

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029189.D
 Acq On : 19 Nov 2022 22:53
 Operator : SY/MD
 Sample : N5648-03DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46D4DL

Quant Time: Nov 20 04:29:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	313467	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	287003	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	135688	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	99488	5.206	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.200%
7) Chloroethane-d5	1.568	69	81332	4.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.105	63	125701	3.609	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	3.899	46	109937	34.366	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.740%
24) Chloroform-d	4.342	84	174343	4.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.027	65	79529	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.047	84	372253	4.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.066	67	109582	4.581	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.310	98	323424	4.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.619	79	32826	4.207	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.088	63	143594	43.118	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.240%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	77355	4.664	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	114345	4.710	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1234	0.057	ug/L #	68
5) Vinyl chloride	1.310	62	28444	1.150	ug/L	90
6) Bromomethane	1.523	94	1090	0.074	ug/L	93
8) Chloroethane	1.484	64	24611	1.693	ug/L #	53
12) 1,1-Dichloroethene	2.114	96	2341	0.123	ug/L #	1
16) Methylene chloride	2.507	84	7324	0.298	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	62156	1.528	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	5901	0.268	ug/L	93
19) 1,1-Dichloroethane	3.188	63	4236	0.118	ug/L	95
22) cis-1,2-Dichloroethene	3.905	96	222092	9.926	ug/L	97
25) Chloroform	4.371	83	2917	0.077	ug/L	86
33) Benzene	5.104	78	3969	0.045	ug/L	100
34) Trichloroethene	5.908	95	205196	9.139	ug/L	98
35) Methylcyclohexane	6.066	83	28096	0.712	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11814	0.584	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2607	0.092	ug/L #	39
47) Tetrachloroethene	7.976	164	1556	0.087	ug/L	92
49) Dibromochloromethane	7.973	129	1466	0.092	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	14565	1.571	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sun Nov 20 03:53:06 2022
Response via : Initial Calibration

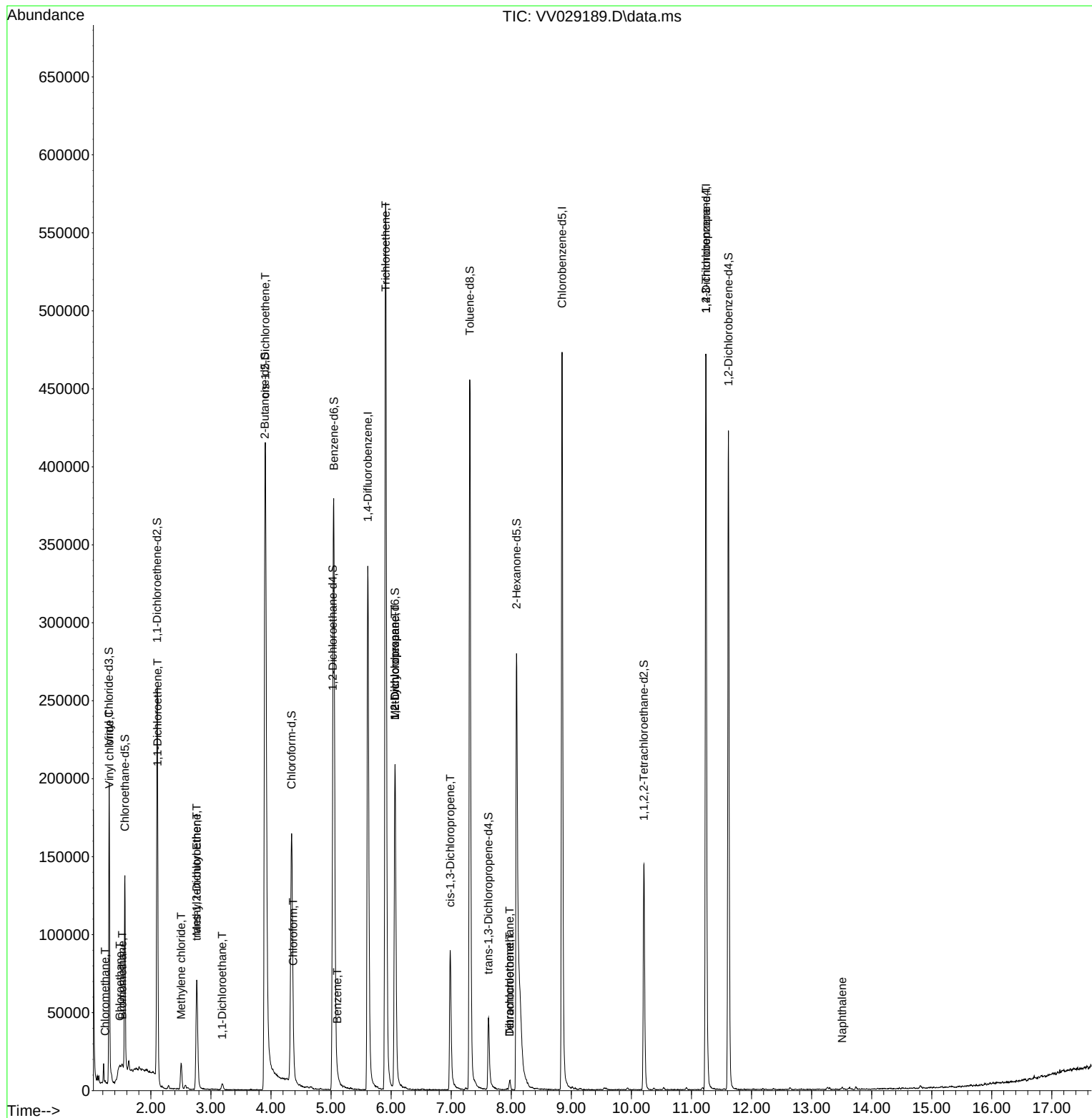
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.509	128	1846	0.059	ug/L	# 86

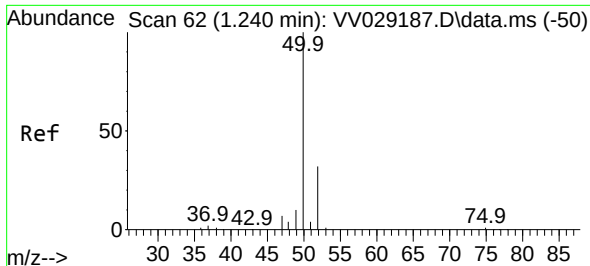
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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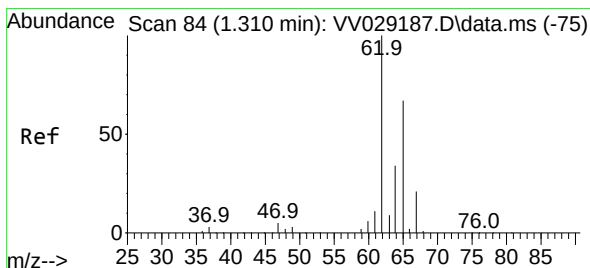
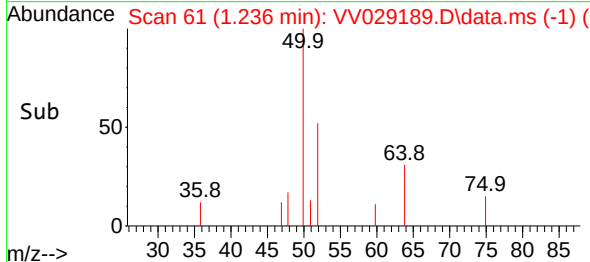
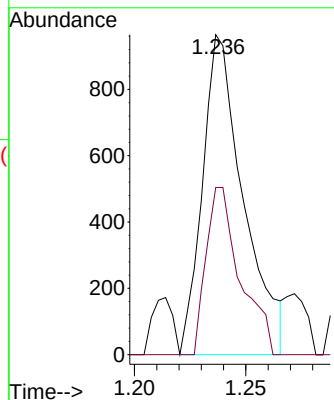
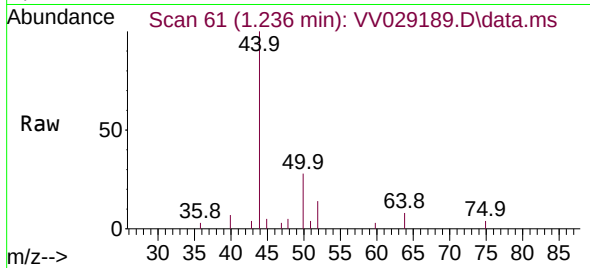




#3
Chloromethane
Concen: 0.057 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

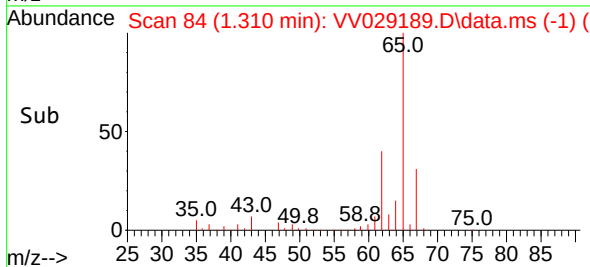
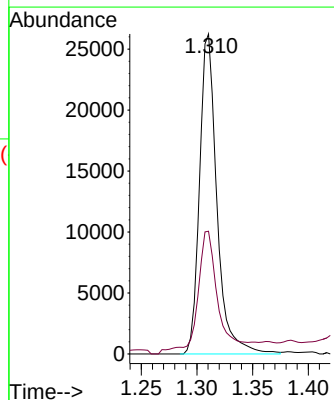
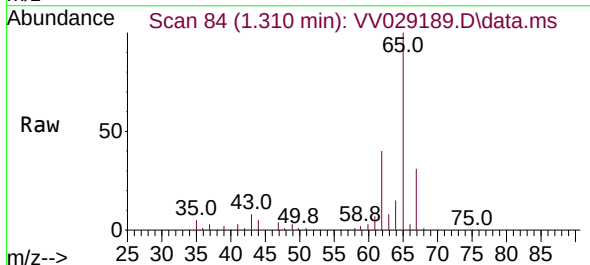
Instrument :
MSVOA_V
ClientSampleId :
H46D4DL

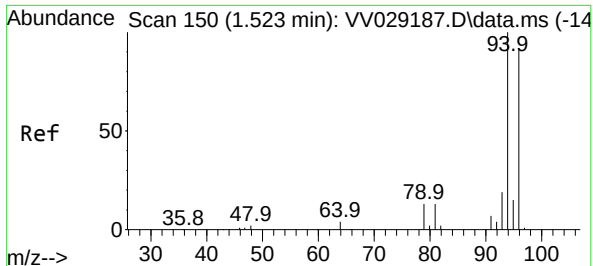
Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 52.2 23.7 43.9#



#5
Vinyl chloride
Concen: 1.150 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 62 Resp: 28444
Ion Ratio Lower Upper
62 100
64 38.3 22.8 42.4

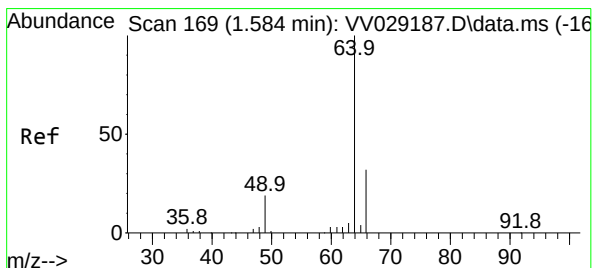
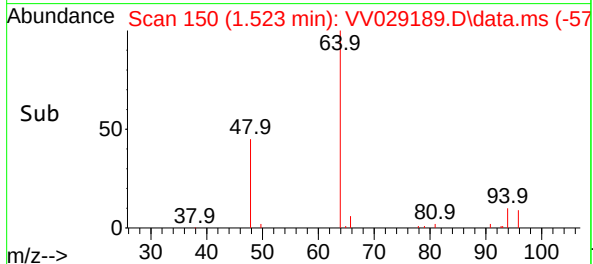
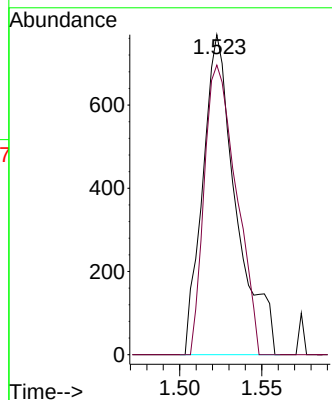
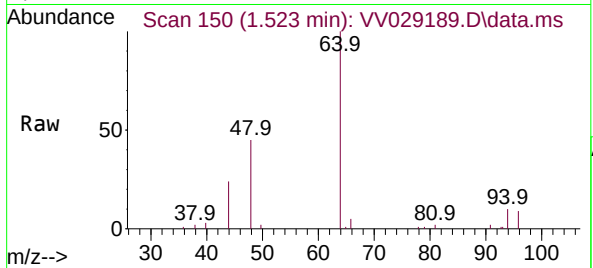




#6
Bromomethane
Concen: 0.074 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

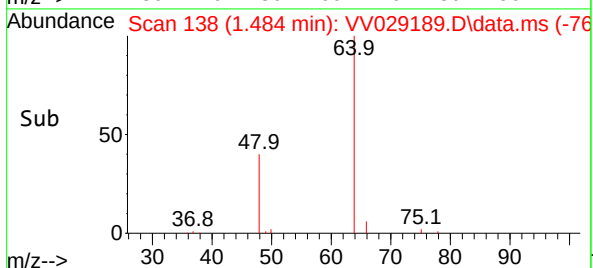
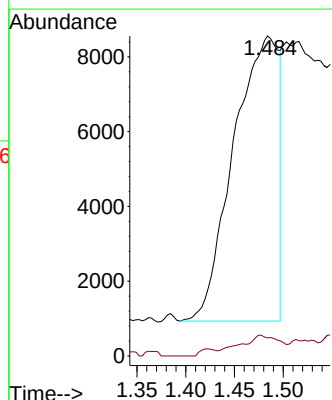
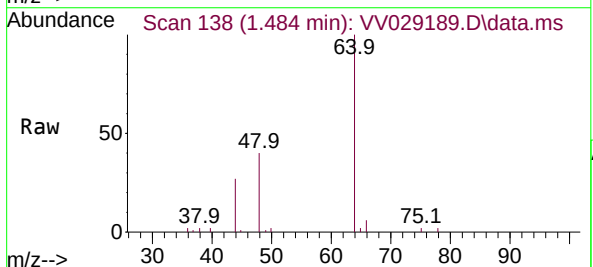
Instrument :
MSVOA_V
ClientSampleId :
H46D4DL

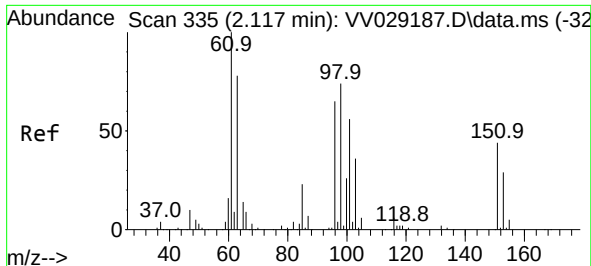
Tgt Ion: 94 Resp: 1090
Ion Ratio Lower Upper
94 100
96 90.5 68.5 127.3



#8
Chloroethane
Concen: 1.693 ug/L
RT: 1.484 min Scan# 138
Delta R.T. -0.100 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 64 Resp: 24611
Ion Ratio Lower Upper
64 100
66 5.6 22.0 40.8#

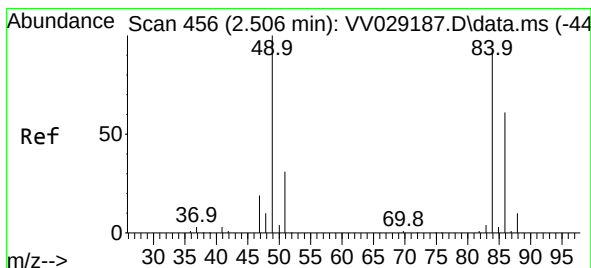
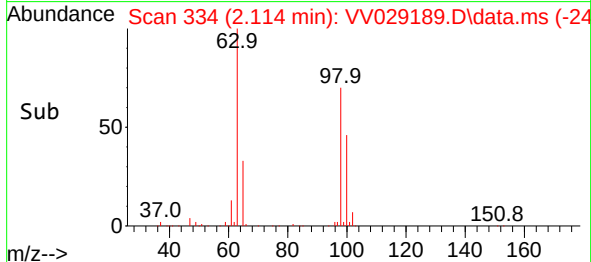
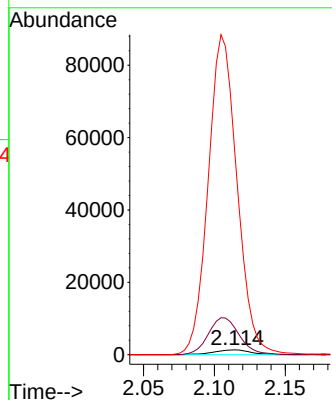
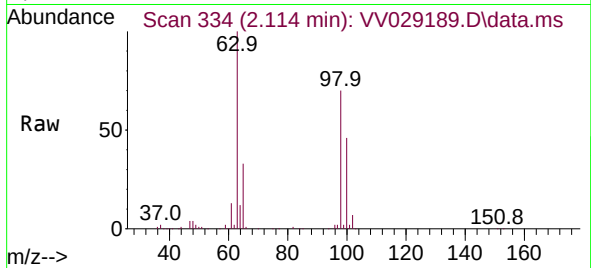




#12
1,1-Dichloroethene
Concen: 0.123 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

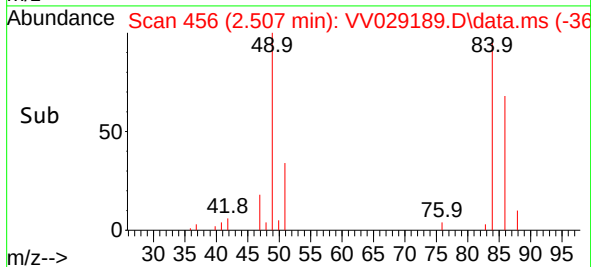
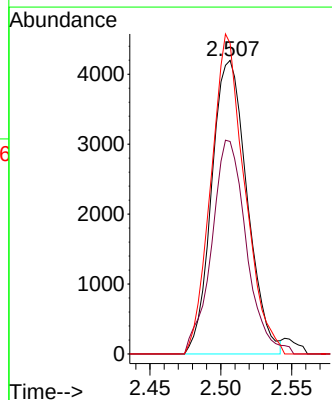
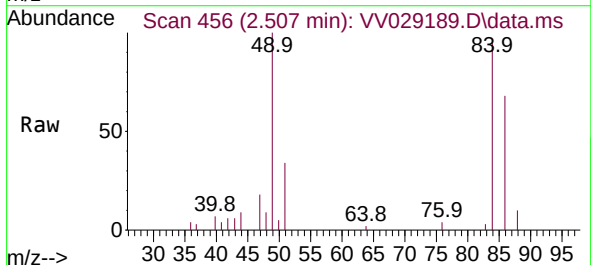
Instrument :
MSVOA_V
ClientSampleId :
H46D4DL

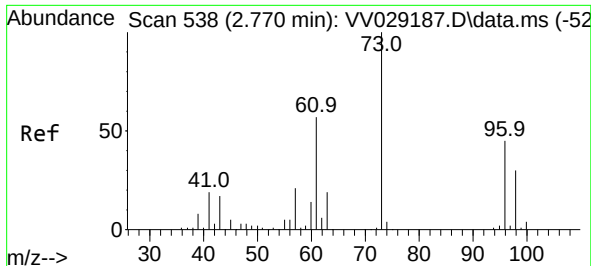
Tgt Ion: 96 Resp: 2341
Ion Ratio Lower Upper
96 100
61 560.0 104.2 193.4#
63 4235.0 75.9 140.9#



#16
Methylene chloride
Concen: 0.298 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 84 Resp: 7324
Ion Ratio Lower Upper
84 100
86 72.4 45.8 85.0
49 105.8 75.5 140.1

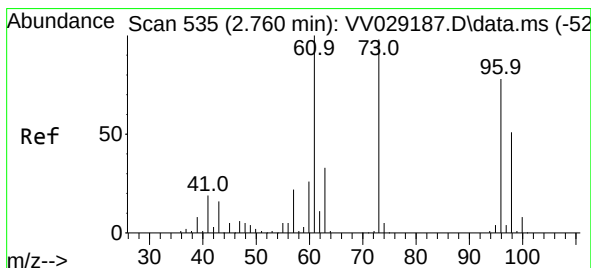
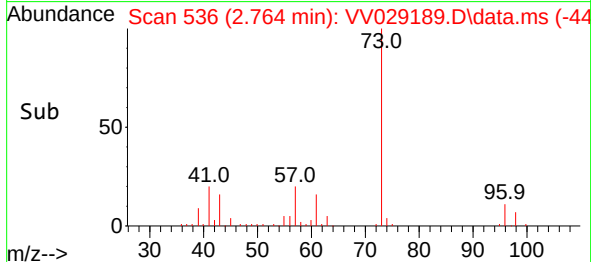
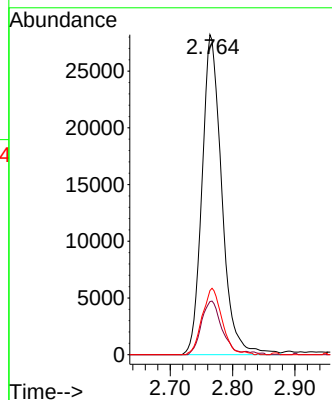
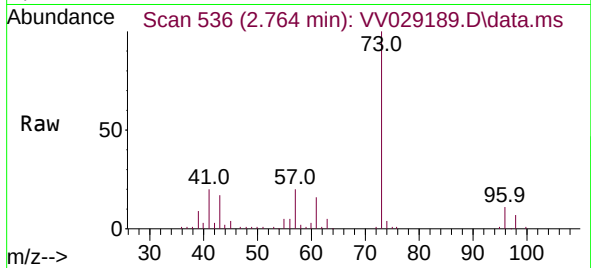




#17
Methyl tert-butyl Ether
Concen: 1.528 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

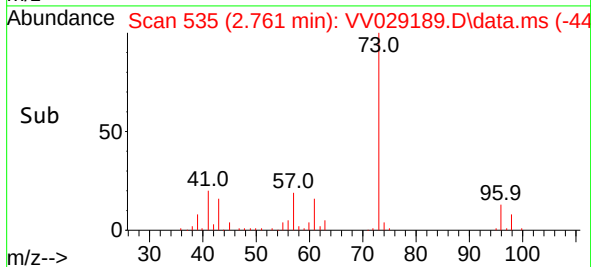
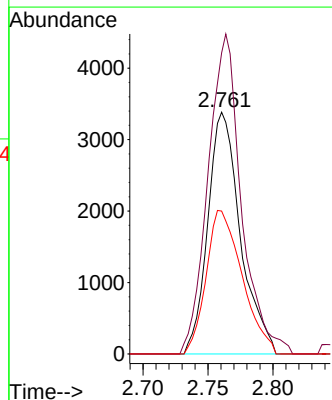
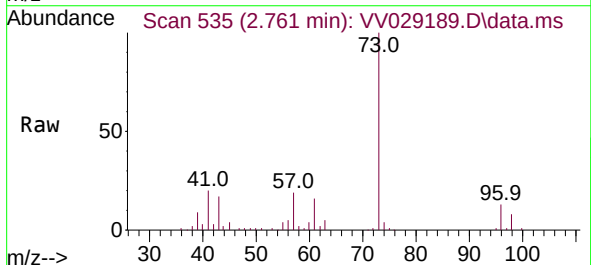
Instrument :
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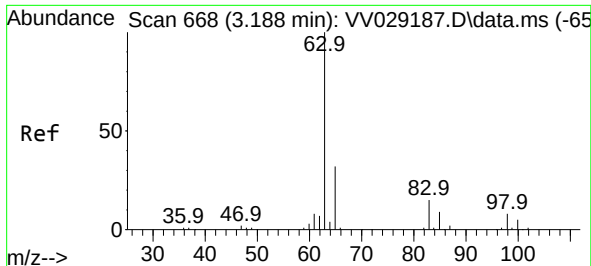
Tgt Ion: 73 Resp: 62156
Ion Ratio Lower Upper
73 100
43 17.2 13.0 19.4
57 20.6 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 0.268 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 96 Resp: 5901
Ion Ratio Lower Upper
96 100
61 124.6 91.8 170.6
98 59.1 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.118 ug/L

RT: 3.188 min Scan# 668

Delta R.T. 0.000 min

Lab File: VV029189.D

Acq: 19 Nov 2022 22:53

Instrument :

MSVOA_V

ClientSampleId :

H46D4DL

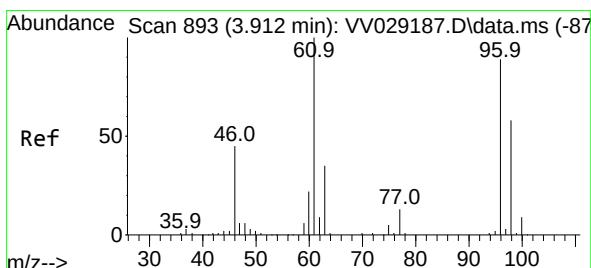
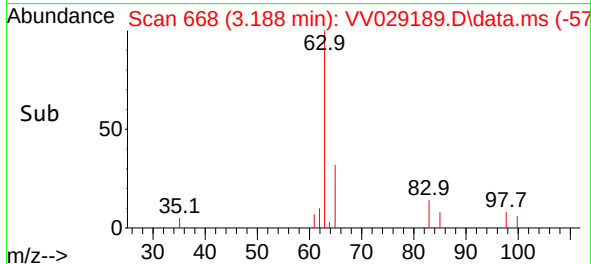
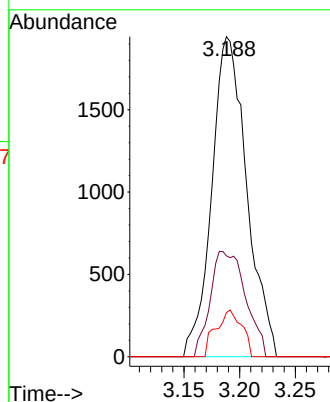
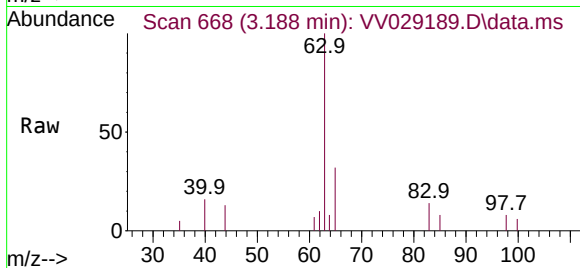
Tgt Ion: 63 Resp: 4236

Ion Ratio Lower Upper

63 100

65 29.1 23.0 42.6

83 12.8 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 9.926 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.006 min

Lab File: VV029189.D

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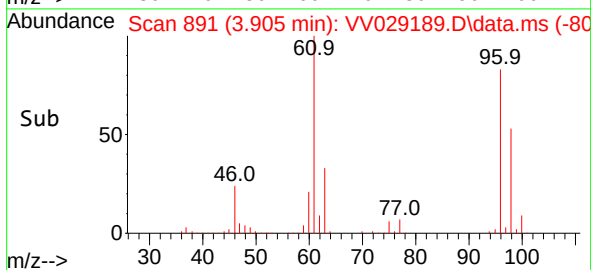
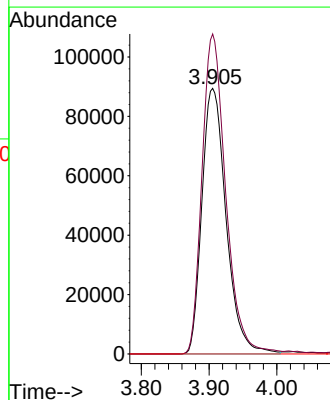
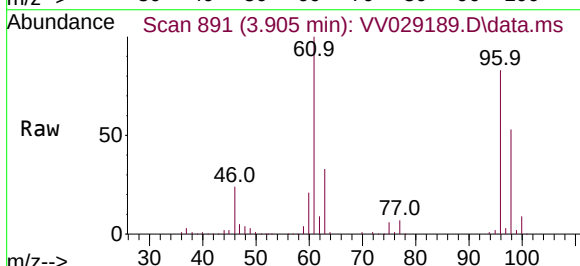
Tgt Ion: 96 Resp: 222092

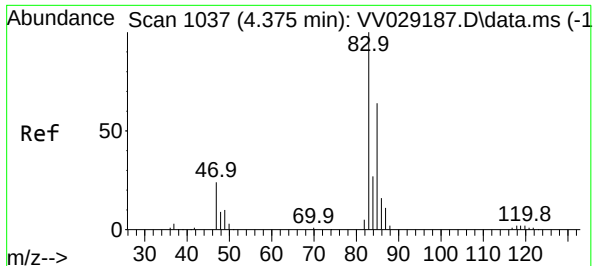
Ion Ratio Lower Upper

96 100

61 120.5 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.077 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

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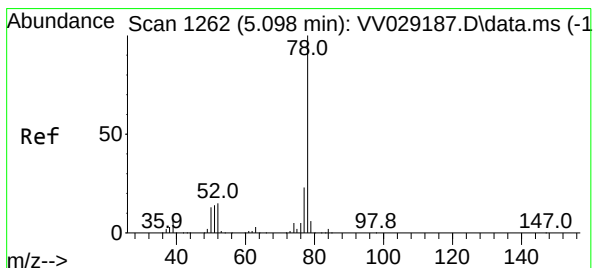
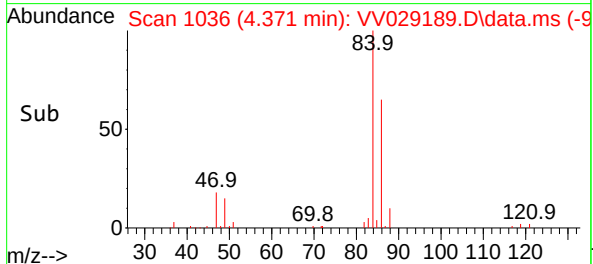
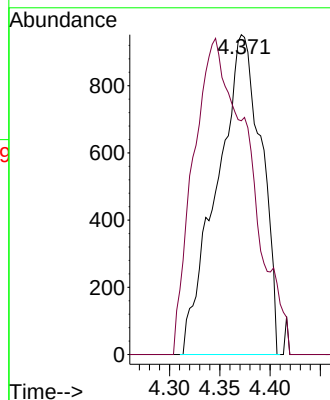
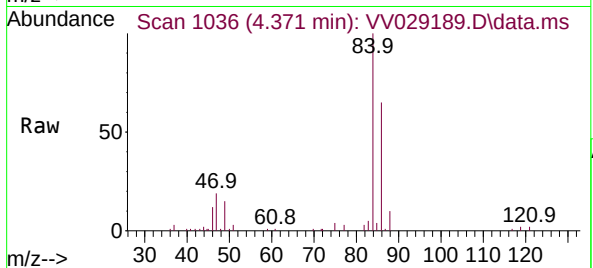
H46D4DL

Tgt Ion: 83 Resp: 2917

Ion Ratio Lower Upper

83 100

85 73.1 43.7 81.1



#33

Benzene

Concen: 0.045 ug/L

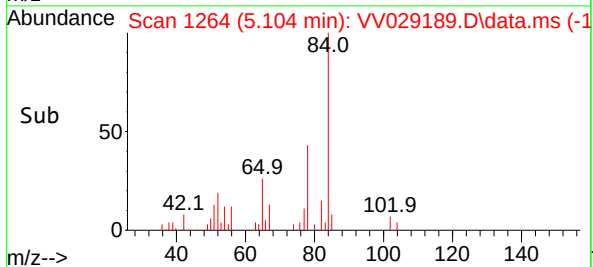
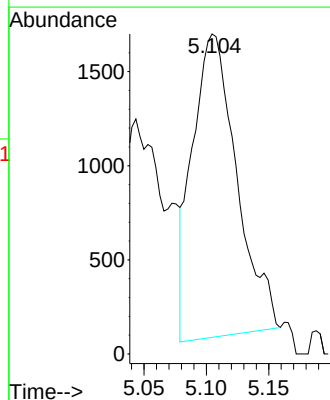
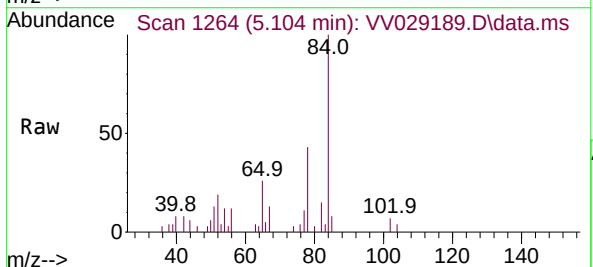
RT: 5.104 min Scan# 1264

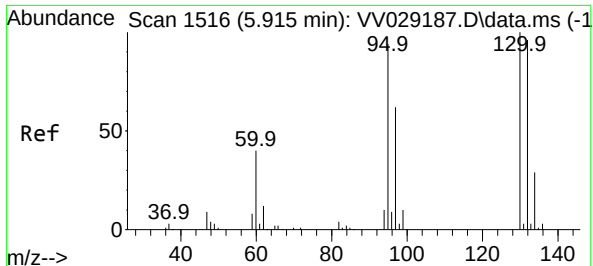
Delta R.T. 0.006 min

Lab File: VV029189.D

Acq: 19 Nov 2022 22:53

Tgt Ion: 78 Resp: 3969

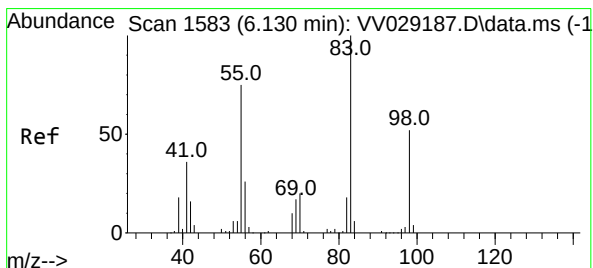
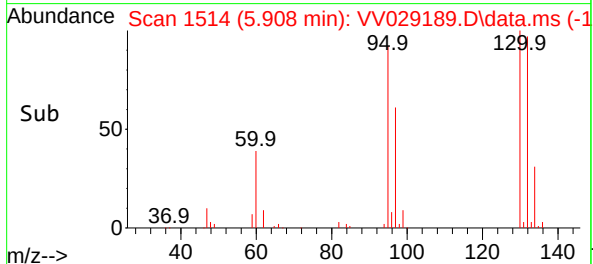
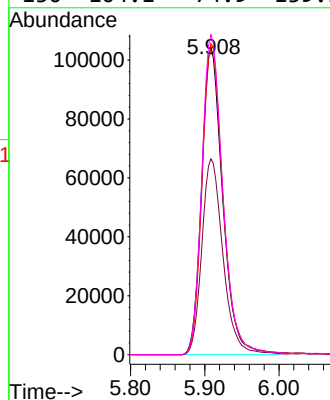
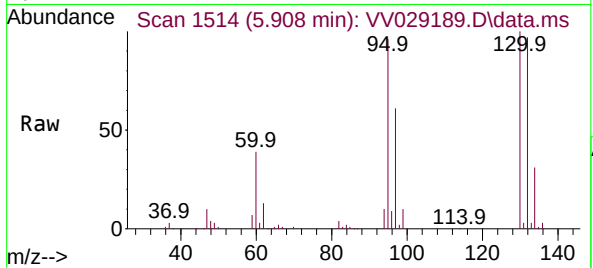




#34
Trichloroethene
Concen: 9.139 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.006 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

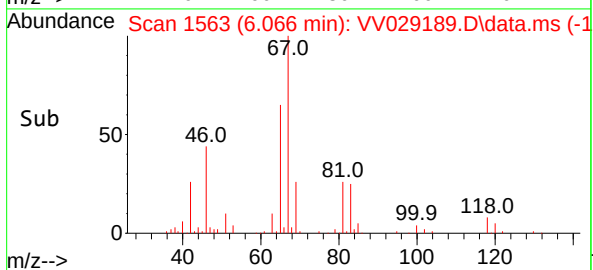
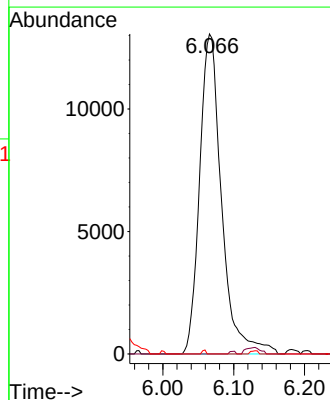
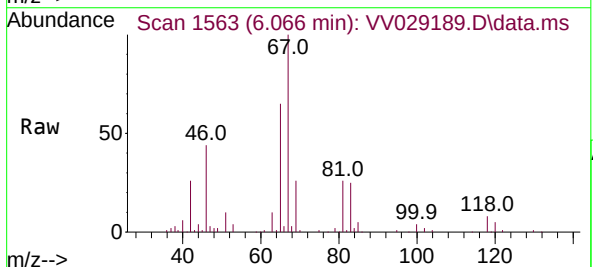
Instrument :
MSVOA_V
ClientSampleId :
H46D4DL

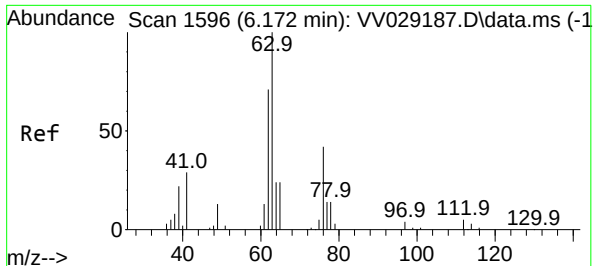
Tgt Ion: 95 Resp: 205196
Ion Ratio Lower Upper
95 100
97 63.8 45.6 84.8
132 101.2 69.1 128.3
130 104.1 74.9 139.1



#35
Methylcyclohexane
Concen: 0.712 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 83 Resp: 28096
Ion Ratio Lower Upper
83 100
55 0.2 55.8 83.6#
98 0.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.584 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV029189.D

Acq: 19 Nov 2022 22:53

Instrument :

MSVOA_V

ClientSampleId :

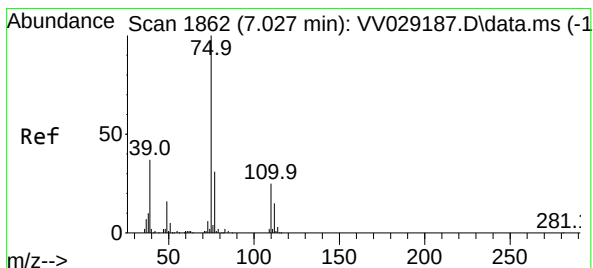
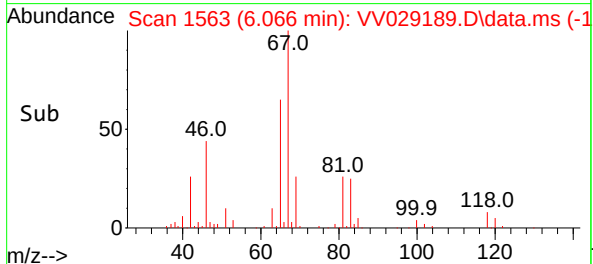
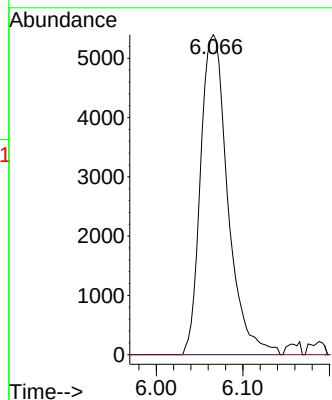
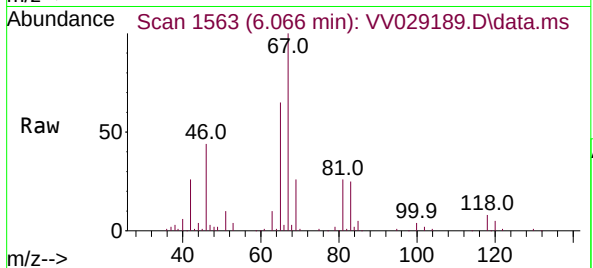
H46D4DL

Tgt Ion: 63 Resp: 11814

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV029189.D

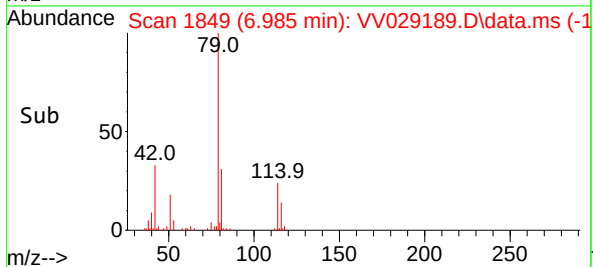
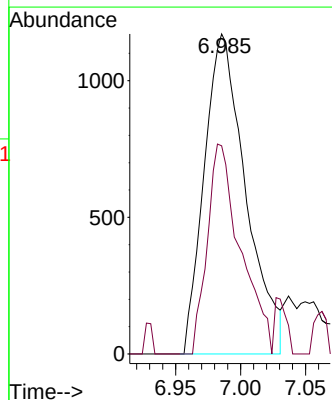
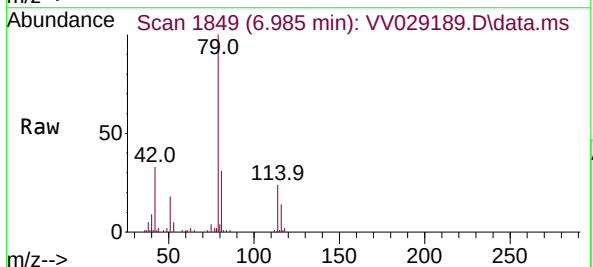
Acq: 19 Nov 2022 22:53

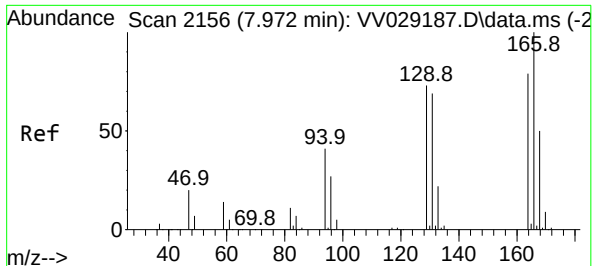
Tgt Ion: 75 Resp: 2607

Ion Ratio Lower Upper

75 100

77 65.1 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.087 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV029189.D

Acq: 19 Nov 2022 22:53

Instrument :

MSVOA_V

ClientSampleId :

H46D4DL

Tgt Ion:164 Resp: 1556

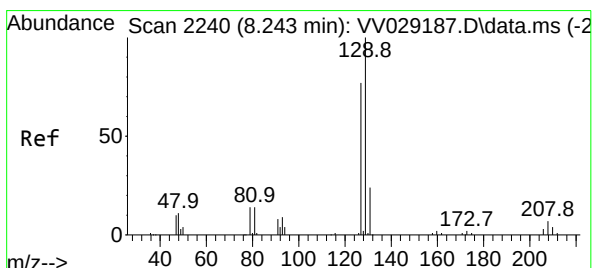
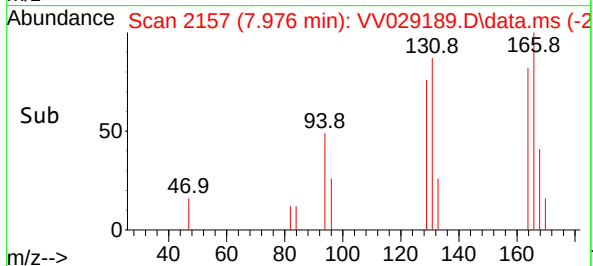
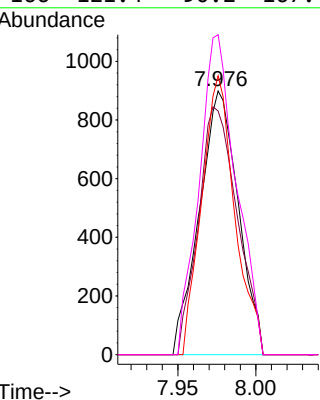
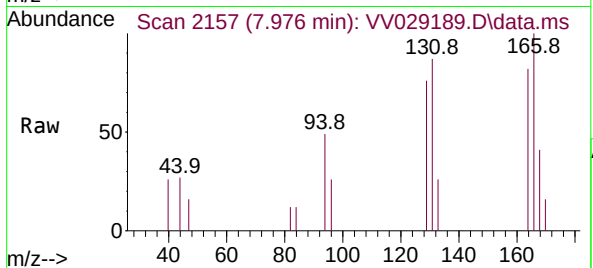
Ion Ratio Lower Upper

164 100

129 92.4 63.9 118.7

131 105.8 61.8 114.8

166 121.4 90.2 167.4



#49

Dibromochloromethane

Concen: 0.092 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV029189.D

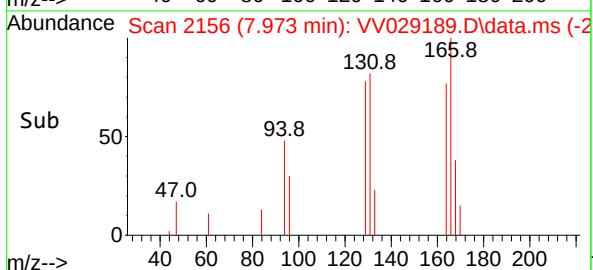
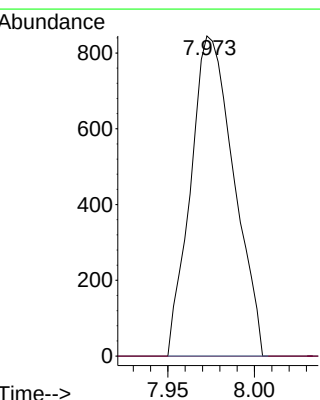
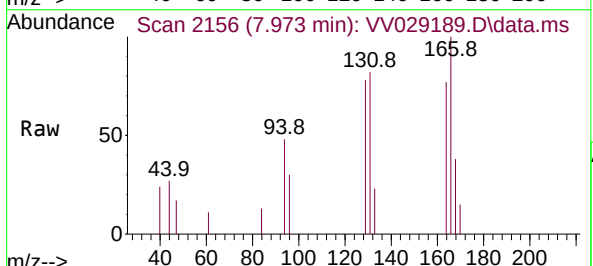
Acq: 19 Nov 2022 22:53

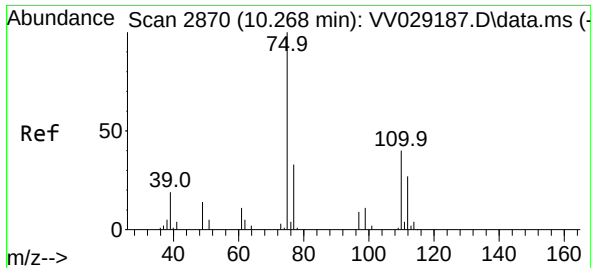
Tgt Ion:129 Resp: 1466

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#

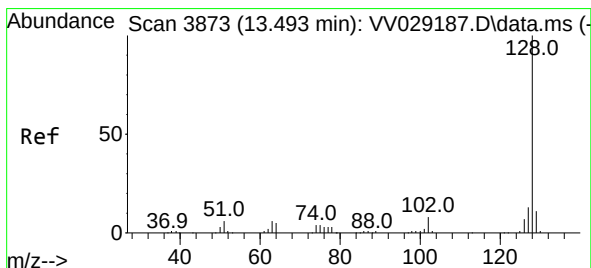
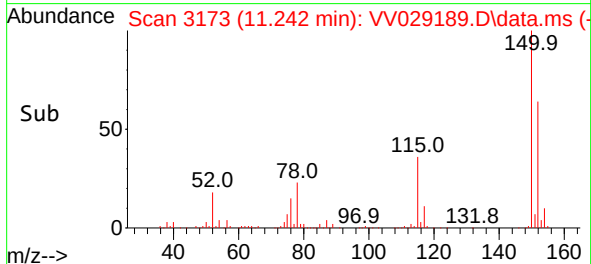
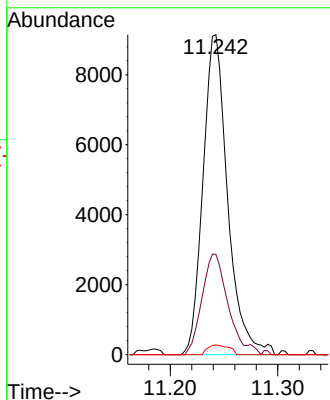
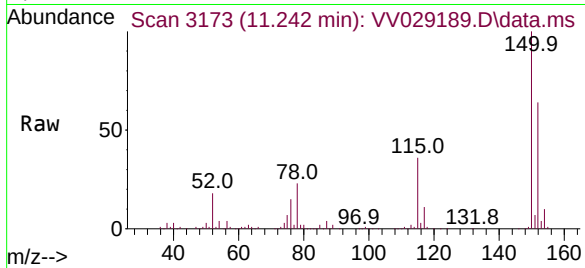




#61
1,2,3-Trichloropropane
Concen: 1.571 ug/L
RT: 11.242 min Scan# 3173
Delta R.T. 0.974 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Instrument :
MSVOA_V
ClientSampleId :
H46D4DL

Tgt Ion: 75 Resp: 14565
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 2.6 32.6 48.8#



#71
Naphthalene
Concen: 0.059 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.016 min
Lab File: VV029189.D
Acq: 19 Nov 2022 22:53

Tgt Ion: 128 Resp: 1846
Ion Ratio Lower Upper
128 100
129 6.1 8.8 13.2#
127 6.8 9.8 14.8#

