

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083022\
 Data File : VW027588.D
 Acq On : 30 Aug 2022 16:03
 Operator : SY/MD
 Sample : N4404-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 04:48:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 31 04:45:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	150117	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	151369	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62118	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	48569	4.546	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.565	69	39916	5.105	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.182	63	4427	0.178	ug/L	0.08
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3.600%#
20) 2-Butanone-d5	3.892	46	56304	42.347	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.700%
24) Chloroform-d	4.346	84	95478	4.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.034	65	43407	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.047	84	180120	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.069	67	58252	4.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.317	98	126200	3.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	7.629	79	14263	3.417	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.400%
46) 2-Hexanone-d5	8.092	63	57835	42.096	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.200%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38655	4.980	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	46816	5.084	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	1171	0.084	ug/L	99
5) Vinyl chloride	1.311	62	10436	0.745	ug/L #	79
6) Bromomethane	1.520	94	291	0.042	ug/L	88
8) Chloroethane	1.307	64	3148	0.385	ug/L	84
14) Carbon disulfide	2.291	76	2373	0.076	ug/L #	84
18) trans-1,2-Dichloroethene	2.764	96	662	0.057	ug/L	69
22) cis-1,2-Dichloroethene	3.912	96	12678	1.017	ug/L	98
25) Chloroform	4.365	83	2422	0.092	ug/L	84
33) Benzene	5.105	78	3223	0.064	ug/L	100
35) Methylcyclohexane	6.117	83	1091	0.059	ug/L #	21
39) cis-1,3-Dichloropropene	6.986	75	1056	0.065	ug/L	90
47) Tetrachloroethene	7.979	164	541	0.052	ug/L	95
49) Dibromochloromethane	7.986	129	478	0.045	ug/L #	9
50) 1,2-Dibromoethane	8.320	107	2274	0.304	ug/L #	1
52) Ethylbenzene	9.021	91	2433	0.046	ug/L #	82
53) m,p-Xylene	9.146	106	9097	0.448	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	7667	1.407	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.535	105	633	0.056	ug/L	86
63) 1,2,4-Trimethylbenzene	10.918	105	2249	0.070	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083022\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Aug 31 04:45:39 2022
Response via : Initial Calibration

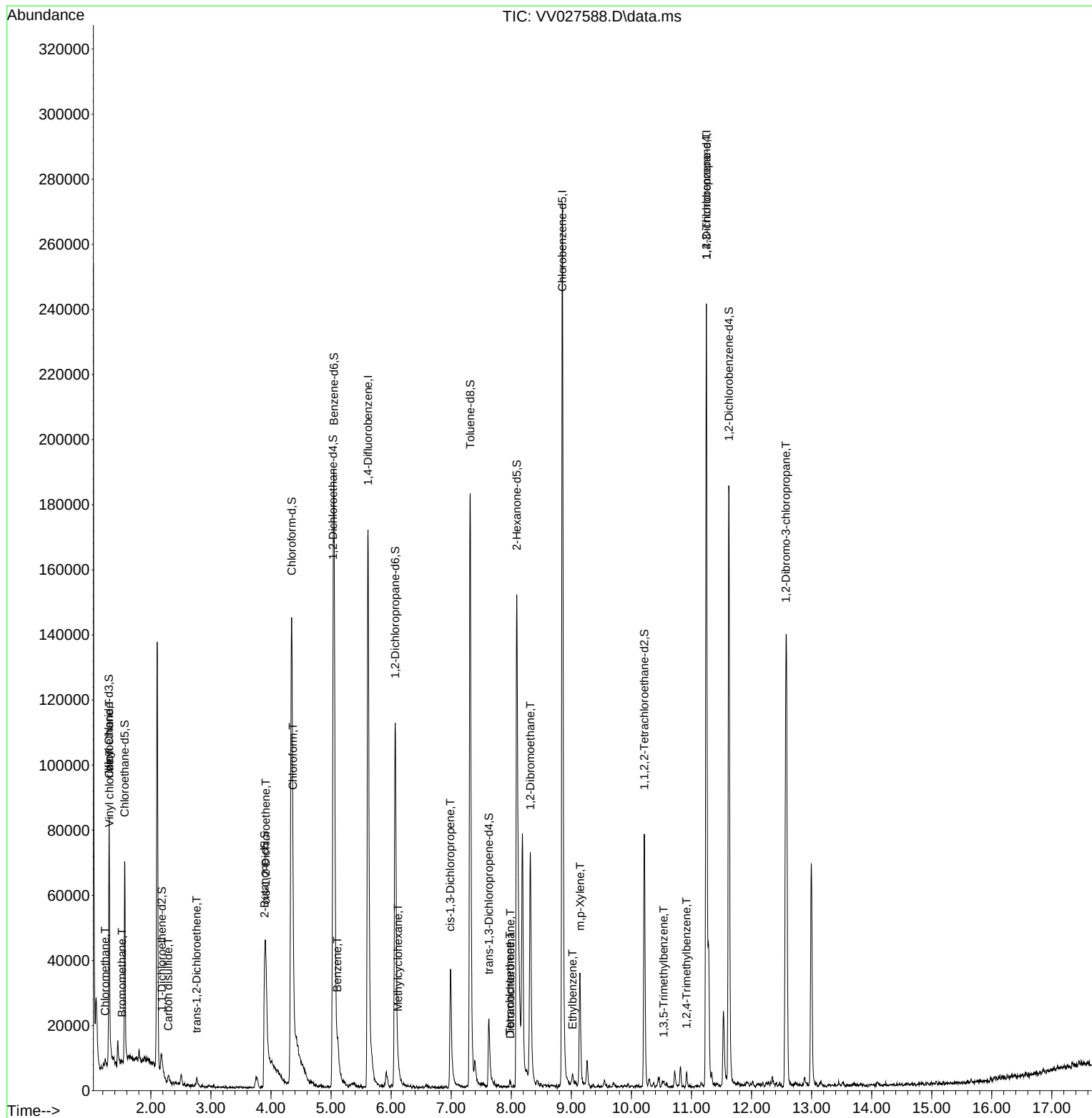
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.574	75	3738	3.087	ug/L #	4

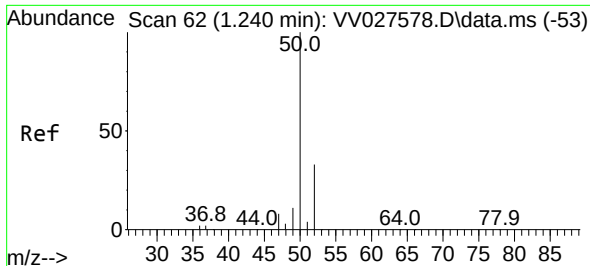
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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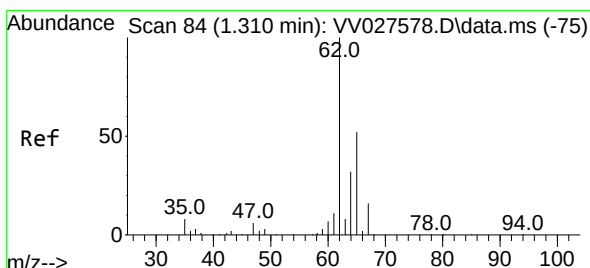
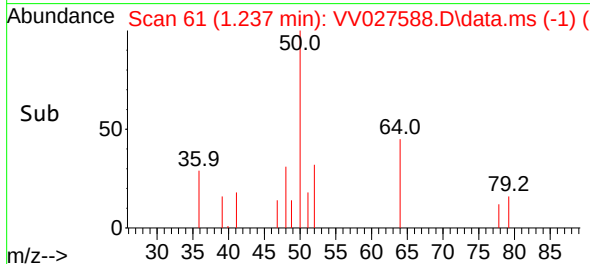
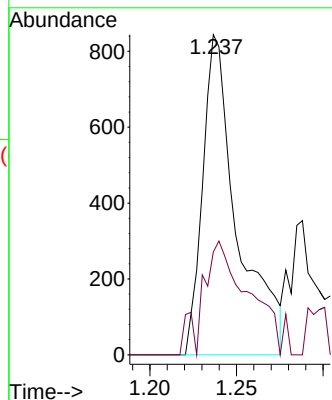
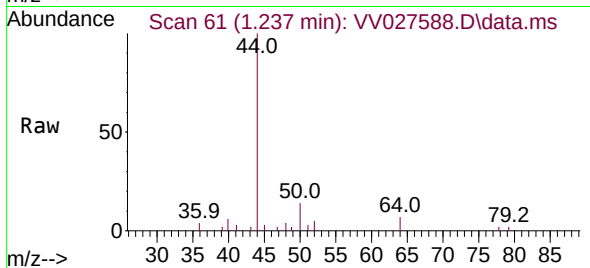




#3
Chloromethane
Concen: 0.084 ug/L
RT: 1.237 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

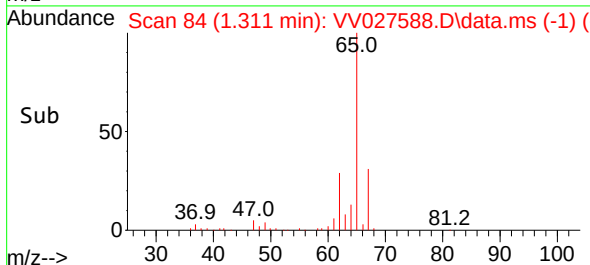
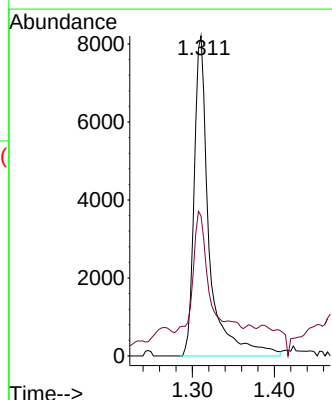
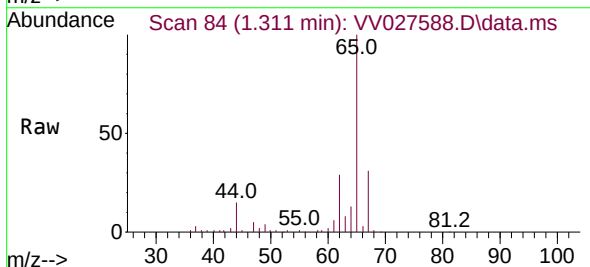
Instrument :
MSVOA_V
ClientSampleId :

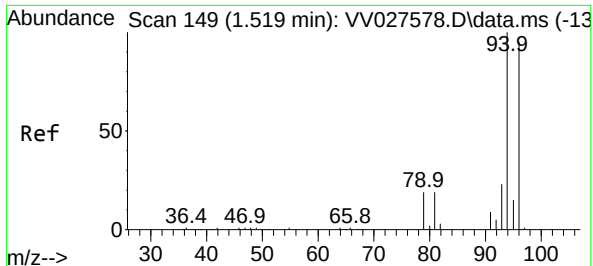
Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 32.1 22.8 42.4



#5
Vinyl chloride
Concen: 0.745 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

Tgt Ion: 62 Resp: 10436
Ion Ratio Lower Upper
62 100
64 43.8 22.6 42.0#

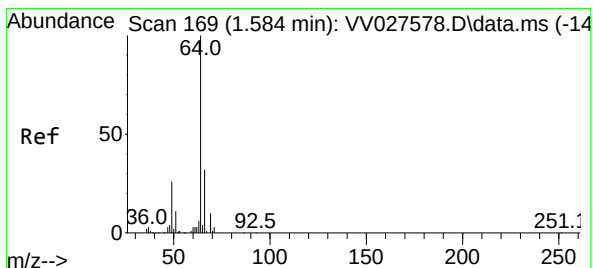
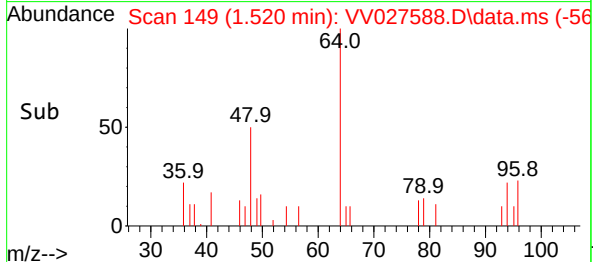
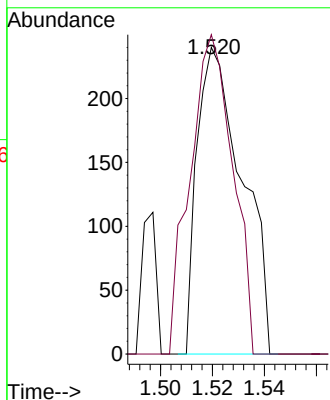
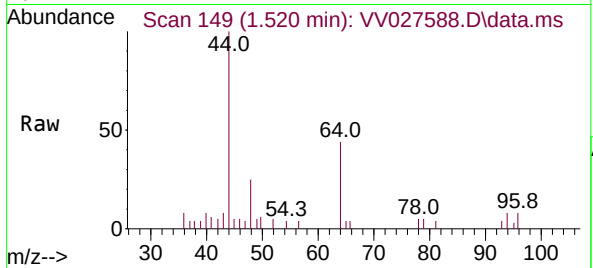




#6
Bromomethane
Concen: 0.042 ug/L
RT: 1.520 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

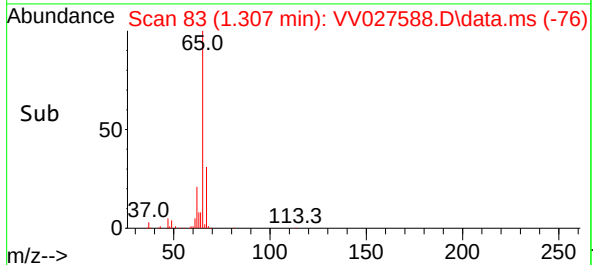
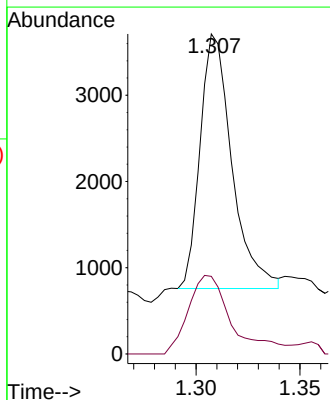
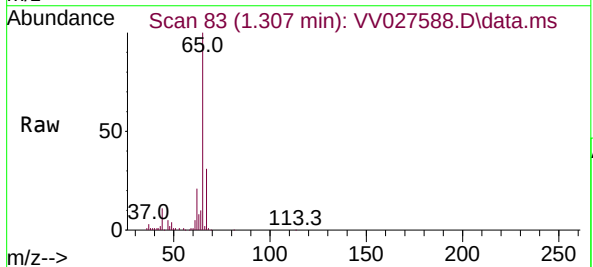
Instrument :
MSVOA_V
ClientSampleId :

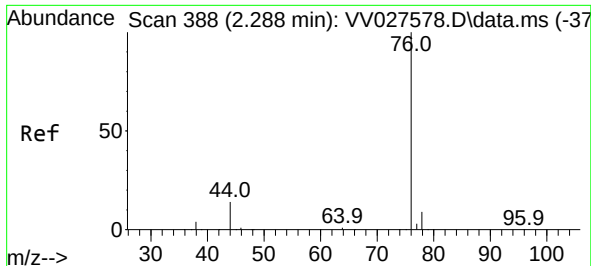
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 104.2 65.2 121.0



#8
Chloroethane
Concen: 0.385 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.276 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

Tgt Ion: 64 Resp: 3148
Ion Ratio Lower Upper
64 100
66 24.3 23.3 43.3

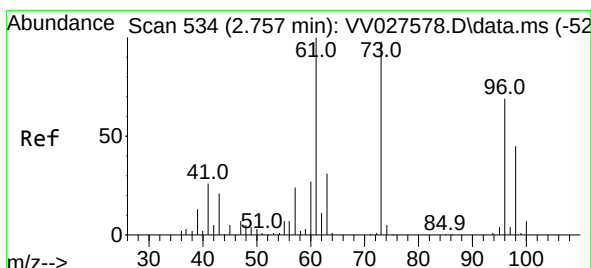
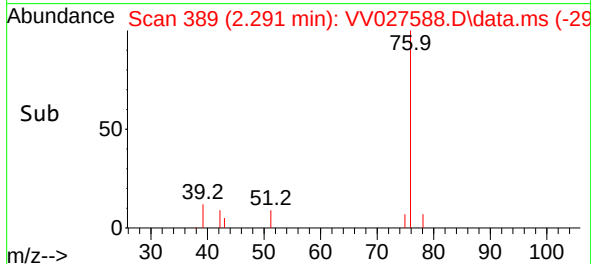
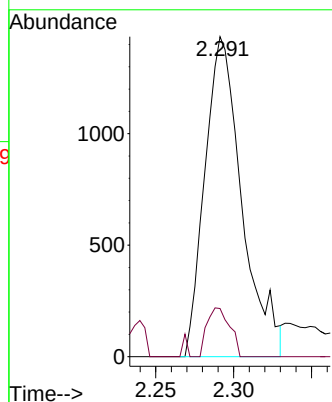
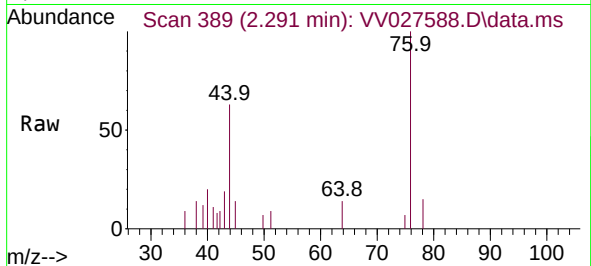




#14
Carbon disulfide
Concen: 0.076 ug/L
RT: 2.291 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

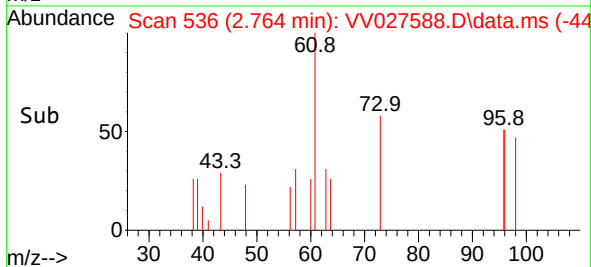
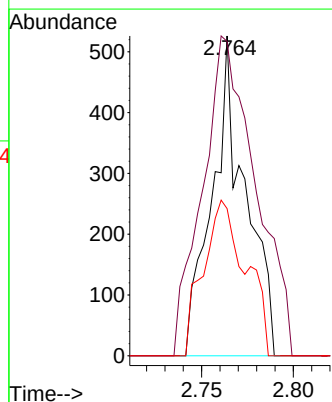
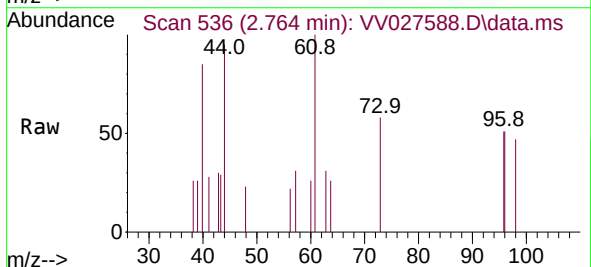
Instrument :
MSVOA_V
ClientSampleId :

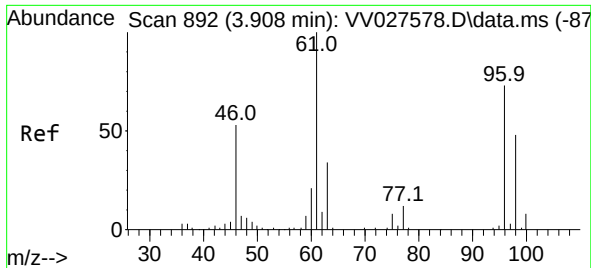
Tgt Ion: 76 Resp: 2373
Ion Ratio Lower Upper
76 100
78 15.1 7.3 10.9#



#18
trans-1,2-Dichloroethene
Concen: 0.057 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV027588.D
Acq: 30 Aug 2022 16:03

Tgt Ion: 96 Resp: 662
Ion Ratio Lower Upper
96 100
61 98.3 97.6 181.4
98 46.0 45.9 85.3

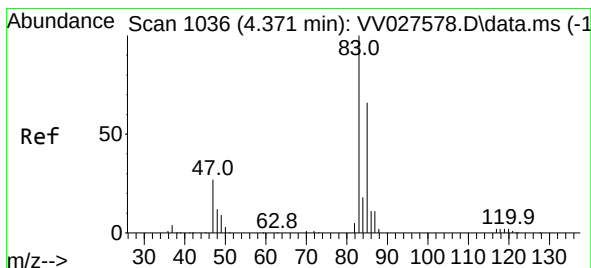
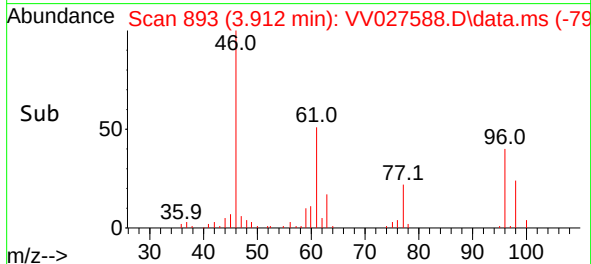
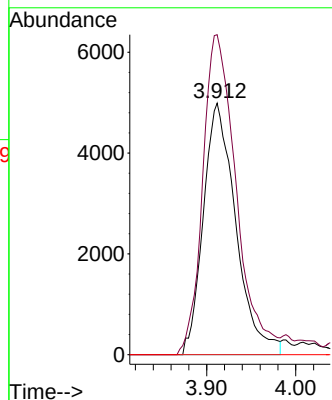
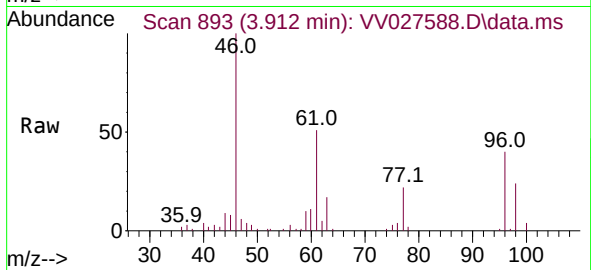




#22
 cis-1,2-Dichloroethene
 Concen: 1.017 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV027588.D
 Acq: 30 Aug 2022 16:03

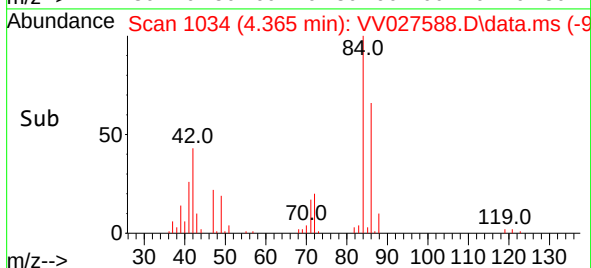
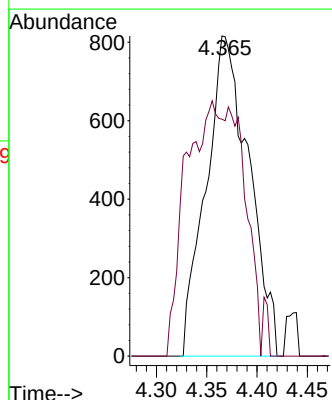
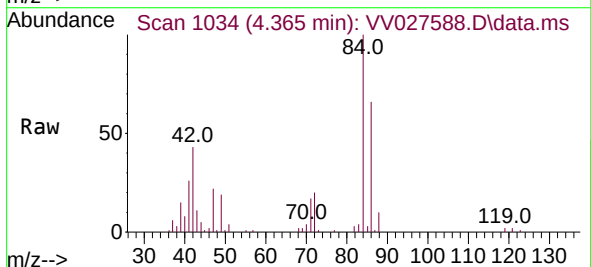
Instrument :
 MSVOA_V
 ClientSampleId :

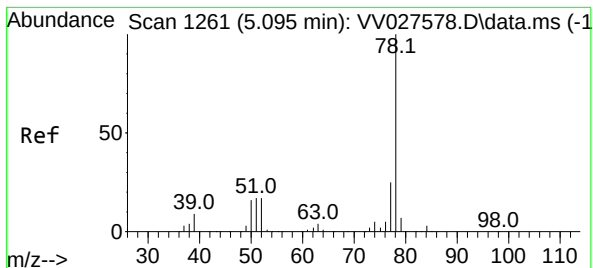
Tgt Ion: 96 Resp: 12678
 Ion Ratio Lower Upper
 96 100
 61 127.2 90.6 168.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.092 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. -0.006 min
 Lab File: VV027588.D
 Acq: 30 Aug 2022 16:03

Tgt Ion: 83 Resp: 2422
 Ion Ratio Lower Upper
 83 100
 85 74.0 43.3 80.5





#33

Benzene

Concen: 0.064 ug/L

RT: 5.105 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV027588.D

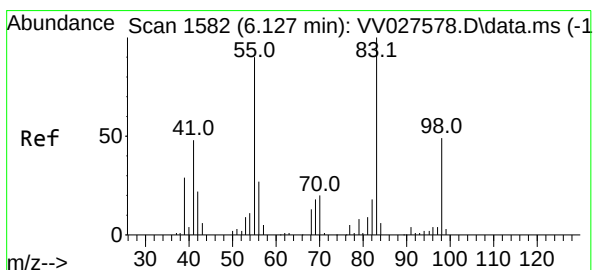
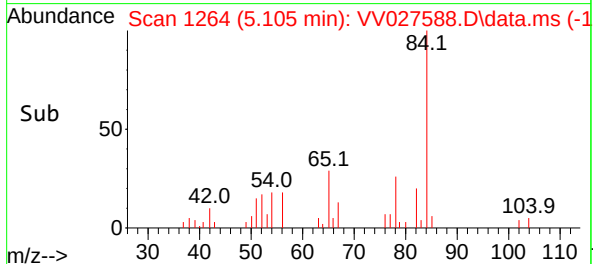
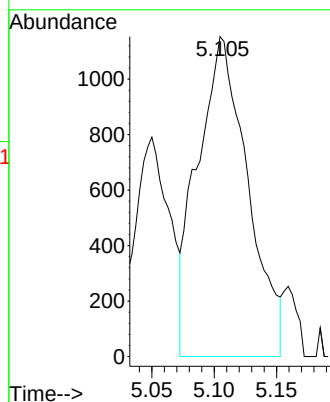
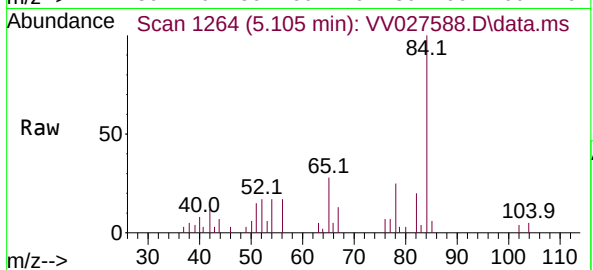
Acq: 30 Aug 2022 16:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 3223



#35

Methylcyclohexane

Concen: 0.059 ug/L

RT: 6.117 min Scan# 1579

Delta R.T. -0.009 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

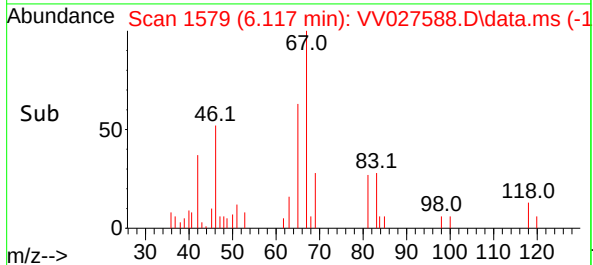
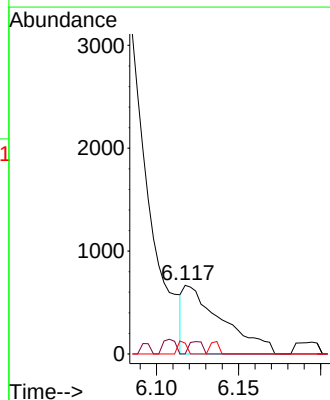
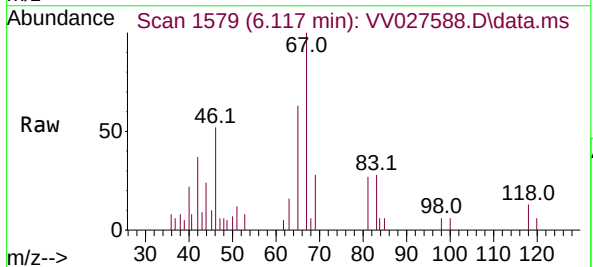
Tgt Ion: 83 Resp: 1091

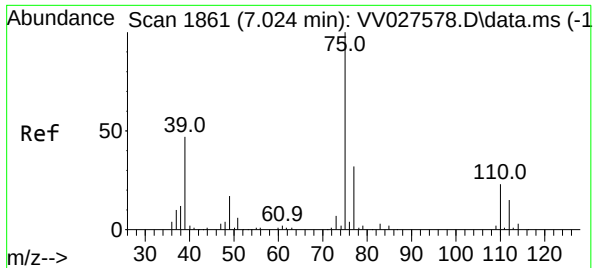
Ion Ratio Lower Upper

83 100

55 6.1 68.2 102.4#

98 4.1 39.0 58.4#





#39

cis-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 6.986 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Instrument :

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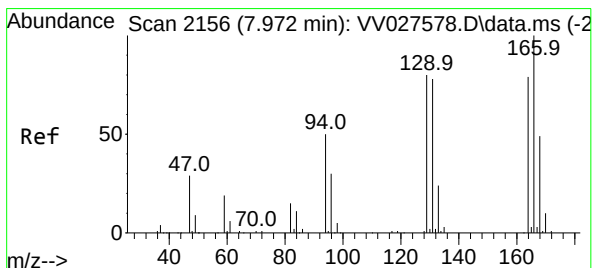
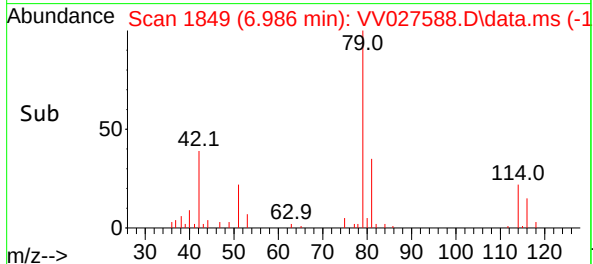
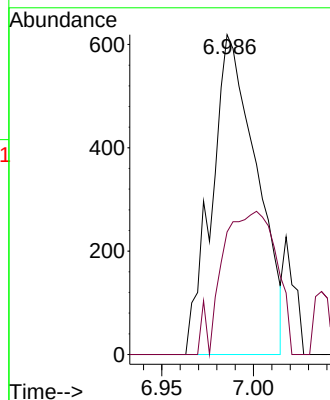
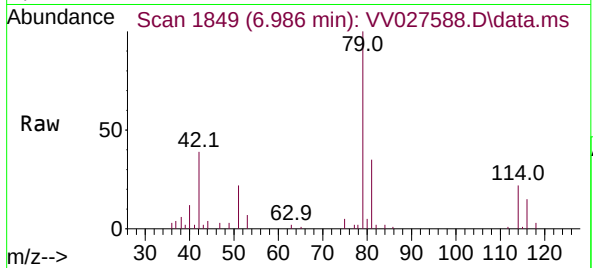
ClientSampleId :

Tgt Ion: 75 Resp: 1056

Ion Ratio Lower Upper

75 100

77 38.3 22.9 42.5



#47

Tetrachloroethene

Concen: 0.052 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.007 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Tgt Ion:164 Resp: 541

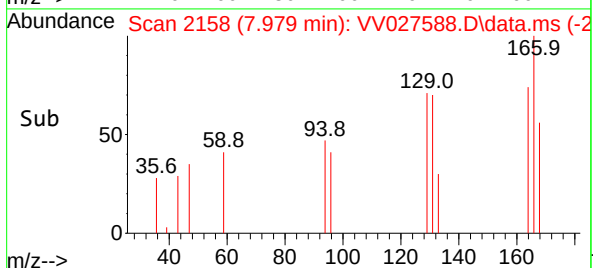
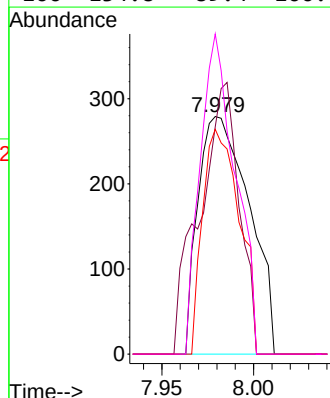
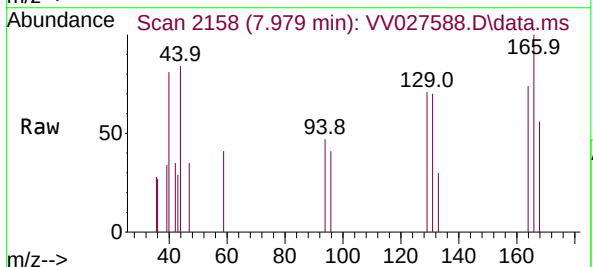
Ion Ratio Lower Upper

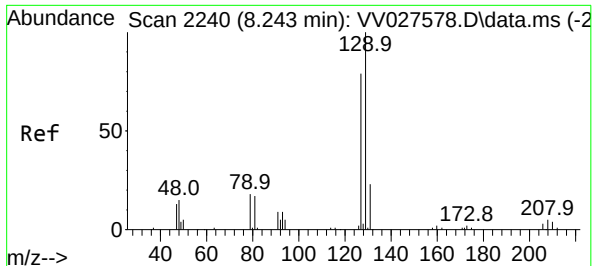
164 100

129 95.7 71.1 132.1

131 94.6 64.5 119.9

166 134.8 89.4 166.0





#49

Dibromochloromethane

Concen: 0.045 ug/L

RT: 7.986 min Scan# 2160

Delta R.T. -0.257 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Instrument :

MSVOA_V

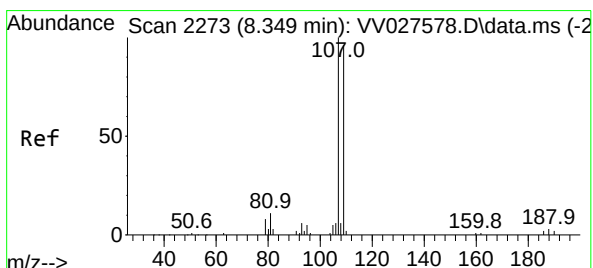
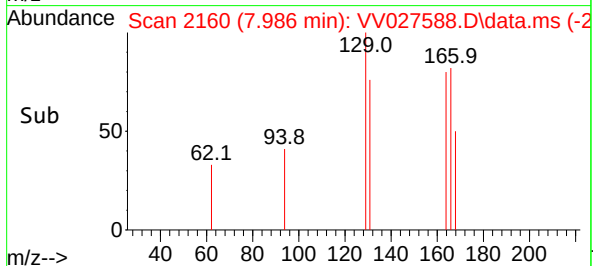
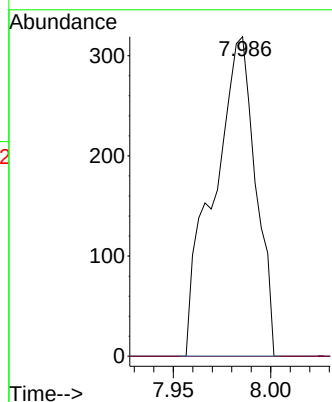
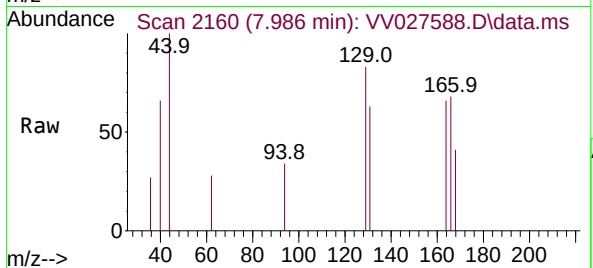
ClientSampleId :

Tgt Ion:129 Resp: 478

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#50

1,2-Dibromoethane

Concen: 0.304 ug/L

RT: 8.320 min Scan# 2264

Delta R.T. -0.029 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

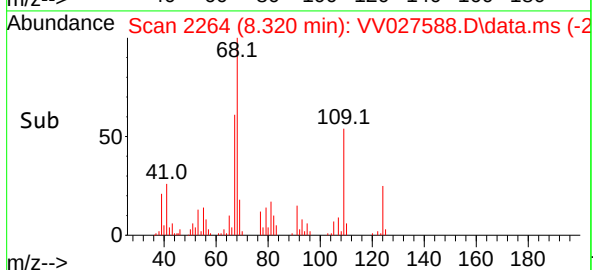
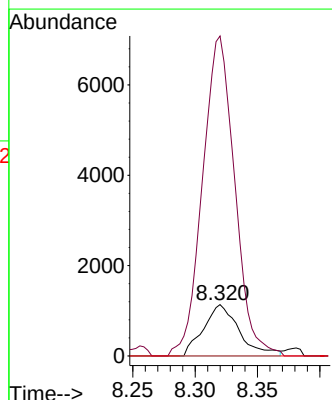
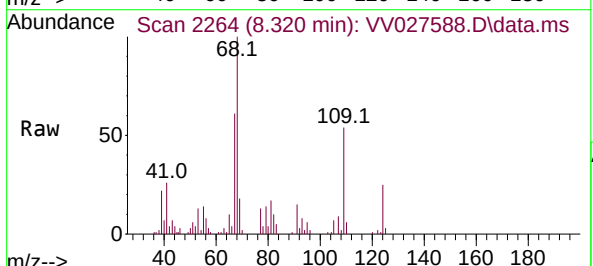
Tgt Ion:107 Resp: 2274

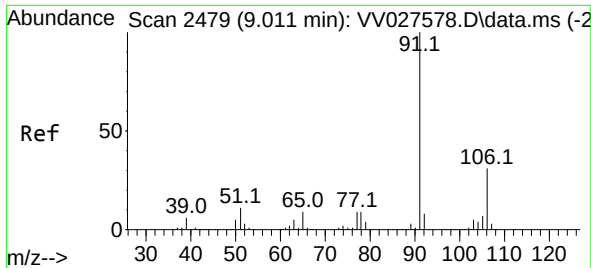
Ion Ratio Lower Upper

107 100

109 622.4 67.8 125.8#

188 0.0 3.5 5.3#





#52

Ethylbenzene

Concen: 0.046 ug/L

RT: 9.021 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Instrument :

MSVOA_V

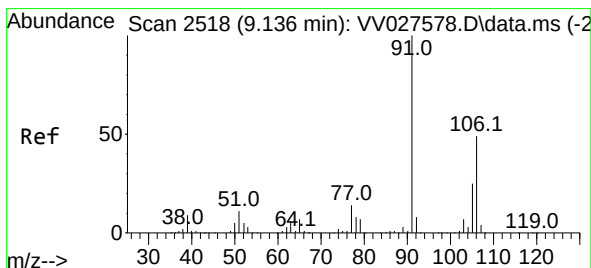
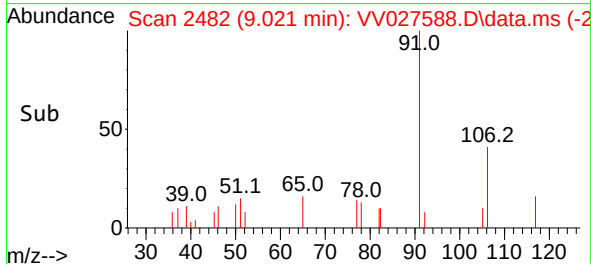
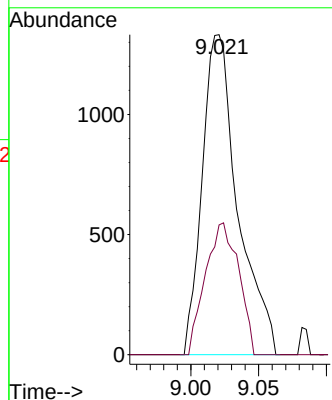
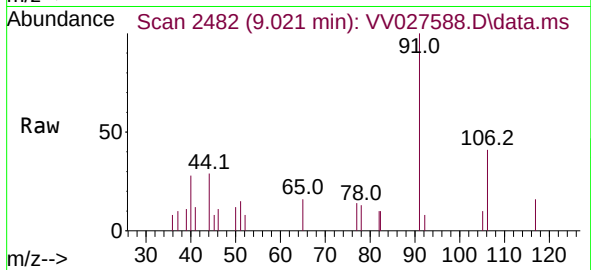
ClientSampleId :

Tgt Ion: 91 Resp: 2433

Ion Ratio Lower Upper

91 100

106 40.5 21.4 39.8#



#53

m,p-Xylene

Concen: 0.448 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV027588.D

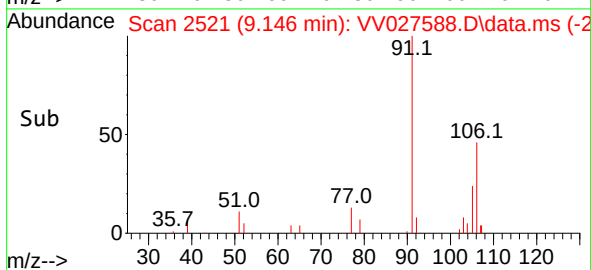
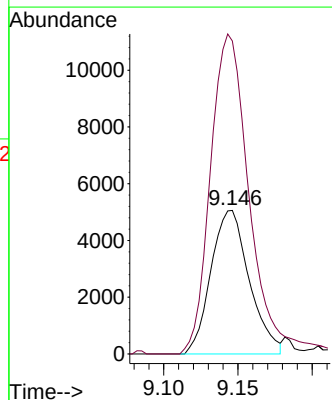
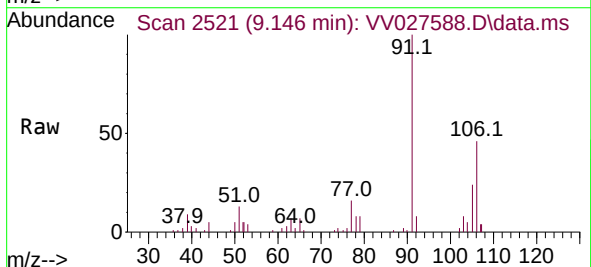
Acq: 30 Aug 2022 16:03

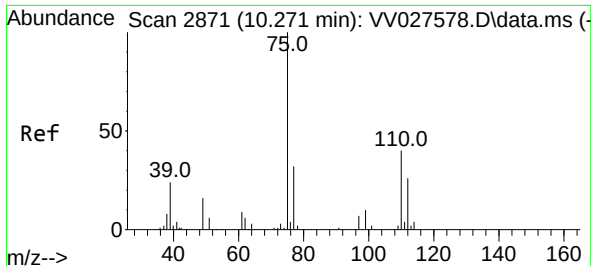
Tgt Ion: 106 Resp: 9097

Ion Ratio Lower Upper

106 100

91 218.0 143.8 267.0





#61

1,2,3-Trichloropropane

Concen: 1.407 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.978 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Instrument :

MSVOA_V

ClientSampleId :

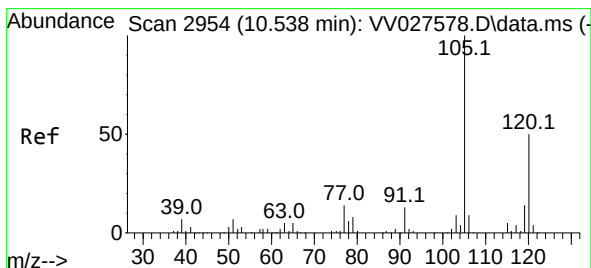
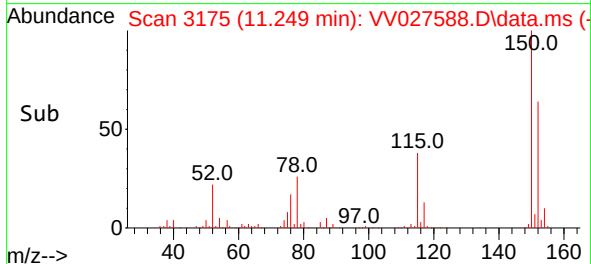
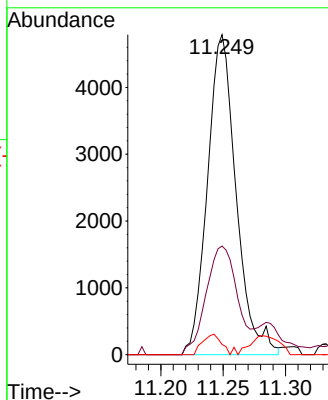
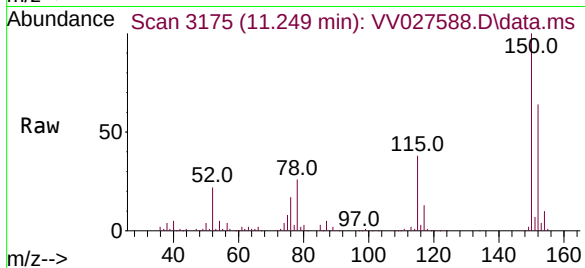
Tgt Ion: 75 Resp: 7667

Ion Ratio Lower Upper

75 100

77 36.7 26.2 39.2

110 4.2 29.9 44.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.056 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.003 min

Lab File: VV027588.D

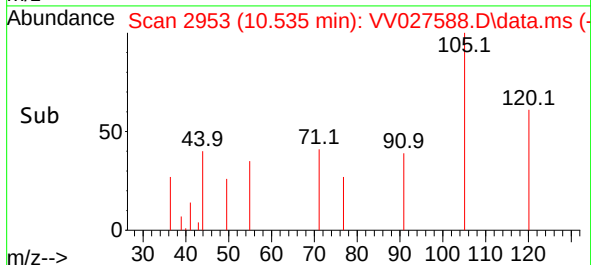
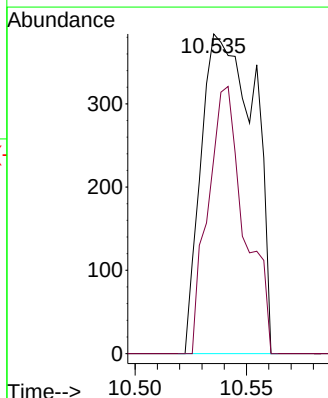
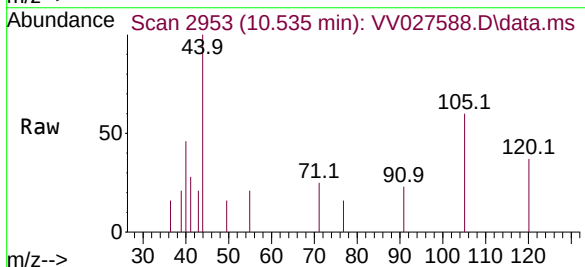
Acq: 30 Aug 2022 16:03

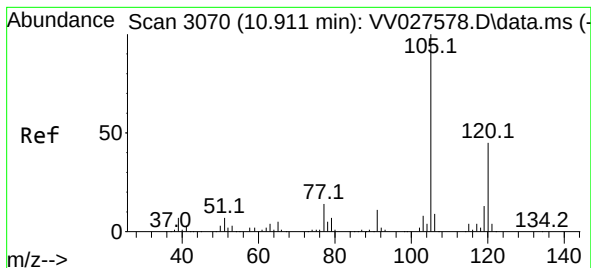
Tgt Ion: 105 Resp: 633

Ion Ratio Lower Upper

105 100

120 57.7 38.7 58.1





#63

1,2,4-Trimethylbenzene

Concen: 0.070 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.007 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Instrument :

MSVOA_V

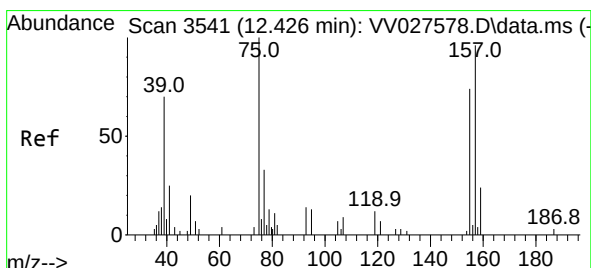
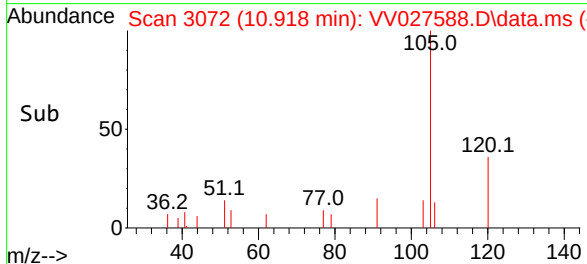
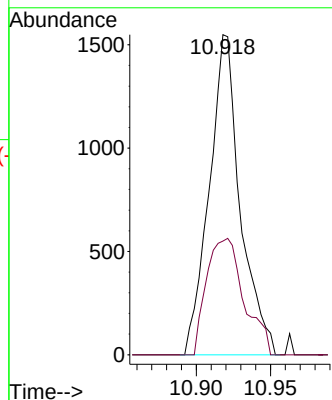
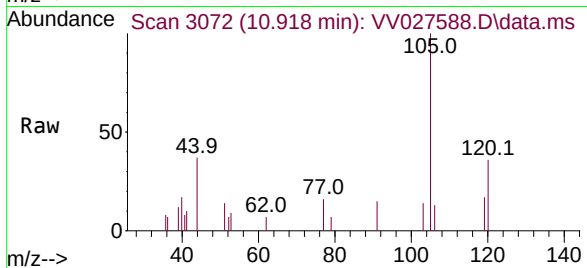
ClientSampleId :

Tgt Ion:105 Resp: 2249

Ion Ratio Lower Upper

105 100

120 43.8 35.8 53.6



#68

1,2-Dibromo-3-chloropropane

Concen: 3.087 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.148 min

Lab File: VV027588.D

Acq: 30 Aug 2022 16:03

Tgt Ion: 75 Resp: 3738

Ion Ratio Lower Upper

75 100

155 0.0 63.1 94.7#

157 0.0 81.8 122.8#

