

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031424\
 Data File : VV034612.D
 Acq On : 14 Mar 2024 18:38
 Operator : SY/MD
 Sample : P1752-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 15 03:39:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 03:33:21 2024
 Response via : Initial Calibration

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

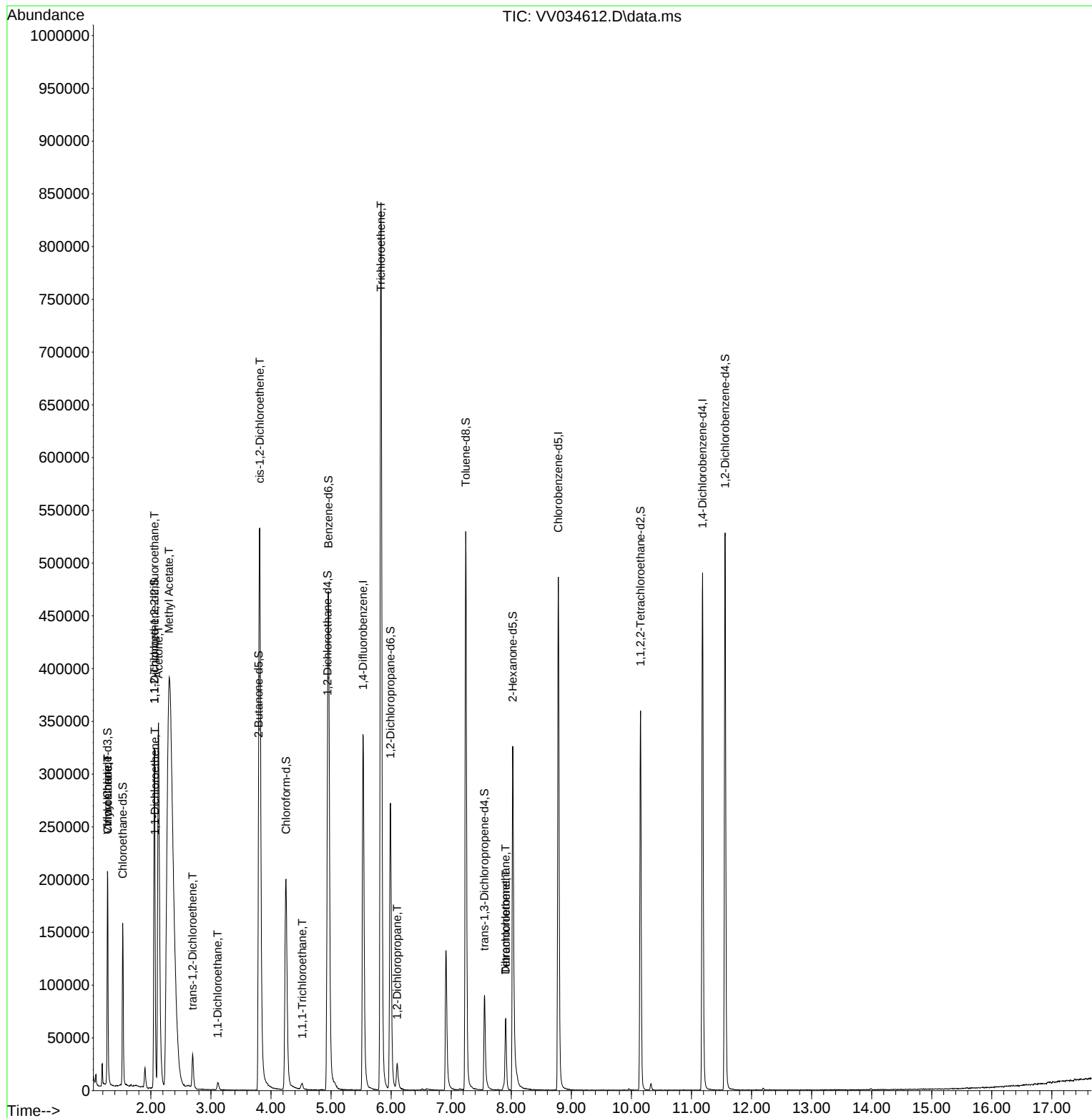
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	289733	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	264195	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	127511	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	110641	44.051	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.100%		
7) Chloroethane-d5	1.532	69	93794	47.933	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.860%		
11) 1,1-Dichloroethene-d2	2.060	65	51932	45.719	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.440%		
21) 2-Butanone-d5	3.793	46	173711	103.420	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.420%		
24) Chloroform-d	4.249	84	215609	48.550	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.100%		
26) 1,2-Dichloroethane-d4	4.941	65	142722	49.180	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.360%		
32) Benzene-d6	4.957	84	414124	51.938	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.880%		
36) 1,2-Dichloropropane-d6	5.989	67	131300	53.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.920%		
41) Toluene-d8	7.243	98	350012	48.507	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.020%		
43) trans-1,3-Dichloroprop...	7.555	79	54672	44.742	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.480%		
47) 2-Hexanone-d5	8.024	63	116632	95.985	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.980%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	164199	51.276	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.560%		
66) 1,2-Dichlorobenzene-d4	11.561	152	131569	50.480	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.960%		
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	19170	6.613	ug/L	91
8) Chloroethane	1.282	64	7792	4.522	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	1714	0.733	ug/L #	20
12) 1,1-Dichloroethene	2.069	96	10865	5.008	ug/L #	1
13) Acetone	2.127	43	510558	252.849	ug/L	99
15) Methyl Acetate	2.304	43	380498	147.294	ug/L #	53
17) trans-1,2-Dichloroethene	2.696	96	11303	5.383	ug/L	94
19) 1,1-Dichloroethane	3.114	63	7784	1.892	ug/L	94
20) cis-1,2-Dichloroethene	3.812	96	258524	113.470	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	4508	1.190	ug/L #	92
34) Trichloroethene	5.831	95	293145	125.756	ug/L	96
37) 1,2-Dichloropropane	6.098	63	10319	4.806	ug/L #	94
46) Tetrachloroethene	7.908	164	15223	8.781	ug/L	95
49) Dibromochloromethane	7.905	129	13406	6.132	ug/L #	11

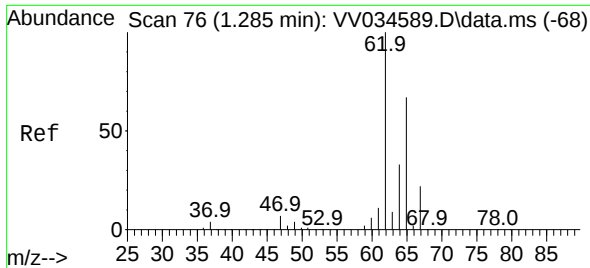
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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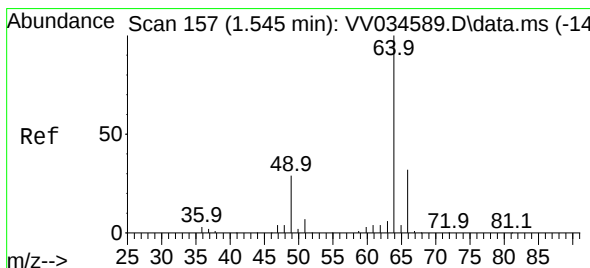
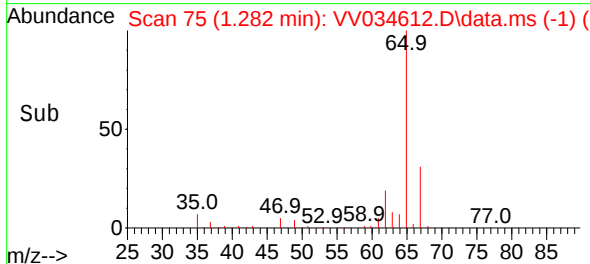
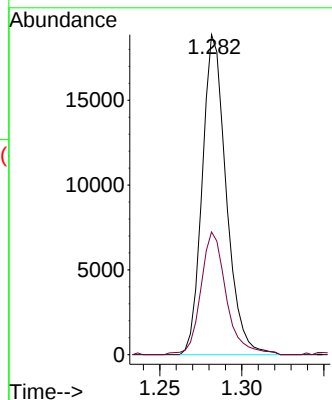
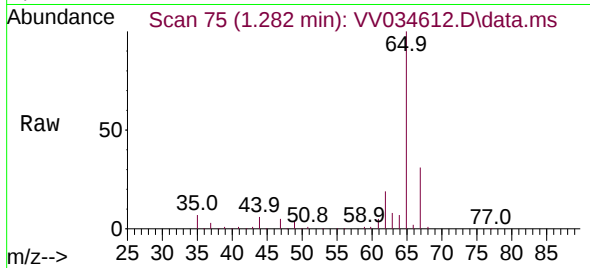




#5
 Vinyl chloride
 Concen: 6.613 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.003 min
 Lab File: VV034612.D
 Acq: 14 Mar 2024 18:38

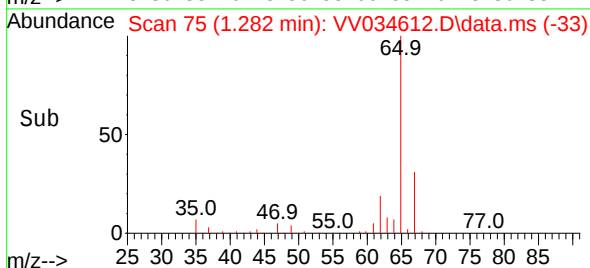
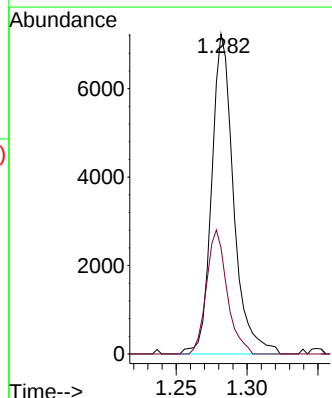
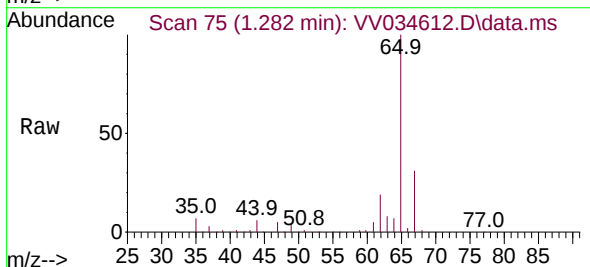
Instrument :
 MSVOA_V
 ClientSampleId :

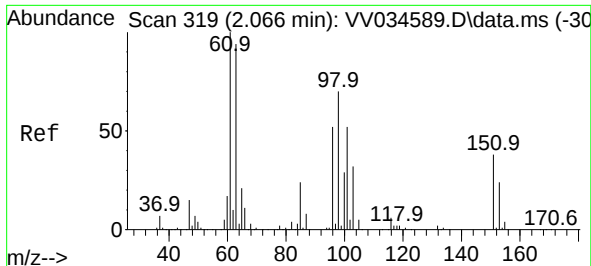
Tgt Ion: 62 Resp: 19170
 Ion Ratio Lower Upper
 62 100
 64 38.3 23.4 43.6



#8
 Chloroethane
 Concen: 4.522 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.264 min
 Lab File: VV034612.D
 Acq: 14 Mar 2024 18:38

Tgt Ion: 64 Resp: 7792
 Ion Ratio Lower Upper
 64 100
 66 33.2 22.0 40.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.733 ug/L

RT: 2.060 min Scan# 319

Delta R.T. -0.006 min

Lab File: VV034612.D

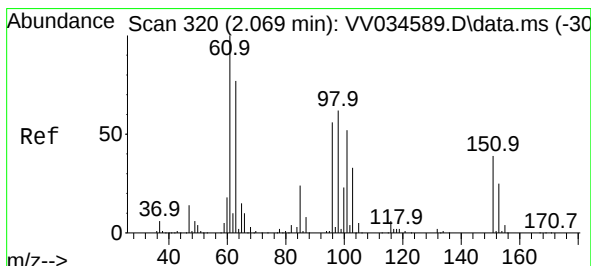
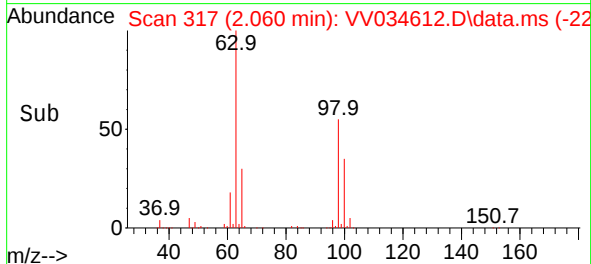
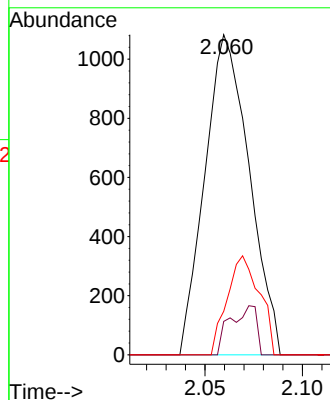
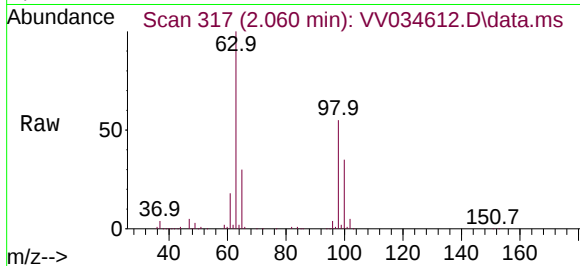
Acq: 14 Mar 2024 18:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:101	Resp:	1714
Ion Ratio	Lower	Upper
101	100	
85	3.9	37.4 56.0#
151	0.0	61.4 92.2#



#12

1,1-Dichloroethene

Concen: 5.008 ug/L

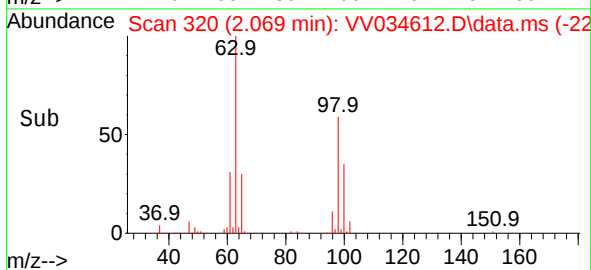
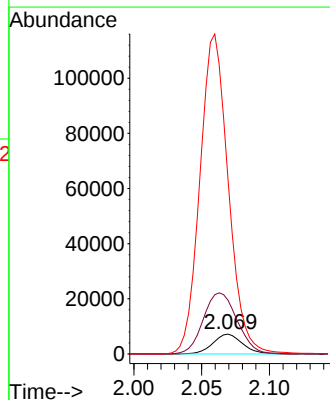
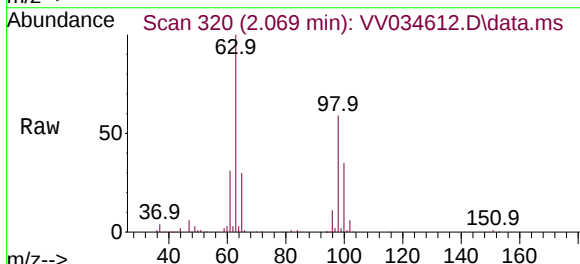
RT: 2.069 min Scan# 320

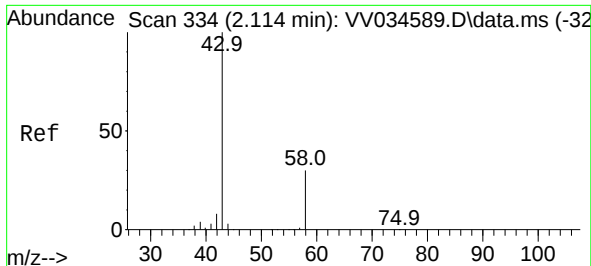
Delta R.T. 0.000 min

Lab File: VV034612.D

Acq: 14 Mar 2024 18:38

Tgt Ion: 96	Resp:	10865
Ion Ratio	Lower	Upper
96	100	
61	271.5	128.9 239.3#
63	888.4	98.0 182.0#





#13

Acetone

Concen: 252.849 ug/L

RT: 2.127 min Scan# 341

Delta R.T. 0.013 min

Lab File: VV034612.D

Acq: 14 Mar 2024 18:38

Instrument :

MSVOA_V

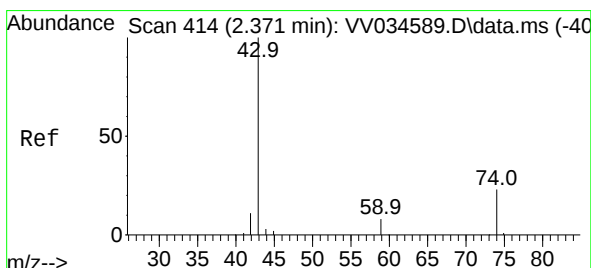
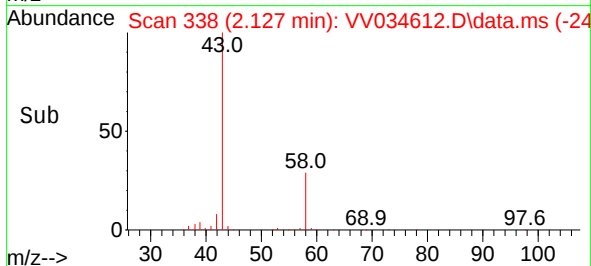
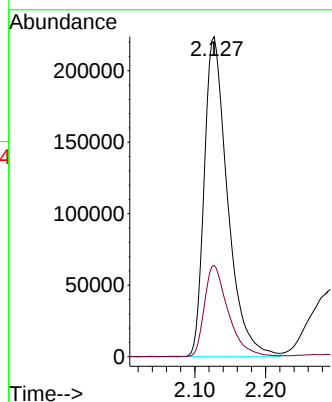
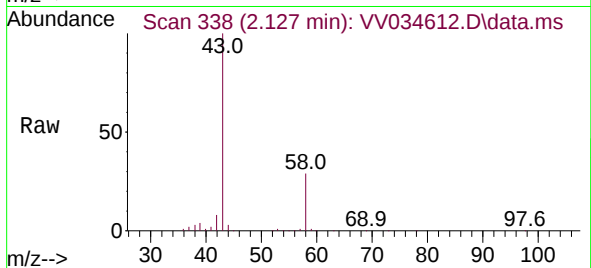
ClientSampleId :

Tgt Ion: 43 Resp: 510558

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.2



#15

Methyl Acetate

Concen: 147.294 ug/L

RT: 2.304 min Scan# 393

Delta R.T. -0.067 min

Lab File: VV034612.D

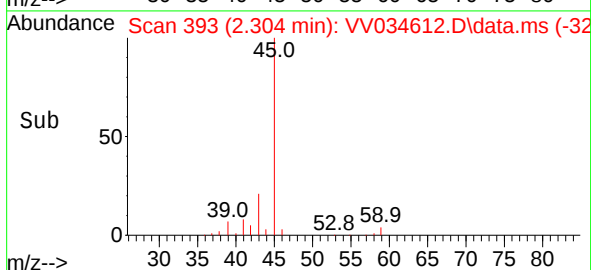
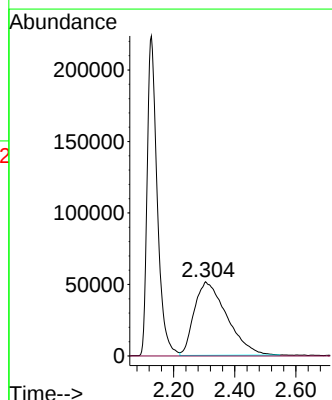
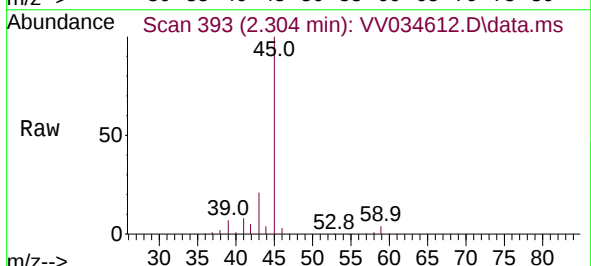
Acq: 14 Mar 2024 18:38

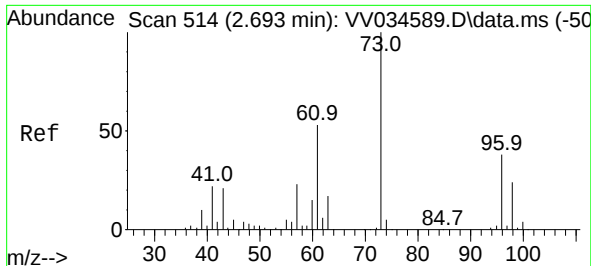
Tgt Ion: 43 Resp: 380498

Ion Ratio Lower Upper

43 100

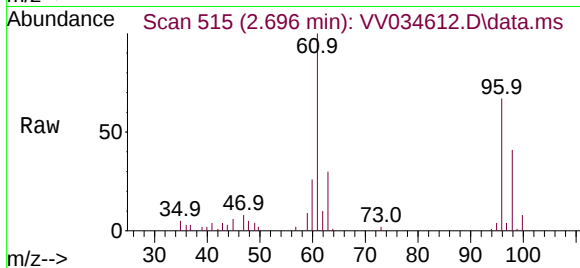
74 0.0 17.8 26.8#





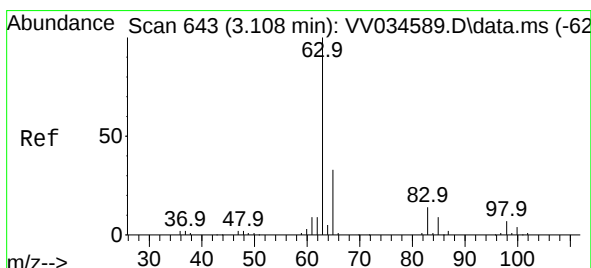
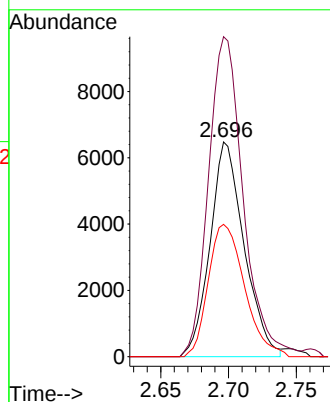
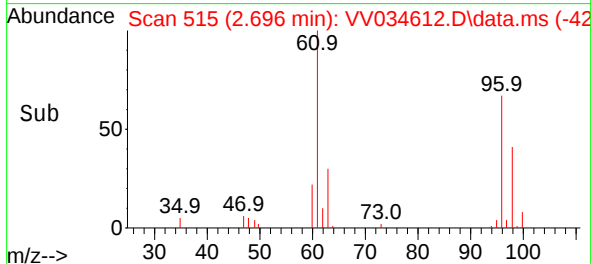
#17
trans-1,2-Dichloroethene
Concen: 5.383 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 11303

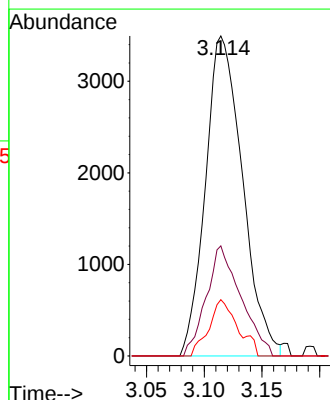
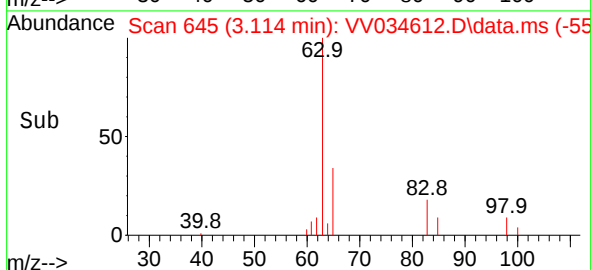
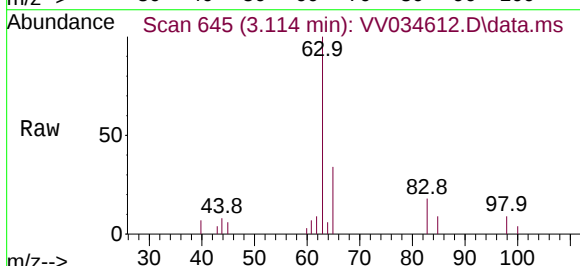
Ion	Ratio	Lower	Upper
96	100		
61	149.1	98.8	183.4
98	61.7	46.1	85.5

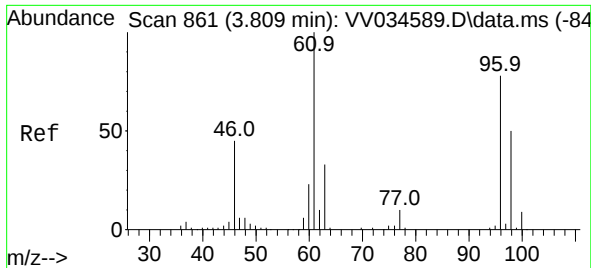


#19
1,1-Dichloroethane
Concen: 1.892 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.007 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Tgt Ion: 63 Resp: 7784

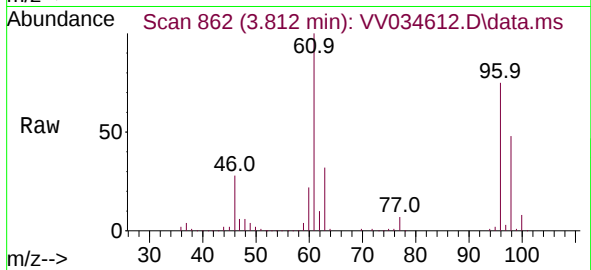
Ion	Ratio	Lower	Upper
63	100		
65	34.4	22.1	41.1
83	17.6	9.9	18.3



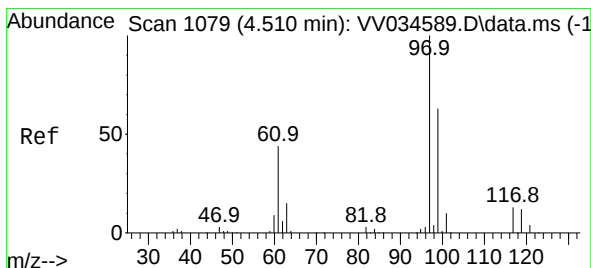
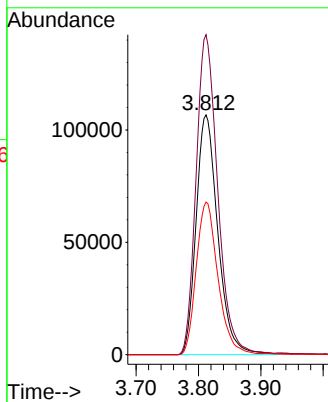
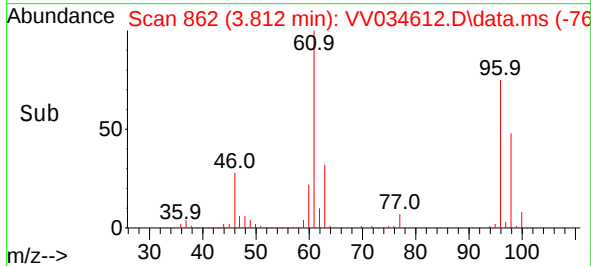


#20
cis-1,2-Dichloroethene
Concen: 113.470 ug/L
RT: 3.812 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Instrument :
MSVOA_V
ClientSampleId :

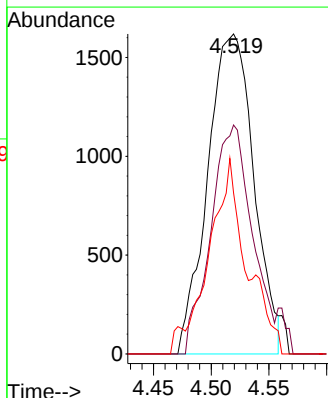
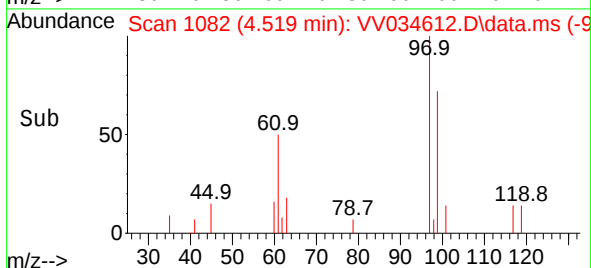
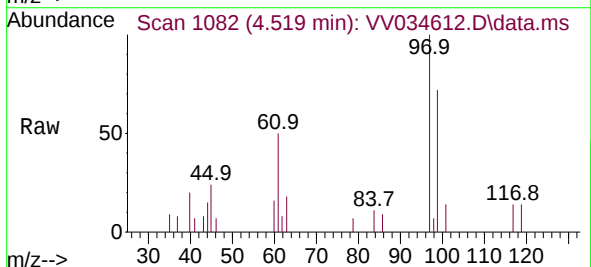


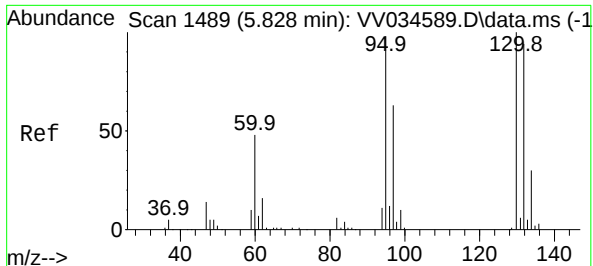
Tgt Ion: 96 Resp: 258524
Ion Ratio Lower Upper
96 100
61 133.5 96.0 178.4
98 63.7 46.0 85.4



#30
1,1,1-Trichloroethane
Concen: 1.190 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.010 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Tgt Ion: 97 Resp: 4508
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 32.3 36.0 54.0#





#34

Trichloroethene

Concen: 125.756 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034612.D

Acq: 14 Mar 2024 18:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 293145

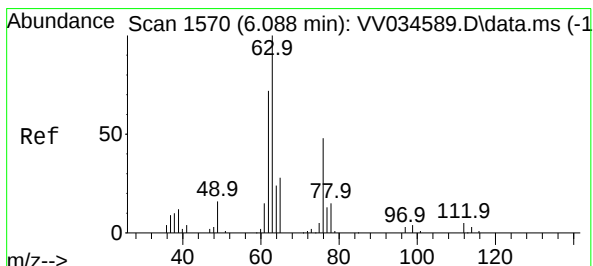
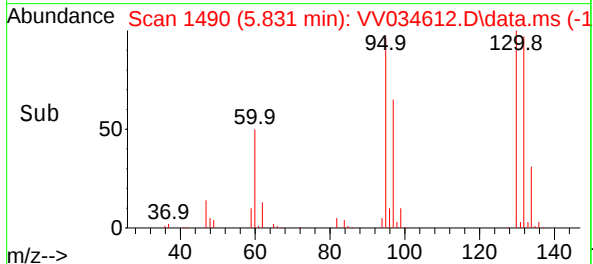
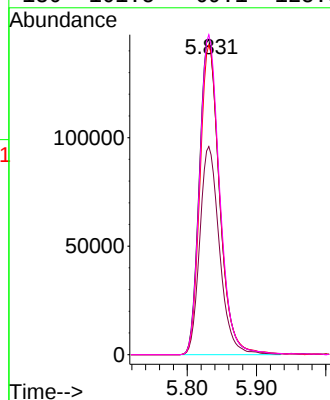
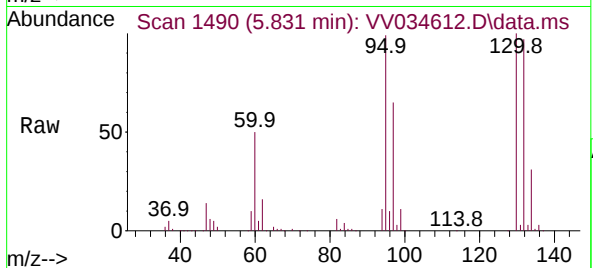
Ion Ratio Lower Upper

95 100

97 66.0 44.7 83.1

132 98.2 65.3 121.3

130 101.5 69.1 128.3



#37

1,2-Dichloropropane

Concen: 4.806 ug/L

RT: 6.098 min Scan# 1573

Delta R.T. 0.010 min

Lab File: VV034612.D

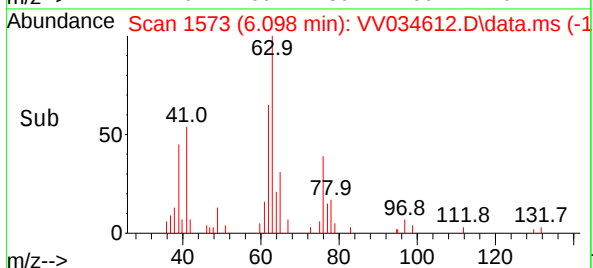
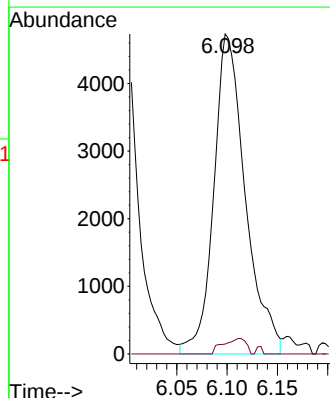
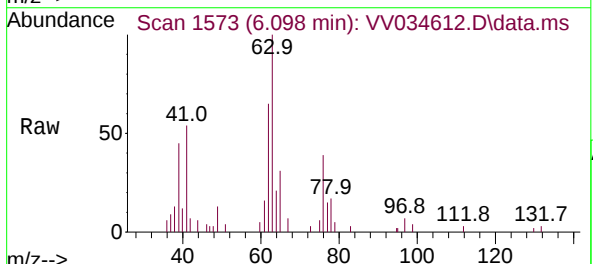
Acq: 14 Mar 2024 18:38

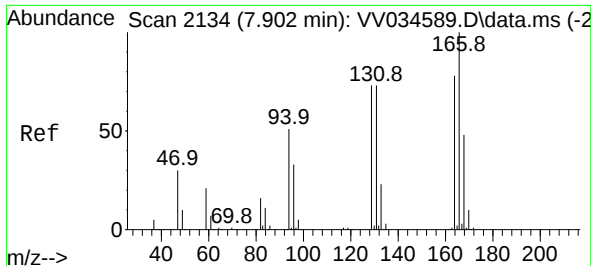
Tgt Ion: 63 Resp: 10319

Ion Ratio Lower Upper

63 100

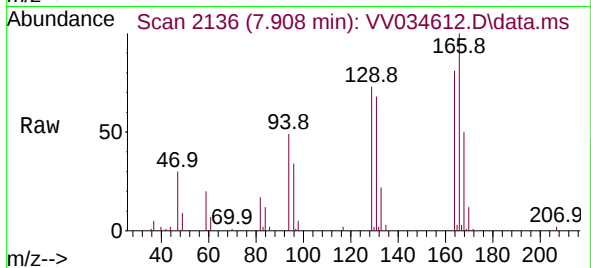
112 2.5 3.5 5.3#



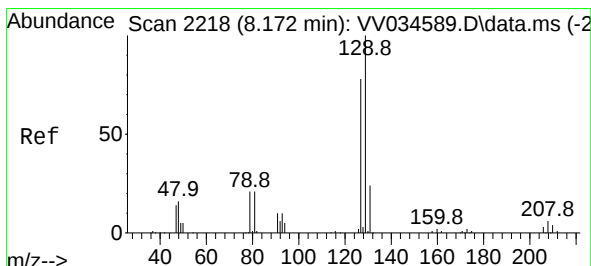
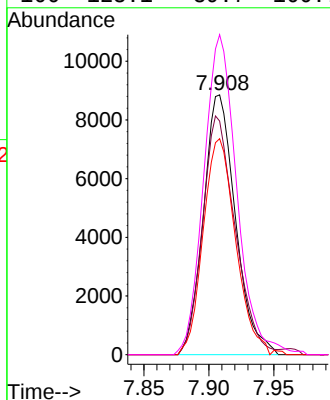
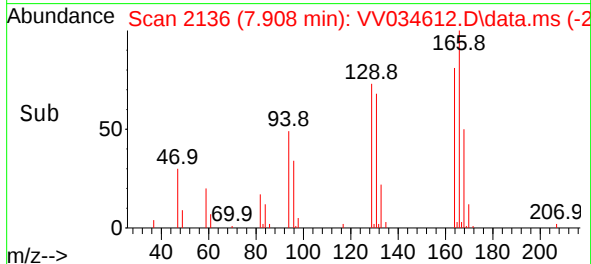


#46
Tetrachloroethene
Concen: 8.781 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.007 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 15223
Ion Ratio Lower Upper
164 100
129 89.9 65.7 121.9
131 83.1 62.2 115.6
166 123.1 89.7 166.7



#49
Dibromochloromethane
Concen: 6.132 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.267 min
Lab File: VV034612.D
Acq: 14 Mar 2024 18:38

Tgt Ion:129 Resp: 13406
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#

