

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029134.D
 Acq On : 18 Nov 2022 22:22
 Operator : SY/MD
 Sample : M5688-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 02:00:13 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	275263	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	254077	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	111433	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	71941	4.287	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.568	69	65754	4.457	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.108	63	101199	3.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.889	46	210145	74.808	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.620%#
24) Chloroform-d	4.342	84	164689	4.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.031	65	81873	5.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.047	84	341038	4.497	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.066	67	108828	5.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.310	98	297095	4.352	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	7.622	79	32673	4.730	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.088	63	146881	49.821	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.640%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	77211	5.259	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	106393	5.337	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1123	0.059	ug/L	95
6) Bromomethane	1.523	94	769	0.059	ug/L	96
8) Chloroethane	1.490	64	89028	6.975	ug/L #	52
12) 1,1-Dichloroethene	2.111	96	1917	0.115	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	951	0.049	ug/L	78
19) 1,1-Dichloroethane	3.191	63	4815	0.152	ug/L	97
21) 2-Butanone	4.105	43	17452	6.238	ug/L #	52
22) cis-1,2-Dichloroethene	3.905	96	69449	3.535	ug/L	99
25) Chloroform	4.368	83	8747	0.264	ug/L	80
29) 1,1,1-Trichloroethane	4.609	97	10640	0.357	ug/L	98
31) Carbon tetrachloride	4.600	117	1280	0.050	ug/L	92
34) Trichloroethene	5.908	95	221286	11.133	ug/L	97
35) Methylcyclohexane	6.066	83	25648	0.734	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11058	0.618	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2171	0.087	ug/L #	54
49) Dibromochloromethane	7.976	129	550	0.039	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	11961	1.571	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

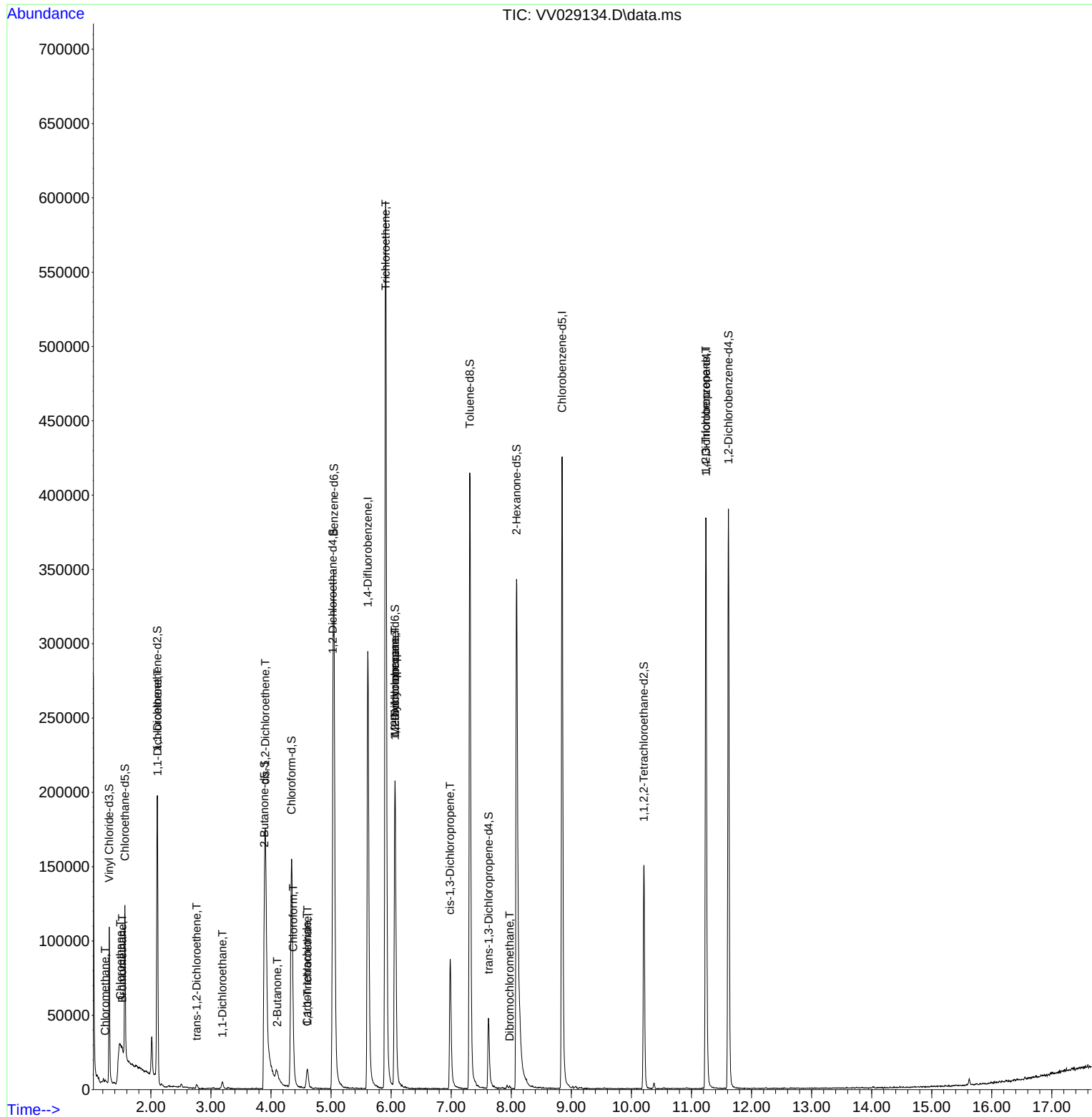
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

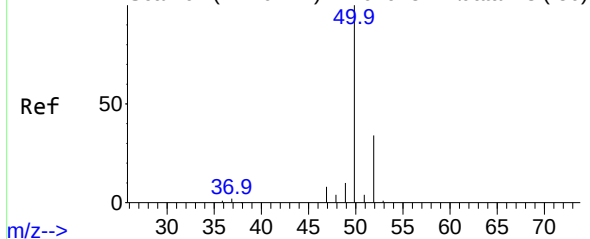
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Abundance Scan 62 (1.240 min): VV029132.D\data.ms (-50)



#3

Chloromethane

Concen: 0.059 ug/L

RT: 1.240 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

Instrument :

MSVOA_V

ClientSampleId :

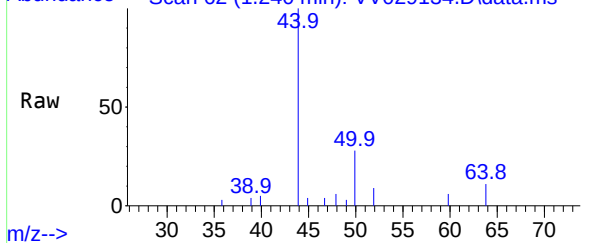
Tgt Ion: 50 Resp: 1123

Ion Ratio Lower Upper

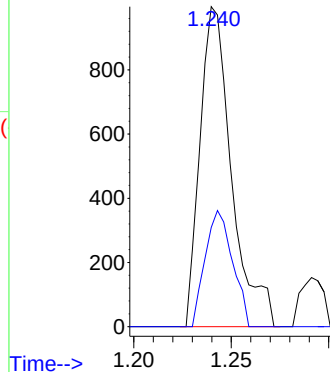
50 100

52 31.0 23.7 43.9

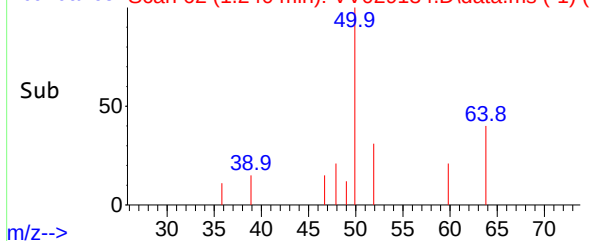
Abundance Scan 62 (1.240 min): VV029134.D\data.ms



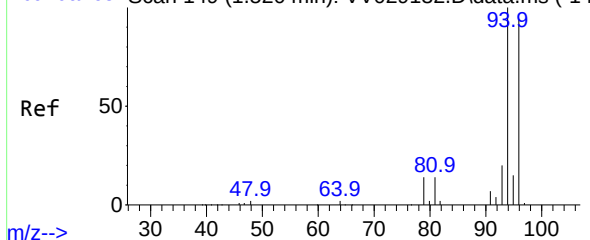
Abundance



Abundance Scan 62 (1.240 min): VV029134.D\data.ms (-1)



Abundance Scan 149 (1.520 min): VV029132.D\data.ms (-14)



#6

Bromomethane

Concen: 0.059 ug/L

RT: 1.523 min Scan# 150

Delta R.T. -0.000 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

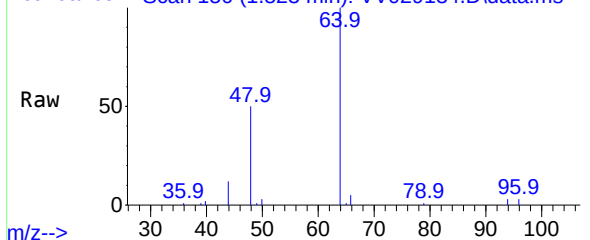
Tgt Ion: 94 Resp: 769

Ion Ratio Lower Upper

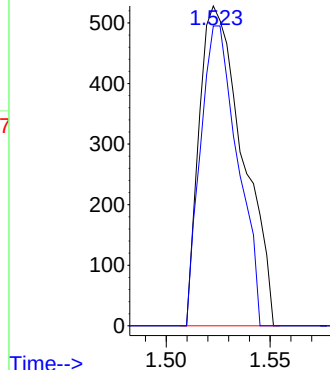
94 100

96 93.8 68.5 127.3

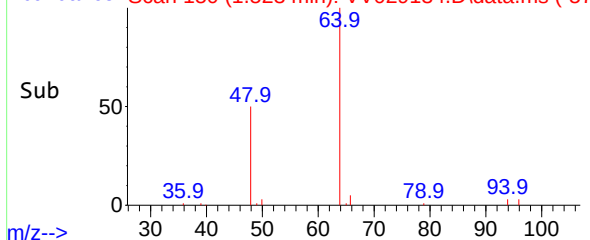
Abundance Scan 150 (1.523 min): VV029134.D\data.ms

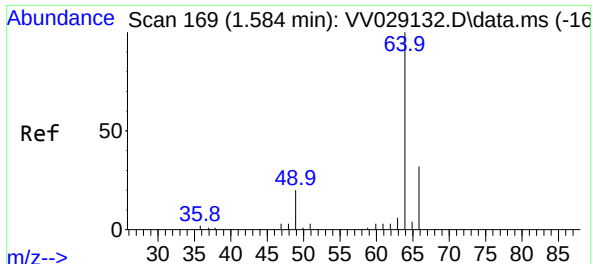


Abundance



Abundance Scan 150 (1.523 min): VV029134.D\data.ms (-57)

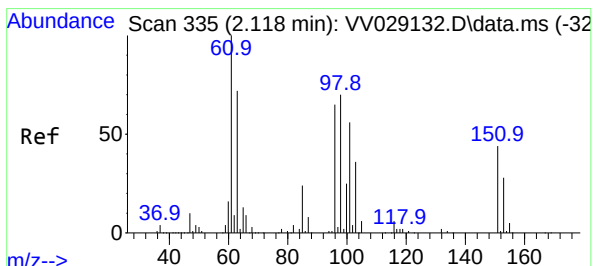
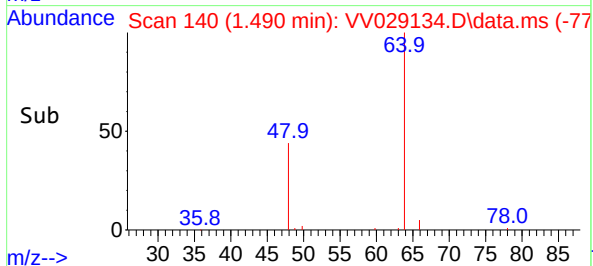
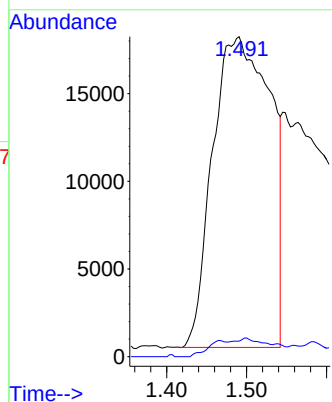
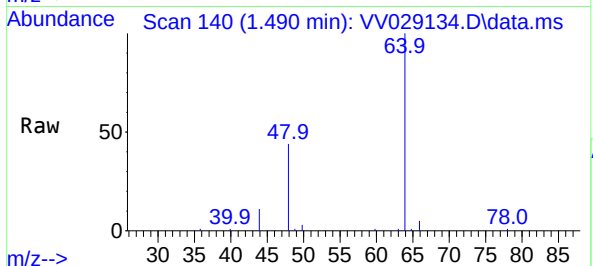




#8
Chloroethane
Concen: 6.975 ug/L
RT: 1.490 min Scan# 14
Delta R.T. -0.097 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

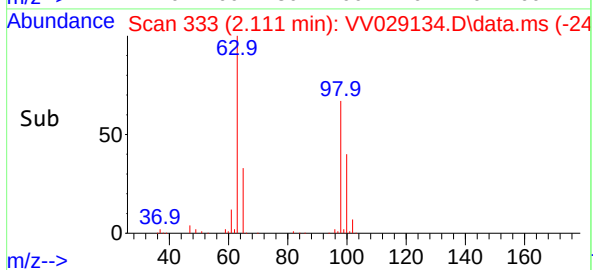
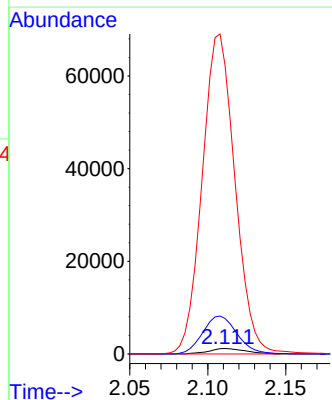
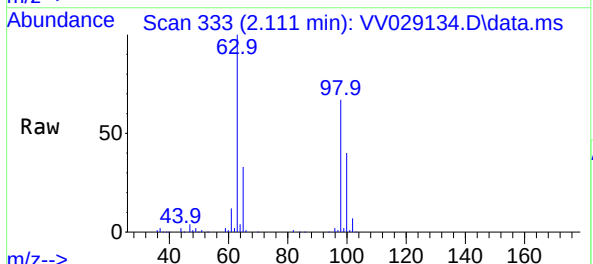
Instrument :
MSVOA_V
ClientSampleId :

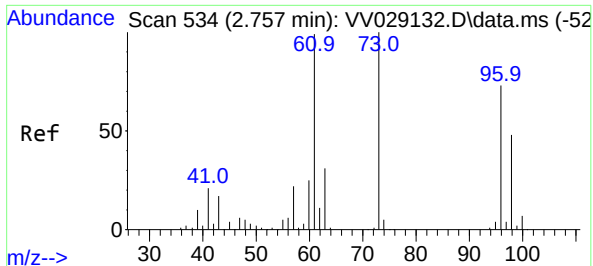
Tgt Ion: 64 Resp: 89028
Ion Ratio Lower Upper
64 100
66 4.8 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.115 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.010 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

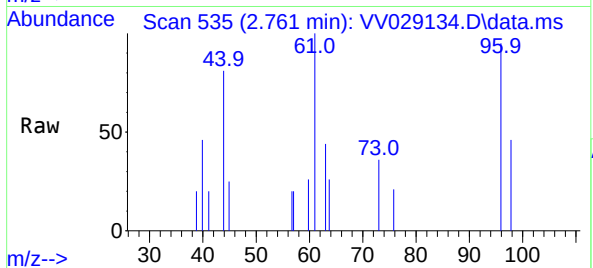
Tgt Ion: 96 Resp: 1917
Ion Ratio Lower Upper
96 100
61 649.1 104.2 193.4#
63 5279.6 75.9 140.9#



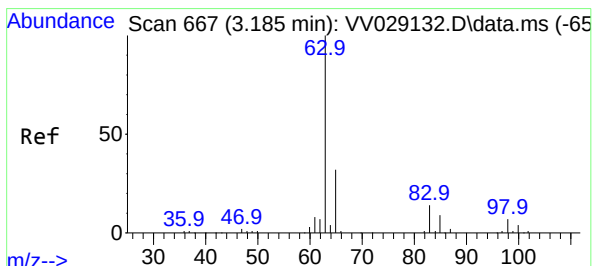
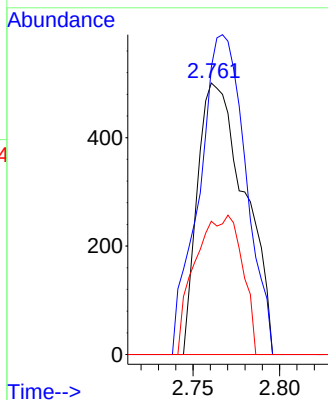
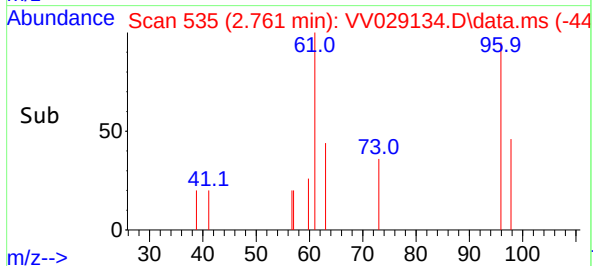


#18
trans-1,2-Dichloroethene
Concen: 0.049 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

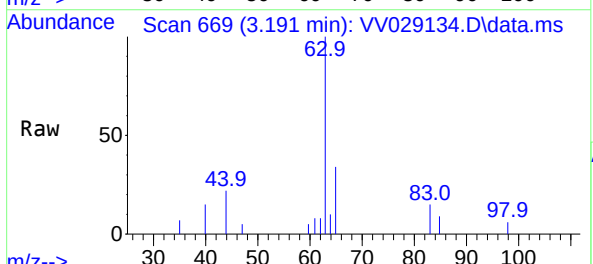
Instrument :
MSVOA_V
ClientSampleId :



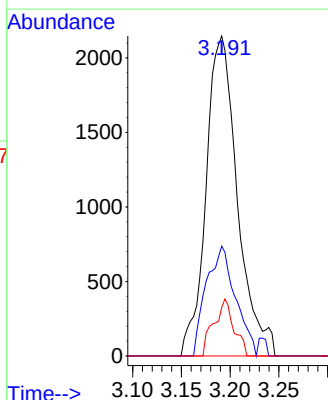
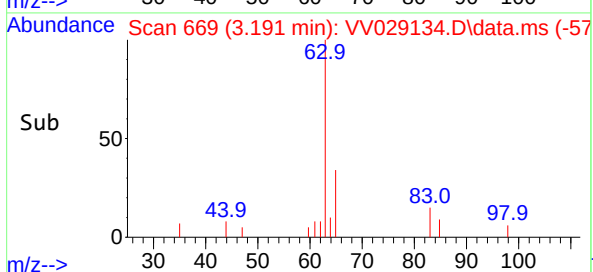
Tgt Ion: 96 Resp: 951
Ion Ratio Lower Upper
96 100
61 105.8 91.8 170.6
98 49.1 46.4 86.2

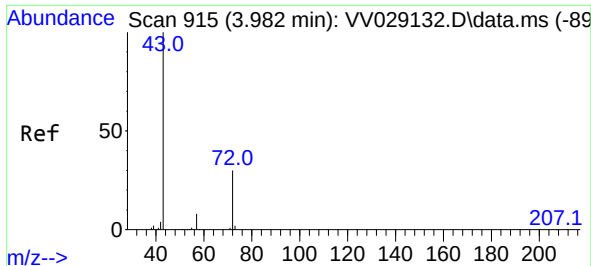


#19
1,1-Dichloroethane
Concen: 0.152 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22



Tgt Ion: 63 Resp: 4815
Ion Ratio Lower Upper
63 100
65 34.3 23.0 42.6
83 15.2 9.4 17.6

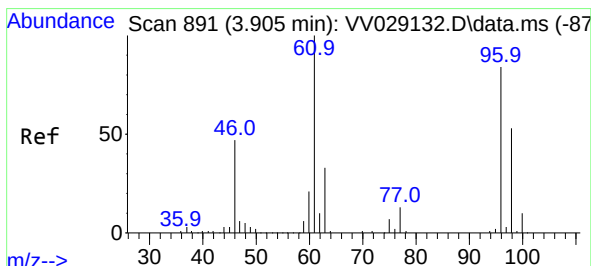
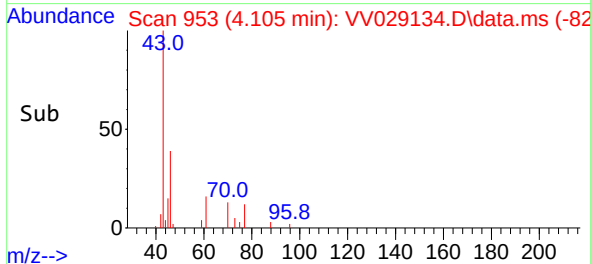
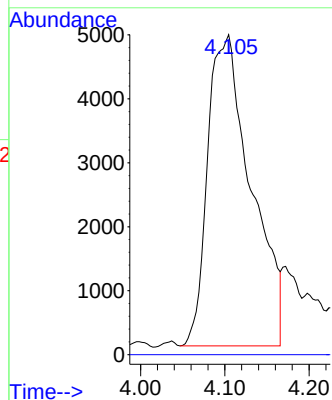
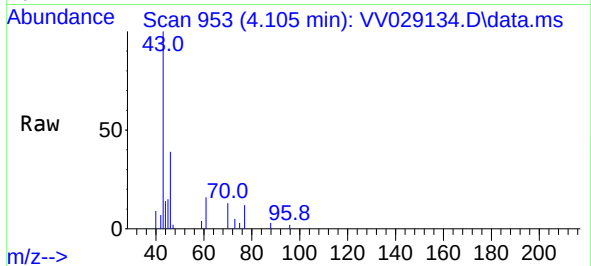




#21
2-Butanone
Concen: 6.238 ug/L
RT: 4.105 min Scan# 915
Delta R.T. 0.119 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

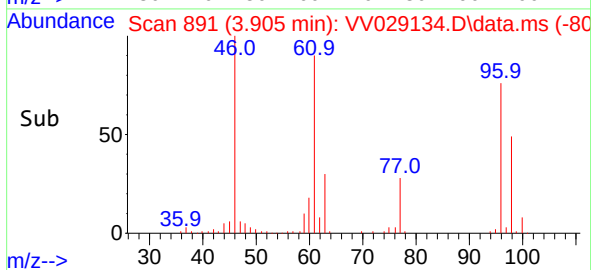
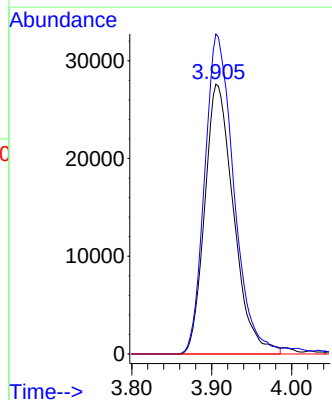
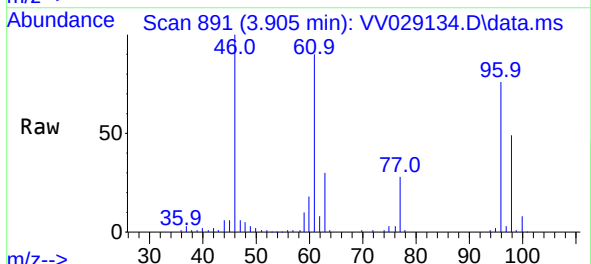
Instrument :
MSVOA_V
ClientSampleId :

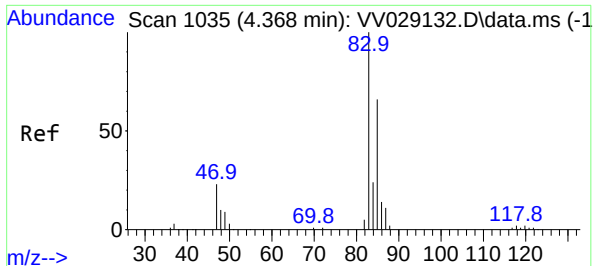
Tgt Ion: 43 Resp: 17452
Ion Ratio Lower Upper
43 100
72 0.2 11.9 35.9#



#22
cis-1,2-Dichloroethene
Concen: 3.535 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.007 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

Tgt Ion: 96 Resp: 69449
Ion Ratio Lower Upper
96 100
61 118.6 82.3 152.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.264 ug/L

RT: 4.368 min Scan# 110

Delta R.T. -0.006 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

Instrument :

MSVOA_V

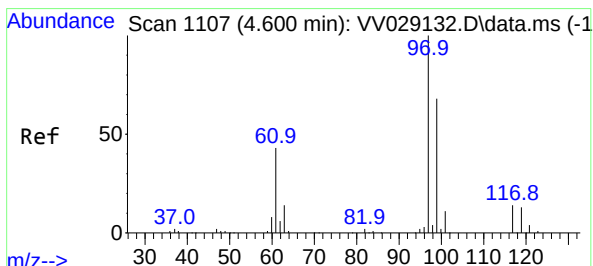
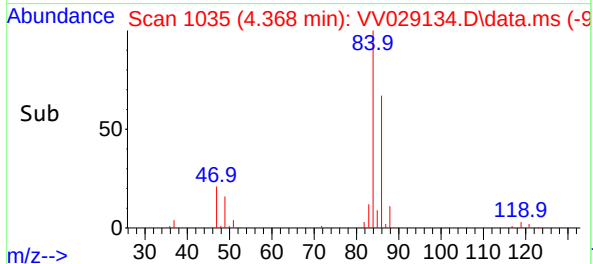
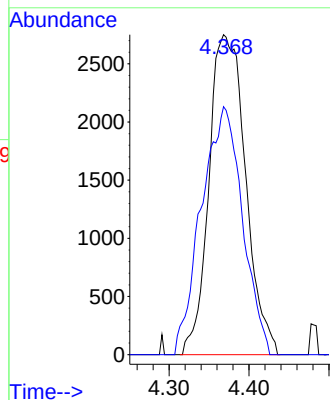
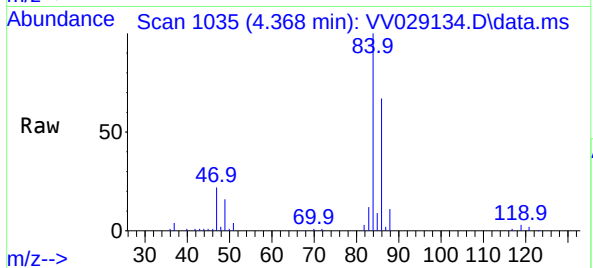
ClientSampleId :

Tgt Ion: 83 Resp: 8747

Ion Ratio Lower Upper

83 100

85 77.5 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.357 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

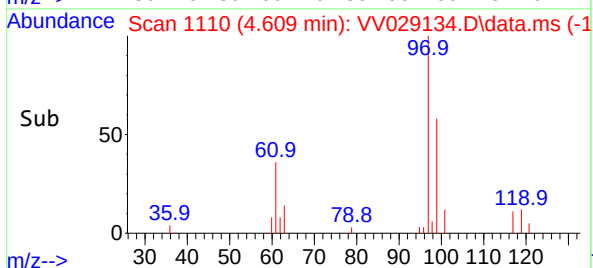
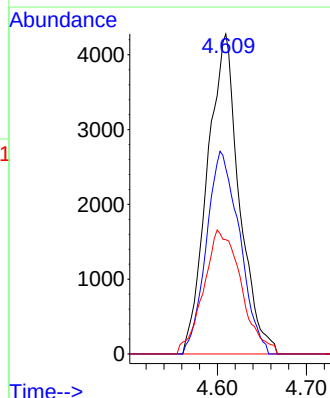
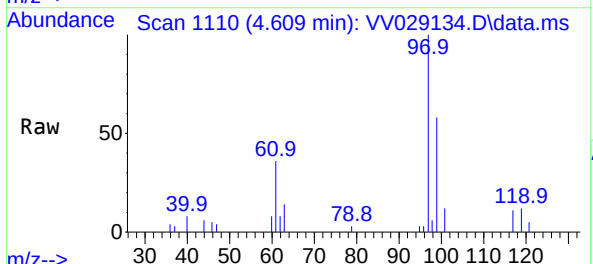
Tgt Ion: 97 Resp: 10640

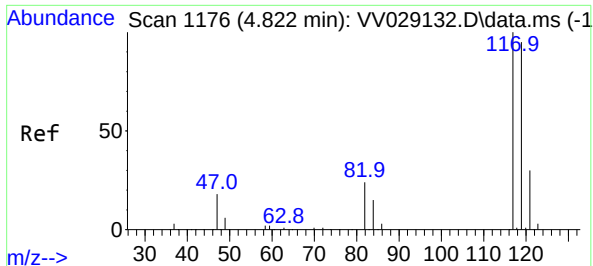
Ion Ratio Lower Upper

97 100

99 65.9 52.7 79.1

61 45.6 33.8 50.6

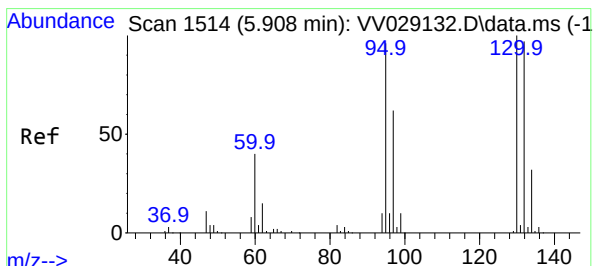
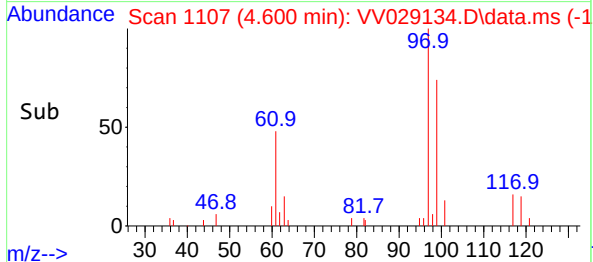
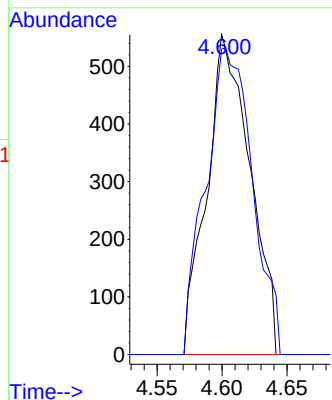
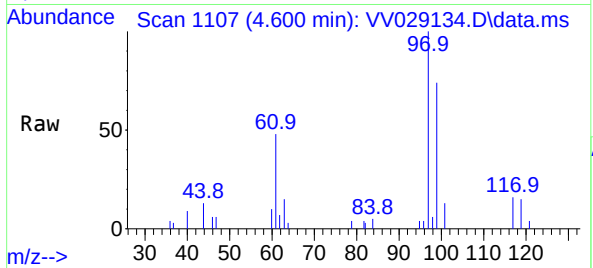




#31
Carbon tetrachloride
Concen: 0.050 ug/L
RT: 4.600 min Scan# 1176
Delta R.T. -0.228 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

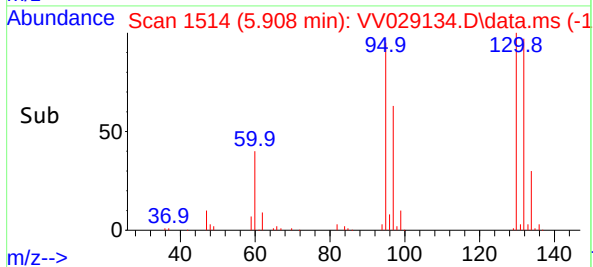
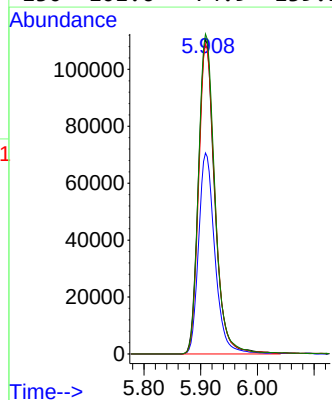
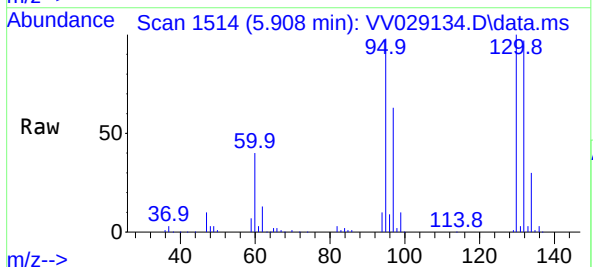
Instrument :
MSVOA_V
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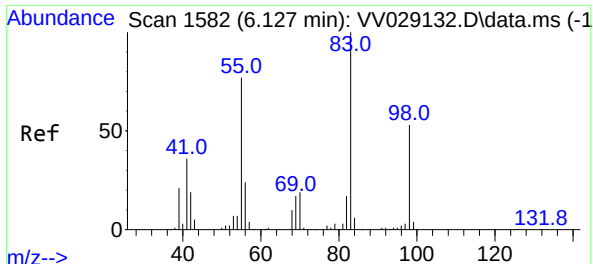
Tgt Ion:117 Resp: 1280
Ion Ratio Lower Upper
117 100
119 104.4 77.0 115.6



#34
Trichloroethene
Concen: 11.133 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.007 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

Tgt Ion: 95 Resp: 221286
Ion Ratio Lower Upper
95 100
97 63.8 45.6 84.8
132 98.4 69.1 128.3
130 101.6 74.9 139.1





#35

Methylcyclohexane

Concen: 0.734 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.064 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

Instrument :

MSVOA_V

ClientSampleId :

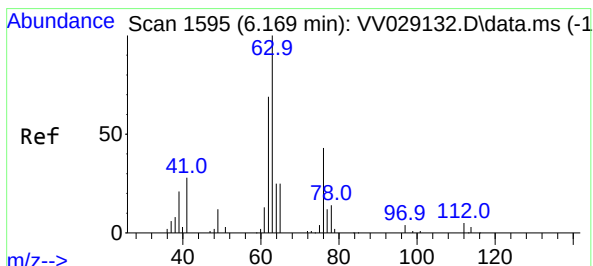
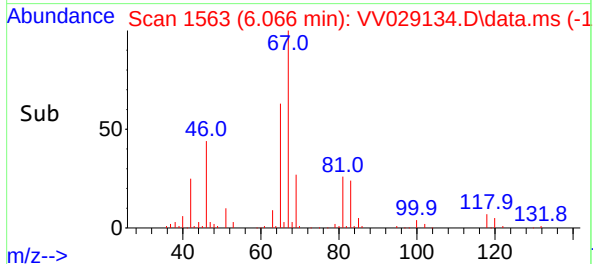
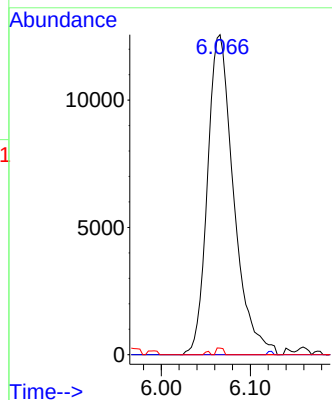
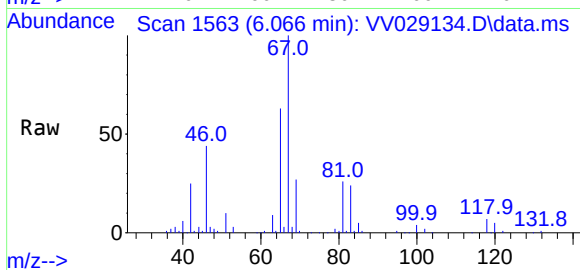
Tgt Ion: 83 Resp: 25648

Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 0.7 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.618 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.109 min

Lab File: VV029134.D

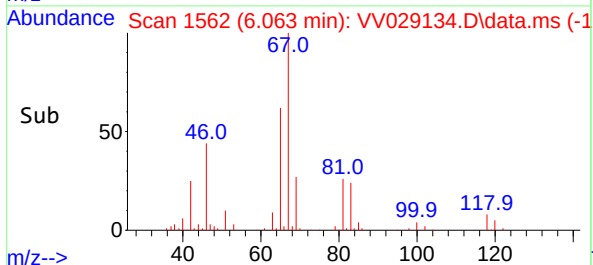
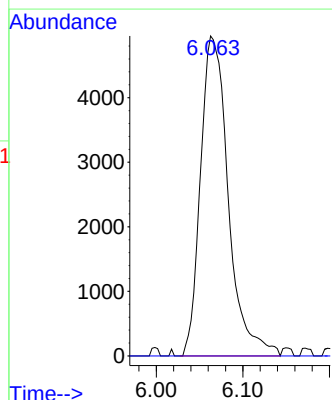
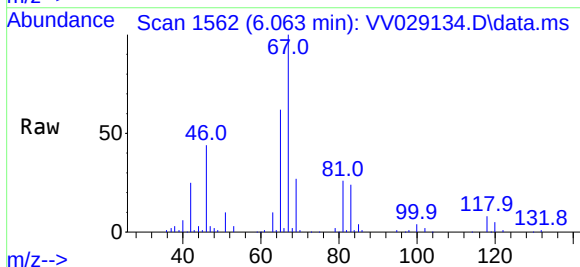
Acq: 18 Nov 2022 22:22

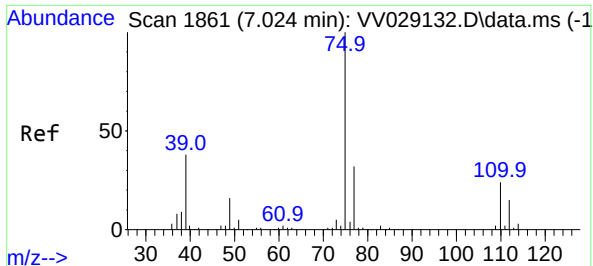
Tgt Ion: 63 Resp: 11058

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV029134.D

Acq: 18 Nov 2022 22:22

Instrument :

MSVOA_V

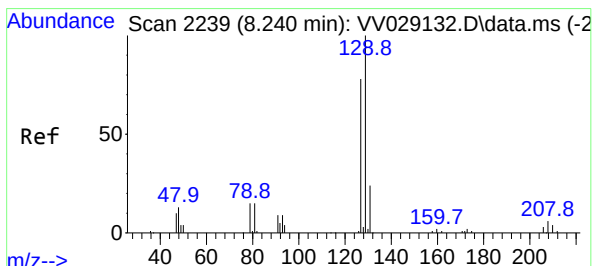
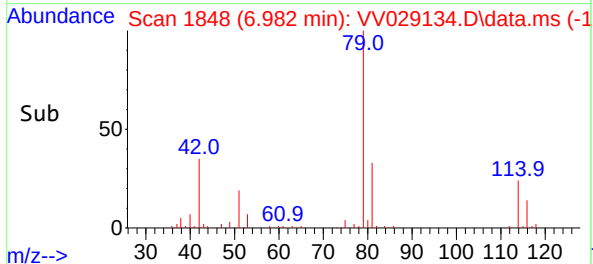
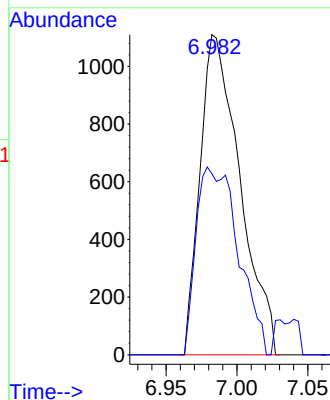
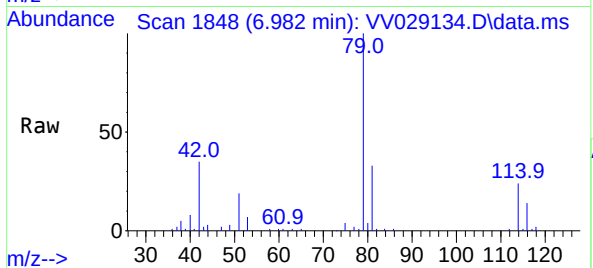
ClientSampleId :

Tgt Ion: 75 Resp: 2171

Ion Ratio Lower Upper

75 100

77 56.6 21.8 40.6#



#49

Dibromochloromethane

Concen: 0.039 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.264 min

Lab File: VV029134.D

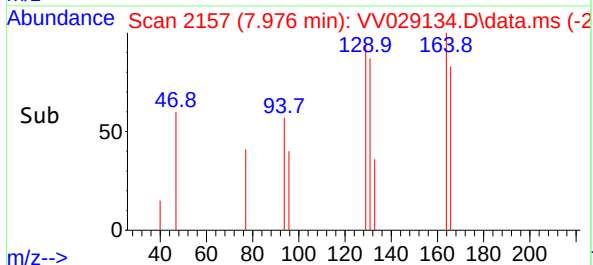
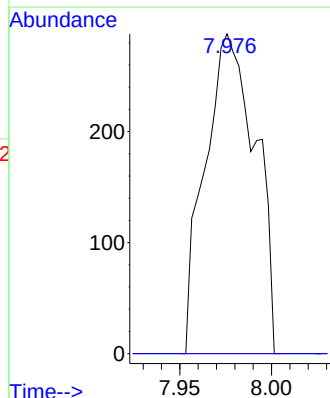
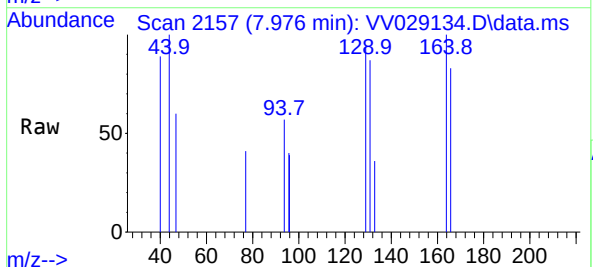
Acq: 18 Nov 2022 22:22

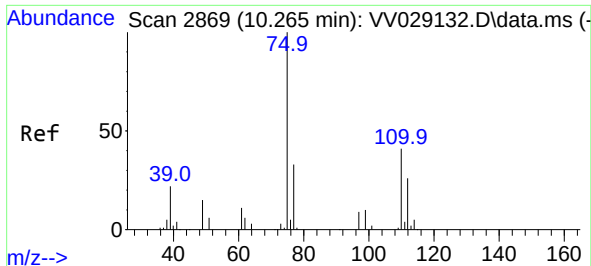
Tgt Ion: 129 Resp: 550

Ion Ratio Lower Upper

129 100

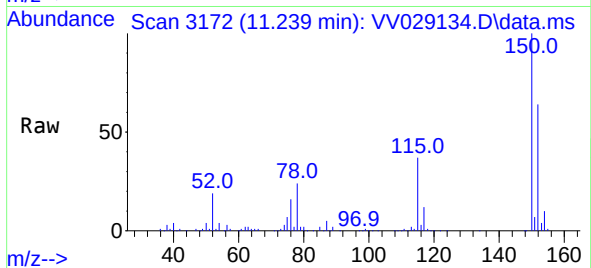
127 0.0 54.5 101.1#





#61
1,2,3-Trichloropropane
Concen: 1.571 ug/L
RT: 11.239 min Scan# 31
Delta R.T. 0.971 min
Lab File: VV029134.D
Acq: 18 Nov 2022 22:22

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 11961
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
110 2.2 32.6 48.8#

