

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082522\
 Data File : VV027496.D
 Acq On : 25 Aug 2022 15:46
 Operator : SY/MD
 Sample : N4370-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 26 00:59:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 26 00:58:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	128834	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	130065	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	57945	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	31401	3.425	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	68.400%	
7) Chloroethane-d5	1.564	69	35949	5.357	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	107.200%	
11) 1,1-Dichloroethene-d2	2.105	63	64693	3.026	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	60.600%	
20) 2-Butanone-d5	3.892	46	63978	56.067	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	112.140%	
24) Chloroform-d	4.339	84	74314	4.053	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.000%	
26) 1,2-Dichloroethane-d4	5.027	65	35010	4.414	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.200%	
32) Benzene-d6	5.043	84	131540	3.651	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	73.000%	
36) 1,2-Dichloropropane-d6	6.063	67	41882	3.999	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	80.000%	
41) Toluene-d8	7.310	98	106873	3.285	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	65.800%#	
43) trans-1,3-Dichloroprop...	7.622	79	12851	3.583	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	71.600%	
46) 2-Hexanone-d5	8.088	63	45532	38.570	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	77.140%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	27554	4.131	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	82.600%	
66) 1,2-Dichlorobenzene-d4	11.622	152	35614	4.146	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	83.000%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	954	0.079	ug/L #	12
6) Bromomethane	1.519	94	405	0.068	ug/L	98
8) Chloroethane	1.465	64	53879	7.672	ug/L #	50
12) 1,1-Dichloroethene	2.114	96	1138	0.117	ug/L #	1
13) Acetone	2.179	43	4228	3.880	ug/L	90
14) Carbon disulfide	2.291	76	2828	0.106	ug/L #	93
17) Methyl tert-butyl Ether	2.767	73	1268	0.063	ug/L #	75
18) trans-1,2-Dichloroethene	2.757	96	685	0.068	ug/L	85
22) cis-1,2-Dichloroethene	3.905	96	9908	0.926	ug/L	97
33) Benzene	5.095	78	2568	0.059	ug/L	100
34) Trichloroethene	5.912	95	19803	1.740	ug/L	88
47) Tetrachloroethene	7.973	164	3198	0.361	ug/L	94
49) Dibromochloromethane	7.976	129	3220	0.355	ug/L #	9
53) m,p-Xylene	9.143	106	936	0.054	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	6848	1.347	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.918	105	1159	0.110	ug/L	89
71) Naphthalene	13.506	128	1359	0.097	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 26 00:58:54 2022
Response via : Initial Calibration

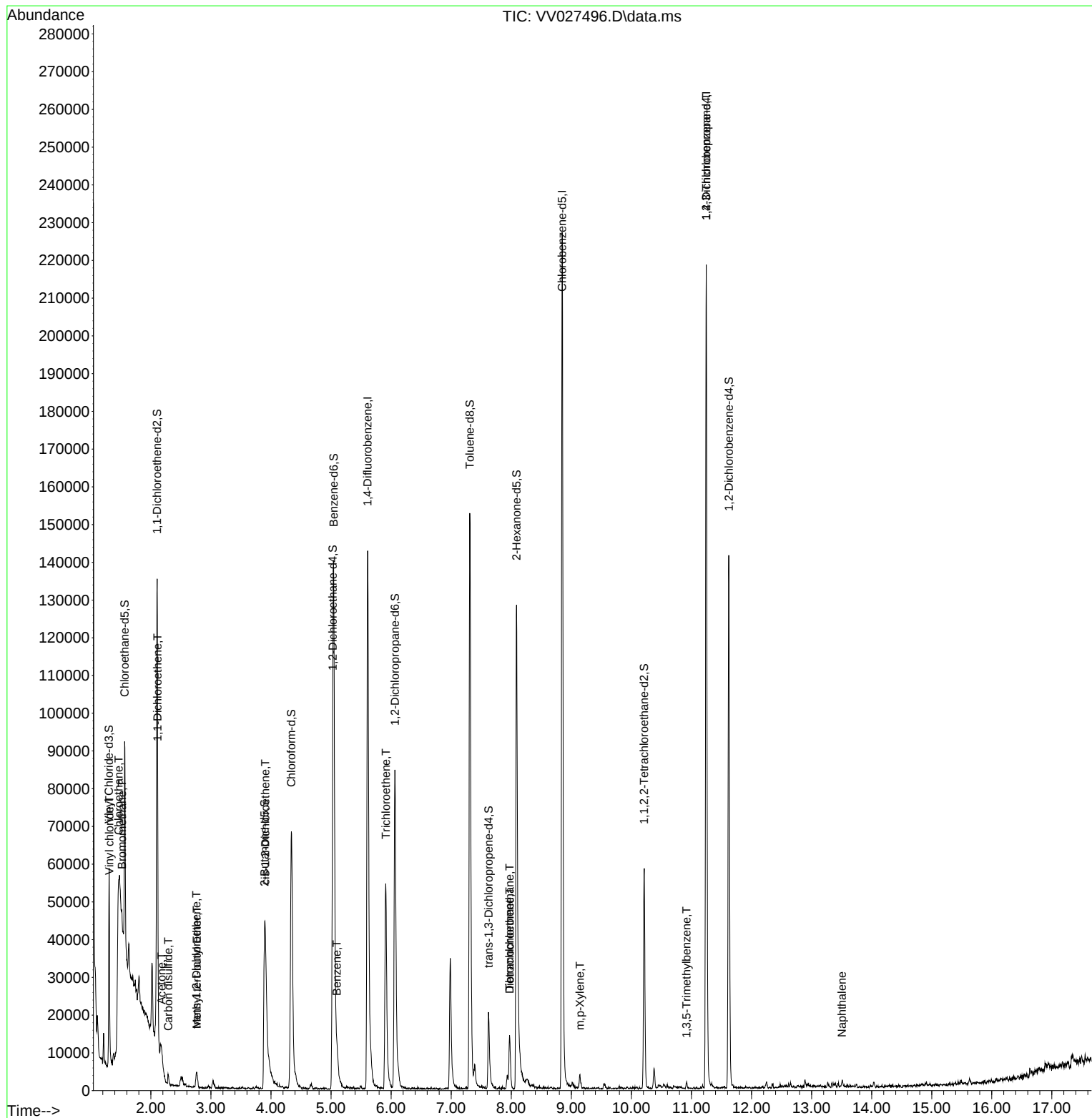
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

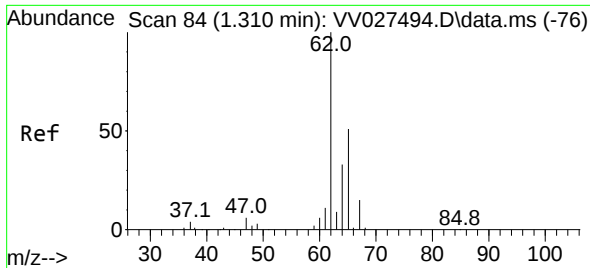
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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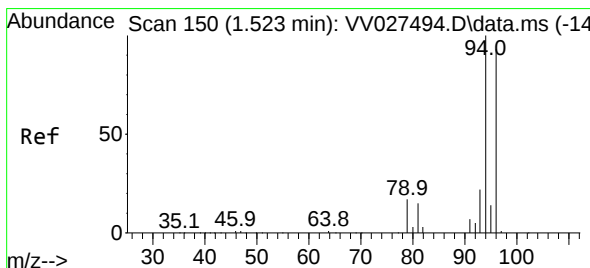
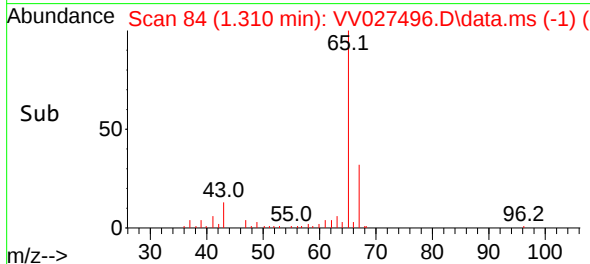
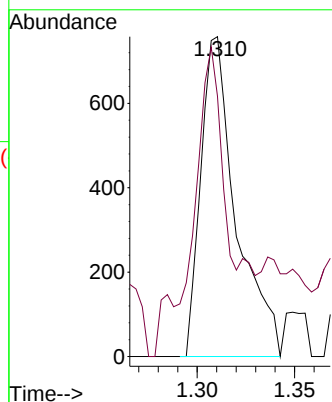
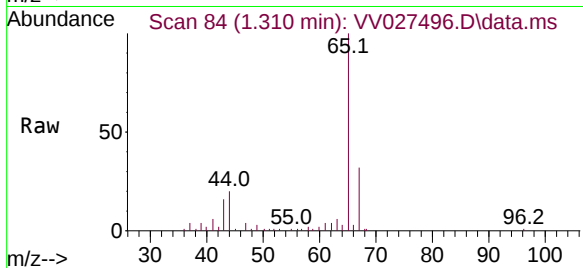




#5
 Vinyl chloride
 Concen: 0.079 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV027496.D
 Acq: 25 Aug 2022 15:46

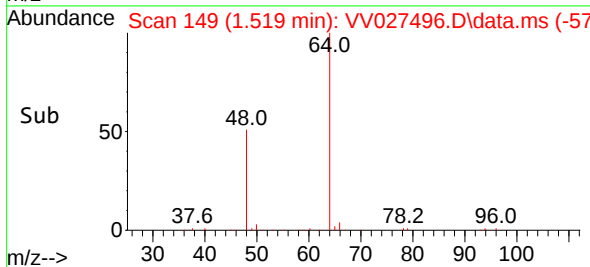
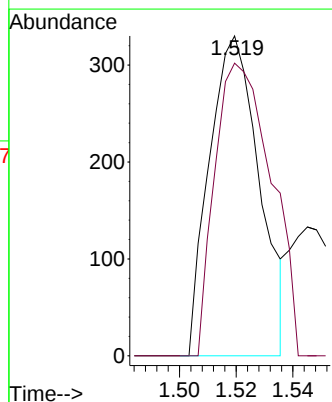
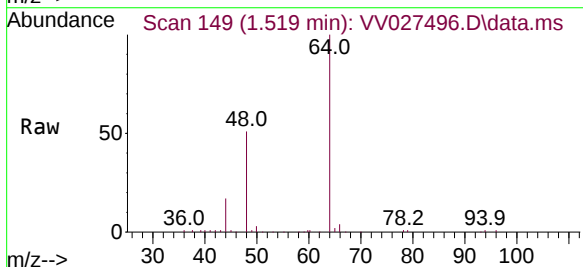
Instrument :
 MSVOA_V
 ClientSampleId :

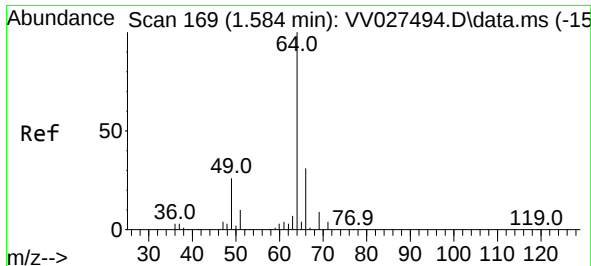
Tgt Ion: 62 Resp: 954
 Ion Ratio Lower Upper
 62 100
 64 81.4 22.6 42.0#



#6
 Bromomethane
 Concen: 0.068 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV027496.D
 Acq: 25 Aug 2022 15:46

Tgt Ion: 94 Resp: 405
 Ion Ratio Lower Upper
 94 100
 96 91.5 65.2 121.0

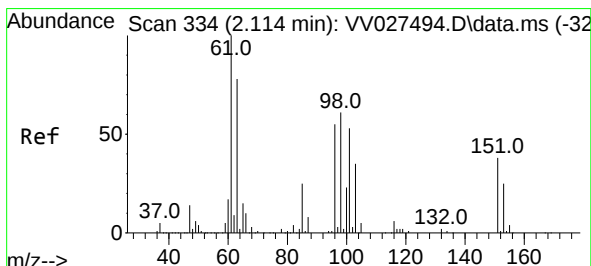
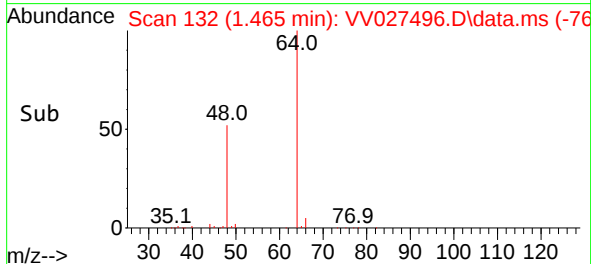
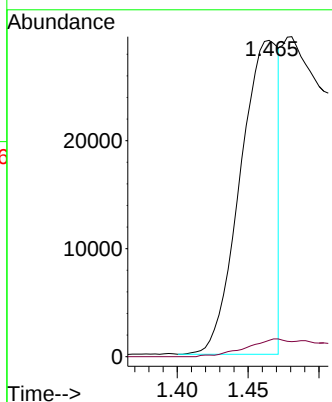
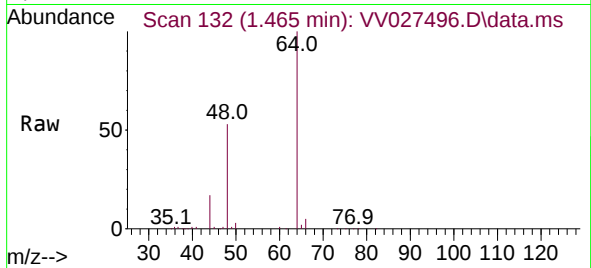




#8
Chloroethane
Concen: 7.672 ug/L
RT: 1.465 min Scan# 11
Delta R.T. -0.119 min
Lab File: VV027496.D
Acq: 25 Aug 2022 15:46

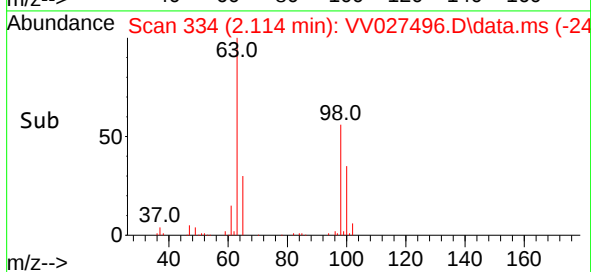
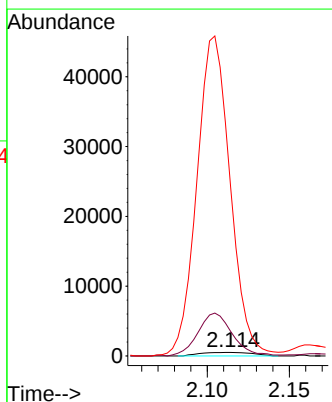
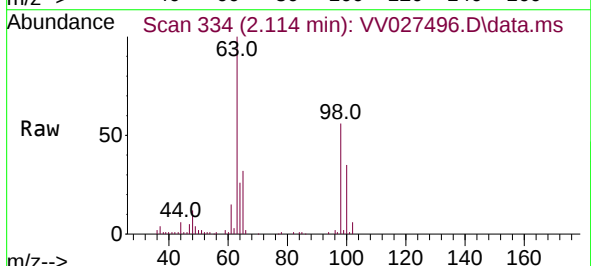
Instrument :
MSVOA_V
ClientSampleId :

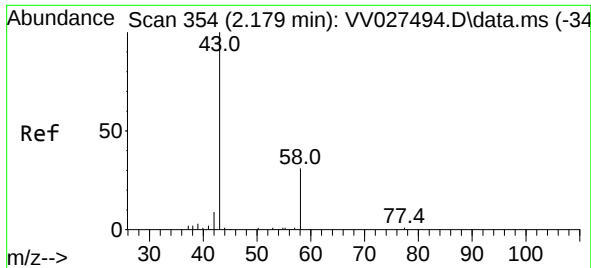
Tgt Ion: 64 Resp: 53879
Ion Ratio Lower Upper
64 100
66 5.2 23.3 43.3#



#12
1,1-Dichloroethene
Concen: 0.117 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV027496.D
Acq: 25 Aug 2022 15:46

Tgt Ion: 96 Resp: 1138
Ion Ratio Lower Upper
96 100
61 690.4 130.2 241.8#
63 4737.1 87.4 162.4#





#13

Acetone

Concen: 3.880 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV027496.D

Acq: 25 Aug 2022 15:46

Instrument :

MSVOA_V

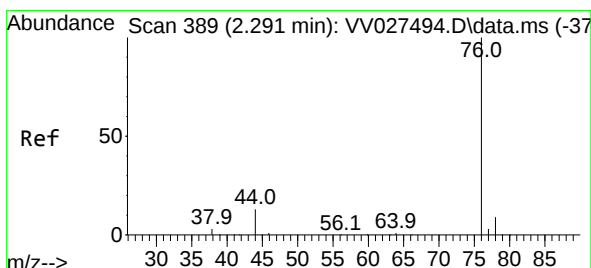
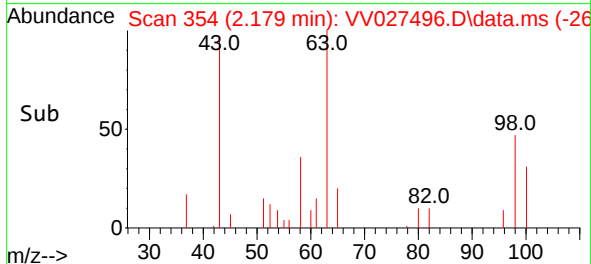
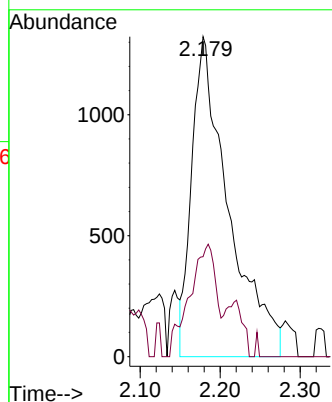
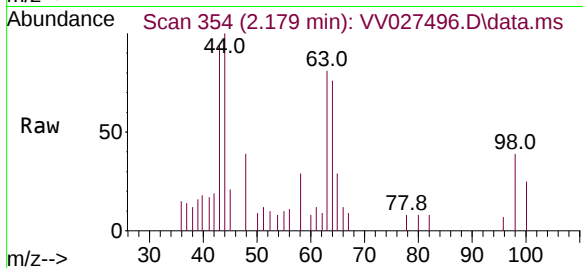
ClientSampleId :

Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

43 100

58 25.4 0.0 62.2



#14

Carbon disulfide

Concen: 0.106 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV027496.D

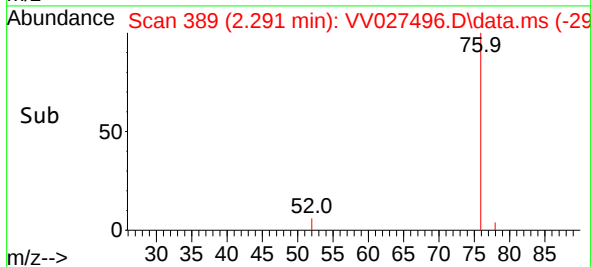
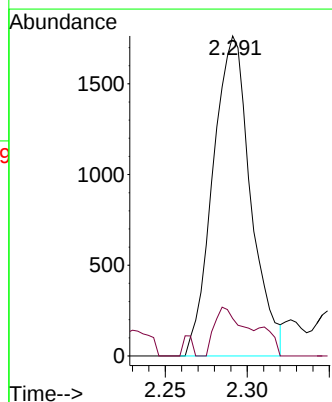
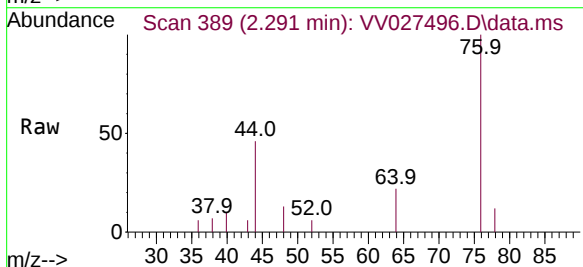
Acq: 25 Aug 2022 15:46

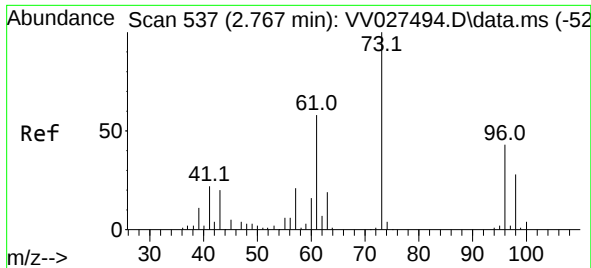
Tgt Ion: 76 Resp: 2828

Ion Ratio Lower Upper

76 100

78 11.7 7.3 10.9#

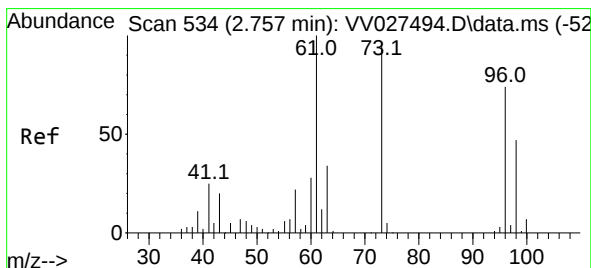
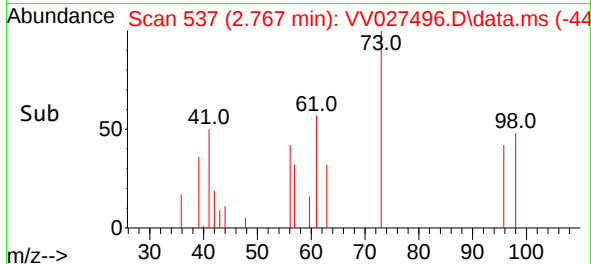
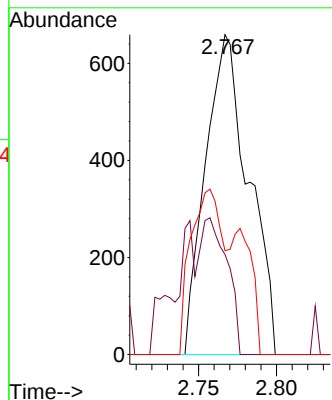
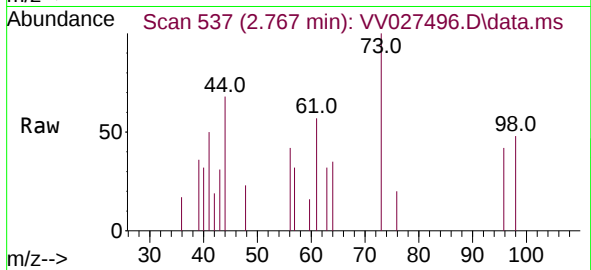




#17
Methyl tert-butyl Ether
Concen: 0.063 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027496.D
Acq: 25 Aug 2022 15:46

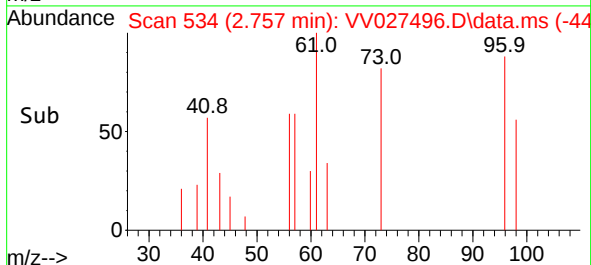
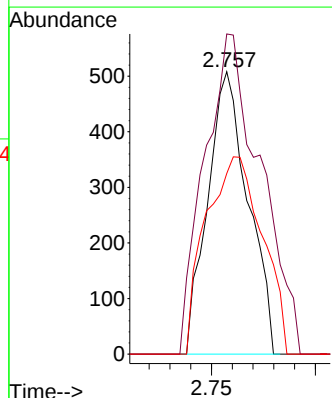
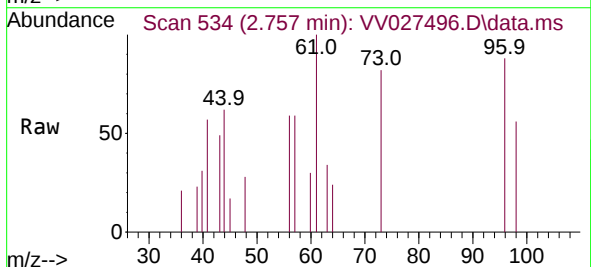
Instrument :
MSVOA_V
ClientSampleId :

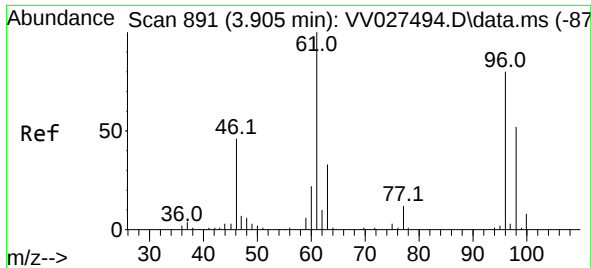
Tgt Ion: 73 Resp: 1268
Ion Ratio Lower Upper
73 100
43 26.8 15.6 23.4#
57 37.2 17.0 25.6#



#18
trans-1,2-Dichloroethene
Concen: 0.068 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.000 min
Lab File: VV027496.D
Acq: 25 Aug 2022 15:46

Tgt Ion: 96 Resp: 685
Ion Ratio Lower Upper
96 100
61 113.4 97.6 181.4
98 64.0 45.9 85.3





#22

cis-1,2-Dichloroethene

Concen: 0.926 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV027496.D

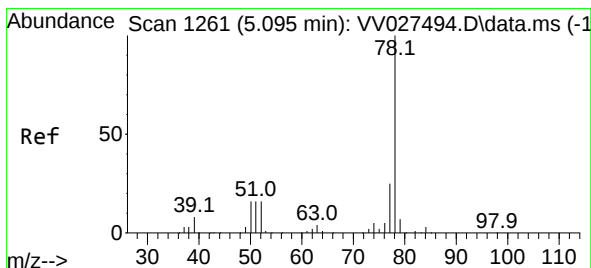
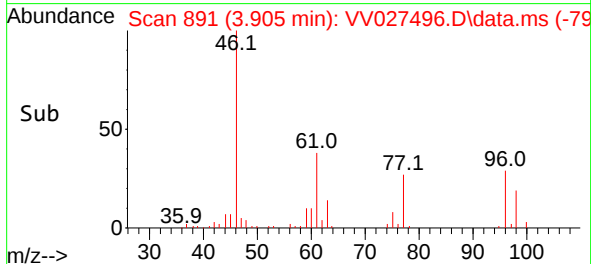
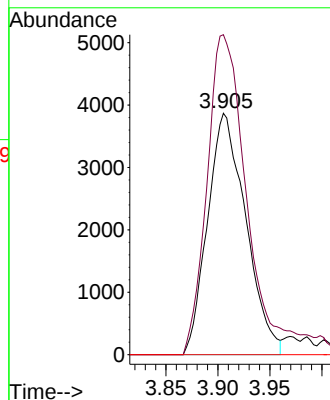
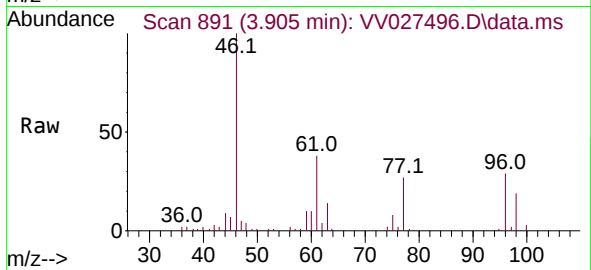
Acq: 25 Aug 2022 15:46

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	96	Resp:	9908
Ion	Ratio	Lower	Upper
96	100		
61	132.5	90.6	168.2
68	0.0	0.0	0.0



#33

Benzene

Concen: 0.059 ug/L

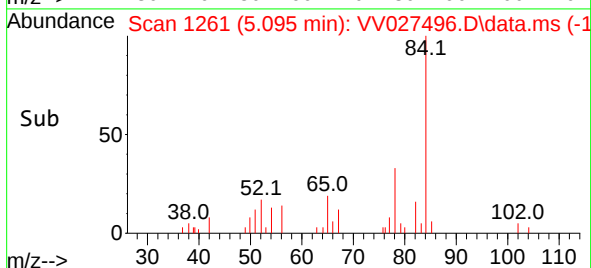
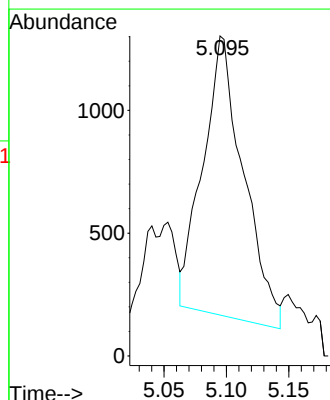
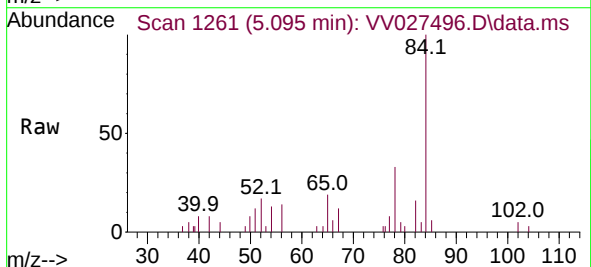
RT: 5.095 min Scan# 1261

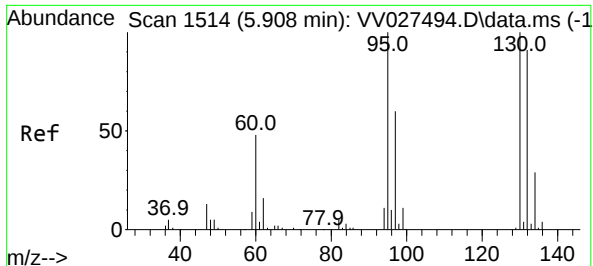
Delta R.T. -0.000 min

Lab File: VV027496.D

Acq: 25 Aug 2022 15:46

Tgt Ion: 78 Resp: 2568





#34

Trichloroethene

Concen: 1.740 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.003 min

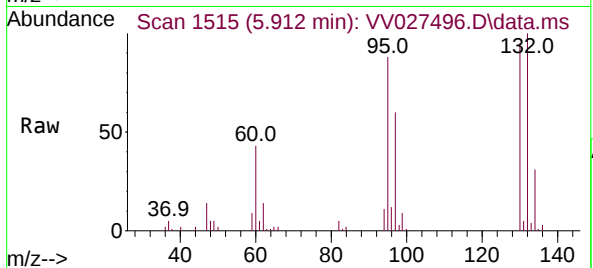
Lab File: VV027496.D

Acq: 25 Aug 2022 15:46

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 19803

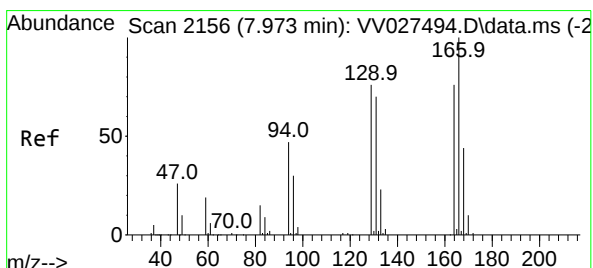
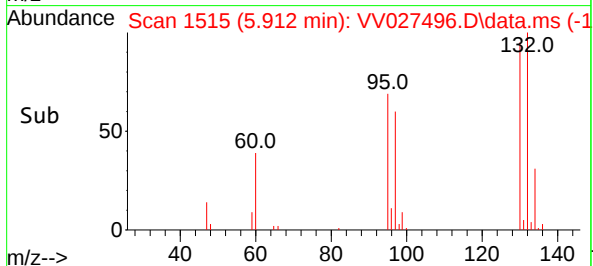
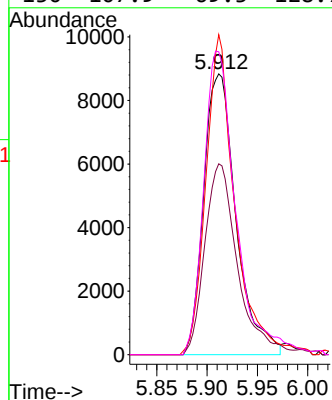
Ion Ratio Lower Upper

95 100

97 68.0 45.0 83.6

132 114.0 65.7 121.9

130 107.9 69.3 128.7



#47

Tetrachloroethene

Concen: 0.361 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027496.D

Acq: 25 Aug 2022 15:46

Tgt Ion: 164 Resp: 3198

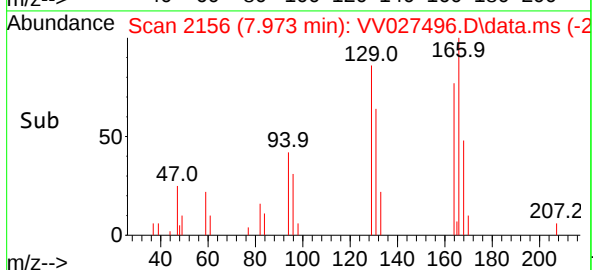
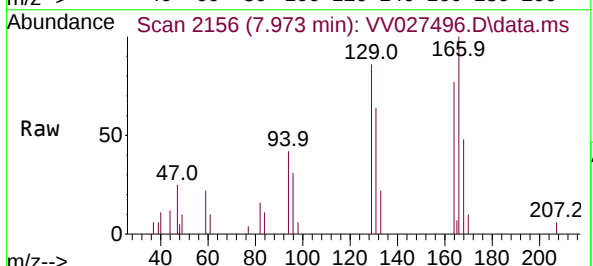
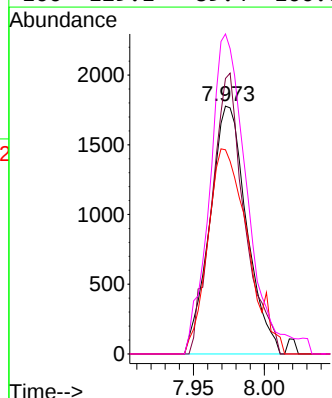
Ion Ratio Lower Upper

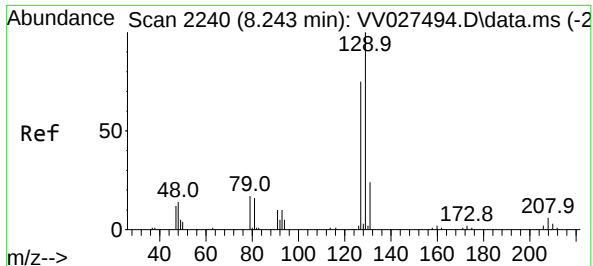
164 100

129 111.1 71.1 132.1

131 82.3 64.5 119.9

166 129.1 89.4 166.0





#49

Dibromochloromethane

Concen: 0.355 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV027496.D

Acq: 25 Aug 2022 15:46

Instrument :

MSVOA_V

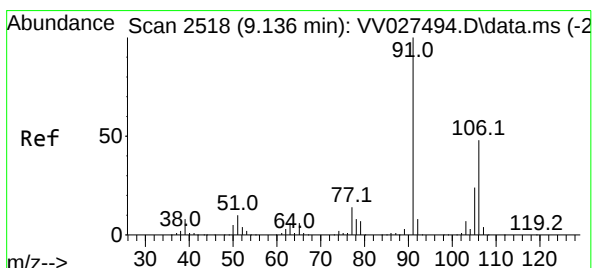
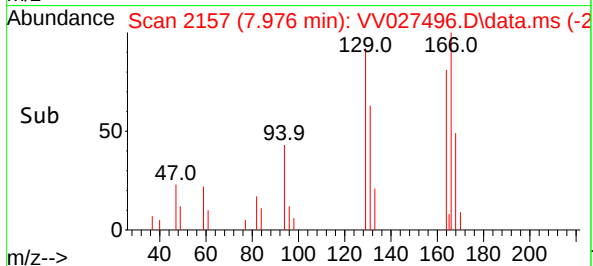
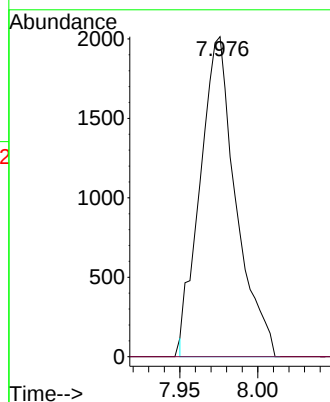
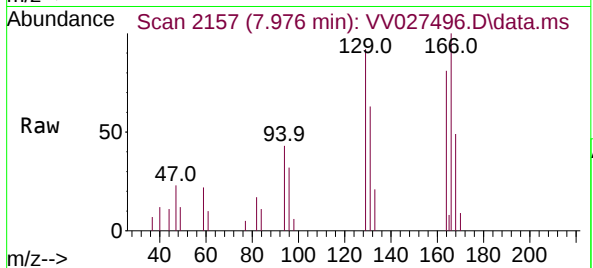
ClientSampleId :

Tgt Ion:129 Resp: 3220

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#53

m,p-Xylene

Concen: 0.054 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV027496.D

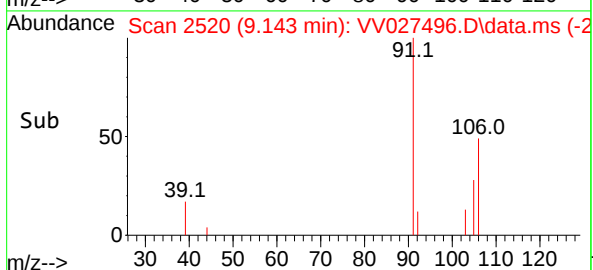
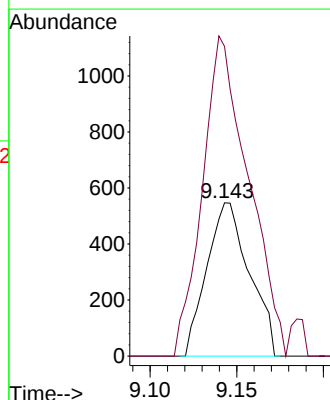
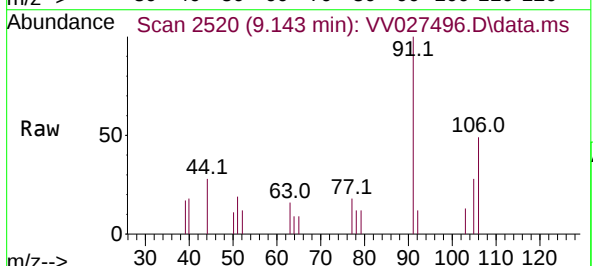
Acq: 25 Aug 2022 15:46

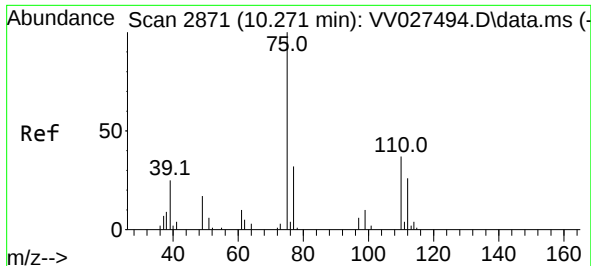
Tgt Ion:106 Resp: 936

Ion Ratio Lower Upper

106 100

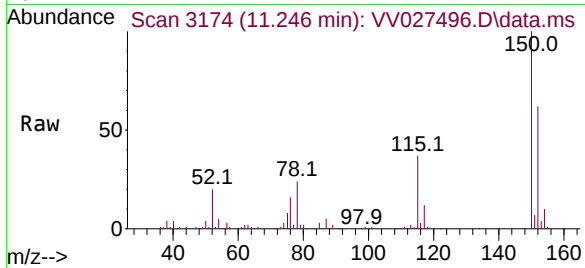
91 202.2 143.8 267.0



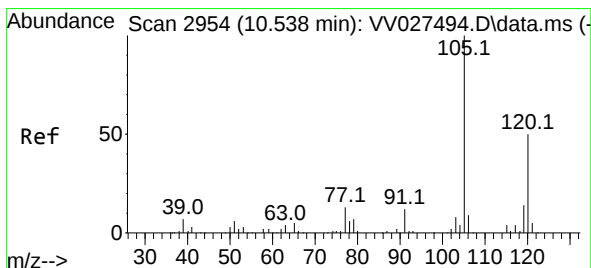
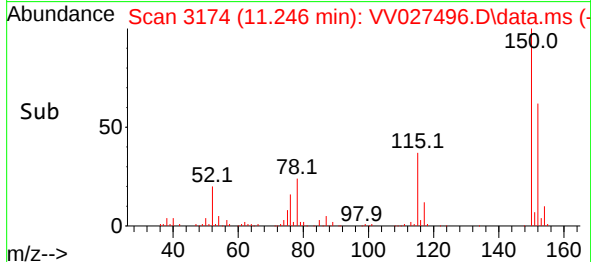
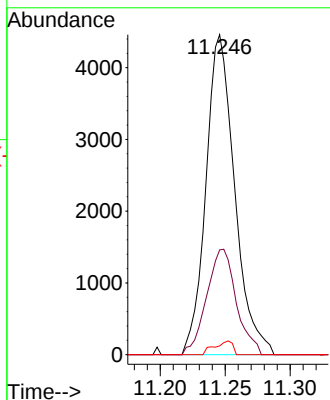


#61
 1,2,3-Trichloropropane
 Concen: 1.347 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV027496.D
 Acq: 25 Aug 2022 15:46

Instrument :
 MSVOA_V
 ClientSampleId :

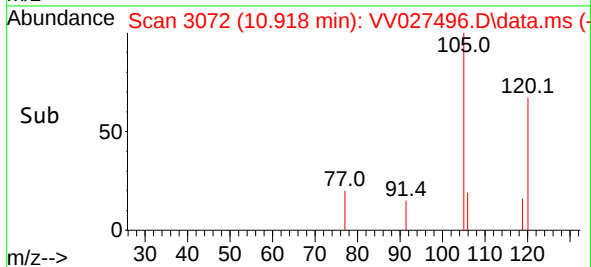
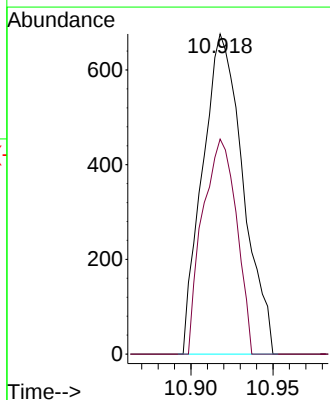
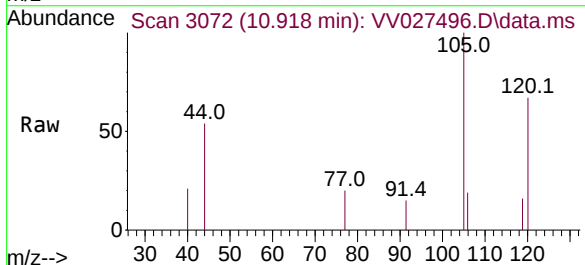


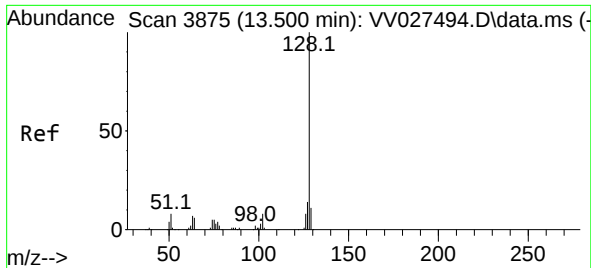
Tgt Ion: 75 Resp: 6848
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.2 39.2
 110 2.7 29.9 44.9#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.110 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.379 min
 Lab File: VV027496.D
 Acq: 25 Aug 2022 15:46

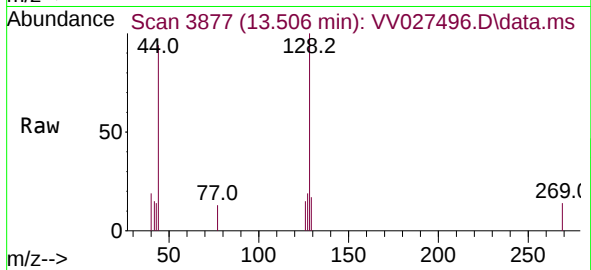
Tgt Ion: 105 Resp: 1159
 Ion Ratio Lower Upper
 105 100
 120 56.1 38.7 58.1





#71
Naphthalene
Concen: 0.097 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV027496.D
Acq: 25 Aug 2022 15:46

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	1359
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.7	13.1
127	11.6	10.4	15.6

