

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037637.D
 Acq On : 28 Sep 2024 02:44
 Operator : SY/MD
 Sample : P4185-20
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 04:23:48 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)

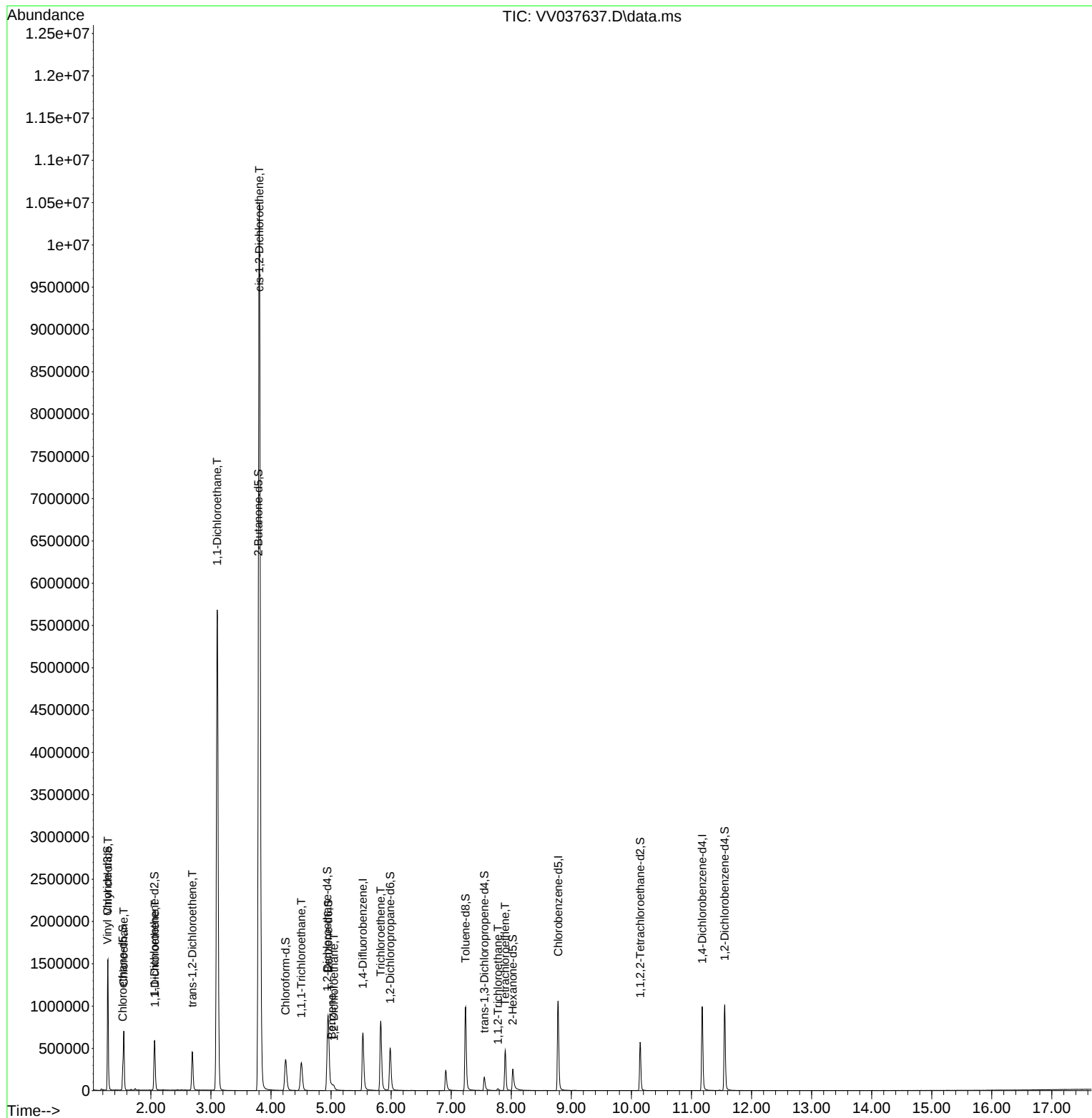
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	604991	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	595518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	266032	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	193849	36.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.000%
7) Chloroethane-d5	1.532	69	162593	39.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.880%
11) 1,1-Dichloroethene-d2	2.059	65	88592	39.927	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.860%
21) 2-Butanone-d5	3.789	46	167971	88.797	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.800%
24) Chloroform-d	4.243	84	395749	41.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.760%
26) 1,2-Dichloroethane-d4	4.937	65	235990	42.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.340%
32) Benzene-d6	4.953	84	778805	41.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.580%
36) 1,2-Dichloropropane-d6	5.985	67	254054	42.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.620%
41) Toluene-d8	7.239	98	681874	40.353	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.700%
43) trans-1,3-Dichloroprop...	7.551	79	100315	36.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.780%
47) 2-Hexanone-d5	8.024	63	87997	70.229	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.230%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	281762	40.866	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.740%
66) 1,2-Dichlorobenzene-d4	11.554	152	267280	47.679	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.360%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	850631	158.684	ug/L	100
8) Chloroethane	1.548	64	383840	116.174	ug/L	99
12) 1,1-Dichloroethene	2.069	96	43060	10.691	ug/L #	1
17) trans-1,2-Dichloroethene	2.690	96	167052	39.205	ug/L	97
19) 1,1-Dichloroethane	3.104	63	5608351	686.974	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	5799753	1216.332	ug/L	99
27) 1,2-Dichloroethane	5.047	62	48165	8.072	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	273706	37.317	ug/L	100
33) Benzene	5.011	78	69154	3.850	ug/L	100
34) Trichloroethene	5.828	95	302115	63.164	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	7622	1.712	ug/L	94
46) Tetrachloroethene	7.898	164	105567	28.868	ug/L	98

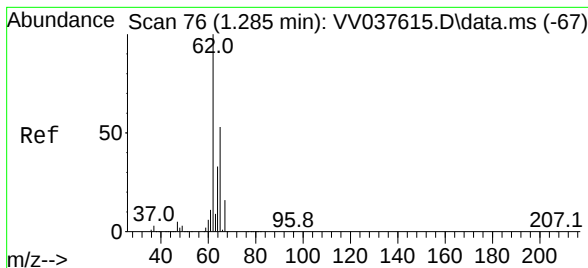
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 28 00:49:19 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 158.684 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037637.D

Acq: 28 Sep 2024 02:44

Instrument :

MSVOA_V

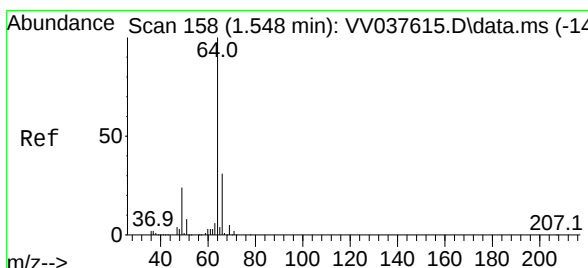
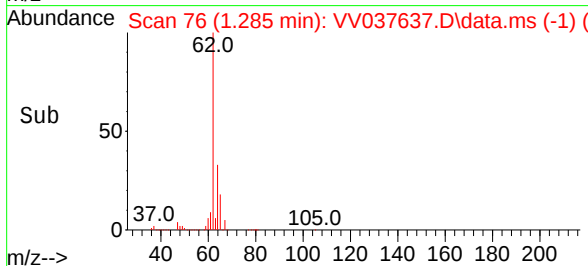
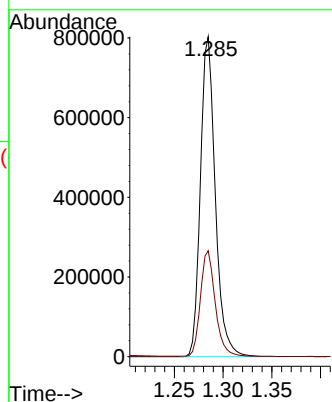
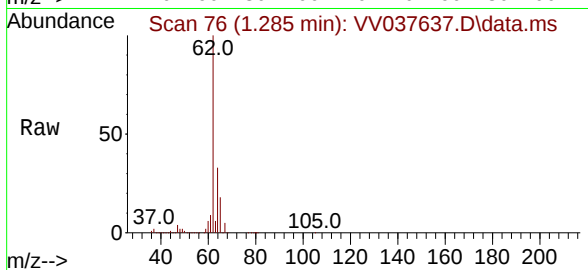
ClientSampleId :

Tgt Ion: 62 Resp: 850631

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#8

Chloroethane

Concen: 116.174 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037637.D

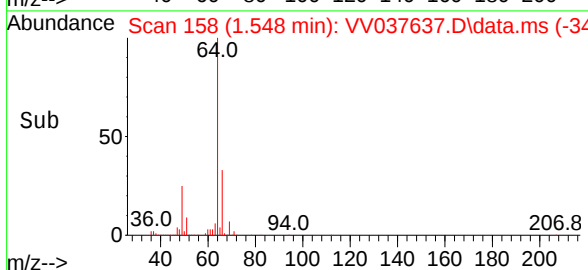
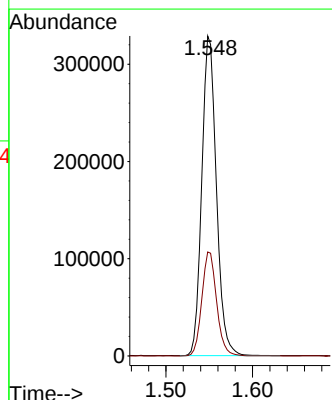
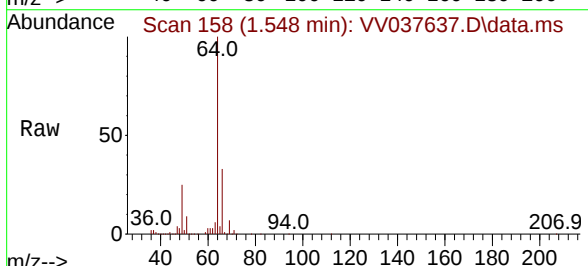
Acq: 28 Sep 2024 02:44

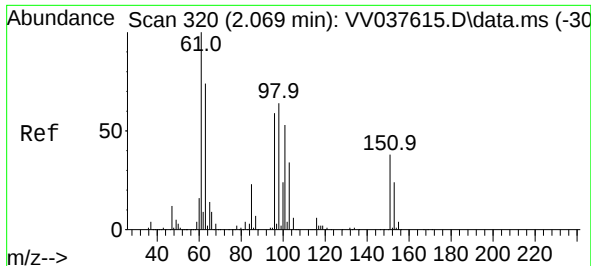
Tgt Ion: 64 Resp: 383840

Ion Ratio Lower Upper

64 100

66 32.5 22.2 41.2





#12

1,1-Dichloroethene

Concen: 10.691 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037637.D

Acq: 28 Sep 2024 02:44

Instrument :

MSVOA_V

ClientSampleId :

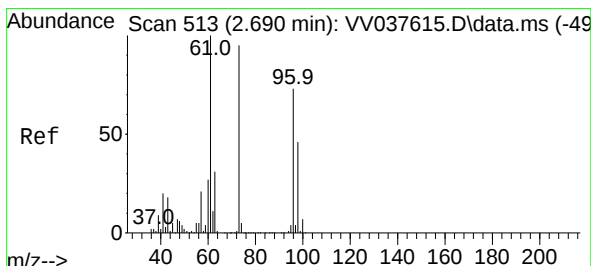
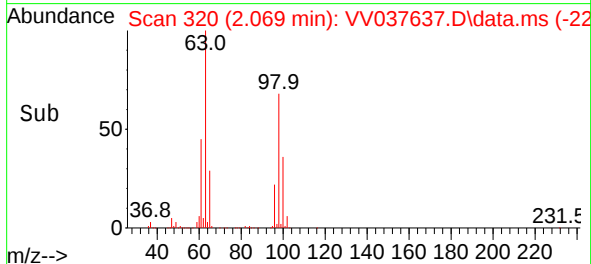
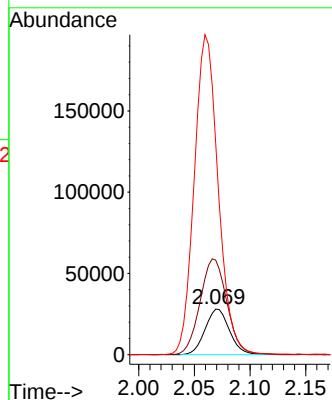
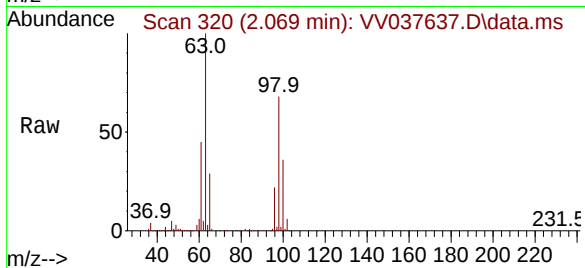
Tgt Ion: 96 Resp: 43060

Ion Ratio Lower Upper

96 100

61 207.1 122.6 227.6

63 462.7 118.0 219.2#



#17

trans-1,2-Dichloroethene

Concen: 39.205 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037637.D

Acq: 28 Sep 2024 02:44

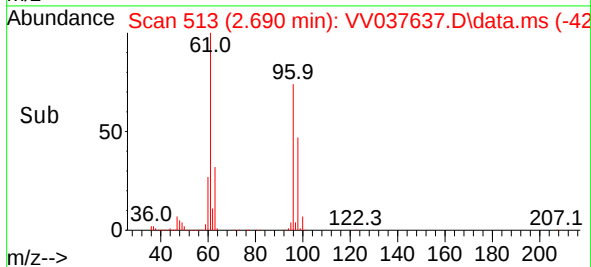
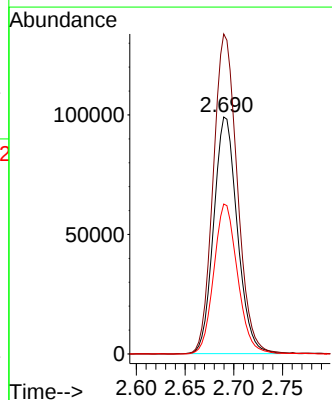
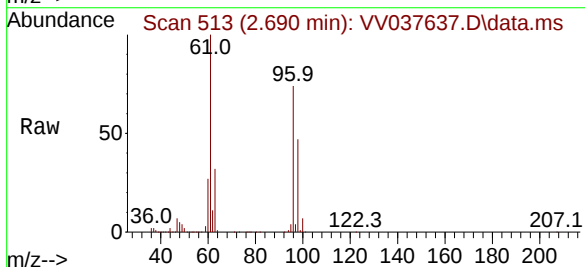
Tgt Ion: 96 Resp: 167052

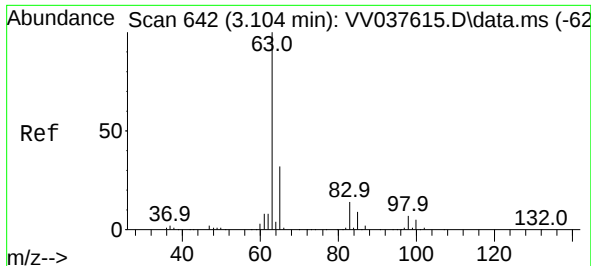
Ion Ratio Lower Upper

96 100

61 135.0 97.3 180.7

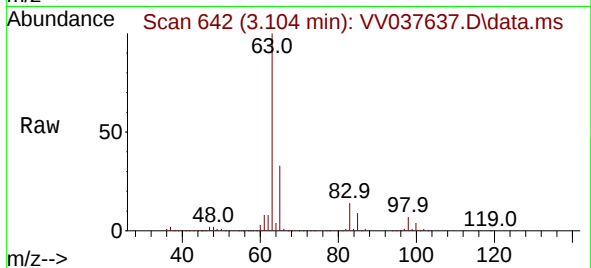
98 63.3 43.9 81.5



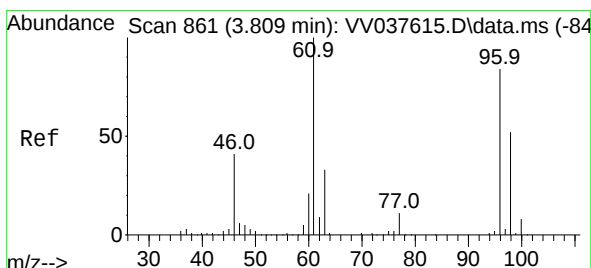
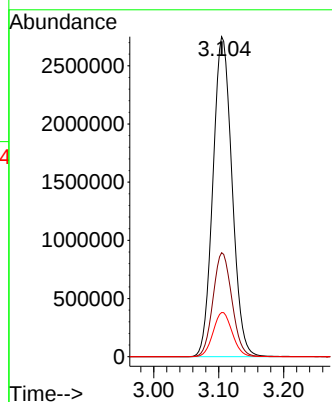
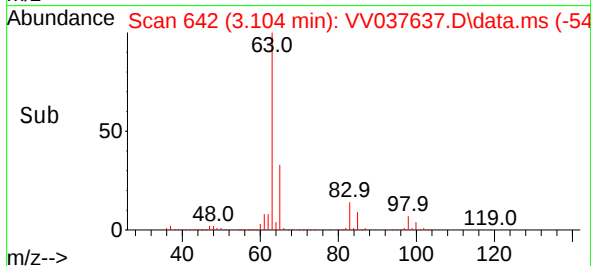


#19
1,1-Dichloroethane
Concen: 686.974 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

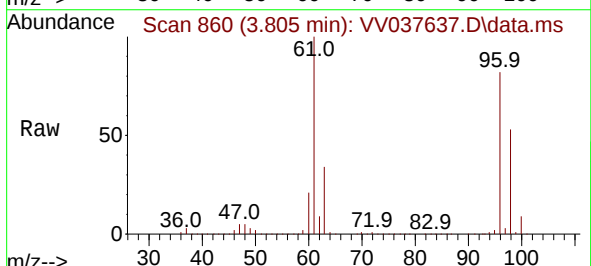
Instrument :
MSVOA_V
ClientSampleId :



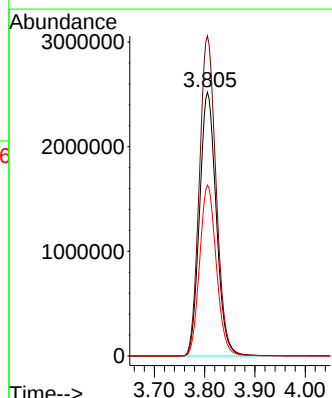
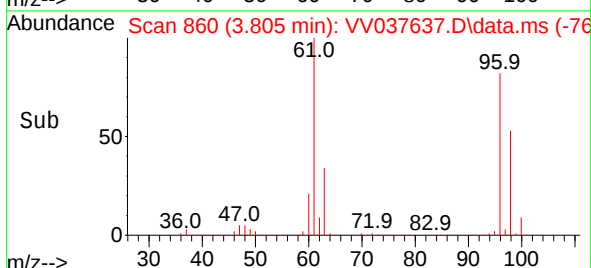
Tgt Ion: 63 Resp: 5608351
Ion Ratio Lower Upper
63 100
65 32.5 22.4 41.6
83 13.8 9.5 17.7

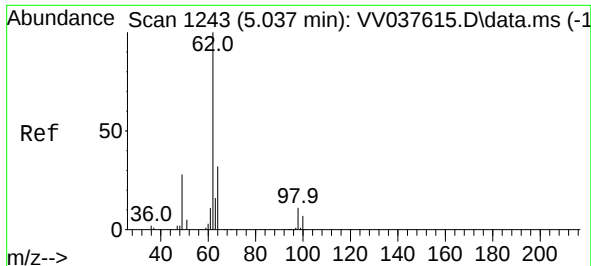


#20
cis-1,2-Dichloroethene
Concen: 1216.332 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44



Tgt Ion: 96 Resp: 5799753
Ion Ratio Lower Upper
96 100
61 121.4 85.0 157.8
98 64.8 44.2 82.0

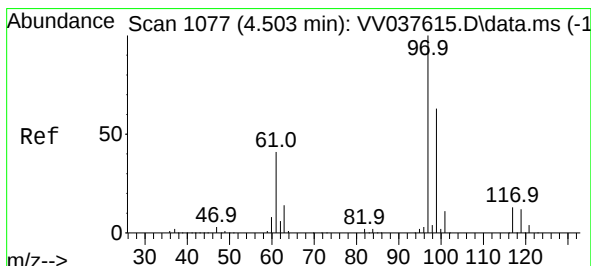
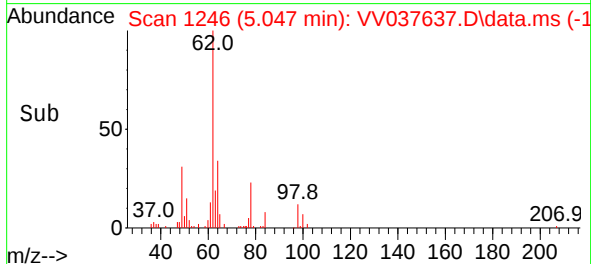
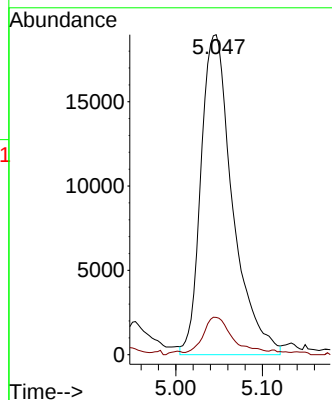
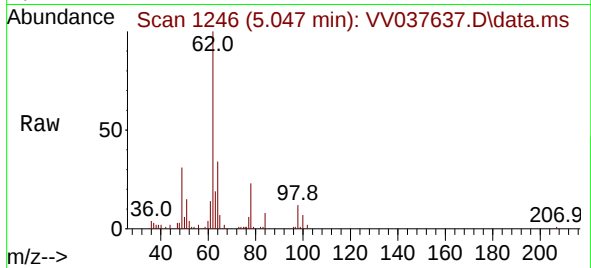




#27
1,2-Dichloroethane
Concen: 8.072 ug/L
RT: 5.047 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

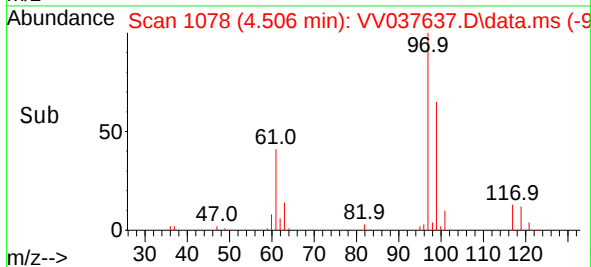
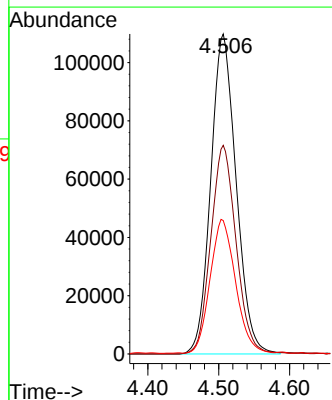
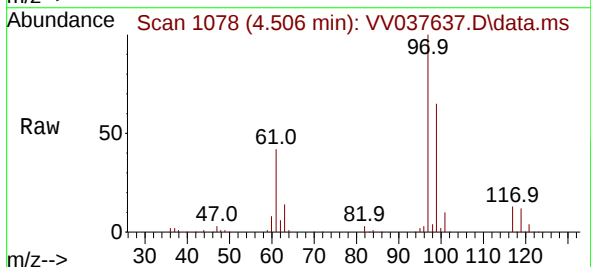
Instrument :
MSVOA_V
ClientSampleId :

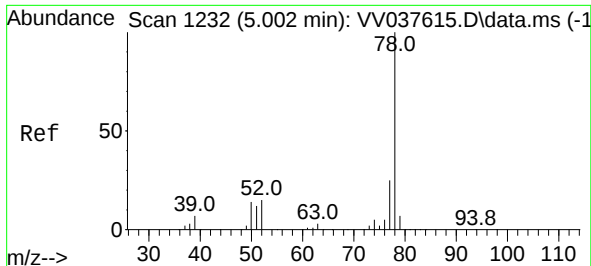
Tgt Ion: 62 Resp: 48165
Ion Ratio Lower Upper
62 100
98 11.6 8.4 12.6



#30
1,1,1-Trichloroethane
Concen: 37.317 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

Tgt Ion: 97 Resp: 273706
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 42.0 33.6 50.4

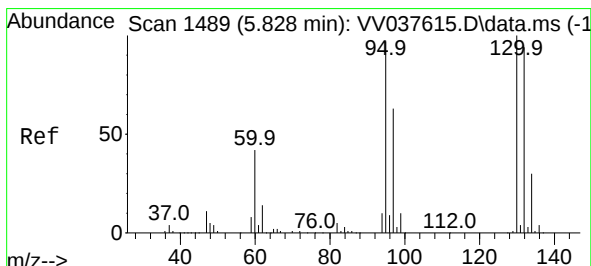
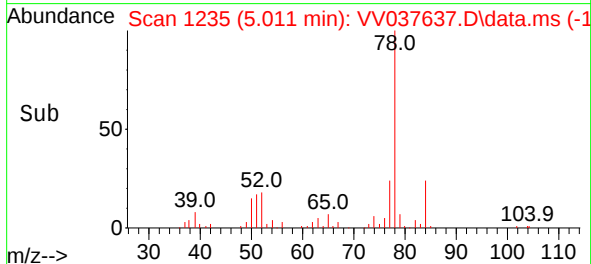
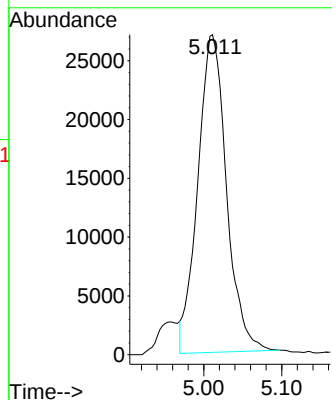
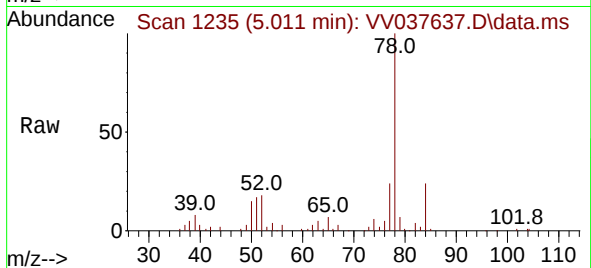




#33
Benzene
Concen: 3.850 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.010 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

Instrument :
MSVOA_V
ClientSampleId :

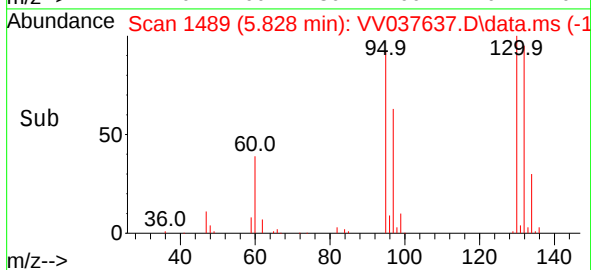
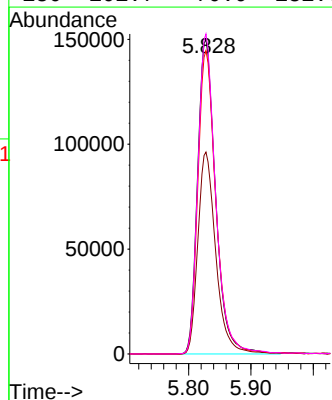
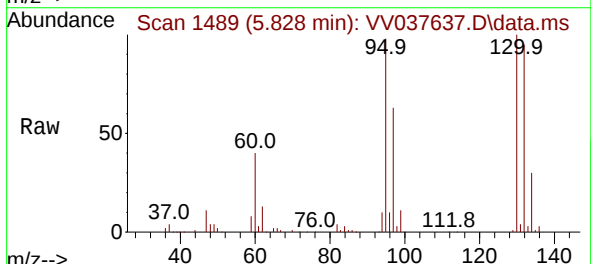
Tgt Ion: 78 Resp: 69154

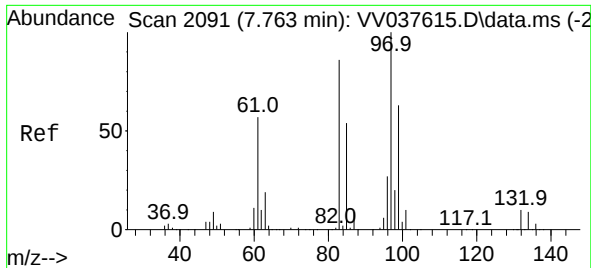


#34
Trichloroethene
Concen: 63.164 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

Tgt Ion: 95 Resp: 302115

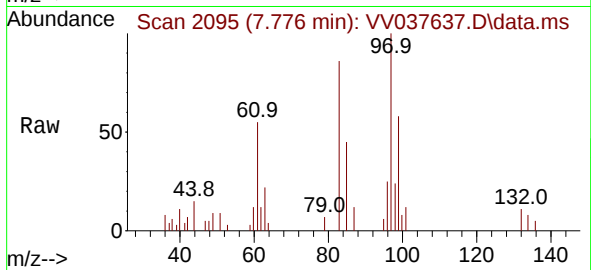
Ion	Ratio	Lower	Upper
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97	64.2	46.3	85.9
132	96.5	68.6	127.4
130	101.7	70.9	131.7



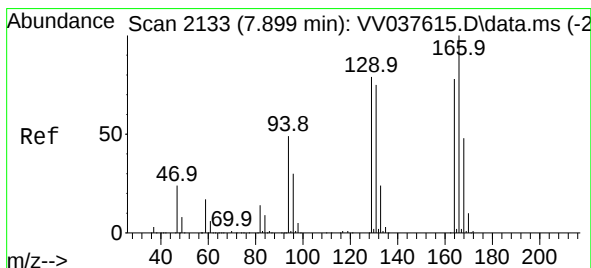
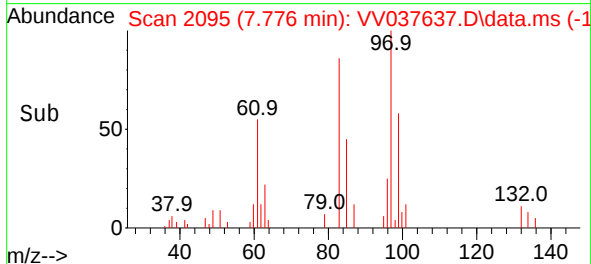
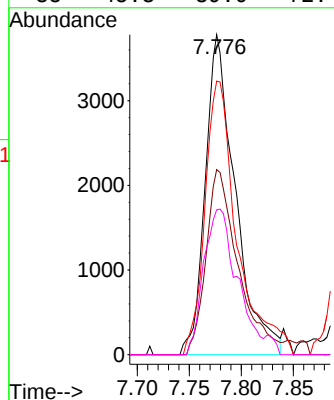


#45
1,1,2-Trichloroethane
Concen: 1.712 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.013 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

Instrument :
MSVOA_V
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Tgt Ion:	97	Resp:	7622
Ion	Ratio	Lower	Upper
97	100		
99	57.9	44.1	81.9
83	85.5	59.3	110.1
85	45.3	39.0	72.4



#46
Tetrachloroethene
Concen: 28.868 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV037637.D
Acq: 28 Sep 2024 02:44

Tgt Ion:	164	Resp:	105567
Ion	Ratio	Lower	Upper
164	100		
129	95.2	68.2	126.6
131	93.9	66.1	122.8
166	128.0	91.1	169.1

