

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037595.D
 Acq On : 27 Sep 2024 10:54
 Operator : SY/MD
 Sample : P4185-18
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:46:41 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	585593	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	567453	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	271232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	245587	47.774	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.540%		
7) Chloroethane-d5	1.532	69	188899	47.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.680%		
11) 1,1-Dichloroethene-d2	2.059	65	102822	47.876	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.760%		
21) 2-Butanone-d5	3.796	46	196258	107.188	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.190%		
24) Chloroform-d	4.243	84	420179	45.943	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.880%		
26) 1,2-Dichloroethane-d4	4.937	65	253979	47.444	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.880%		
32) Benzene-d6	4.953	84	833238	46.925	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.860%		
36) 1,2-Dichloropropane-d6	5.985	67	267156	47.249	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.500%		
41) Toluene-d8	7.236	98	748107	46.463	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.920%		
43) trans-1,3-Dichloroprop...	7.548	79	116611	44.396	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.800%		
47) 2-Hexanone-d5	8.024	63	103621	86.788	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.790%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	299919	45.651	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.300%		
66) 1,2-Dichlorobenzene-d4	11.554	152	285366	49.929	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	1171559	225.792	ug/L	100
8) Chloroethane	1.548	64	23445	7.331	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3529	0.846	ug/L #	24
12) 1,1-Dichloroethene	2.069	96	155970	40.007	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	110175	26.713	ug/L	99
19) 1,1-Dichloroethane	3.104	63	6985321	883.984	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	15085543	3268.562	ug/L	98
27) 1,2-Dichloroethane	5.043	62	35181	6.091	ug/L	95
30) 1,1,1-Trichloroethane	4.503	97	1509243	215.948	ug/L	99
31) Carbon tetrachloride	4.503	117	195997	32.256	ug/L	99
33) Benzene	5.008	78	58067	3.393	ug/L	100
34) Trichloroethene	5.834	95	33205	7.286	ug/L	95
35) Methylcyclohexane	5.985	83	63134	9.005	ug/L #	21
45) 1,1,2-Trichloroethane	7.779	97	7931	1.869	ug/L	97
46) Tetrachloroethene	7.898	164	112226	32.206	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	22166	2.642	ug/L	97

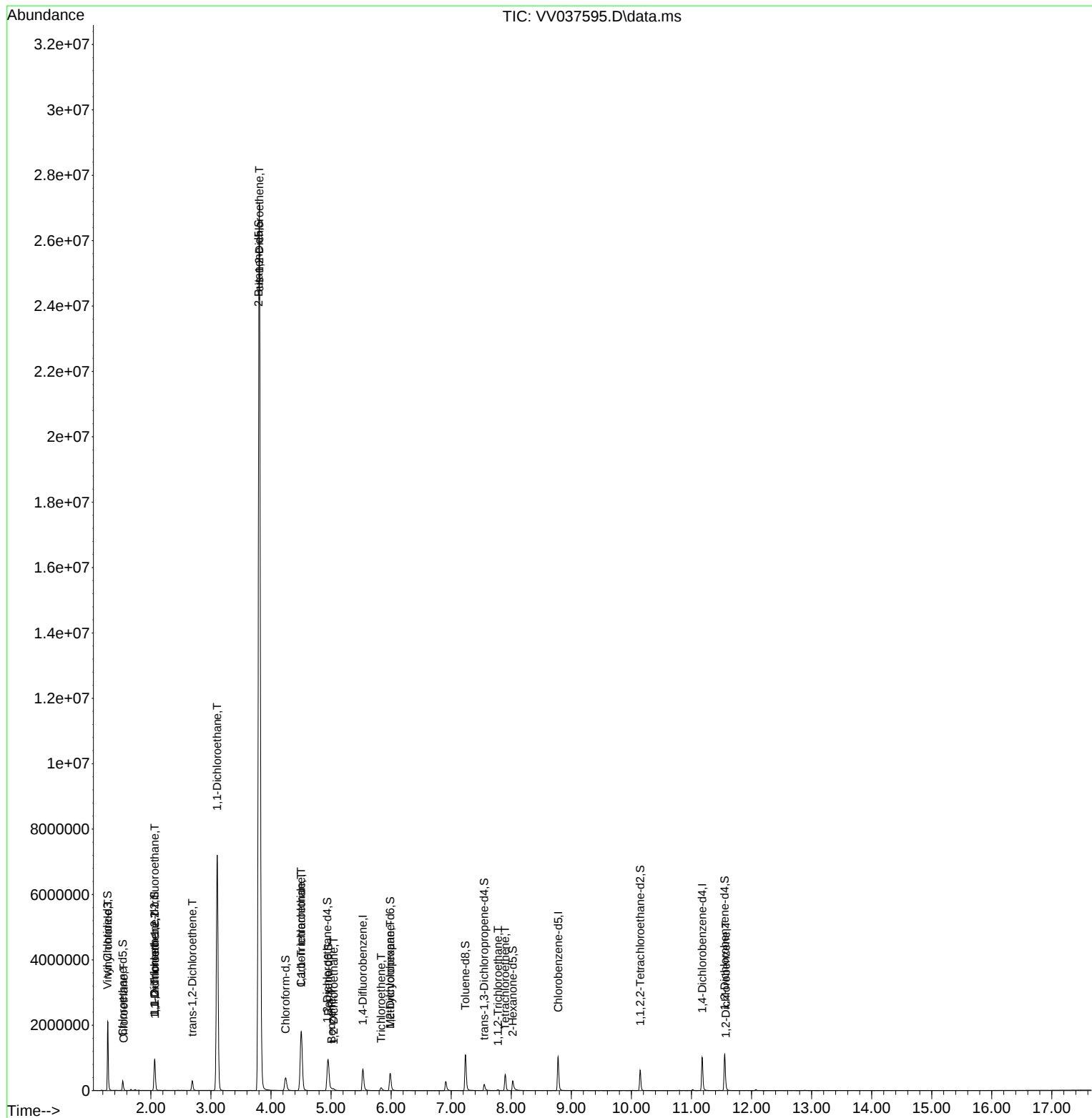
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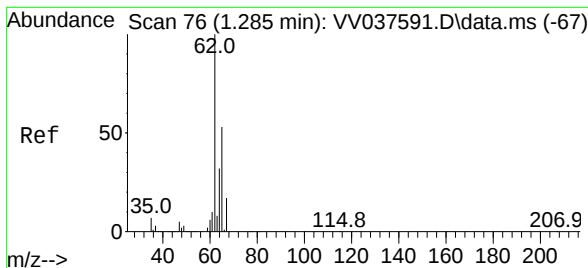
Instrument :
MSVOA_V
ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Fri Sep 27 23:45:04 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 225.792 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

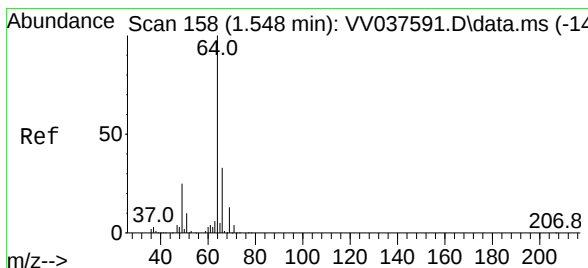
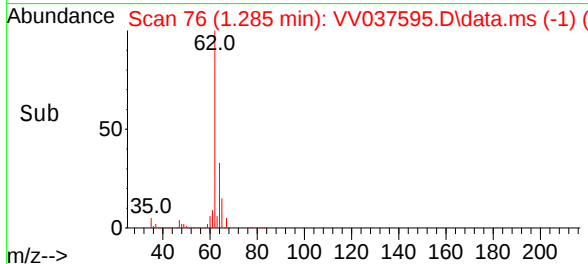
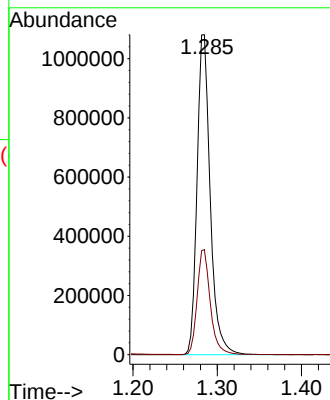
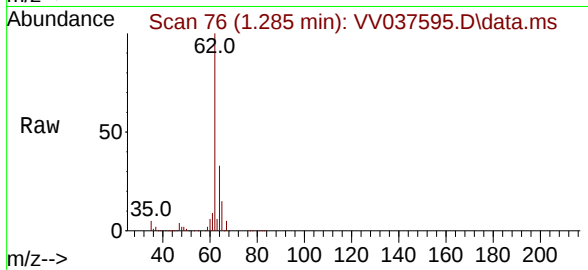
ClientSampleId :

Tgt Ion: 62 Resp: 1171559

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#8

Chloroethane

Concen: 7.331 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037595.D

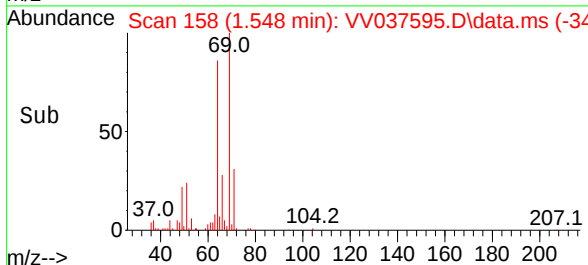
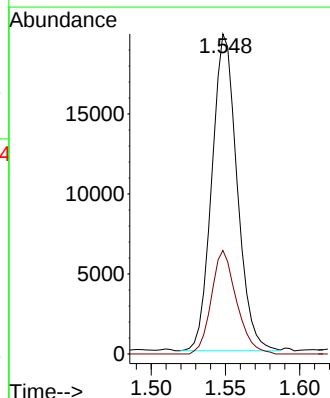
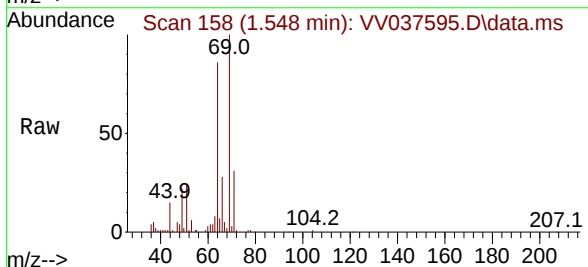
Acq: 27 Sep 2024 10:54

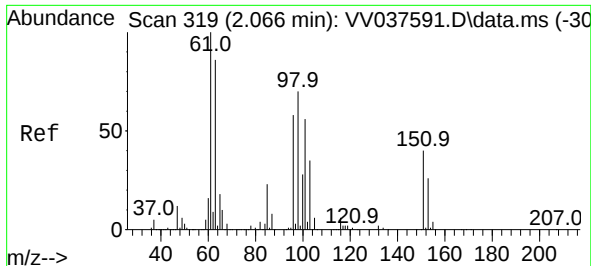
Tgt Ion: 64 Resp: 23445

Ion Ratio Lower Upper

64 100

66 32.4 22.2 41.2

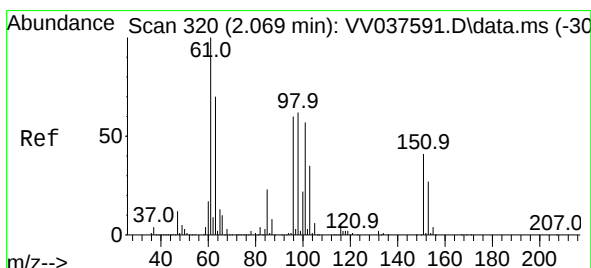
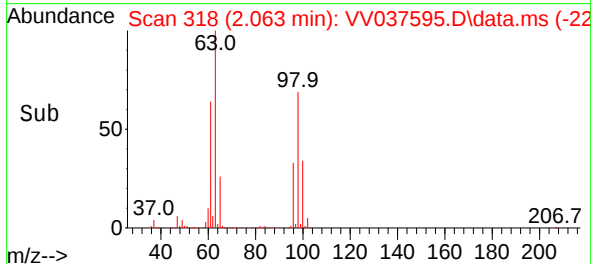
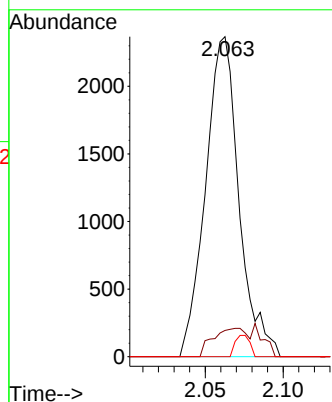
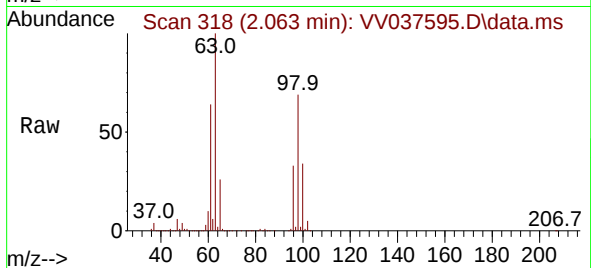




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.846 ug/L
RT: 2.063 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037595.D
Acq: 27 Sep 2024 10:54

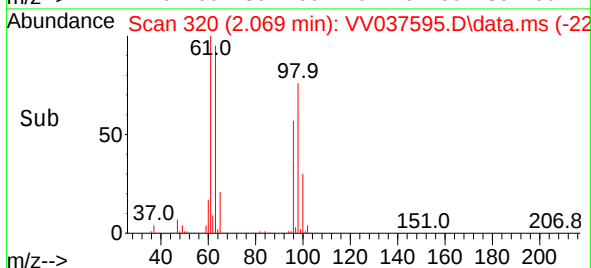
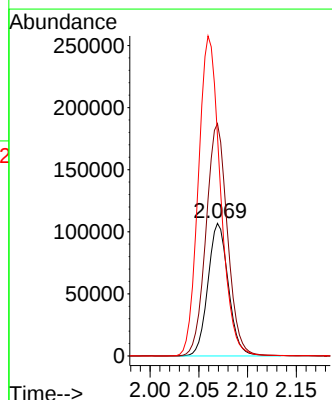
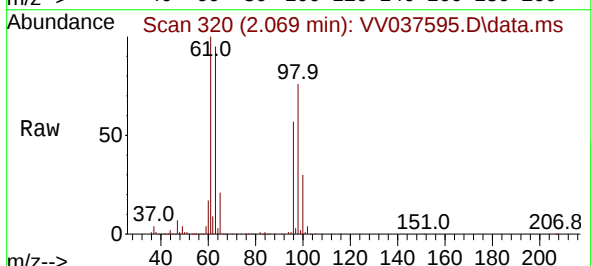
Instrument :
MSVOA_V
ClientSampleId :

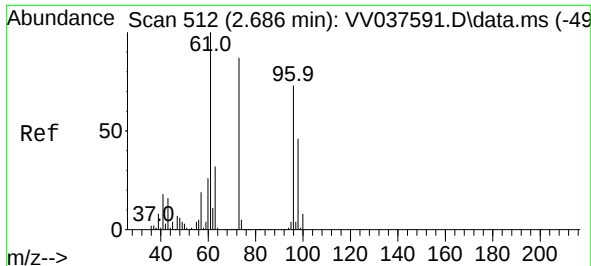
Tgt Ion:101 Resp: 3529
Ion Ratio Lower Upper
101 100
85 2.3 34.6 52.0#
151 2.9 57.5 86.3#



#12
1,1-Dichloroethene
Concen: 40.007 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037595.D
Acq: 27 Sep 2024 10:54

Tgt Ion: 96 Resp: 155970
Ion Ratio Lower Upper
96 100
61 175.1 122.6 227.6
63 165.7 118.0 219.2





#17

trans-1,2-Dichloroethene

Concen: 26.713 ug/L

RT: 2.690 min Scan# 51

Delta R.T. 0.003 min

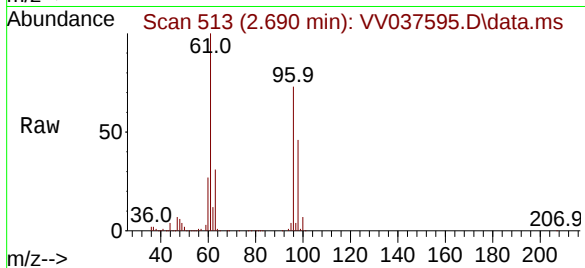
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Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :



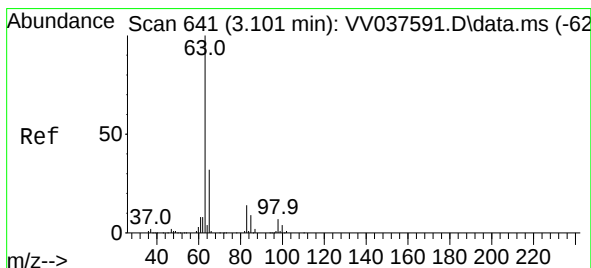
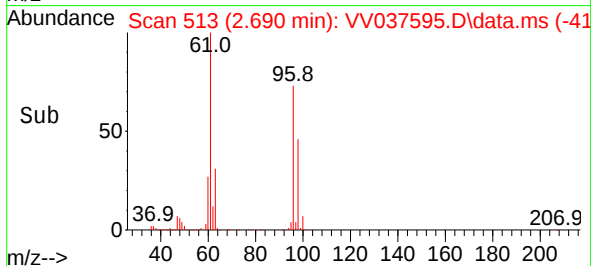
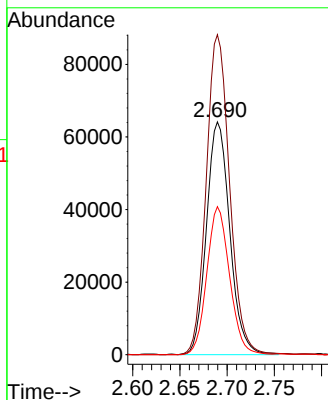
Tgt Ion: 96 Resp: 110175

Ion Ratio Lower Upper

96 100

61 137.5 97.3 180.7

98 63.6 43.9 81.5



#19

1,1-Dichloroethane

Concen: 883.984 ug/L

RT: 3.104 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

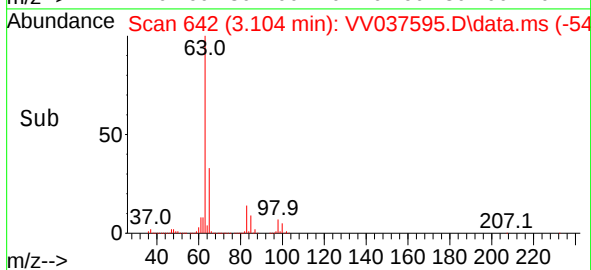
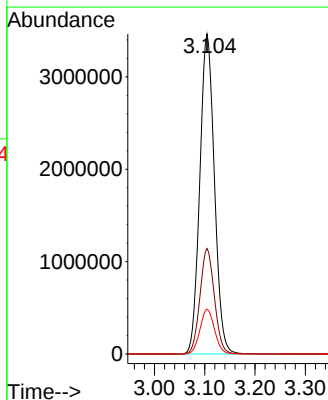
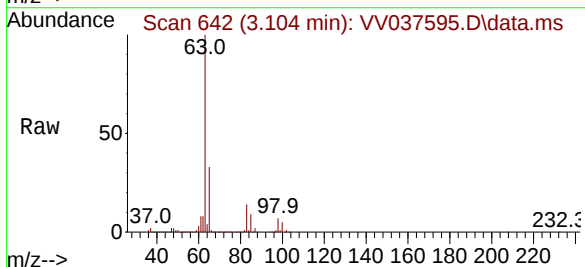
Tgt Ion: 63 Resp: 6985321

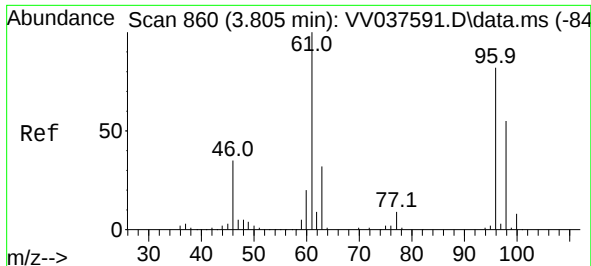
Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

83 14.0 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 3268.562 ug/L

RT: 3.805 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

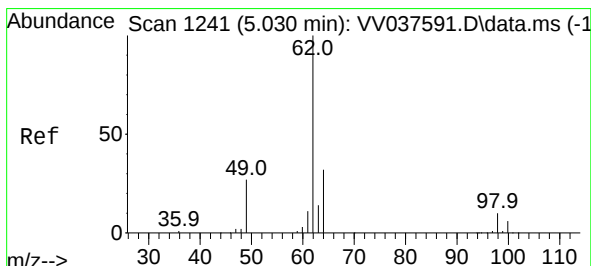
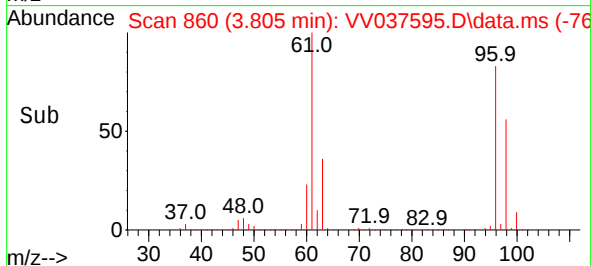
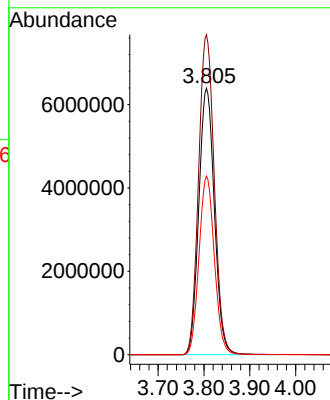
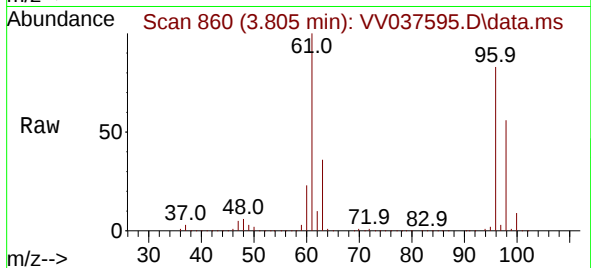
Tgt Ion: 96 Resp:15085543

Ion Ratio Lower Upper

96 100

61 120.1 85.0 157.8

98 67.0 44.2 82.0



#27

1,2-Dichloroethane

Concen: 6.091 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.013 min

Lab File: VV037595.D

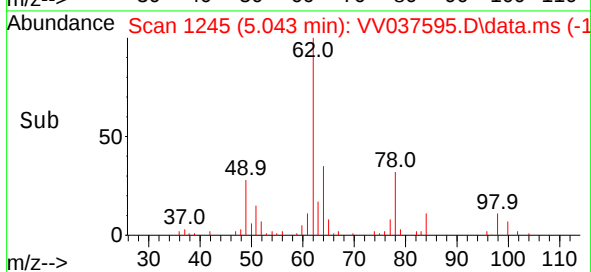
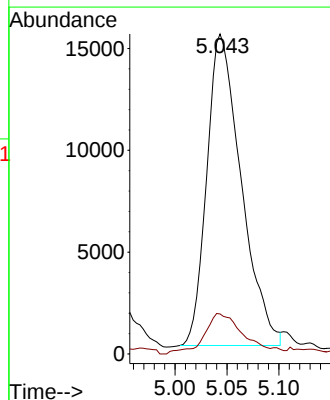
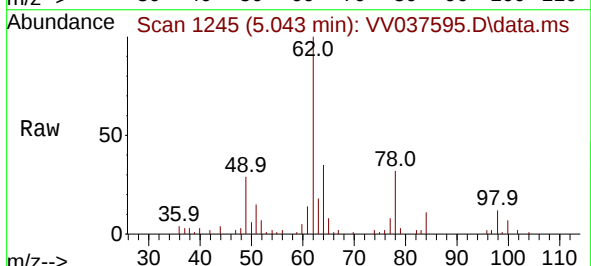
Acq: 27 Sep 2024 10:54

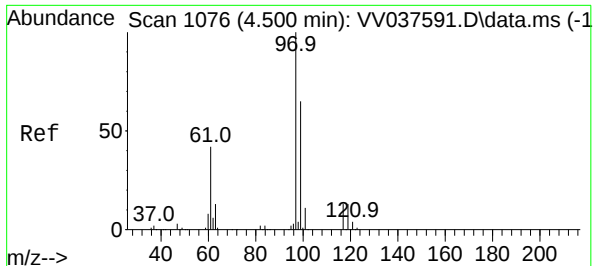
Tgt Ion: 62 Resp: 35181

Ion Ratio Lower Upper

62 100

98 12.5 8.4 12.6





#30

1,1,1-Trichloroethane

Concen: 215.948 ug/L

RT: 4.503 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

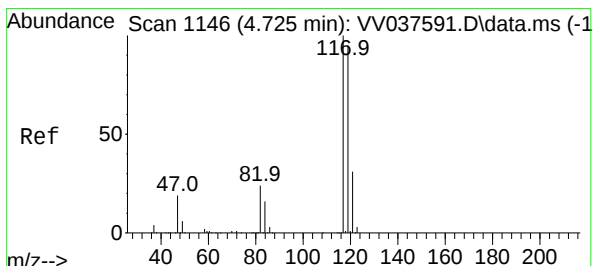
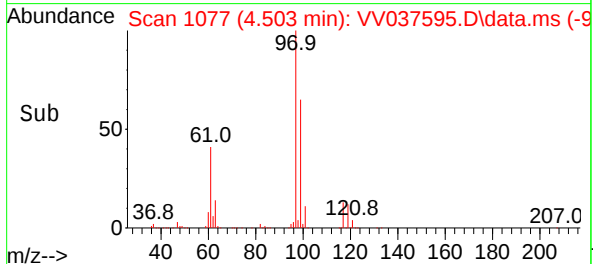
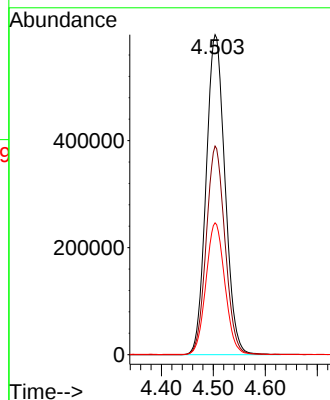
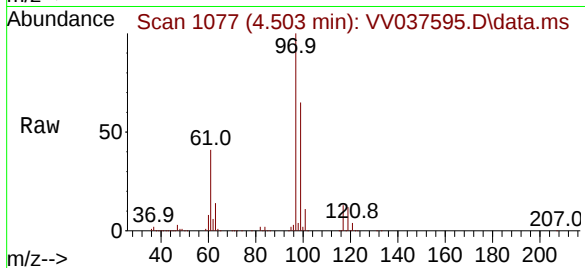
Tgt Ion: 97 Resp: 1509243

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.0 33.6 50.4



#31

Carbon tetrachloride

Concen: 32.256 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.222 min

Lab File: VV037595.D

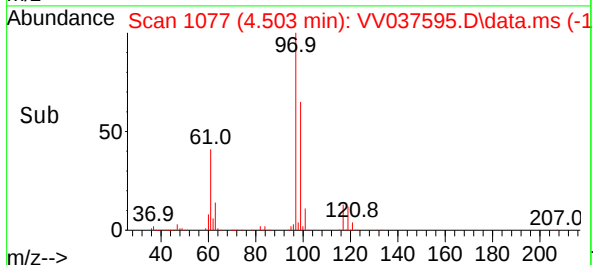
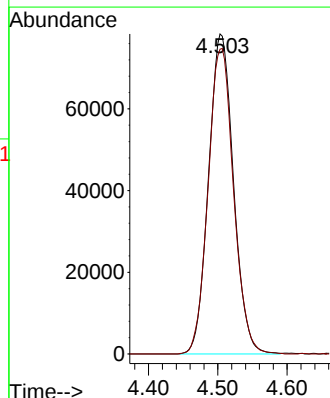
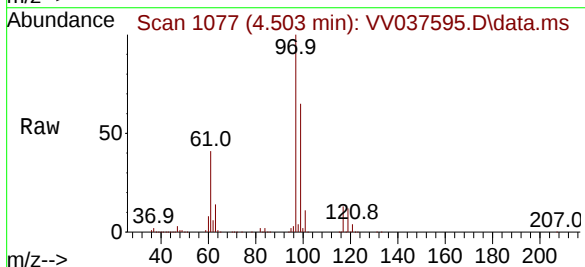
Acq: 27 Sep 2024 10:54

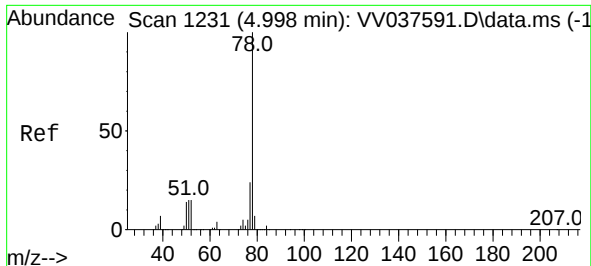
Tgt Ion: 117 Resp: 195997

Ion Ratio Lower Upper

117 100

119 97.4 76.9 115.3

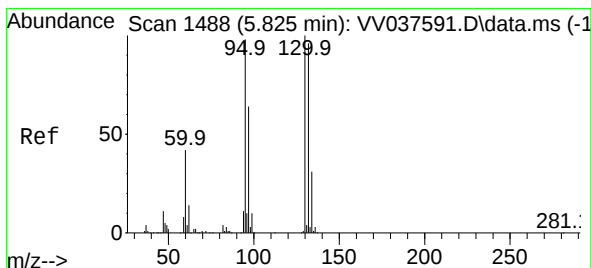
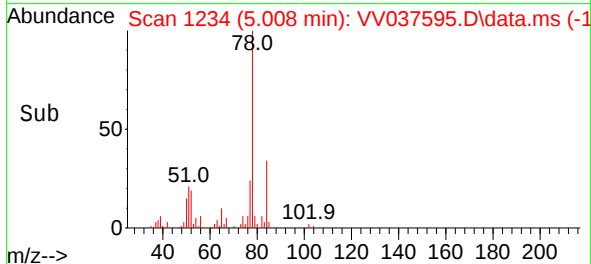
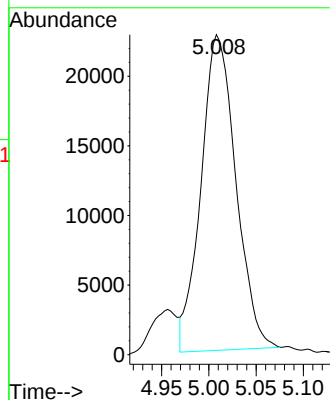
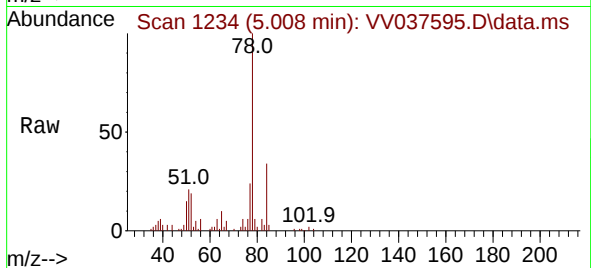




#33
Benzene
Concen: 3.393 ug/L
RT: 5.008 min Scan# 1490
Delta R.T. 0.010 min
Lab File: VV037595.D
Acq: 27 Sep 2024 10:54

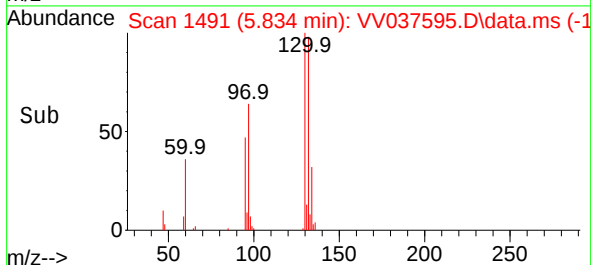
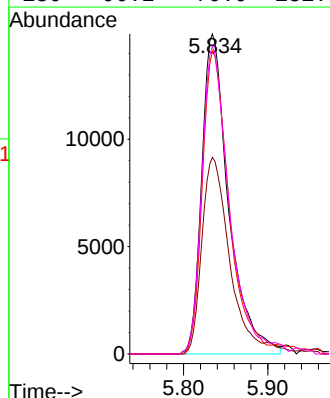
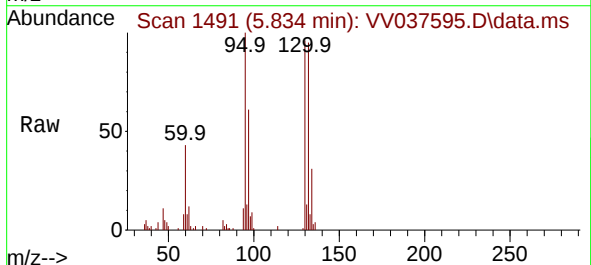
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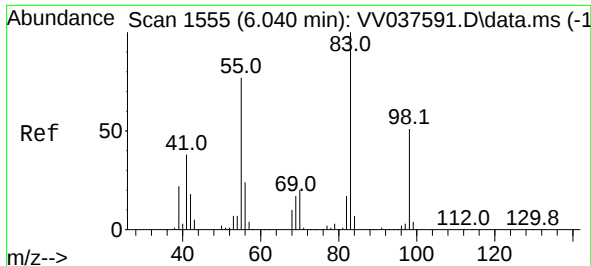
Tgt Ion: 78 Resp: 58067



#34
Trichloroethene
Concen: 7.286 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV037595.D
Acq: 27 Sep 2024 10:54

Tgt Ion: 95 Resp: 33205
Ion Ratio Lower Upper
95 100
97 61.4 46.3 85.9
132 94.7 68.6 127.4
130 96.2 70.9 131.7





#35

Methylcyclohexane

Concen: 9.005 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV037595.D

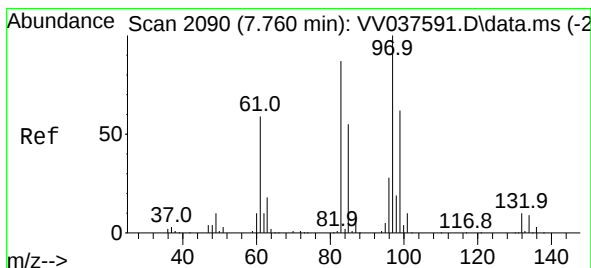
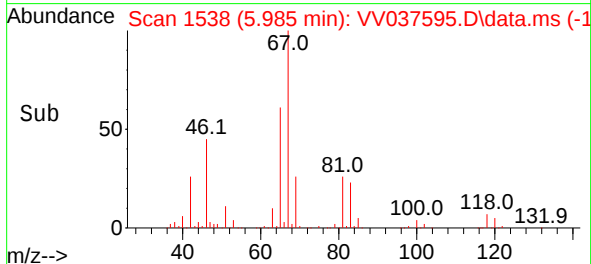
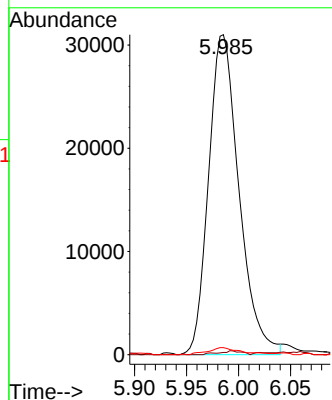
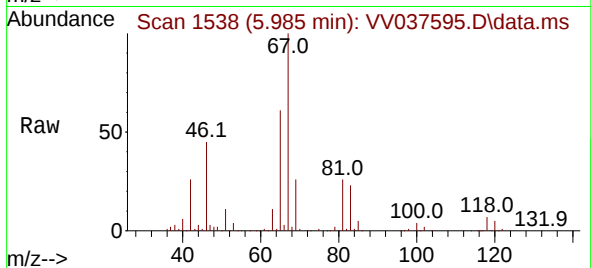
Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 63134
Ion Ratio	Lower Upper
83 100	
55 0.5	57.9 86.9#
98 2.1	39.3 58.9#



#45

1,1,2-Trichloroethane

Concen: 1.869 ug/L

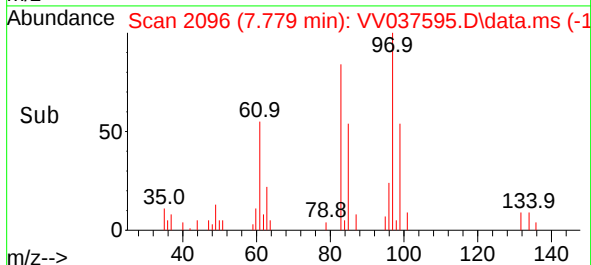
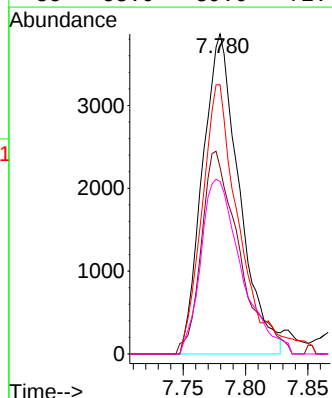
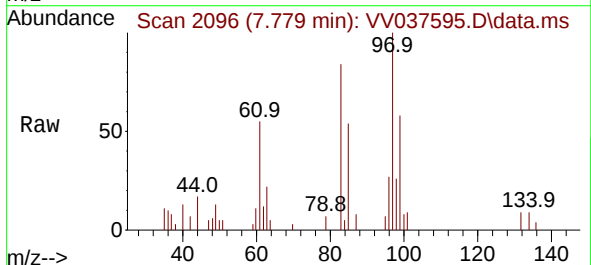
RT: 7.779 min Scan# 2096

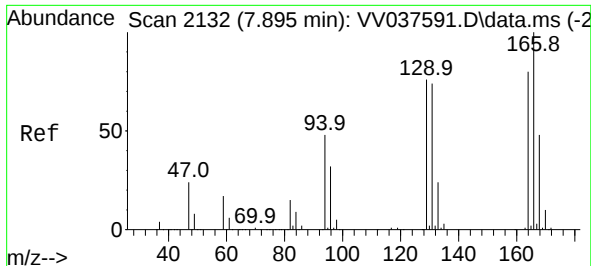
Delta R.T. 0.019 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Tgt Ion: 97	Resp: 7931
Ion Ratio	Lower Upper
97 100	
99 58.4	44.1 81.9
83 84.1	59.3 110.1
85 53.9	39.0 72.4





#46

Tetrachloroethene

Concen: 32.206 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. 0.003 min

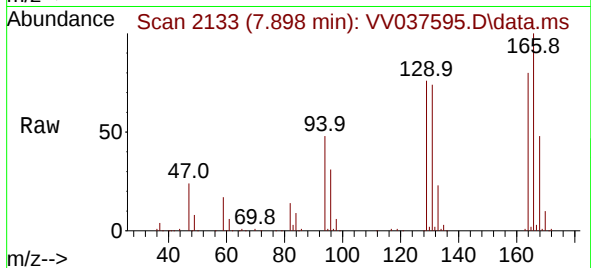
Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 112226

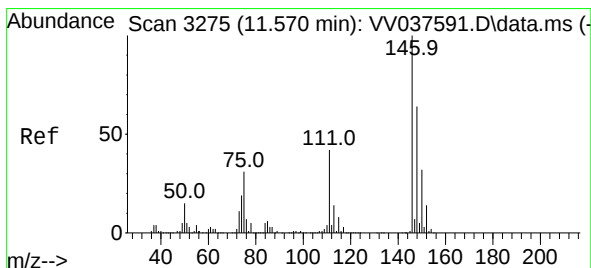
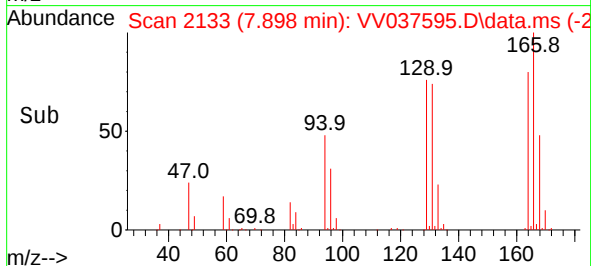
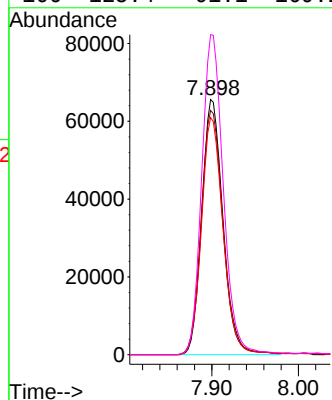
Ion Ratio Lower Upper

164 100

129 95.7 68.2 126.6

131 92.9 66.1 122.8

166 125.4 91.1 169.1



#67

1,2-Dichlorobenzene

Concen: 2.642 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV037595.D

Acq: 27 Sep 2024 10:54

Tgt Ion:146 Resp: 22166

Ion Ratio Lower Upper

146 100

111 45.7 34.2 51.2

148 62.1 50.9 76.3

