

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037576.D
 Acq On : 27 Sep 2024 02:15
 Operator : SY/MD
 Sample : P4184-22
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 03:41:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

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

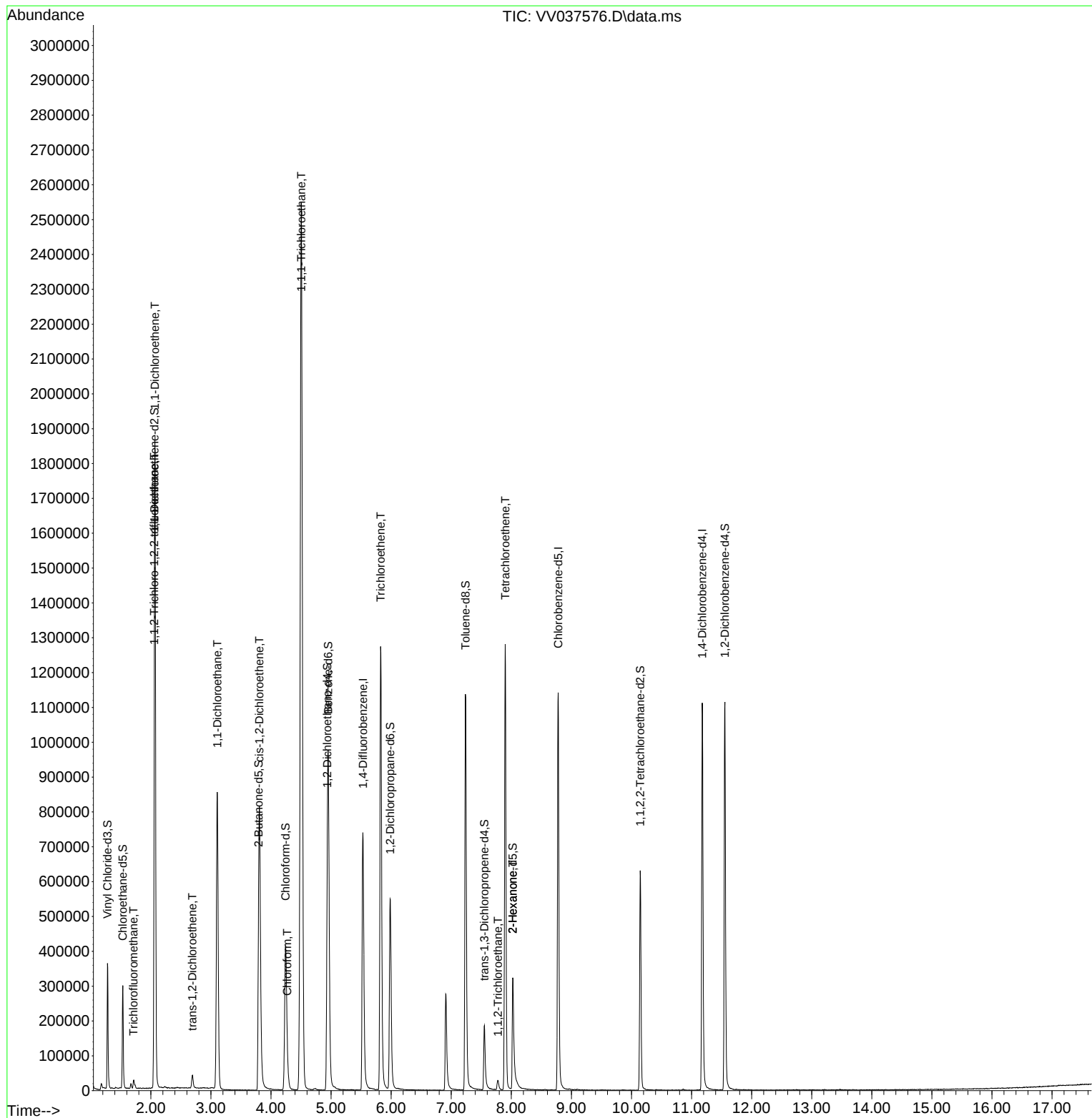
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	654387	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	626549	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	294377	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	239566	41.704	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.400%		
7) Chloroethane-d5	1.532	69	191091	42.856	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.720%		
11) 1,1-Dichloroethene-d2	2.059	65	103395	43.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.160%		
21) 2-Butanone-d5	3.793	46	181045	88.484	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.480%		
24) Chloroform-d	4.243	84	440846	43.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.280%		
26) 1,2-Dichloroethane-d4	4.937	65	262323	43.851	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.700%		
32) Benzene-d6	4.953	84	872601	44.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.020%		
36) 1,2-Dichloropropane-d6	5.982	67	278075	44.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.080%		
41) Toluene-d8	7.236	98	769241	43.269	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.540%		
43) trans-1,3-Dichloroprop...	7.551	79	116045	40.013	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.020%		
47) 2-Hexanone-d5	8.024	63	111200	84.352	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.350%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	313325	43.193	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.380%		
66) 1,2-Dichlorobenzene-d4	11.554	152	291090	46.926	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.860%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	1.712	101	13441	1.722	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	4012	0.860	ug/L #	22
12) 1,1-Dichloroethene	2.069	96	450047	103.303	ug/L #	70
17) trans-1,2-Dichloroethene	2.693	96	13108	2.844	ug/L	96
19) 1,1-Dichloroethane	3.104	63	846837	95.900	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	424765	82.358	ug/L	98
25) Chloroform	4.272	83	36720	4.016	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	2130642	276.106	ug/L	100
34) Trichloroethene	5.825	95	453761	90.171	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	10515	2.244	ug/L	92
46) Tetrachloroethene	7.898	164	275974	71.728	ug/L	100
48) 2-Hexanone	8.024	43	14508	4.696	ug/L #	78

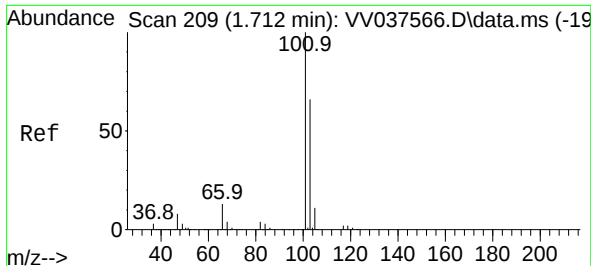
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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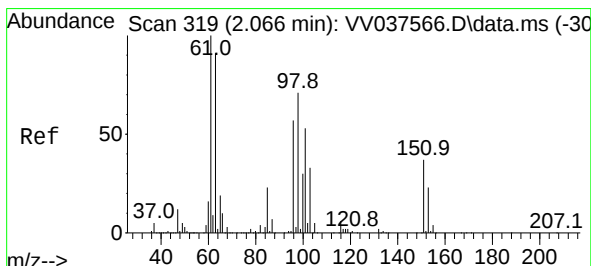
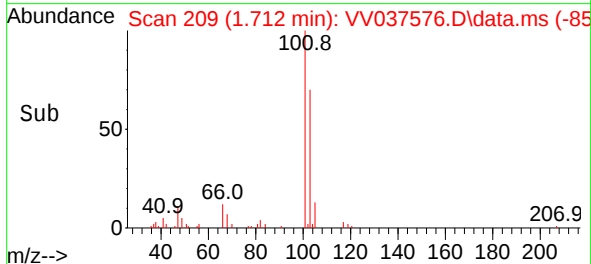
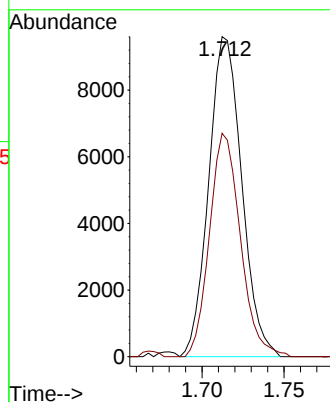
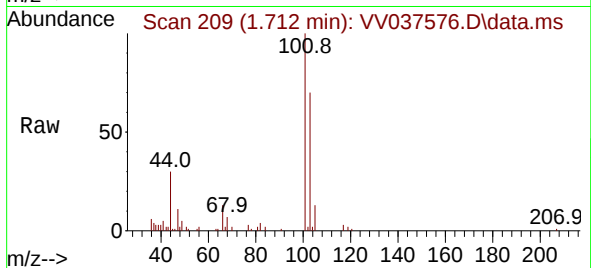




#9
 Trichlorofluoromethane
 Concen: 1.722 ug/L
 RT: 1.712 min Scan# 209
 Delta R.T. -0.000 min
 Lab File: VV037576.D
 Acq: 27 Sep 2024 02:15

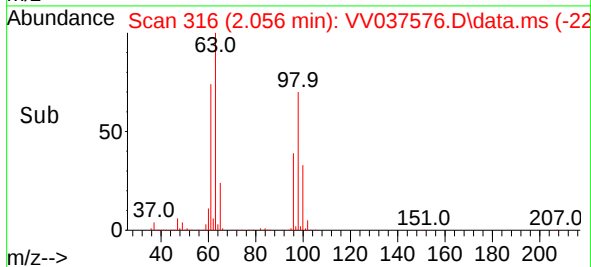
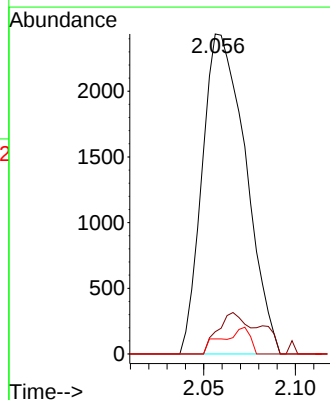
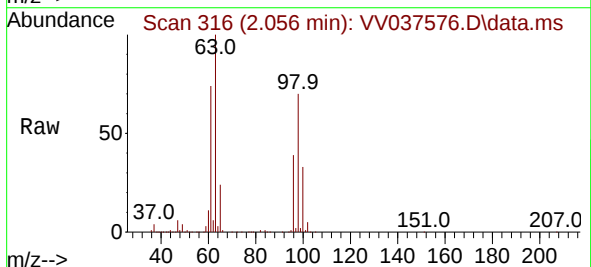
Instrument :
 MSVOA_V
 ClientSampleId :

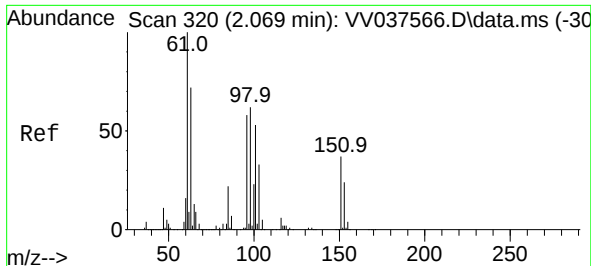
Tgt Ion:101 Resp: 13441
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.860 ug/L
 RT: 2.056 min Scan# 316
 Delta R.T. -0.010 min
 Lab File: VV037576.D
 Acq: 27 Sep 2024 02:15

Tgt Ion:101 Resp: 4012
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 2.2 57.5 86.3#





#12

1,1-Dichloroethene

Concen: 103.303 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :

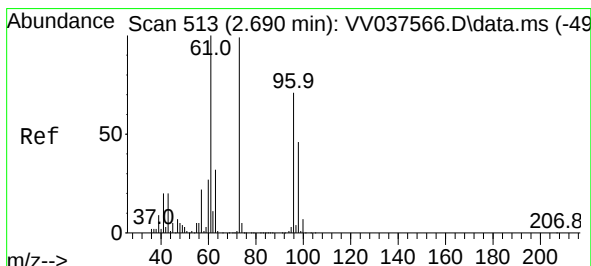
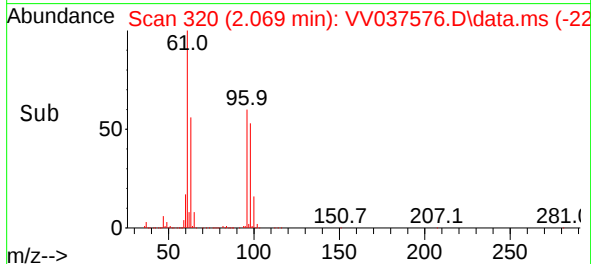
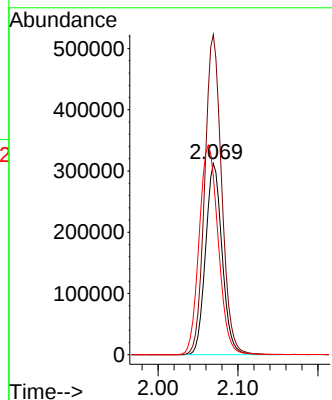
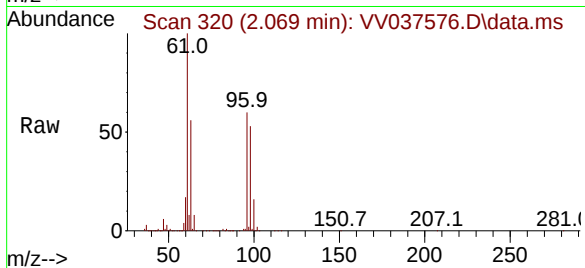
Tgt Ion: 96 Resp: 450047

Ion Ratio Lower Upper

96 100

61 167.4 122.6 227.6

63 93.3 118.0 219.2#



#17

trans-1,2-Dichloroethene

Concen: 2.844 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

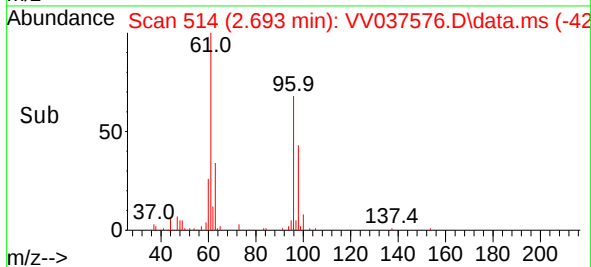
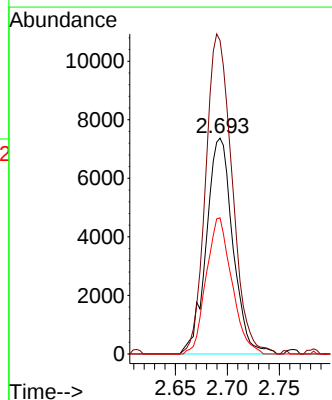
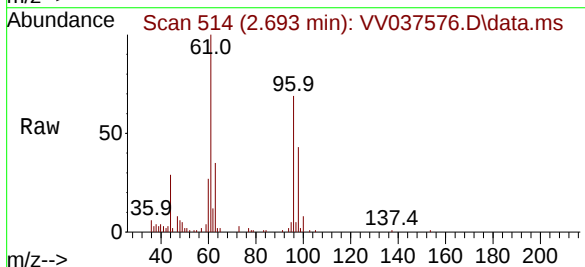
Tgt Ion: 96 Resp: 13108

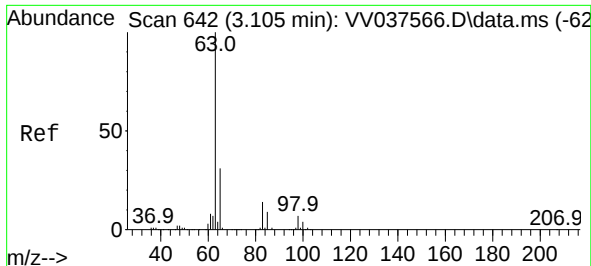
Ion Ratio Lower Upper

96 100

61 145.2 97.3 180.7

98 63.1 43.9 81.5





#19

1,1-Dichloroethane

Concen: 95.900 ug/L

RT: 3.104 min Scan# 642

Delta R.T. -0.000 min

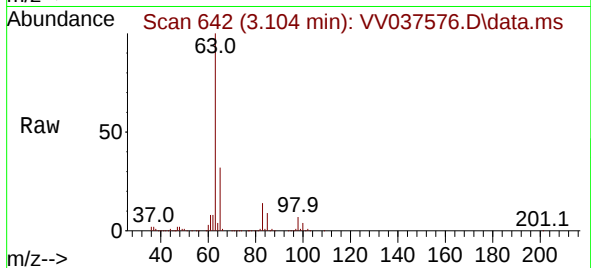
Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :



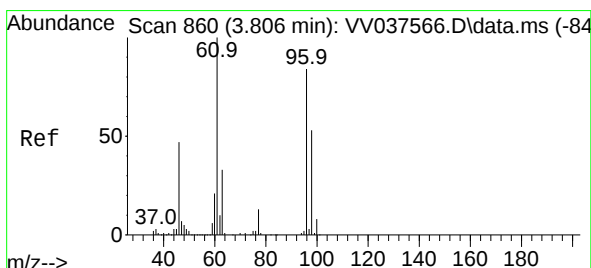
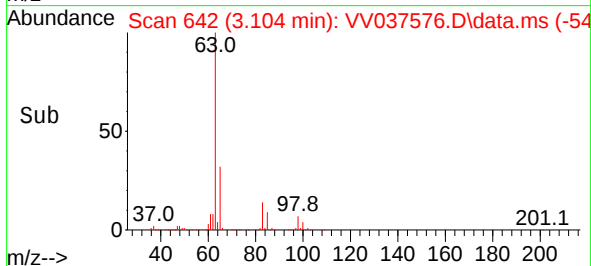
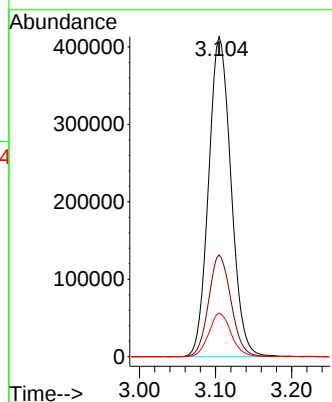
Tgt Ion: 63 Resp: 846837

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 13.6 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 82.358 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

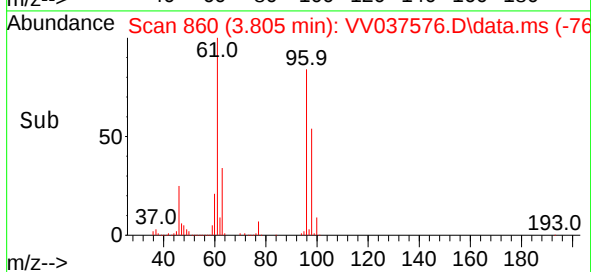
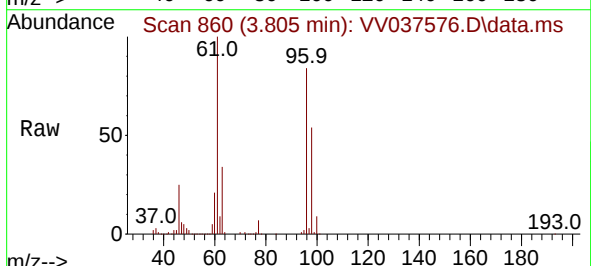
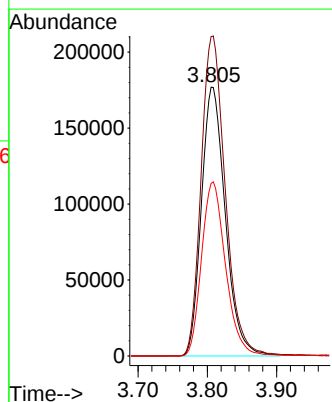
Tgt Ion: 96 Resp: 424765

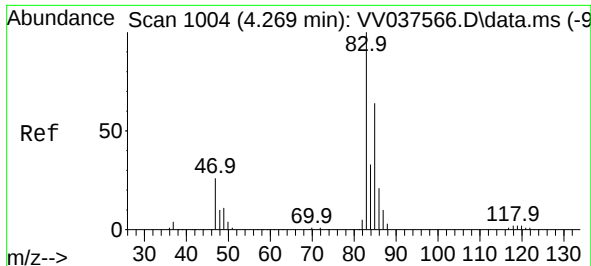
Ion Ratio Lower Upper

96 100

61 118.8 85.0 157.8

98 64.2 44.2 82.0





#25

Chloroform

Concen: 4.016 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Instrument :

MSVOA_V

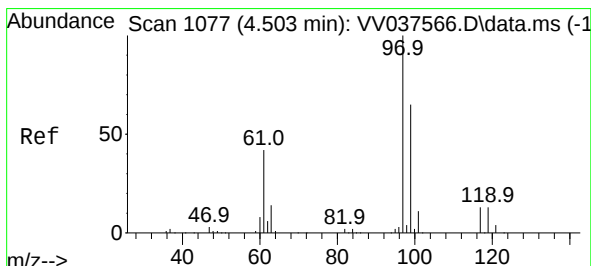
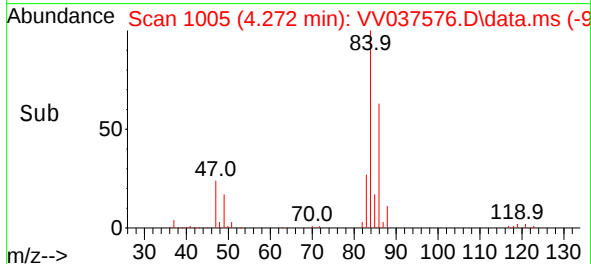
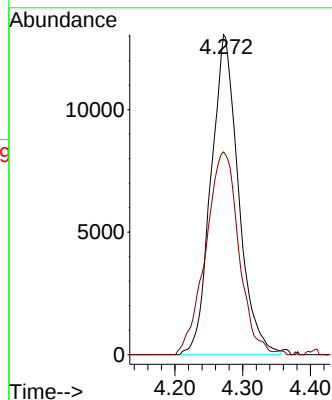
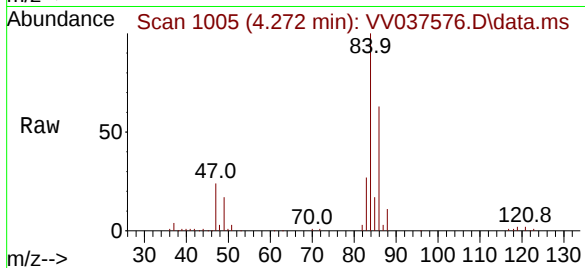
ClientSampleId :

Tgt Ion: 83 Resp: 36720

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.7



#30

1,1,1-Trichloroethane

Concen: 276.106 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

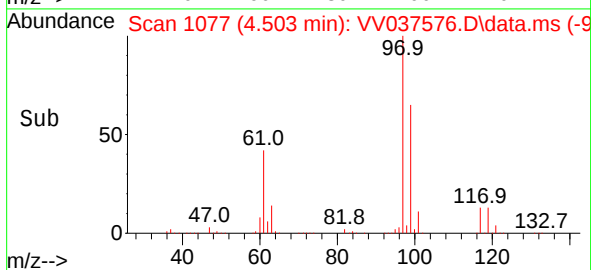
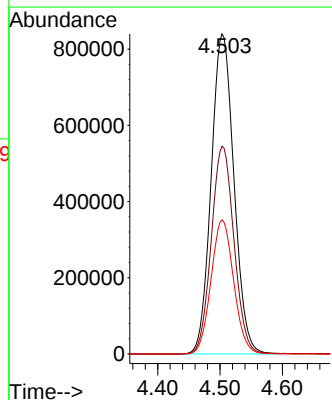
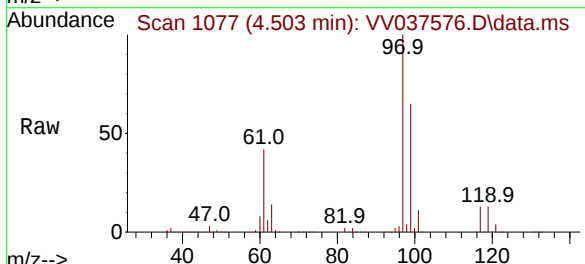
Tgt Ion: 97 Resp: 2130642

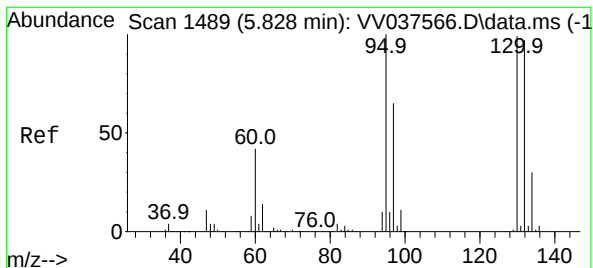
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.7 33.6 50.4





#34

Trichloroethene

Concen: 90.171 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

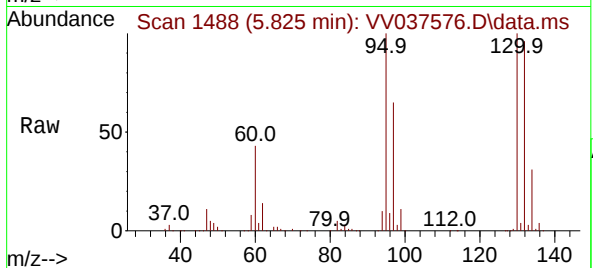
Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 453761

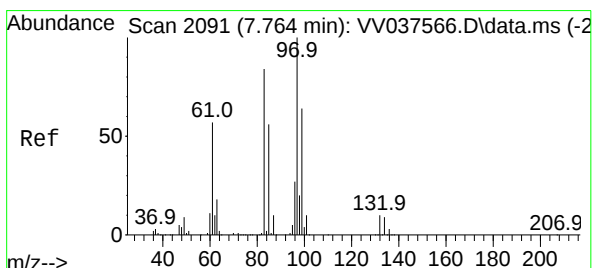
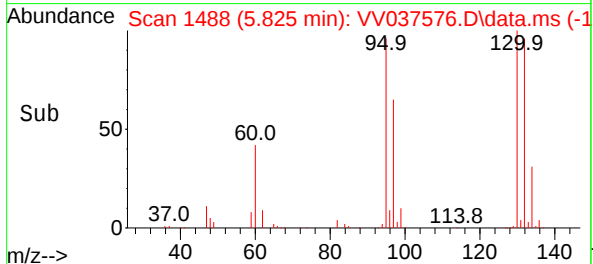
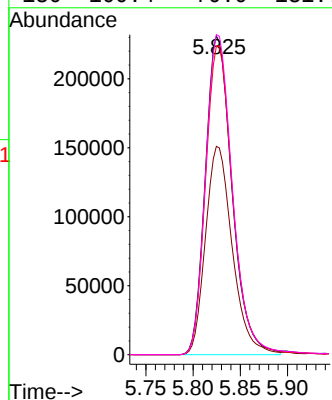
Ion Ratio Lower Upper

95 100

97 65.4 46.3 85.9

132 96.8 68.6 127.4

130 100.4 70.9 131.7



#45

1,1,2-Trichloroethane

Concen: 2.244 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.016 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Tgt Ion: 97 Resp: 10515

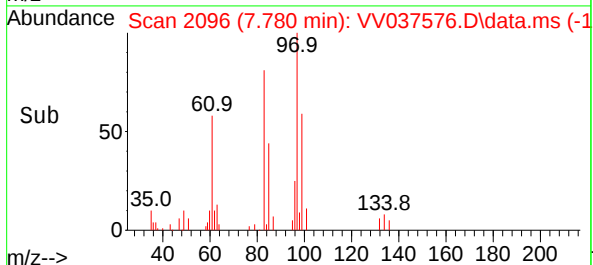
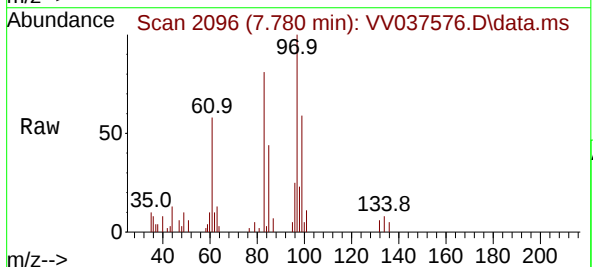
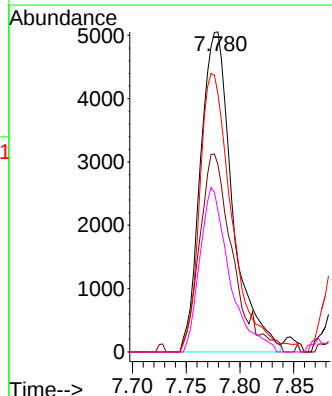
Ion Ratio Lower Upper

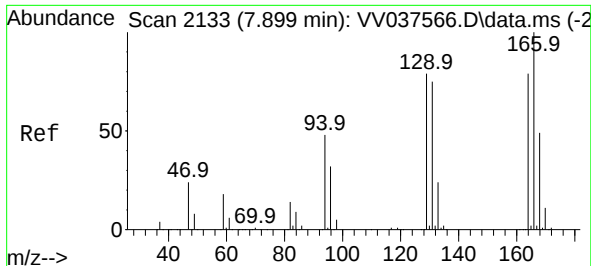
97 100

99 58.5 44.1 81.9

83 80.6 59.3 110.1

85 44.2 39.0 72.4





#46

Tetrachloroethene

Concen: 71.728 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.000 min

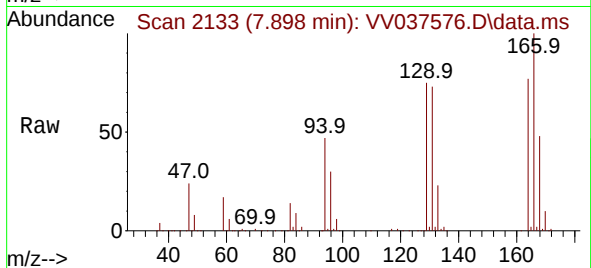
Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 275974

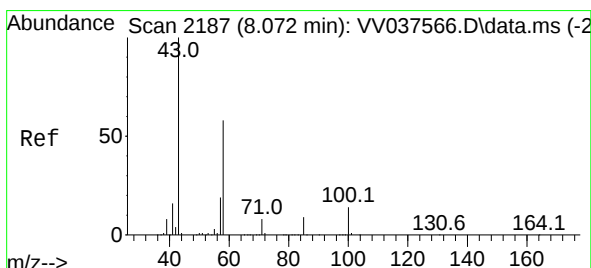
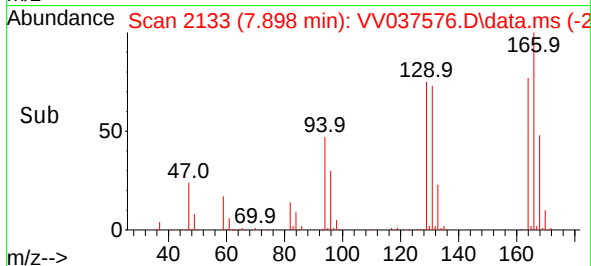
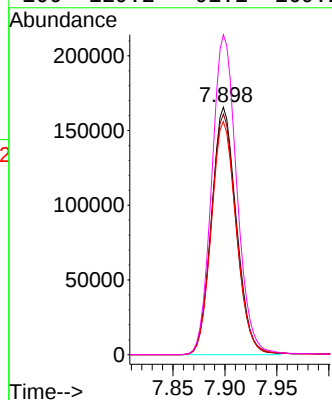
Ion Ratio Lower Upper

164 100

129 97.2 68.2 126.6

131 94.2 66.1 122.8

166 129.2 91.1 169.1



#48

2-Hexanone

Concen: 4.696 ug/L

RT: 8.024 min Scan# 2172

Delta R.T. -0.048 min

Lab File: VV037576.D

Acq: 27 Sep 2024 02:15

Tgt Ion: 43 Resp: 14508

Ion Ratio Lower Upper

43 100

58 41.7 46.5 69.7#

57 27.8 15.1 22.7#

100 2.7 10.7 16.1#

