

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037638.D
 Acq On : 28 Sep 2024 03:06
 Operator : SY/MD
 Sample : P4185-21
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 04:24:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 00:49:19 2024
 Response via : Initial Calibration

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

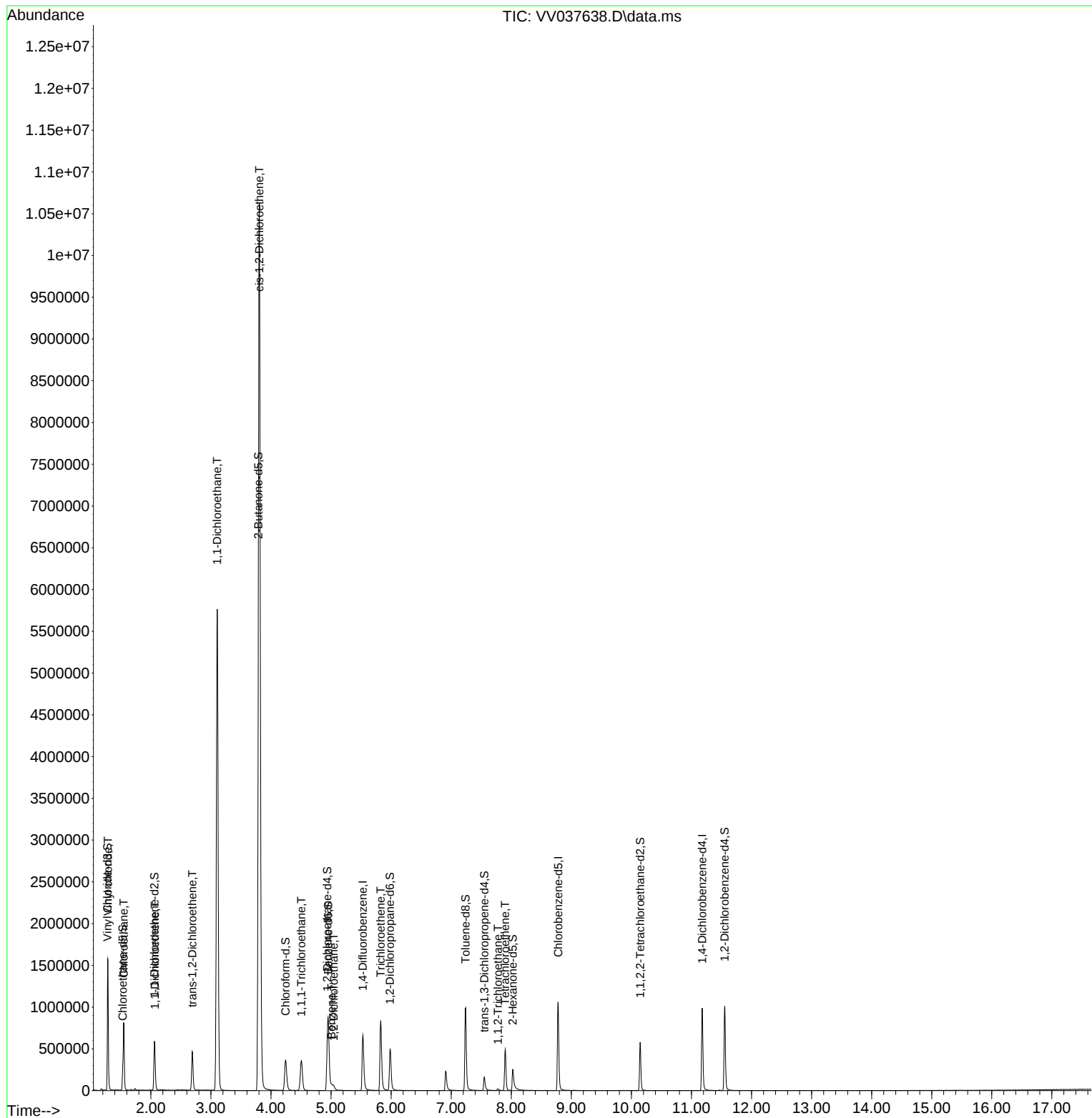
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	592177	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	581297	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	260415	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	190414	36.630	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.260%		
7) Chloroethane-d5	1.532	69	161691	40.072	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.140%		
11) 1,1-Dichloroethene-d2	2.060	65	84167	38.754	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.500%		
21) 2-Butanone-d5	3.789	46	167117	90.257	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.260%		
24) Chloroform-d	4.243	84	388717	42.030	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.060%		
26) 1,2-Dichloroethane-d4	4.937	65	238683	44.091	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.180%		
32) Benzene-d6	4.953	84	772241	42.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.900%		
36) 1,2-Dichloropropane-d6	5.982	67	252437	43.582	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.160%		
41) Toluene-d8	7.239	98	681523	41.319	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.640%		
43) trans-1,3-Dichloroprop...	7.551	79	100715	37.431	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.860%		
47) 2-Hexanone-d5	8.024	63	87494	71.536	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	71.540%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	279560	41.539	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.080%		
66) 1,2-Dichlorobenzene-d4	11.554	152	260294	47.434	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	879757	167.669	ug/L	99
8) Chloroethane	1.548	64	451224	139.524	ug/L	99
12) 1,1-Dichloroethene	2.069	96	43538	11.043	ug/L #	1
17) trans-1,2-Dichloroethene	2.690	96	167428	40.144	ug/L	99
19) 1,1-Dichloroethane	3.105	63	5655105	707.690	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	5871081	1257.935	ug/L	99
27) 1,2-Dichloroethane	5.043	62	45093	7.720	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	301338	42.090	ug/L	99
33) Benzene	5.008	78	67703	3.862	ug/L	100
34) Trichloroethene	5.828	95	301863	64.656	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	7281	1.675	ug/L	98
46) Tetrachloroethene	7.899	164	109783	30.755	ug/L	95

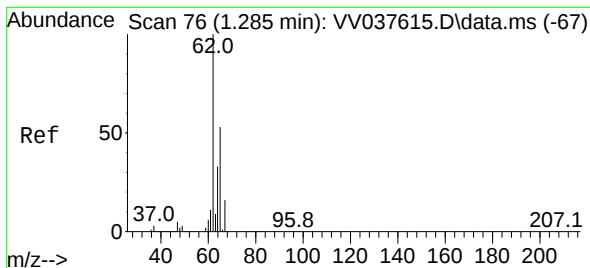
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 167.669 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

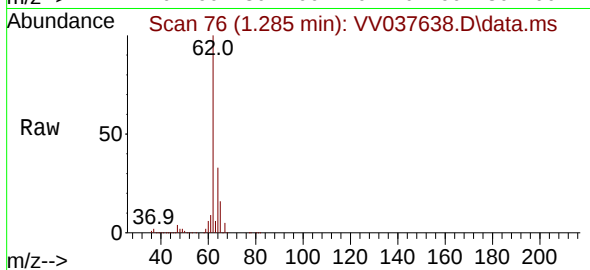
Lab File: VV037638.D

Acq: 28 Sep 2024 03:06

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MSVOA_V

ClientSampleId :

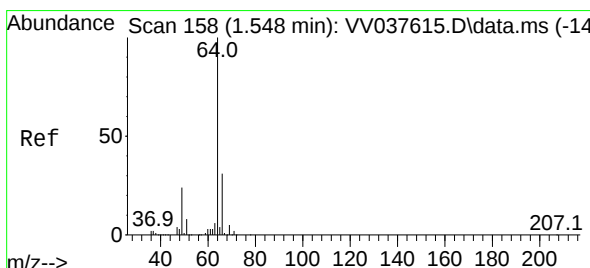
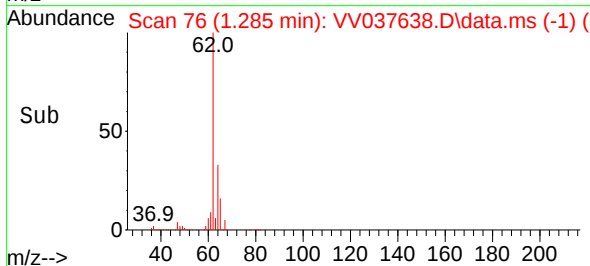
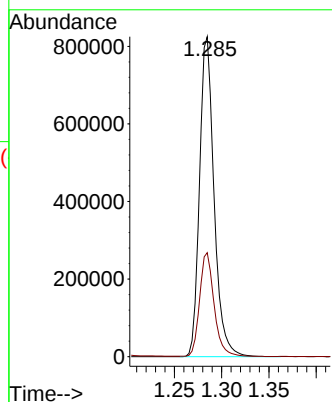


Tgt Ion: 62 Resp: 879757

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



#8

Chloroethane

Concen: 139.524 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037638.D

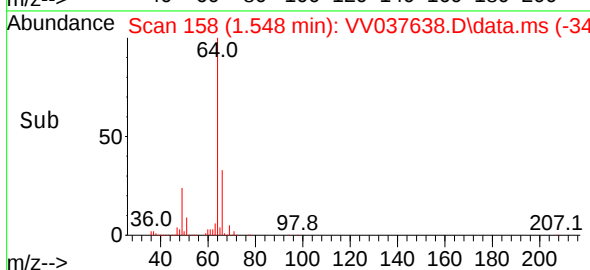
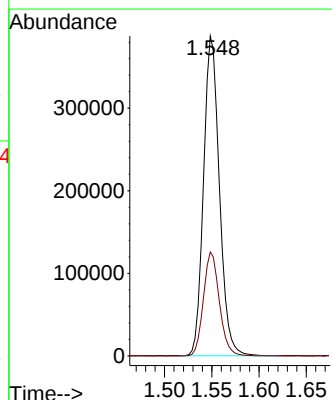
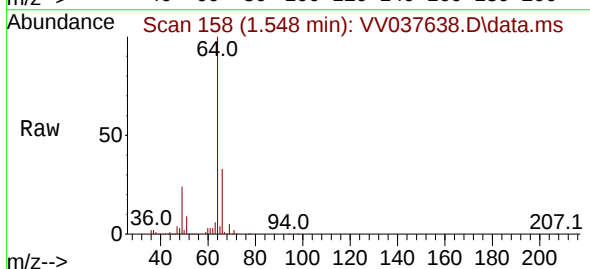
Acq: 28 Sep 2024 03:06

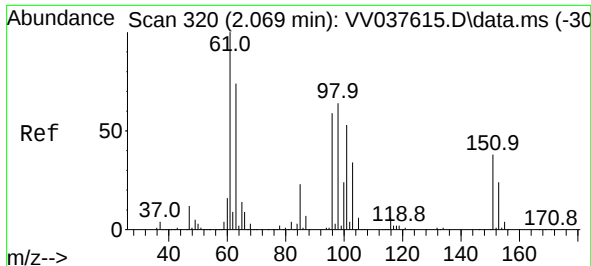
Tgt Ion: 64 Resp: 451224

Ion Ratio Lower Upper

64 100

66 32.5 22.2 41.2





#12

1,1-Dichloroethene

Concen: 11.043 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

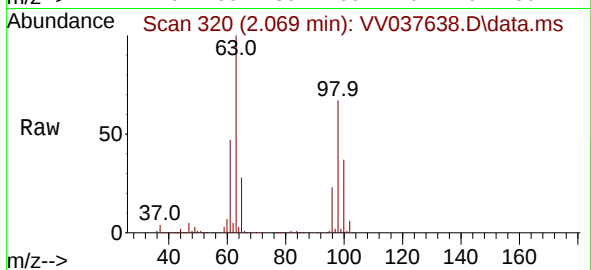
Lab File: VV037638.D

Acq: 28 Sep 2024 03:06

Instrument :

MSVOA_V

ClientSampleId :



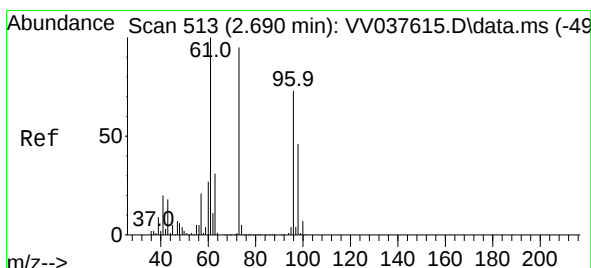
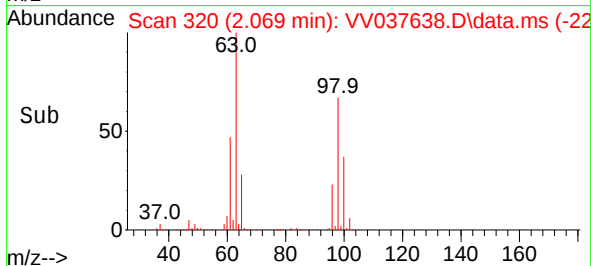
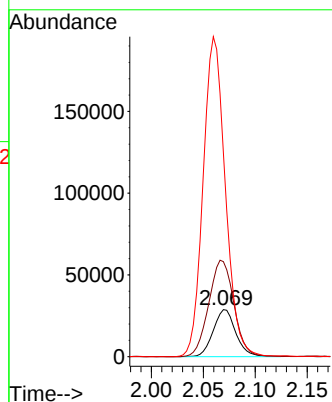
Tgt Ion: 96 Resp: 43538

Ion Ratio Lower Upper

96 100

61 202.1 122.6 227.6

63 432.9 118.0 219.2#



#17

trans-1,2-Dichloroethene

Concen: 40.144 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037638.D

Acq: 28 Sep 2024 03:06

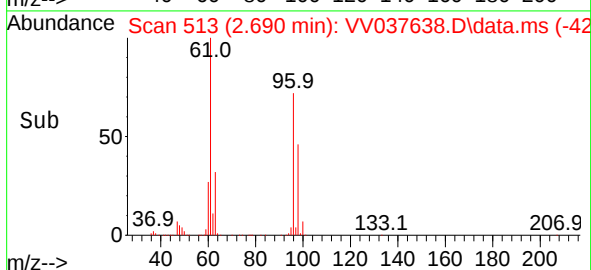
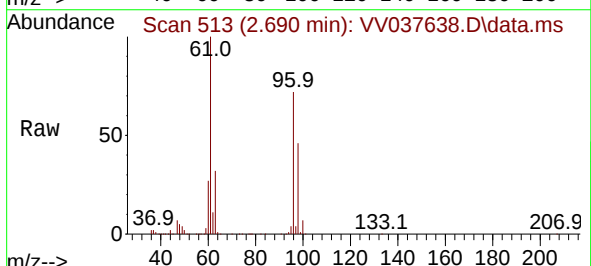
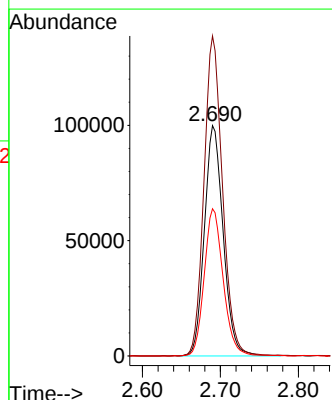
Tgt Ion: 96 Resp: 167428

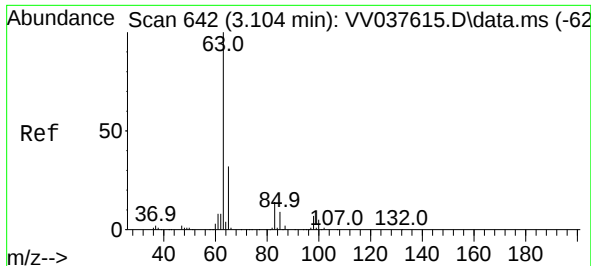
Ion Ratio Lower Upper

96 100

61 138.9 97.3 180.7

98 63.9 43.9 81.5

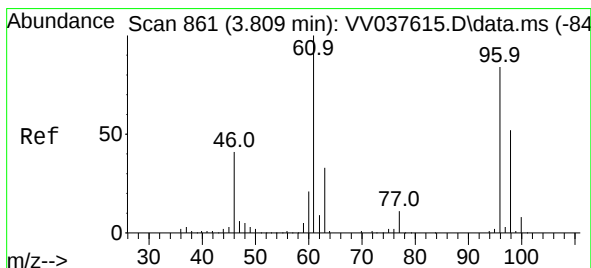
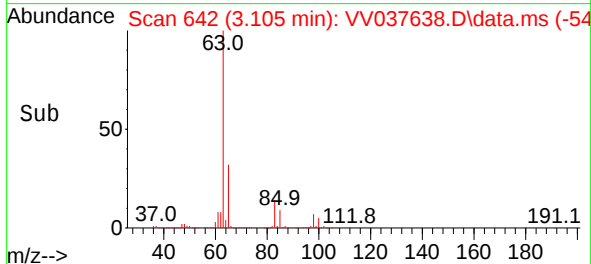
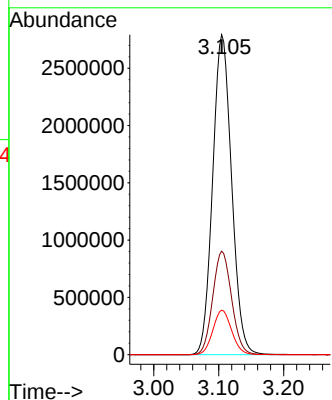
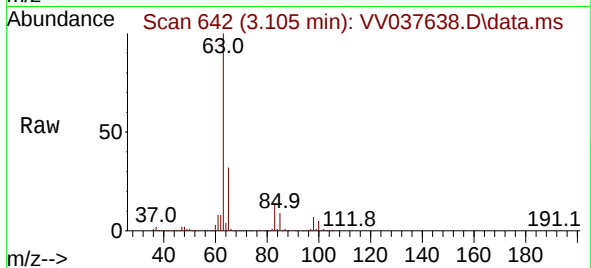




#19
1,1-Dichloroethane
Concen: 707.690 ug/L
RT: 3.105 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06

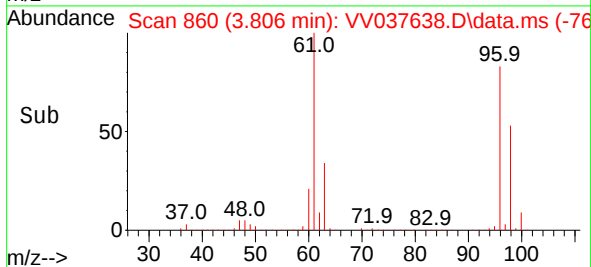
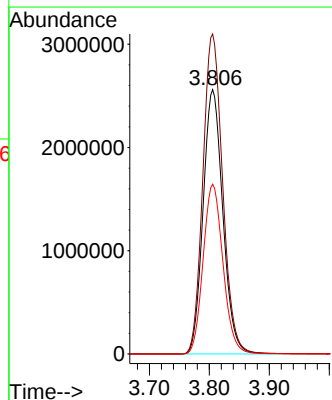
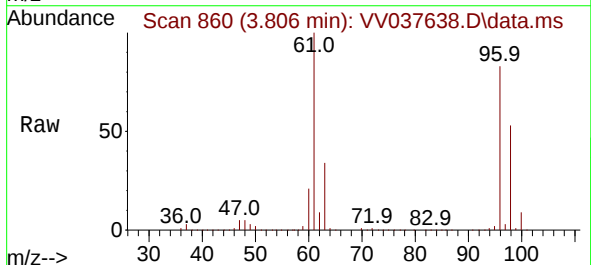
Instrument :
MSVOA_V
ClientSampleId :

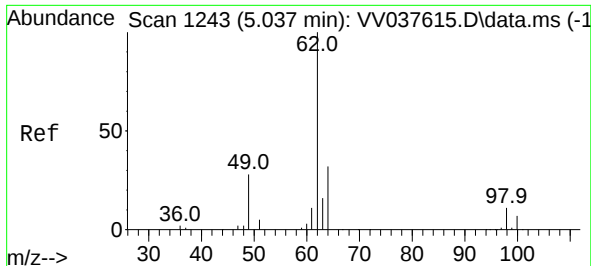
Tgt Ion: 63 Resp: 5655105
Ion Ratio Lower Upper
63 100
65 32.4 22.4 41.6
83 13.9 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 1257.935 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06

Tgt Ion: 96 Resp: 5871081
Ion Ratio Lower Upper
96 100
61 121.1 85.0 157.8
98 64.2 44.2 82.0

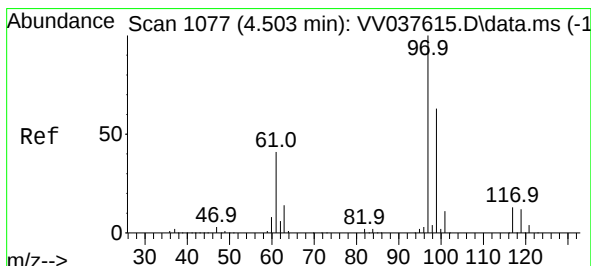
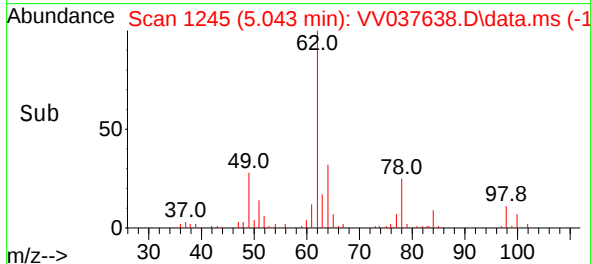
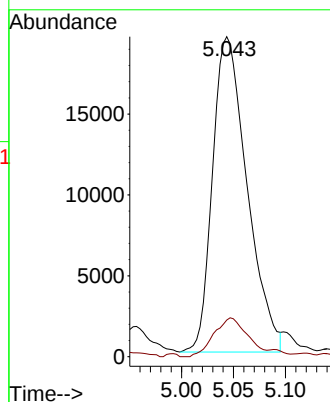
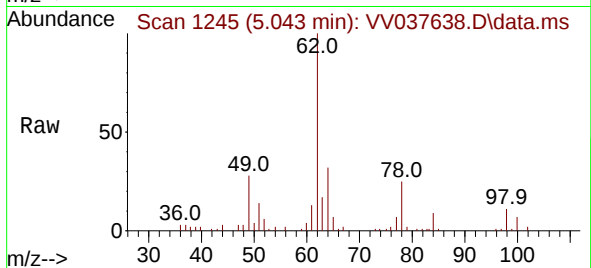




#27
1,2-Dichloroethane
Concen: 7.720 ug/L
RT: 5.043 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06

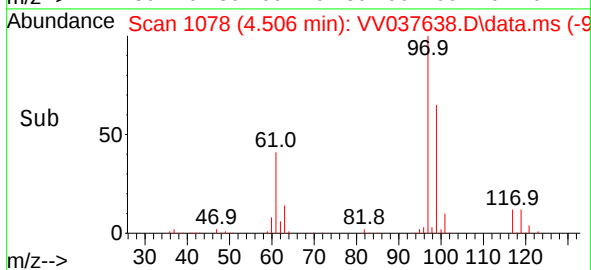
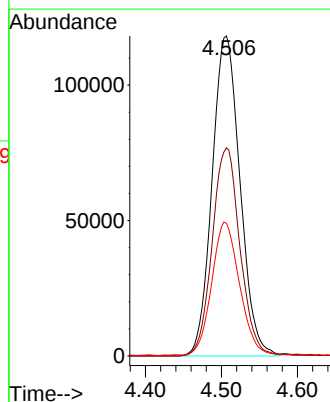
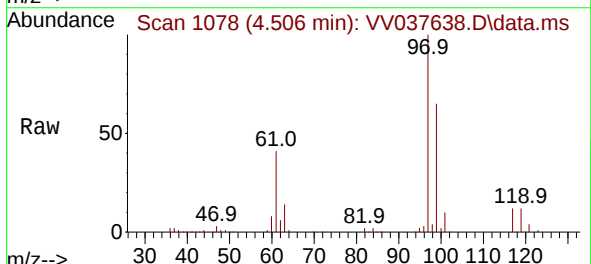
Instrument :
MSVOA_V
ClientSampleId :

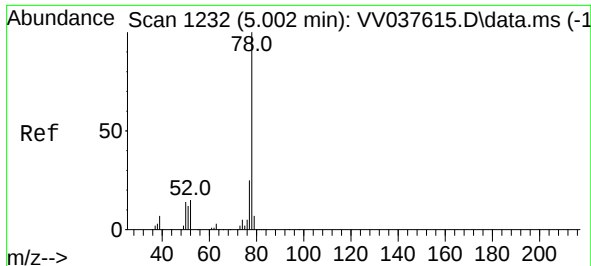
Tgt Ion: 62 Resp: 45093
Ion Ratio Lower Upper
62 100
98 11.5 8.4 12.6



#30
1,1,1-Trichloroethane
Concen: 42.090 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06

Tgt Ion: 97 Resp: 301338
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 41.3 33.6 50.4





#33

Benzene

Concen: 3.862 ug/L

RT: 5.008 min Scan# 1234

Delta R.T. 0.007 min

Lab File: VV037638.D

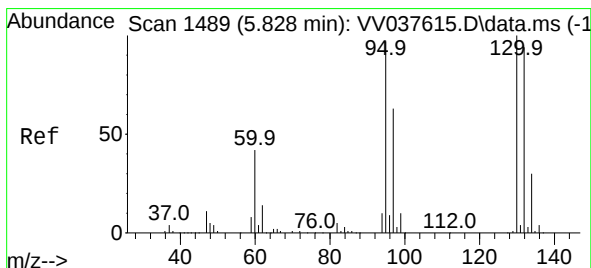
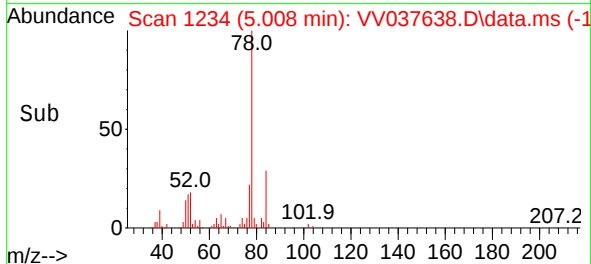
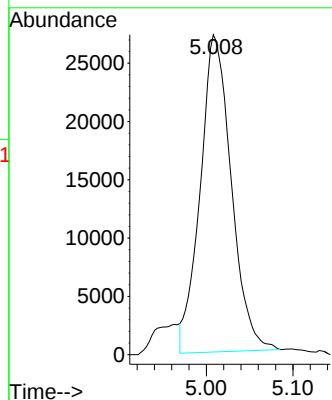
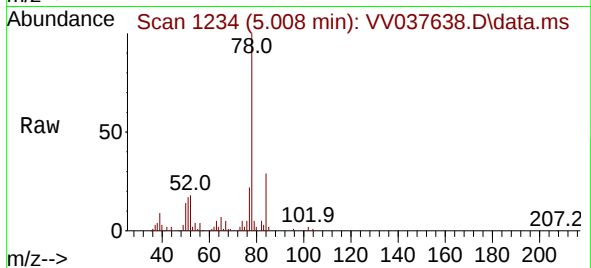
Acq: 28 Sep 2024 03:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 67703



#34

Trichloroethene

Concen: 64.656 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV037638.D

Acq: 28 Sep 2024 03:06

Tgt Ion: 95 Resp: 301863

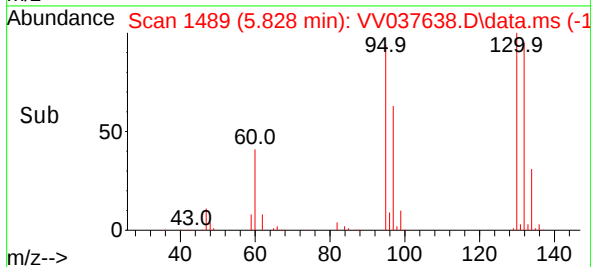
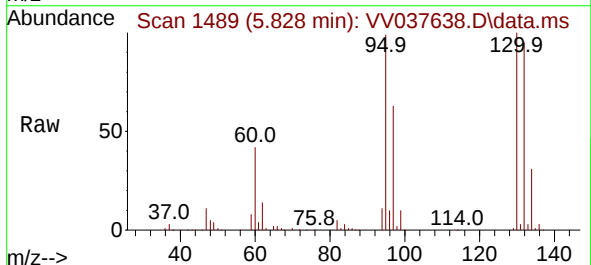
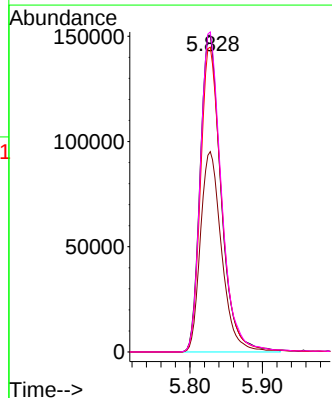
Ion Ratio Lower Upper

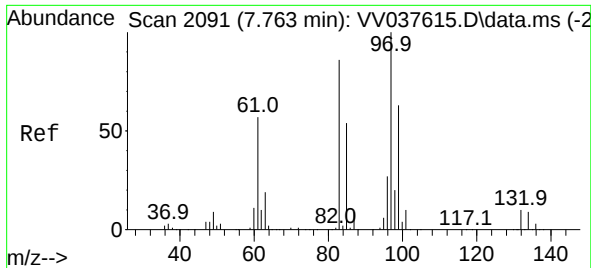
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97 63.3 46.3 85.9

132 96.2 68.6 127.4

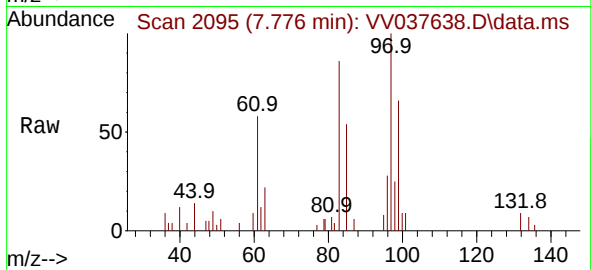
130 101.0 70.9 131.7



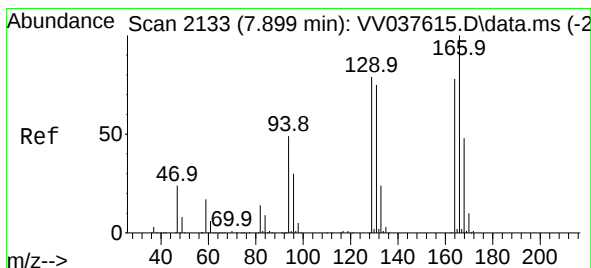
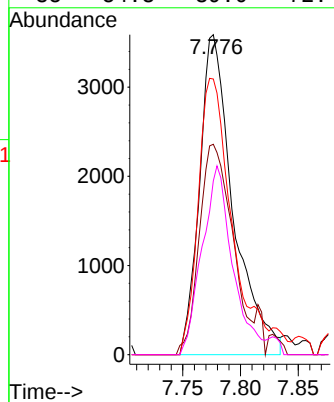
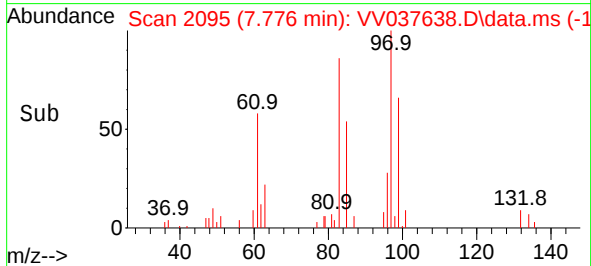


#45
1,1,2-Trichloroethane
Concen: 1.675 ug/L
RT: 7.776 min Scan# 2091
Delta R.T. 0.013 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06

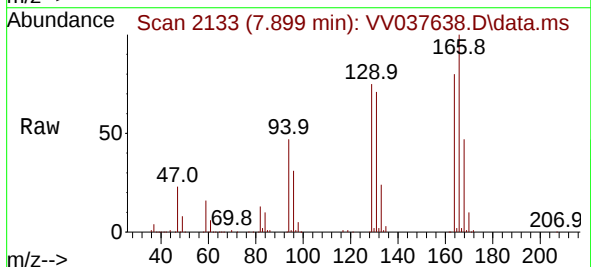
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	97	Resp:	7281
Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.1	81.9
83	86.2	59.3	110.1
85	54.3	39.0	72.4



#46
Tetrachloroethene
Concen: 30.755 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV037638.D
Acq: 28 Sep 2024 03:06



Tgt Ion:	164	Resp:	109783
Ion	Ratio	Lower	Upper
164	100		
129	92.9	68.2	126.6
131	89.1	66.1	122.8
166	124.6	91.1	169.1

