

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101521\
 Data File : VV022844.D
 Acq On : 15 Oct 2021 18:17
 Operator : SY/MD
 Sample : M4223-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 05:29:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 05:27:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	113720	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	118444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56405	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35242	4.504	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.568	69	31752	4.516	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.108	63	52989	3.453	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	3.895	46	104943	51.154	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.300%
24) Chloroform-d	4.352	84	90810	5.632	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.600%
26) 1,2-Dichloroethane-d4	5.034	65	40077	5.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.053	84	165906	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.072	67	52265	5.005	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.317	98	139735	4.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.625	79	15437	4.456	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.091	63	83011	59.465	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.940%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38825	5.489	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	55733	5.329	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	4683	0.544	ug/L	87
8) Chloroethane	1.310	64	2053	0.386	ug/L	98
12) 1,1-Dichloroethene	2.117	96	1853	0.270	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	7521	0.452	ug/L	98
18) trans-1,2-Dichloroethene	2.760	96	913	0.122	ug/L	84
19) 1,1-Dichloroethane	3.191	63	32533	2.418	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	152709	19.468	ug/L	94
25) Chloroform	4.378	83	68504	4.392	ug/L	96
27) 1,2-Dichloroethane	5.140	62	6200	0.796	ug/L	98
34) Trichloroethene	5.918	95	28204	3.251	ug/L	97
35) Methylcyclohexane	6.072	83	12877	1.060	ug/L #	17
42) Toluene	7.400	91	6235	0.193	ug/L	99
47) Tetrachloroethene	7.976	164	80068	11.413	ug/L	99
49) Dibromochloromethane	7.976	129	71808	10.775	ug/L #	7
53) m,p-xylene	9.149	106	1231	0.095	ug/L	85
61) 1,2,3-Trichloropropane	11.249	75	6394	1.632	ug/L #	61
62) 1,3,5-Trimethylbenzene	10.918	105	1231	0.053	ug/L	95
63) 1,2,4-Trimethylbenzene	10.918	105	1231	0.053	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.242	75	64	0.090	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 16 05:27:41 2021
Response via : Initial Calibration

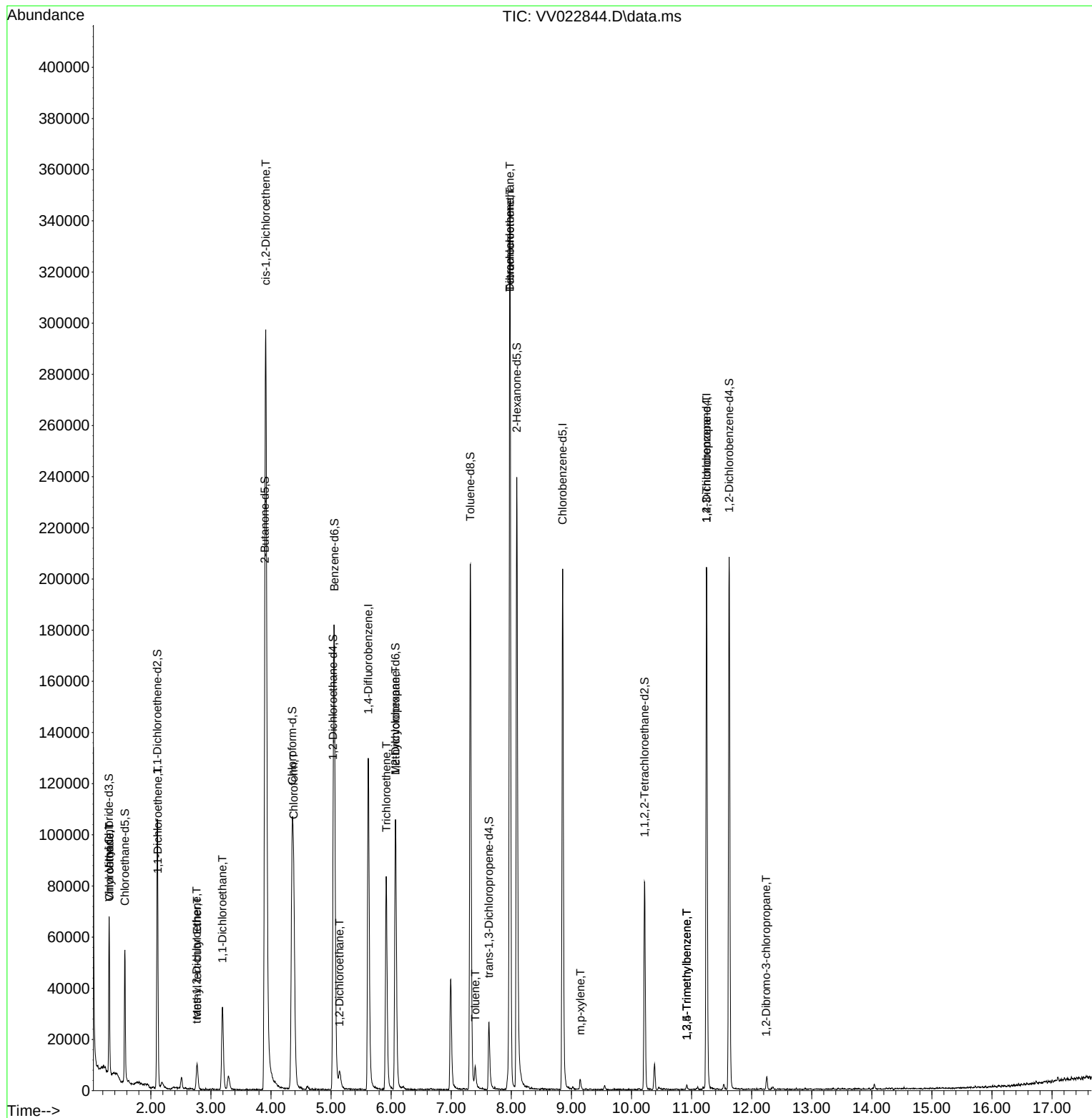
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

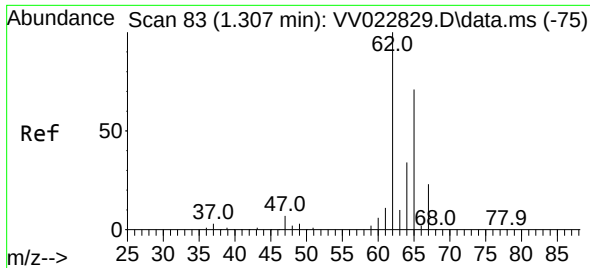
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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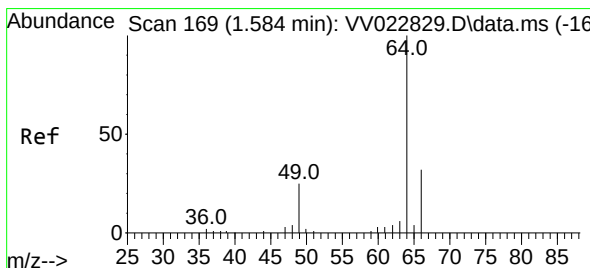
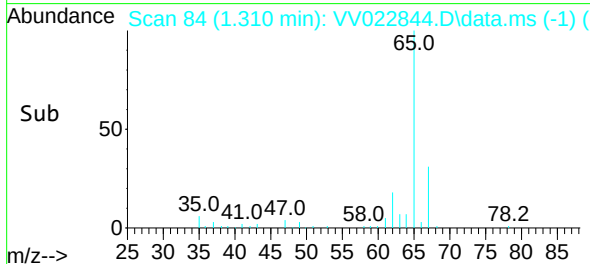
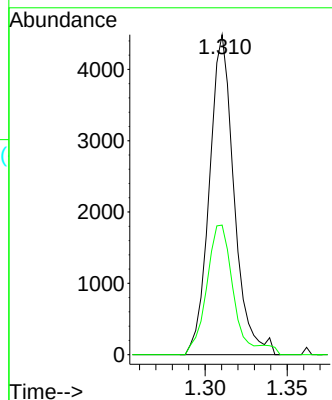
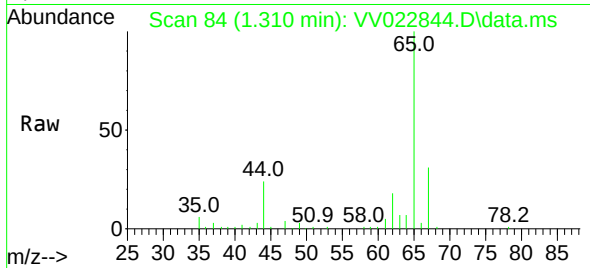




#5
 Vinyl chloride
 Concen: 0.544 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022844.D
 Acq: 15 Oct 2021 18:17

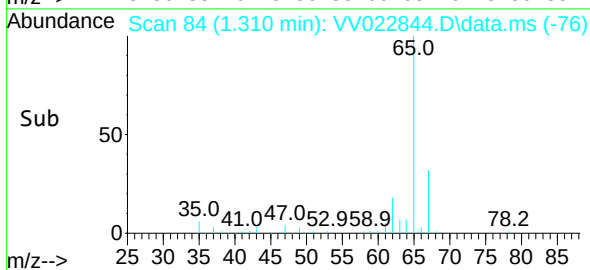
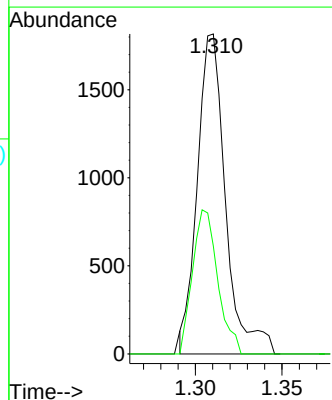
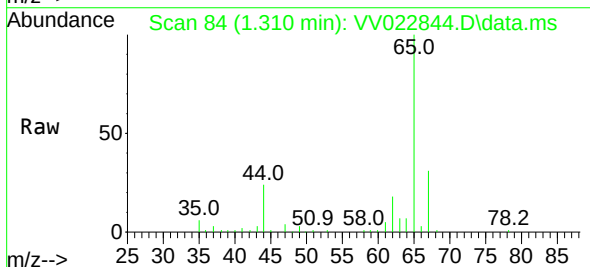
Instrument :
 MSVOA_V
 ClientSampled :

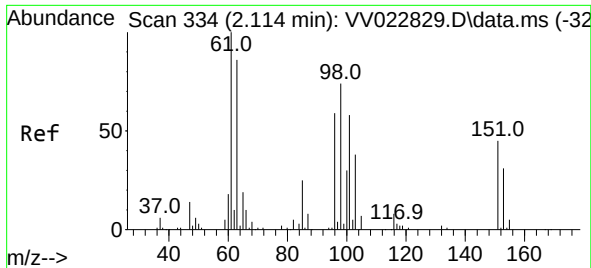
Tgt Ion: 62 Resp: 4683
 Ion Ratio Lower Upper
 62 100
 64 40.5 23.0 42.8



#8
 Chloroethane
 Concen: 0.386 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022844.D
 Acq: 15 Oct 2021 18:17

Tgt Ion: 64 Resp: 2053
 Ion Ratio Lower Upper
 64 100
 66 33.7 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.270 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

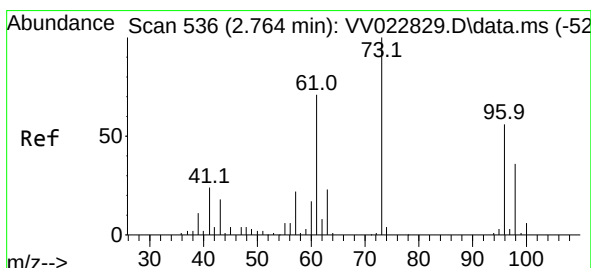
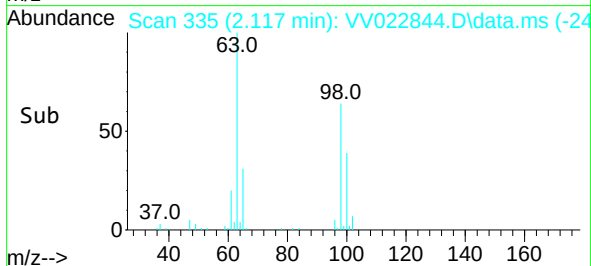
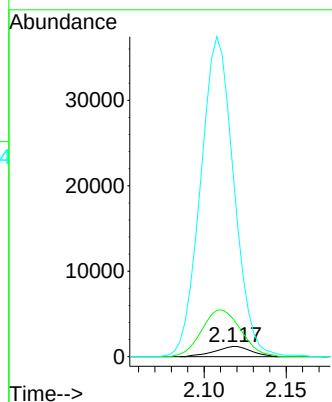
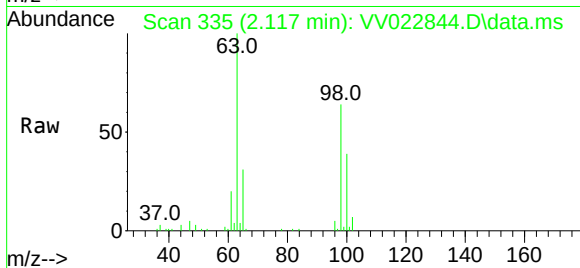
Lab File: VV022844.D

Acq: 15 Oct 2021 18:17

Tgt Ion: 96 Resp: 1853

Ion	Ratio	Lower	Upper
96	100		
61	374.8	127.3	236.5#
63	1842.6	106.2	197.2#

Instrument :
MSVOA_V
ClientSampled :



#17

Methyl tert-butyl Ether

Concen: 0.452 ug/L

RT: 2.770 min Scan# 538

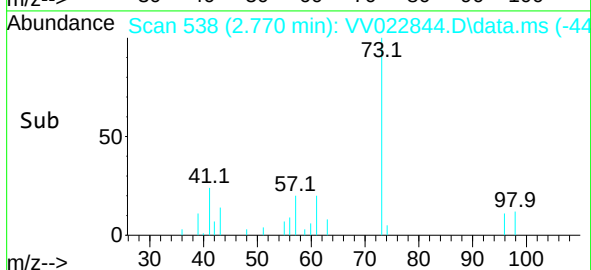
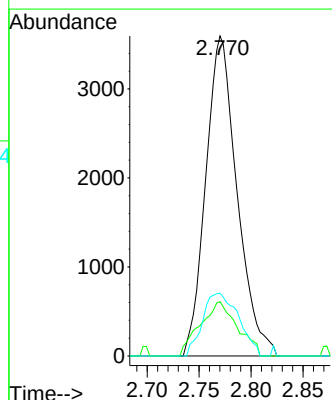
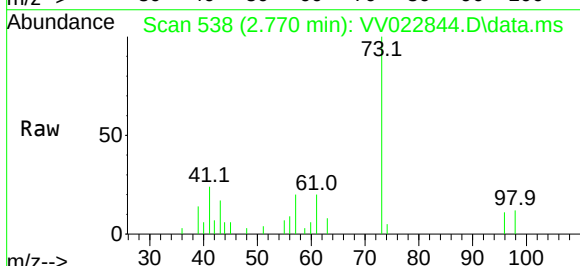
Delta R.T. 0.006 min

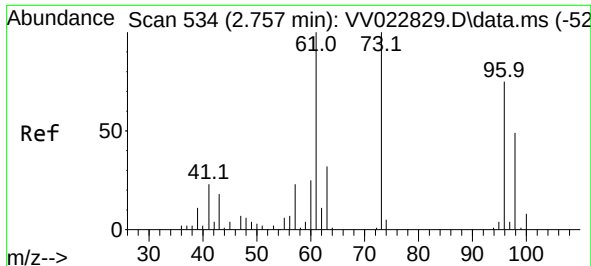
Lab File: VV022844.D

Acq: 15 Oct 2021 18:17

Tgt Ion: 73 Resp: 7521

Ion	Ratio	Lower	Upper
73	100		
43	20.1	17.1	25.7
57	22.6	17.2	25.8

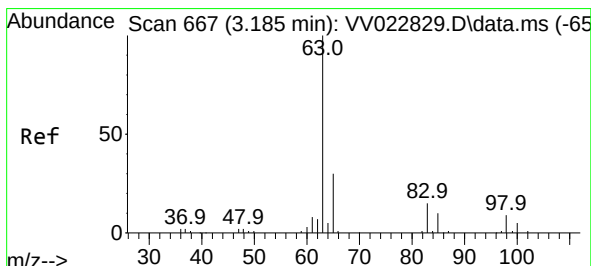
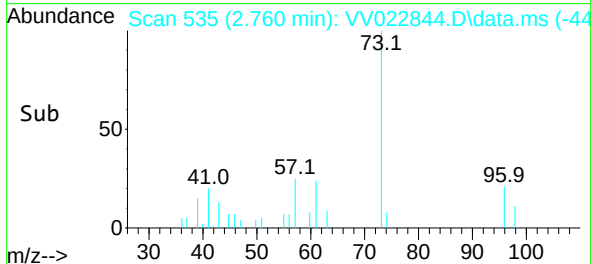
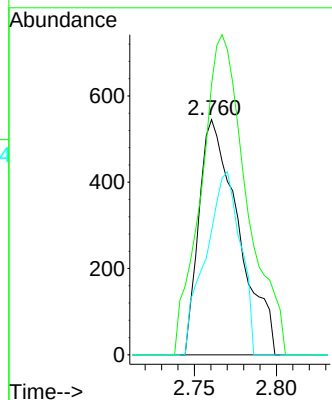
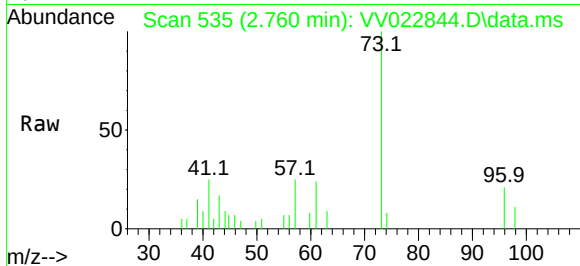




#18
trans-1,2-Dichloroethene
Concen: 0.122 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

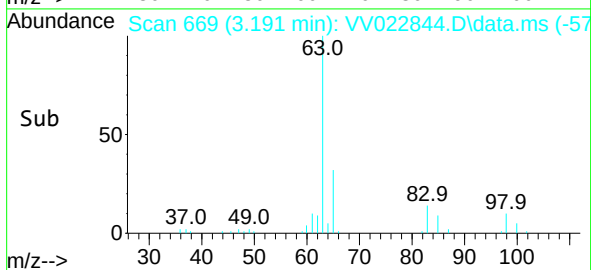
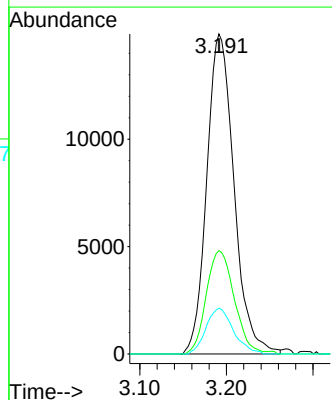
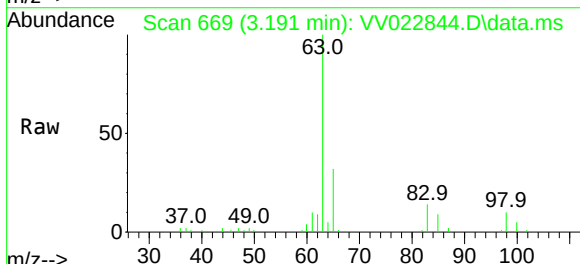
Instrument :
MSVOA_V
ClientSampled :

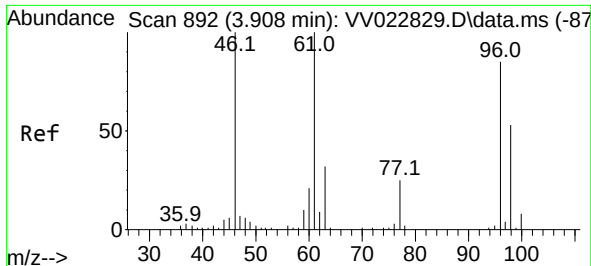
Tgt Ion: 96 Resp: 913
Ion Ratio Lower Upper
96 100
61 115.0 94.5 175.5
98 52.7 44.2 82.0



#19
1,1-Dichloroethane
Concen: 2.418 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

Tgt Ion: 63 Resp: 32533
Ion Ratio Lower Upper
63 100
65 32.3 23.5 43.7
83 14.3 10.1 18.7

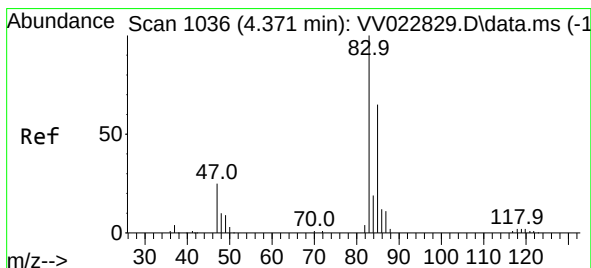
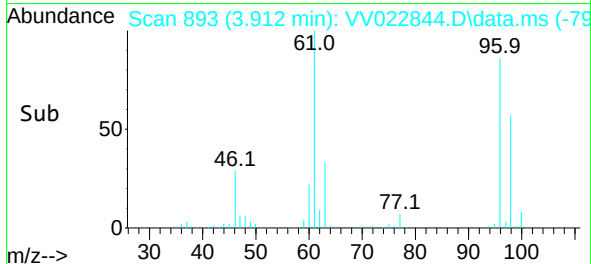
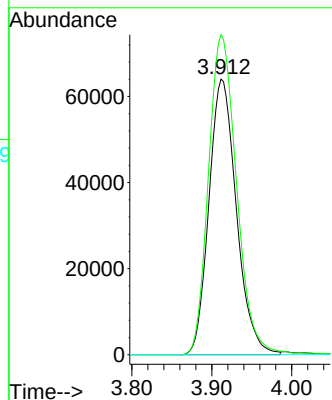
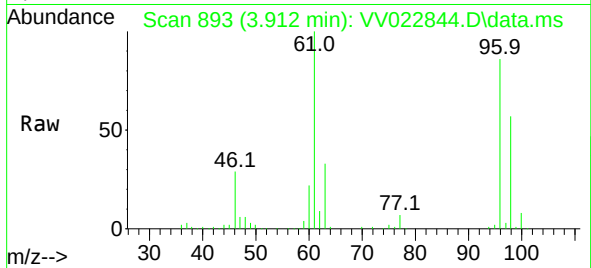




#22
 cis-1,2-Dichloroethene
 Concen: 19.468 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.003 min
 Lab File: VV022844.D
 Acq: 15 Oct 2021 18:17

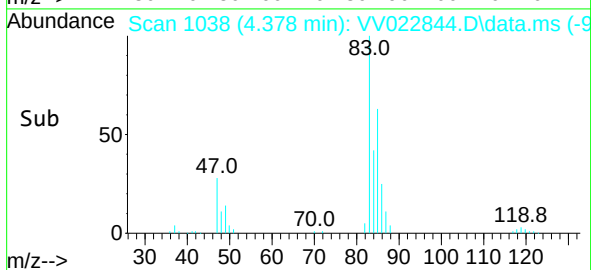
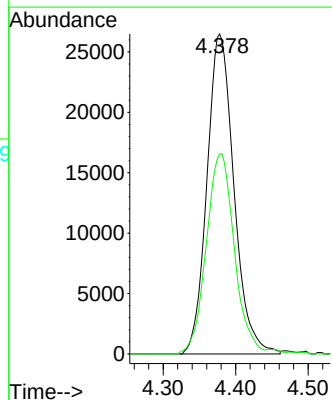
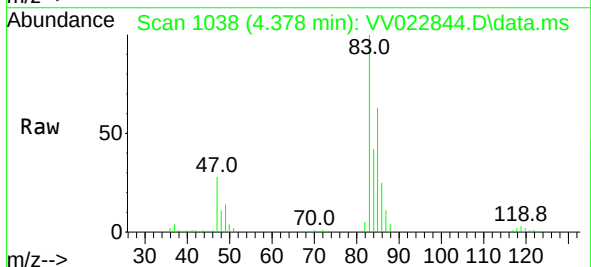
Instrument :
 MSVOA_V
 ClientSampled :

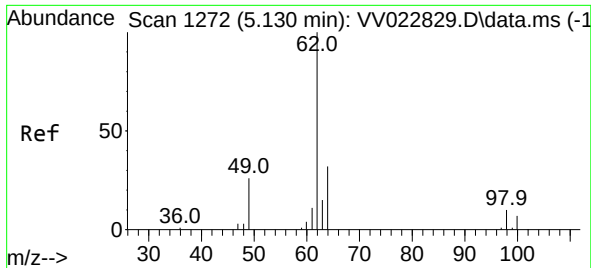
Tgt Ion: 96 Resp: 152709
 Ion Ratio Lower Upper
 96 100
 61 116.1 86.0 159.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 4.392 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VV022844.D
 Acq: 15 Oct 2021 18:17

Tgt Ion: 83 Resp: 68504
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.796 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.010 min

Lab File: VV022844.D

Acq: 15 Oct 2021 18:17

Tgt Ion: 62 Resp: 6200

Ion Ratio Lower Upper

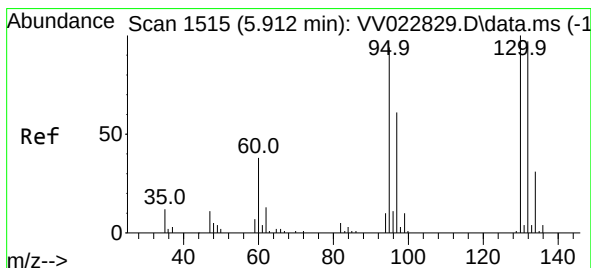
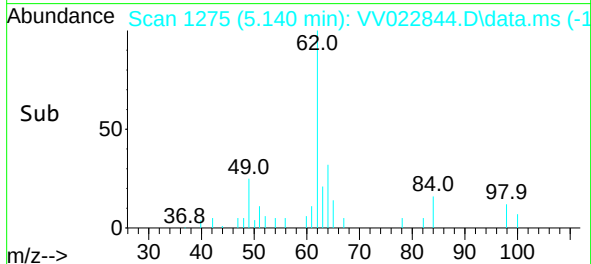
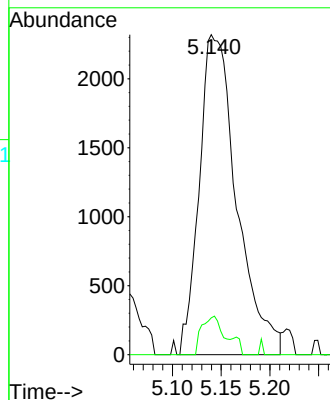
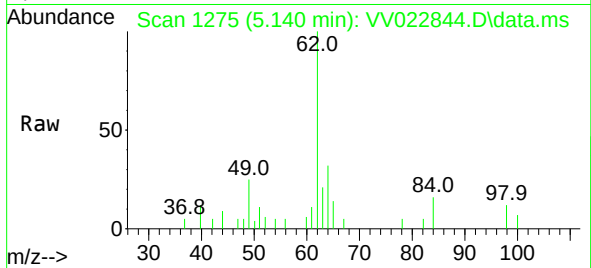
62 100

98 11.5 9.7 14.5

Instrument :

MSVOA_V

ClientSampled :



#34

Trichloroethene

Concen: 3.251 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV022844.D

Acq: 15 Oct 2021 18:17

Tgt Ion: 95 Resp: 28204

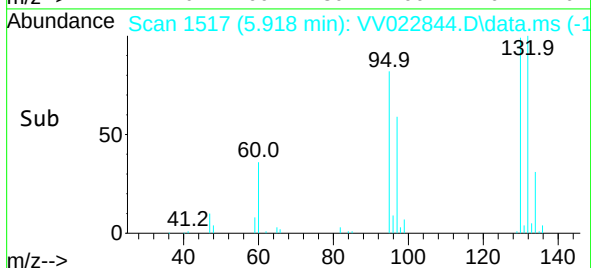
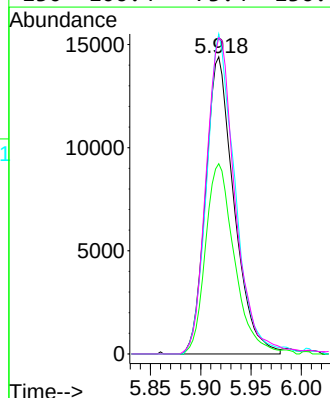
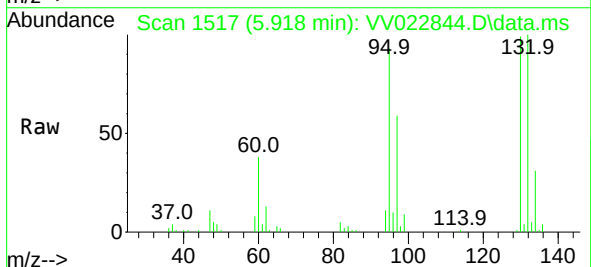
Ion Ratio Lower Upper

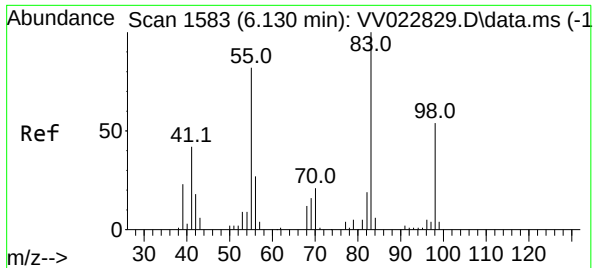
95 100

97 64.0 45.8 85.2

132 107.7 72.2 134.0

130 106.4 73.4 136.4

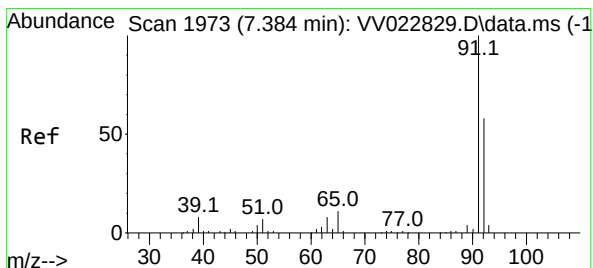
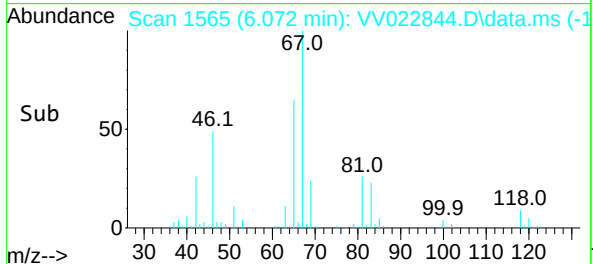
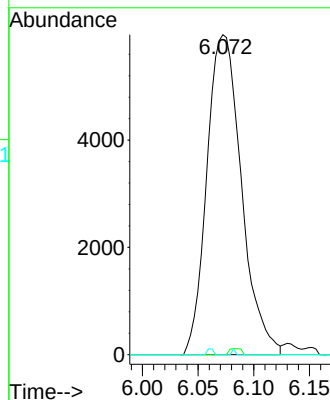
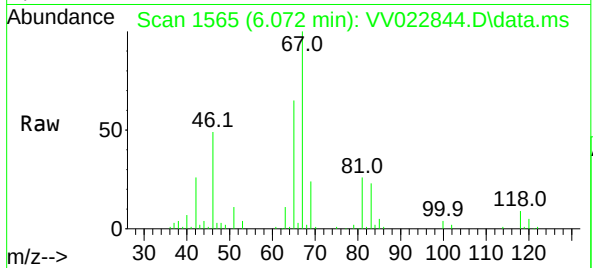




#35
Methylcyclohexane
Concen: 1.060 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

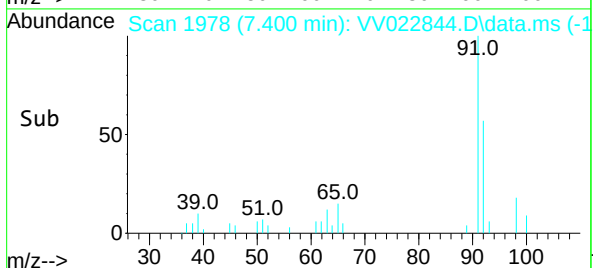
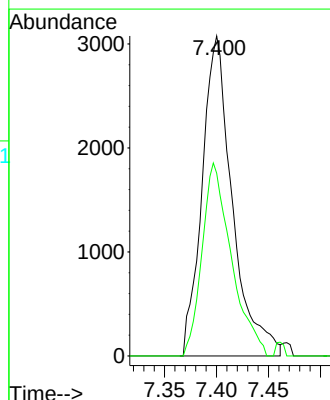
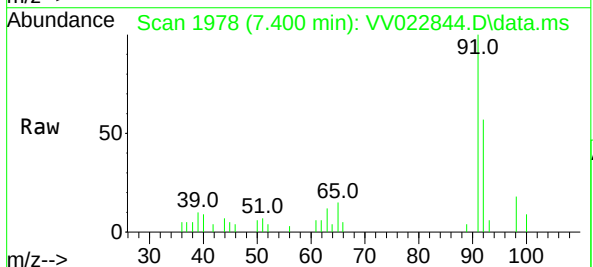
Instrument :
MSVOA_V
ClientSampled :

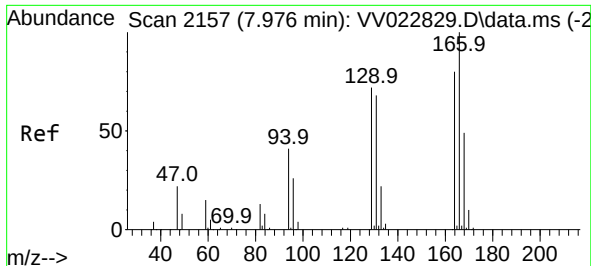
Tgt Ion: 83 Resp: 12877
Ion Ratio Lower Upper
83 100
55 0.7 63.8 95.6#
98 0.3 42.1 63.1#



#42
Toluene
Concen: 0.193 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.016 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

Tgt Ion: 91 Resp: 6235
Ion Ratio Lower Upper
91 100
92 57.1 40.7 75.7

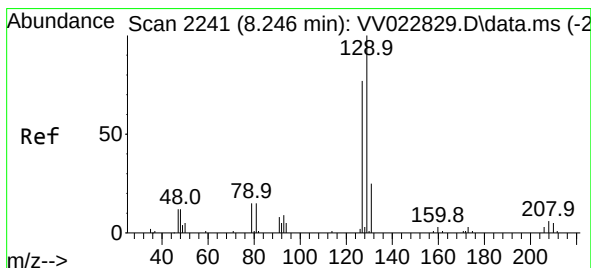
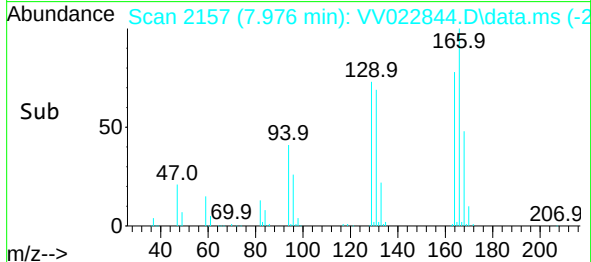
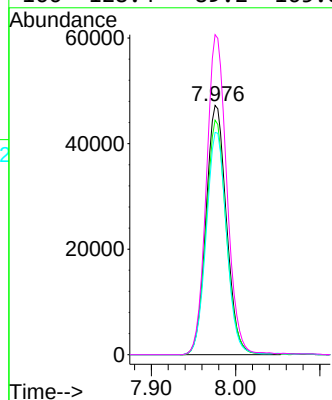
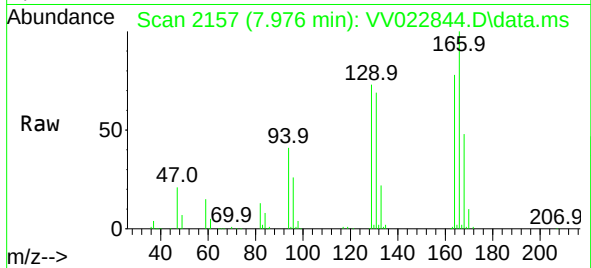




#47
Tetrachloroethene
Concen: 11.413 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

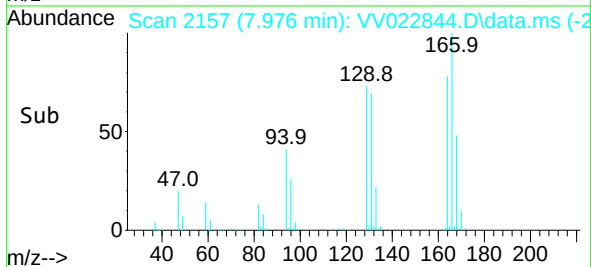
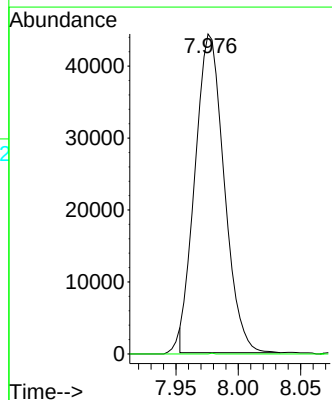
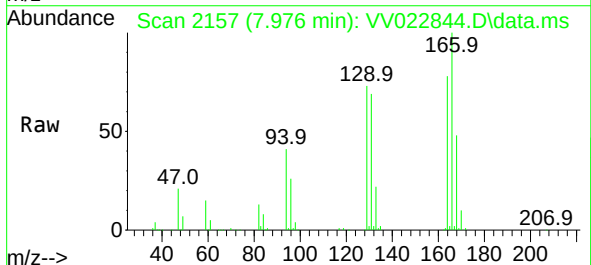
Instrument :
MSVOA_V
ClientSampleId :

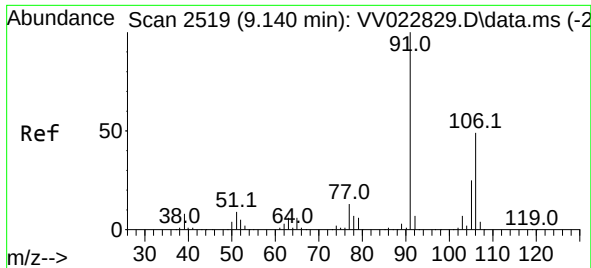
Tgt Ion:	164	Resp:	80068
Ion Ratio	Lower	Upper	
164	100		
129	94.1	65.0	120.6
131	89.2	62.2	115.4
166	128.4	89.2	165.8



#49
Dibromochloromethane
Concen: 10.775 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

Tgt Ion:	129	Resp:	71808
Ion Ratio	Lower	Upper	
129	100		
127	0.0	59.1	109.9#

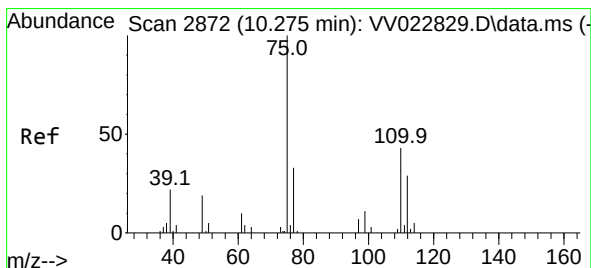
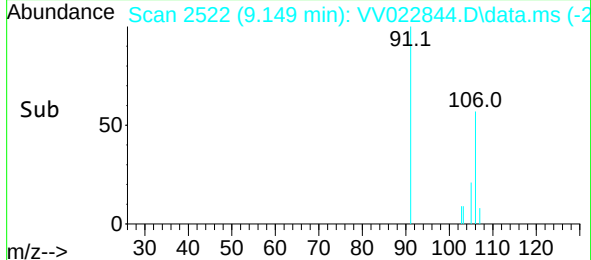
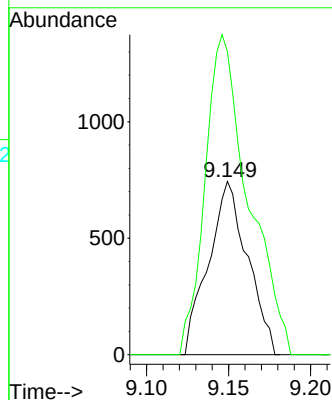
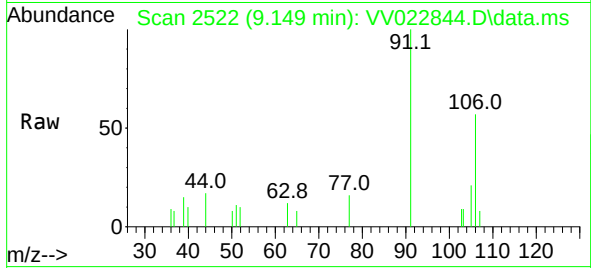




#53
m,p-xylene
Concen: 0.095 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

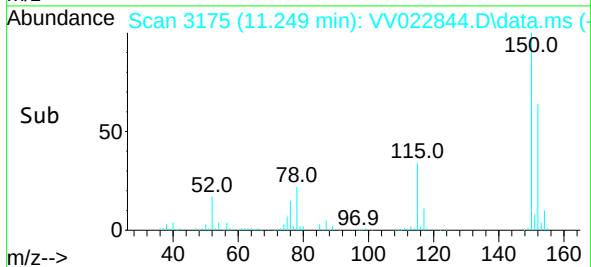
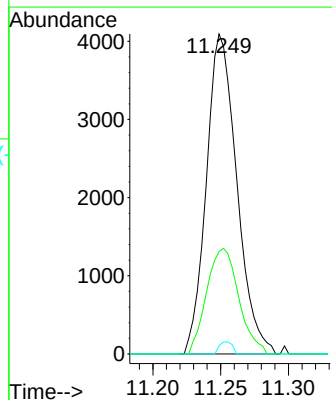
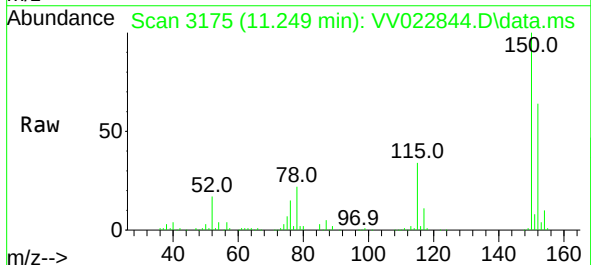
Instrument :
MSVOA_V
ClientSampled :

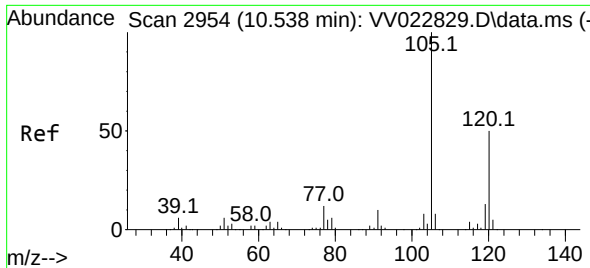
Tgt Ion:106 Resp: 1231
Ion Ratio Lower Upper
106 100
91 175.0 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.632 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

Tgt Ion: 75 Resp: 6394
Ion Ratio Lower Upper
75 100
77 34.8 25.4 38.2
110 1.6 34.2 51.4#

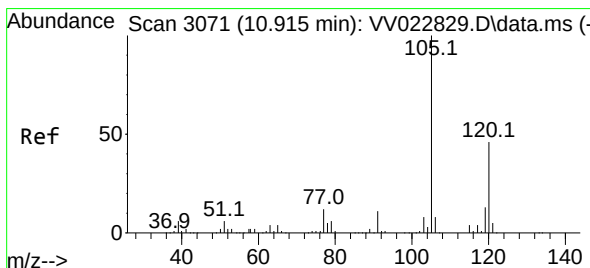
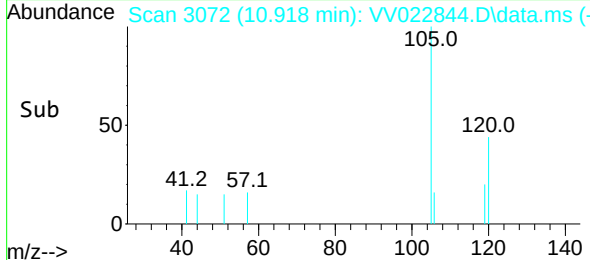
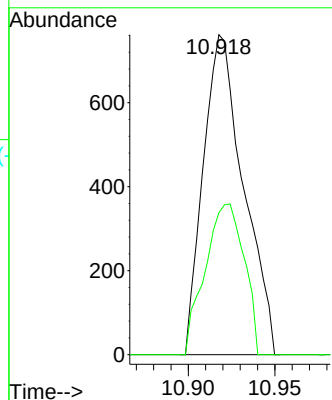
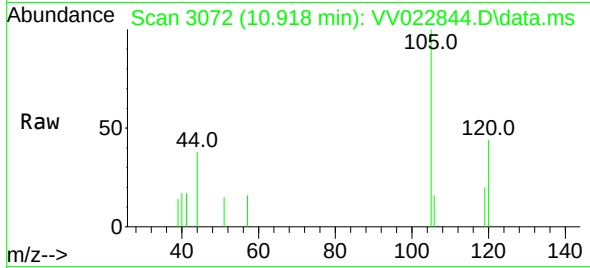




#62
1,3,5-Trimethylbenzene
Concen: 0.053 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.379 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

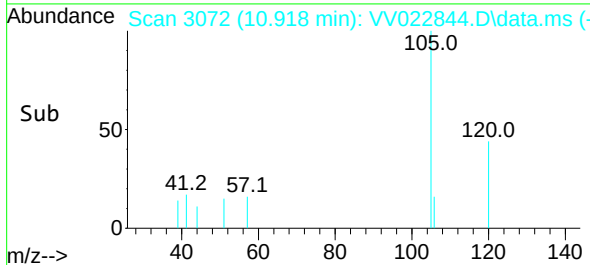
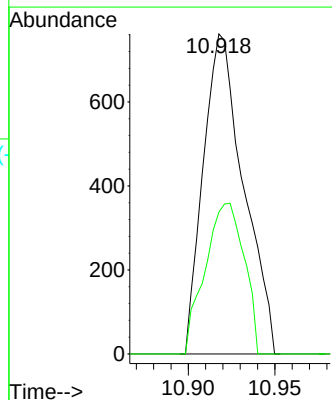
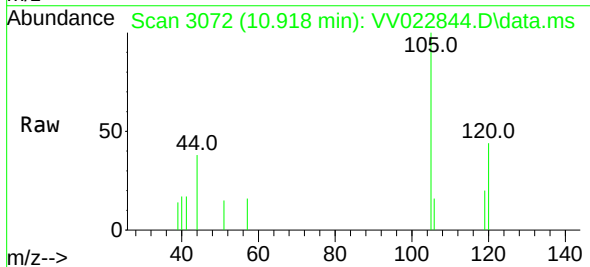
Instrument :
MSVOA_V
ClientSampled :

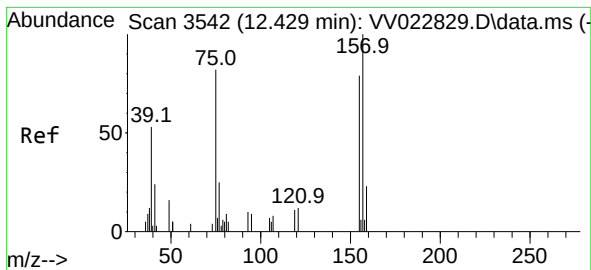
Tgt Ion:105 Resp: 1231
Ion Ratio Lower Upper
105 100
120 45.6 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.053 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV022844.D
Acq: 15 Oct 2021 18:17

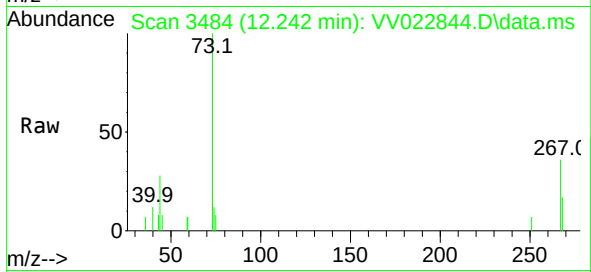
Tgt Ion:105 Resp: 1231
Ion Ratio Lower Upper
105 100
120 45.6 37.3 55.9





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.090 ug/L
 RT: 12.242 min Scan# 3484
 Delta R.T. -0.187 min
 Lab File: VV022844.D
 Acq: 15 Oct 2021 18:17

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

