

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092622\
 Data File : VW028125.D
 Acq On : 26 Sep 2022 18:45
 Operator : SY/MD
 Sample : N4820-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 26 21:32:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 26 21:28:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	173924	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	176542	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	91790	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	66453	3.685	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	73.800%	
7) Chloroethane-d5	1.558	69	57409	4.005	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	80.000%	
11) 1,1-Dichloroethene-d2	2.095	63	87190	2.788	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	55.800%#	
20) 2-Butanone-d5	3.908	46	105057	34.512	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	69.020%	
24) Chloroform-d	4.342	84	121888	4.236	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.800%	
26) 1,2-Dichloroethane-d4	5.027	65	59687	4.359	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.200%	
32) Benzene-d6	5.043	84	225221	3.891	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	77.800%	
36) 1,2-Dichloropropane-d6	6.063	67	73678	4.083	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	81.600%	
41) Toluene-d8	7.310	98	173865	3.318	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	66.400%#	
43) trans-1,3-Dichloroprop...	7.622	79	24029	3.686	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	73.800%	
46) 2-Hexanone-d5	8.088	63	117068	43.029	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	86.060%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	56675	4.595	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	91.800%	
66) 1,2-Dichlorobenzene-d4	11.622	152	81989	4.554	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	1111	0.086	ug/L #	84
3) Chloromethane	1.233	50	815	0.047	ug/L	97
5) Vinyl chloride	1.410	62	1104	0.082	ug/L	93
14) Carbon disulfide	2.281	76	1407	0.061	ug/L #	75
17) Methyl tert-butyl Ether	2.770	73	1844	0.071	ug/L #	85
22) cis-1,2-Dichloroethene	3.908	96	1696	0.123	ug/L	100
30) Cyclohexane	4.664	56	1685	0.107	ug/L #	81
33) Benzene	5.098	78	30561	0.623	ug/L	100
35) Methylcyclohexane	6.066	83	18367	1.097	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	7801	0.568	ug/L #	90
39) cis-1,3-Dichloropropene	6.982	75	1772	0.104	ug/L #	73
44) trans-1,3-Dichloropropene	7.616	75	1076	0.073	ug/L #	62
51) Chlorobenzene	8.876	112	1128717	32.908	ug/L	100
53) m,p-Xylene	9.146	106	1460	0.070	ug/L	74
61) 1,2,3-Trichloropropane	11.268	75	47505	6.171	ug/L #	47
62) 1,3,5-Trimethylbenzene	10.538	105	510	0.034	ug/L	86
64) 1,3-Dichlorobenzene	11.181	146	8142	0.304	ug/L	94
65) 1,4-Dichlorobenzene	11.268	146	129686	4.835	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	23602	0.932	ug/L	97

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ALS Vial : 16 Sample Multiplier: 1

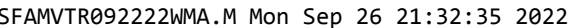
Instrument :
MSVOA_V
ClientSampleId :

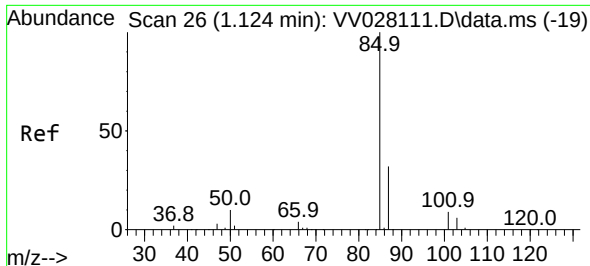
Quant Time: Sep 26 21:32:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Sep 26 21:28:54 2022
Response via : Initial Calibration

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

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

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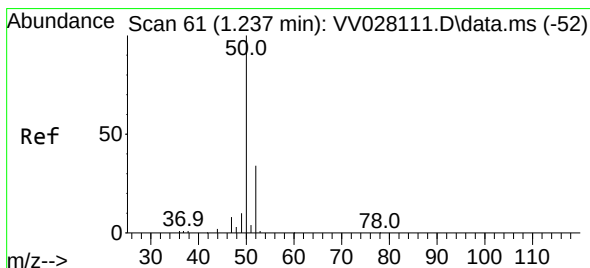
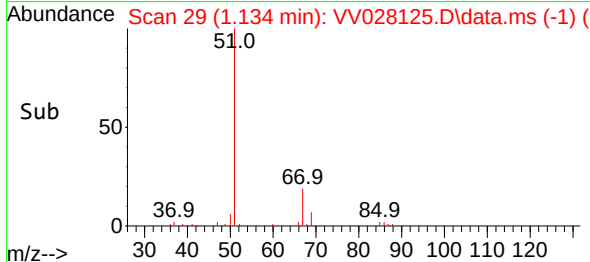
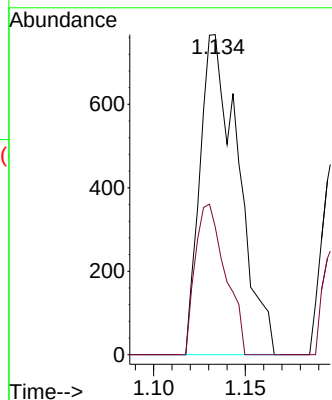
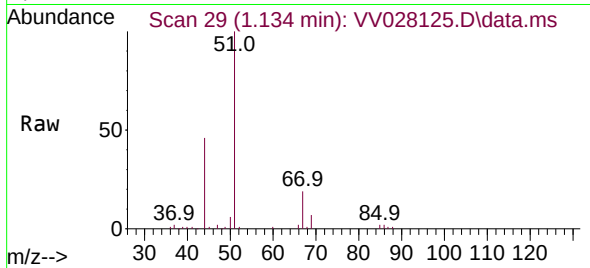




#2
 Dichlorodifluoromethane
 Concen: 0.086 ug/L
 RT: 1.134 min Scan# 24
 Delta R.T. 0.010 min
 Lab File: VV028125.D
 Acq: 26 Sep 2022 18:45

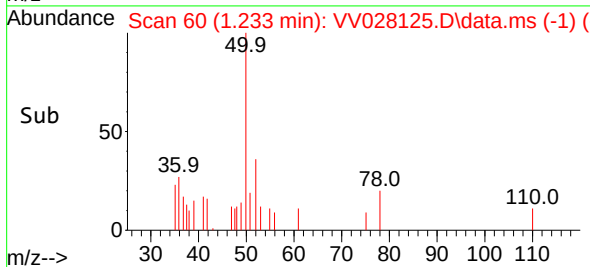
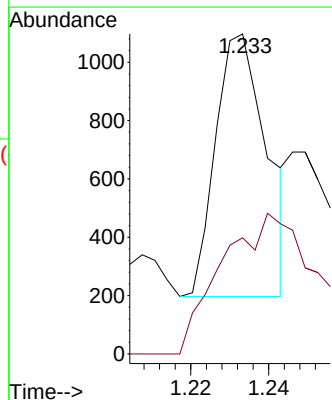
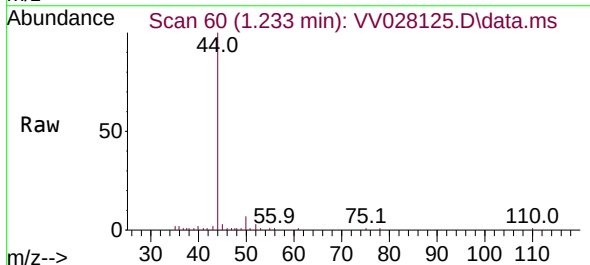
Instrument :
 MSVOA_V
 ClientSampleId :

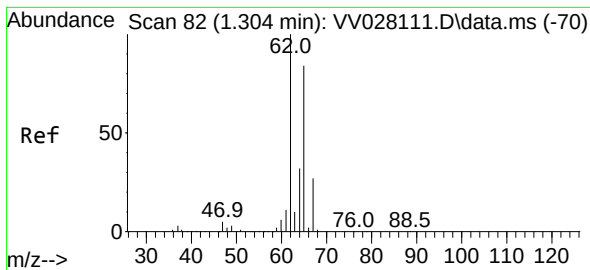
Tgt Ion: 85 Resp: 1111
 Ion Ratio Lower Upper
 85 100
 87 37.0 22.8 34.2#



#3
 Chloromethane
 Concen: 0.047 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. -0.003 min
 Lab File: VV028125.D
 Acq: 26 Sep 2022 18:45

Tgt Ion: 50 Resp: 815
 Ion Ratio Lower Upper
 50 100
 52 36.3 24.4 45.2





#5

Vinyl chloride

Concen: 0.082 ug/L

RT: 1.410 min Scan# 11

Delta R.T. 0.106 min

Lab File: VV028125.D

Acq: 26 Sep 2022 18:45

Instrument :

MSVOA_V

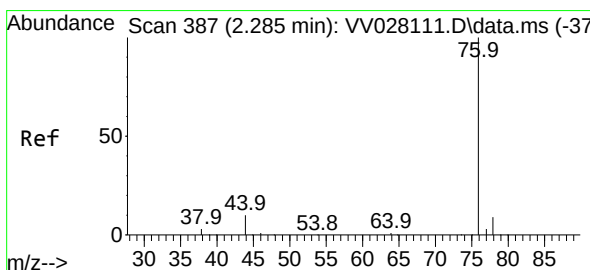
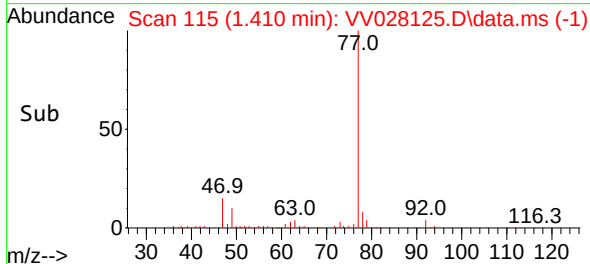
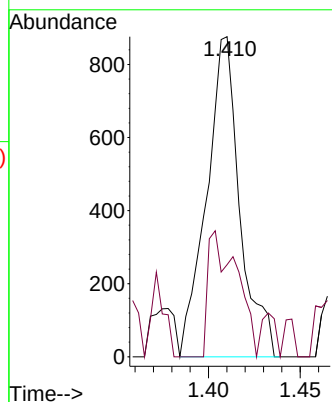
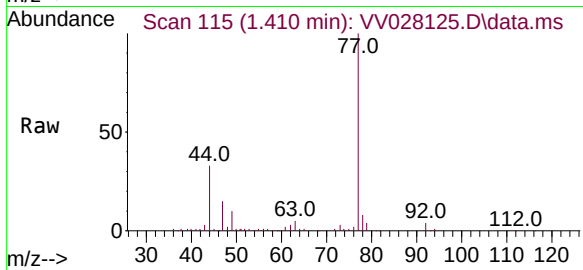
ClientSampleId :

Tgt Ion: 62 Resp: 1104

Ion Ratio Lower Upper

62 100

64 28.8 23.0 42.8



#14

Carbon disulfide

Concen: 0.061 ug/L

RT: 2.281 min Scan# 386

Delta R.T. -0.003 min

Lab File: VV028125.D

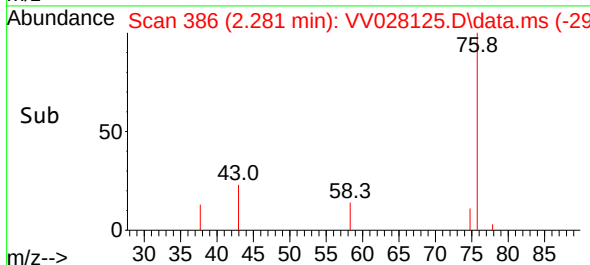
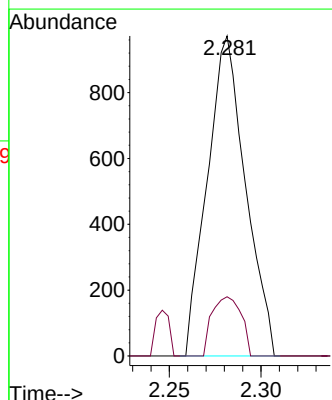
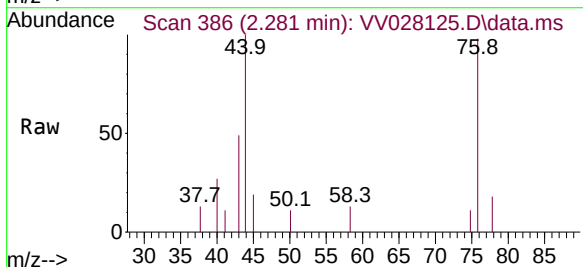
Acq: 26 Sep 2022 18:45

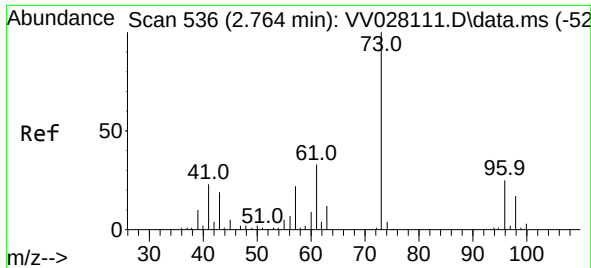
Tgt Ion: 76 Resp: 1407

Ion Ratio Lower Upper

76 100

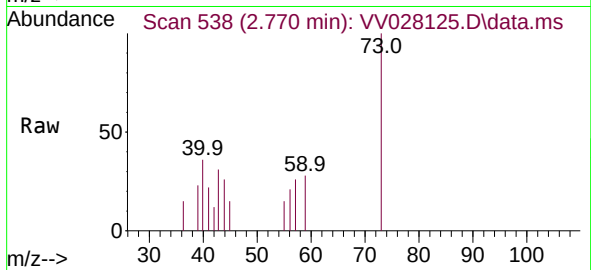
78 18.5 7.6 11.4#



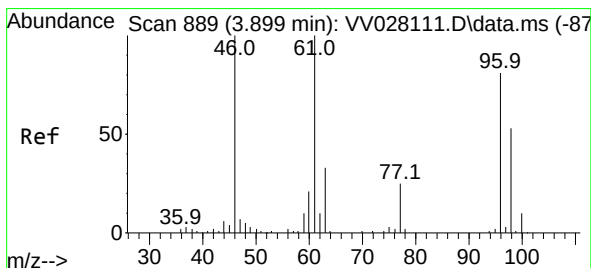
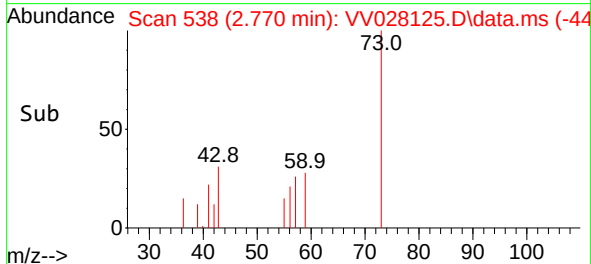
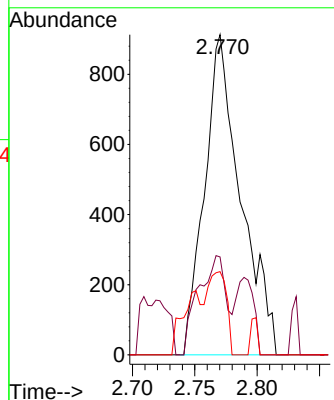


#17
Methyl tert-butyl Ether
Concen: 0.071 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

Instrument :
MSVOA_V
ClientSampleId :

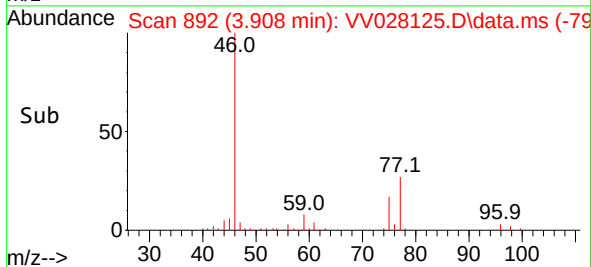
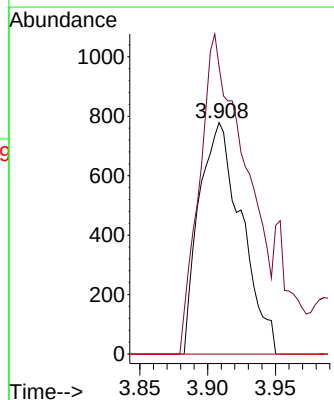
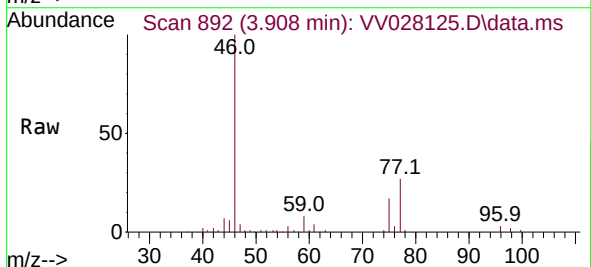


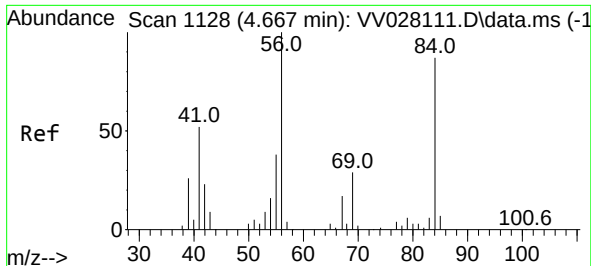
Tgt Ion: 73 Resp: 1844
Ion Ratio Lower Upper
73 100
43 23.9 15.7 23.5#
57 13.1 17.8 26.8#



#22
cis-1,2-Dichloroethene
Concen: 0.123 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.010 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

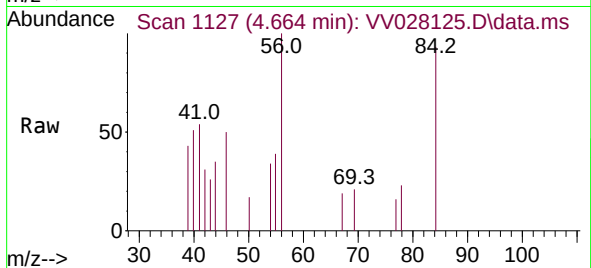
Tgt Ion: 96 Resp: 1696
Ion Ratio Lower Upper
96 100
61 124.1 87.2 161.9
68 0.0 0.0 0.0



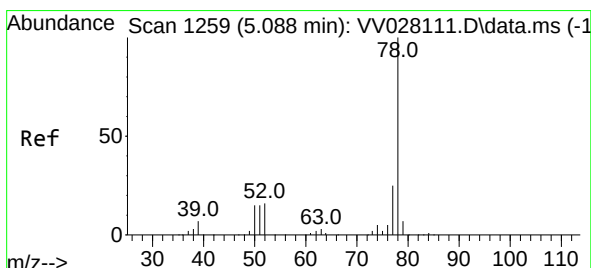
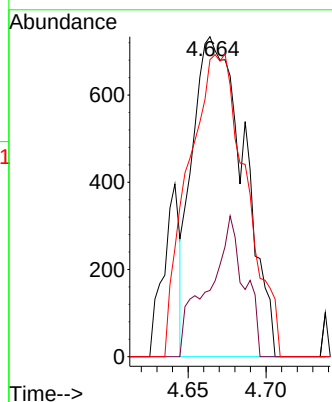
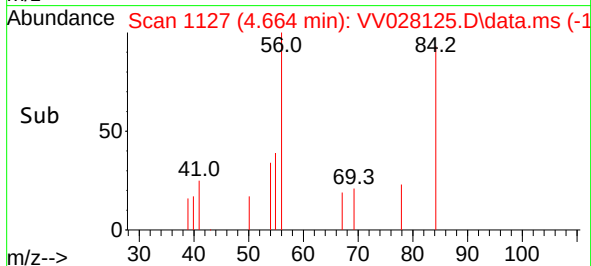


#30
Cyclohexane
Concen: 0.107 ug/L
RT: 4.664 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

Instrument :
MSVOA_V
ClientSampleId :

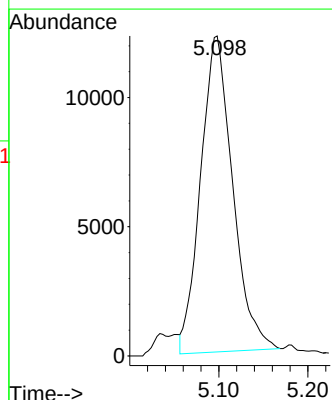
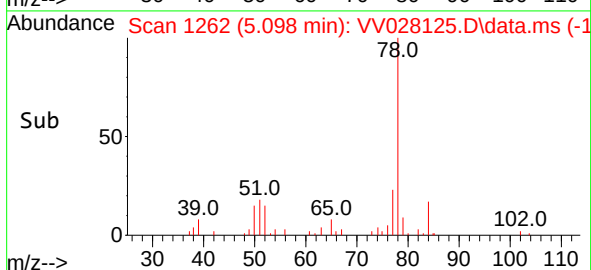
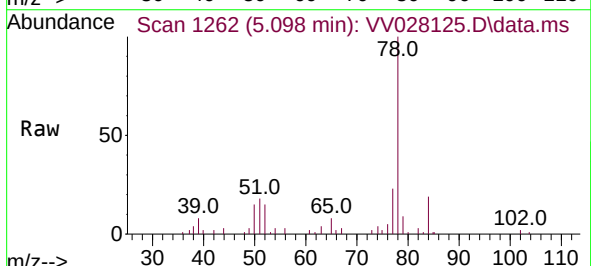


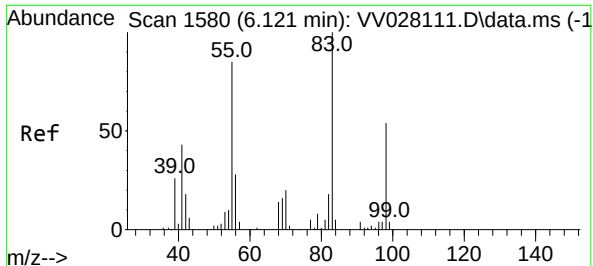
Tgt Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
69 30.9 23.7 35.5
84 106.2 67.3 100.9#



#33
Benzene
Concen: 0.623 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.010 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

Tgt Ion: 78 Resp: 30561





#35

Methylcyclohexane

Concen: 1.097 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.055 min

Lab File: VV028125.D

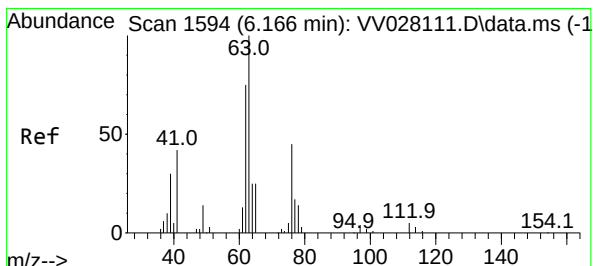
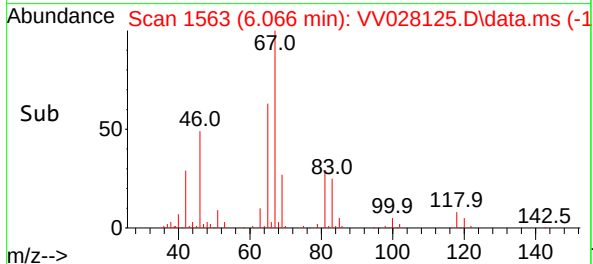
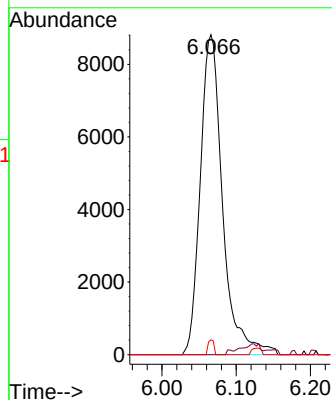
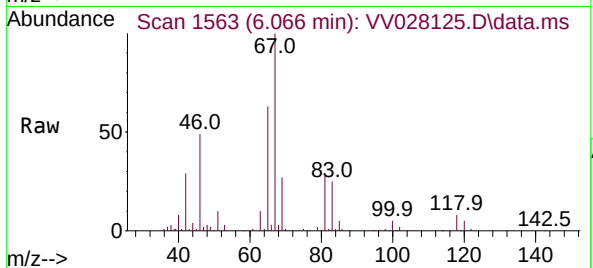
Acq: 26 Sep 2022 18:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	18367
Ion Ratio	Lower	Upper	
83	100		
55	0.4	64.7	97.1#
98	1.2	39.5	59.3#



#37

1,2-Dichloropropane

Concen: 0.568 ug/L

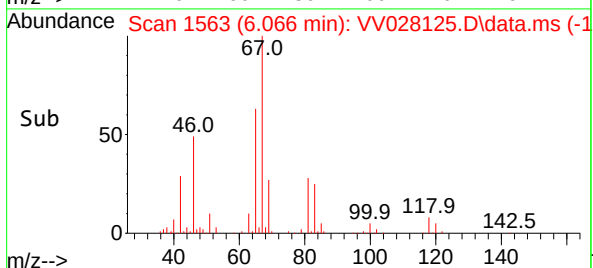
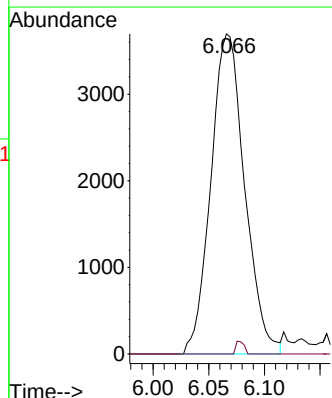
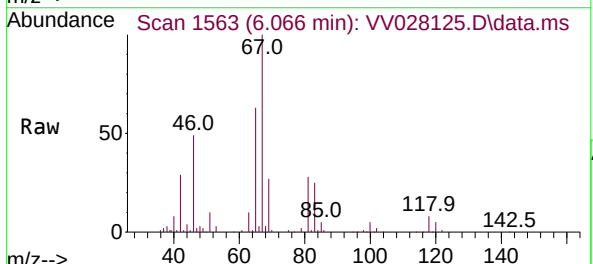
RT: 6.066 min Scan# 1563

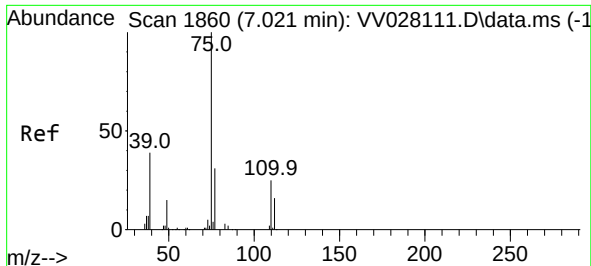
Delta R.T. -0.100 min

Lab File: VV028125.D

Acq: 26 Sep 2022 18:45

Tgt Ion:	63	Resp:	7801
Ion Ratio	Lower	Upper	
63	100		
112	1.0	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV028125.D

Acq: 26 Sep 2022 18:45

Instrument :

MSVOA_V

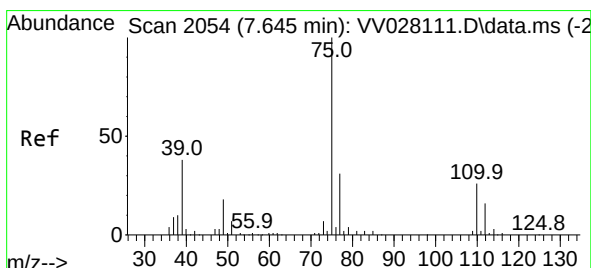
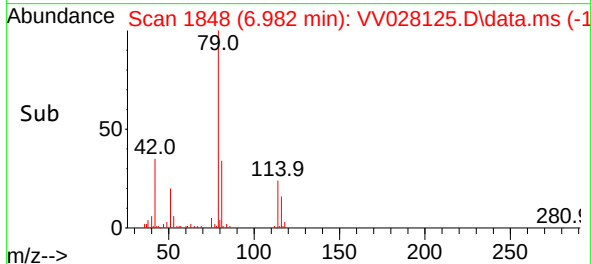
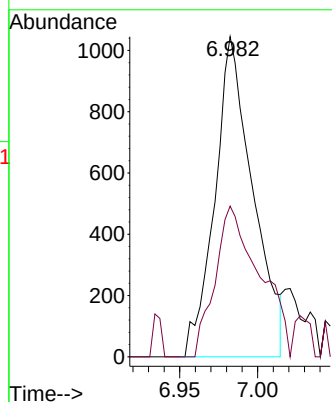
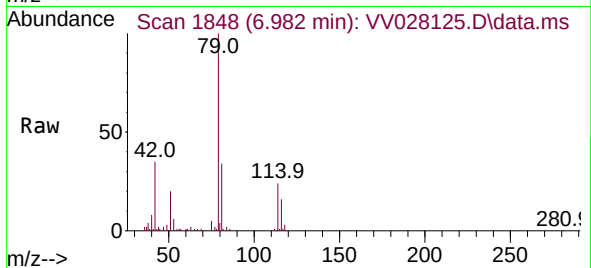
ClientSampleId :

Tgt Ion: 75 Resp: 1772

Ion Ratio Lower Upper

75 100

77 47.1 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.029 min

Lab File: VV028125.D

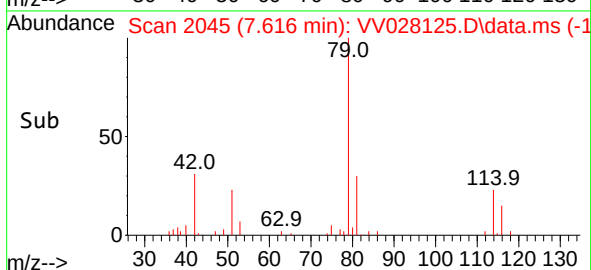
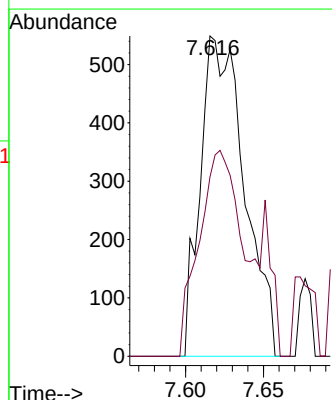
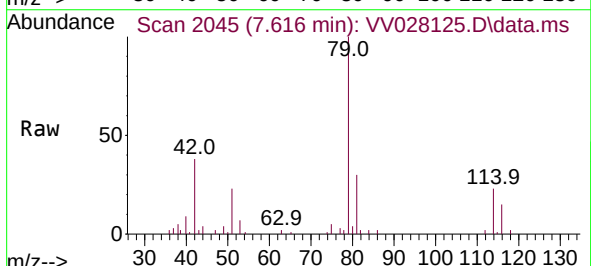
Acq: 26 Sep 2022 18:45

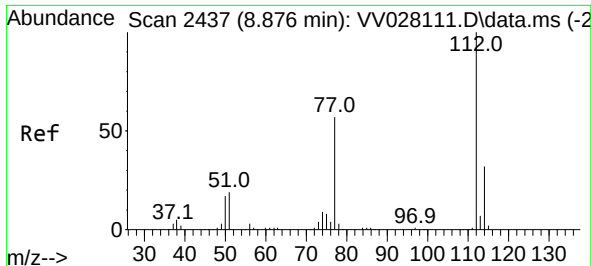
Tgt Ion: 75 Resp: 1076

Ion Ratio Lower Upper

75 100

77 55.9 23.9 44.3#

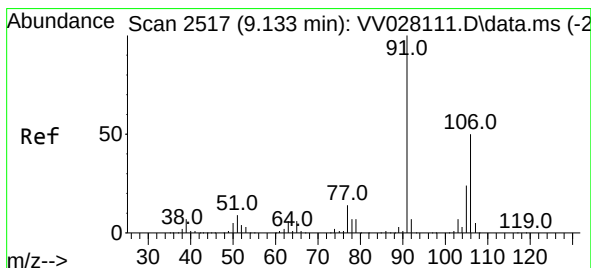
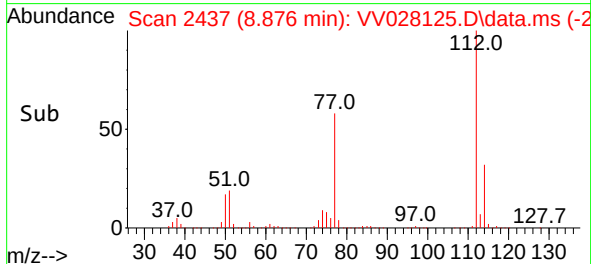
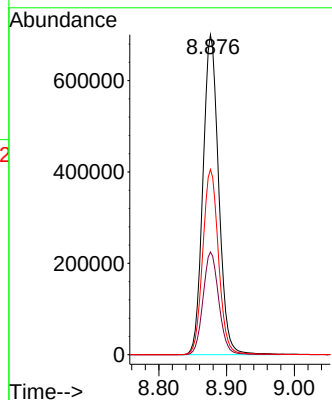
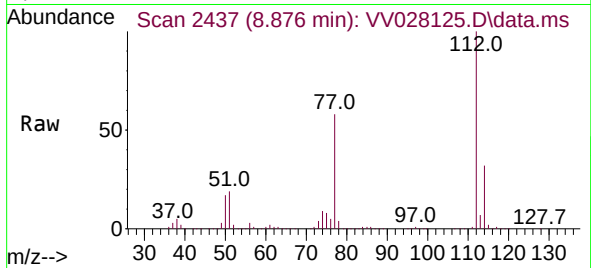




#51
Chlorobenzene
Concen: 32.908 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.000 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

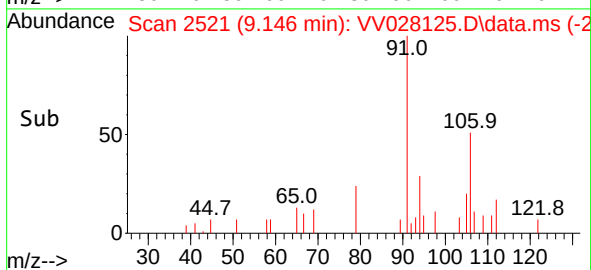
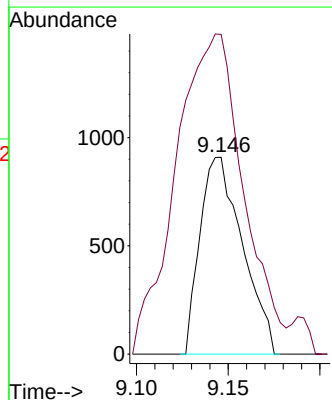
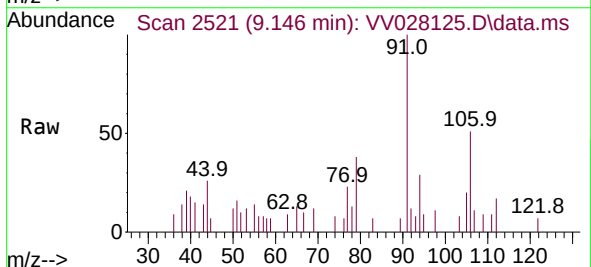
Instrument :
MSVOA_V
ClientSampleId :

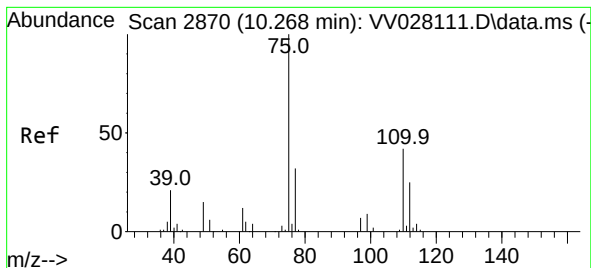
Tgt Ion:112 Resp: 1128717
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 57.9 46.1 69.1



#53
m,p-Xylene
Concen: 0.070 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.013 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

Tgt Ion:106 Resp: 1460
Ion Ratio Lower Upper
106 100
91 162.5 141.9 263.5





#61

1,2,3-Trichloropropane

Concen: 6.171 ug/L

RT: 11.268 min Scan# 311

Delta R.T. 1.000 min

Lab File: VV028125.D

Acq: 26 Sep 2022 18:45

Instrument :

MSVOA_V

ClientSampleId :

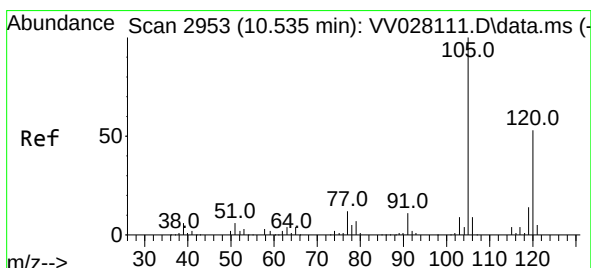
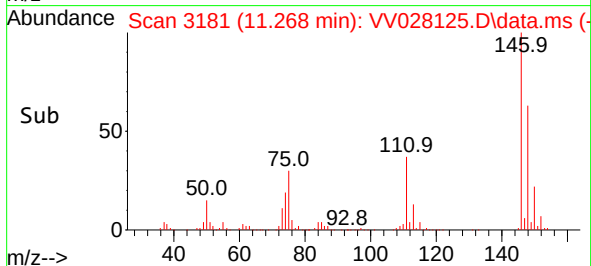
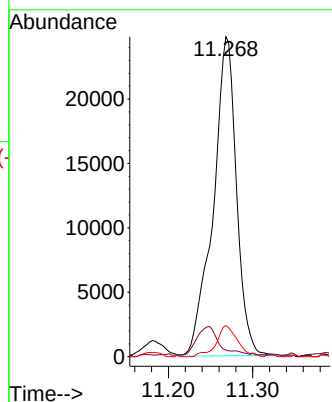
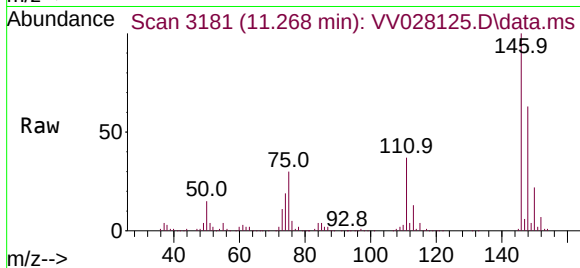
Tgt Ion: 75 Resp: 47505

Ion Ratio Lower Upper

75 100

77 0.0 26.7 40.1#

110 8.8 30.1 45.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.034 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV028125.D

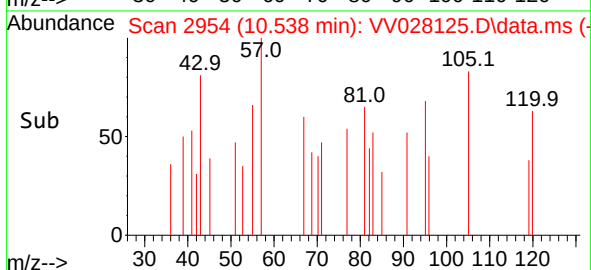
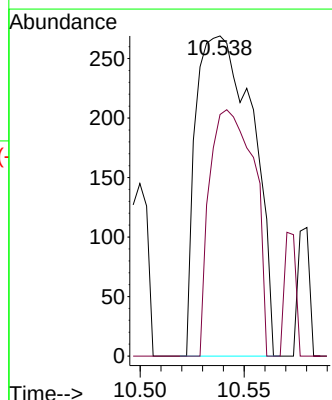
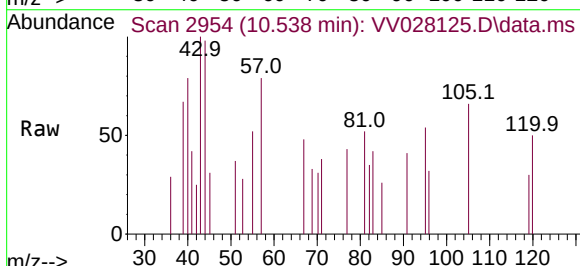
Acq: 26 Sep 2022 18:45

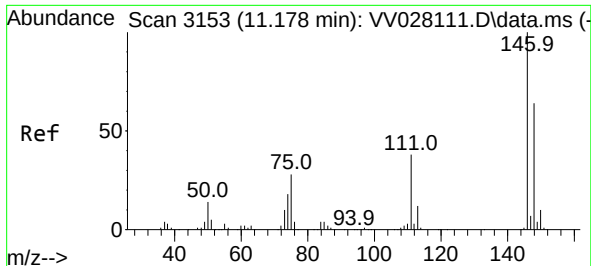
Tgt Ion: 105 Resp: 510

Ion Ratio Lower Upper

105 100

120 60.2 40.6 61.0

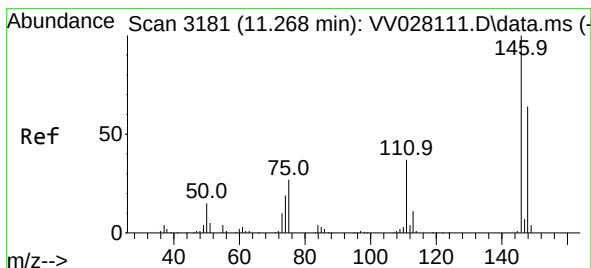
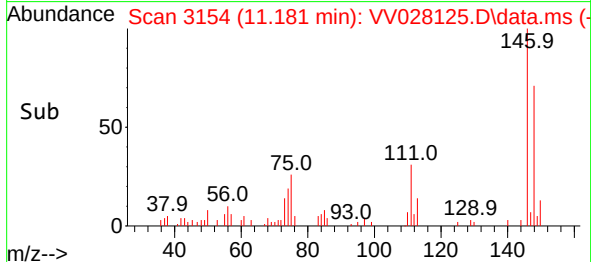
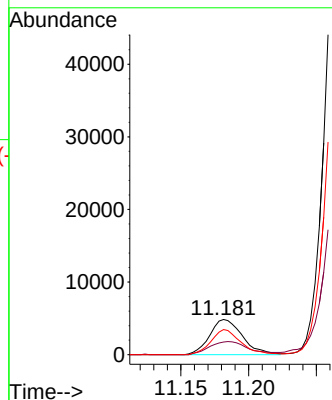
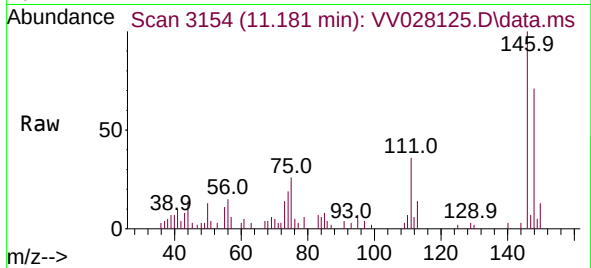




#64
1,3-Dichlorobenzene
Concen: 0.304 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

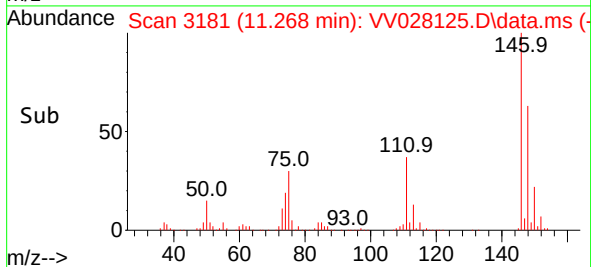
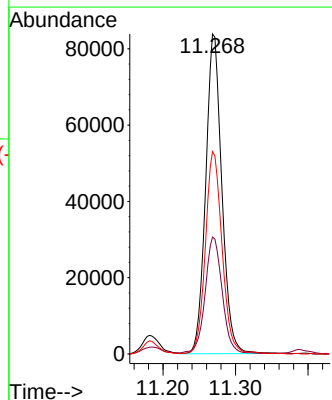
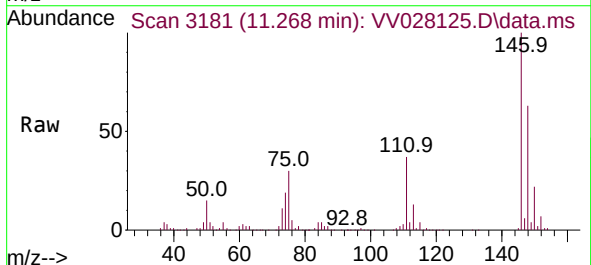
Instrument :
MSVOA_V
ClientSampleId :

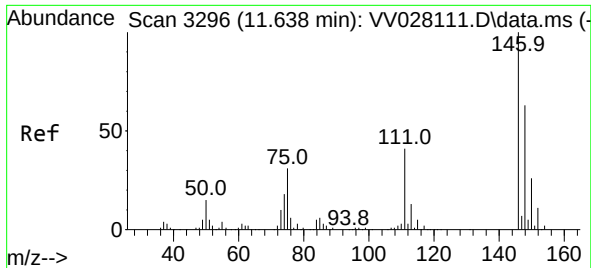
Tgt Ion:146 Resp: 8142
Ion Ratio Lower Upper
146 100
111 36.1 27.1 50.3
148 71.2 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 4.835 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VV028125.D
Acq: 26 Sep 2022 18:45

Tgt Ion:146 Resp: 129686
Ion Ratio Lower Upper
146 100
111 36.5 26.2 48.8
148 63.2 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 0.932 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.000 min

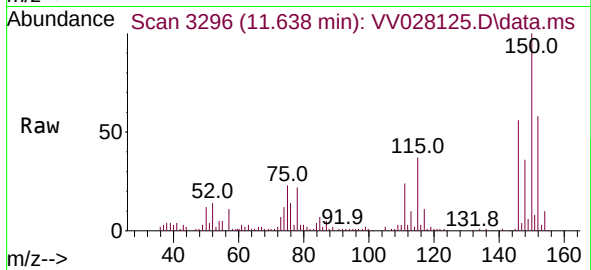
Lab File: VV028125.D

Acq: 26 Sep 2022 18:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 23602

Ion Ratio Lower Upper

146 100

111 43.7 32.6 49.0

148 64.3 50.1 75.1

