

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121622\
 Data File : VW029697.D
 Acq On : 16 Dec 2022 14:59
 Operator : SY/MD
 Sample : N6034-21
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 20:18:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 16 20:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	237598	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	217080	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	111900	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52528	3.592	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.800%
7) Chloroethane-d5	1.564	69	50646	4.732	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.105	63	73464	3.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.800%
20) 2-Butanone-d5	3.902	46	149368	61.065	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.140%
24) Chloroform-d	4.339	84	122248	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.027	65	57065	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.043	84	248510	4.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.063	67	79988	4.745	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.310	98	214345	3.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	7.616	79	26464	4.072	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.085	63	134056	57.861	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.720%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	61096	5.873	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	88606	4.533	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	28914	1.780	ug/L	98
6) Bromomethane	1.523	94	903	0.089	ug/L	96
8) Chloroethane	1.580	64	788	0.082	ug/L #	73
12) 1,1-Dichloroethene	2.114	96	4383	0.359	ug/L #	1
13) Acetone	2.201	43	14625	8.223	ug/L	92
15) Methyl Acetate	2.201	43	13472	2.636	ug/L #	51
17) Methyl tert-butyl Ether	2.767	73	4117	0.132	ug/L #	91
22) cis-1,2-Dichloroethene	3.905	96	2707	0.169	ug/L	90
25) Chloroform	4.371	83	17908	0.680	ug/L	87
34) Trichloroethene	5.915	95	3587	0.217	ug/L	97
35) Methylcyclohexane	6.063	83	19176	0.686	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	8266	0.540	ug/L #	85
47) Tetrachloroethene	7.969	164	12104	0.892	ug/L	95
49) Dibromochloromethane	7.969	129	10456	0.898	ug/L #	11
61) 1,2,3-Trichloropropane	11.236	75	12614	1.625	ug/L #	64
71) Naphthalene	13.500	128	2241	0.115	ug/L #	92

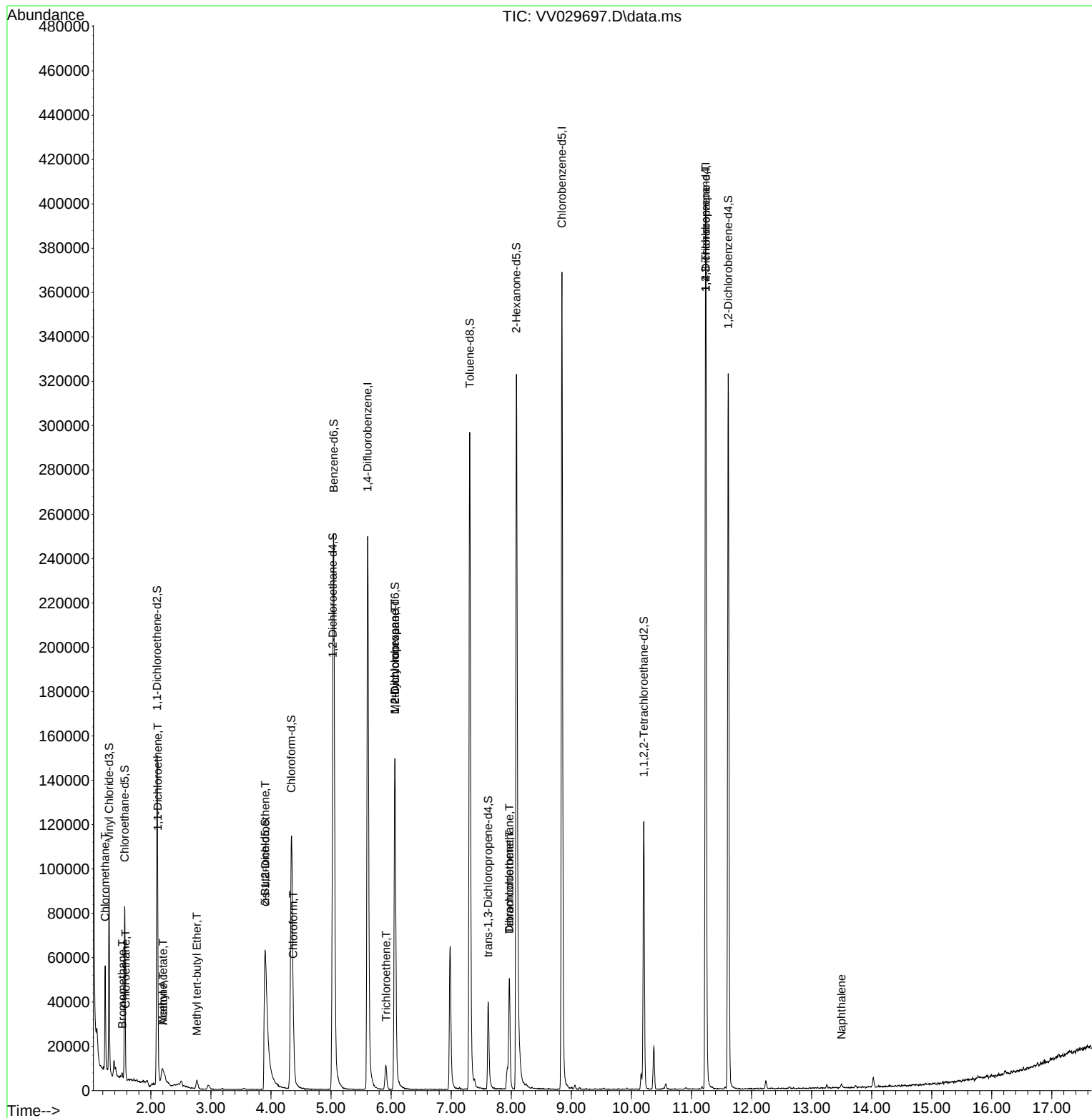
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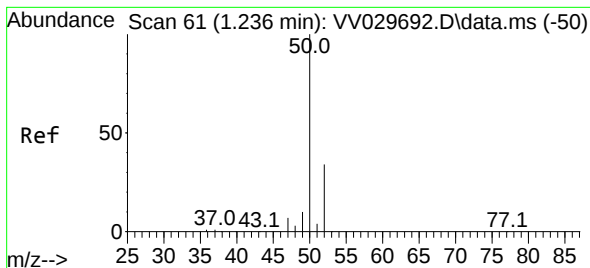
Instrument :
MSVOA_V
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 16 20:17:28 2022
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.780 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV029697.D

Acq: 16 Dec 2022 14:59

Instrument :

MSVOA_V

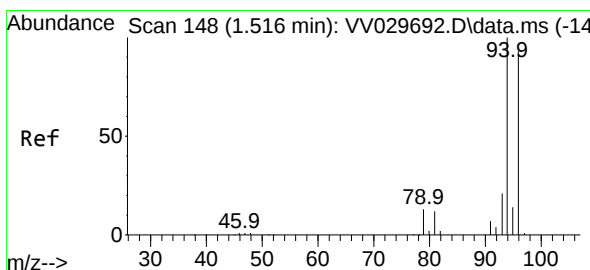
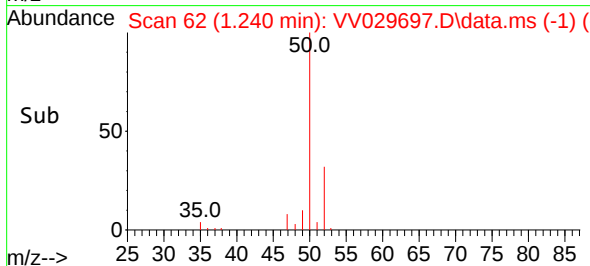
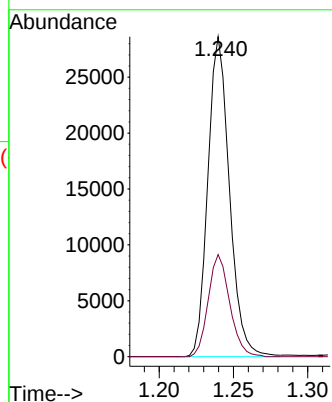
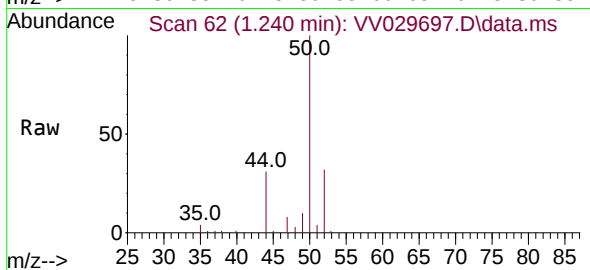
ClientSampleId :

Tgt Ion: 50 Resp: 28914

Ion Ratio Lower Upper

50 100

52 31.9 23.2 43.2



#6

Bromomethane

Concen: 0.089 ug/L

RT: 1.523 min Scan# 150

Delta R.T. 0.007 min

Lab File: VV029697.D

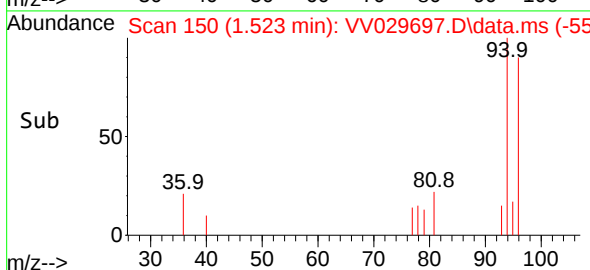
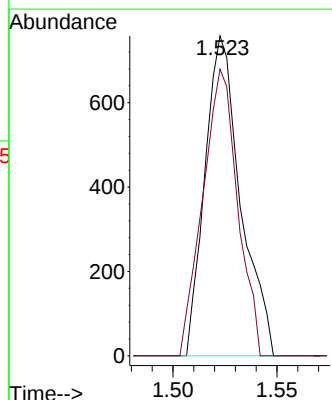
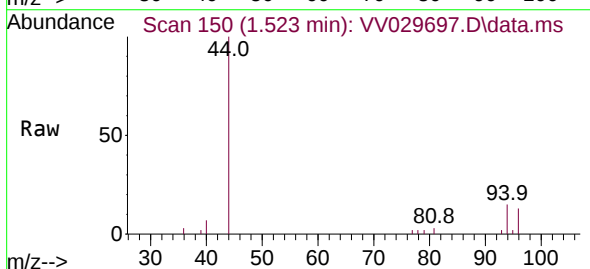
Acq: 16 Dec 2022 14:59

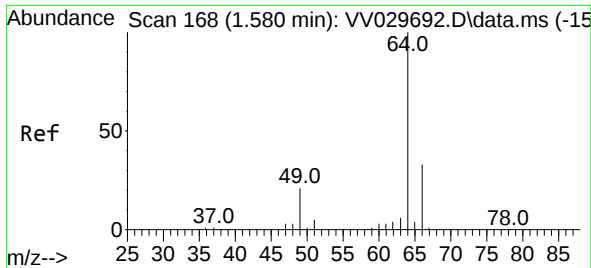
Tgt Ion: 94 Resp: 903

Ion Ratio Lower Upper

94 100

96 89.6 65.4 121.4

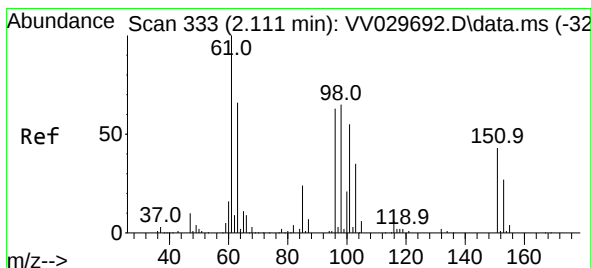
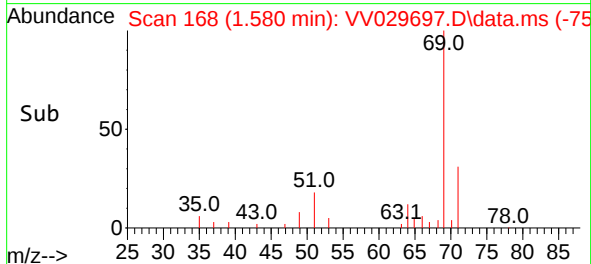
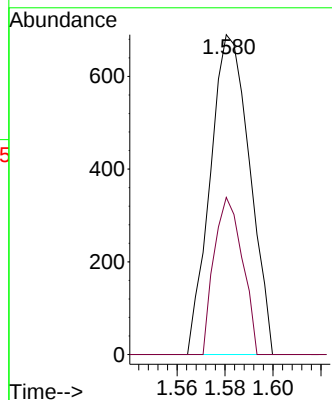
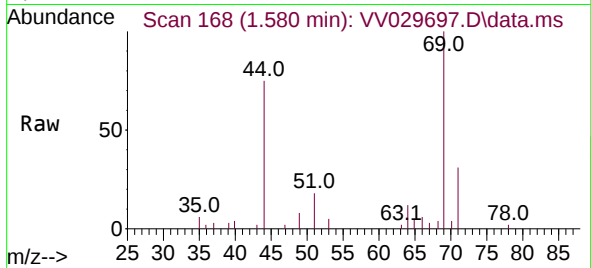




#8
Chloroethane
Concen: 0.082 ug/L
RT: 1.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

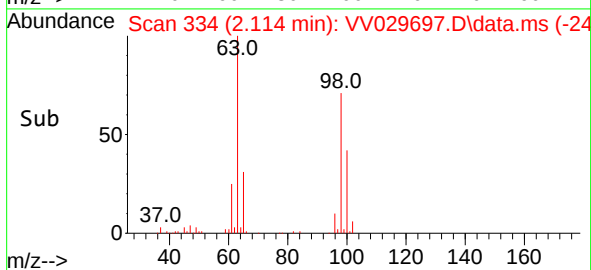
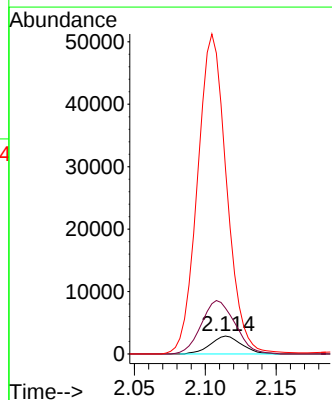
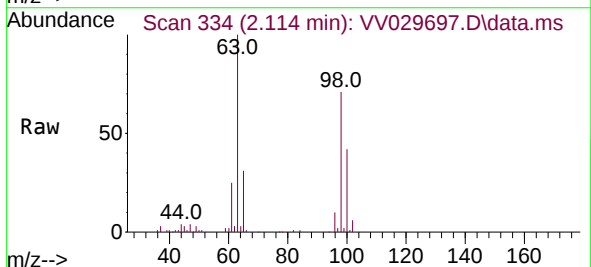
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MSVOA_V
ClientSampleId :

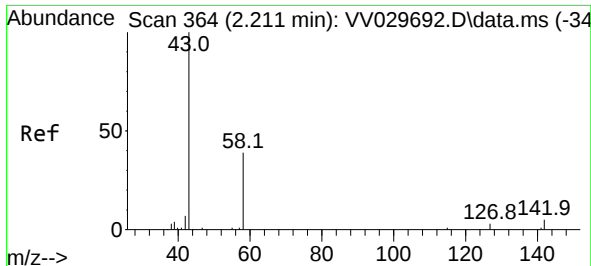
Tgt Ion: 64 Resp: 788
Ion Ratio Lower Upper
64 100
66 49.1 23.5 43.7#



#12
1,1-Dichloroethene
Concen: 0.359 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Tgt Ion: 96 Resp: 4383
Ion Ratio Lower Upper
96 100
61 255.3 110.3 204.9#
63 1035.3 84.4 156.8#

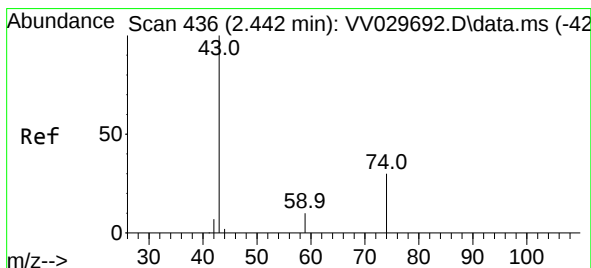
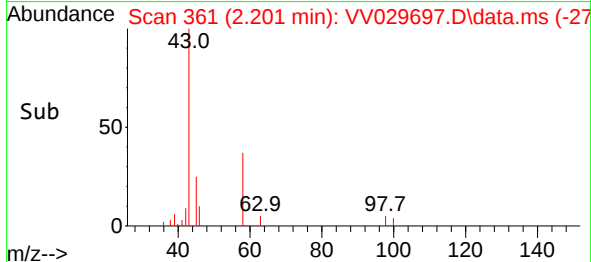
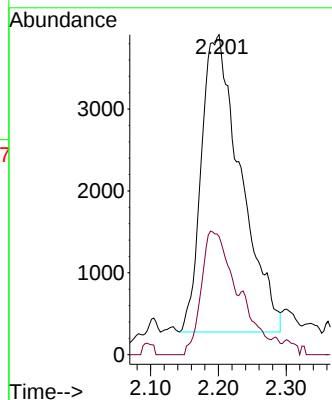
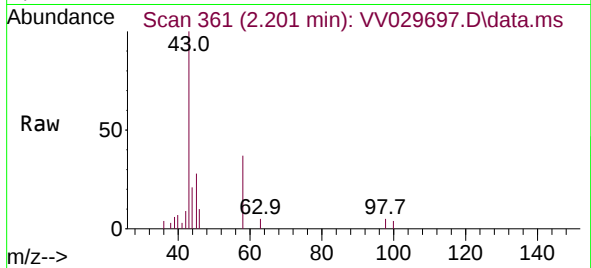




#13
Acetone
Concen: 8.223 ug/L
RT: 2.201 min Scan# 361
Delta R.T. -0.010 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

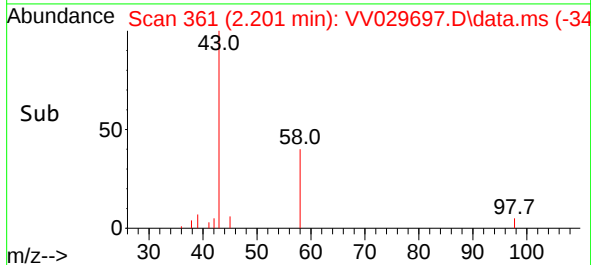
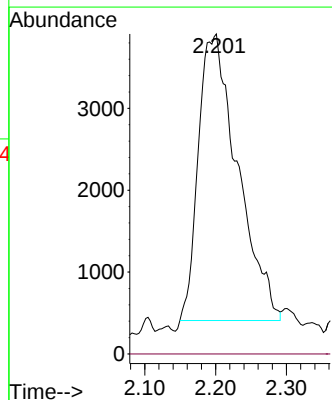
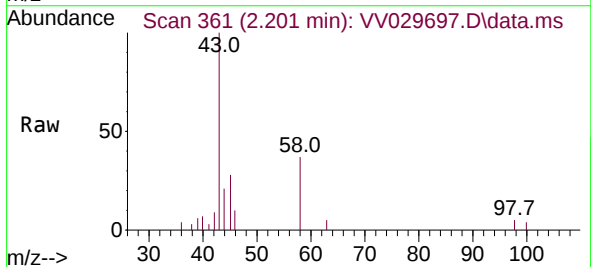
Instrument :
MSVOA_V
ClientSampleId :

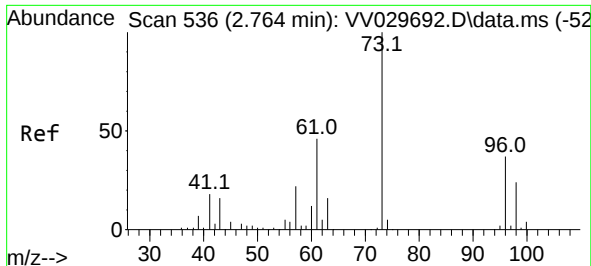
Tgt Ion: 43 Resp: 14625
Ion Ratio Lower Upper
43 100
58 30.7 0.0 70.8



#15
Methyl Acetate
Concen: 2.636 ug/L
RT: 2.201 min Scan# 361
Delta R.T. -0.241 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

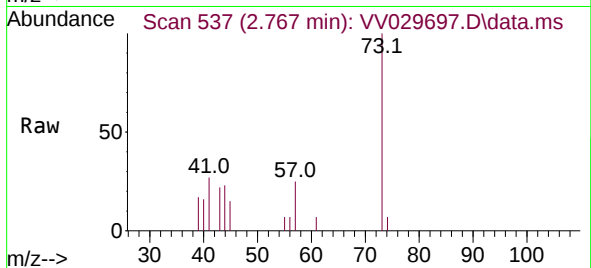
Tgt Ion: 43 Resp: 13472
Ion Ratio Lower Upper
43 100
74 0.0 19.6 29.4#



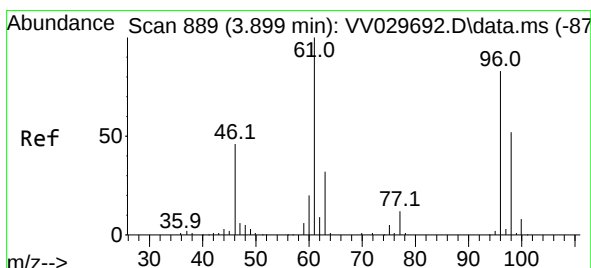
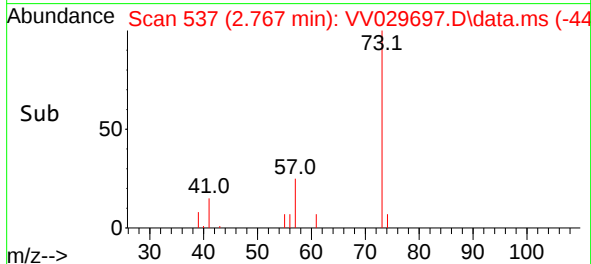
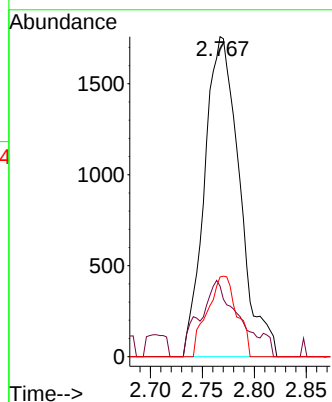


#17
Methyl tert-butyl Ether
Concen: 0.132 ug/L
RT: 2.767 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Instrument :
MSVOA_V
ClientSampleId :

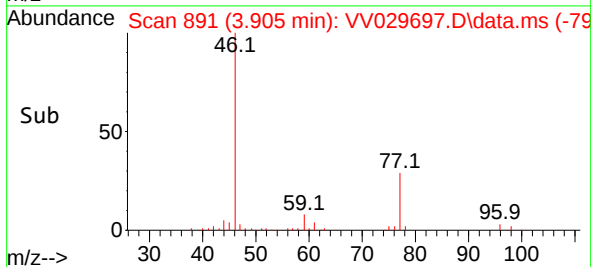
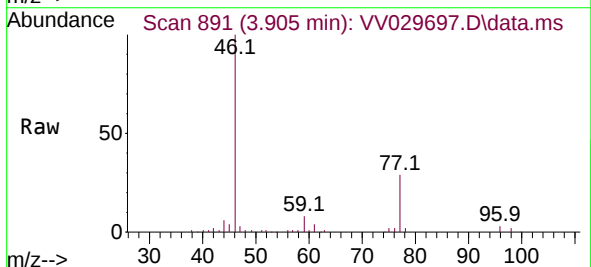
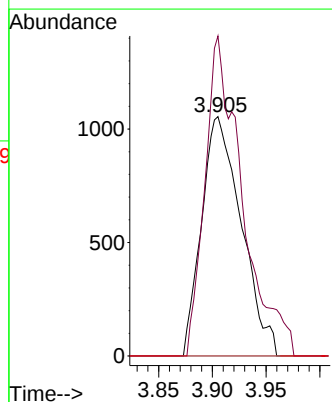


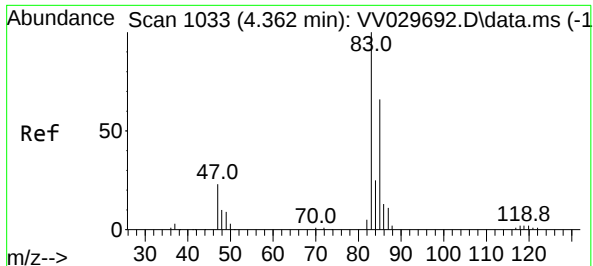
Tgt Ion: 73 Resp: 4117
Ion Ratio Lower Upper
73 100
43 25.2 13.2 19.8#
57 21.2 16.9 25.3



#22
cis-1,2-Dichloroethene
Concen: 0.169 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.007 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Tgt Ion: 96 Resp: 2707
Ion Ratio Lower Upper
96 100
61 133.6 85.8 159.3
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.680 ug/L

RT: 4.371 min Scan# 1033

Delta R.T. 0.010 min

Lab File: VV029697.D

Acq: 16 Dec 2022 14:59

Instrument :

MSVOA_V

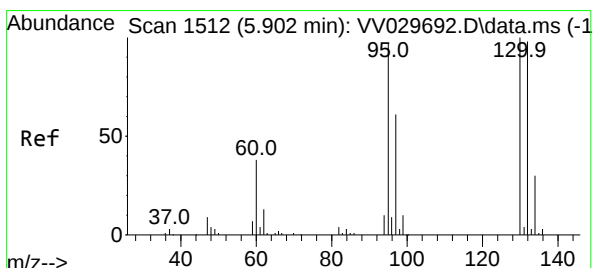
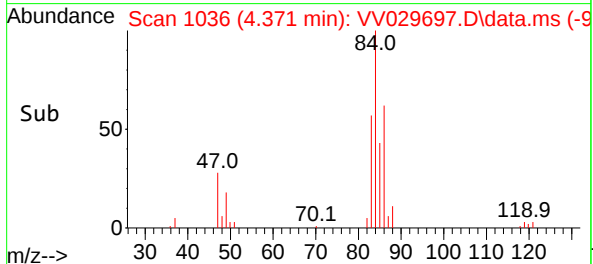
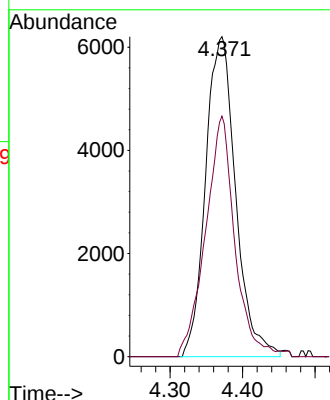
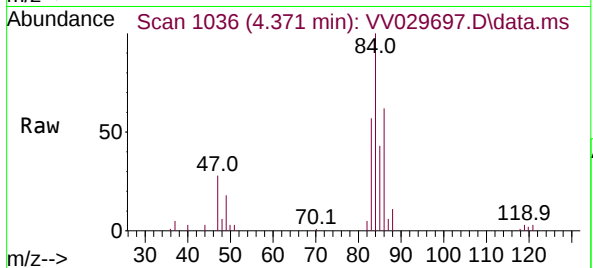
ClientSampleId :

Tgt Ion: 83 Resp: 17908

Ion Ratio Lower Upper

83 100

85 75.2 45.4 84.4



#34

Trichloroethene

Concen: 0.217 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.013 min

Lab File: VV029697.D

Acq: 16 Dec 2022 14:59

Tgt Ion: 95 Resp: 3587

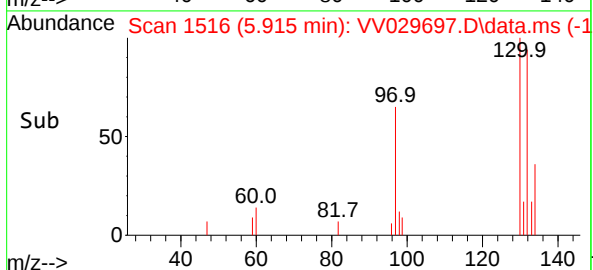
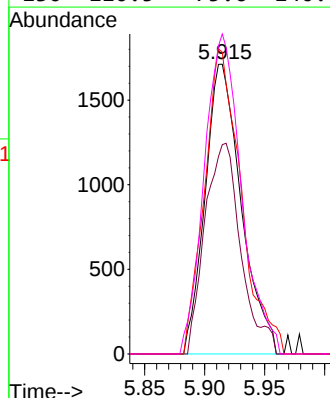
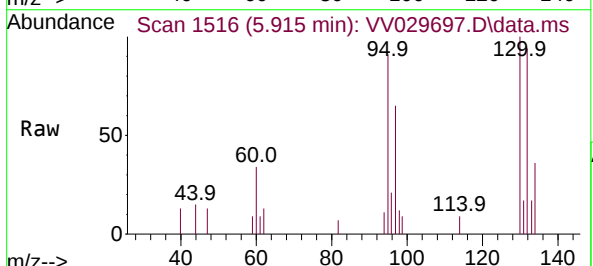
Ion Ratio Lower Upper

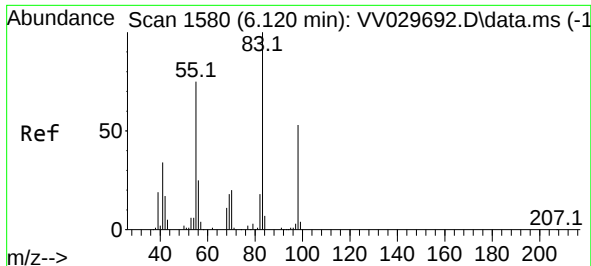
95 100

97 72.3 45.4 84.4

132 104.1 73.3 136.1

130 110.5 75.6 140.4

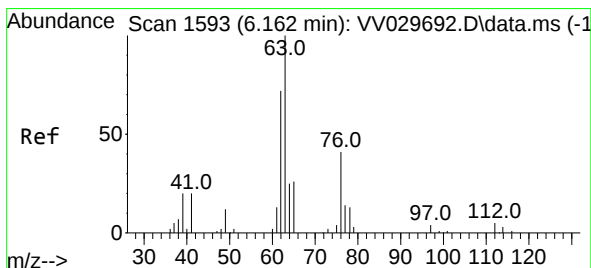
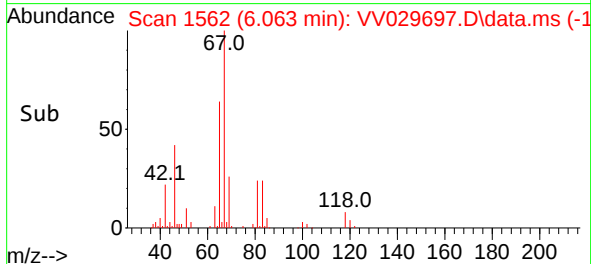
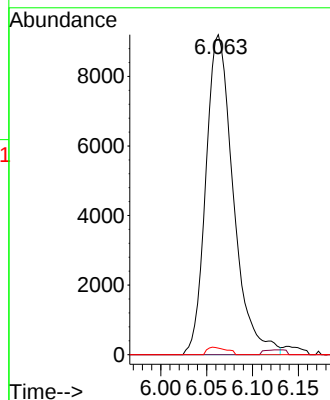
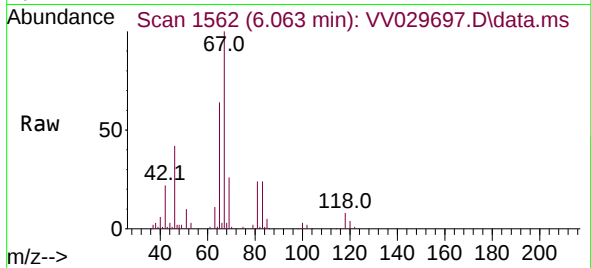




#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

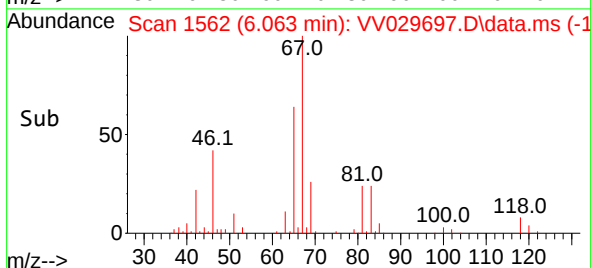
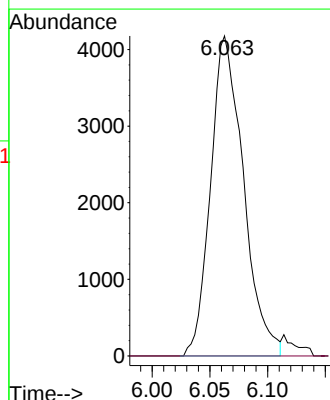
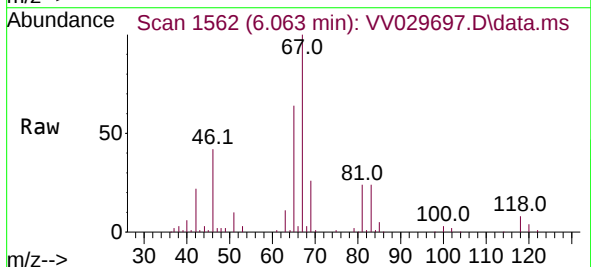
Instrument :
MSVOA_V
ClientSampleId :

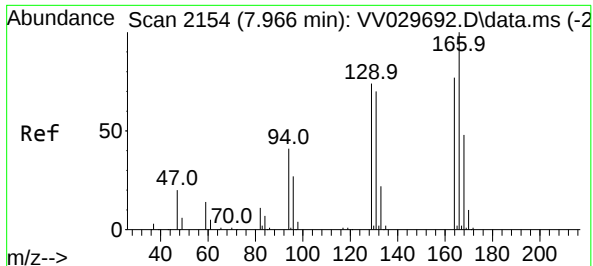
Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.2	55.4	83.2#
98	1.6	39.4	59.2#



#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.100 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#





#47

Tetrachloroethene

Concen: 0.892 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

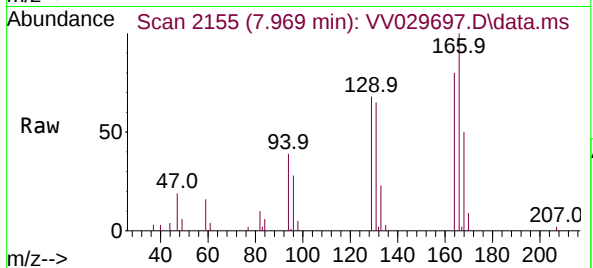
Lab File: VV029697.D

Acq: 16 Dec 2022 14:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 12104

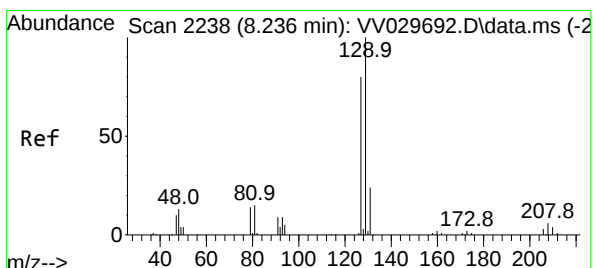
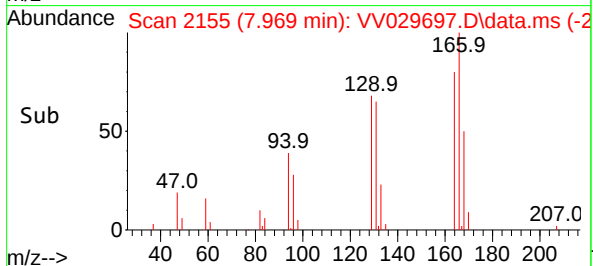
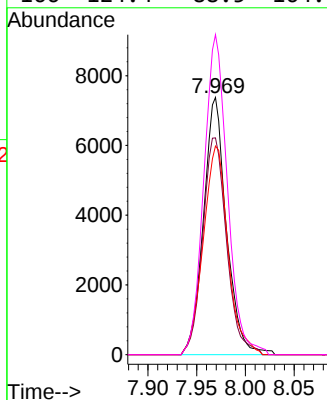
Ion Ratio Lower Upper

164 100

129 84.3 61.7 114.7

131 81.1 62.9 116.9

166 124.4 88.5 164.3



#49

Dibromochloromethane

Concen: 0.898 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029697.D

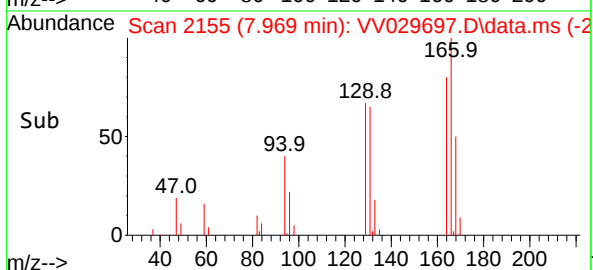
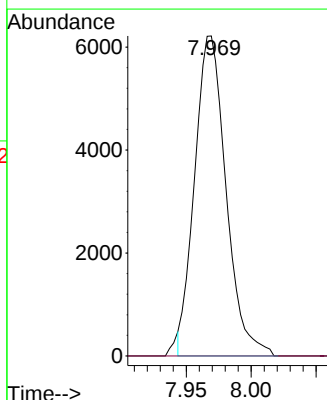
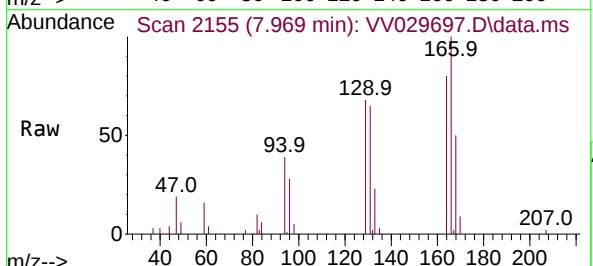
Acq: 16 Dec 2022 14:59

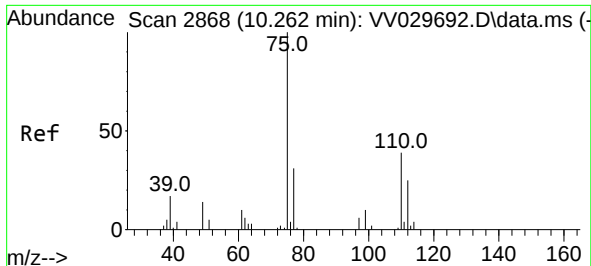
Tgt Ion:129 Resp: 10456

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.7#

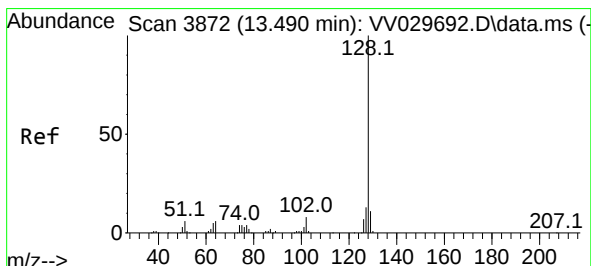
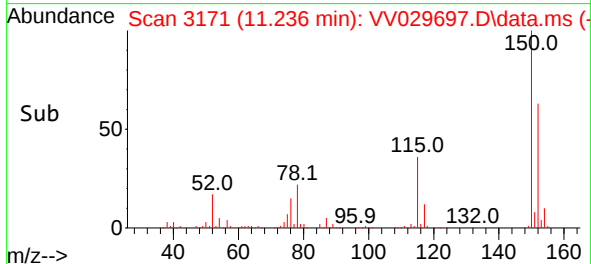
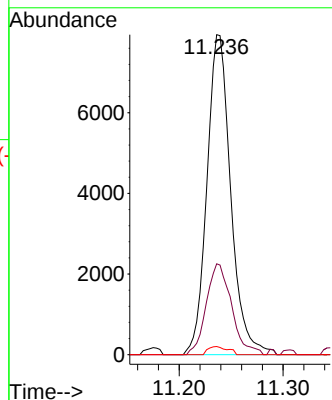
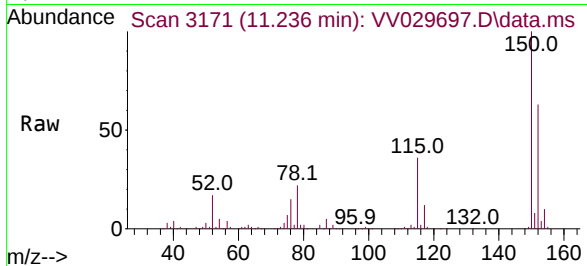




#61
1,2,3-Trichloropropane
Concen: 1.625 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 12614
Ion Ratio Lower Upper
75 100
77 30.2 26.7 40.1
110 2.1 32.2 48.4#



#71
Naphthalene
Concen: 0.115 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.010 min
Lab File: VV029697.D
Acq: 16 Dec 2022 14:59

Tgt Ion: 128 Resp: 2241
Ion Ratio Lower Upper
128 100
129 8.5 8.9 13.3#
127 9.3 10.6 15.8#

