

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090122\
 Data File : VV027699.D
 Acq On : 02 Sep 2022 05:05
 Operator : SY/MD
 Sample : N4402-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 04:12:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 02 03:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	131744	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	130802	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	60088	4.198	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.568	69	54033	4.512	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.108	63	91721	3.274	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	3.896	46	60793	25.123	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.240%
24) Chloroform-d	4.346	84	123410	4.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	5.031	65	56203	4.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.047	84	230634	4.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.066	67	68280	4.120	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.313	98	186292	4.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.625	79	19048	3.731	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.088	63	78072	40.664	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.320%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	44042	4.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	70994	5.417	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	739	0.043	ug/L #	62
5) Vinyl chloride	1.310	62	26793	1.637	ug/L	97
6) Bromomethane	1.519	94	614	0.080	ug/L #	65
8) Chloroethane	1.494	64	5725	0.626	ug/L #	49
12) 1,1-Dichloroethene	2.108	96	1009	0.092	ug/L #	1
14) Carbon disulfide	2.291	76	3066	0.088	ug/L #	81
18) trans-1,2-Dichloroethene	2.764	96	449	0.036	ug/L #	42
22) cis-1,2-Dichloroethene	3.908	96	53644	4.312	ug/L	90
33) Benzene	5.105	78	2461	0.048	ug/L	100
37) 1,2-Dichloropropane	6.066	63	8130	0.631	ug/L #	89
39) cis-1,3-Dichloropropene	6.985	75	1500	0.095	ug/L #	59
47) Tetrachloroethene	7.976	164	3475	0.342	ug/L	87
49) Dibromochloromethane	7.979	129	3195	0.325	ug/L #	12
50) 1,2-Dibromoethane	8.381	107	557	0.075	ug/L #	71
52) Ethylbenzene	9.014	91	6054	0.117	ug/L	95
53) m,p-Xylene	9.140	106	30834	1.554	ug/L	96
54) o-Xylene	9.545	106	1804	0.095	ug/L	93
61) 1,2,3-Trichloropropane	11.249	75	6754	1.140	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.918	105	2999	0.248	ug/L	97

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QLast Update : Fri Sep 02 03:03:49 2022
Response via : Initial Calibration

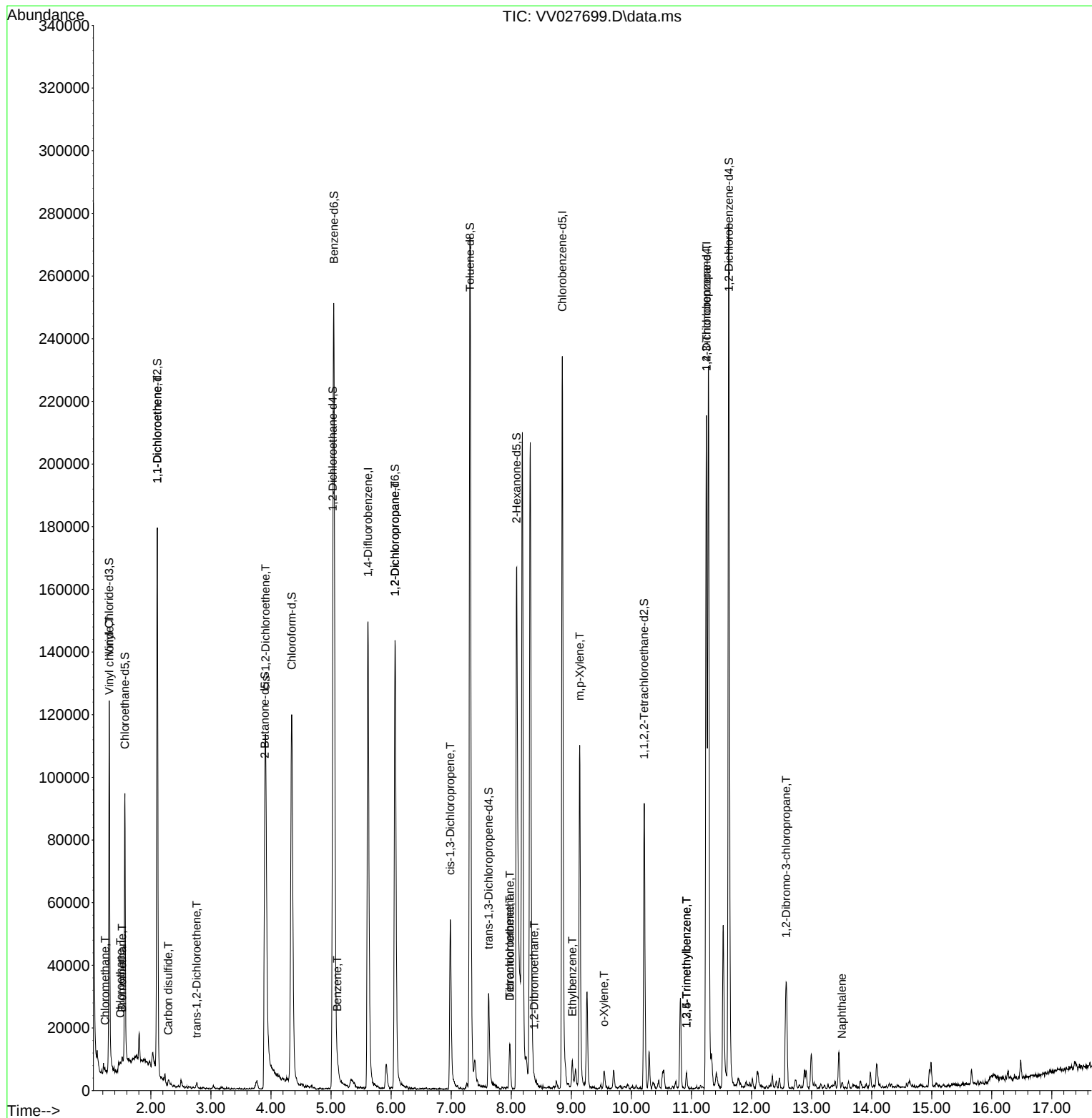
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.918	105	2999	0.086	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.577	75	860	0.729	ug/L #	8
71) Naphthalene	13.506	128	2079	0.117	ug/L #	93

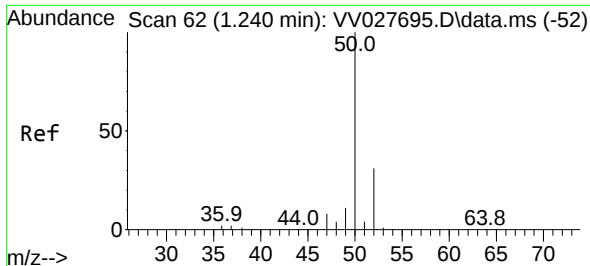
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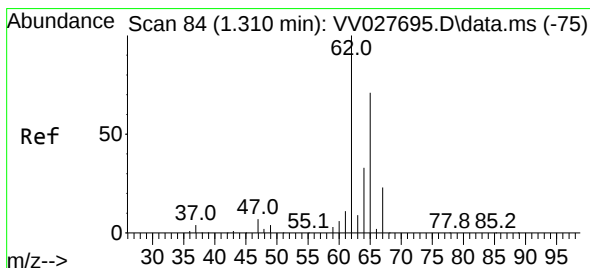
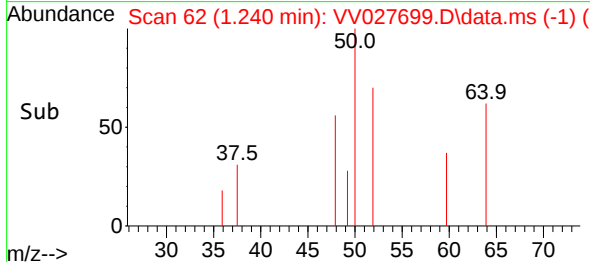
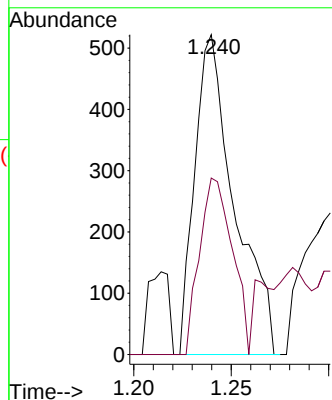
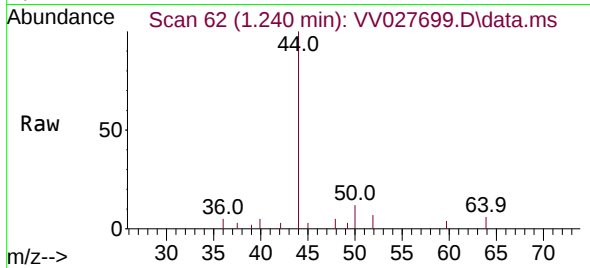




#3
Chloromethane
Concen: 0.043 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

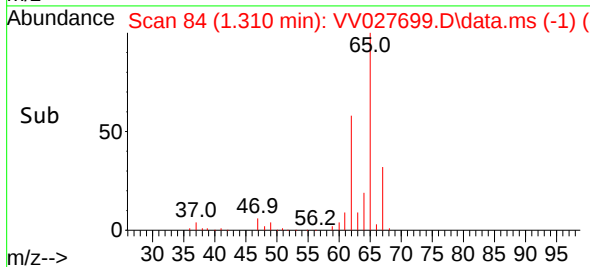
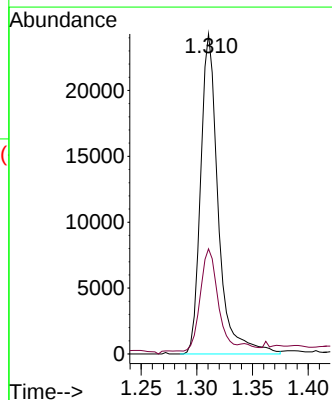
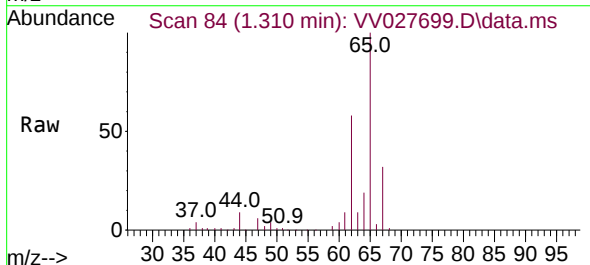
Instrument :
MSVOA_V
ClientSampleId :

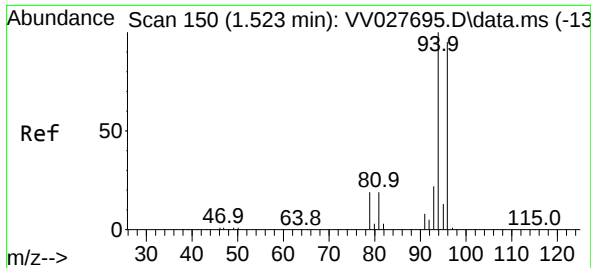
Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 55.2 23.5 43.7#



#5
Vinyl chloride
Concen: 1.637 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Tgt Ion: 62 Resp: 26793
Ion Ratio Lower Upper
62 100
64 32.9 21.8 40.4

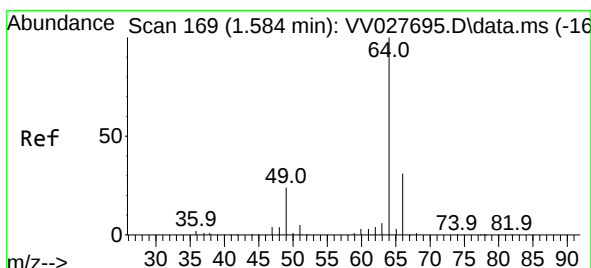
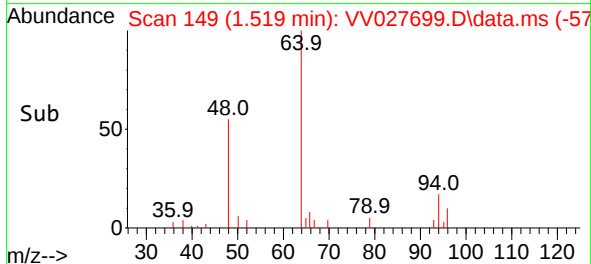
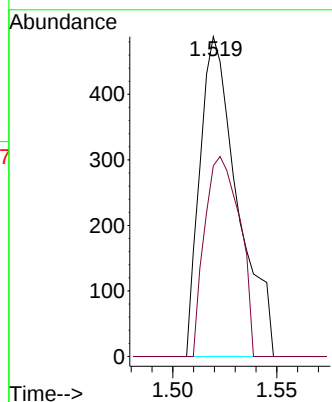
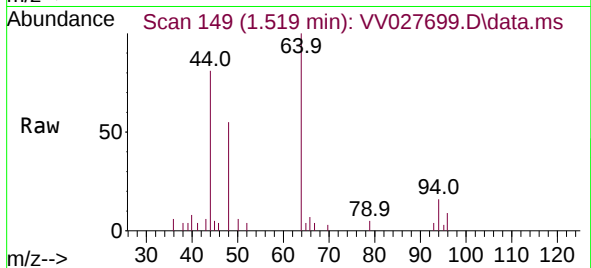




#6
Bromomethane
Concen: 0.080 ug/L
RT: 1.519 min Scan# 141
Delta R.T. -0.003 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

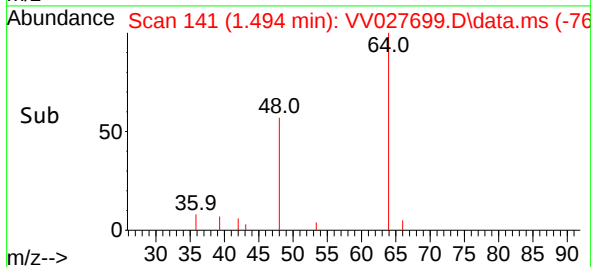
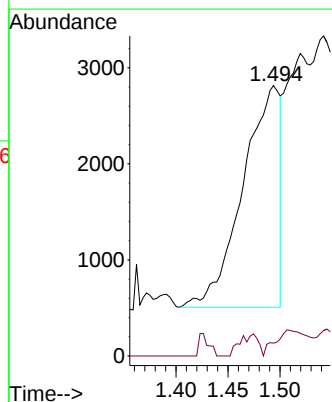
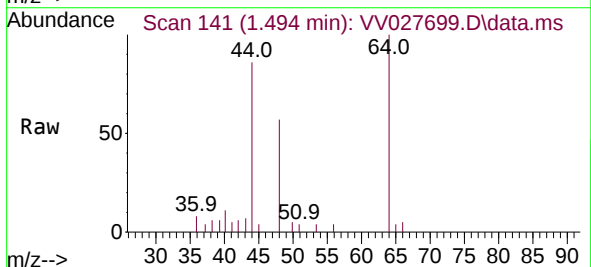
Instrument :
MSVOA_V
ClientSampleId :

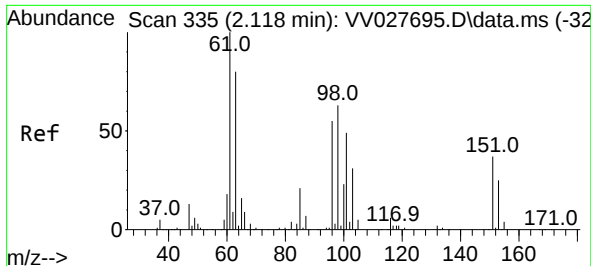
Tgt Ion: 94 Resp: 614
Ion Ratio Lower Upper
94 100
96 59.6 65.1 120.9#



#8
Chloroethane
Concen: 0.626 ug/L
RT: 1.494 min Scan# 141
Delta R.T. -0.090 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

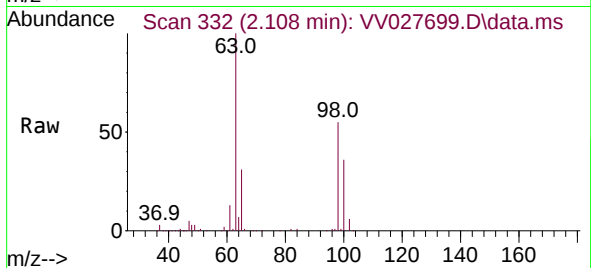
Tgt Ion: 64 Resp: 5725
Ion Ratio Lower Upper
64 100
66 4.8 24.0 44.6#



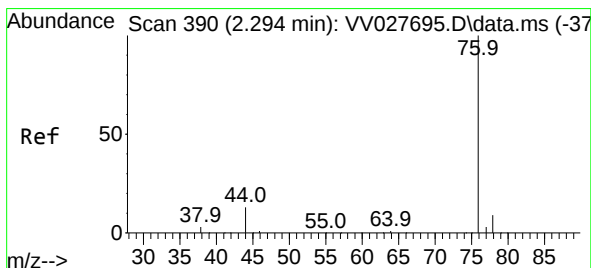
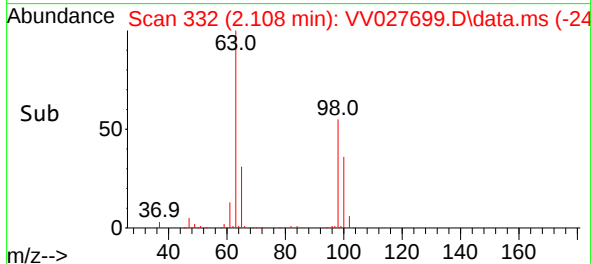
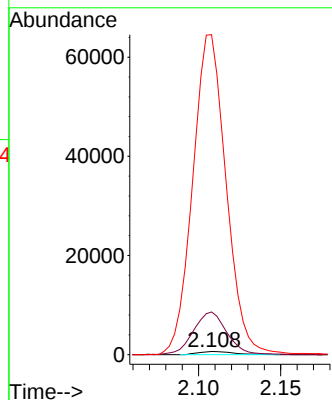


#12
1,1-Dichloroethene
Concen: 0.092 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Instrument :
MSVOA_V
ClientSampleId :

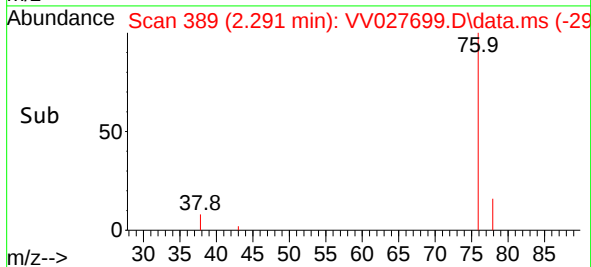
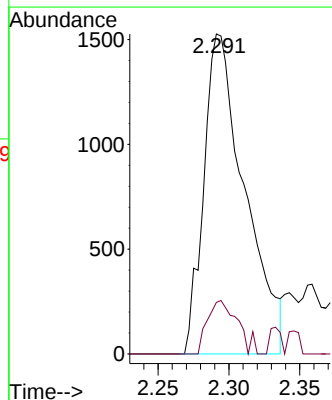
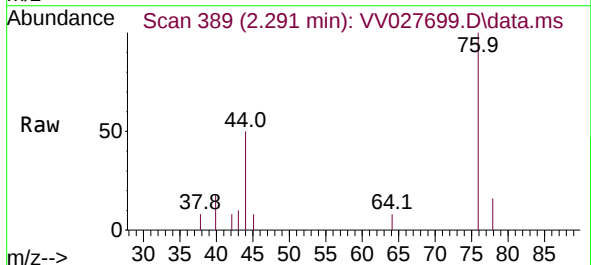


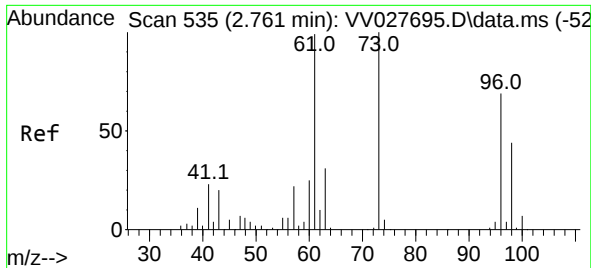
Tgt Ion: 96 Resp: 1009
Ion Ratio Lower Upper
96 100
61 1355.3 134.3 249.3#
63 10131.2 105.7 196.3#



#14
Carbon disulfide
Concen: 0.088 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.003 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

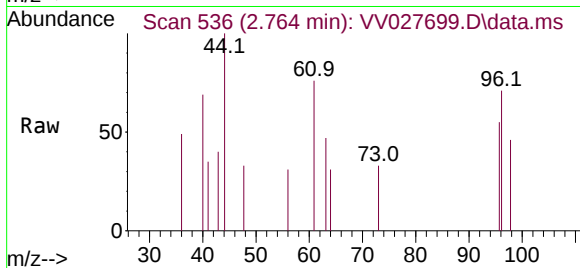
Tgt Ion: 76 Resp: 3066
Ion Ratio Lower Upper
76 100
78 16.1 7.4 11.0#



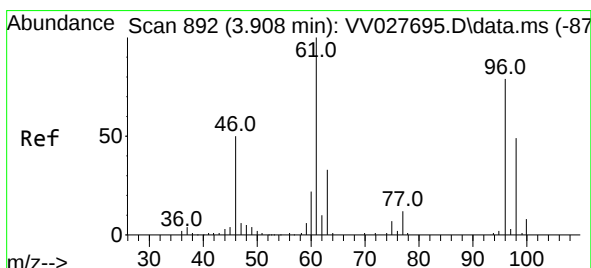
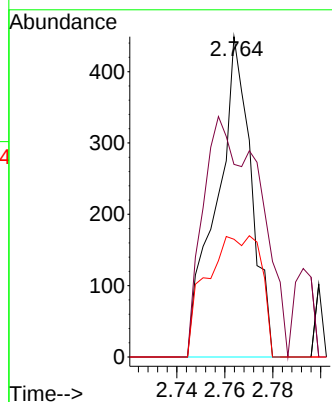
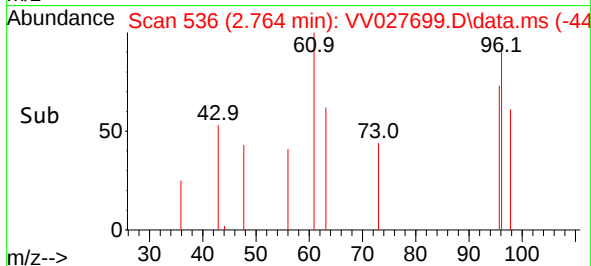


#18
trans-1,2-Dichloroethene
Concen: 0.036 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Instrument :
MSVOA_V
ClientSampleId :

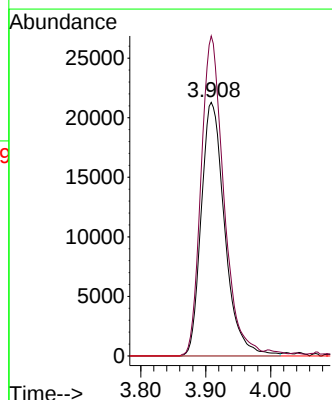
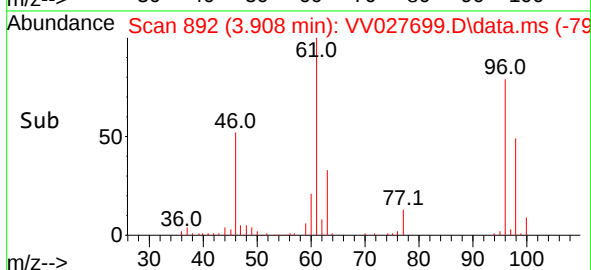
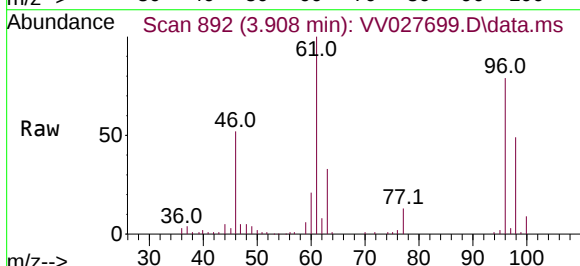


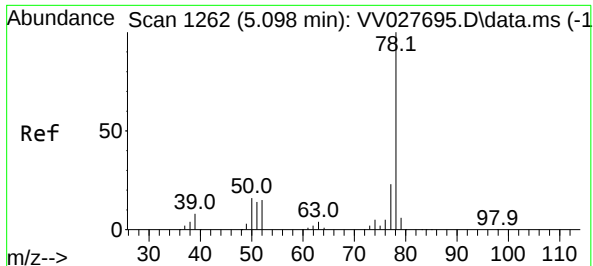
Tgt Ion: 96 Resp: 449
Ion Ratio Lower Upper
96 100
61 60.1 101.8 189.0#
98 36.7 44.9 83.3#



#22
cis-1,2-Dichloroethene
Concen: 4.312 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.000 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Tgt Ion: 96 Resp: 53644
Ion Ratio Lower Upper
96 100
61 126.1 96.9 180.1
68 0.0 0.0 0.0

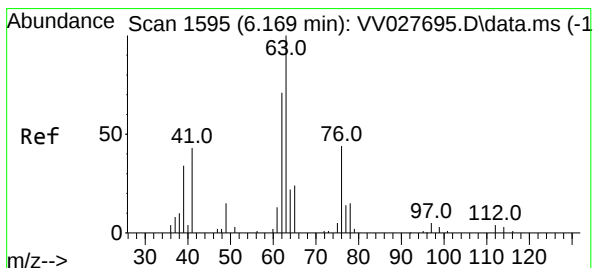
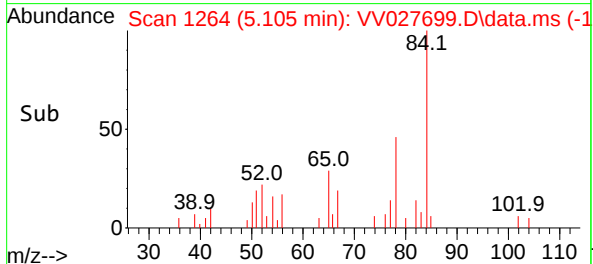
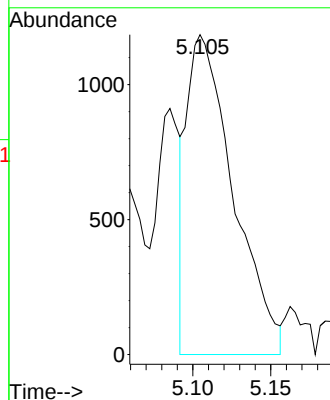
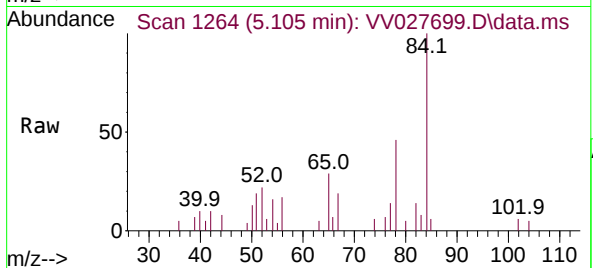




#33
Benzene
Concen: 0.048 ug/L
RT: 5.105 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

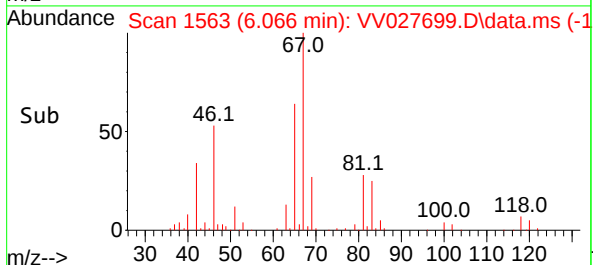
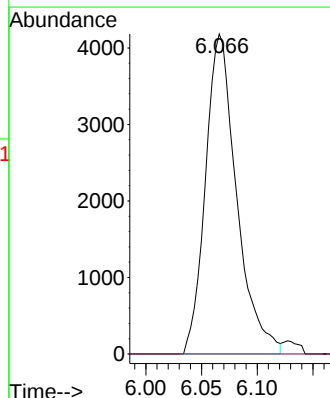
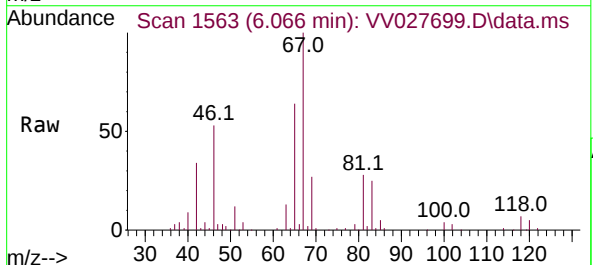
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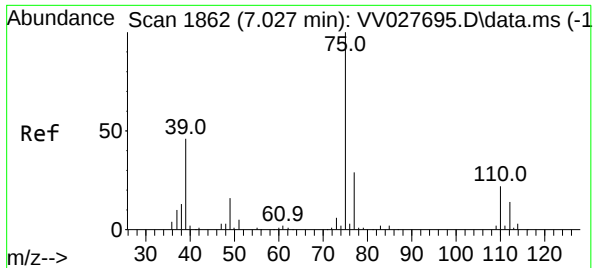
Tgt Ion: 78 Resp: 2461



#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Tgt Ion: 63 Resp: 8130
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Instrument :

MSVOA_V

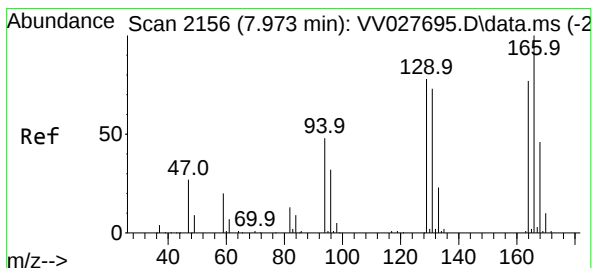
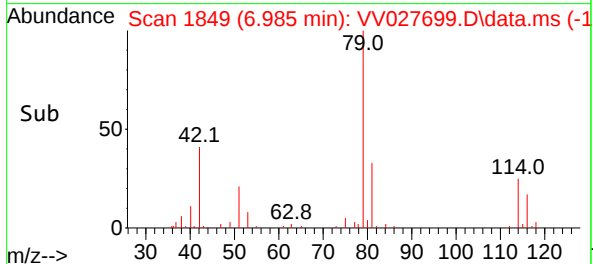
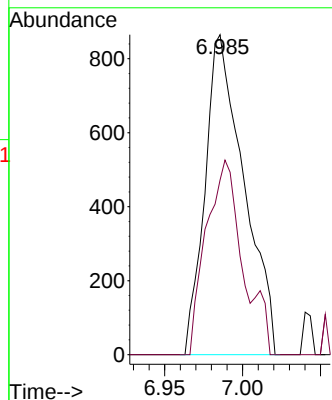
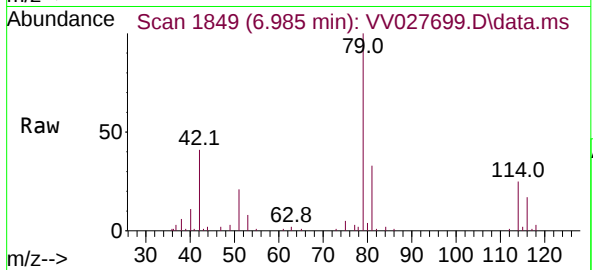
ClientSampleId :

Tgt Ion: 75 Resp: 1500

Ion Ratio Lower Upper

75 100

77 54.6 22.3 41.3#



#47

Tetrachloroethene

Concen: 0.342 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Tgt Ion: 164 Resp: 3475

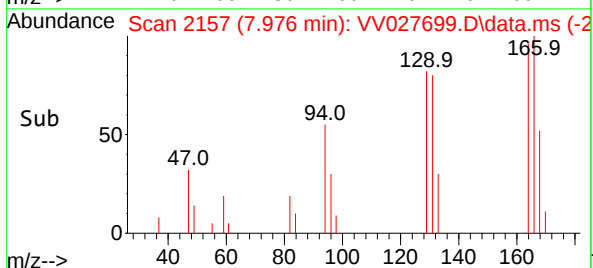
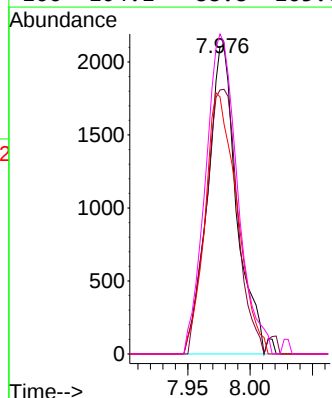
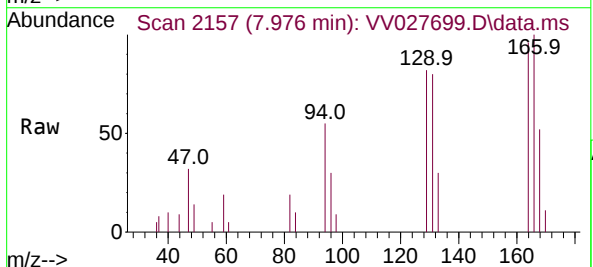
Ion Ratio Lower Upper

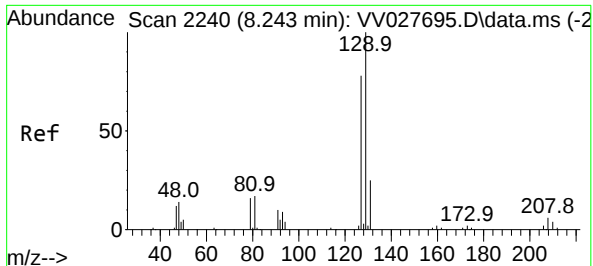
164 100

129 85.8 65.9 122.3

131 83.6 64.5 119.7

166 104.1 88.8 165.0





#49

Dibromochloromethane

Concen: 0.325 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Instrument :

MSVOA_V

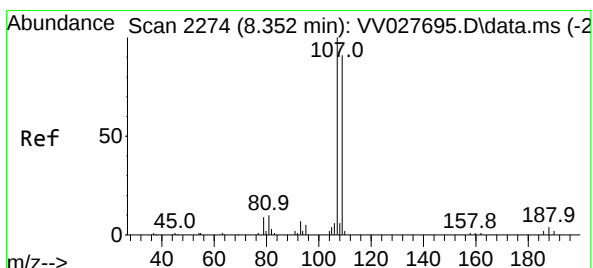
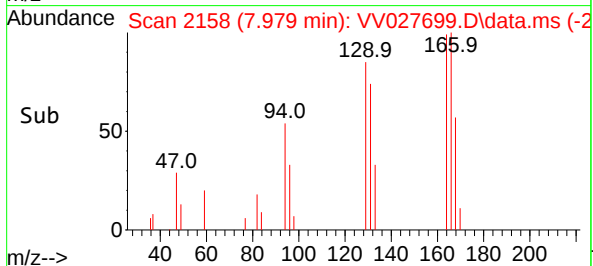
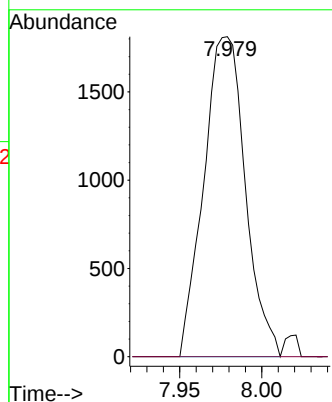
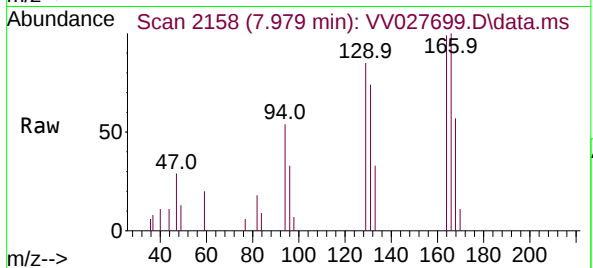
ClientSampleId :

Tgt Ion:129 Resp: 3195

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#50

1,2-Dibromoethane

Concen: 0.075 ug/L

RT: 8.381 min Scan# 2283

Delta R.T. 0.029 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

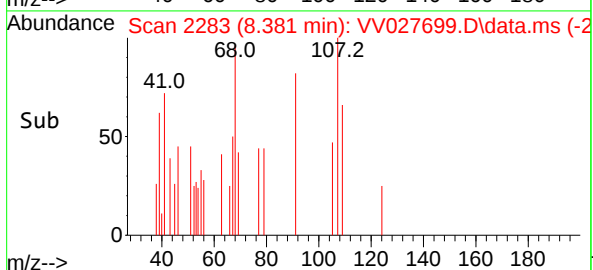
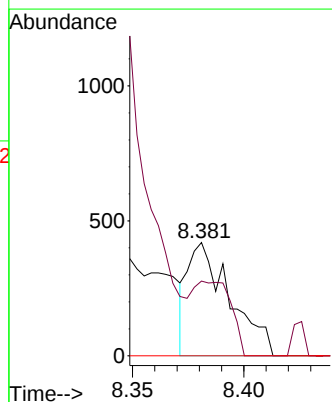
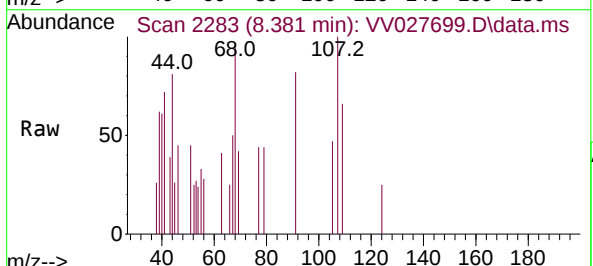
Tgt Ion:107 Resp: 557

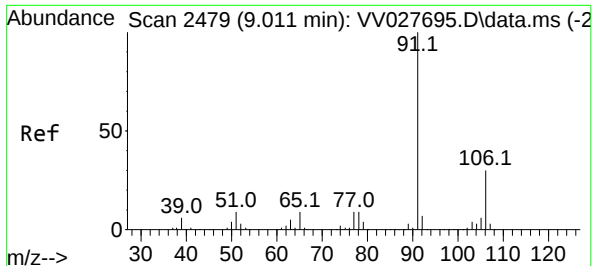
Ion Ratio Lower Upper

107 100

109 66.0 66.2 123.0#

188 0.0 2.6 3.8#





#52

Ethylbenzene

Concen: 0.117 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Instrument :

MSVOA_V

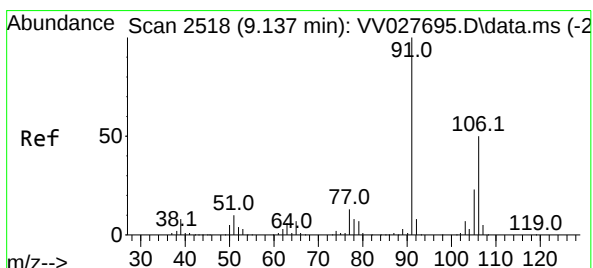
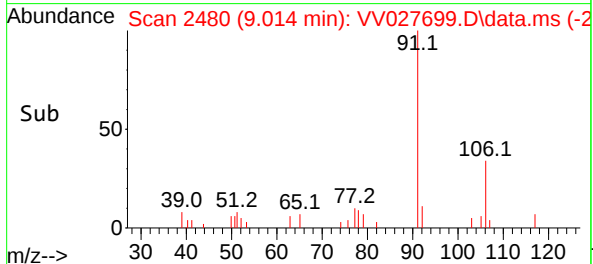
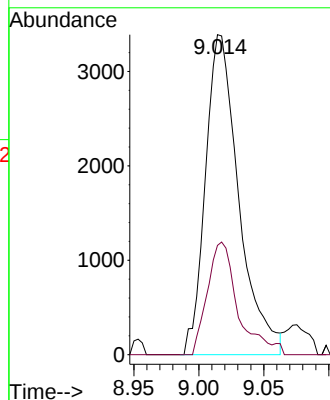
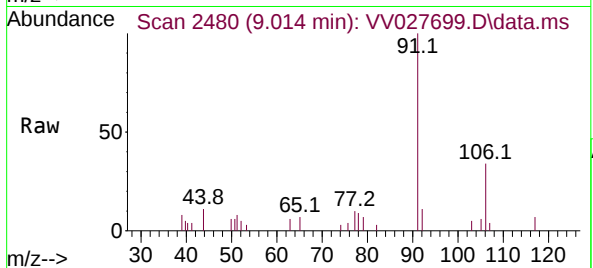
ClientSampleId :

Tgt Ion: 91 Resp: 6054

Ion Ratio Lower Upper

91 100

106 34.2 21.9 40.7



#53

m,p-Xylene

Concen: 1.554 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV027699.D

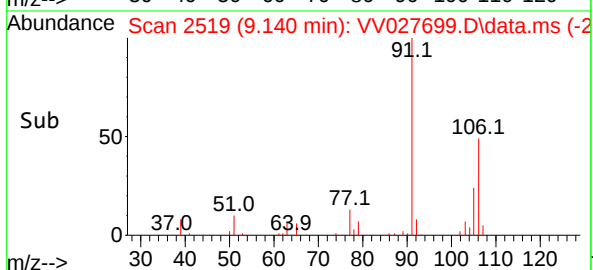
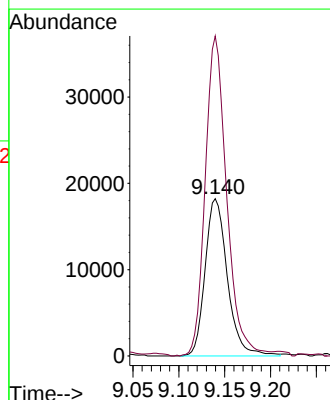
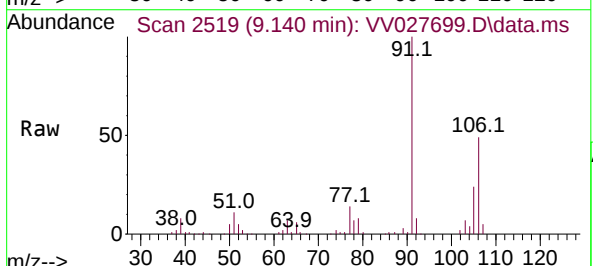
Acq: 02 Sep 2022 05:05

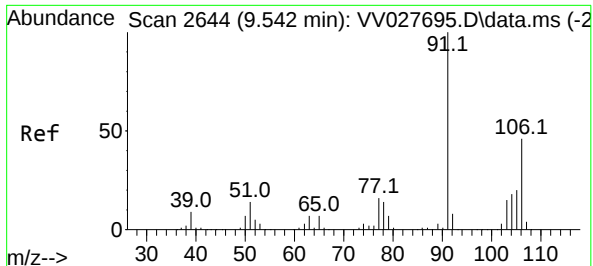
Tgt Ion: 106 Resp: 30834

Ion Ratio Lower Upper

106 100

91 203.4 147.3 273.5

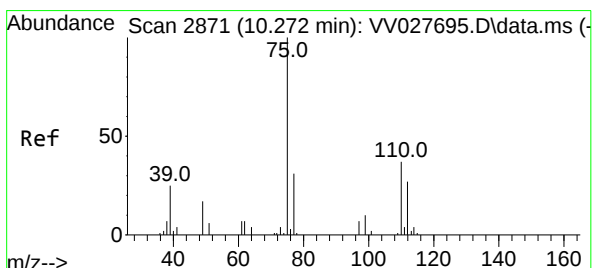
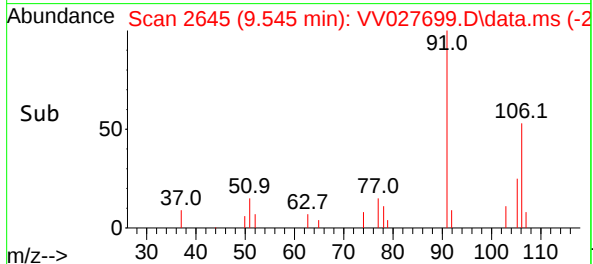
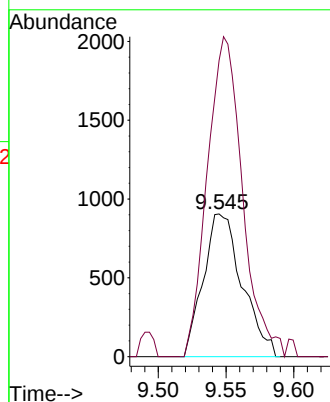
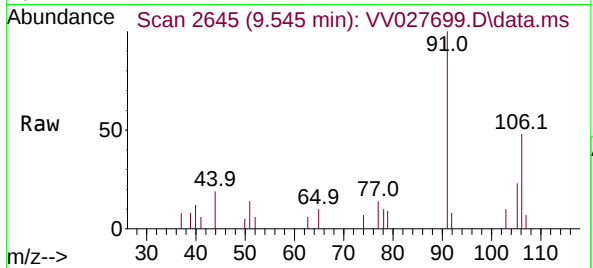




#54
o-Xylene
Concen: 0.095 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

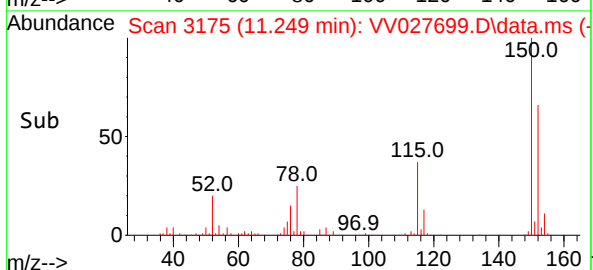
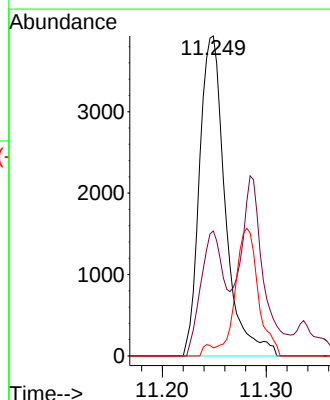
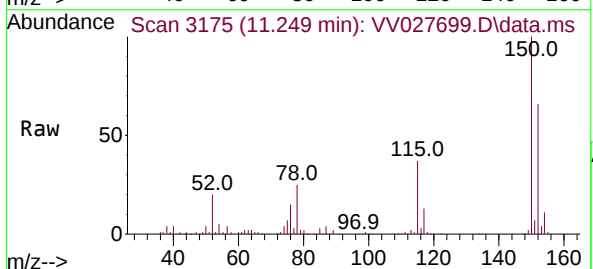
Instrument :
MSVOA_V
ClientSampleId :

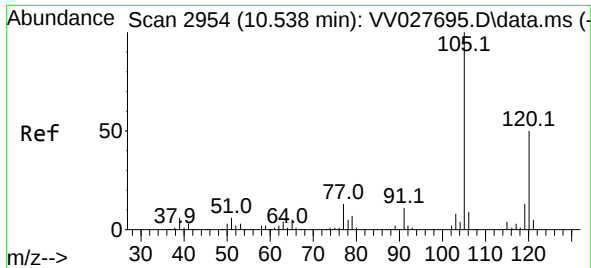
Tgt Ion:106 Resp: 1804
Ion Ratio Lower Upper
106 100
91 207.6 152.9 284.1



#61
1,2,3-Trichloropropane
Concen: 1.140 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV027699.D
Acq: 02 Sep 2022 05:05

Tgt Ion: 75 Resp: 6754
Ion Ratio Lower Upper
75 100
77 35.5 25.8 38.6
110 0.0 29.8 44.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.248 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.379 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Instrument :

MSVOA_V

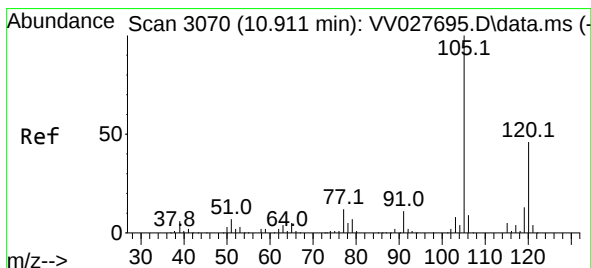
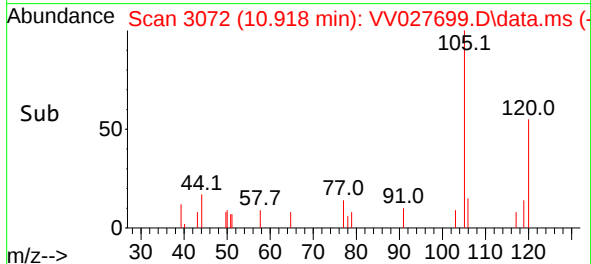
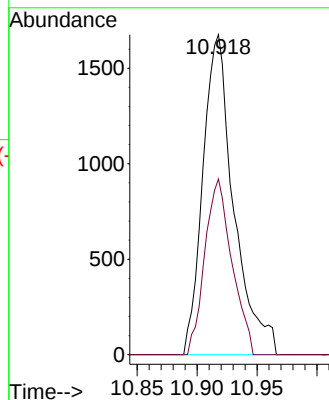
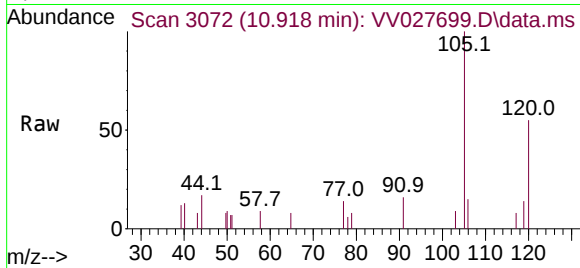
ClientSampleId :

Tgt Ion:105 Resp: 2999

Ion Ratio Lower Upper

105 100

120 48.1 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 0.086 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.006 min

Lab File: VV027699.D

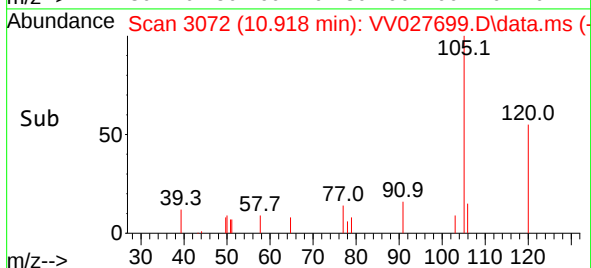
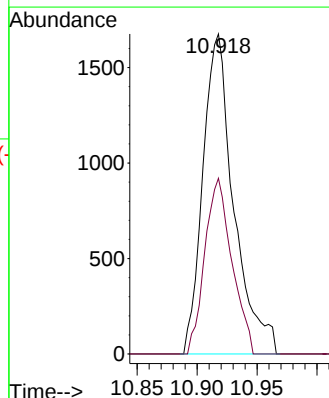
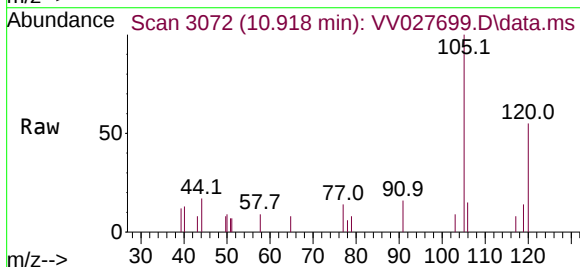
Acq: 02 Sep 2022 05:05

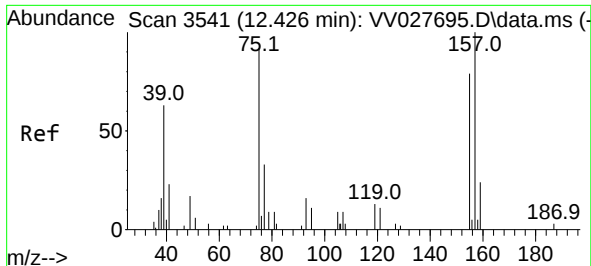
Tgt Ion:105 Resp: 2999

Ion Ratio Lower Upper

105 100

120 48.1 36.1 54.1





#68

1,2-Dibromo-3-chloropropane

Concen: 0.729 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.151 min

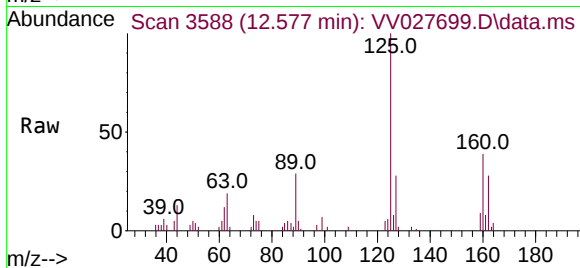
Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

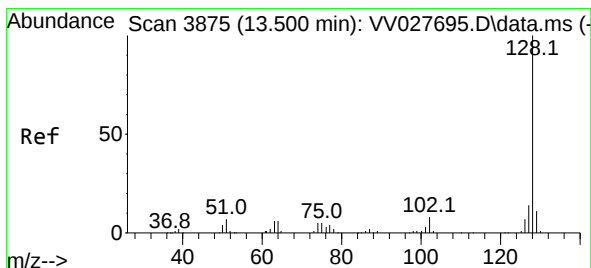
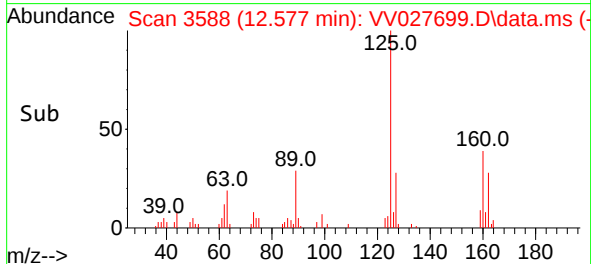
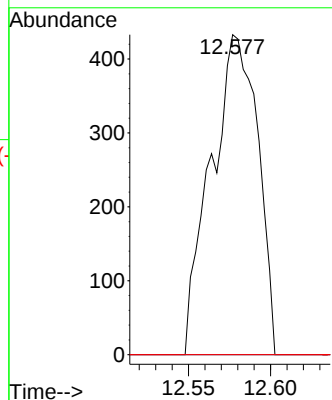
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75	Resp:	860
Ion Ratio	Lower	Upper
75	100	
155	0.0	56.4 84.6#
157	0.0	74.9 112.3#



#71

Naphthalene

Concen: 0.117 ug/L

RT: 13.506 min Scan# 3877

Delta R.T. 0.006 min

Lab File: VV027699.D

Acq: 02 Sep 2022 05:05

Tgt Ion: 128	Resp:	2079
Ion Ratio	Lower	Upper
128	100	
129	10.1	8.9 13.3
127	9.3	10.9 16.3#

