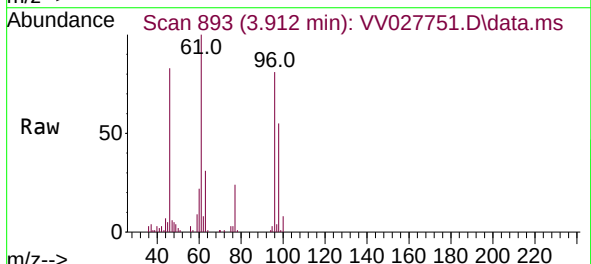
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

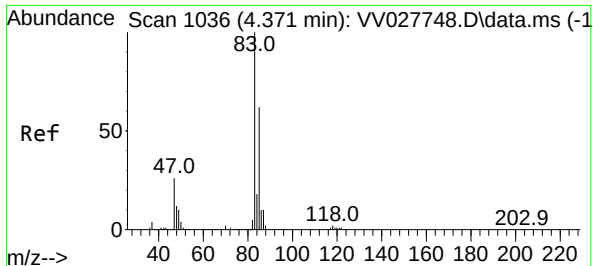
Tgt Ion: 76 Resp: 2849
Ion Ratio Lower Upper
76 100
78 11.6 7.7 11.5#



#22
cis-1,2-Dichloroethene
Concen: 2.505 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.010 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 96 Resp: 27556
Ion Ratio Lower Upper
96 100
61 123.3 94.6 175.6
68 0.0 0.3 0.5#

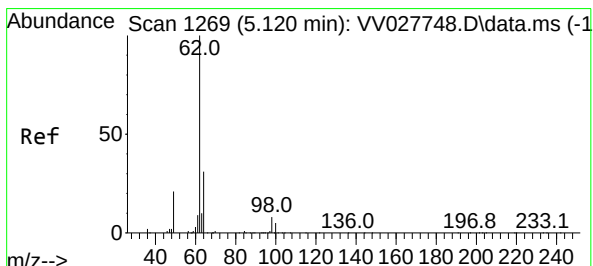
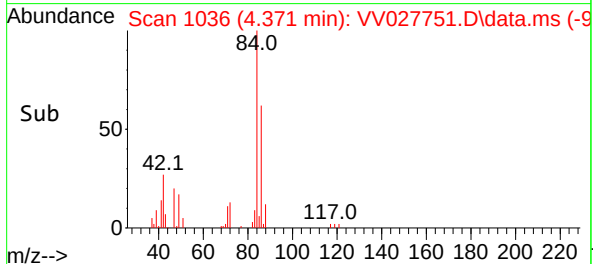
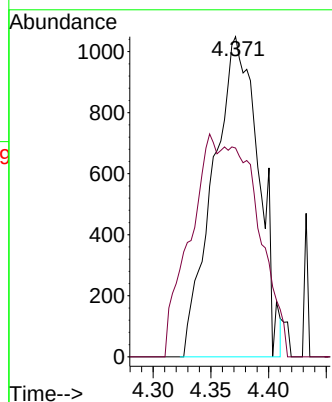
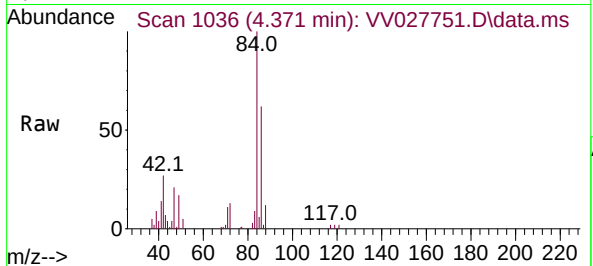




#25
Chloroform
Concen: 0.137 ug/L
RT: 4.371 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

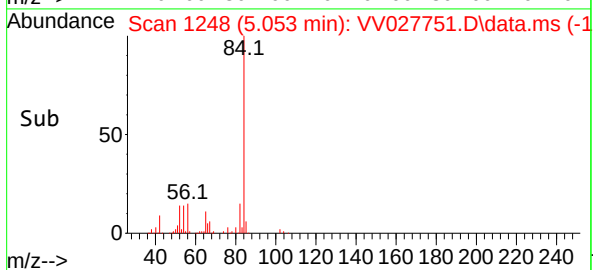
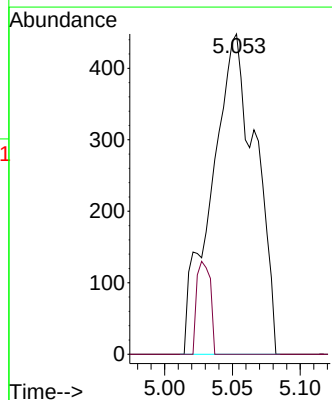
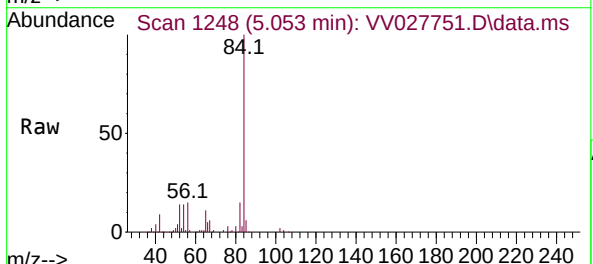
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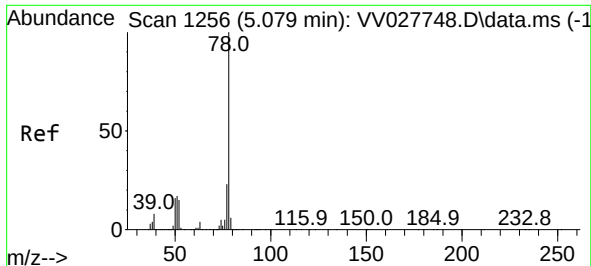
Tgt Ion: 83 Resp: 2869
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.079 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.067 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 62 Resp: 1010
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#

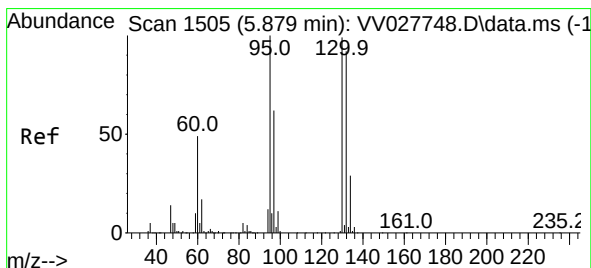
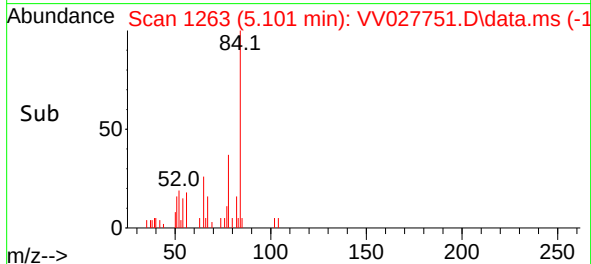
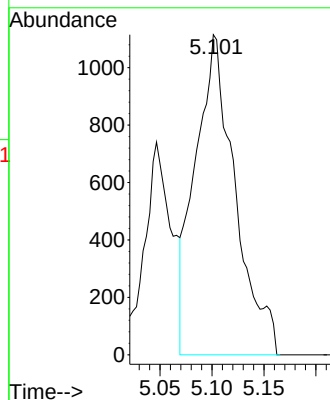
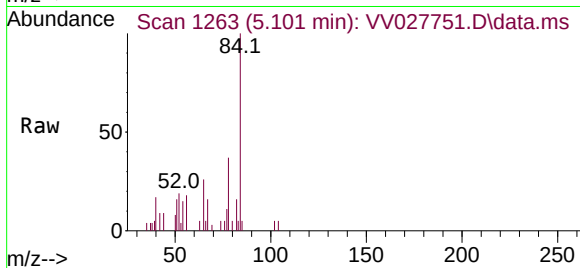




#33
Benzene
Concen: 0.059 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.023 min
Lab File: VV027751.D
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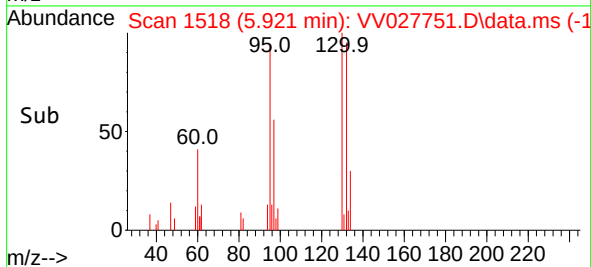
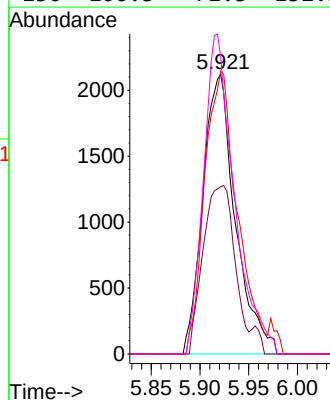
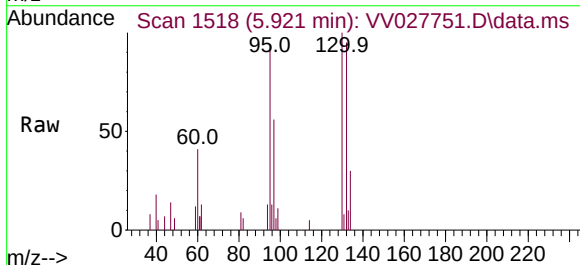
Tgt Ion: 78 Resp: 2963

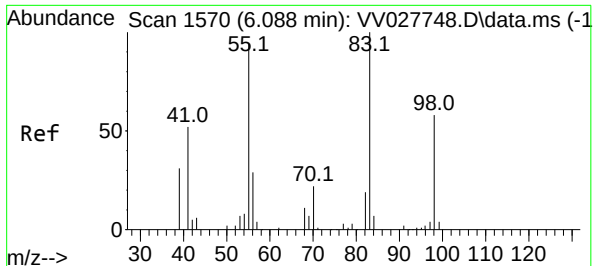


#34
Trichloroethene
Concen: 0.394 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.042 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 95 Resp: 4911

Ion	Ratio	Lower	Upper
95	100		
97	59.8	42.9	79.7
132	101.2	67.9	126.1
130	106.3	71.3	132.3





#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.022 min

Lab File: VV027751.D

Acq: 06 Sep 2022 19:16

Instrument :

MSVOA_V

ClientSampleId :

DBVC0

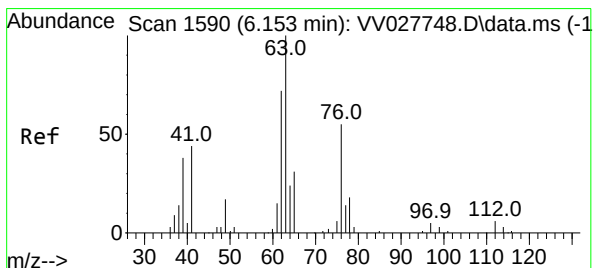
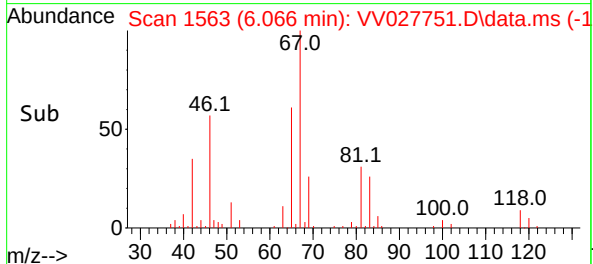
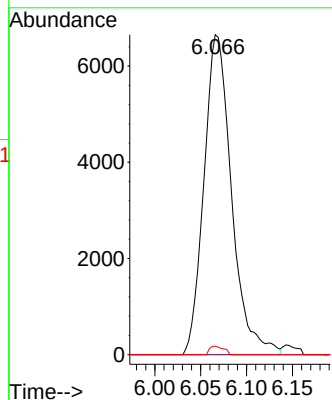
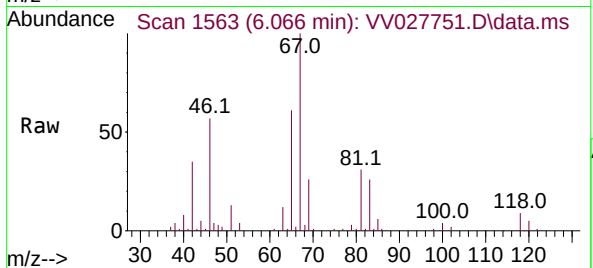
Tgt Ion: 83 Resp: 13933

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 1.4 37.5 56.3#



#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.087 min

Lab File: VV027751.D

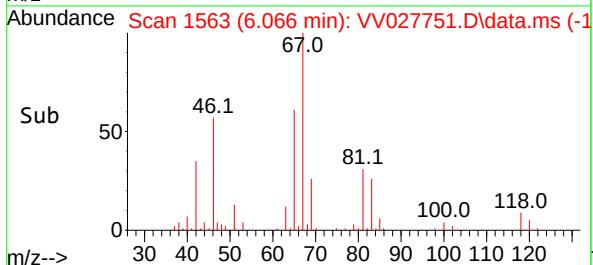
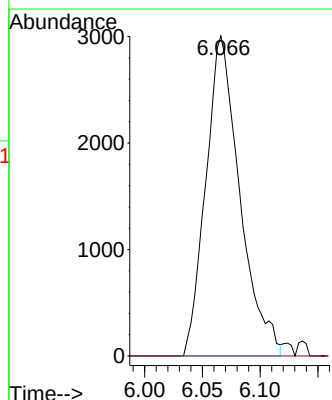
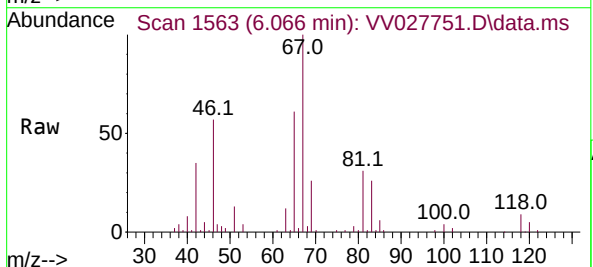
Acq: 06 Sep 2022 19:16

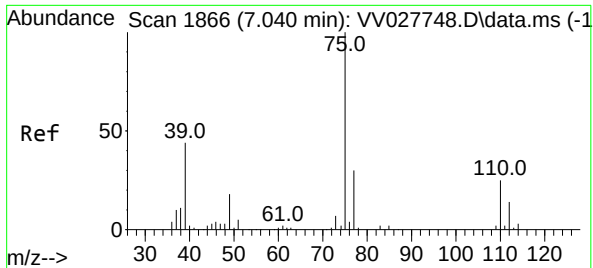
Tgt Ion: 63 Resp: 6152

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.051 min

Lab File: VV027751.D

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ClientSampleId :

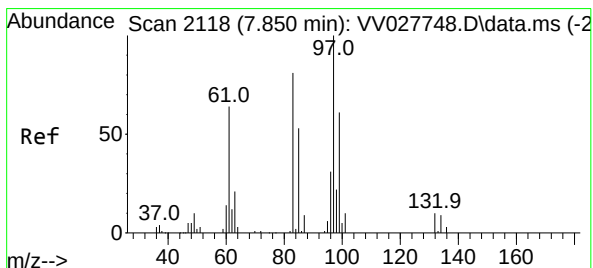
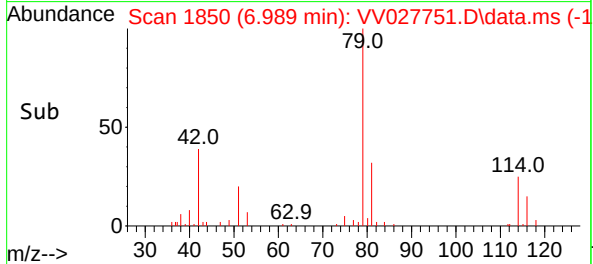
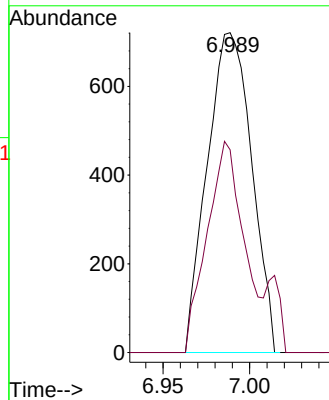
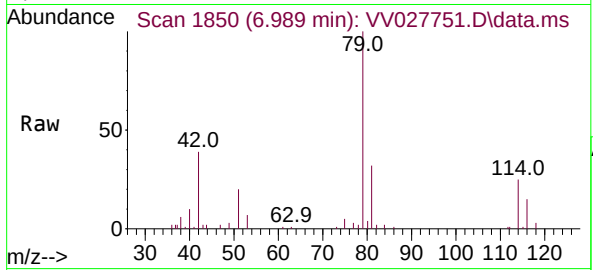
DBVC0

Tgt Ion: 75 Resp: 1288

Ion Ratio Lower Upper

75 100

77 63.4 22.0 40.8#



#45

1,1,2-Trichloroethane

Concen: 0.068 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.119 min

Lab File: VV027751.D

Acq: 06 Sep 2022 19:16

Tgt Ion: 97 Resp: 520

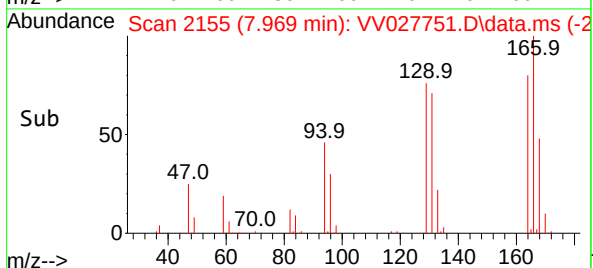
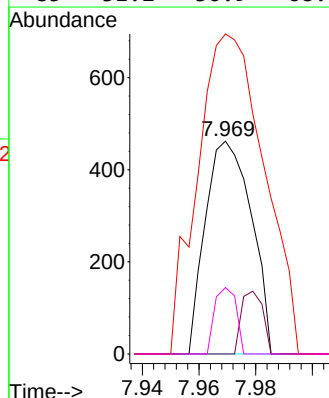
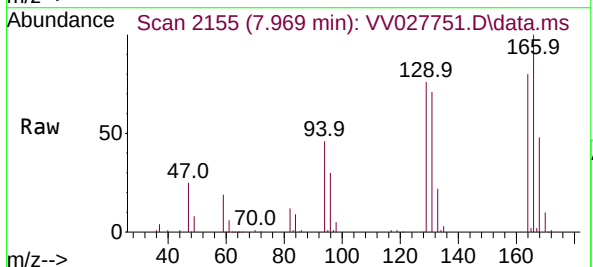
Ion Ratio Lower Upper

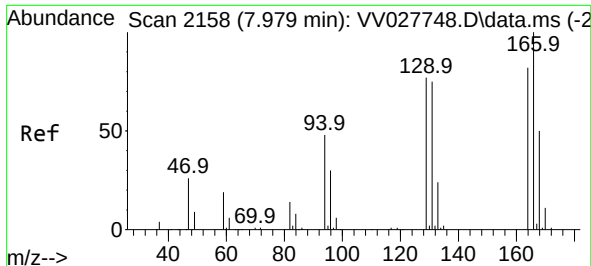
97 100

99 0.0 44.2 82.0#

83 150.4 60.3 112.1#

85 31.2 36.9 68.5#

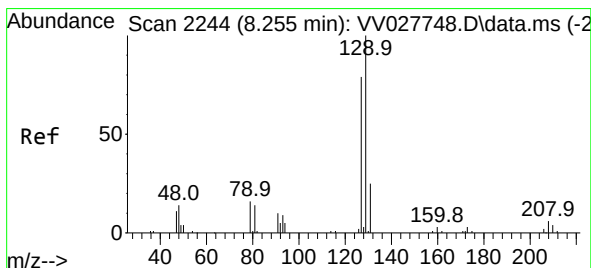
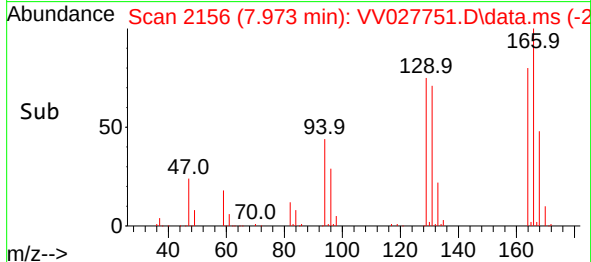
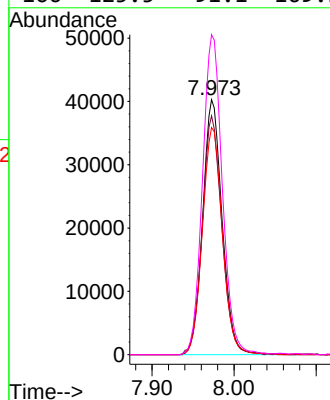
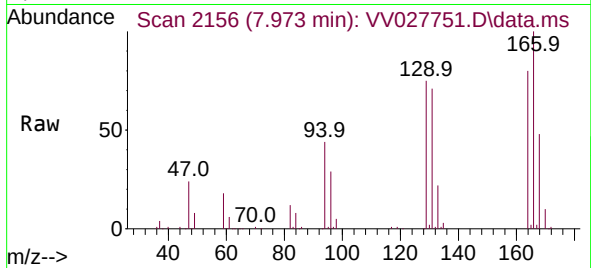




#47
Tetrachloroethene
Concen: 6.632 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.006 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

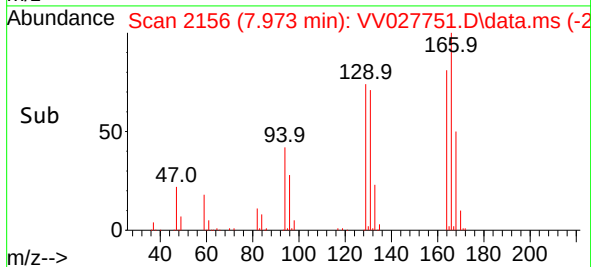
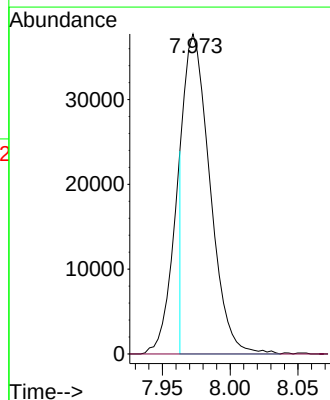
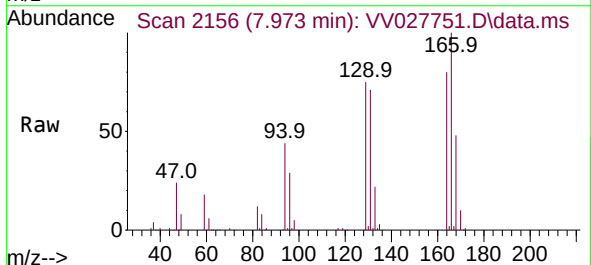
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

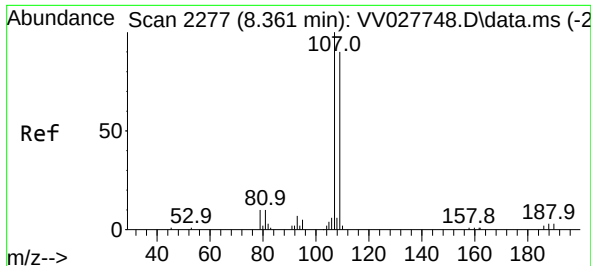
Tgt Ion:164 Resp: 66411
Ion Ratio Lower Upper
164 100
129 93.7 67.2 124.8
131 89.1 61.5 114.3
166 125.5 91.1 169.3



#49
Dibromochloromethane
Concen: 5.094 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.283 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion:129 Resp: 49568
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#





#50

1,2-Dibromoethane

Concen: 0.038 ug/L

RT: 8.371 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV027751.D

Acq: 06 Sep 2022 19:16

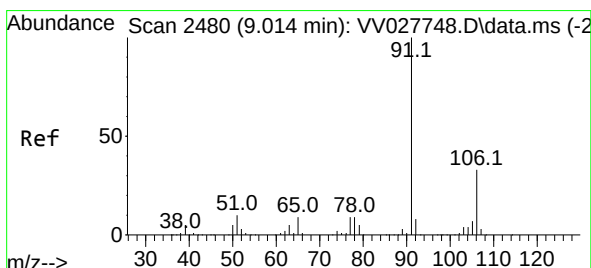
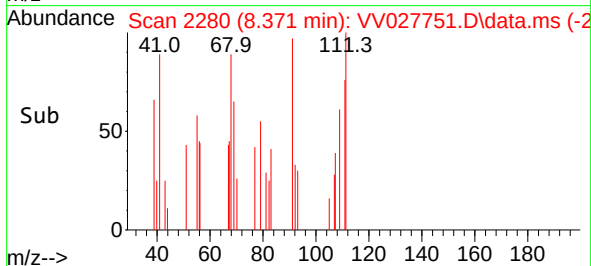
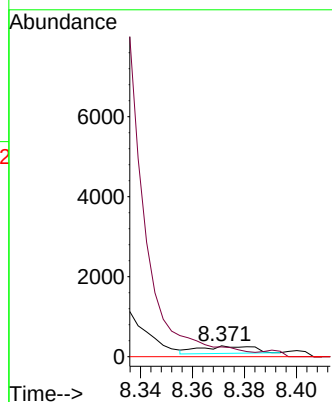
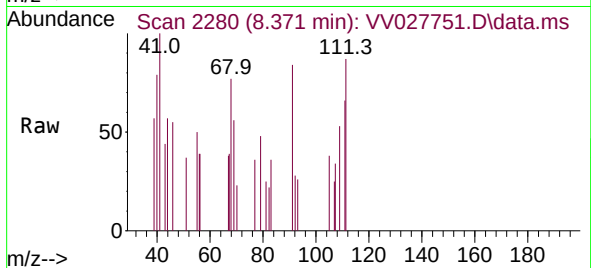
Instrument :

MSVOA_V

ClientSampleId :

DBVC0

Tgt Ion:107	Resp:	262
Ion Ratio	Lower	Upper
107	100	
109	90.4	65.9 122.5
188	0.0	3.1 4.7#



#52

Ethylbenzene

Concen: 3.779 ug/L

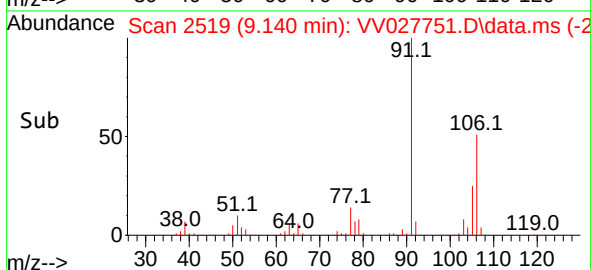
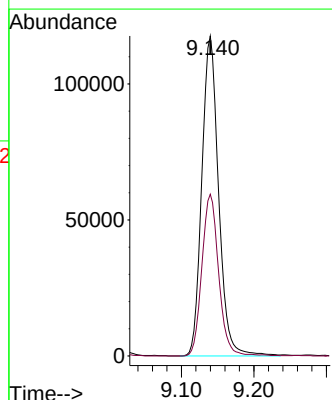
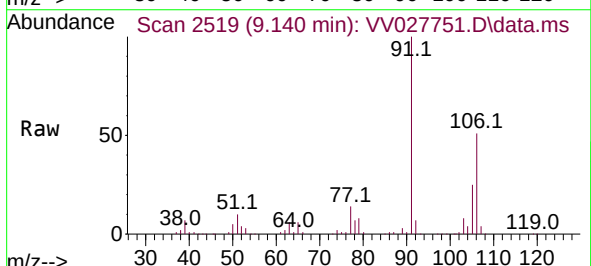
RT: 9.140 min Scan# 2519

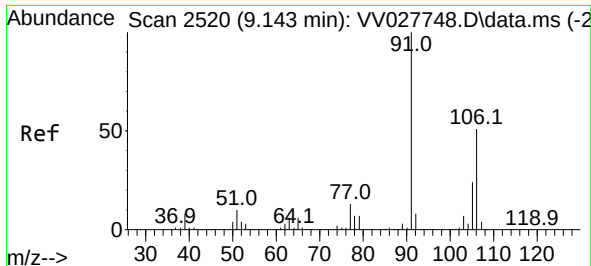
Delta R.T. 0.125 min

Lab File: VV027751.D

Acq: 06 Sep 2022 19:16

Tgt Ion: 91	Resp:	189239
Ion Ratio	Lower	Upper
91	100	
106	50.6	22.0 40.8#

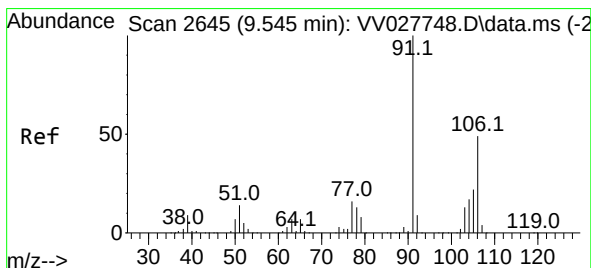
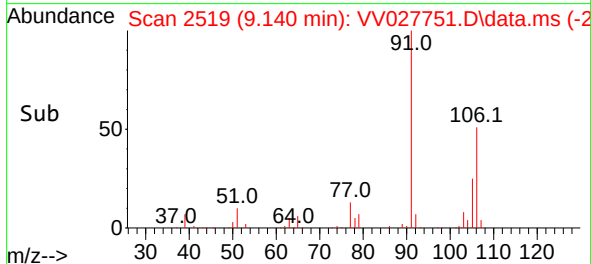
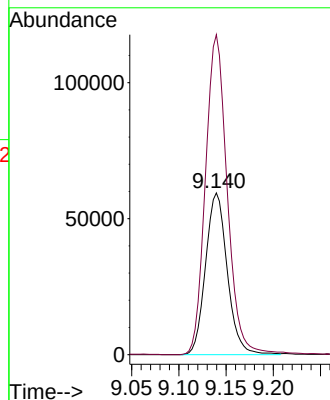
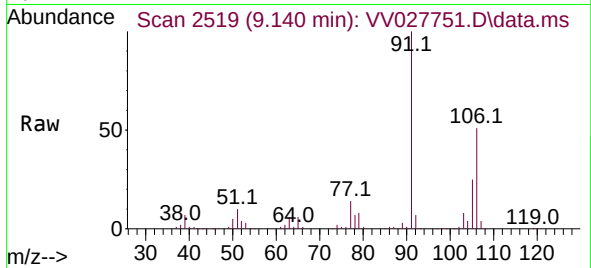




#53
m,p-Xylene
Concen: 4.834 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

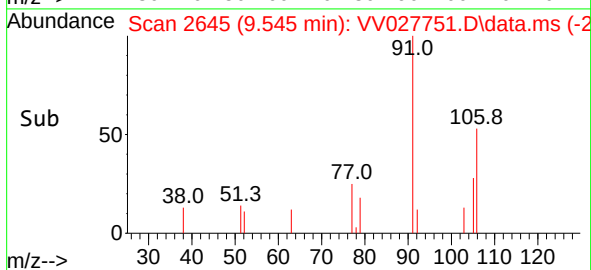
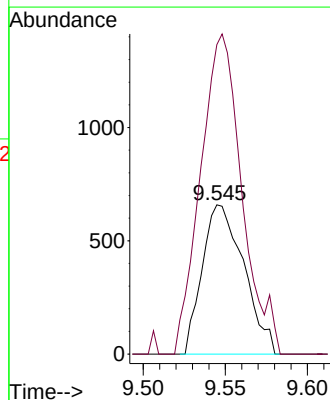
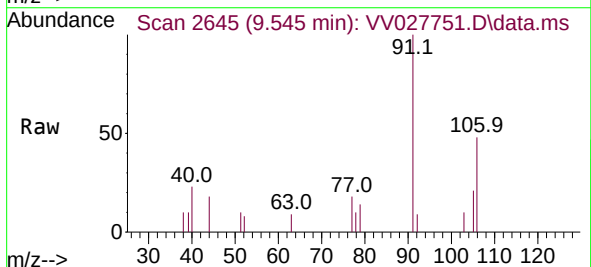
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

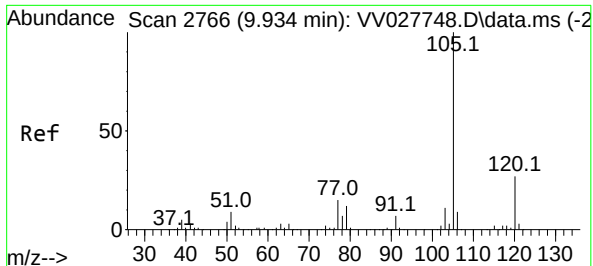
Tgt Ion:106 Resp: 95222
Ion Ratio Lower Upper
106 100
91 197.8 142.4 264.4



#54
o-Xylene
Concen: 0.062 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion:106 Resp: 1158
Ion Ratio Lower Upper
106 100
91 207.3 147.5 273.9

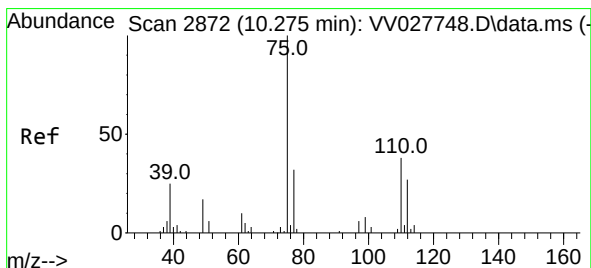
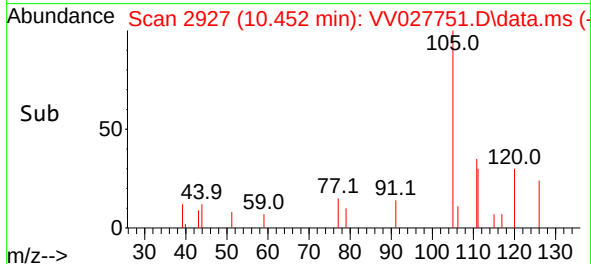
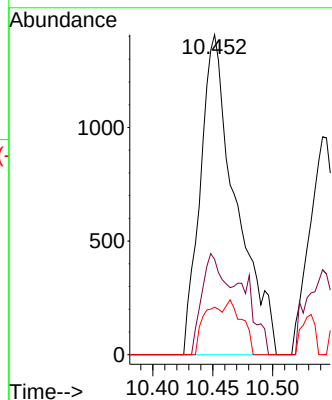
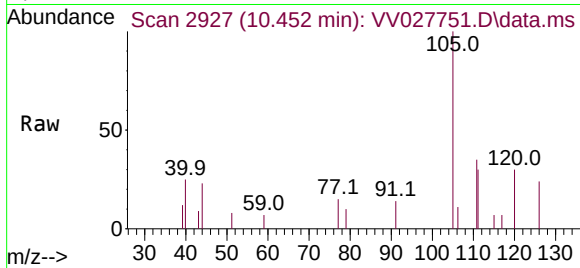




#60
Isopropylbenzene
Concen: 0.066 ug/L
RT: 10.452 min Scan# 2906
Delta R.T. 0.518 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

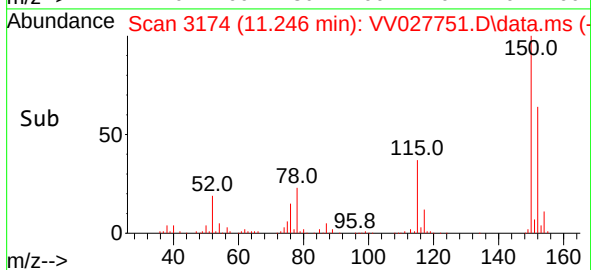
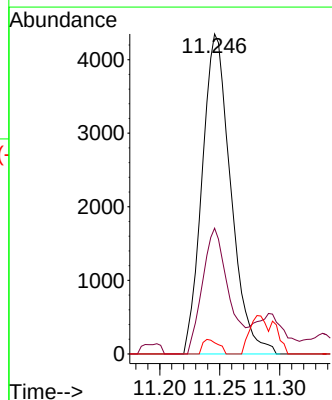
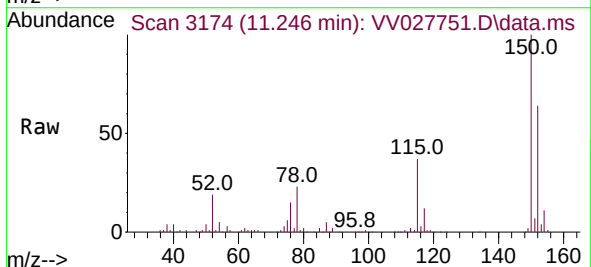
Instrument :
MSVOA_V
ClientSampleId :
DBVC0

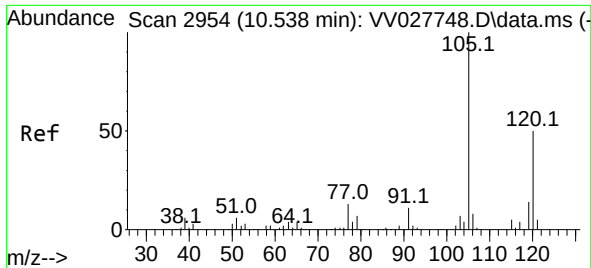
Tgt Ion:105 Resp: 2906
Ion Ratio Lower Upper
105 100
120 21.1 21.3 31.9#
77 0.0 12.6 18.8#



#61
1,2,3-Trichloropropane
Concen: 1.300 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 75 Resp: 7211
Ion Ratio Lower Upper
75 100
77 35.8 27.6 41.4
110 2.5 35.6 53.4#

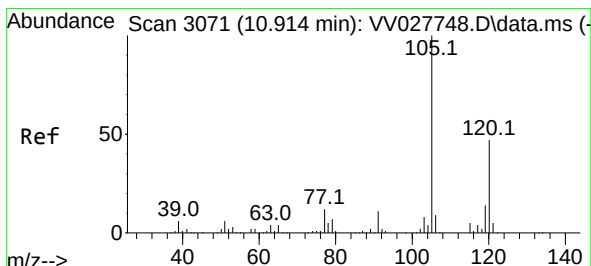
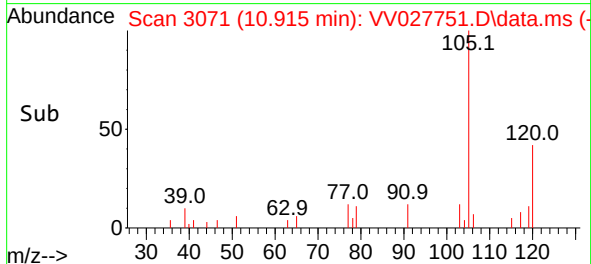
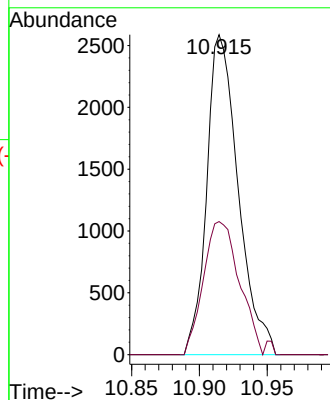
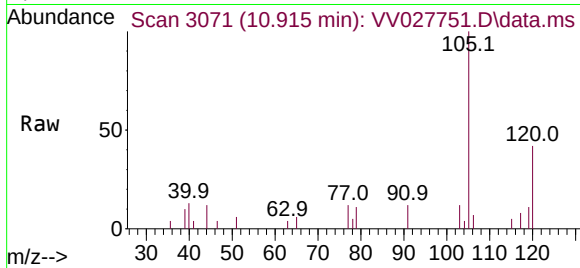




#62
 1,3,5-Trimethylbenzene
 Concen: 0.339 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.376 min
 Lab File: VV027751.D
 Acq: 06 Sep 2022 19:16

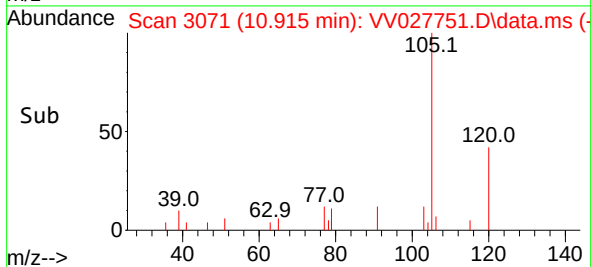
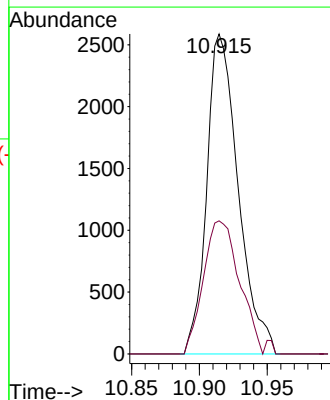
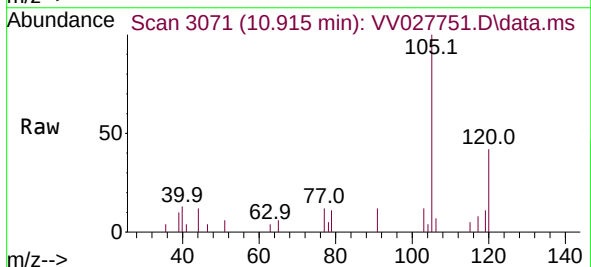
Instrument :
 MSVOA_V
 ClientSampleId :
 DBVC0

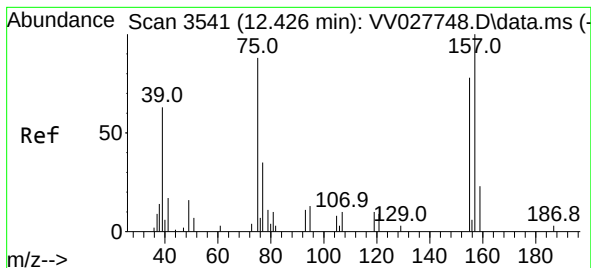
Tgt Ion:105 Resp: 4178
 Ion Ratio Lower Upper
 105 100
 120 47.6 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 0.119 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV027751.D
 Acq: 06 Sep 2022 19:16

Tgt Ion:105 Resp: 4178
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.4 56.0

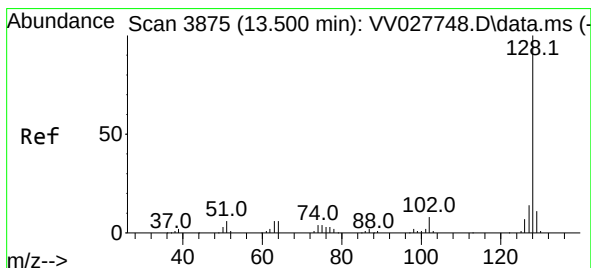
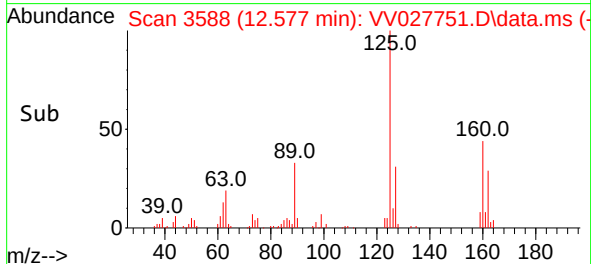
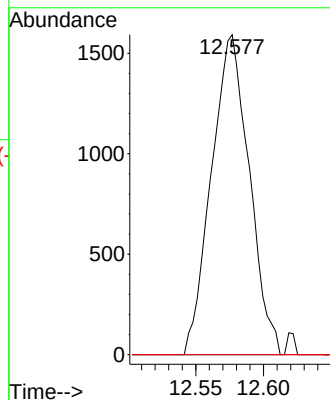
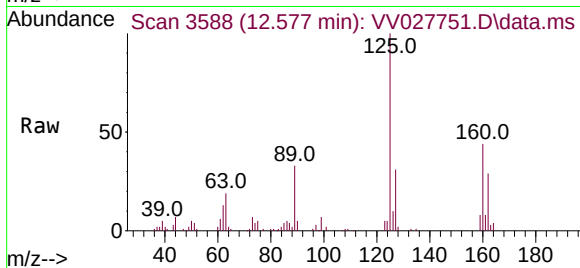




#68
1,2-Dibromo-3-chloropropane
Concen: 2.601 ug/L
RT: 12.577 min Scan# 3588
Delta R.T. 0.151 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Instrument :
MSVOA_V
ClientSampleId :
DBVC0

Tgt Ion: 75 Resp: 3097
Ion Ratio Lower Upper
75 100
155 0.0 71.9 107.9#
157 0.0 95.1 142.7#



#71
Naphthalene
Concen: 0.087 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV027751.D
Acq: 06 Sep 2022 19:16

Tgt Ion: 128 Resp: 1812
Ion Ratio Lower Upper
128 100
129 8.7 9.2 13.8#
127 11.9 10.6 16.0

