

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037611.D
 Acq On : 27 Sep 2024 17:03
 Operator : SY/MD
 Sample : P4184-14DL 100X
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:51:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 23:45:04 2024
 Response via : Initial Calibration

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

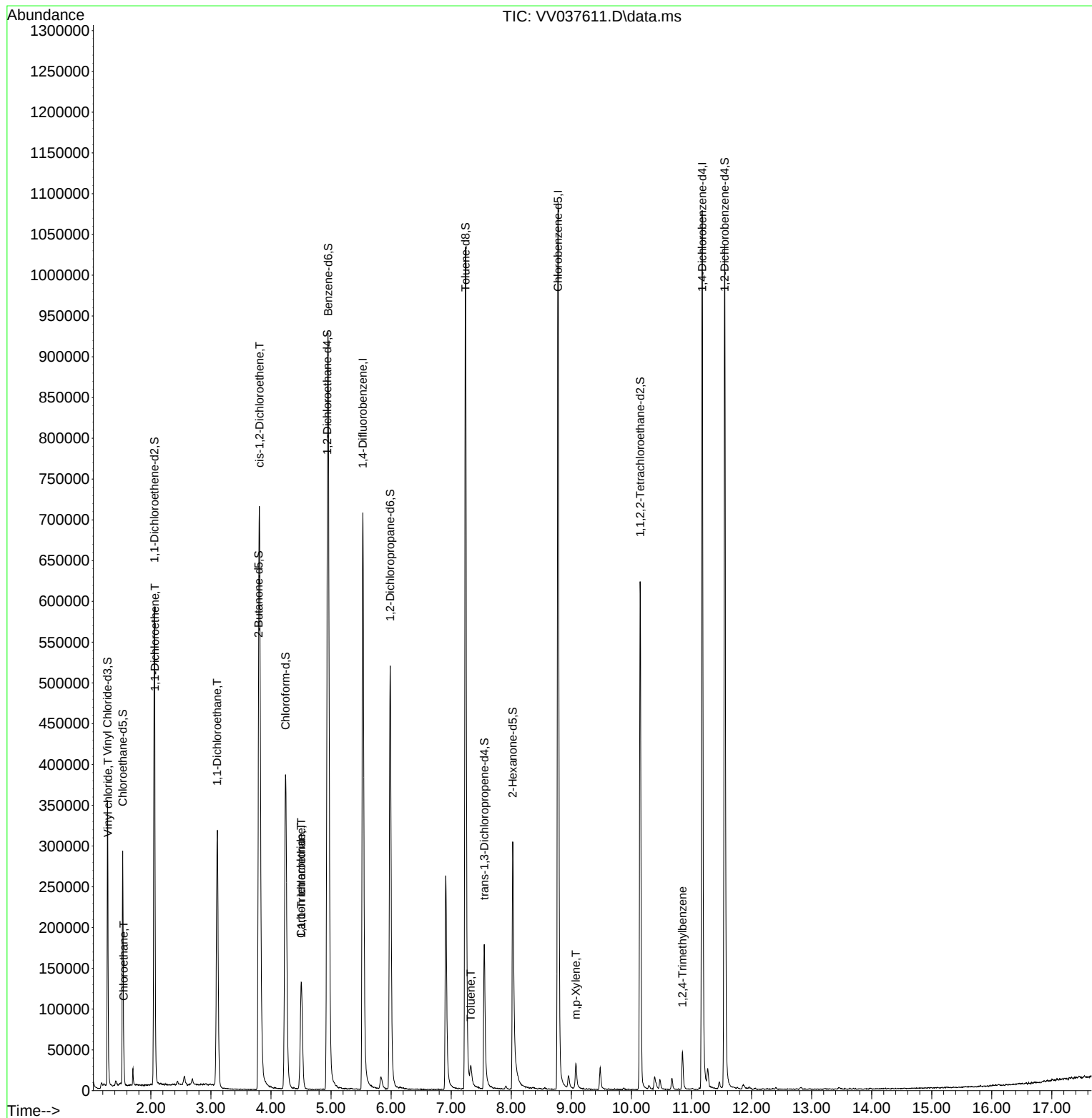
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	632327	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	602509	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	281196	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	221793	39.957	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.920%
7) Chloroethane-d5	1.532	69	182448	42.345	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.680%
11) 1,1-Dichloroethene-d2	2.060	65	96733	41.712	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.420%
21) 2-Butanone-d5	3.793	46	178064	90.063	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.060%
24) Chloroform-d	4.243	84	417498	42.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.560%
26) 1,2-Dichloroethane-d4	4.937	65	253612	43.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
32) Benzene-d6	4.953	84	822244	43.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.220%
36) 1,2-Dichloropropane-d6	5.985	67	261972	43.636	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.280%
41) Toluene-d8	7.239	98	706977	41.353	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
43) trans-1,3-Dichloroprop...	7.551	79	113529	40.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.420%
47) 2-Hexanone-d5	8.024	63	105621	83.316	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.320%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	306516	43.940	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.880%
66) 1,2-Dichlorobenzene-d4	11.554	152	274887	46.392	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.780%
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	14006	2.500	ug/L #	66
8) Chloroethane	1.548	64	6087	1.763	ug/L	93
12) 1,1-Dichloroethene	2.066	96	6157	1.463	ug/L #	1
19) 1,1-Dichloroethane	3.105	63	313284	36.716	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	367374	73.715	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	112745	15.193	ug/L	99
31) Carbon tetrachloride	4.503	117	13893	2.153	ug/L	92
42) Toluene	7.326	91	21732	1.154	ug/L	98
53) m,p-Xylene	9.075	106	10545	1.336	ug/L	90
63) 1,2,4-Trimethylbenzene	10.850	105	26643	1.853	ug/L	98

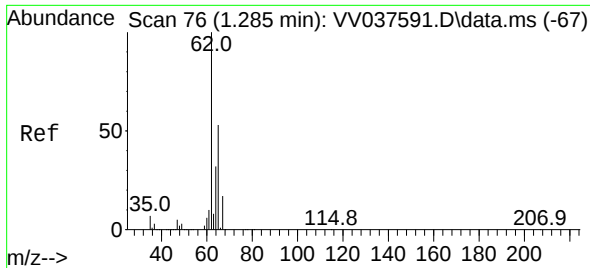
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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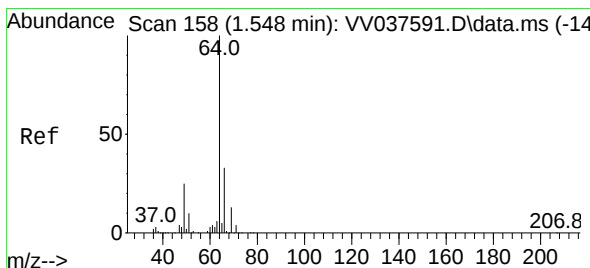
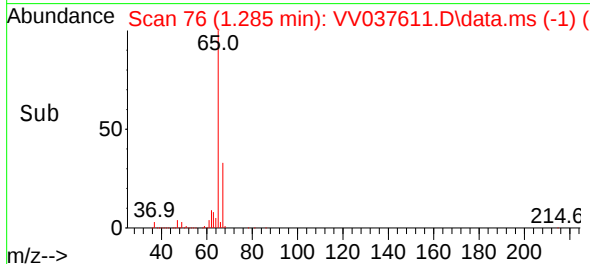
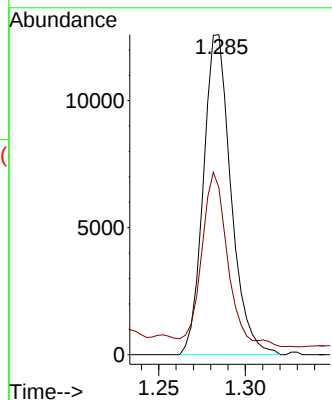
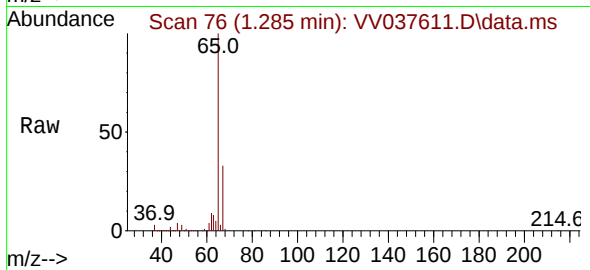




#5
 Vinyl chloride
 Concen: 2.500 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037611.D
 Acq: 27 Sep 2024 17:03

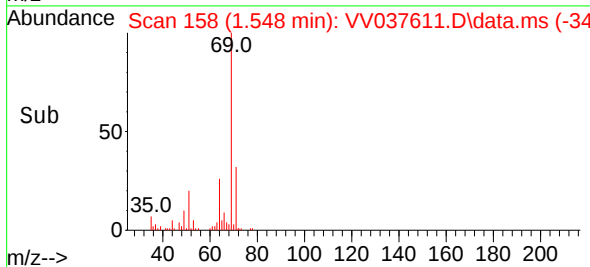
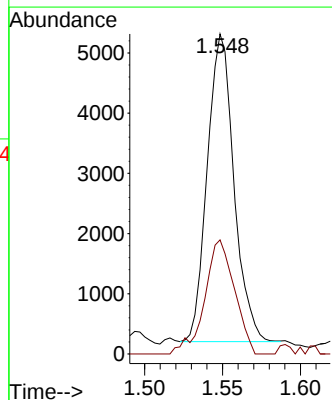
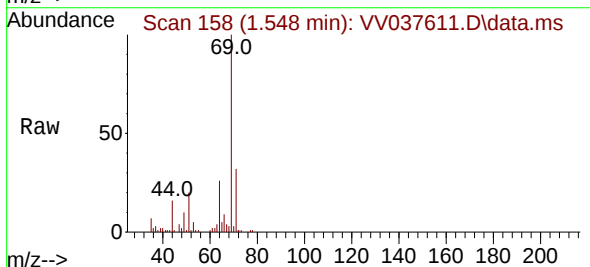
Instrument :
 MSVOA_V
 ClientSampleId :

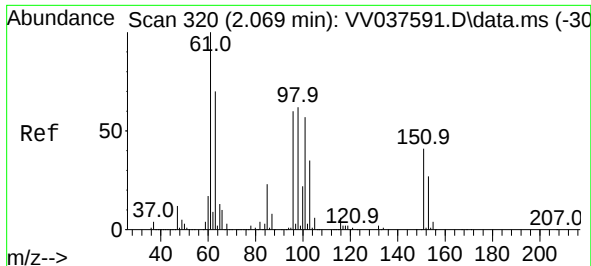
Tgt Ion: 62 Resp: 14006
 Ion Ratio Lower Upper
 62 100
 64 52.2 23.2 43.0#



#8
 Chloroethane
 Concen: 1.763 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VV037611.D
 Acq: 27 Sep 2024 17:03

Tgt Ion: 64 Resp: 6087
 Ion Ratio Lower Upper
 64 100
 66 35.7 22.2 41.2





#12

1,1-Dichloroethene

Concen: 1.463 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

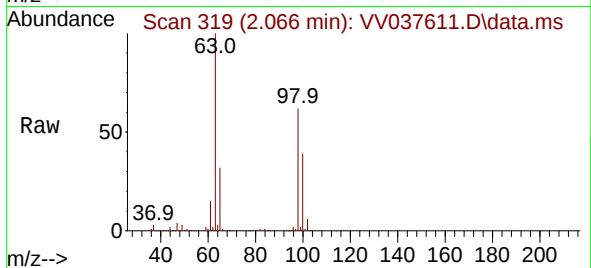
Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

Instrument :

MSVOA_V

ClientSampleId :



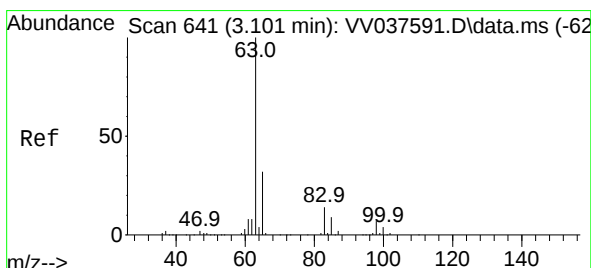
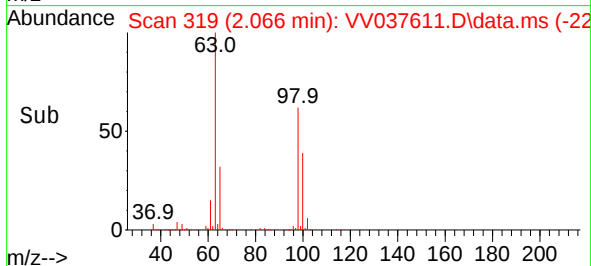
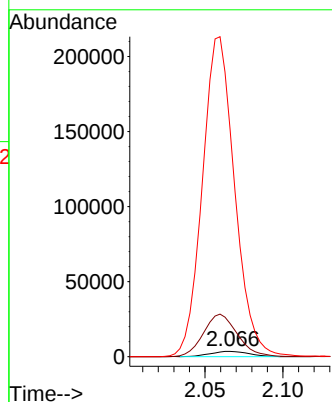
Tgt Ion: 96 Resp: 6157

Ion Ratio Lower Upper

96 100

61 627.1 122.6 227.6#

63 4288.5 118.0 219.2#



#19

1,1-Dichloroethane

Concen: 36.716 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

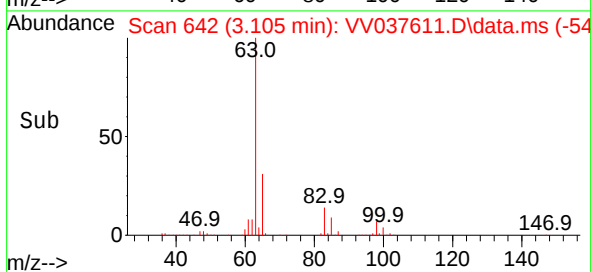
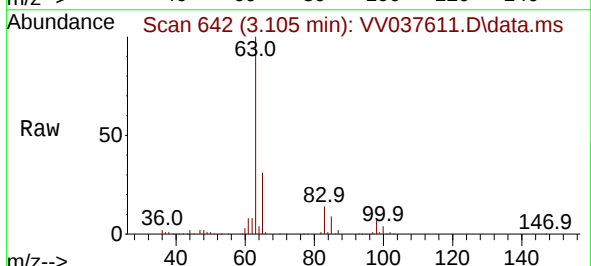
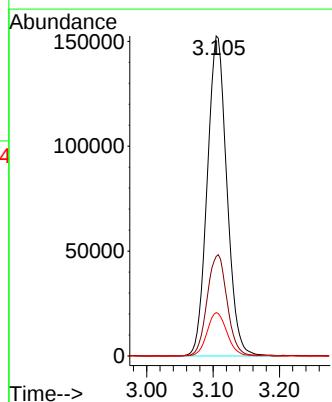
Tgt Ion: 63 Resp: 313284

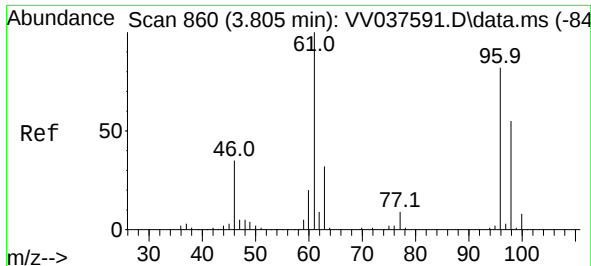
Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 13.5 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 73.715 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

Instrument :

MSVOA_V

ClientSampleId :

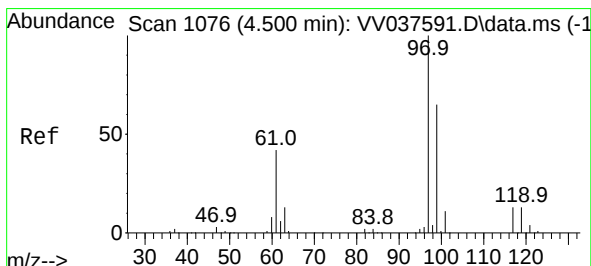
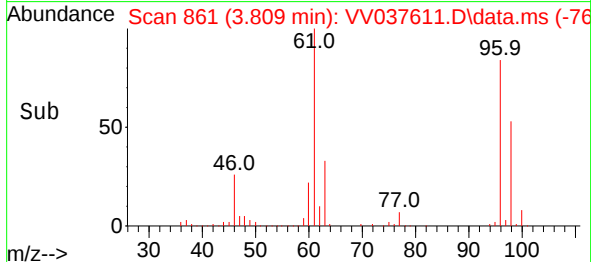
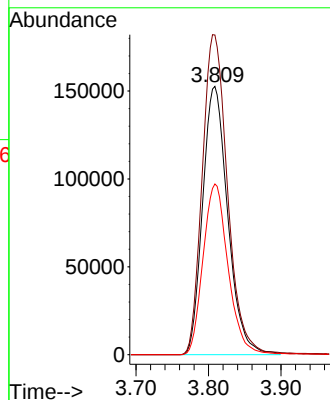
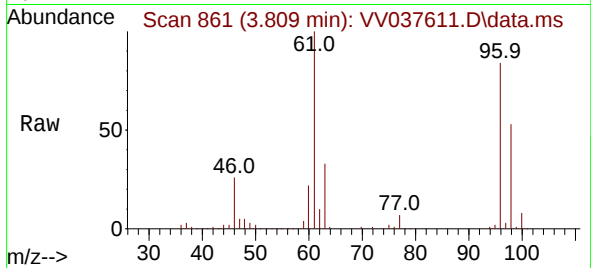
Tgt Ion: 96 Resp: 367374

Ion Ratio Lower Upper

96 100

61 119.2 85.0 157.8

98 63.6 44.2 82.0



#30

1,1,1-Trichloroethane

Concen: 15.193 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

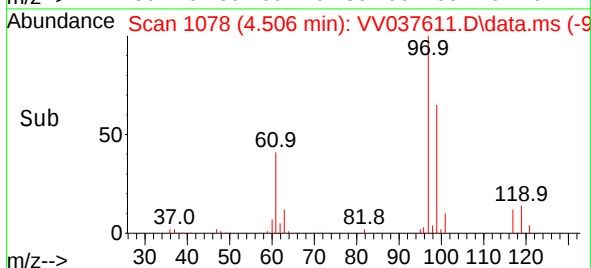
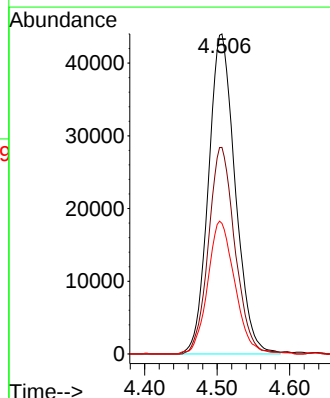
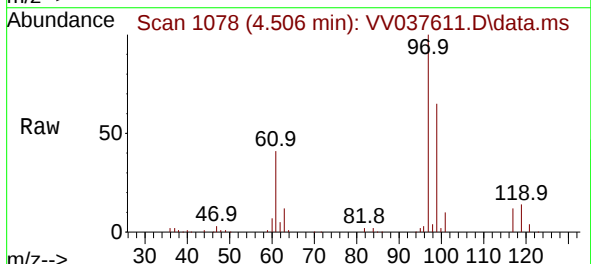
Tgt Ion: 97 Resp: 112745

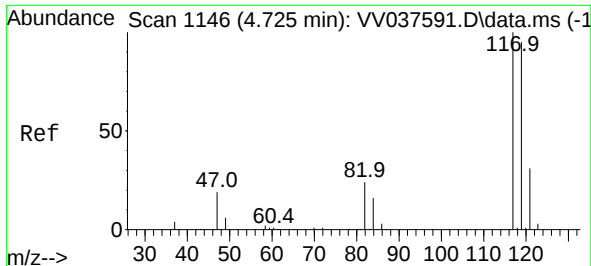
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 41.0 33.6 50.4





#31

Carbon tetrachloride

Concen: 2.153 ug/L

RT: 4.503 min Scan# 1

Delta R.T. -0.222 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

Instrument :

MSVOA_V

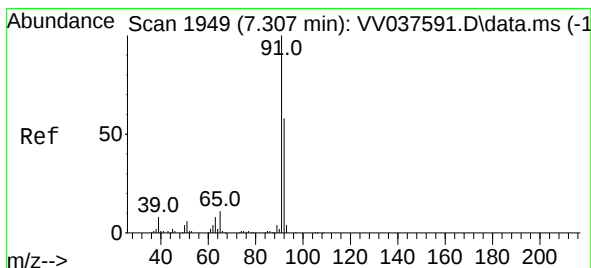
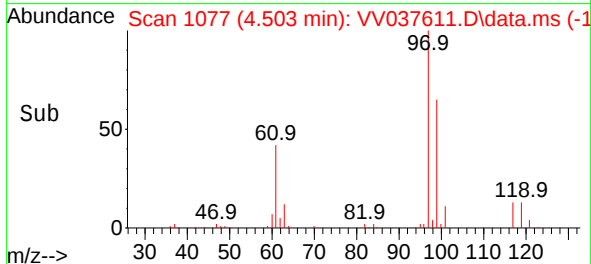
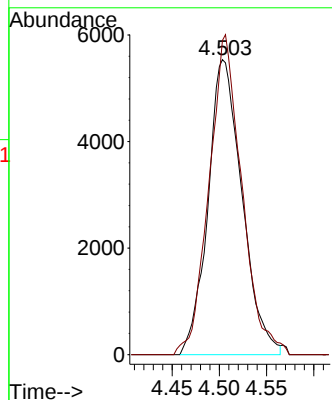
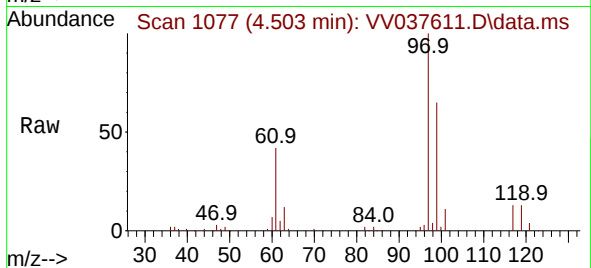
ClientSampleId :

Tgt Ion:117 Resp: 13893

Ion Ratio Lower Upper

117 100

119 104.1 76.9 115.3



#42

Toluene

Concen: 1.154 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VV037611.D

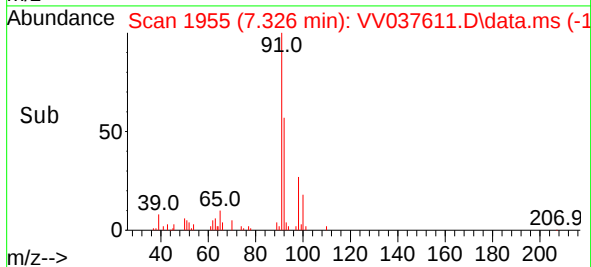
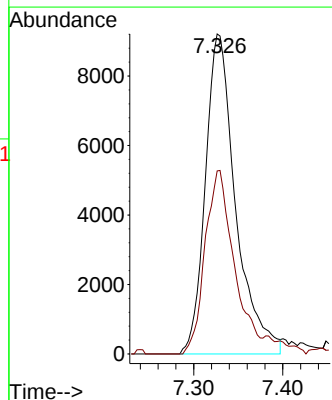
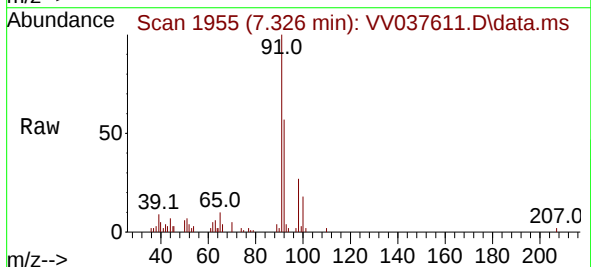
Acq: 27 Sep 2024 17:03

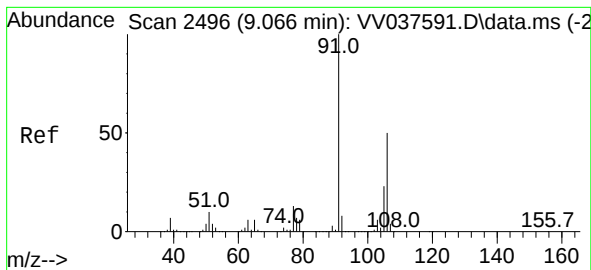
Tgt Ion: 91 Resp: 21732

Ion Ratio Lower Upper

91 100

92 57.2 41.1 76.3





#53

m,p-Xylene

Concen: 1.336 ug/L

RT: 9.075 min Scan# 2496

Delta R.T. 0.010 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

Instrument :

MSVOA_V

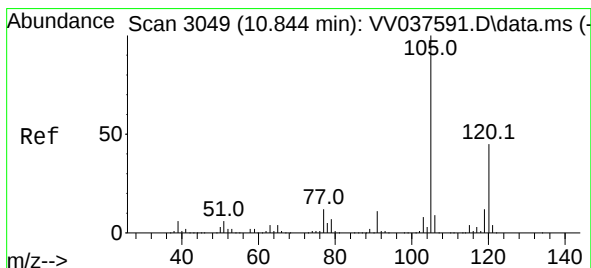
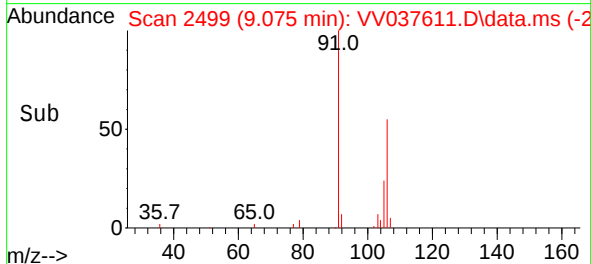
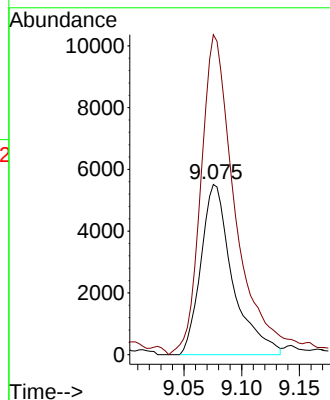
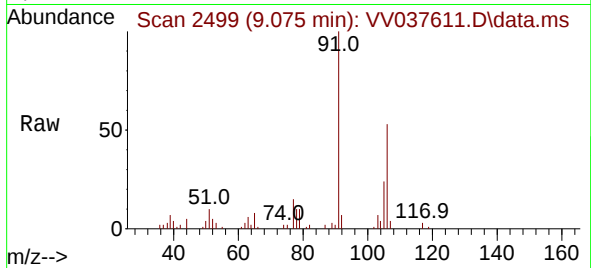
ClientSampleId :

Tgt Ion:106 Resp: 10545

Ion Ratio Lower Upper

106 100

91 188.0 142.0 263.6



#63

1,2,4-Trimethylbenzene

Concen: 1.853 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.007 min

Lab File: VV037611.D

Acq: 27 Sep 2024 17:03

Tgt Ion:105 Resp: 26643

Ion Ratio Lower Upper

105 100

120 46.6 36.2 54.2

