

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023827.D
 Acq On : 07 Dec 2021 16:51
 Operator : SY/MD
 Sample : M4879-03DL 50X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:16:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	144636	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	136120	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71553	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	33250	2.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.000%
7) Chloroethane-d5	1.568	69	29668	3.179	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.600%#
11) 1,1-Dichloroethene-d2	2.108	63	51081	2.441	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.800%#
20) 2-Butanone-d5	3.912	46	87451	61.267	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.540%
24) Chloroform-d	4.349	84	87439	4.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.034	65	42468	4.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.050	84	166667	4.495	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.072	67	49086	4.722	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	155237	4.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.625	79	19807	4.727	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.092	63	88025	63.228	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.460%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37615	5.028	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	64857	5.127	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	731	0.061	ug/L	98
5) Vinyl chloride	1.311	62	607	0.048	ug/L #	1
6) Bromomethane	1.520	94	447	0.063	ug/L	79
8) Chloroethane	1.520	64	1468	0.185	ug/L #	52
12) 1,1-Dichloroethene	2.108	96	777	0.080	ug/L #	1
14) Carbon disulfide	2.294	76	2060	0.063	ug/L #	92
16) Methylene chloride	2.510	84	4665	0.337	ug/L	95
22) cis-1,2-Dichloroethene	3.918	96	1064	0.101	ug/L	84
34) Trichloroethene	5.924	95	1366	0.131	ug/L	86
35) Methylcyclohexane	6.130	83	987	0.061	ug/L	90
42) Toluene	7.400	91	4514	0.107	ug/L	92
47) Tetrachloroethene	7.976	164	117624	12.431	ug/L	98
49) Dibromochloromethane	7.976	129	103698	11.847	ug/L #	12
52) Ethylbenzene	9.018	91	6055	0.138	ug/L	98
53) m,p-xylene	9.143	106	3188	0.182	ug/L	89
54) o-xylene	9.548	106	1213	0.073	ug/L	91
60) Isopropylbenzene	9.940	105	2315	0.054	ug/L #	94
61) 1,2,3-Trichloropropane	11.249	75	7838	1.545	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.538	105	4852	0.136	ug/L	94

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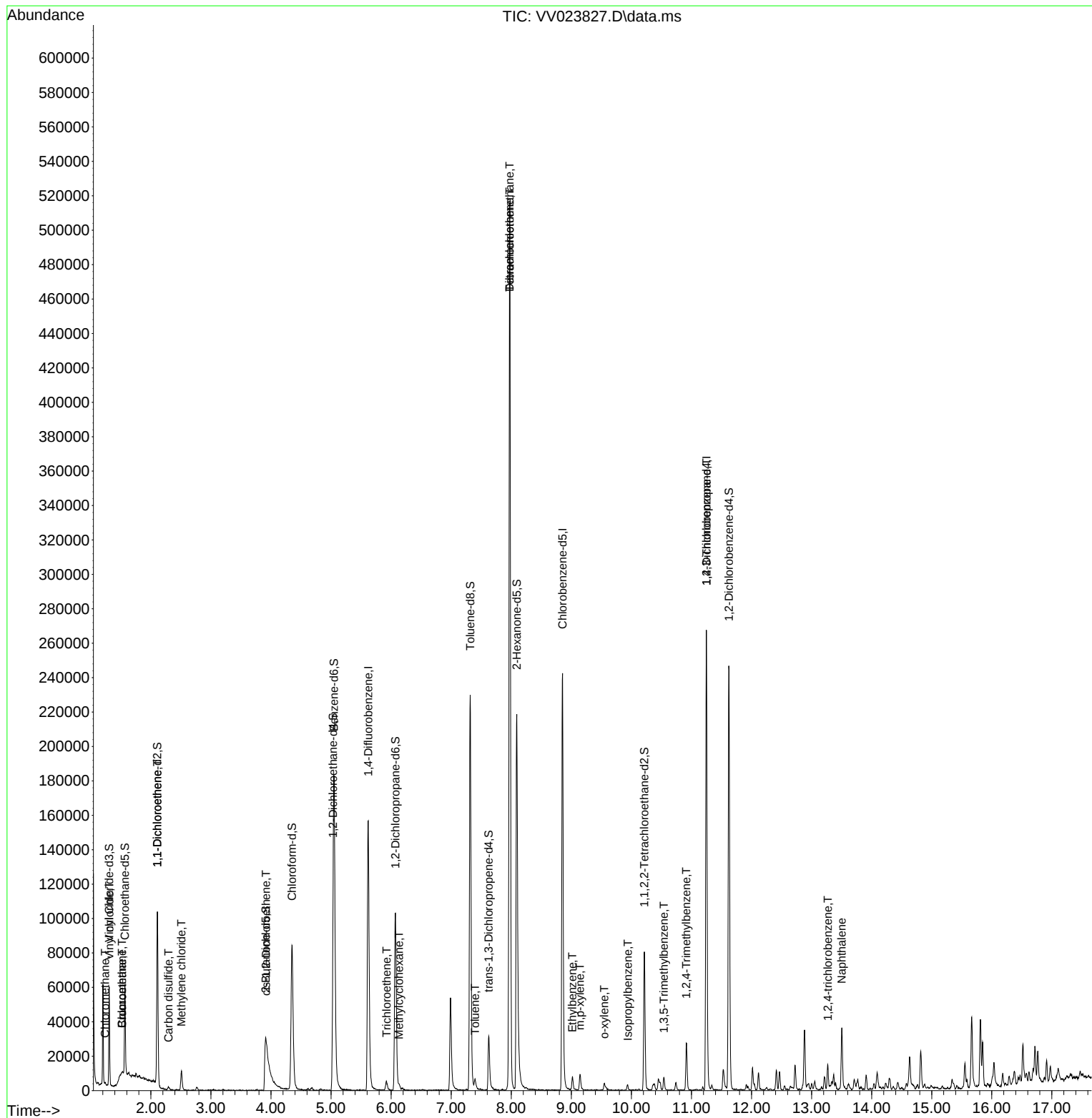
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	14986	0.426	ug/L	97
70) 1,2,4-trichlorobenzene	13.271	180	679	0.051	ug/L #	65
71) Naphthalene	13.503	128	28771	1.616	ug/L	96

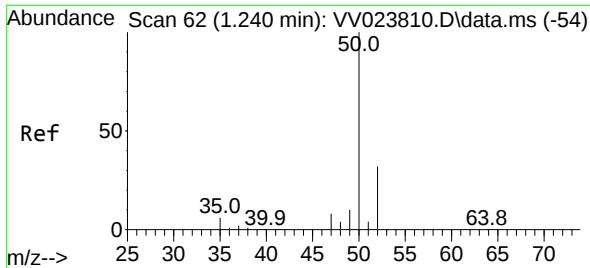
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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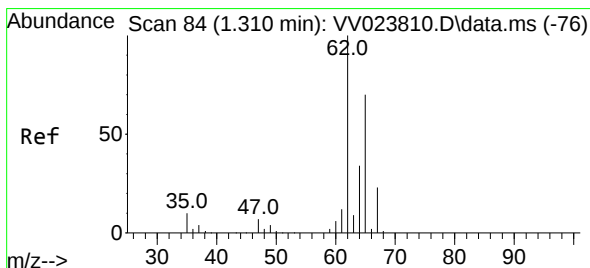
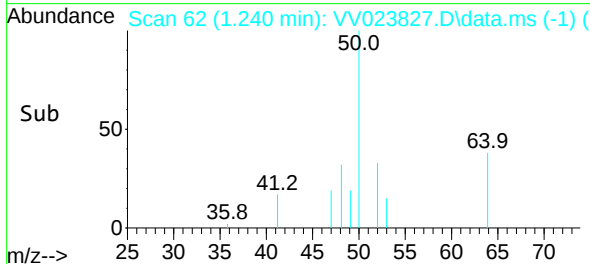
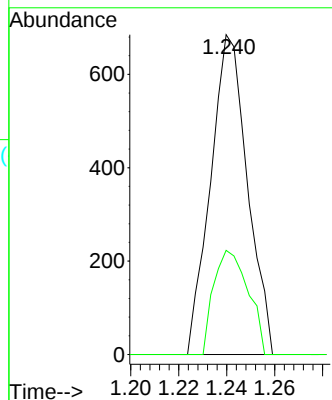
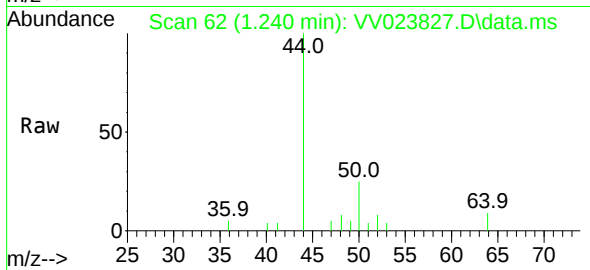




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

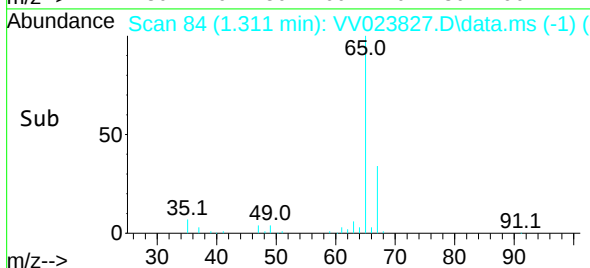
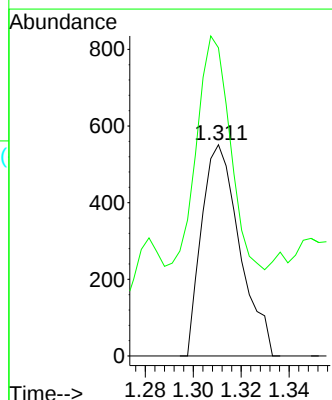
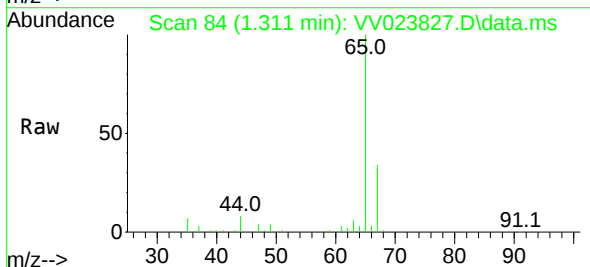
Instrument :
MSVOA_V
ClientSampleId :

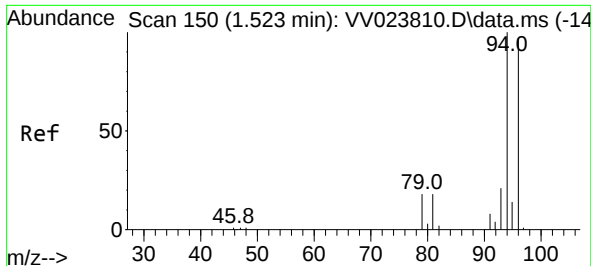
Tgt Ion: 50 Resp: 731
Ion Ratio Lower Upper
50 100
52 32.6 22.0 41.0



#5
Vinyl chloride
Concen: 0.048 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion: 62 Resp: 607
Ion Ratio Lower Upper
62 100
64 145.9 22.4 41.6#

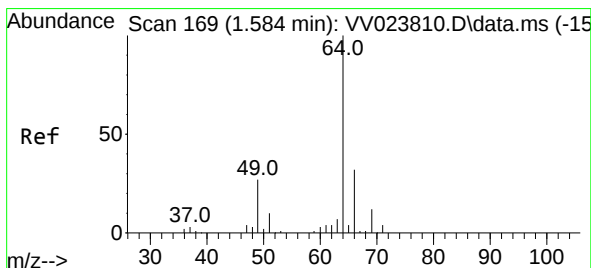
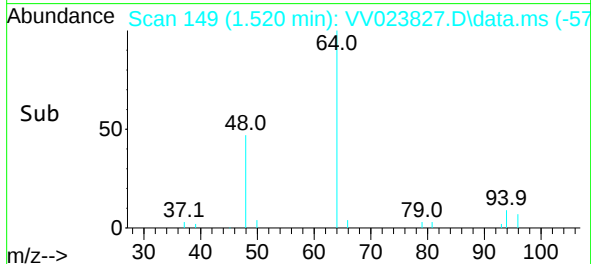
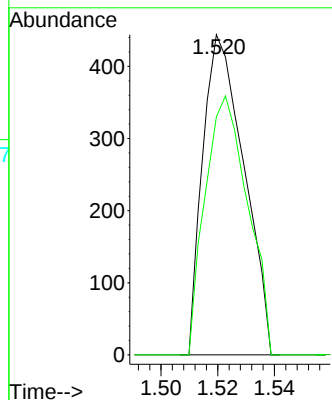
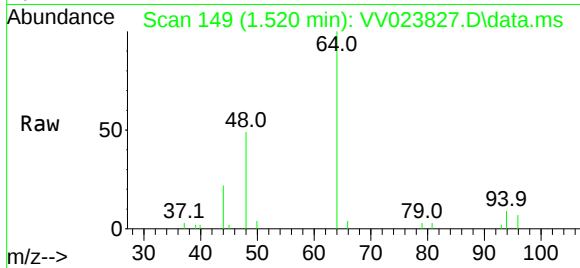




#6
Bromomethane
Concen: 0.063 ug/L
RT: 1.520 min Scan# 149
Delta R.T. -0.003 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

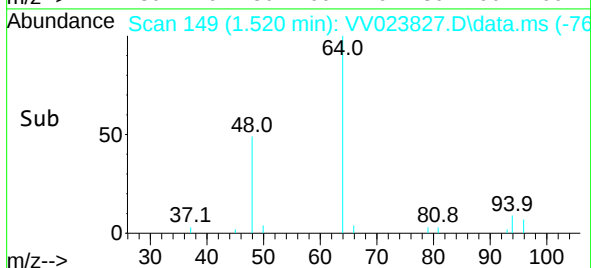
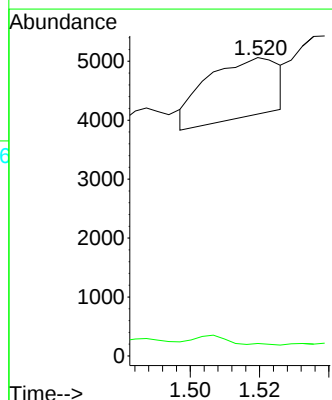
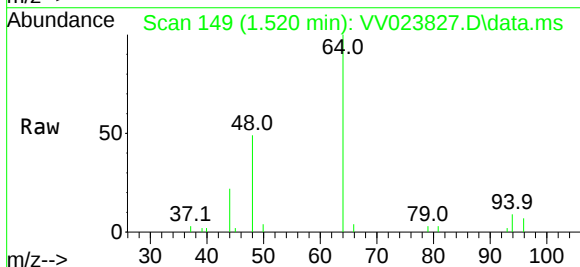
Instrument :
MSVOA_V
ClientSampleId :

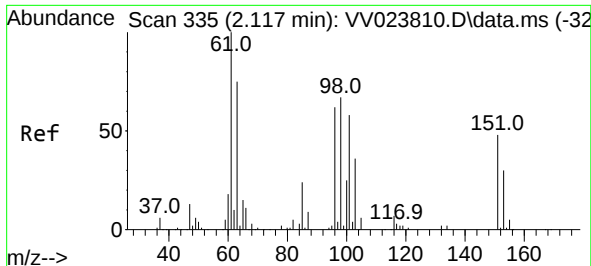
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 74.3 66.2 123.0



#8
Chloroethane
Concen: 0.185 ug/L
RT: 1.520 min Scan# 149
Delta R.T. -0.064 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion: 64 Resp: 1468
Ion Ratio Lower Upper
64 100
66 4.2 21.4 39.8#





#12

1,1-Dichloroethene

Concen: 0.080 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.010 min

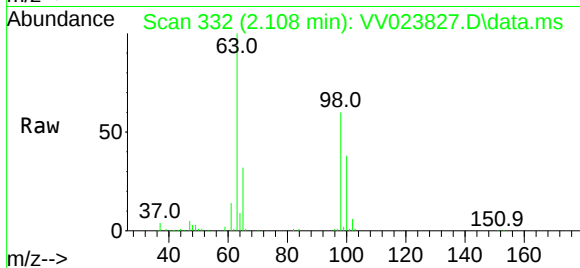
Lab File: VV023827.D

Acq: 07 Dec 2021 16:51

Instrument :

MSVOA_V

ClientSampleId :



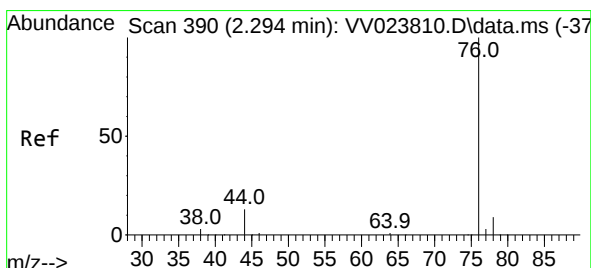
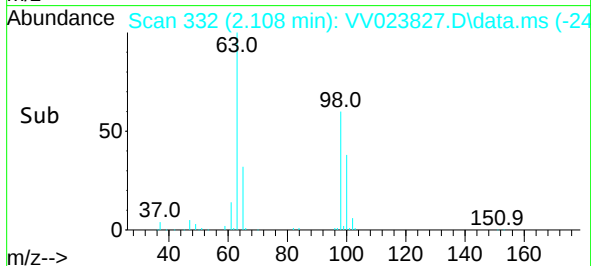
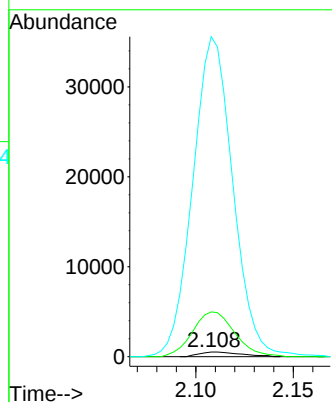
Tgt Ion: 96 Resp: 777

Ion Ratio Lower Upper

96 100

61 962.7 116.1 215.5#

63 6882.8 79.4 147.4#



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV023827.D

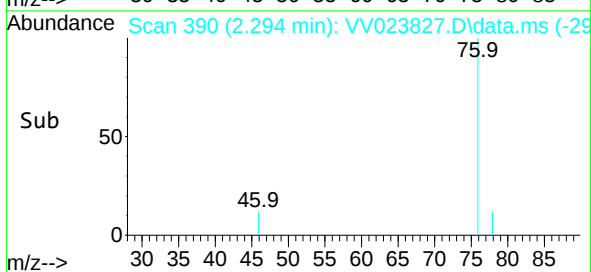
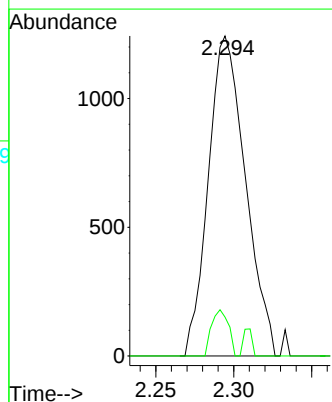
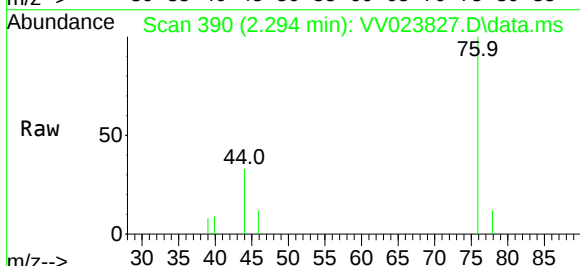
Acq: 07 Dec 2021 16:51

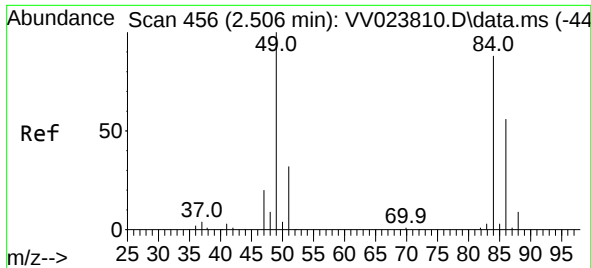
Tgt Ion: 76 Resp: 2060

Ion Ratio Lower Upper

76 100

78 12.1 7.5 11.3#

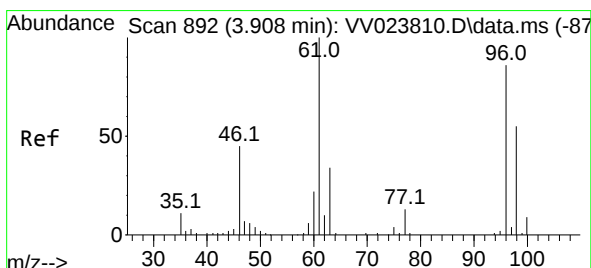
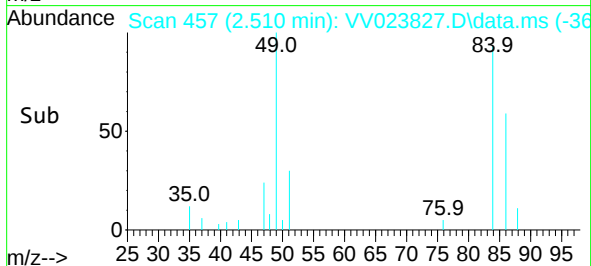
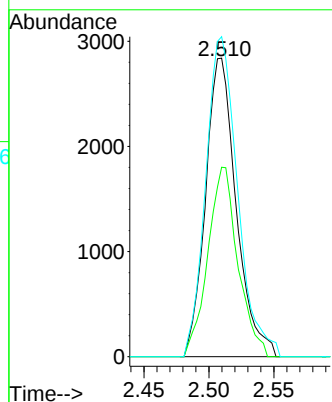
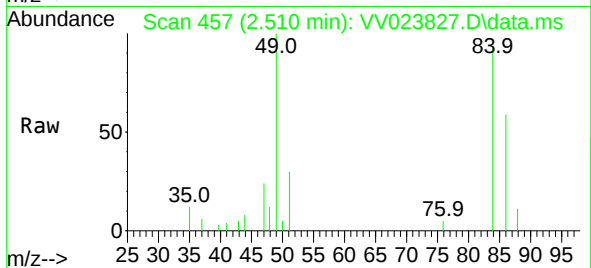




#16
Methylene chloride
Concen: 0.337 ug/L
RT: 2.510 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

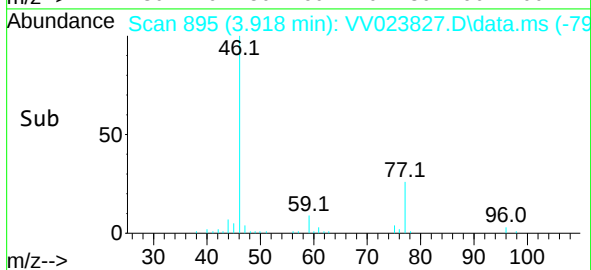
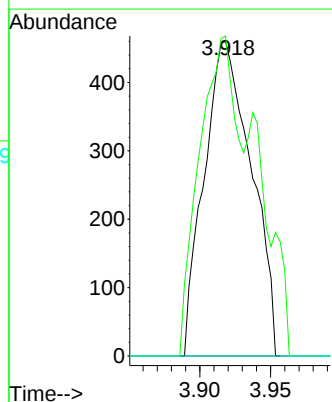
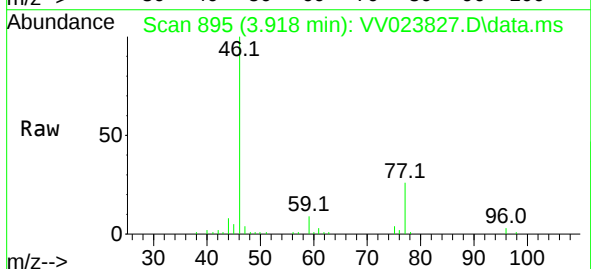
Instrument :
MSVOA_V
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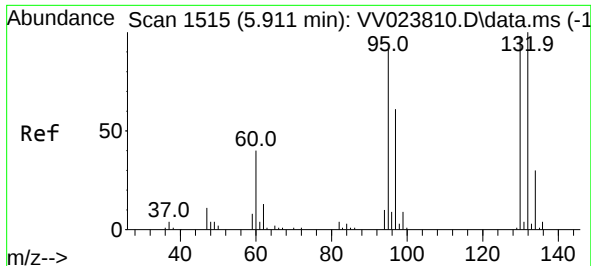
Tgt Ion: 84 Resp: 4665
Ion Ratio Lower Upper
84 100
86 63.5 42.6 79.0
49 107.2 79.7 147.9



#22
cis-1,2-Dichloroethene
Concen: 0.101 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

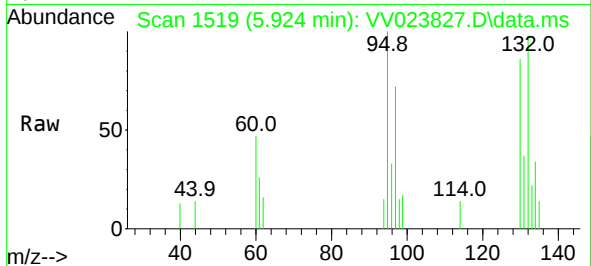
Tgt Ion: 96 Resp: 1064
Ion Ratio Lower Upper
96 100
61 101.7 83.4 154.8
68 0.0 0.0 0.0





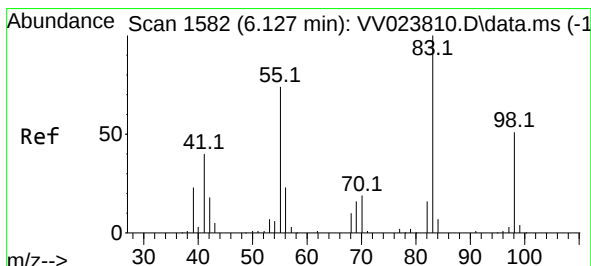
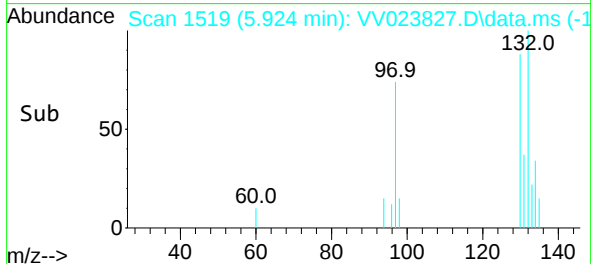
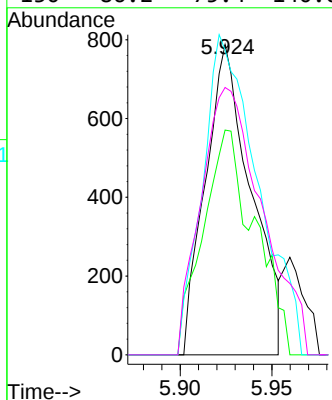
#34
Trichloroethene
Concen: 0.131 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.013 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 1366

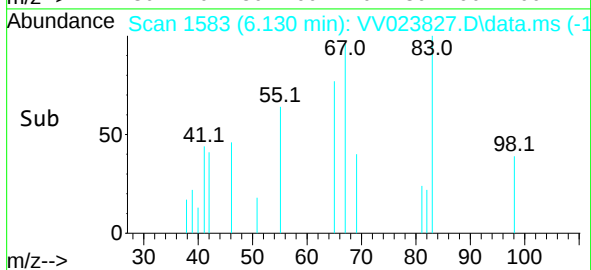
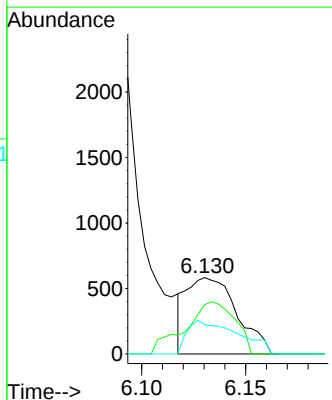
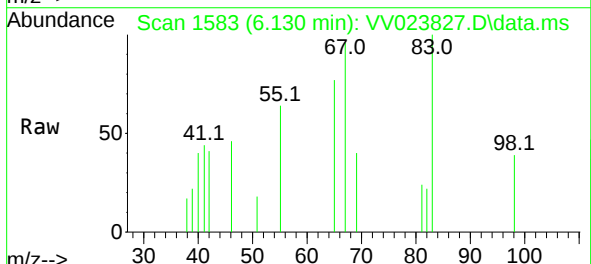
Ion	Ratio	Lower	Upper
95	100		
97	72.5	45.2	84.0
132	98.2	76.1	141.3
130	86.2	75.4	140.0

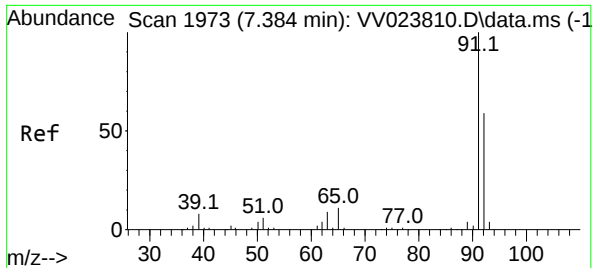


#35
Methylcyclohexane
Concen: 0.061 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion: 83 Resp: 987

Ion	Ratio	Lower	Upper
83	100		
55	67.3	60.2	90.2
98	44.0	41.0	61.4





#42

Toluene

Concen: 0.107 ug/L

RT: 7.400 min Scan# 1973

Delta R.T. 0.016 min

Lab File: VV023827.D

Acq: 07 Dec 2021 16:51

Instrument :

MSVOA_V

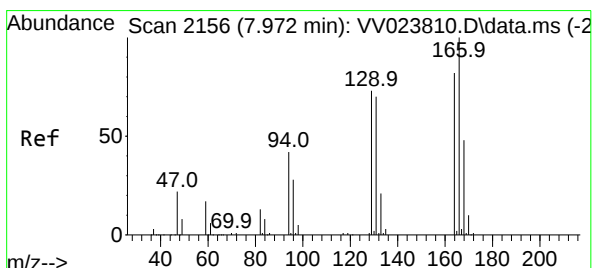
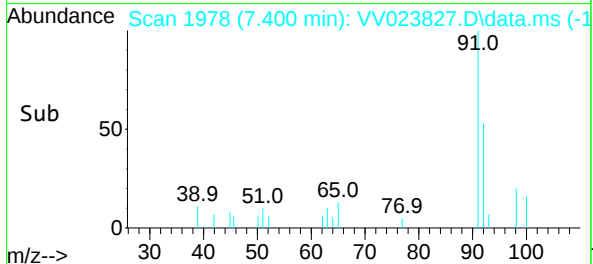
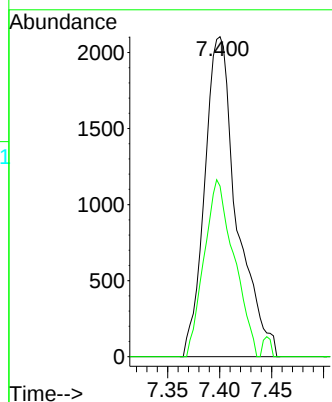
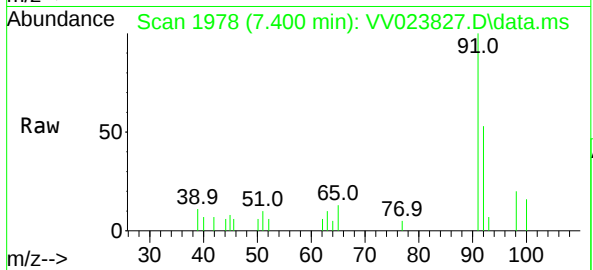
ClientSampleId :

Tgt Ion: 91 Resp: 4514

Ion Ratio Lower Upper

91 100

92 53.3 41.5 77.1



#47

Tetrachloroethene

Concen: 12.431 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023827.D

Acq: 07 Dec 2021 16:51

Tgt Ion: 164 Resp: 117624

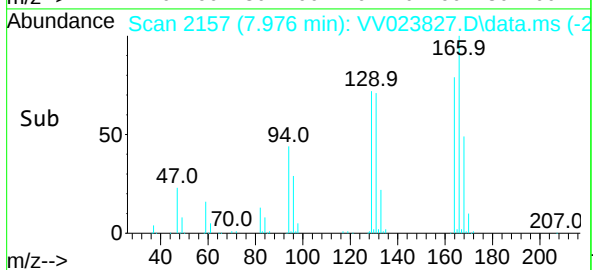
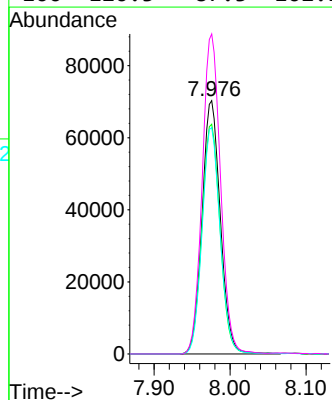
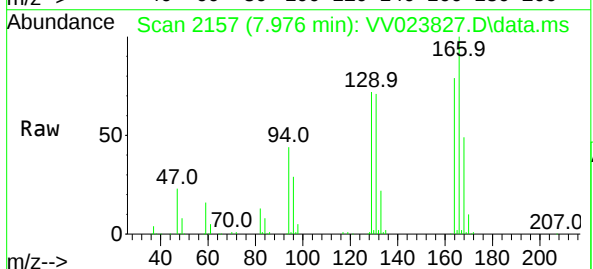
Ion Ratio Lower Upper

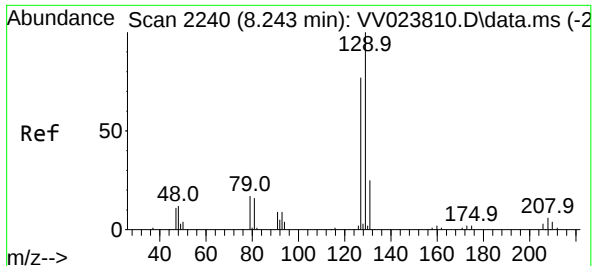
164 100

129 90.7 62.6 116.2

131 89.4 61.0 113.4

166 126.3 87.3 162.1





#49

Dibromochloromethane

Concen: 11.847 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023827.D

Acq: 07 Dec 2021 16:51

Instrument :

MSVOA_V

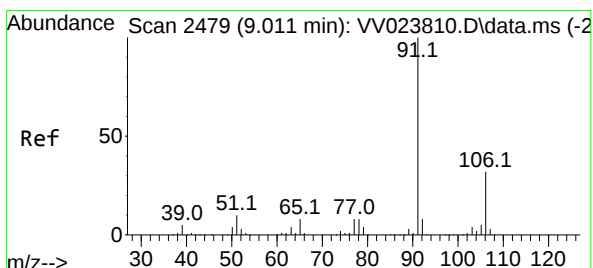
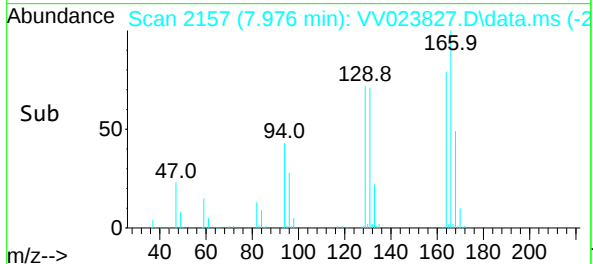
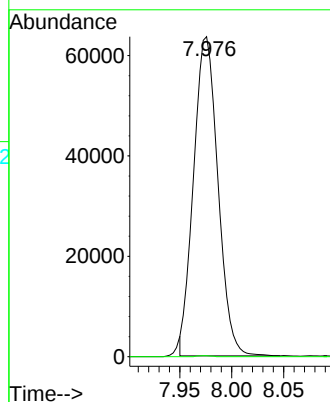
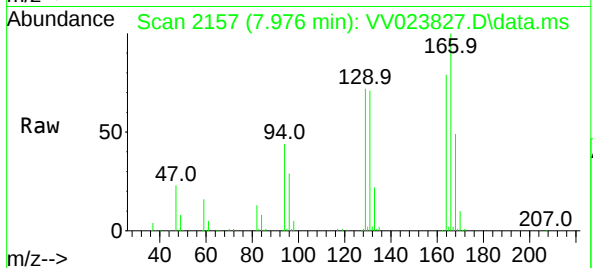
ClientSampleId :

Tgt Ion:129 Resp: 103698

Ion Ratio Lower Upper

129 100

127 0.3 53.5 99.3#



#52

Ethylbenzene

Concen: 0.138 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.007 min

Lab File: VV023827.D

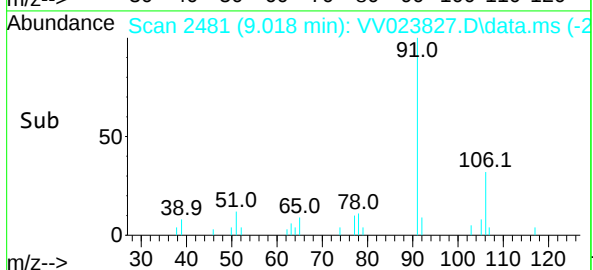
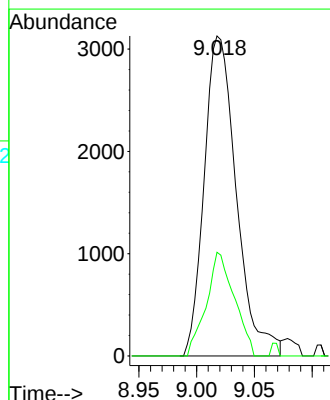
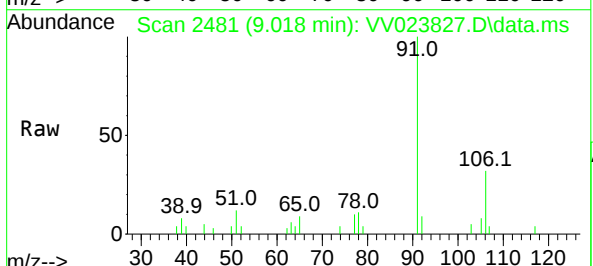
Acq: 07 Dec 2021 16:51

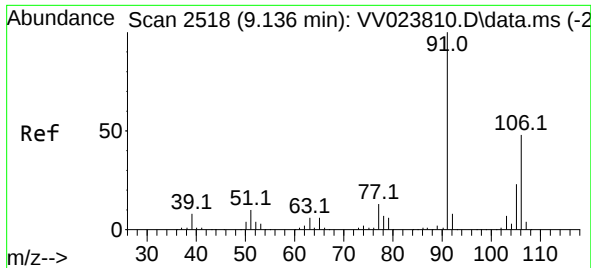
Tgt Ion: 91 Resp: 6055

Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0

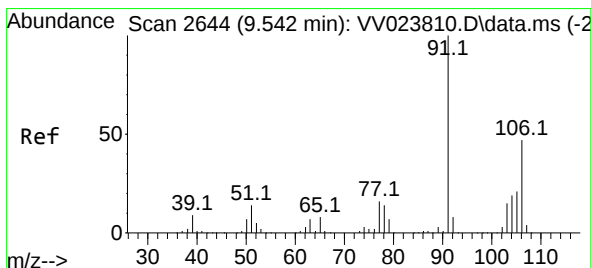
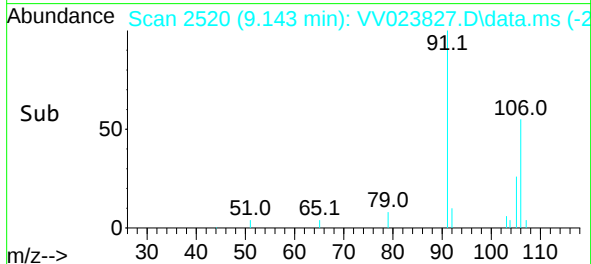
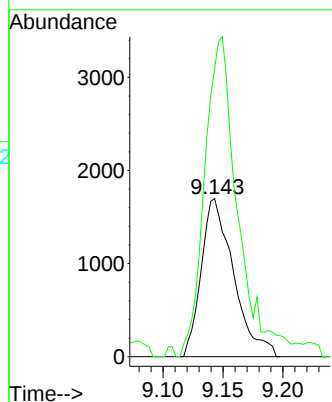
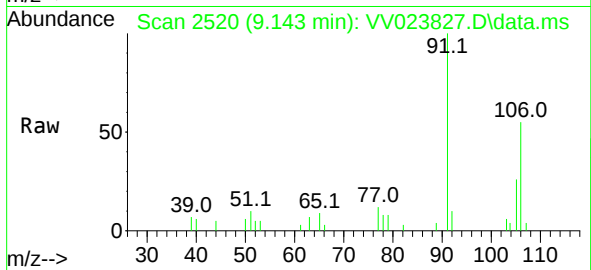




#53
m,p-xylene
Concen: 0.182 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

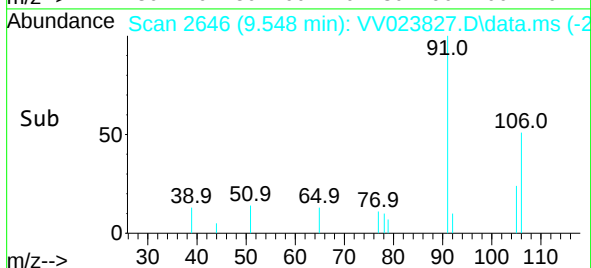
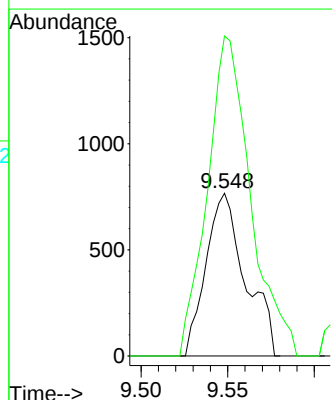
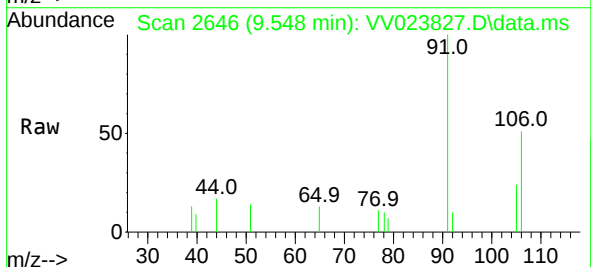
Instrument :
MSVOA_V
ClientSampleId :

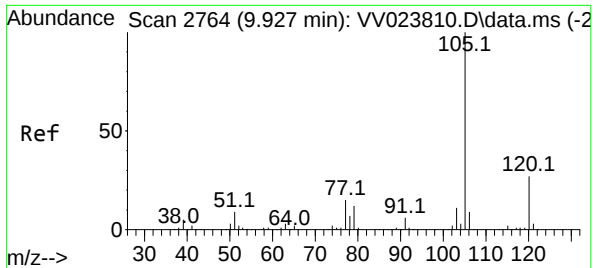
Tgt Ion:106 Resp: 3188
Ion Ratio Lower Upper
106 100
91 182.2 139.5 259.1



#54
o-xylene
Concen: 0.073 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion:106 Resp: 1213
Ion Ratio Lower Upper
106 100
91 196.6 147.9 274.7

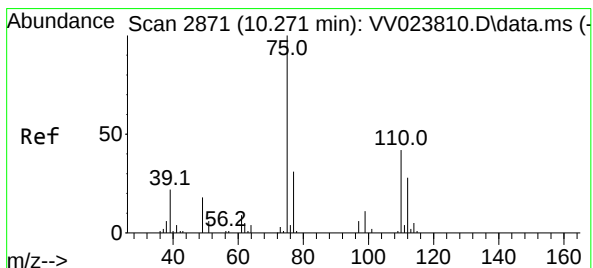
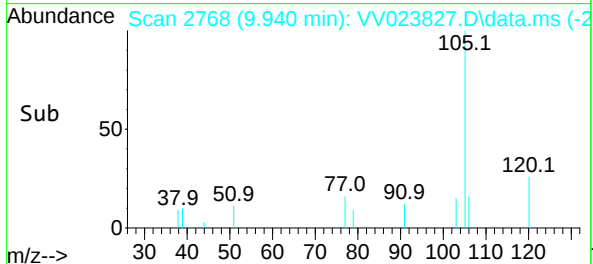
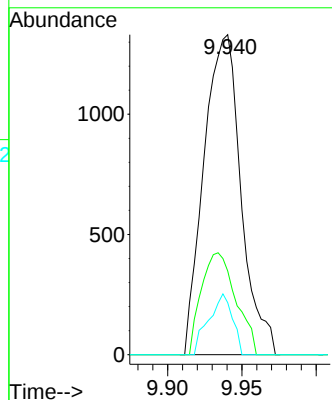
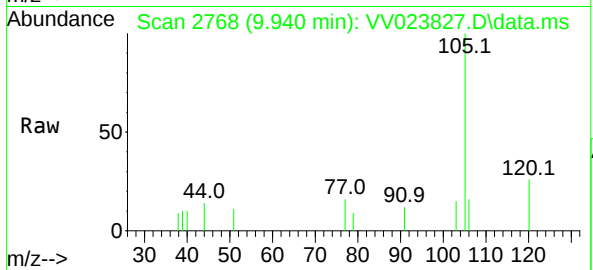




#60
Isopropylbenzene
Concen: 0.054 ug/L
RT: 9.940 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

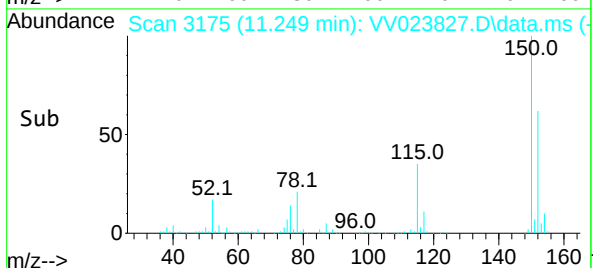
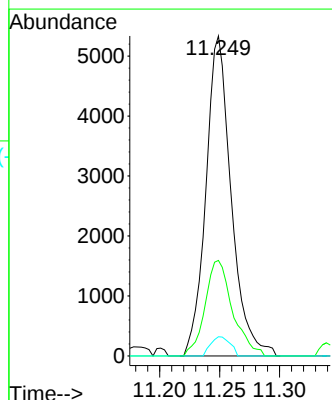
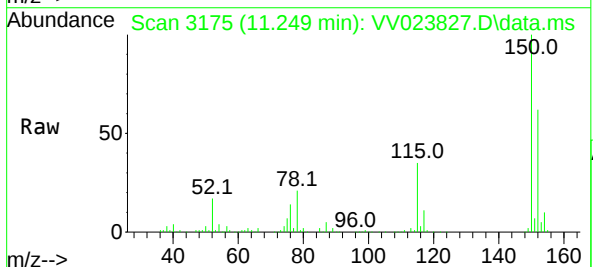
Instrument :
MSVOA_V
ClientSampleId :

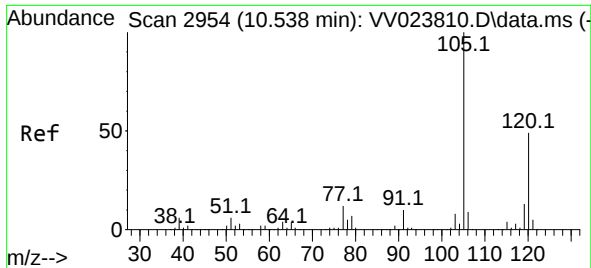
Tgt Ion:105 Resp: 2315
Ion Ratio Lower Upper
105 100
120 29.6 21.4 32.0
77 12.2 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.545 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion: 75 Resp: 7838
Ion Ratio Lower Upper
75 100
77 32.4 26.4 39.6
110 4.6 34.2 51.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.136 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023827.D

Acq: 07 Dec 2021 16:51

Instrument :

MSVOA_V

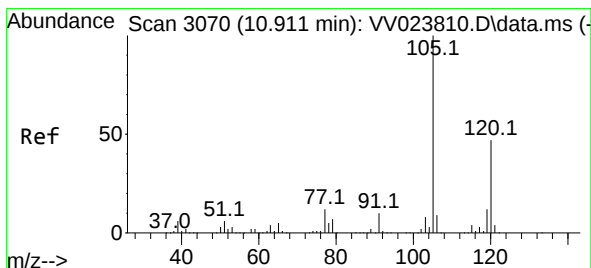
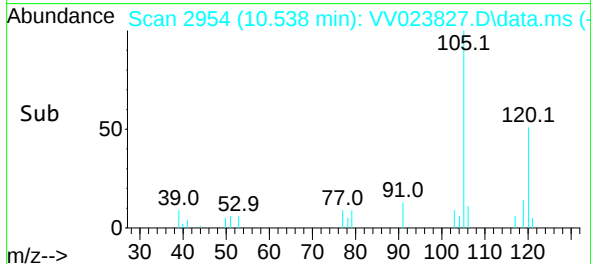
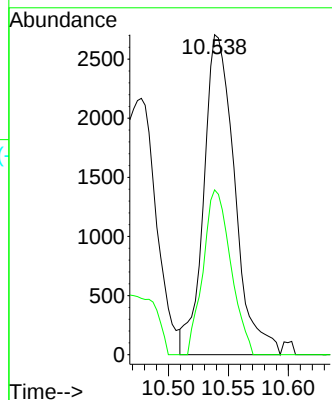
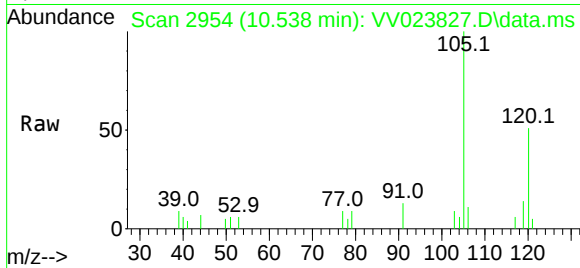
ClientSampleId :

Tgt Ion:105 Resp: 4852

Ion Ratio Lower Upper

105 100

120 45.9 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 0.426 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023827.D

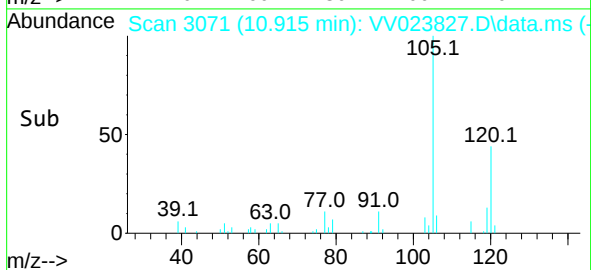
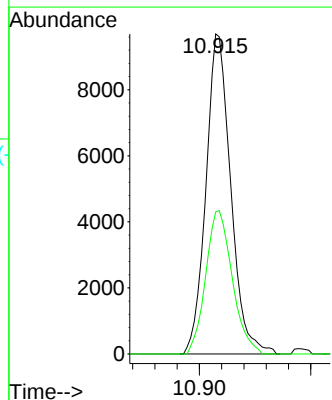
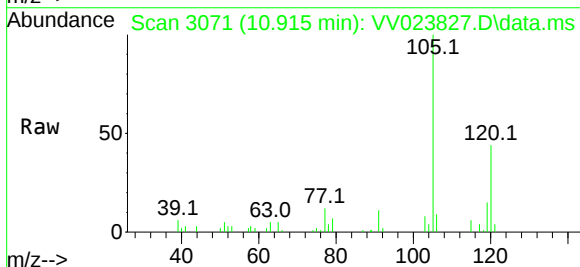
Acq: 07 Dec 2021 16:51

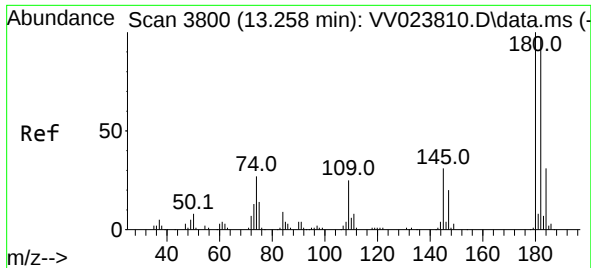
Tgt Ion:105 Resp: 14986

Ion Ratio Lower Upper

105 100

120 47.8 36.7 55.1

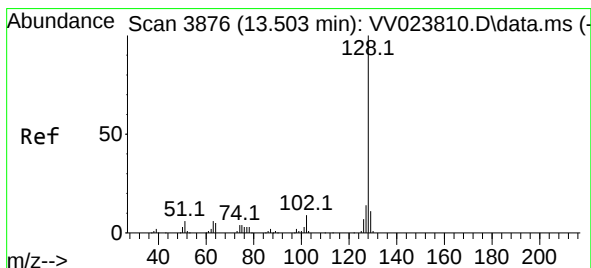
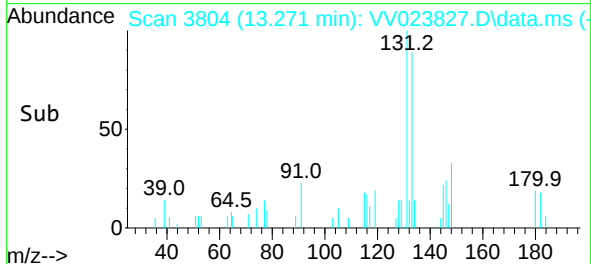
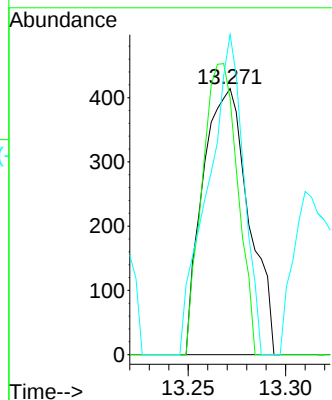
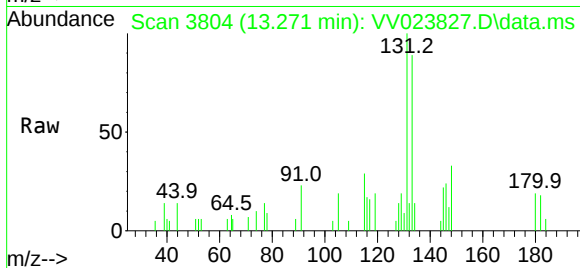




#70
1,2,4-trichlorobenzene
Concen: 0.051 ug/L
RT: 13.271 min Scan# 3804
Delta R.T. 0.010 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 679
Ion Ratio Lower Upper
180 100
182 84.5 74.4 111.6
145 93.2 23.3 34.9#



#71
Naphthalene
Concen: 1.616 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023827.D
Acq: 07 Dec 2021 16:51

Tgt Ion:128 Resp: 28771
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 15.1 10.2 15.4

