

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111722\
 Data File : VW029088.D
 Acq On : 18 Nov 2022 01:22
 Operator : SY/MD
 Sample : N5648-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46D5

Quant Time: Nov 18 06:02:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	262177	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	243298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	108939	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	70790	4.429	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.568	69	58758	4.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.108	63	97452	3.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.000%
20) 2-Butanone-d5	3.883	46	165370	61.807	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.620%
24) Chloroform-d	4.342	84	155718	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.027	65	73759	4.996	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.047	84	323393	4.453	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.066	67	94298	4.650	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.310	98	301228	4.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	7.622	79	29265	4.425	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.088	63	120898	42.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.640%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	66258	4.713	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	105375	5.407	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1099	0.061	ug/L	99
5) Vinyl chloride	1.310	62	158373	7.655	ug/L	94
6) Bromomethane	1.526	94	854	0.069	ug/L	93
8) Chloroethane	1.426	64	198266	16.308	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	5115	0.322	ug/L #	1
15) Methyl Acetate	2.497	43	1942	0.465	ug/L #	44
17) Methyl tert-butyl Ether	2.764	73	74152	2.179	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	103370	5.616	ug/L	94
19) 1,1-Dichloroethane	3.191	63	19837	0.659	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	3114824	166.445	ug/L	95
33) Benzene	5.104	78	18307	0.246	ug/L	100
34) Trichloroethene	5.908	95	688044	36.149	ug/L	98
35) Methylcyclohexane	6.066	83	23744	0.710	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10383	0.606	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2018	0.084	ug/L #	51
47) Tetrachloroethene	7.973	164	6178	0.405	ug/L	94
49) Dibromochloromethane	7.973	129	5695	0.420	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	10420	1.400	ug/L #	65

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QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

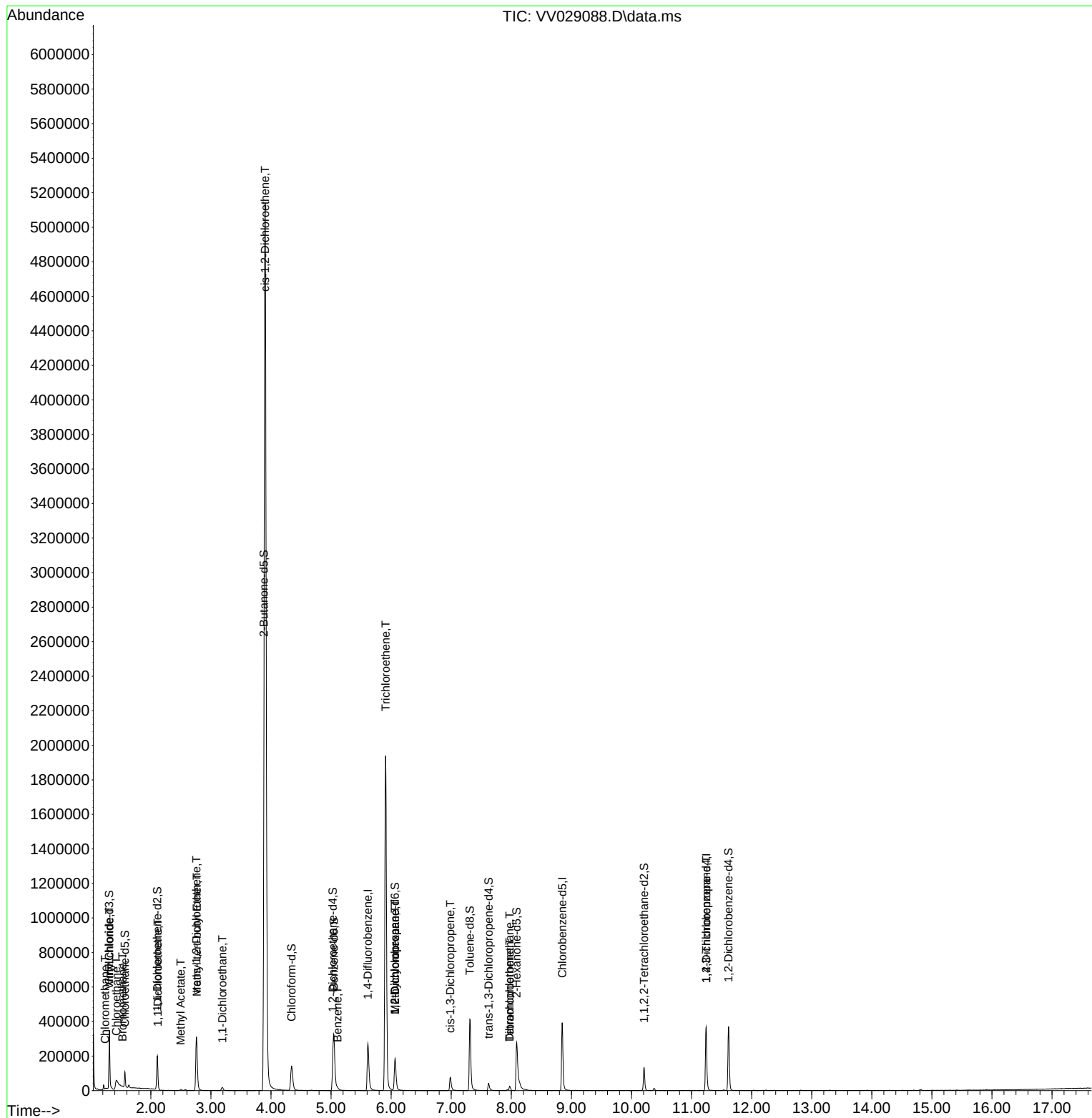
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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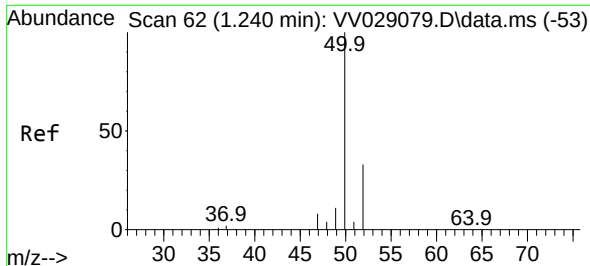
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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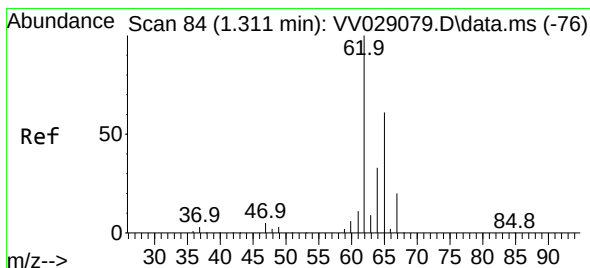
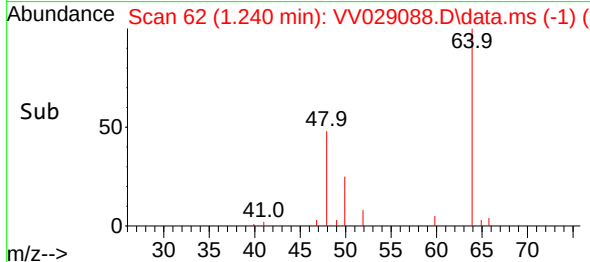
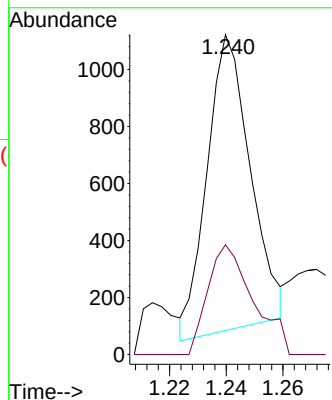
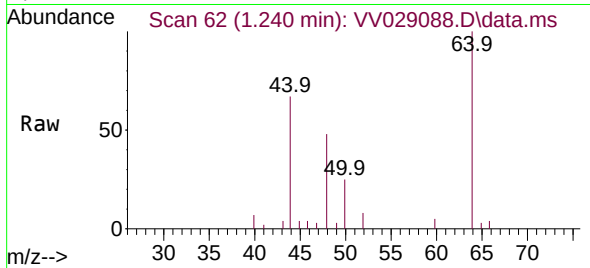




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

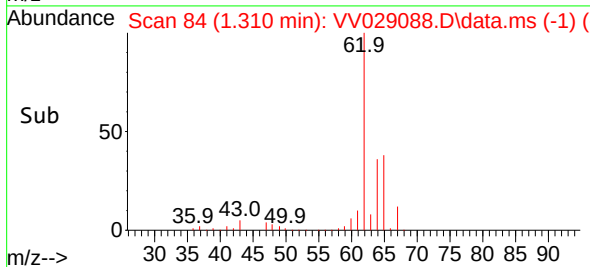
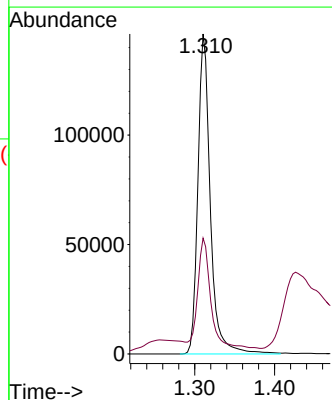
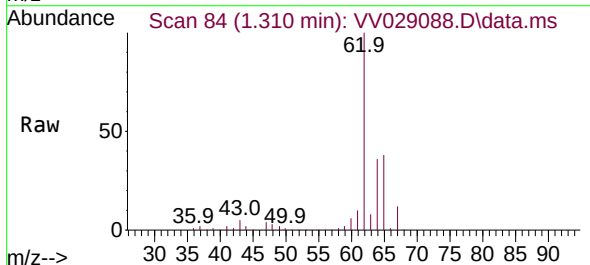
Instrument :
MSVOA_V
ClientSampleId :
H46D5

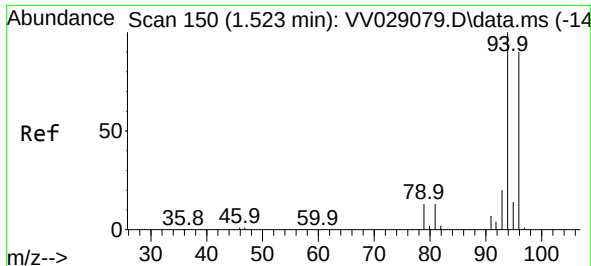
Tgt Ion: 50 Resp: 1099
Ion Ratio Lower Upper
50 100
52 34.3 23.7 43.9



#5
Vinyl chloride
Concen: 7.655 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

Tgt Ion: 62 Resp: 158373
Ion Ratio Lower Upper
62 100
64 36.2 22.8 42.4





#6

Bromomethane

Concen: 0.069 ug/L

RT: 1.526 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Instrument :

MSVOA_V

ClientSampleId :

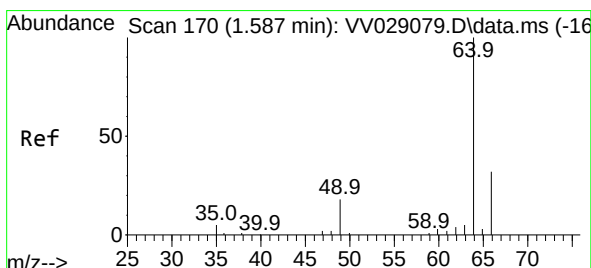
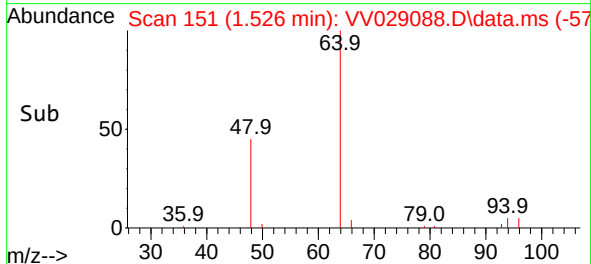
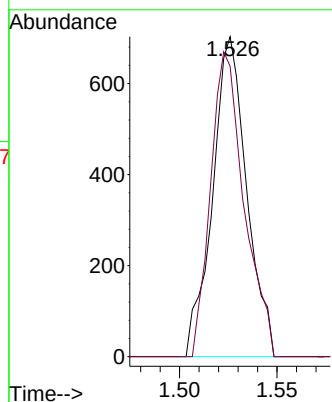
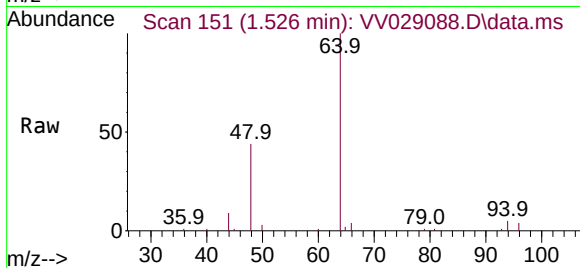
H46D5

Tgt Ion: 94 Resp: 854

Ion Ratio Lower Upper

94 100

96 90.8 68.5 127.3



#8

Chloroethane

Concen: 16.308 ug/L

RT: 1.426 min Scan# 120

Delta R.T. -0.161 min

Lab File: VV029088.D

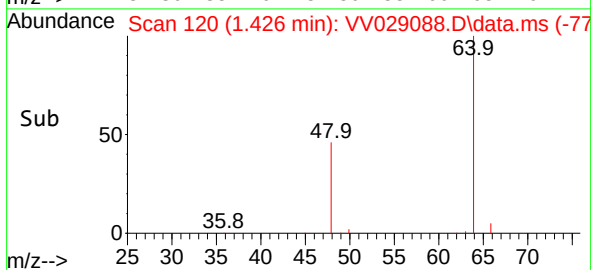
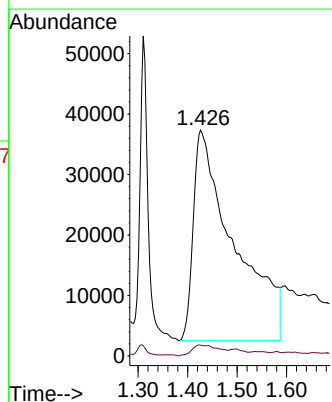
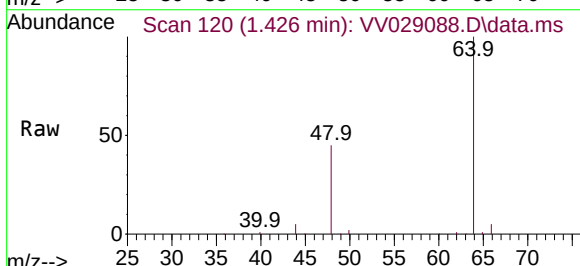
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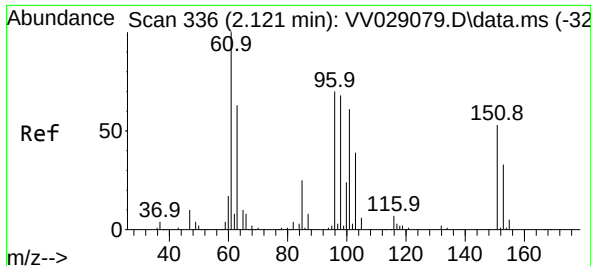
Tgt Ion: 64 Resp: 198266

Ion Ratio Lower Upper

64 100

66 4.8 22.0 40.8#

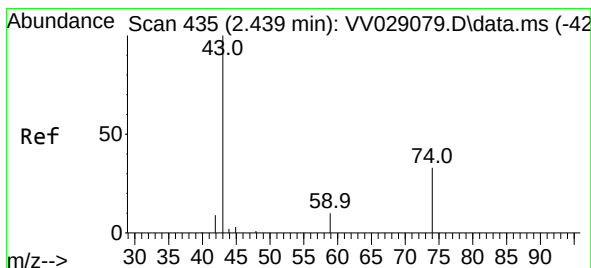
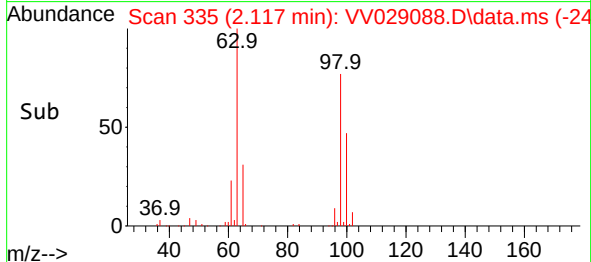
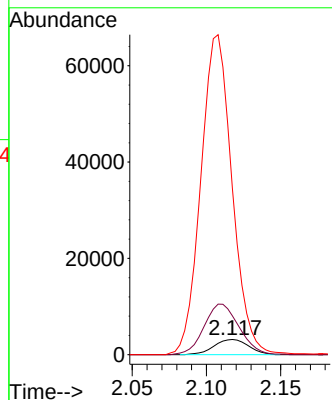
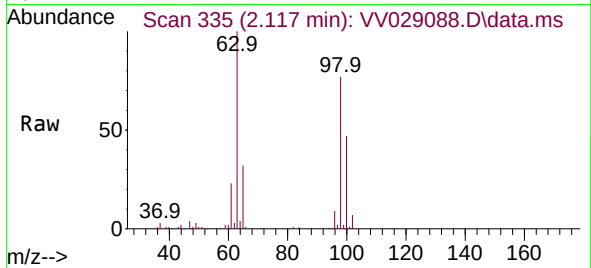




#12
 1,1-Dichloroethene
 Concen: 0.322 ug/L
 RT: 2.117 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV029088.D
 Acq: 18 Nov 2022 01:22

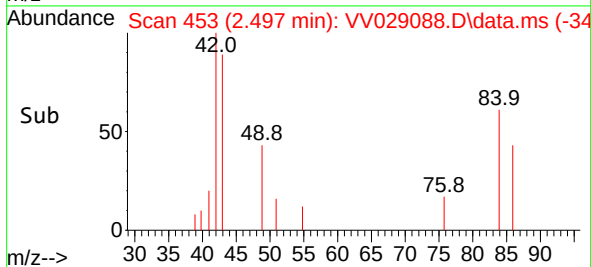
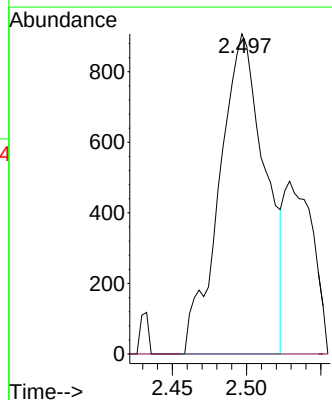
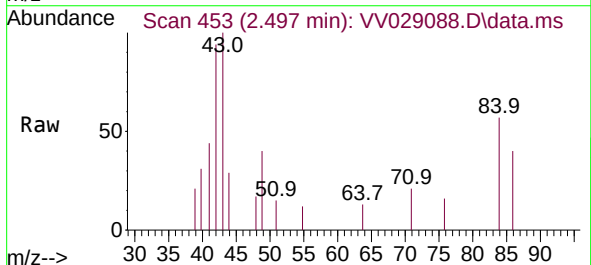
Instrument :
 MSVOA_V
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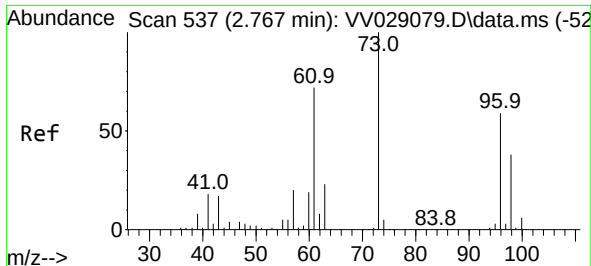
Tgt Ion: 96 Resp: 5115
 Ion Ratio Lower Upper
 96 100
 61 255.1 104.2 193.4#
 63 1092.4 75.9 140.9#



#15
 Methyl Acetate
 Concen: 0.465 ug/L
 RT: 2.497 min Scan# 453
 Delta R.T. 0.058 min
 Lab File: VV029088.D
 Acq: 18 Nov 2022 01:22

Tgt Ion: 43 Resp: 1942
 Ion Ratio Lower Upper
 43 100
 74 0.0 24.6 37.0#

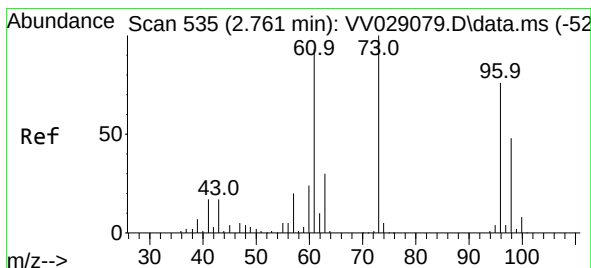
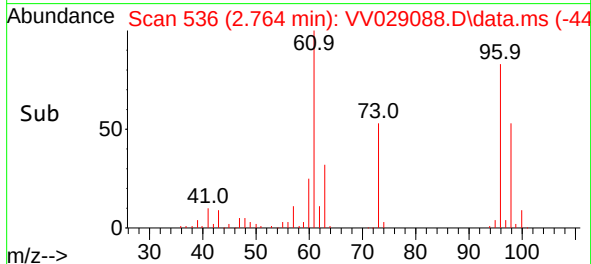
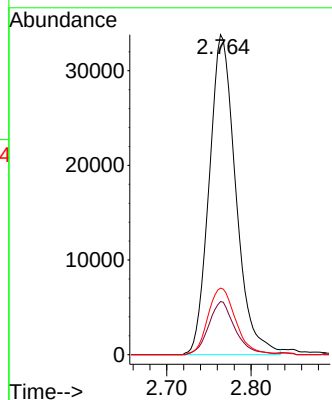
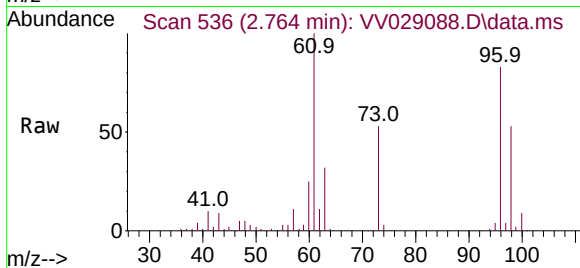




#17
Methyl tert-butyl Ether
Concen: 2.179 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

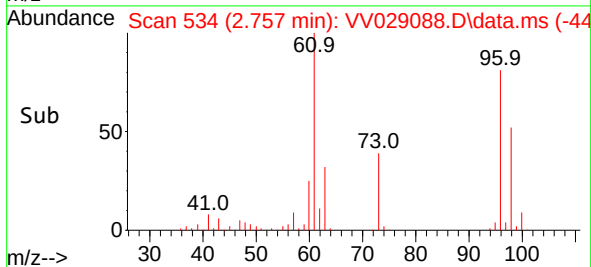
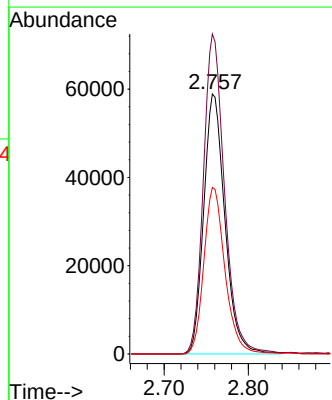
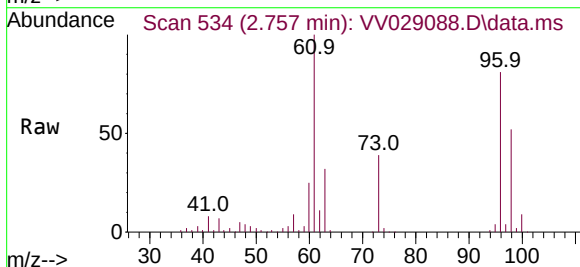
Instrument :
MSVOA_V
ClientSampleId :
H46D5

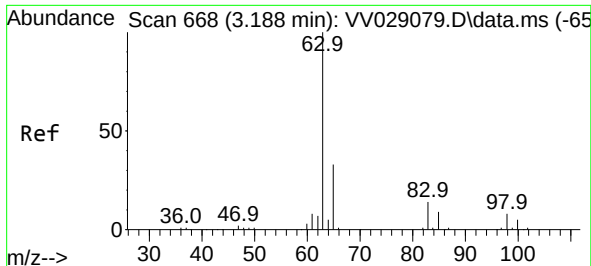
Tgt Ion: 73 Resp: 74152
Ion Ratio Lower Upper
73 100
43 16.6 13.0 19.4
57 21.7 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 5.616 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

Tgt Ion: 96 Resp: 103370
Ion Ratio Lower Upper
96 100
61 123.1 91.8 170.6
98 64.1 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.659 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Instrument :

MSVOA_V

ClientSampleId :

H46D5

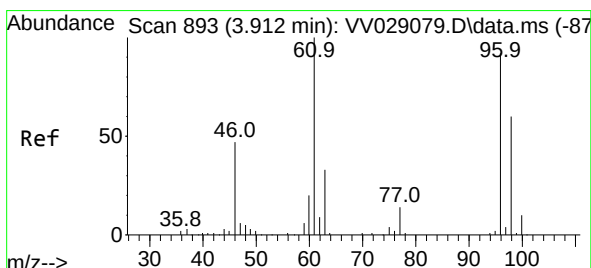
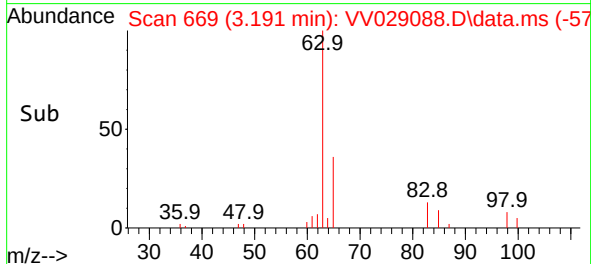
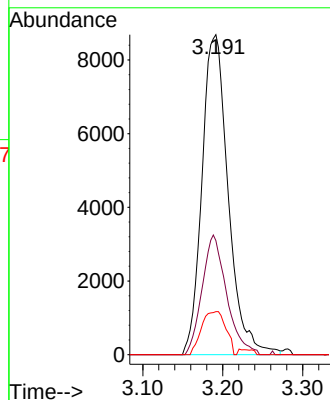
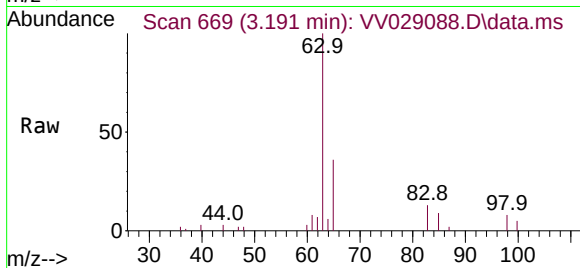
Tgt Ion: 63 Resp: 19837

Ion Ratio Lower Upper

63 100

65 35.6 23.0 42.6

83 13.4 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 166.445 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

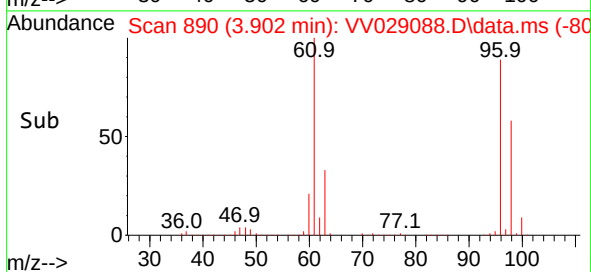
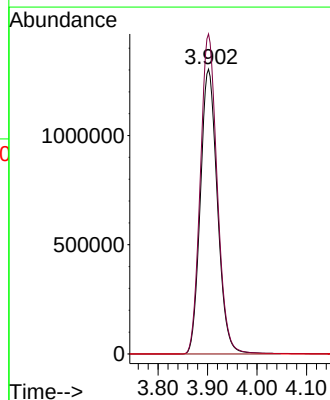
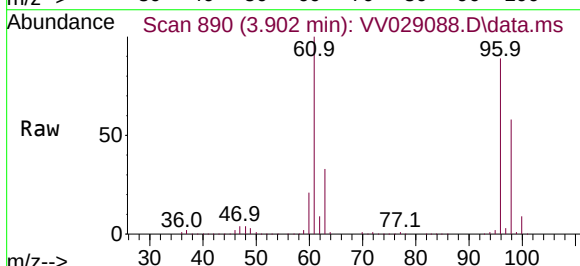
Tgt Ion: 96 Resp: 3114824

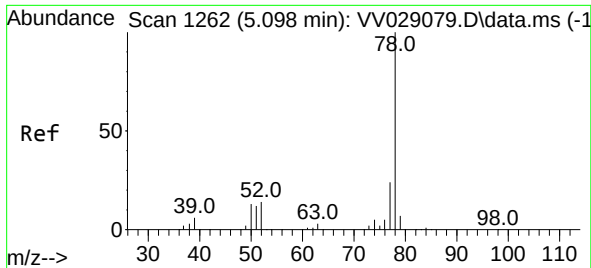
Ion Ratio Lower Upper

96 100

61 112.4 82.3 152.9

68 0.0 0.0 0.0





#33

Benzene

Concen: 0.246 ug/L

RT: 5.104 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

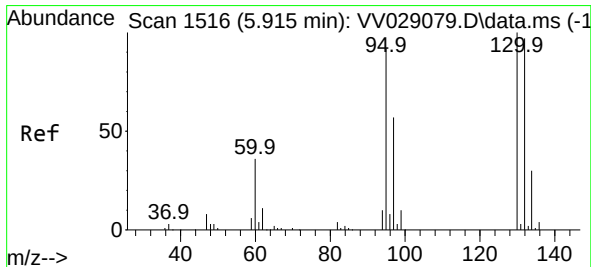
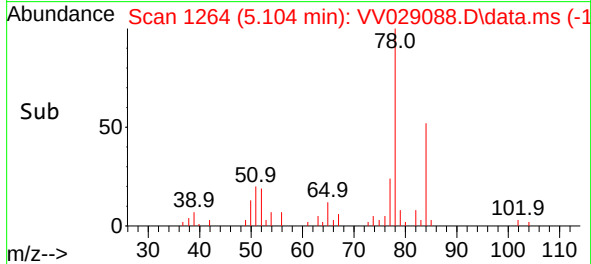
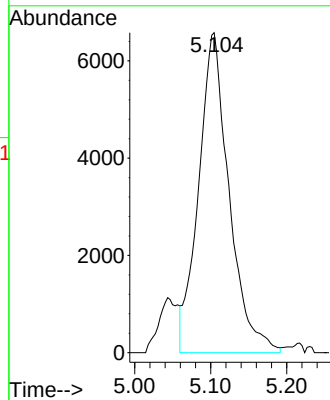
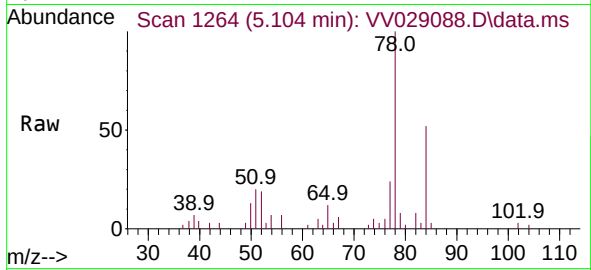
Instrument :

MSVOA_V

ClientSampleId :

H46D5

Tgt Ion: 78 Resp: 18307



#34

Trichloroethene

Concen: 36.149 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.006 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Tgt Ion: 95 Resp: 688044

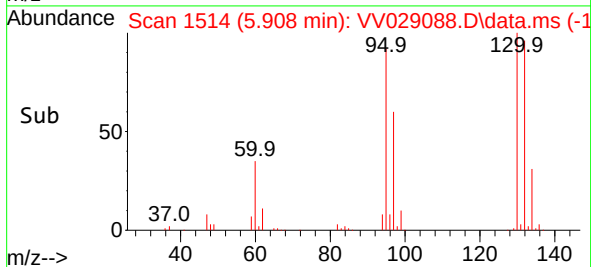
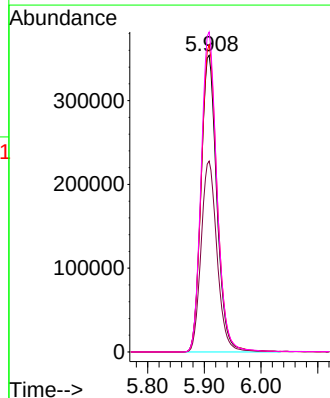
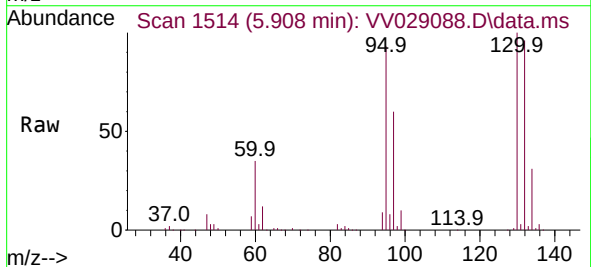
Ion Ratio Lower Upper

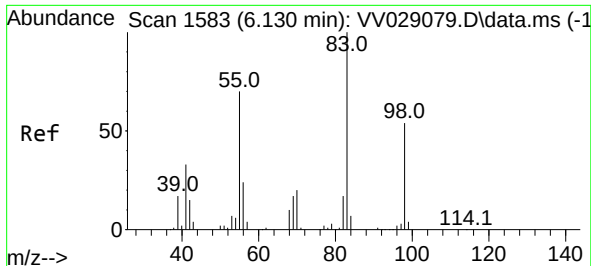
95 100

97 64.4 45.6 84.8

132 103.5 69.1 128.3

130 107.9 74.9 139.1

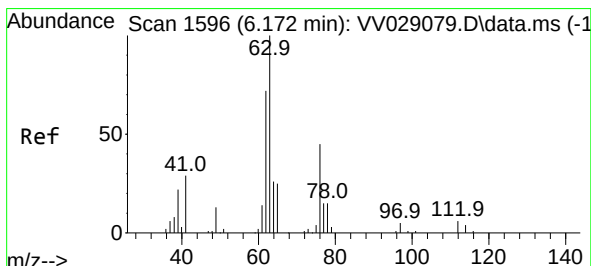
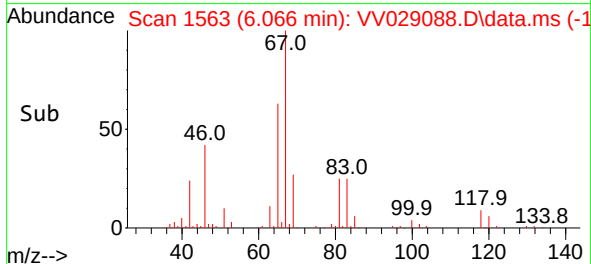
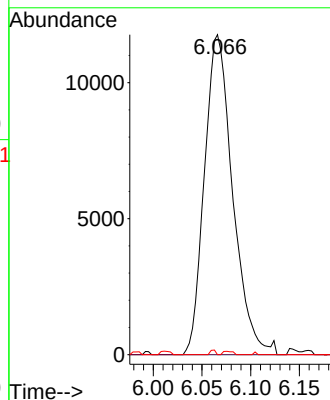
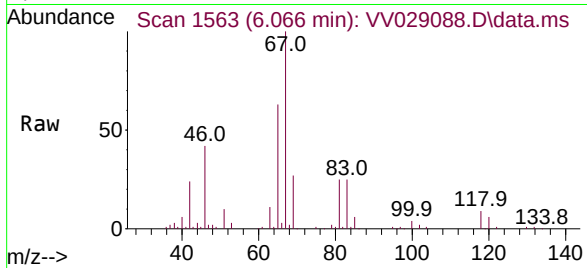




#35
Methylcyclohexane
Concen: 0.710 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

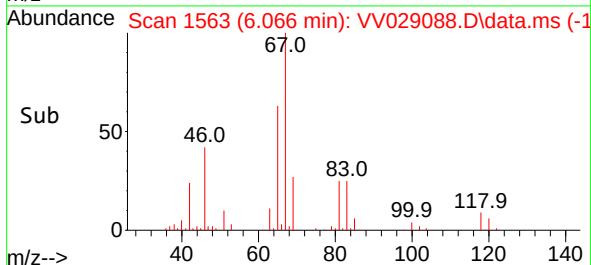
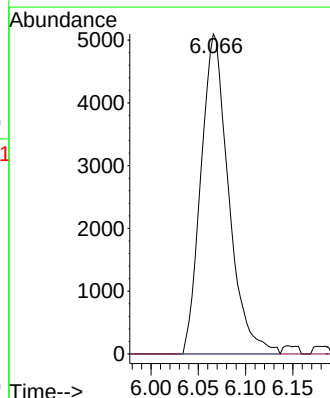
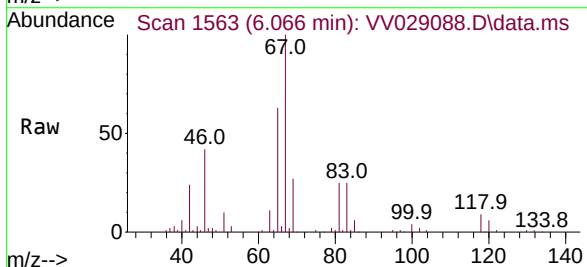
Instrument :
MSVOA_V
ClientSampleId :
H46D5

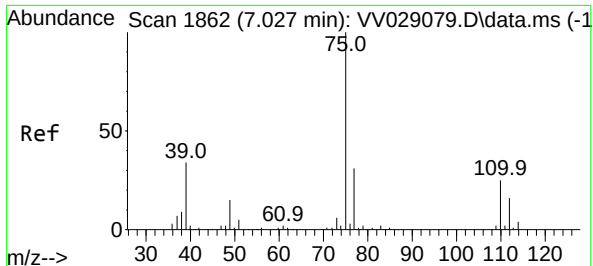
Tgt Ion: 83 Resp: 23744
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.106 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

Tgt Ion: 63 Resp: 10383
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Instrument :

MSVOA_V

ClientSampleId :

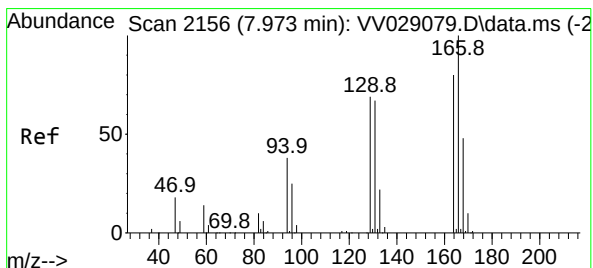
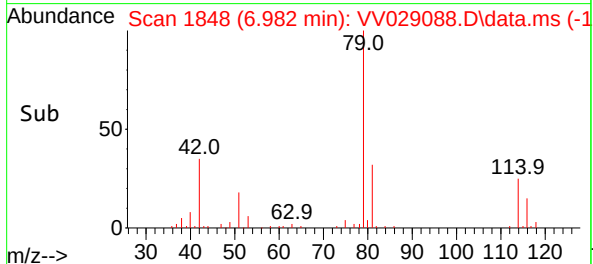
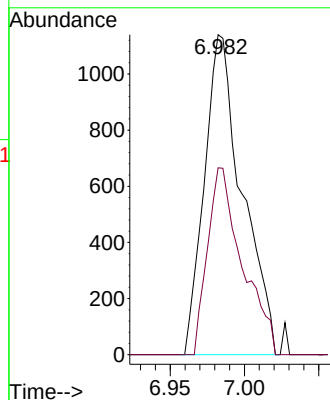
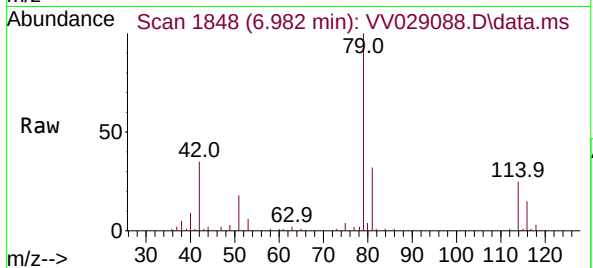
H46D5

Tgt Ion: 75 Resp: 2018

Ion Ratio Lower Upper

75 100

77 58.4 21.8 40.6#



#47

Tetrachloroethene

Concen: 0.405 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Tgt Ion: 164 Resp: 6178

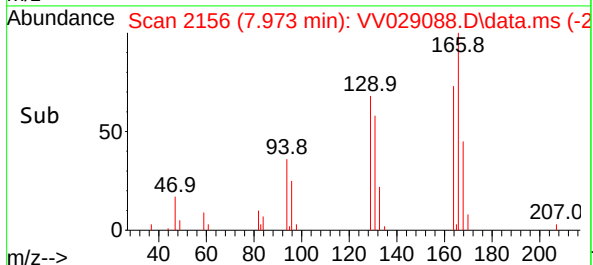
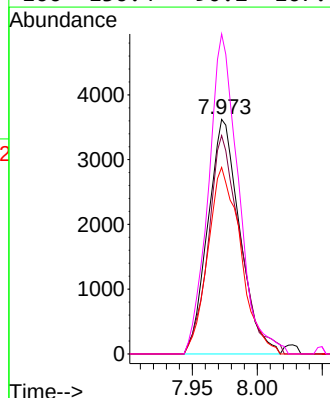
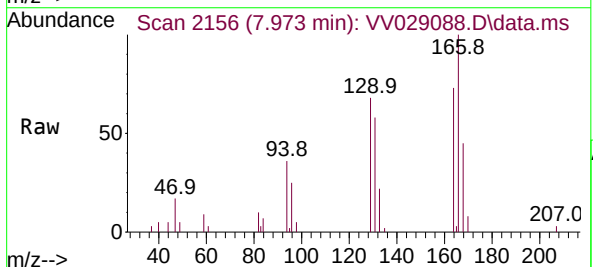
Ion Ratio Lower Upper

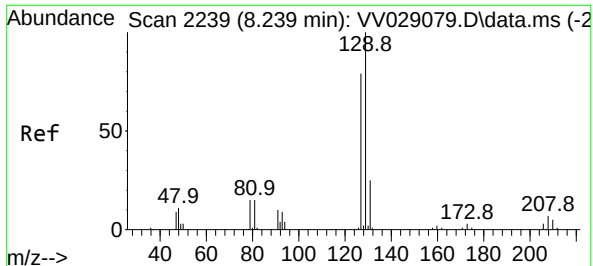
164 100

129 93.1 63.9 118.7

131 79.5 61.8 114.8

166 136.4 90.2 167.4





#49

Dibromochloromethane

Concen: 0.420 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Instrument :

MSVOA_V

ClientSampleId :

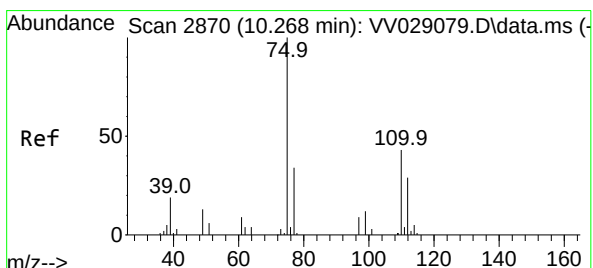
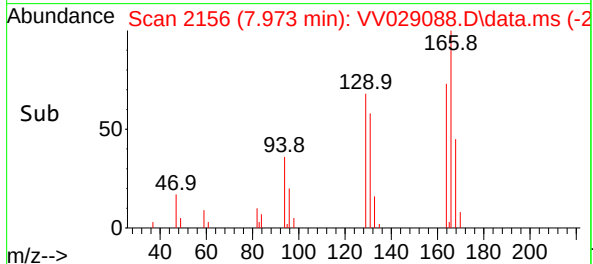
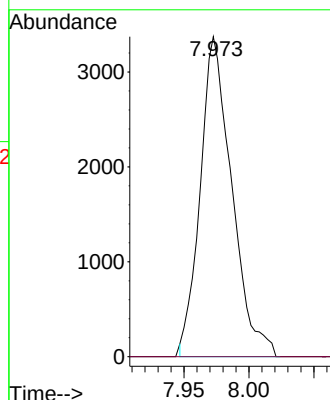
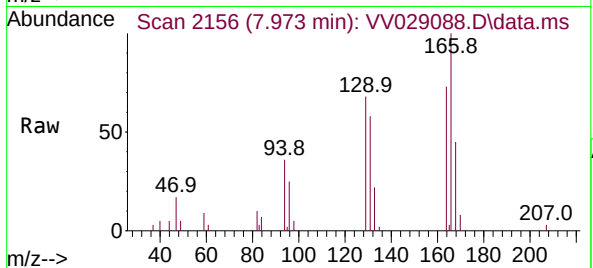
H46D5

Tgt Ion:129 Resp: 5695

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.400 ug/L

RT: 11.243 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Tgt Ion: 75 Resp: 10420

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2

110 2.3 32.6 48.8#

