

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027862.D
 Acq On : 15 Sep 2022 18:16
 Operator : SY/MD
 Sample : N4652-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ31

Quant Time: Sep 16 01:34:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 01:29:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	120512	5.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.850	117	120309	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57800	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	26554	3.343	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.568	69	30415	4.513	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.105	63	44852	2.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.200%#
20) 2-Butanone-d5	3.889	46	67271	38.212	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.420%
24) Chloroform-d	4.346	84	78438	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.031	65	39362	4.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.047	84	137324	3.934	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.066	67	38505	3.768	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.400%
41) Toluene-d8	7.314	98	112001	3.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	7.625	79	12888	3.759	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.088	63	51634	40.519	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.040%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	27106	4.131	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	44902	4.729	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
6) Bromomethane	1.520	94	324	0.055	ug/L #	55
12) 1,1-Dichloroethene	2.114	96	1631	0.204	ug/L #	1
14) Carbon disulfide	2.294	76	2433	0.103	ug/L	99
17) Methyl tert-butyl Ether	2.770	73	4625	0.244	ug/L	97
18) trans-1,2-Dichloroethene	2.767	96	549	0.065	ug/L #	49
19) 1,1-Dichloroethane	3.195	63	2680	0.169	ug/L #	60
22) cis-1,2-Dichloroethene	3.918	96	5359	0.583	ug/L #	91
25) Chloroform	4.375	83	14375	0.819	ug/L	92
27) 1,2-Dichloroethane	5.050	62	696	0.065	ug/L #	75
29) 1,1,1-Trichloroethane	4.606	97	15919	0.860	ug/L	95
34) Trichloroethene	5.915	95	6461	0.650	ug/L	84
35) Methylcyclohexane	6.066	83	10542	0.690	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	4937	0.524	ug/L #	85
38) Bromodichloromethane	6.519	83	1153	0.092	ug/L #	77
39) cis-1,3-Dichloropropene	6.989	75	911	0.077	ug/L #	51
47) Tetrachloroethene	7.976	164	9615	1.205	ug/L	94
49) Dibromochloromethane	7.976	129	7767	1.001	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.246	75	231	0.235	ug/L #	1
71) Naphthalene	13.506	128	1855	0.108	ug/L #	83

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 16 01:29:01 2022
Response via : Initial Calibration

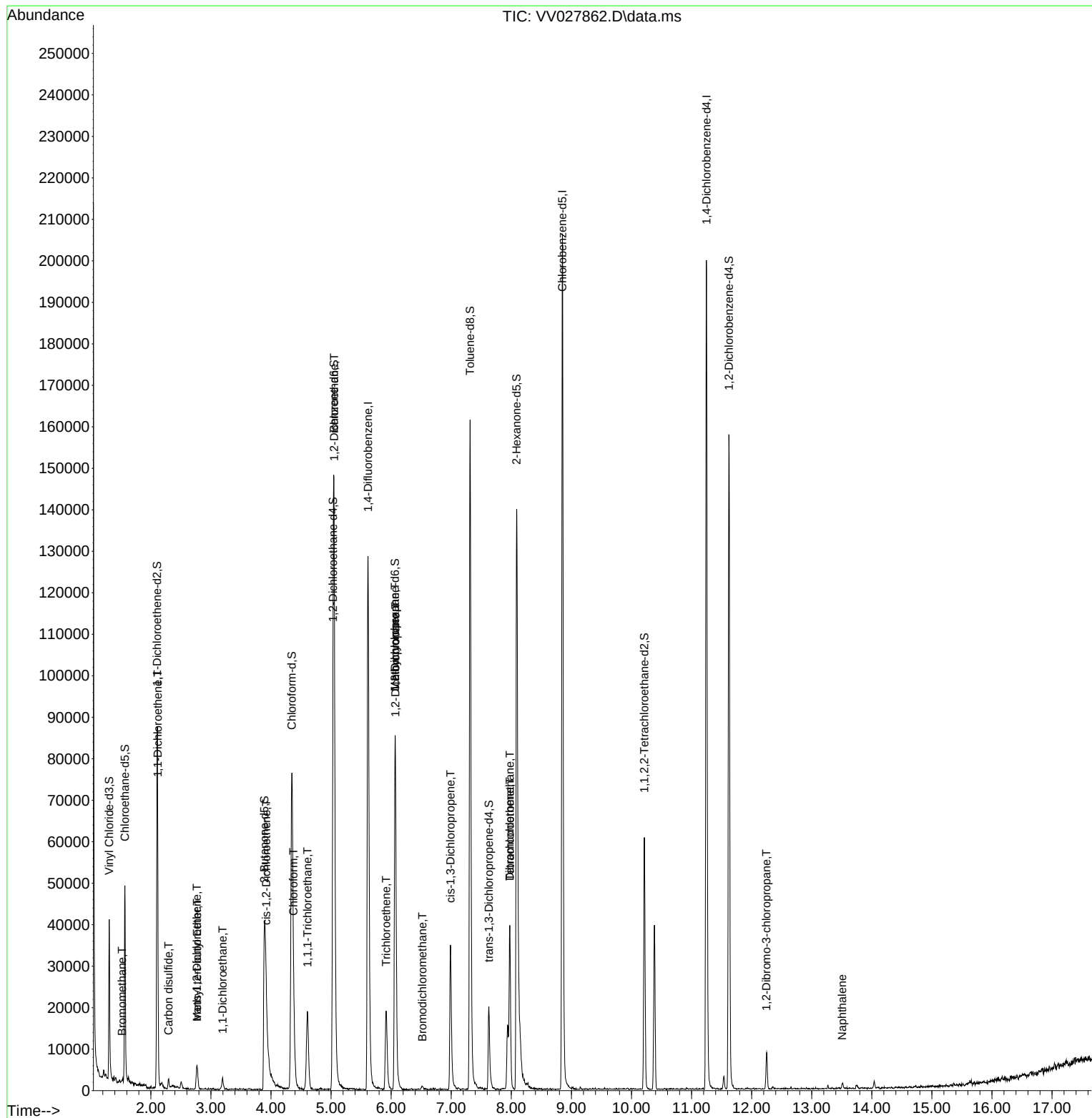
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

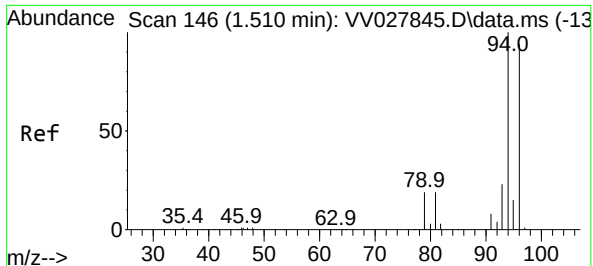
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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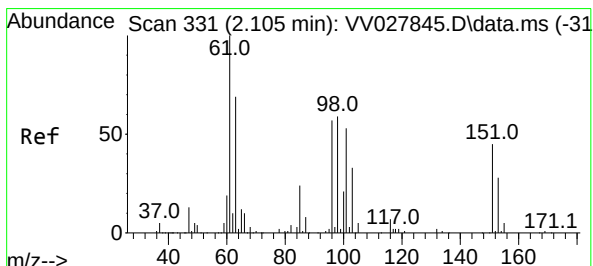
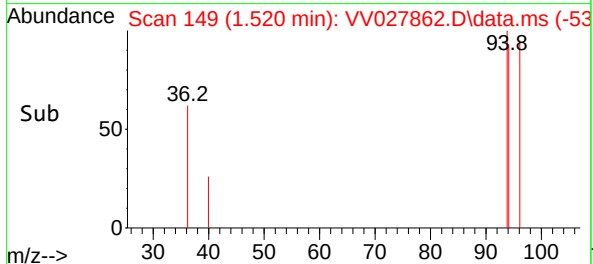
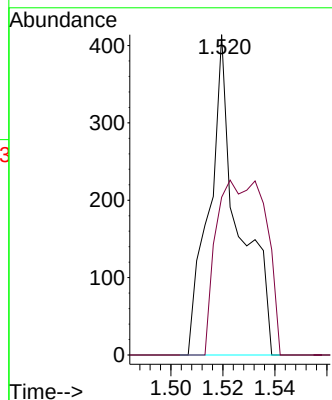
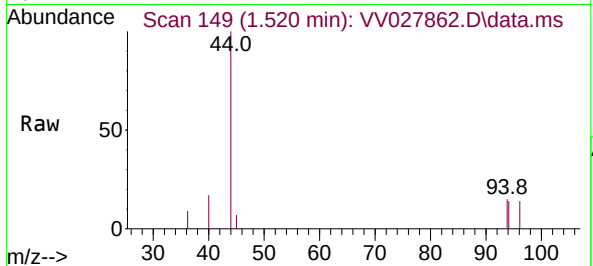




#6
Bromomethane
Concen: 0.055 ug/L
RT: 1.520 min Scan# 14
Delta R.T. 0.010 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

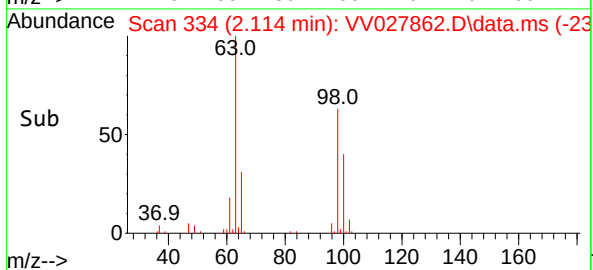
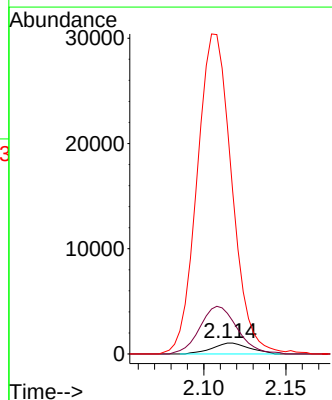
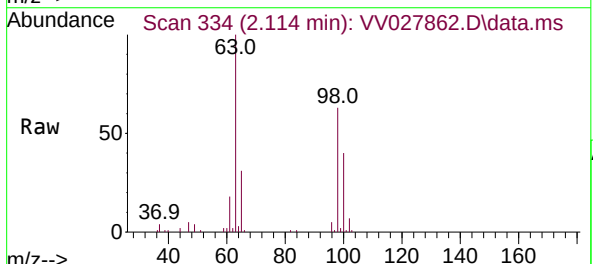
Instrument :
MSVOA_V
ClientSampleId :
EXZ31

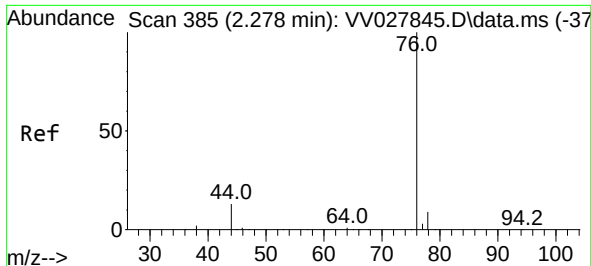
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 49.3 64.2 119.2#



#12
1,1-Dichloroethene
Concen: 0.204 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.010 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

Tgt Ion: 96 Resp: 1631
Ion Ratio Lower Upper
96 100
61 374.2 129.9 241.3#
63 2100.0 94.6 175.8#

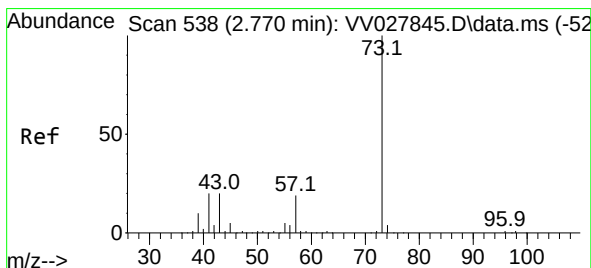
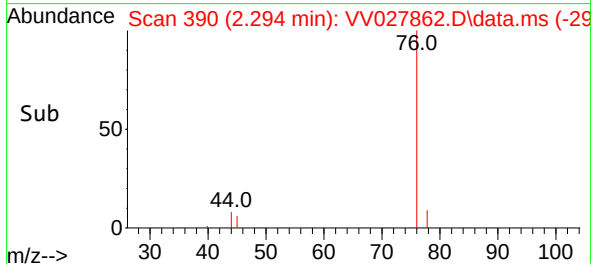
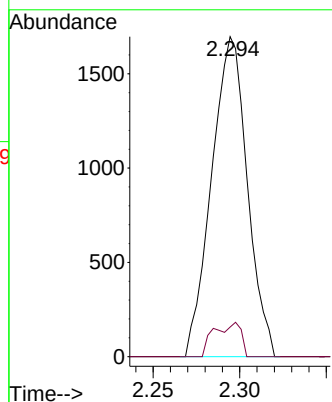
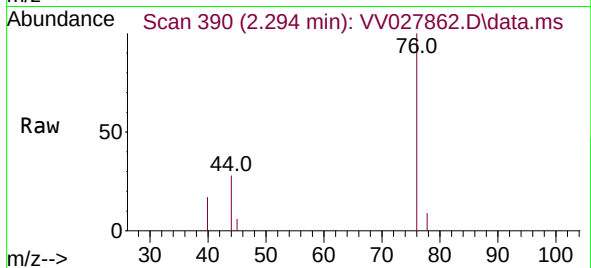




#14
Carbon disulfide
Concen: 0.103 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.016 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

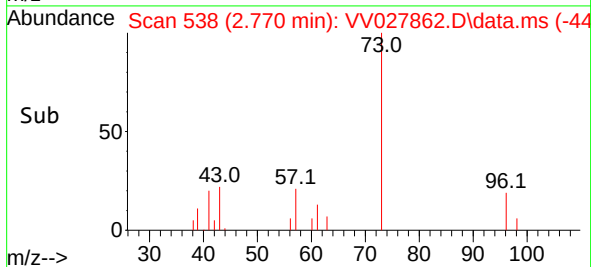
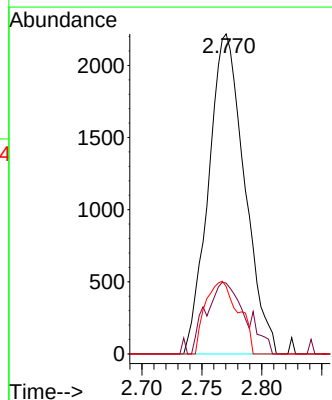
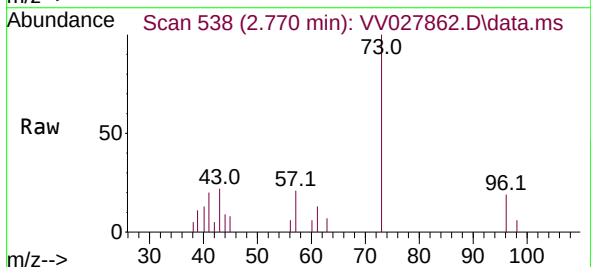
Instrument :
MSVOA_V
ClientSampleId :
EXZ31

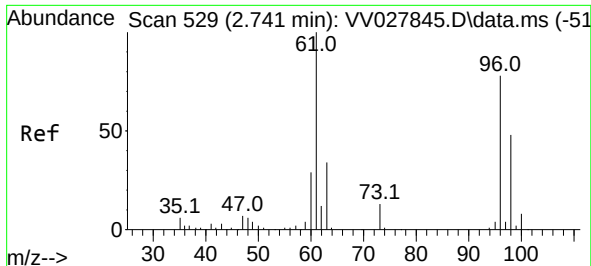
Tgt Ion: 76 Resp: 2433
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5



#17
Methyl tert-butyl Ether
Concen: 0.244 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.000 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

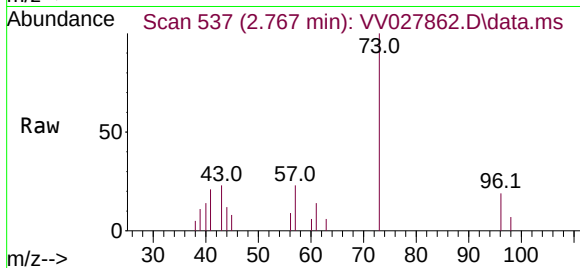
Tgt Ion: 73 Resp: 4625
Ion Ratio Lower Upper
73 100
43 24.6 17.5 26.3
57 20.8 16.9 25.3



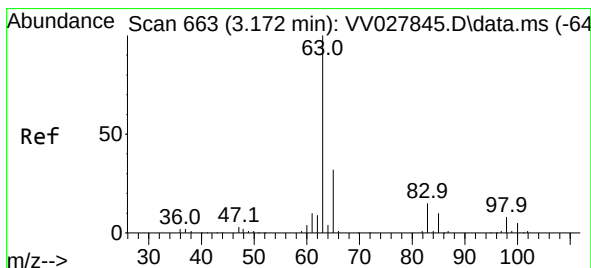
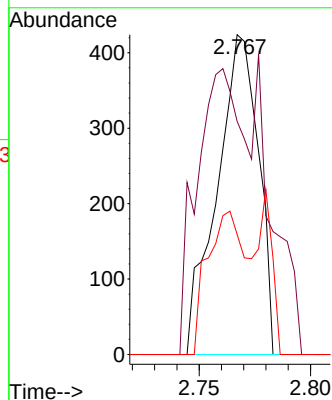
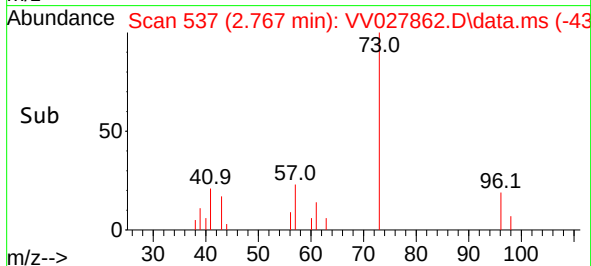


#18
trans-1,2-Dichloroethene
Concen: 0.065 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.026 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

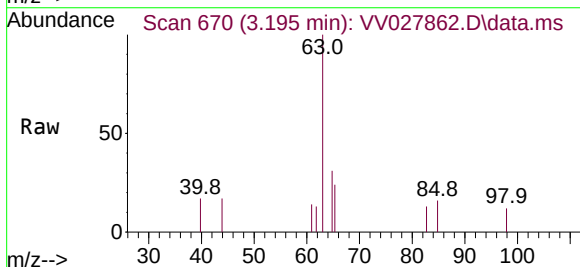
Instrument :
MSVOA_V
ClientSampleId :
EXZ31



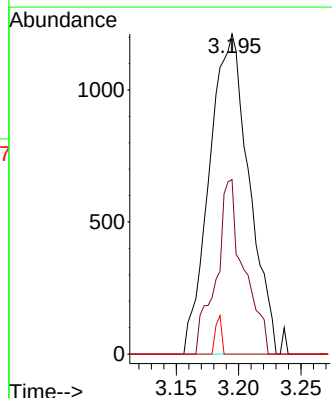
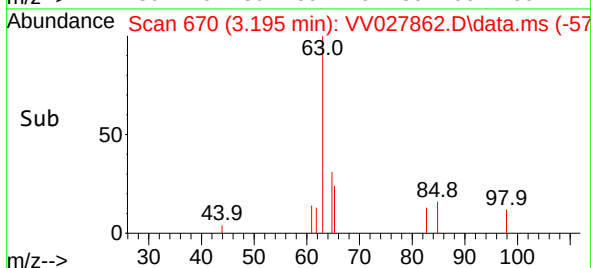
Tgt Ion: 96 Resp: 549
Ion Ratio Lower Upper
96 100
61 72.9 102.6 190.5#
98 37.5 44.0 81.8#

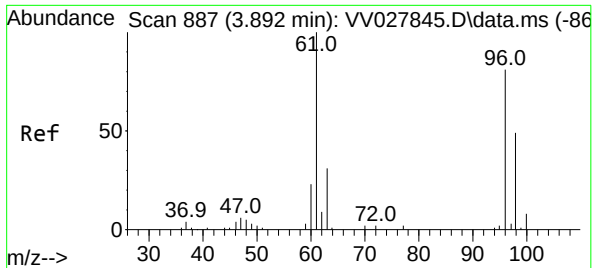


#19
1,1-Dichloroethane
Concen: 0.169 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.023 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16



Tgt Ion: 63 Resp: 2680
Ion Ratio Lower Upper
63 100
65 54.5 22.0 41.0#
83 0.0 10.1 18.9#

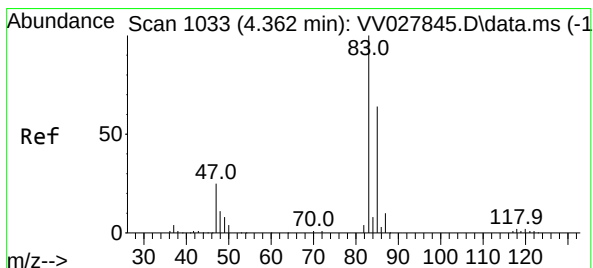
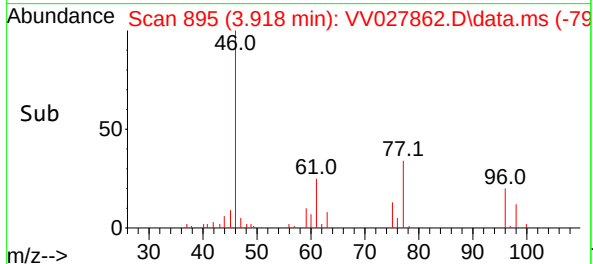
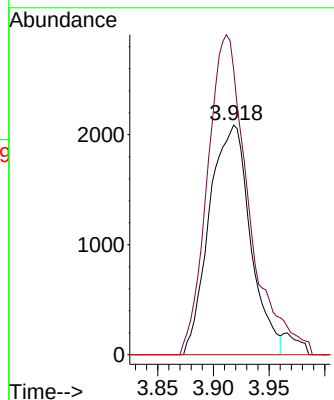
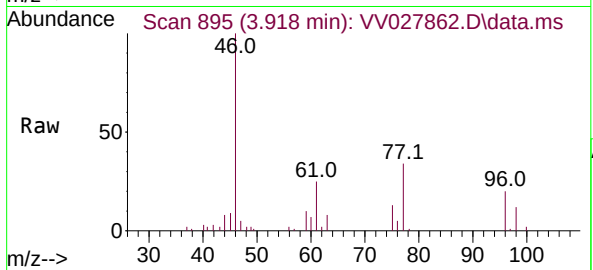




#22
 cis-1,2-Dichloroethene
 Concen: 0.583 ug/L
 RT: 3.918 min Scan# 895
 Delta R.T. 0.026 min
 Lab File: VV027862.D
 Acq: 15 Sep 2022 18:16

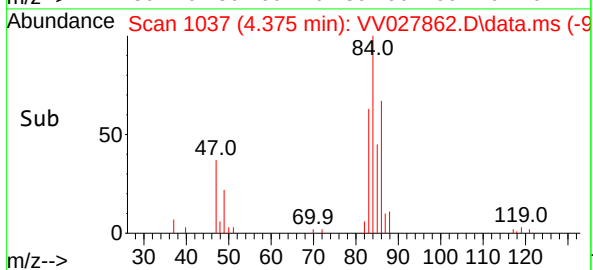
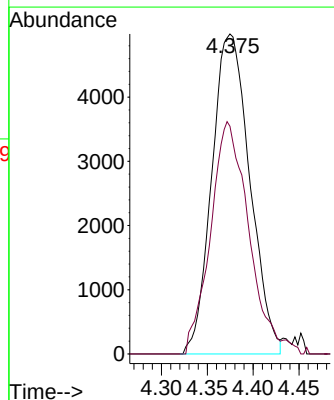
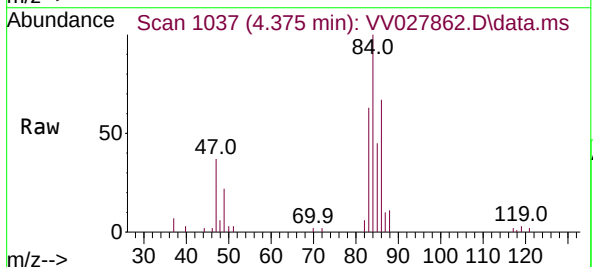
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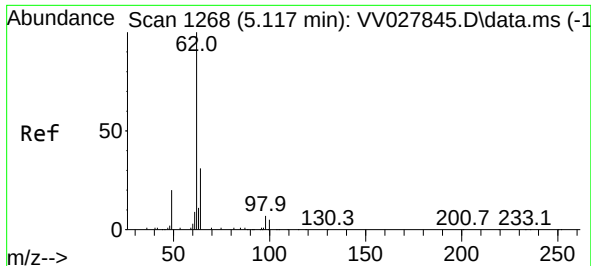
Tgt Ion: 96 Resp: 5359
 Ion Ratio Lower Upper
 96 100
 61 124.2 94.6 175.6
 68 0.0 0.3 0.5#



#25
 Chloroform
 Concen: 0.819 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.013 min
 Lab File: VV027862.D
 Acq: 15 Sep 2022 18:16

Tgt Ion: 83 Resp: 14375
 Ion Ratio Lower Upper
 83 100
 85 71.1 45.4 84.2





#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.050 min Scan# 1109

Delta R.T. -0.067 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

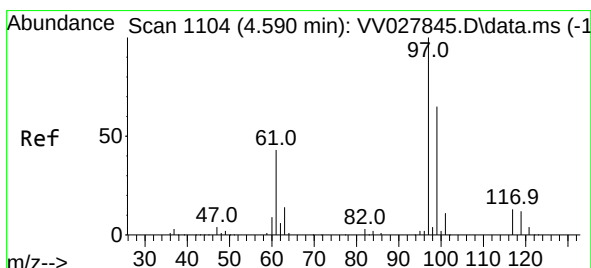
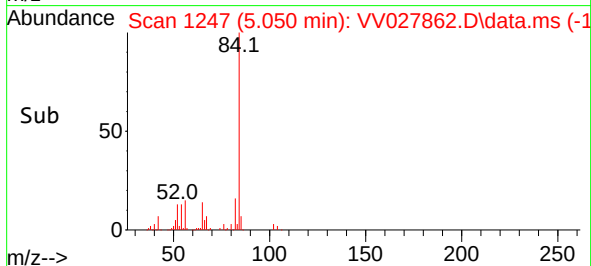
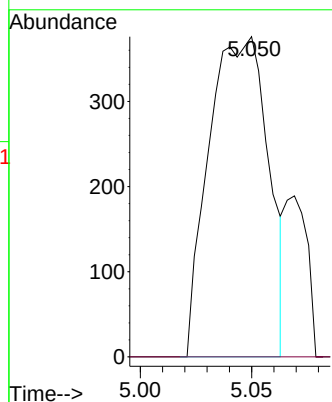
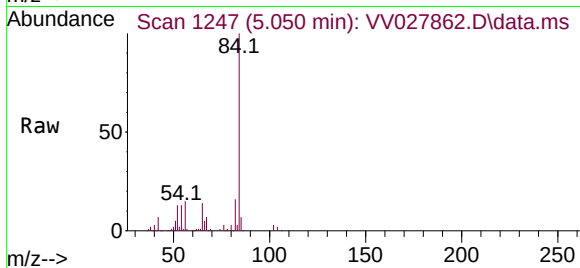
EXZ31

Tgt Ion: 62 Resp: 696

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



#29

1,1,1-Trichloroethane

Concen: 0.860 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

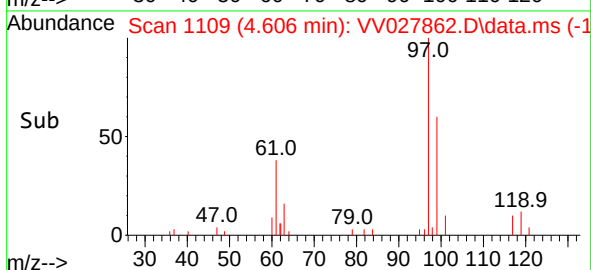
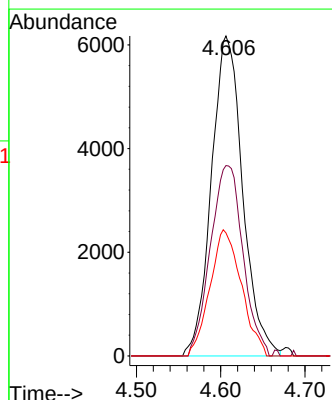
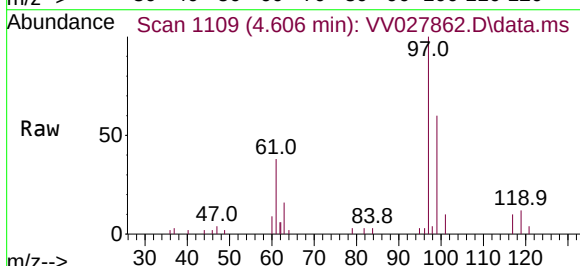
Tgt Ion: 97 Resp: 15919

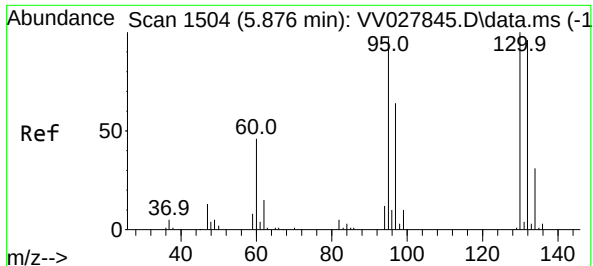
Ion Ratio Lower Upper

97 100

99 62.0 50.8 76.2

61 39.6 36.2 54.4





#34

Trichloroethene

Concen: 0.650 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.039 min

Lab File: VV027862.D

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Tgt Ion: 95 Resp: 6461

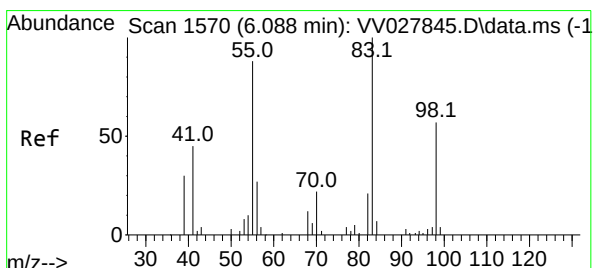
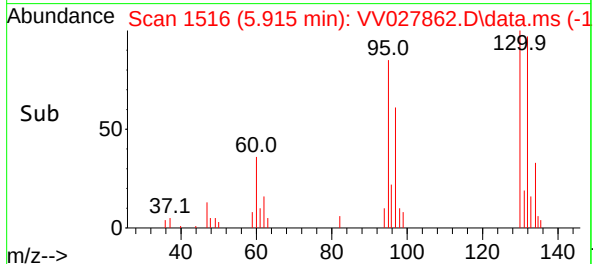
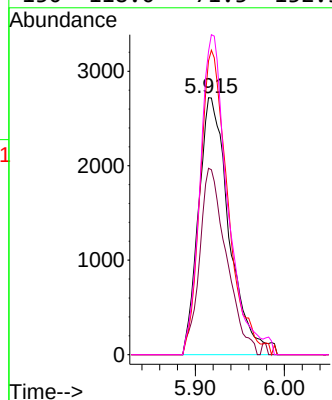
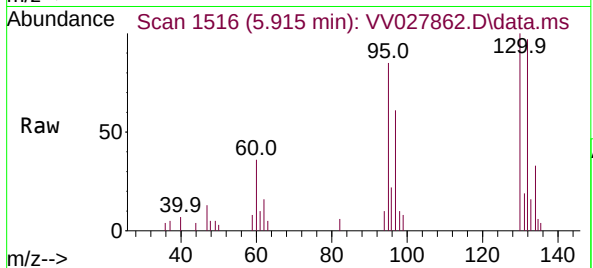
Ion Ratio Lower Upper

95 100

97 72.6 42.9 79.7

132 114.4 67.9 126.1

130 118.0 71.3 132.3



#35

Methylcyclohexane

Concen: 0.690 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.022 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

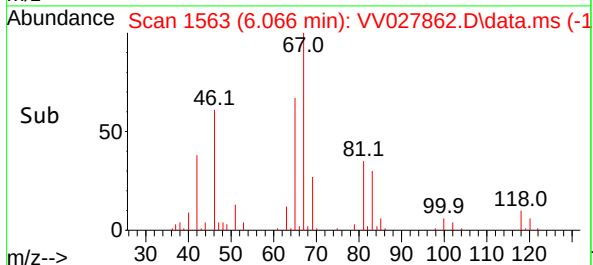
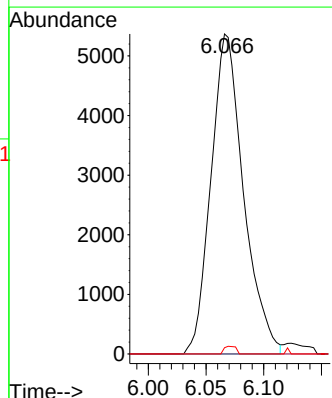
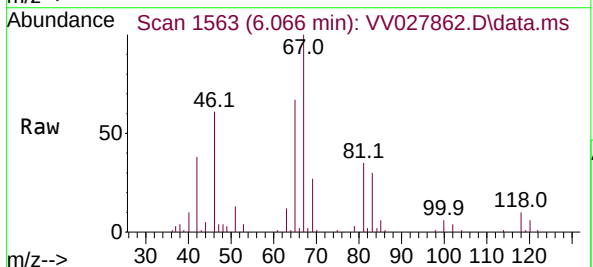
Tgt Ion: 83 Resp: 10542

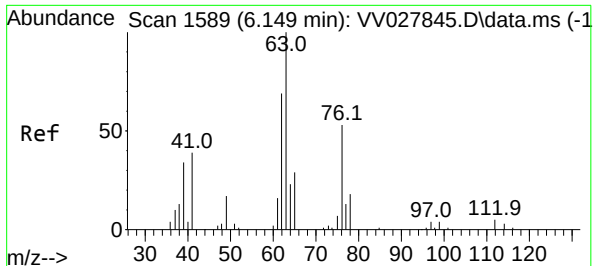
Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 0.9 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.524 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.077 min

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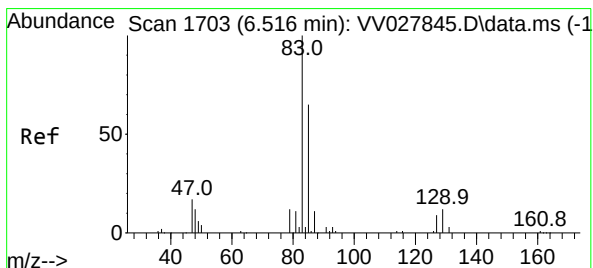
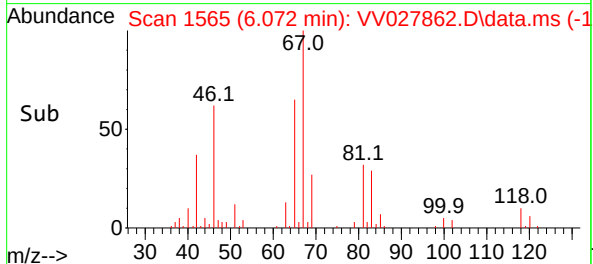
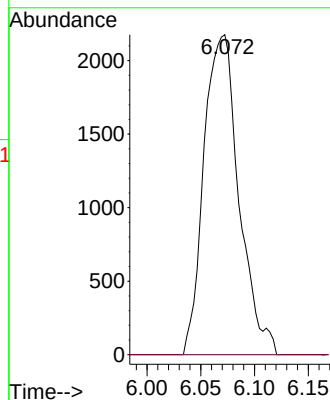
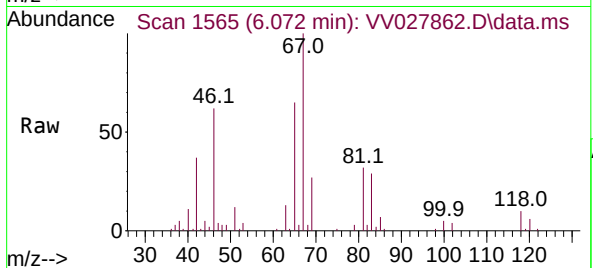
EXZ31

Tgt Ion: 63 Resp: 4937

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 0.092 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.003 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

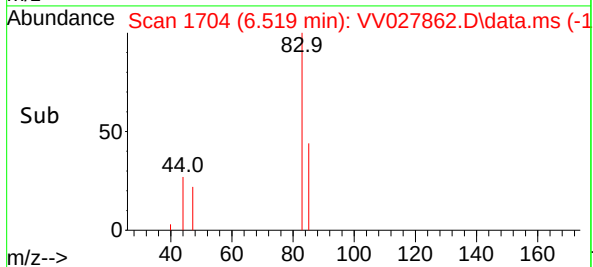
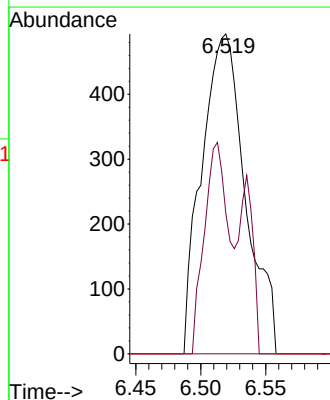
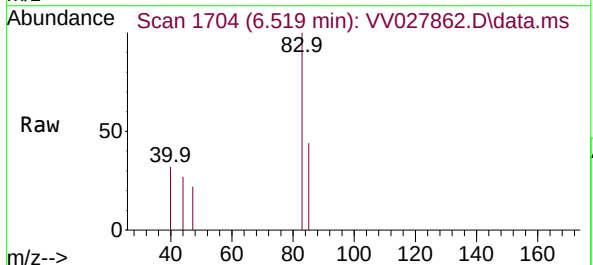
Tgt Ion: 83 Resp: 1153

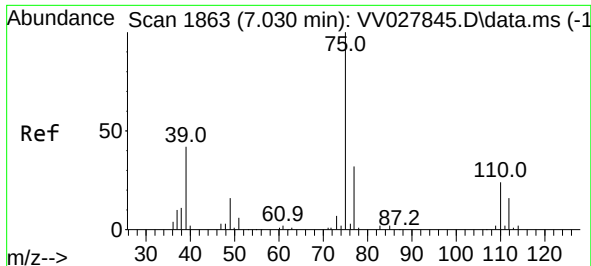
Ion Ratio Lower Upper

83 100

85 44.0 43.3 80.3

127 0.0 7.1 10.7#





#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

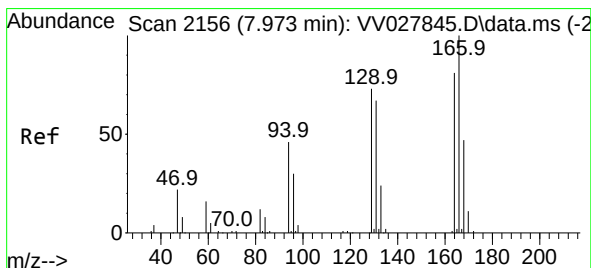
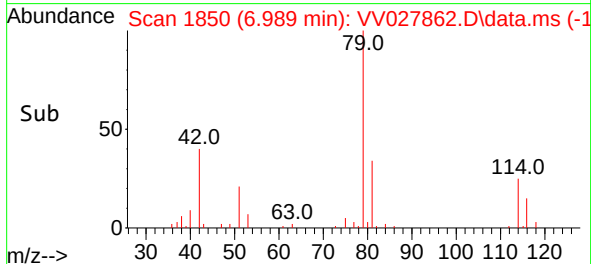
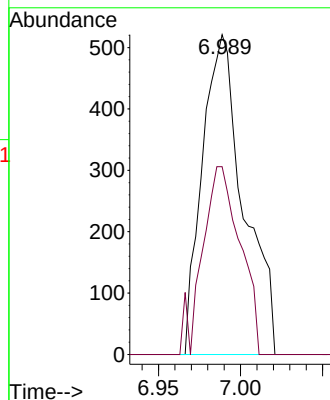
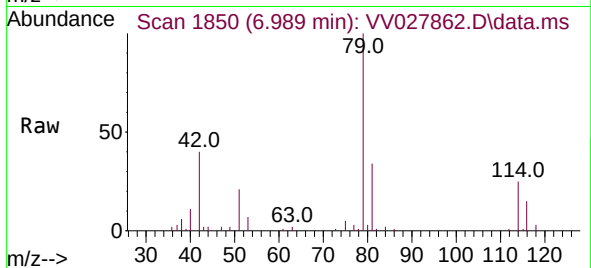
EXZ31

Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 58.7 22.0 40.8#



#47

Tetrachloroethene

Concen: 1.205 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027862.D

Acq: 15 Sep 2022 18:16

Tgt Ion: 164 Resp: 9615

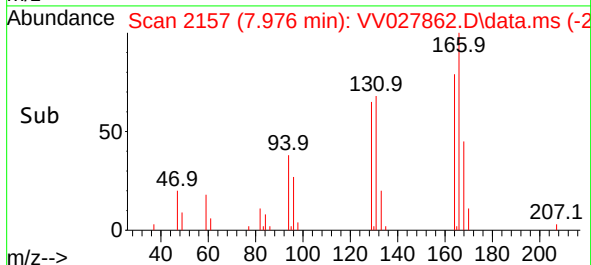
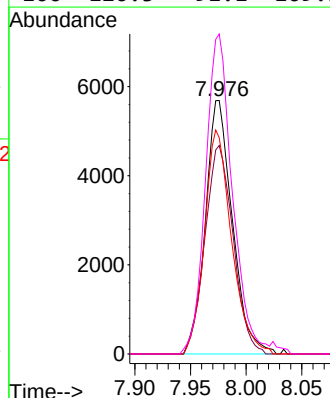
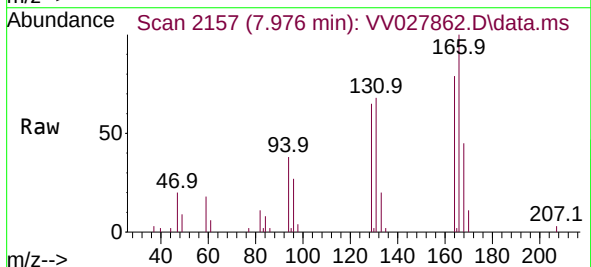
Ion Ratio Lower Upper

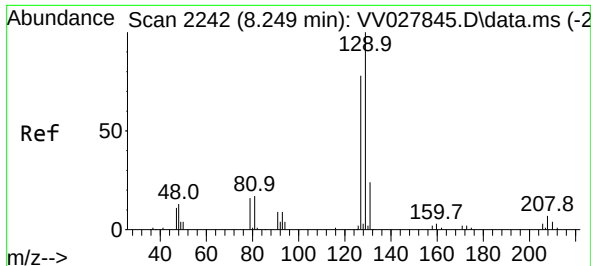
164 100

129 82.3 67.2 124.8

131 85.3 61.5 114.3

166 126.3 91.1 169.3

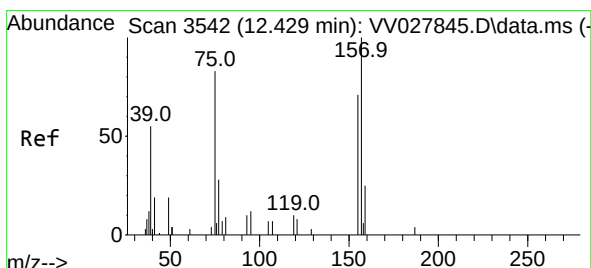
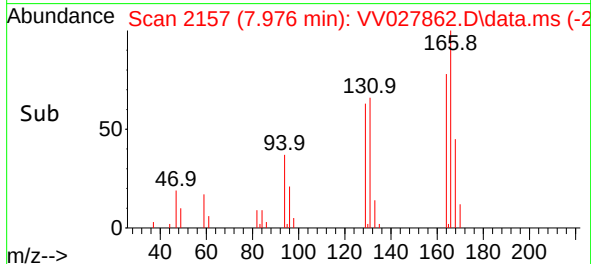
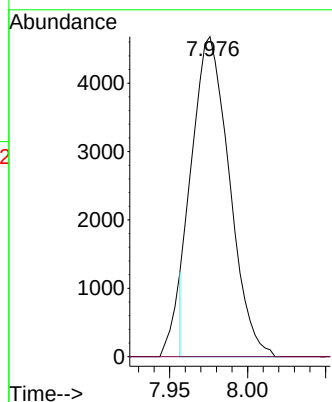
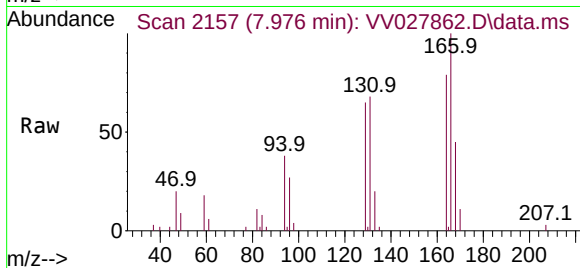




#49
Dibromochloromethane
Concen: 1.001 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

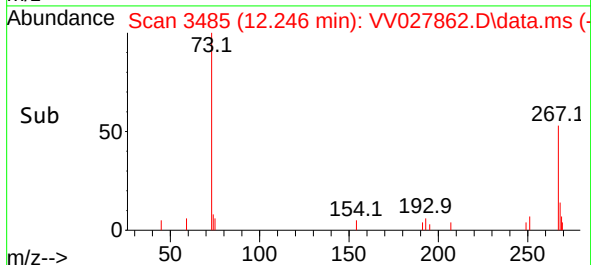
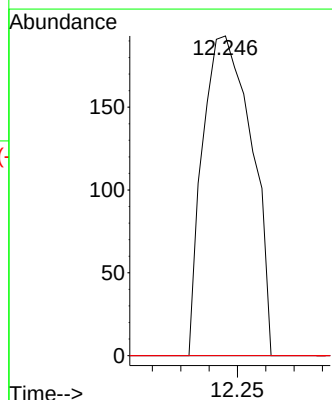
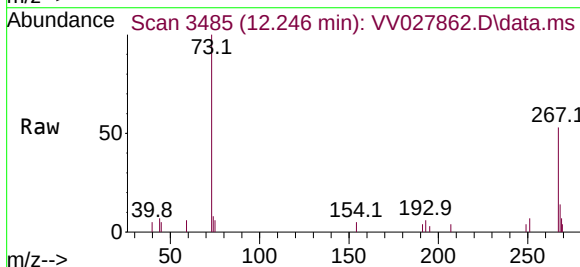
Instrument :
MSVOA_V
ClientSampleId :
EXZ31

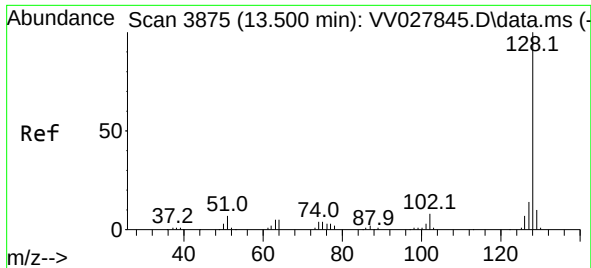
Tgt Ion:129 Resp: 7767
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.235 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.183 min
Lab File: VV027862.D
Acq: 15 Sep 2022 18:16

Tgt Ion: 75 Resp: 231
Ion Ratio Lower Upper
75 100
155 0.0 71.9 107.9#
157 0.0 95.1 142.7#





#71

Naphthalene

Concen: 0.108 ug/L

RT: 13.506 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV027862.D

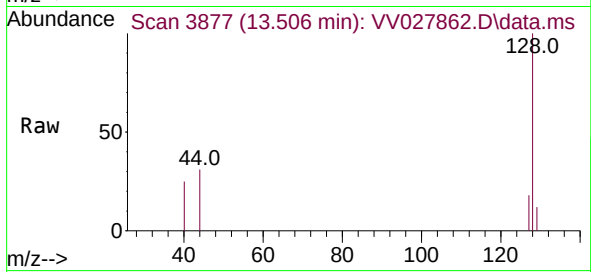
Acq: 15 Sep 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

EXZ31



Tgt Ion:128 Resp: 1855

Ion Ratio Lower Upper

128 100

129 2.2 9.2 13.8#

127 8.9 10.6 16.0#

