

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083022\
 Data File : VW027580.D
 Acq On : 30 Aug 2022 12:46
 Operator : SY/MD
 Sample : N4402-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBVB2

Quant Time: Aug 31 04:47:11 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	5.612	114	156884	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	155406	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	64335	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	54092	4.845	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.564	69	43609	5.337	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.104	63	75383	2.895	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.000%#
20) 2-Butanone-d5	3.883	46	111566	80.290	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	160.580%#
24) Chloroform-d	4.346	84	106262	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.030	65	52474	5.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.047	84	196885	4.574	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.066	67	64147	5.126	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.313	98	143543	3.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	7.625	79	15994	3.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.088	63	69601	49.344	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.680%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	41123	5.160	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	52219	5.475	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1109	0.076	ug/L	97
5) Vinyl chloride	1.310	62	1969	0.135	ug/L #	1
8) Chloroethane	1.452	64	57546	6.729	ug/L #	51
14) Carbon disulfide	2.291	76	2805	0.086	ug/L #	85
16) Methylene chloride	2.503	84	8696	0.486	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	246795	10.049	ug/L	97
22) cis-1,2-Dichloroethene	3.908	96	6347	0.487	ug/L	93
25) Chloroform	4.381	83	2409	0.088	ug/L	94
27) 1,2-Dichloroethane	5.133	62	6650	0.475	ug/L	95
33) Benzene	5.104	78	2685	0.052	ug/L	100
34) Trichloroethene	5.931	95	3930	0.289	ug/L	90
35) Methylcyclohexane	6.066	83	16080	0.841	ug/L #	16
37) 1,2-Dichloropropane	6.063	63	7297	0.530	ug/L #	87
47) Tetrachloroethene	7.979	164	772	0.073	ug/L	90
49) Dibromochloromethane	7.982	129	725	0.067	ug/L #	9
53) m,p-Xylene	9.146	106	4574	0.220	ug/L	93
61) 1,2,3-Trichloropropane	11.246	75	8694	1.540	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.535	105	630	0.054	ug/L #	70
71) Naphthalene	13.509	128	1756	0.112	ug/L	97

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Quant Time: Aug 31 04:47:11 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

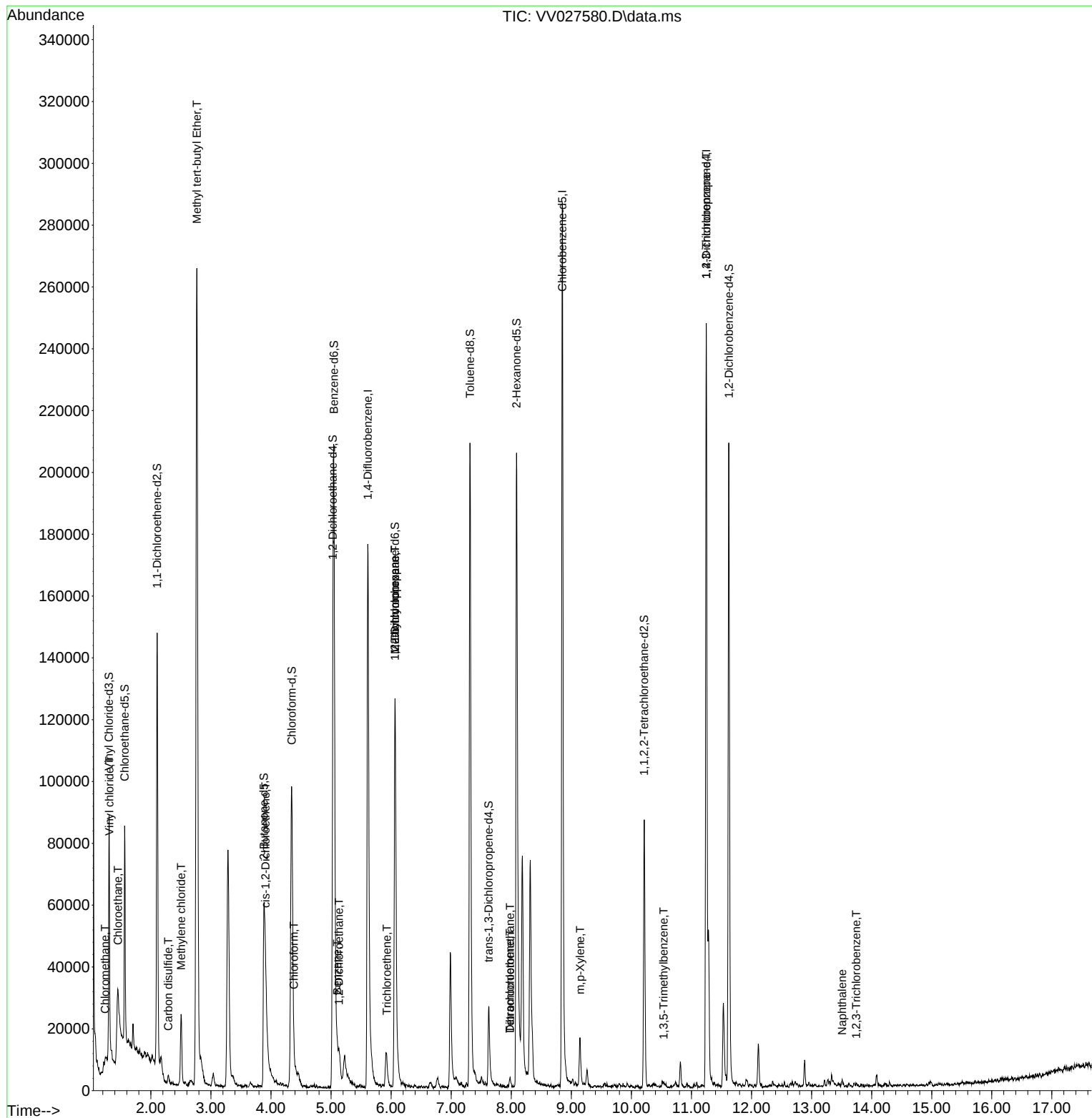
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.744	180	533	0.053	ug/L	# 75

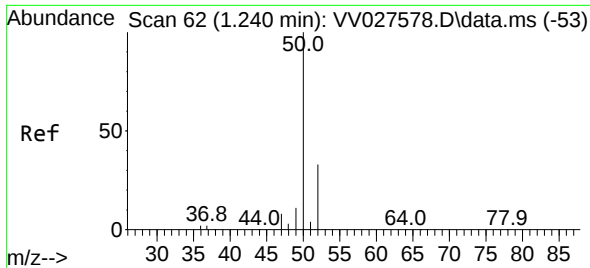
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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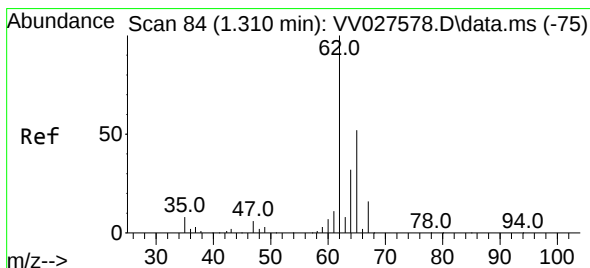
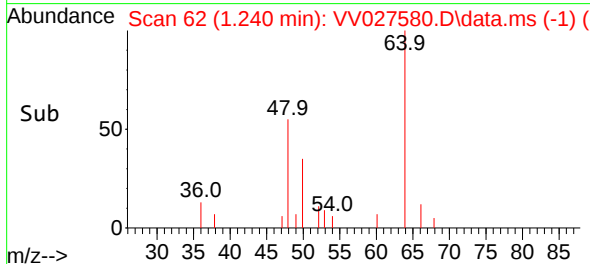
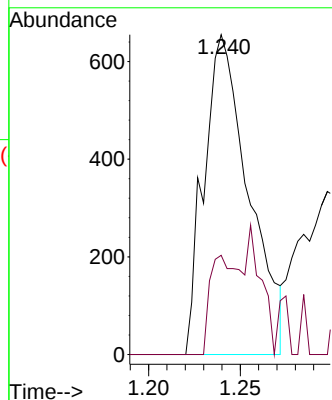
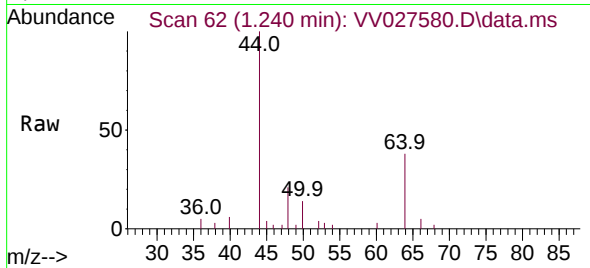




#3
Chloromethane
Concen: 0.076 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

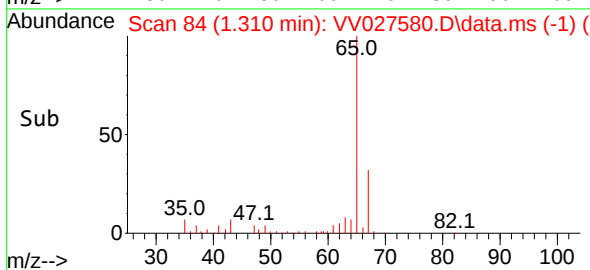
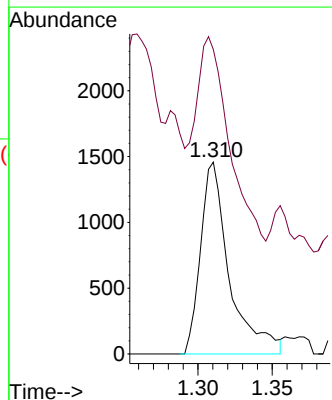
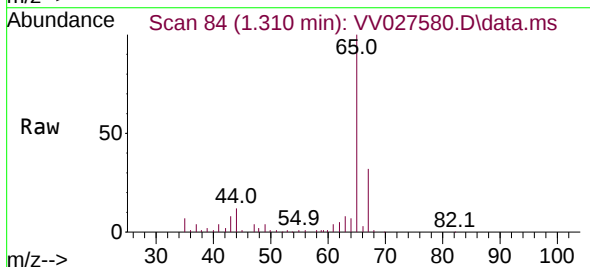
Instrument :
MSVOA_V
ClientSampleId :
DBVB2

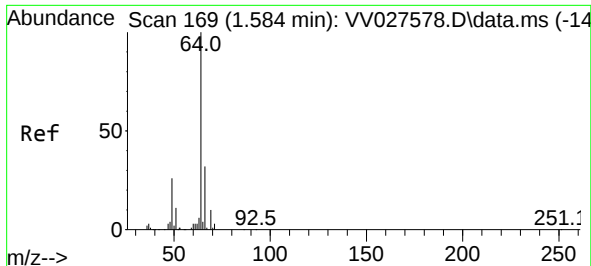
Tgt Ion: 50 Resp: 1109
Ion Ratio Lower Upper
50 100
52 31.0 22.8 42.4



#5
Vinyl chloride
Concen: 0.135 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion: 62 Resp: 1969
Ion Ratio Lower Upper
62 100
64 158.7 22.6 42.0#

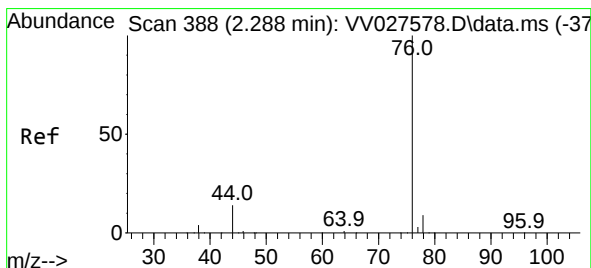
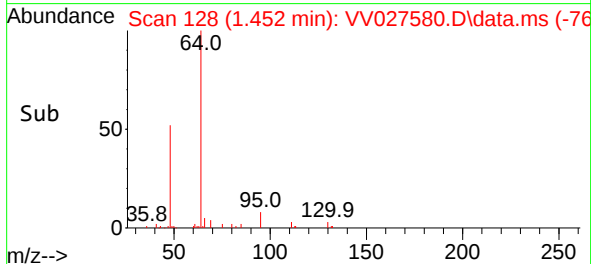
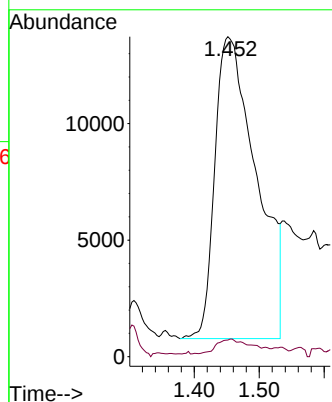
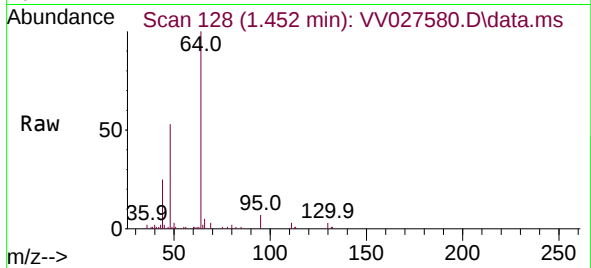




#8
Chloroethane
Concen: 6.729 ug/L
RT: 1.452 min Scan# 11
Delta R.T. -0.132 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

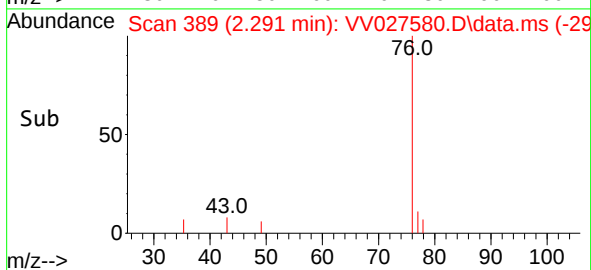
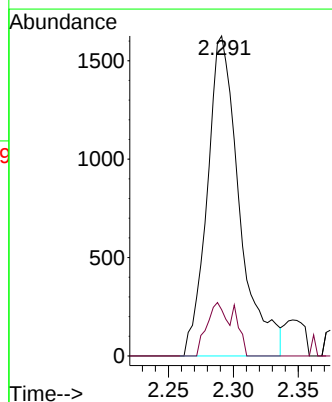
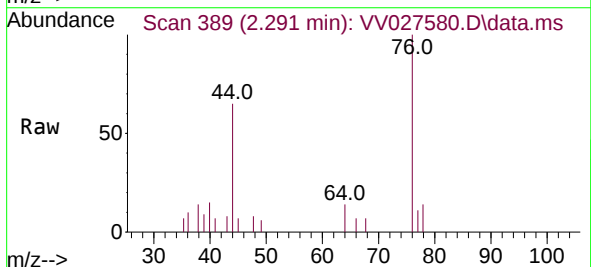
Instrument :
MSVOA_V
ClientSampleId :
DBVB2

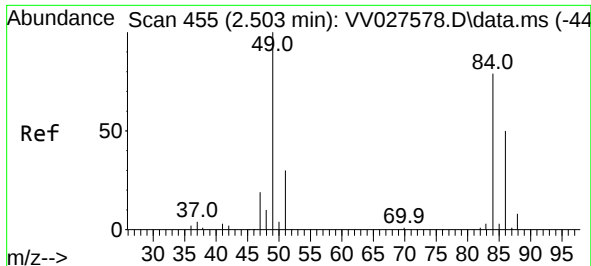
Tgt Ion: 64 Resp: 57546
Ion Ratio Lower Upper
64 100
66 5.2 23.3 43.3#



#14
Carbon disulfide
Concen: 0.086 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion: 76 Resp: 2805
Ion Ratio Lower Upper
76 100
78 14.5 7.3 10.9#

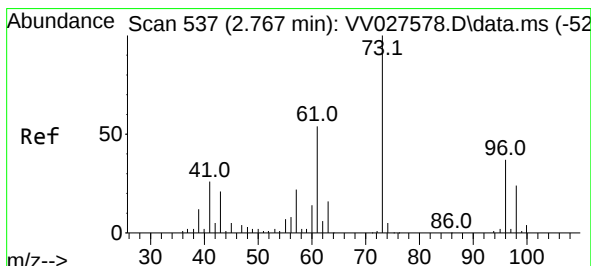
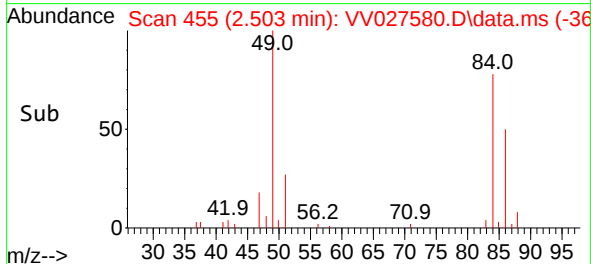
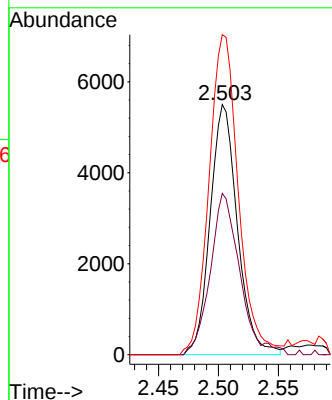
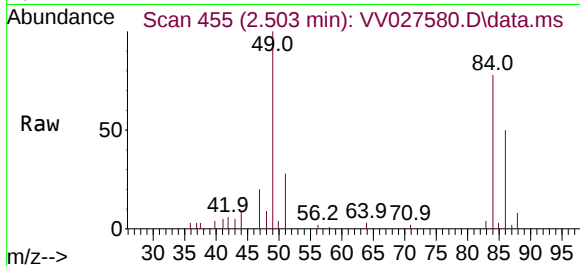




#16
Methylene chloride
Concen: 0.486 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

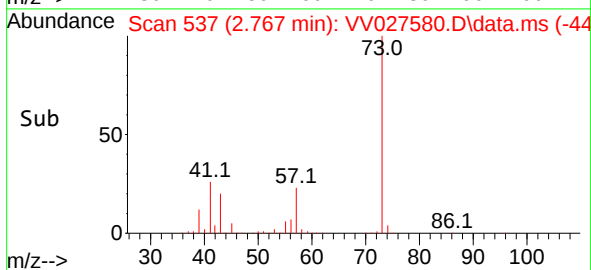
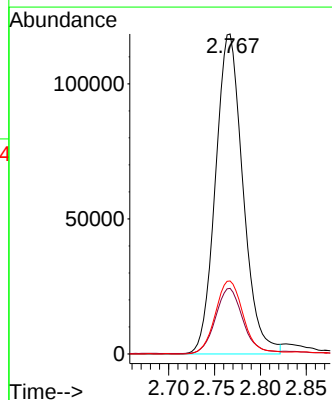
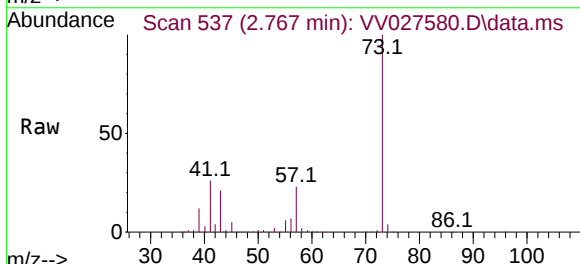
Instrument :
MSVOA_V
ClientSampleId :
DBVB2

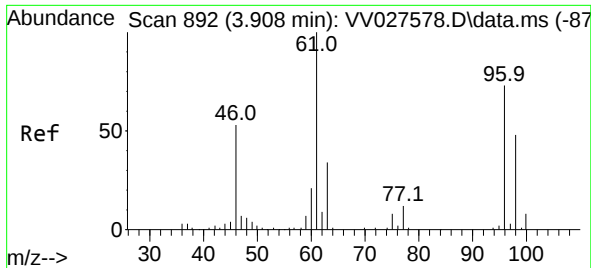
Tgt Ion:	84	Resp:	8696
Ion	Ratio	Lower	Upper
84	100		
86	64.5	44.0	81.6
49	127.9	89.4	166.0



#17
Methyl tert-butyl Ether
Concen: 10.049 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion:	73	Resp:	246795
Ion	Ratio	Lower	Upper
73	100		
43	20.4	15.6	23.4
57	23.4	17.0	25.6

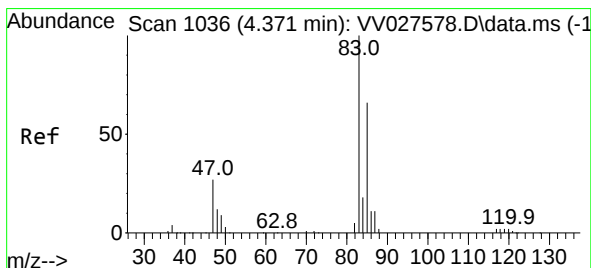
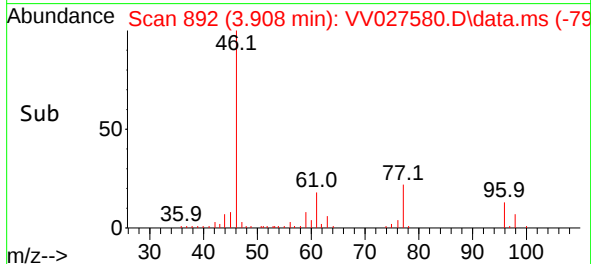
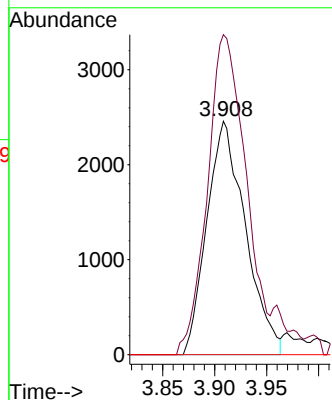
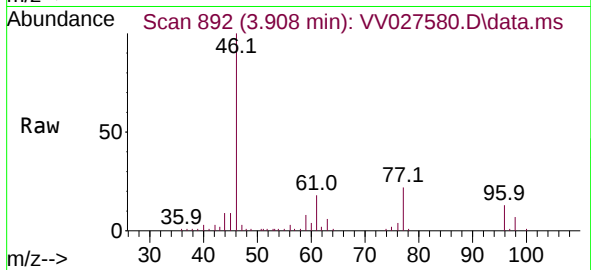




#22
 cis-1,2-Dichloroethene
 Concen: 0.487 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. -0.000 min
 Lab File: VV027580.D
 Acq: 30 Aug 2022 12:46

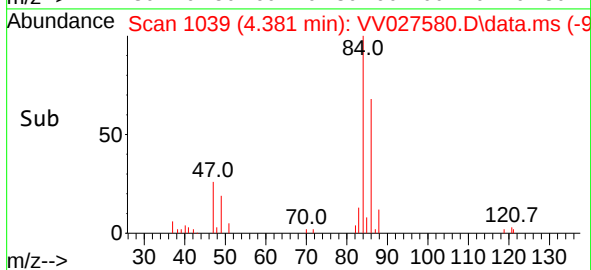
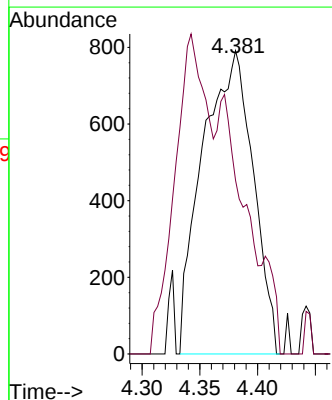
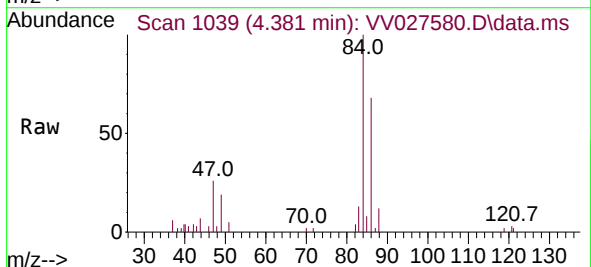
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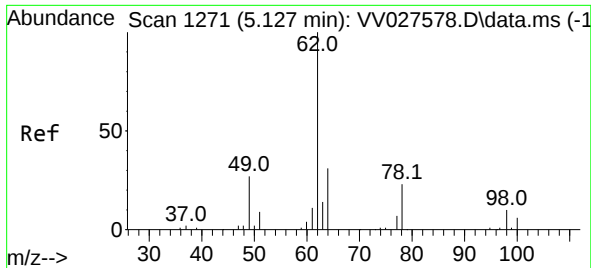
Tgt Ion: 96 Resp: 6347
 Ion Ratio Lower Upper
 96 100
 61 137.1 90.6 168.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.088 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.010 min
 Lab File: VV027580.D
 Acq: 30 Aug 2022 12:46

Tgt Ion: 83 Resp: 2409
 Ion Ratio Lower Upper
 83 100
 85 57.3 43.3 80.5

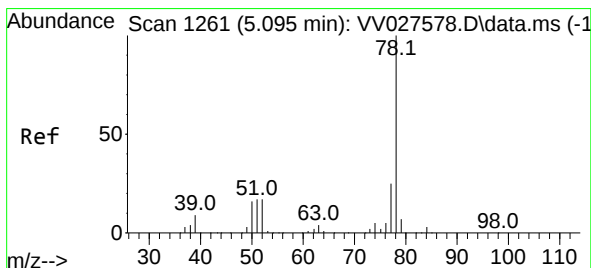
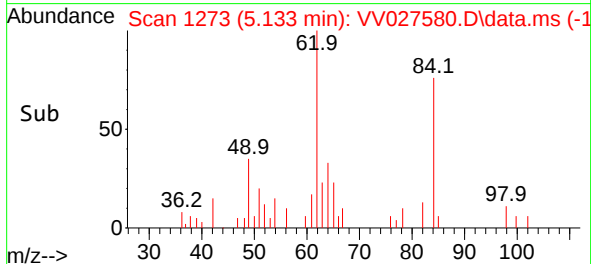
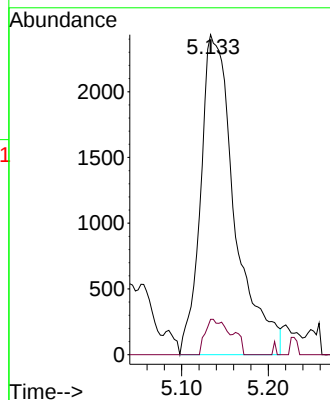
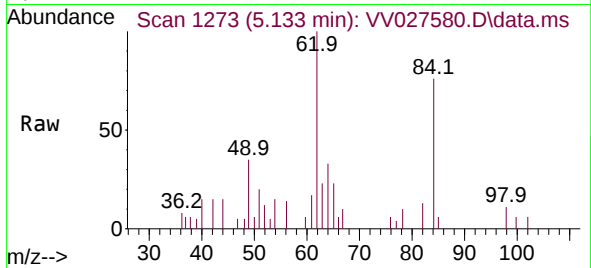




#27
1,2-Dichloroethane
Concen: 0.475 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

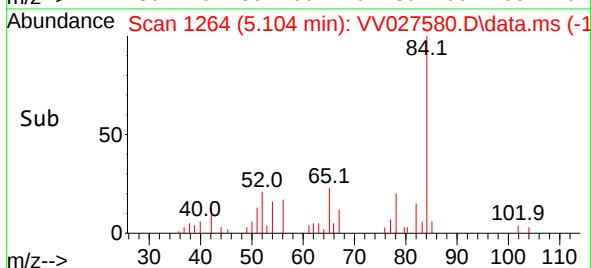
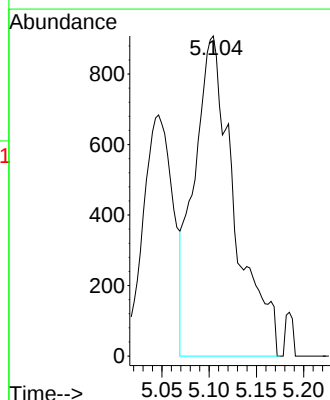
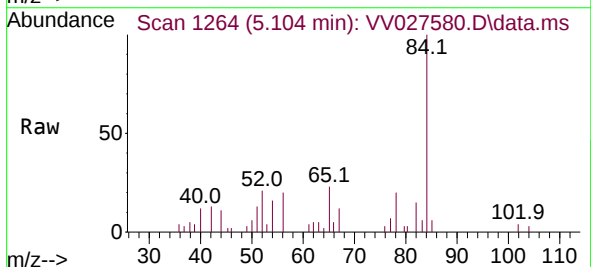
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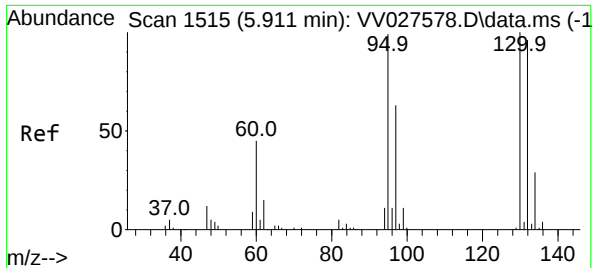
Tgt Ion: 62 Resp: 6650
Ion Ratio Lower Upper
62 100
98 11.1 7.4 11.2



#33
Benzene
Concen: 0.052 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion: 78 Resp: 2685



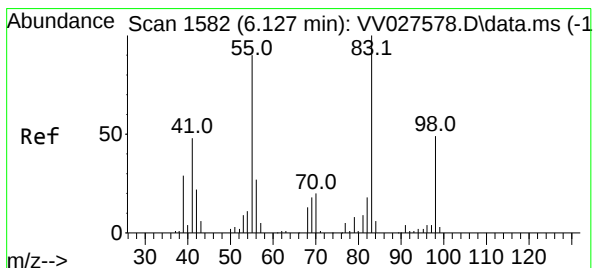
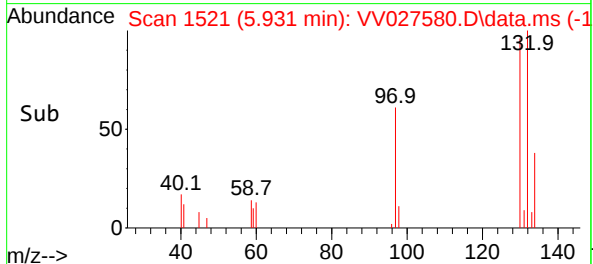
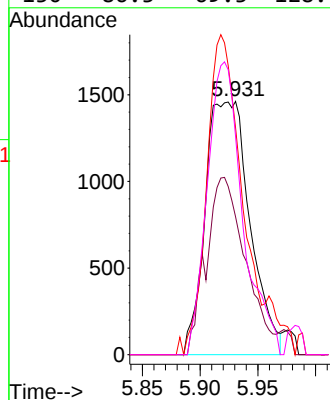
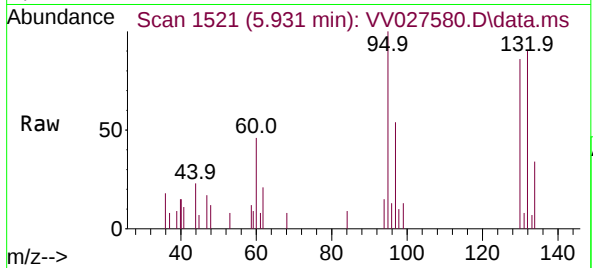


#34
Trichloroethene
Concen: 0.289 ug/L
RT: 5.931 min Scan# 11
Delta R.T. 0.019 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Instrument :
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Tgt Ion: 95 Resp: 3930

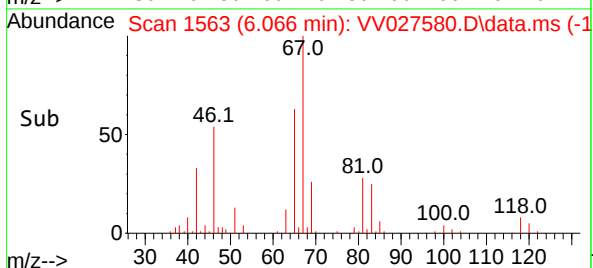
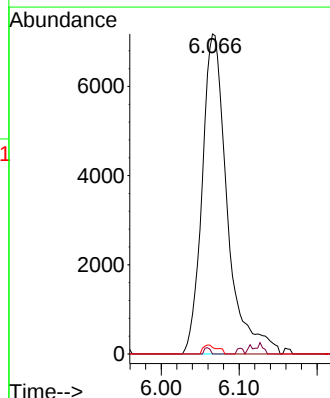
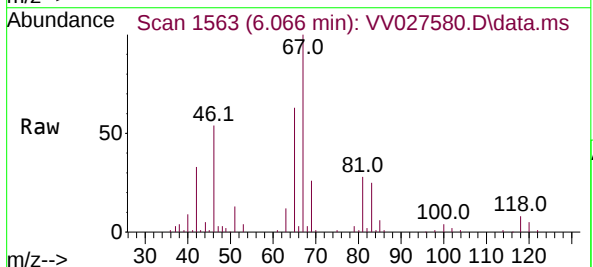
Ion	Ratio	Lower	Upper
95	100		
97	54.4	45.0	83.6
132	89.7	65.7	121.9
130	86.3	69.3	128.7

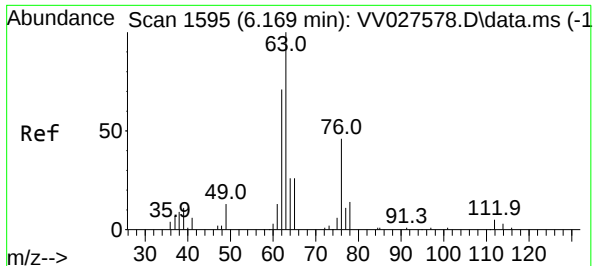


#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion: 83 Resp: 16080

Ion	Ratio	Lower	Upper
83	100		
55	0.4	68.2	102.4#
98	1.6	39.0	58.4#





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV027580.D

Acq: 30 Aug 2022 12:46

Instrument :

MSVOA_V

ClientSampleId :

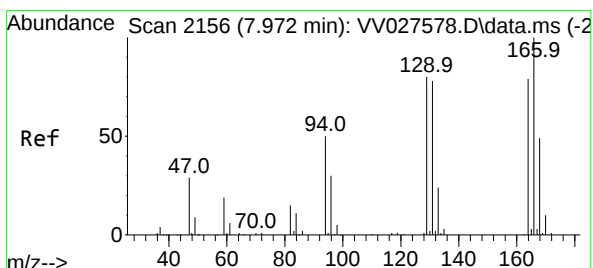
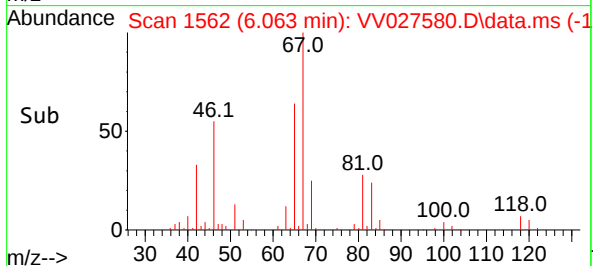
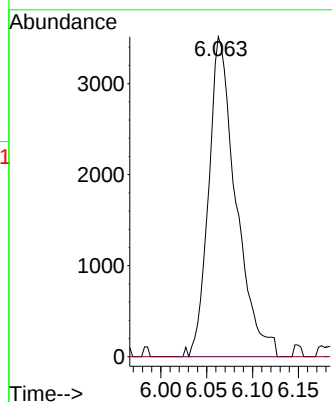
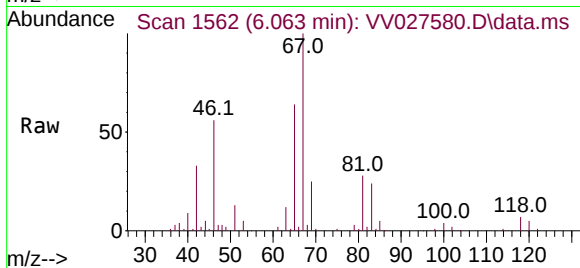
DBVB2

Tgt Ion: 63 Resp: 7297

Ion Ratio Lower Upper

63 100

112 0.6 3.9 5.9#



#47

Tetrachloroethene

Concen: 0.073 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV027580.D

Acq: 30 Aug 2022 12:46

Tgt Ion: 164 Resp: 772

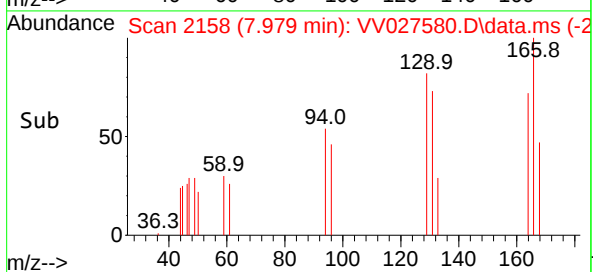
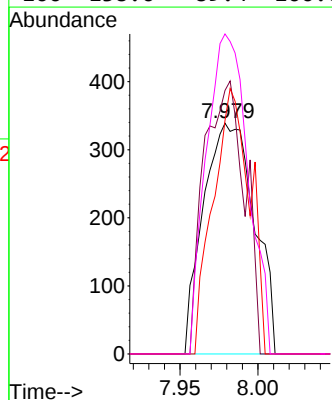
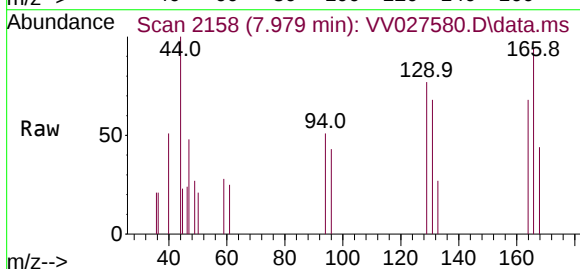
Ion Ratio Lower Upper

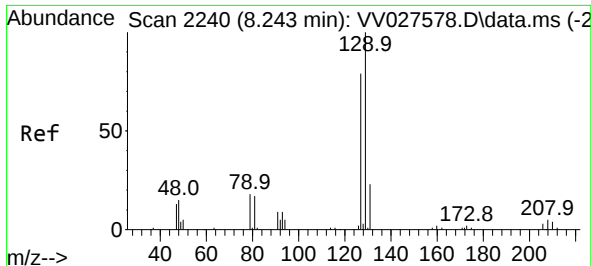
164 100

129 114.2 71.1 132.1

131 101.2 64.5 119.9

166 138.6 89.4 166.0





#49

Dibromochloromethane

Concen: 0.067 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.260 min

Lab File: VV027580.D

Acq: 30 Aug 2022 12:46

Instrument :

MSVOA_V

ClientSampleId :

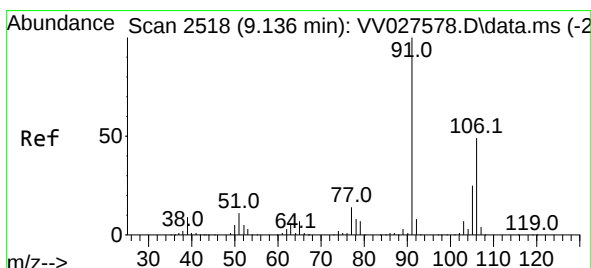
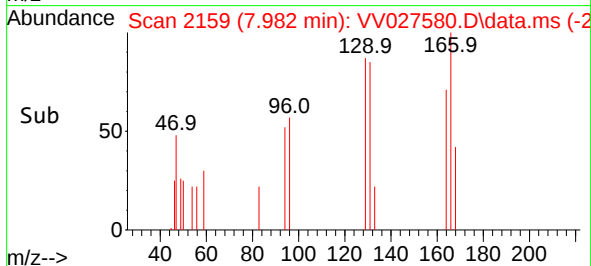
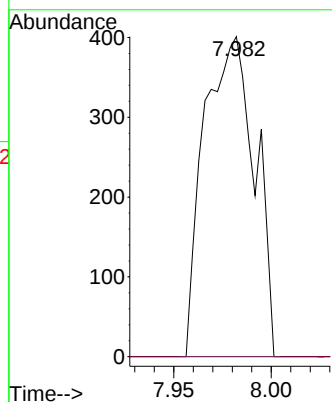
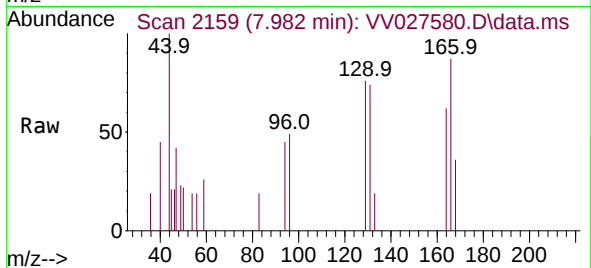
DBVB2

Tgt Ion:129 Resp: 725

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#53

m,p-Xylene

Concen: 0.220 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV027580.D

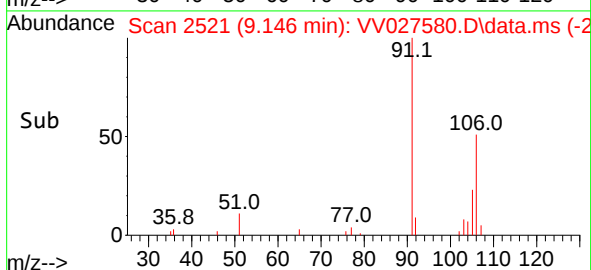
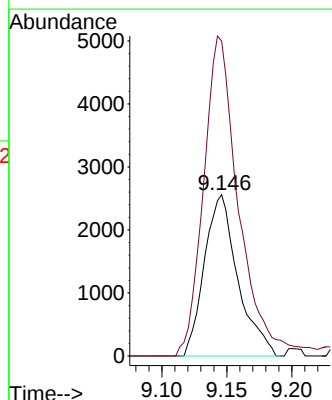
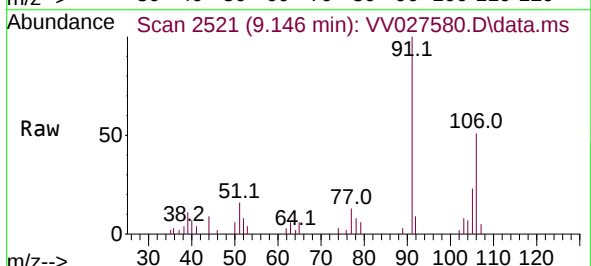
Acq: 30 Aug 2022 12:46

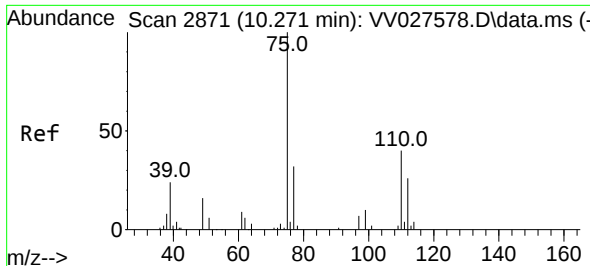
Tgt Ion:106 Resp: 4574

Ion Ratio Lower Upper

106 100

91 195.2 143.8 267.0





#61

1,2,3-Trichloropropane

Concen: 1.540 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV027580.D

Acq: 30 Aug 2022 12:46

Instrument :

MSVOA_V

ClientSampleId :

DBVB2

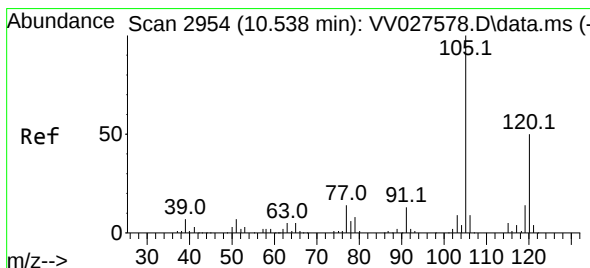
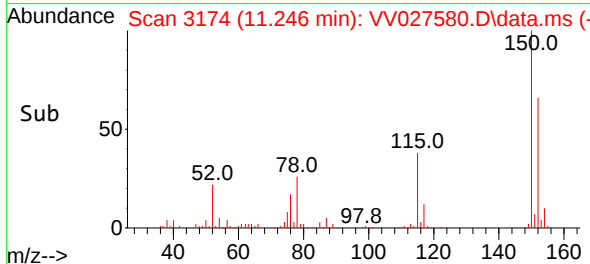
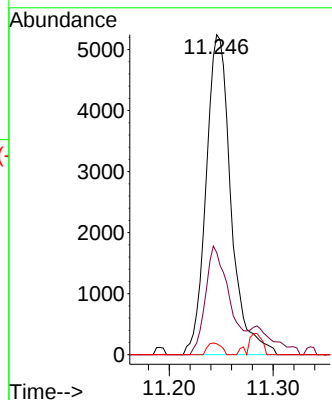
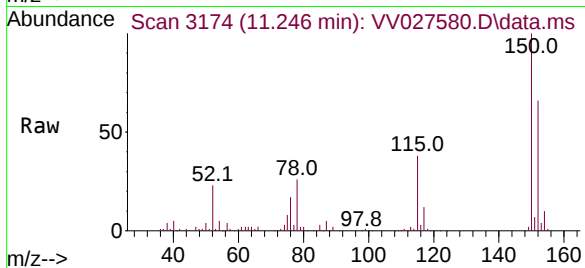
Tgt Ion: 75 Resp: 8694

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

110 2.0 29.9 44.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.054 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.003 min

Lab File: VV027580.D

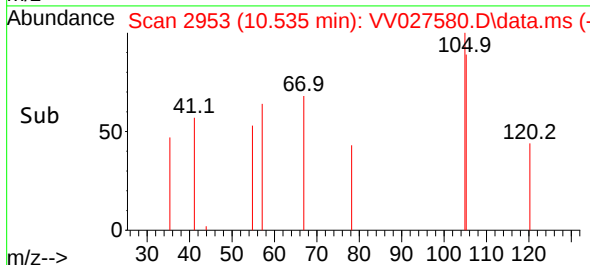
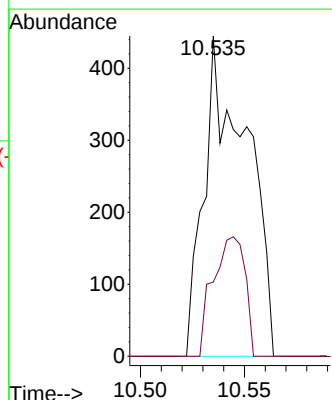
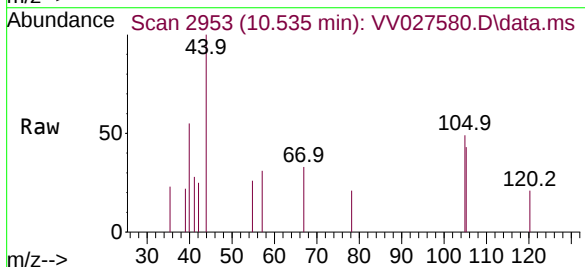
Acq: 30 Aug 2022 12:46

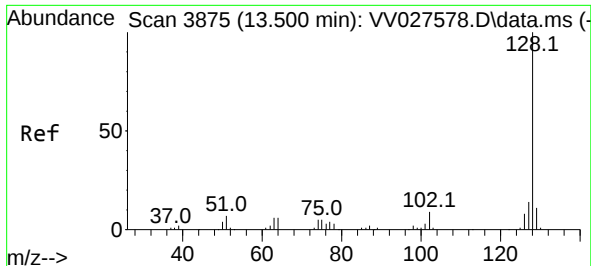
Tgt Ion: 105 Resp: 630

Ion Ratio Lower Upper

105 100

120 28.1 38.7 58.1#

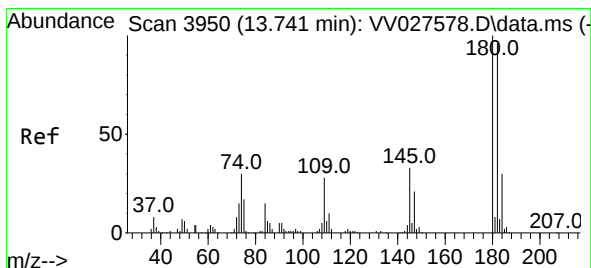
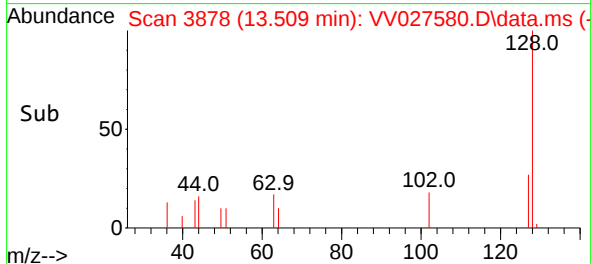
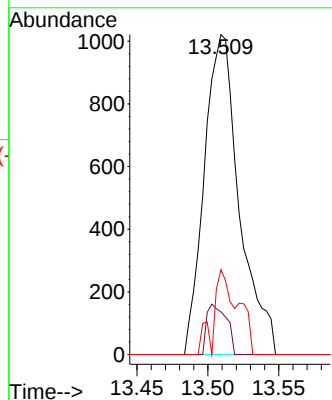
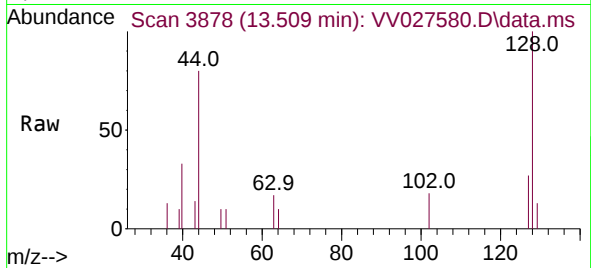




#71
Naphthalene
Concen: 0.112 ug/L
RT: 13.509 min Scan# 3875
Delta R.T. 0.010 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Instrument :
MSVOA_V
ClientSampleId :
DBVB2

Tgt Ion:128 Resp: 1756
Ion Ratio Lower Upper
128 100
129 8.8 8.7 13.1
127 13.6 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.053 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV027580.D
Acq: 30 Aug 2022 12:46

Tgt Ion:180 Resp: 533
Ion Ratio Lower Upper
180 100
182 69.6 75.3 112.9#
145 19.3 26.6 39.8#

