

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081322\
 Data File : VW027376.D
 Acq On : 13 Aug 2022 18:25
 Operator : SY/MD
 Sample : N4133-01DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 21:54:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 21:49:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	145335	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	146592	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	64719	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	58079	4.600	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.000%	
7) Chloroethane-d5	1.532	69	36810	4.014	ug/L	-0.03
Spiked Amount	5.000	Range 65 - 130	Recovery	=	80.200%	
11) 1,1-Dichloroethene-d2	2.092	63	78269	3.418	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	68.400%	
20) 2-Butanone-d5	3.870	46	118254	55.300	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	110.600%	
24) Chloroform-d	4.339	84	112554	4.861	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.200%	
26) 1,2-Dichloroethane-d4	5.024	65	56565	5.127	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.600%	
32) Benzene-d6	5.040	84	211676	4.895	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.800%	
36) 1,2-Dichloropropane-d6	6.063	67	71114	5.319	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	106.400%	
41) Toluene-d8	7.313	98	173486	4.382	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.600%	
43) trans-1,3-Dichloroprop...	7.622	79	22124	4.777	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.600%	
46) 2-Hexanone-d5	8.085	63	83525	46.601	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.200%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	48215	4.985	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.600%	
66) 1,2-Dichlorobenzene-d4	11.622	152	62555	5.600	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	112.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	1219	0.071	ug/L	100
5) Vinyl chloride	1.307	62	9851	0.611	ug/L #	70
6) Bromomethane	1.494	94	1169	0.155	ug/L	97
8) Chloroethane	1.307	64	2358	0.263	ug/L	87
12) 1,1-Dichloroethene	2.101	96	1021	0.098	ug/L #	1
14) Carbon disulfide	2.278	76	3767	0.090	ug/L	96
16) Methylene chloride	2.497	84	6814	0.405	ug/L	97
17) Methyl tert-butyl Ether	2.764	73	2912	0.119	ug/L	95
18) trans-1,2-Dichloroethene	2.751	96	1000	0.078	ug/L #	88
22) cis-1,2-Dichloroethene	3.899	96	82037	6.481	ug/L	93
25) Chloroform	4.368	83	4054	0.160	ug/L	92
34) Trichloroethene	5.915	95	3626	0.291	ug/L	86
35) Methylcyclohexane	6.063	83	17161	0.999	ug/L #	17
44) trans-1,3-Dichloropropene	7.625	75	1138	0.086	ug/L	88
61) 1,2,3-Trichloropropane	11.246	75	8108	1.301	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.924	105	792	0.070	ug/L	96

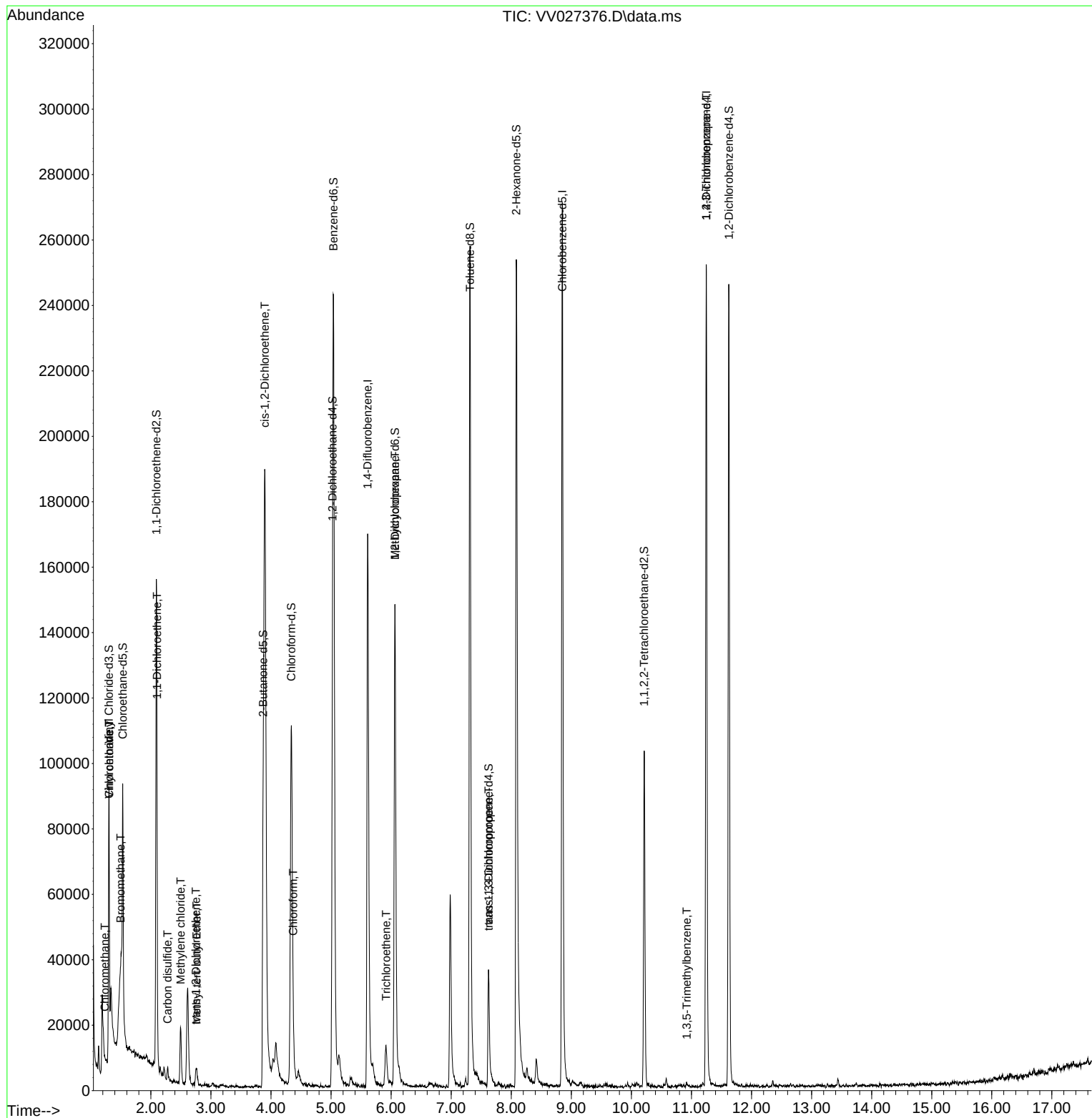
(#) = qualifier out of range (m) = manual integration (+) = signals summed

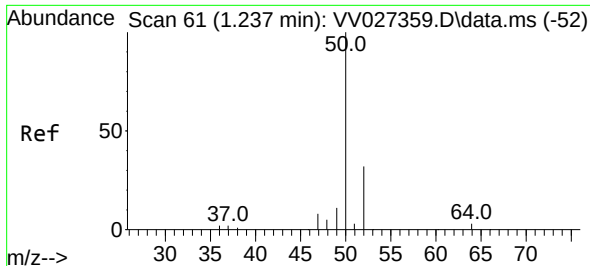
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081322\
Data File : VV027376.D
Acq On : 13 Aug 2022 18:25
Operator : SY/MD
Sample : N4133-01DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 13 21:54:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 21:49:38 2022
Response via : Initial Calibration

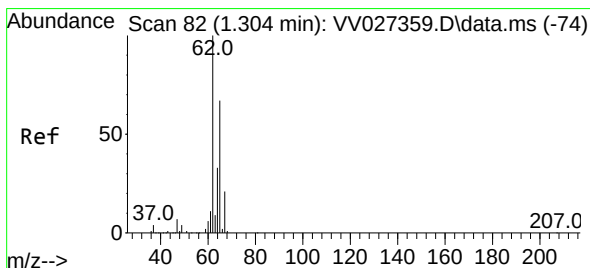
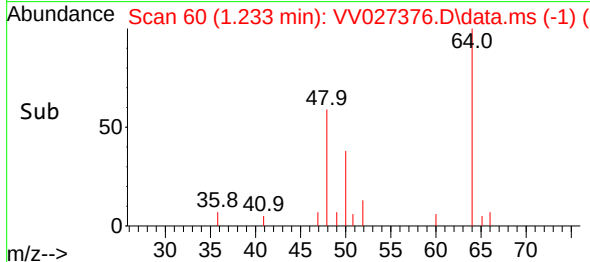
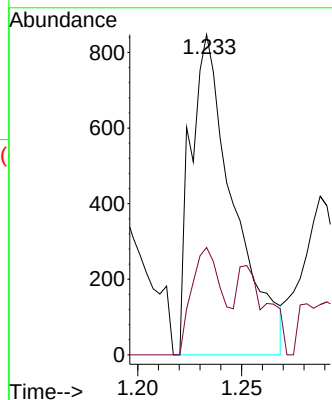
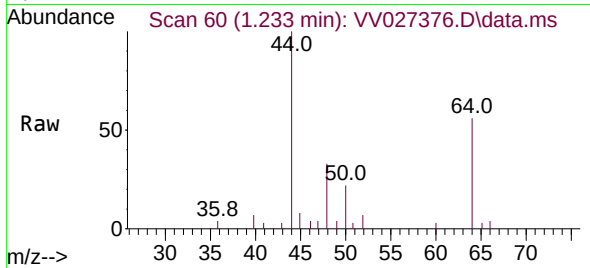




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

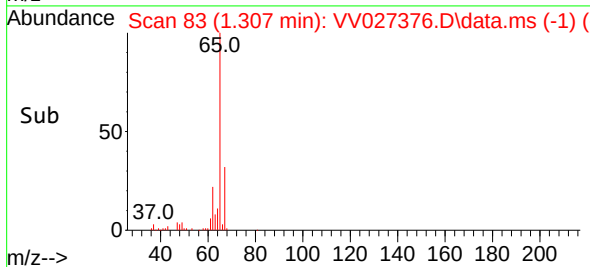
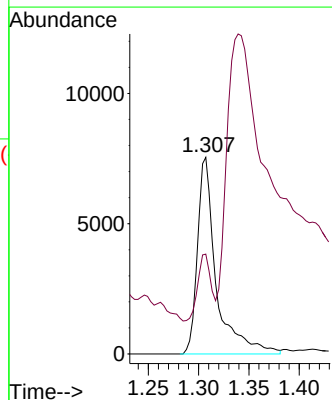
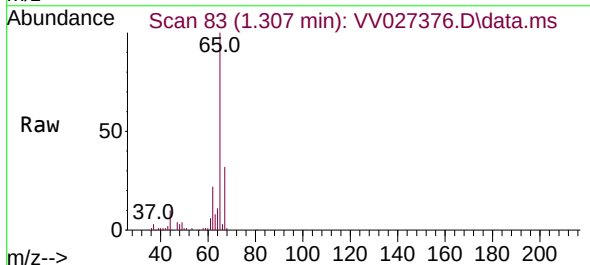
Instrument :
MSVOA_V
ClientSampleId :

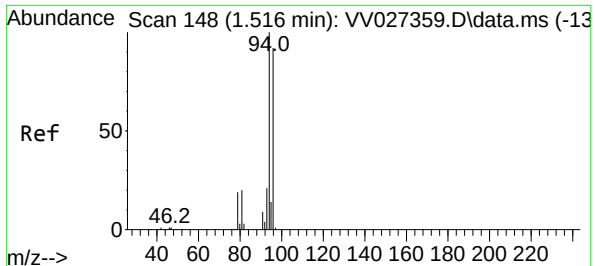
Tgt Ion: 50 Resp: 1219
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.4



#5
Vinyl chloride
Concen: 0.611 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Tgt Ion: 62 Resp: 9851
Ion Ratio Lower Upper
62 100
64 50.8 23.7 44.1#

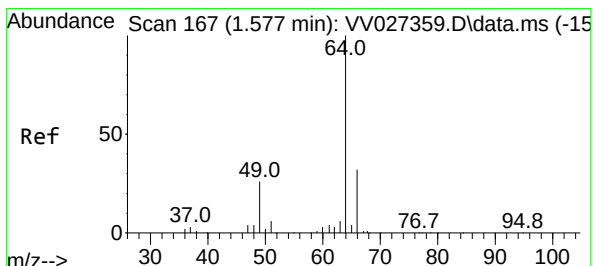
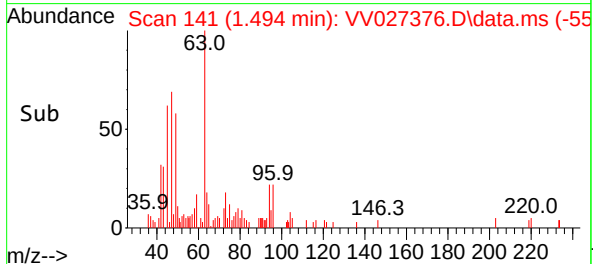
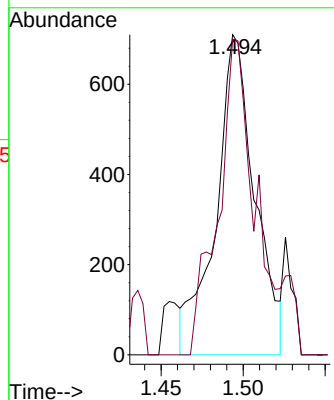
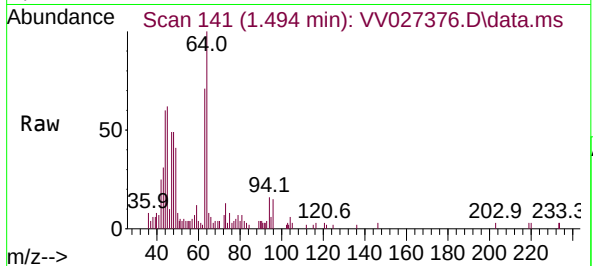




#6
Bromomethane
Concen: 0.155 ug/L
RT: 1.494 min Scan# 14
Delta R.T. -0.023 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

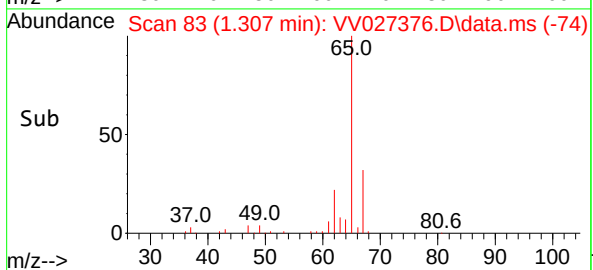
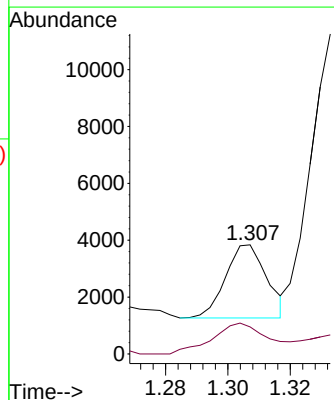
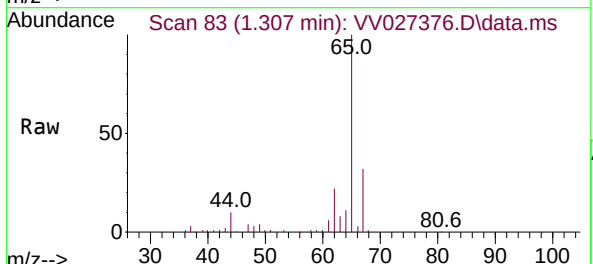
Instrument :
MSVOA_V
ClientSampleId :

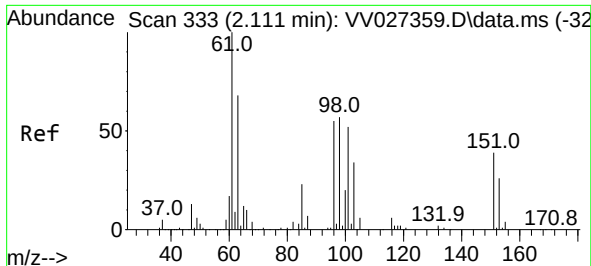
Tgt Ion: 94 Resp: 1169
Ion Ratio Lower Upper
94 100
96 98.6 67.2 124.8



#8
Chloroethane
Concen: 0.263 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.270 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Tgt Ion: 64 Resp: 2358
Ion Ratio Lower Upper
64 100
66 24.7 22.3 41.5





#12

1,1-Dichloroethene

Concen: 0.098 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV027376.D

Acq: 13 Aug 2022 18:25

Instrument :

MSVOA_V

ClientSampleId :

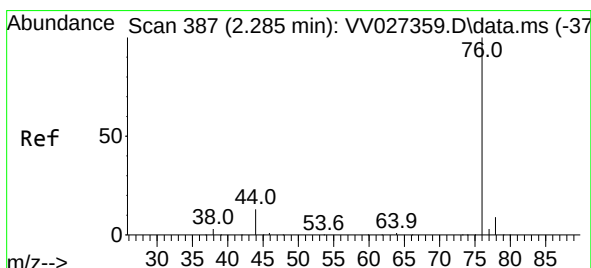
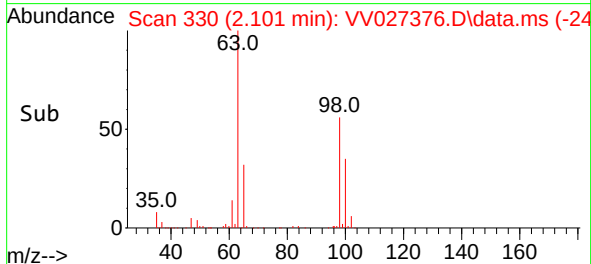
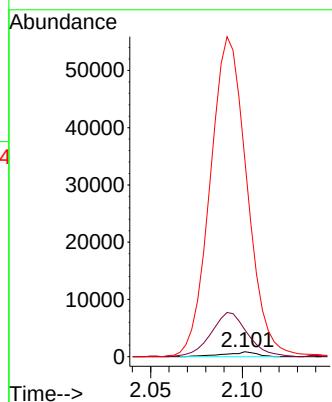
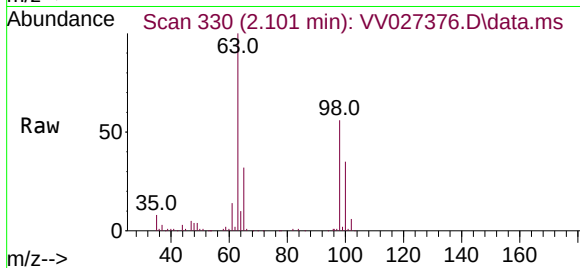
Tgt Ion: 96 Resp: 1021

Ion Ratio Lower Upper

96 100

61 540.0 130.7 242.7#

63 3964.1 101.4 188.2#



#14

Carbon disulfide

Concen: 0.090 ug/L

RT: 2.278 min Scan# 385

Delta R.T. -0.007 min

Lab File: VV027376.D

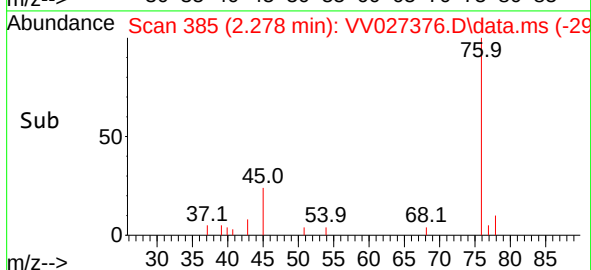
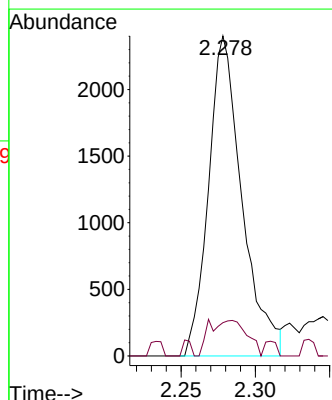
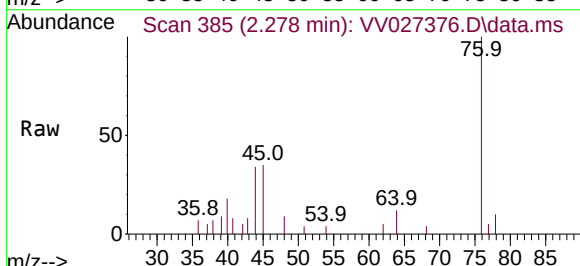
Acq: 13 Aug 2022 18:25

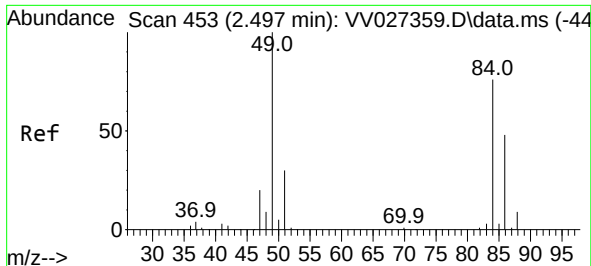
Tgt Ion: 76 Resp: 3767

Ion Ratio Lower Upper

76 100

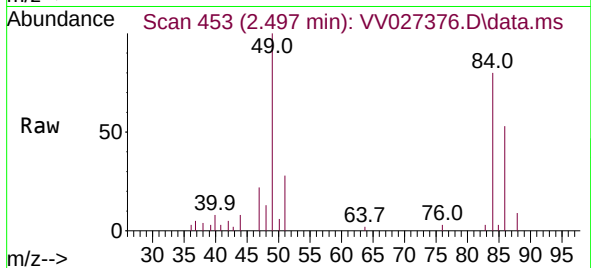
78 10.4 7.2 10.8





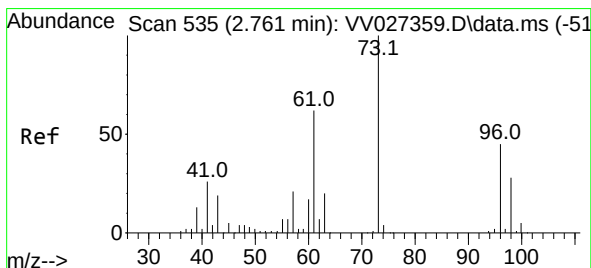
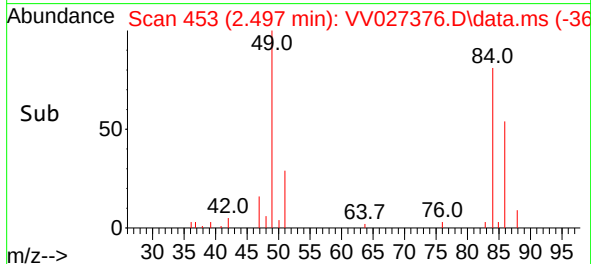
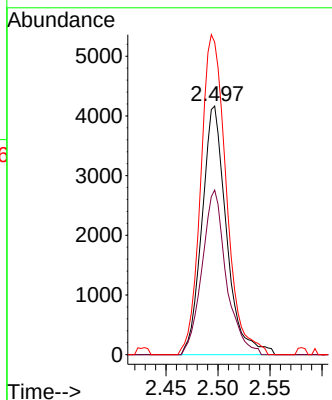
#16
Methylene chloride
Concen: 0.405 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.000 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 6814

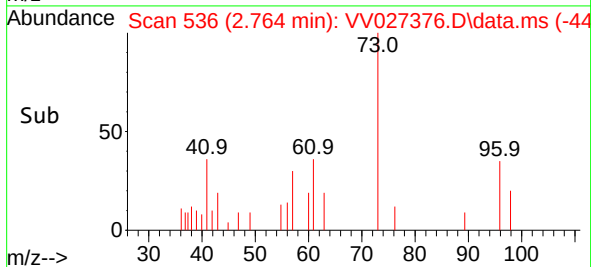
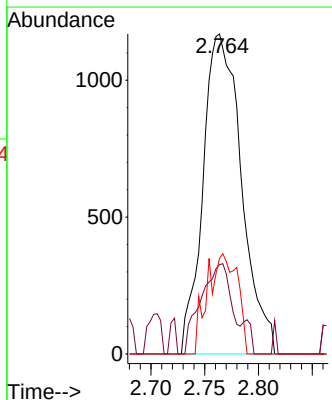
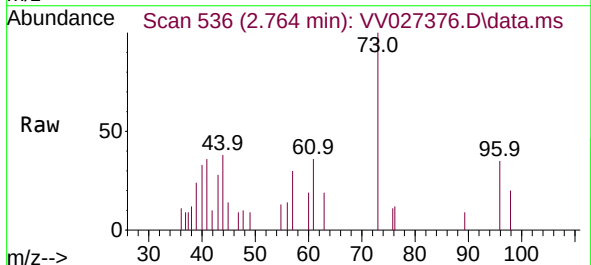
Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.1	83.9
49	125.6	91.2	169.4

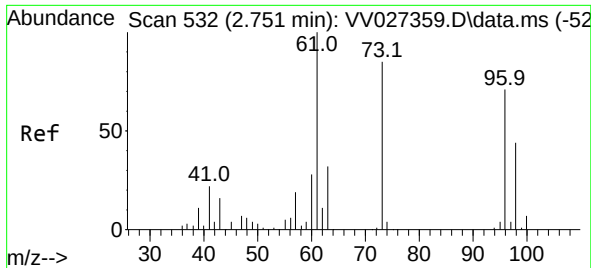


#17
Methyl tert-butyl Ether
Concen: 0.119 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Tgt Ion: 73 Resp: 2912

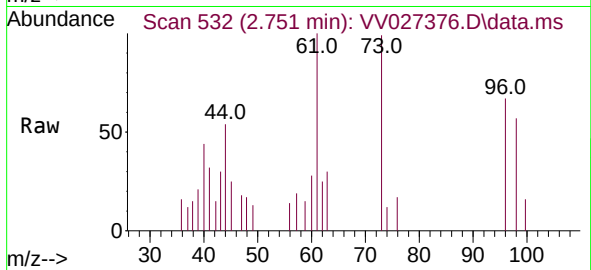
Ion	Ratio	Lower	Upper
73	100		
43	22.6	15.8	23.8
57	24.5	18.3	27.5



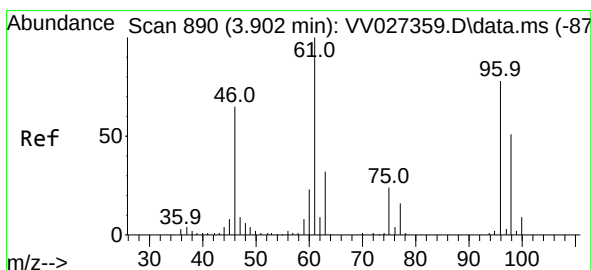
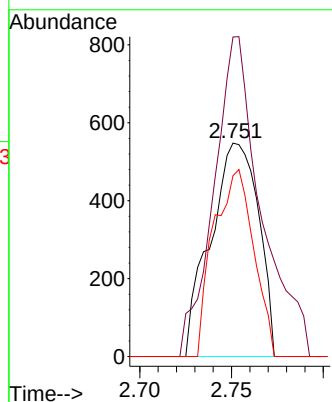
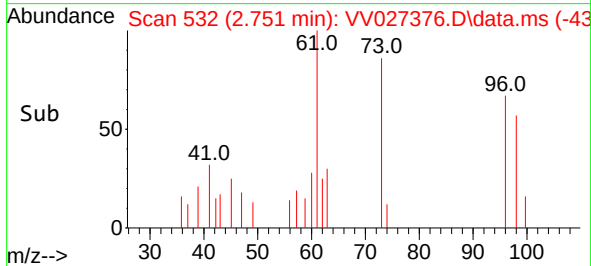


#18
trans-1,2-Dichloroethene
Concen: 0.078 ug/L
RT: 2.751 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Instrument :
MSVOA_V
ClientSampleId :

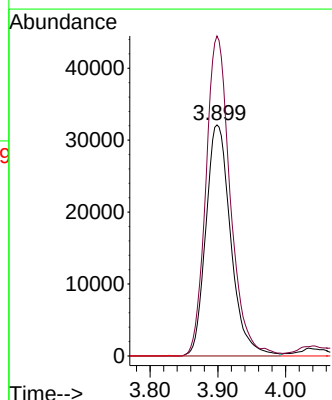
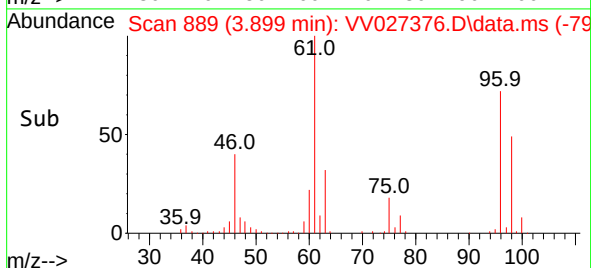
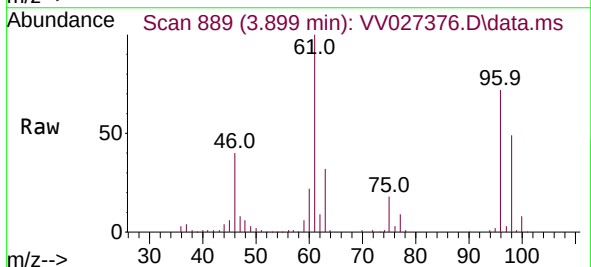


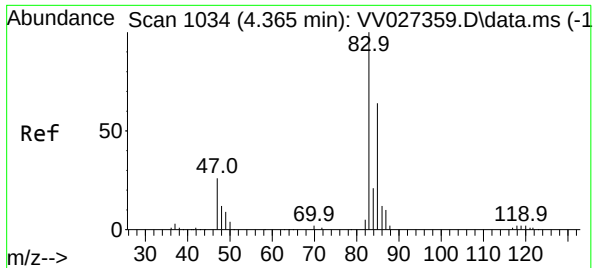
Tgt Ion: 96 Resp: 1000
Ion Ratio Lower Upper
96 100
61 149.6 99.6 185.0
98 84.7 45.1 83.7#



#22
cis-1,2-Dichloroethene
Concen: 6.481 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.003 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Tgt Ion: 96 Resp: 82037
Ion Ratio Lower Upper
96 100
61 138.5 91.3 169.5
68 0.0 0.0 0.0

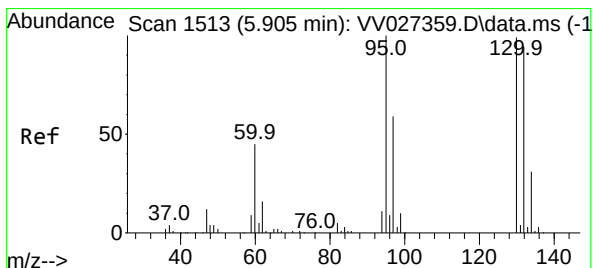
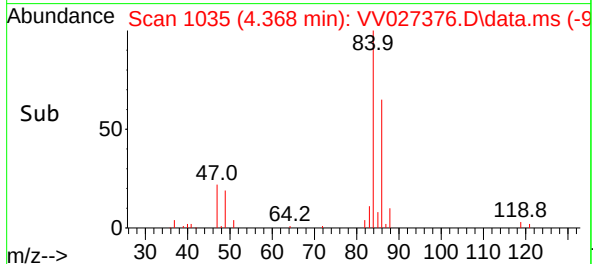
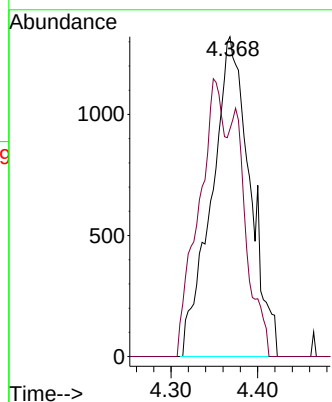
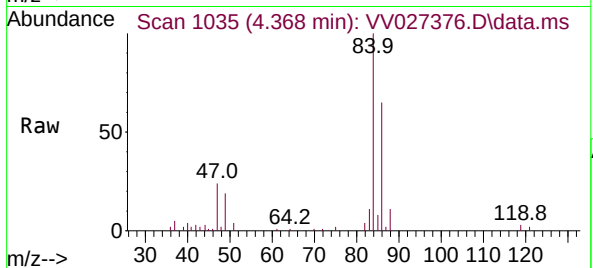




#25
Chloroform
Concen: 0.160 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

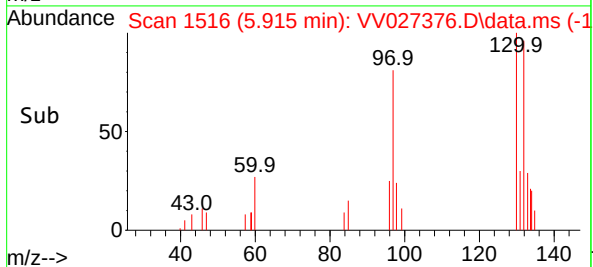
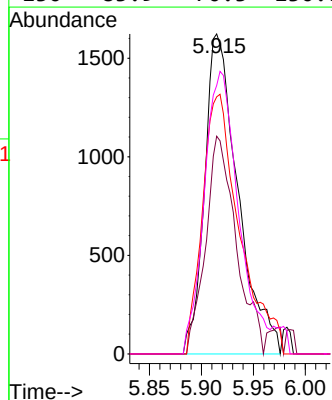
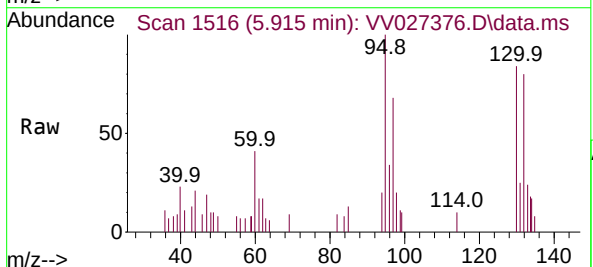
Instrument :
MSVOA_V
ClientSampleId :

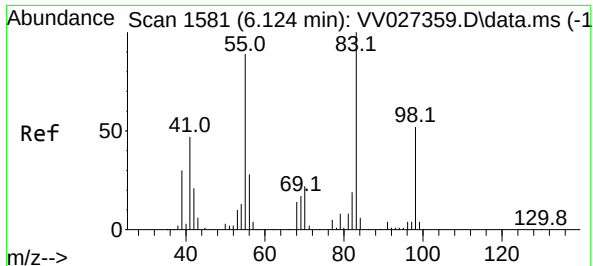
Tgt Ion: 83 Resp: 4054
Ion Ratio Lower Upper
83 100
85 71.2 45.2 84.0



#34
Trichloroethene
Concen: 0.291 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.009 min
Lab File: VV027376.D
Acq: 13 Aug 2022 18:25

Tgt Ion: 95 Resp: 3626
Ion Ratio Lower Upper
95 100
97 68.0 45.5 84.5
132 80.3 68.2 126.6
130 83.9 70.3 130.7





#35

Methylcyclohexane

Concen: 0.999 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV027376.D

Acq: 13 Aug 2022 18:25

Instrument :

MSVOA_V

ClientSampleId :

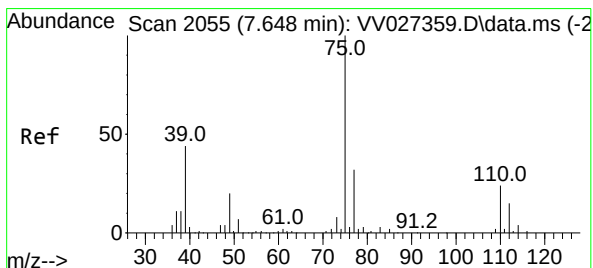
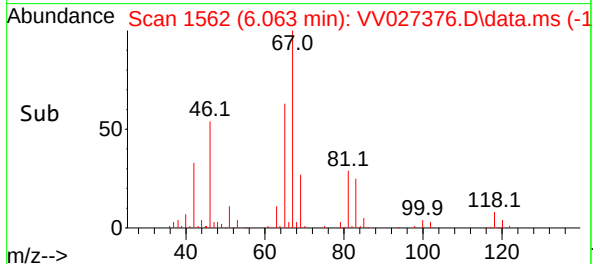
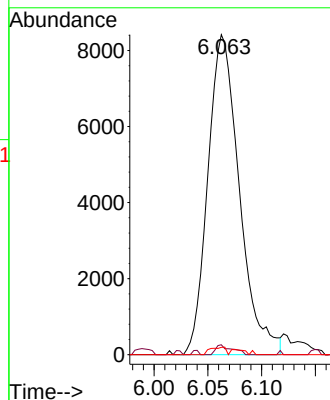
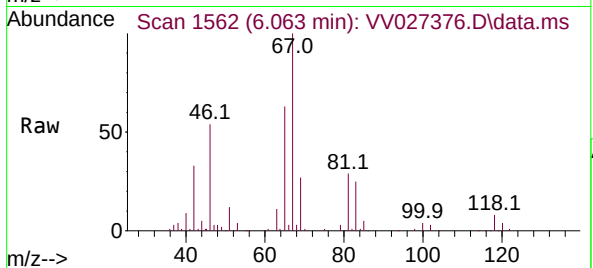
Tgt Ion: 83 Resp: 17161

Ion Ratio Lower Upper

83 100

55 1.6 67.0 100.6#

98 1.1 38.7 58.1#



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.023 min

Lab File: VV027376.D

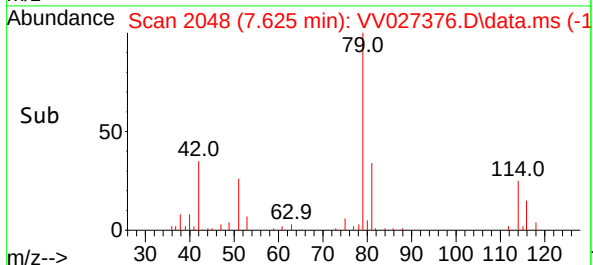
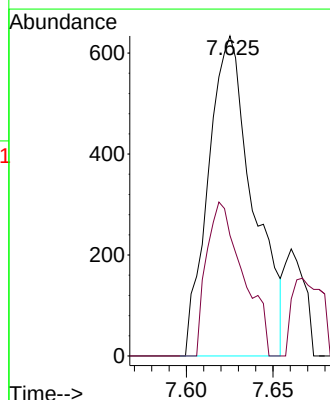
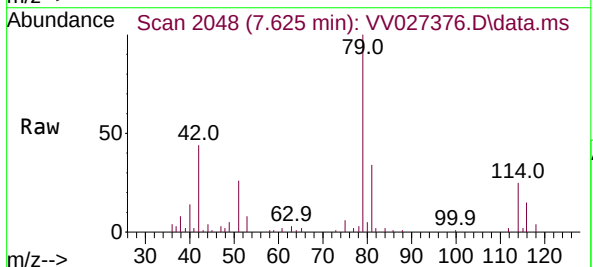
Acq: 13 Aug 2022 18:25

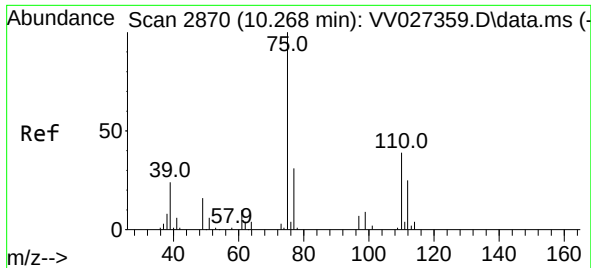
Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

75 100

77 37.7 21.9 40.7

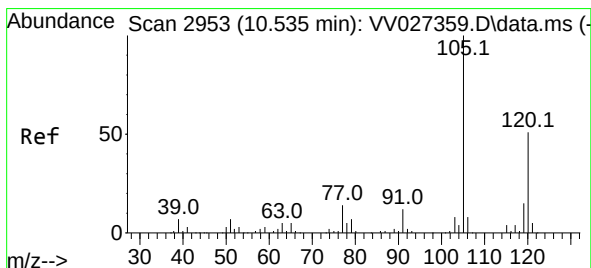
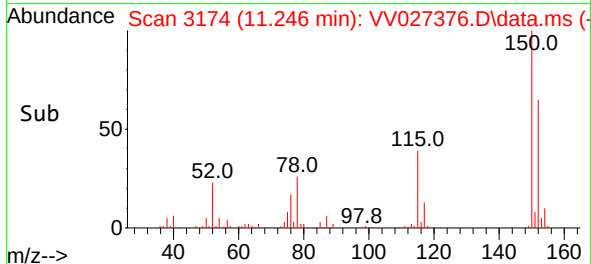
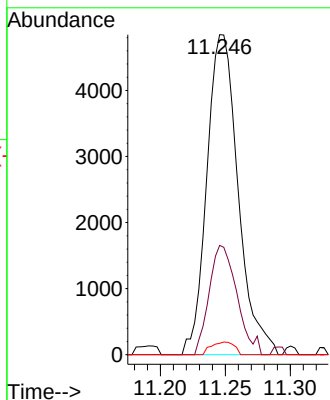
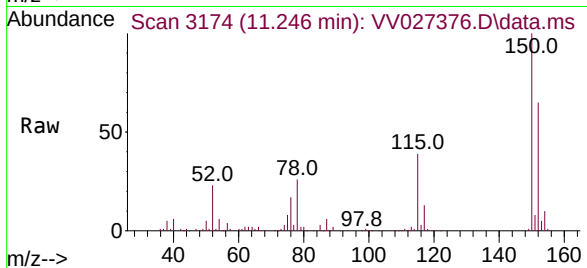




#61
 1,2,3-Trichloropropane
 Concen: 1.301 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.977 min
 Lab File: VV027376.D
 Acq: 13 Aug 2022 18:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 8108
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.6 39.8
 110 2.9 31.0 46.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.070 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.389 min
 Lab File: VV027376.D
 Acq: 13 Aug 2022 18:25

Tgt Ion: 105 Resp: 792
 Ion Ratio Lower Upper
 105 100
 120 45.1 38.2 57.4

