

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027708.D
 Acq On : 02 Sep 2022 08:44
 Operator : SY/MD
 Sample : N4404-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 04:15:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 02 03:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	130990	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	129489	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	56333	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	54901	3.858	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.568	69	49308	4.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.108	63	88266	3.169	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.400%
20) 2-Butanone-d5	3.886	46	68864	28.622	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	57.240%
24) Chloroform-d	4.346	84	123657	4.329	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.031	65	57708	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.047	84	227791	4.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.066	67	66057	4.026	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.314	98	179852	3.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.625	79	18764	3.713	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.088	63	78978	41.553	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.100%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	42530	4.028	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	59965	4.755	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	774	0.045	ug/L #	67
5) Vinyl chloride	1.311	62	37369	2.297	ug/L	97
6) Bromomethane	1.520	94	310	0.041	ug/L	96
12) 1,1-Dichloroethene	2.114	96	2131	0.195	ug/L #	1
14) Carbon disulfide	2.291	76	2154	0.062	ug/L #	70
17) Methyl tert-butyl Ether	2.770	73	1359	0.058	ug/L #	92
18) trans-1,2-Dichloroethene	2.761	96	13922	1.123	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	893891	72.268	ug/L	94
34) Trichloroethene	5.912	95	58217	4.689	ug/L	97
35) Methylcyclohexane	6.066	83	17177	0.892	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	7869	0.617	ug/L #	89
44) trans-1,3-Dichloropropene	7.622	75	1011	0.080	ug/L	84
47) Tetrachloroethene	7.976	164	11893	1.181	ug/L	98
49) Dibromochloromethane	7.976	129	10892	1.118	ug/L #	12
50) 1,2-Dibromoethane	8.368	107	397	0.054	ug/L #	60
53) m,p-Xylene	9.143	106	4330	0.220	ug/L	85
61) 1,2,3-Trichloropropane	11.246	75	6473	1.136	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.545	105	515	0.044	ug/L #	64

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Quant Time: Sep 03 04:15:07 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 02 03:03:49 2022
Response via : Initial Calibration

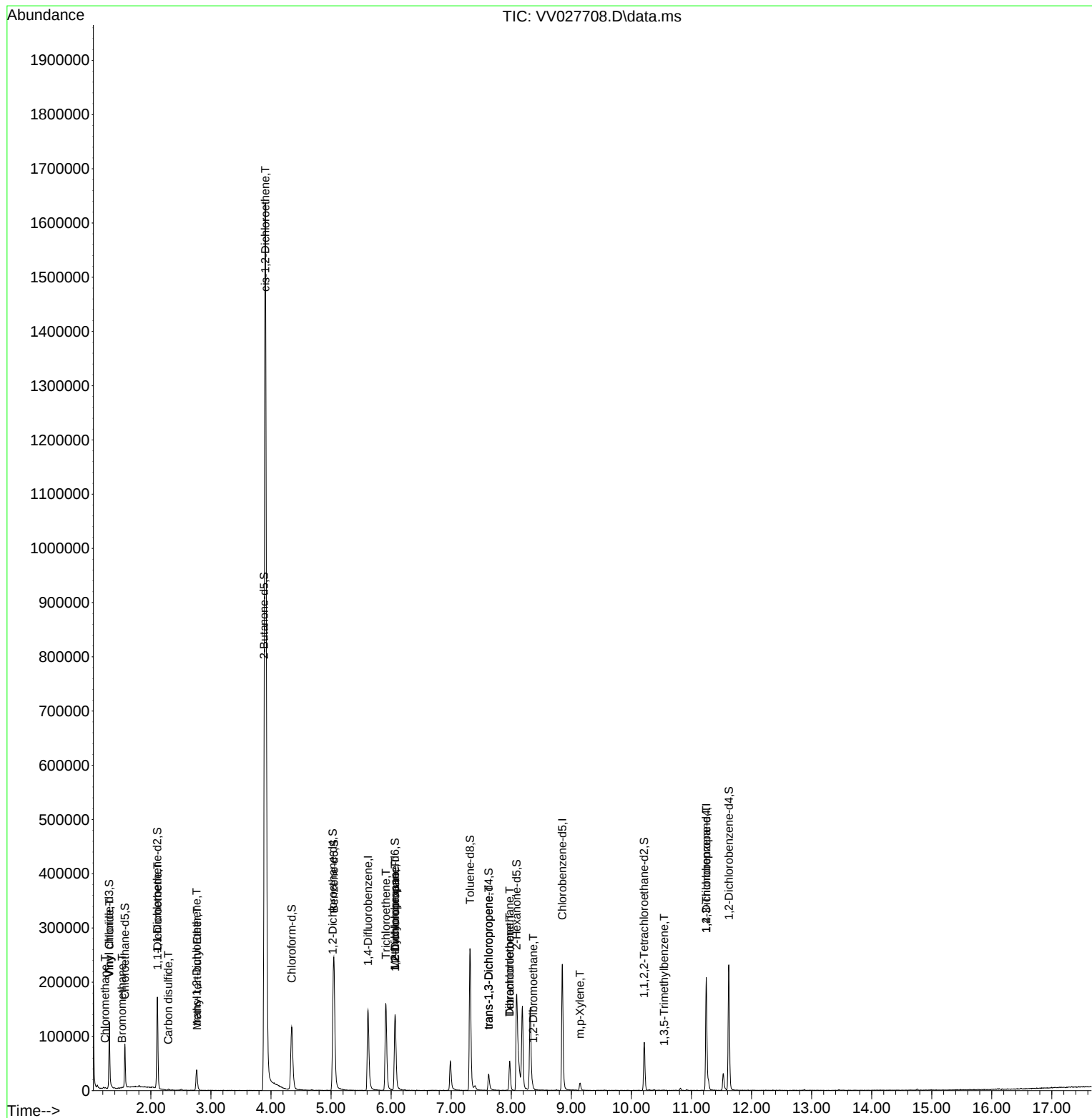
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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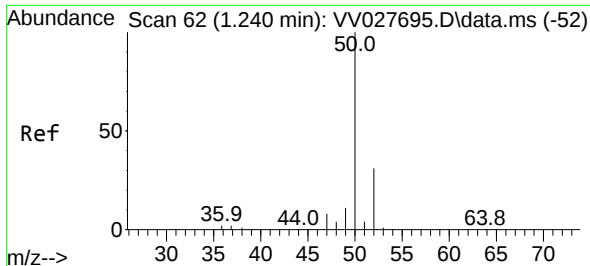
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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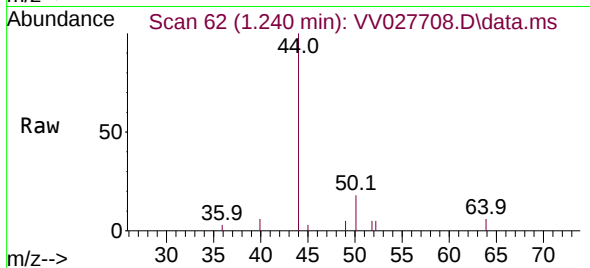
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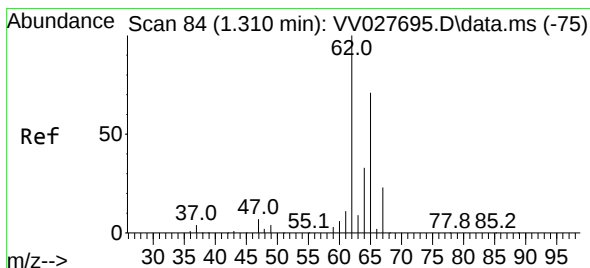
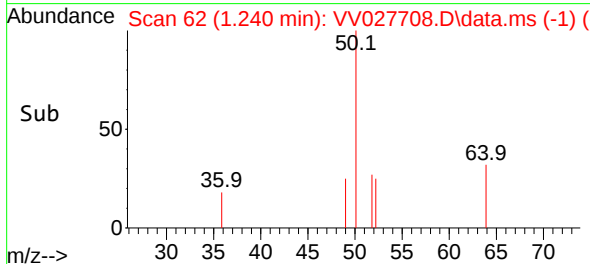
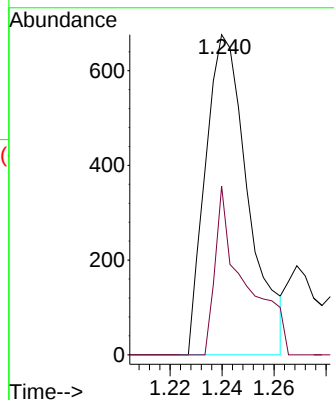


#3
Chloromethane
Concen: 0.045 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Instrument :
MSVOA_V
ClientSampleId :

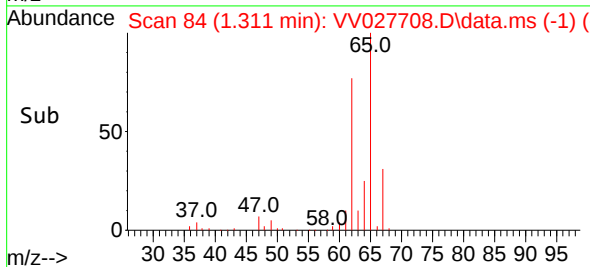
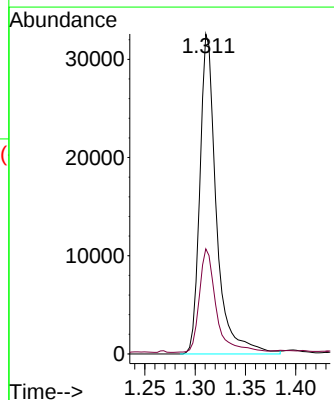
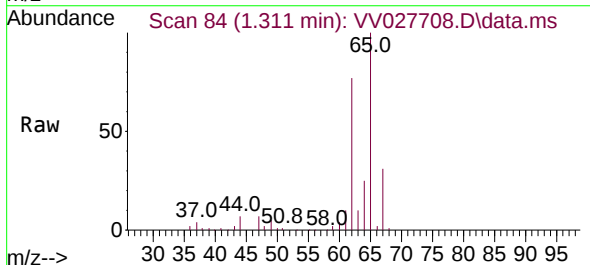


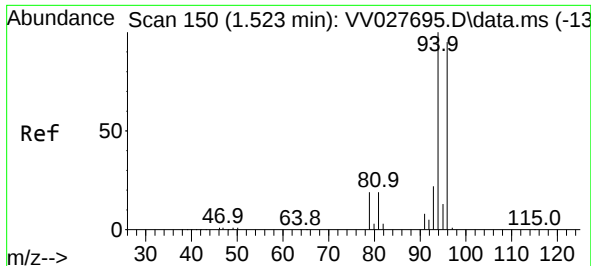
Tgt Ion: 50 Resp: 774
Ion Ratio Lower Upper
50 100
52 52.7 23.5 43.7#



#5
Vinyl chloride
Concen: 2.297 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Tgt Ion: 62 Resp: 37369
Ion Ratio Lower Upper
62 100
64 32.9 21.8 40.4

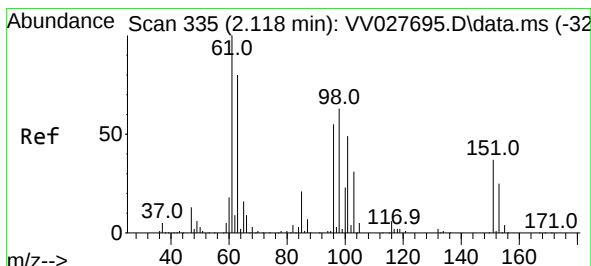
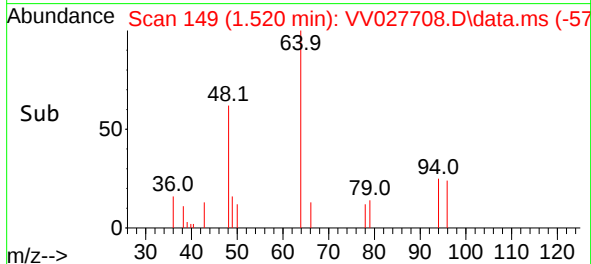
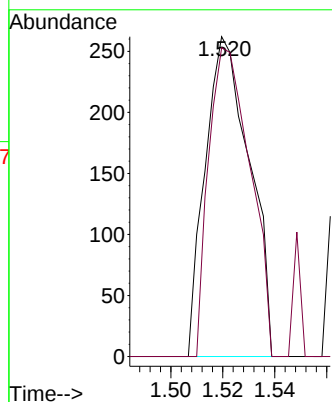
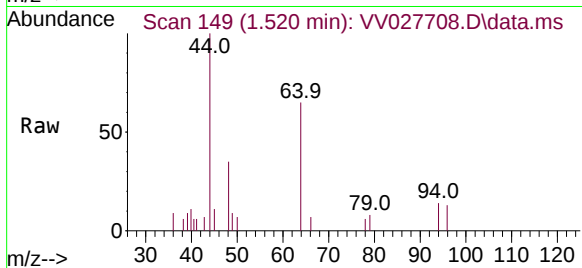




#6
Bromomethane
Concen: 0.041 ug/L
RT: 1.520 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

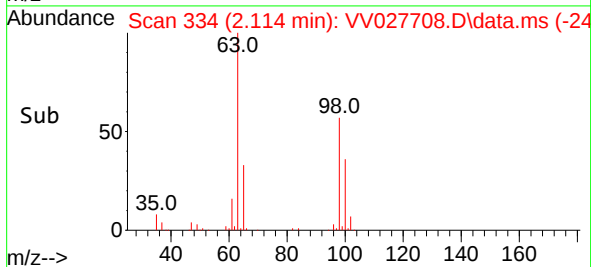
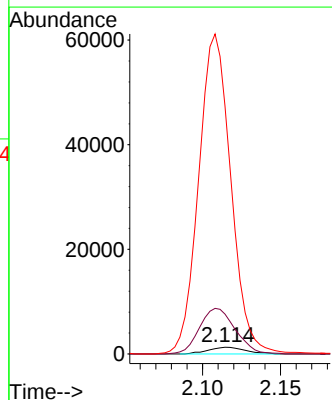
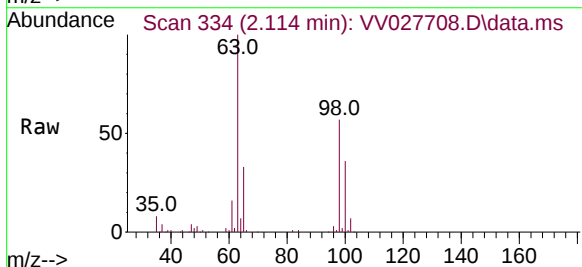
Instrument :
MSVOA_V
ClientSampleId :

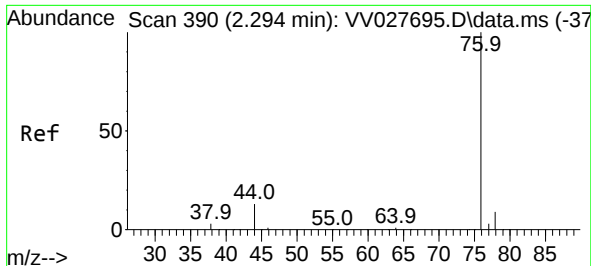
Tgt Ion: 94 Resp: 310
Ion Ratio Lower Upper
94 100
96 96.6 65.1 120.9



#12
1,1-Dichloroethene
Concen: 0.195 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

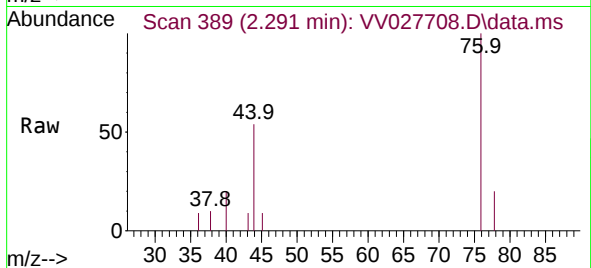
Tgt Ion: 96 Resp: 2131
Ion Ratio Lower Upper
96 100
61 599.1 134.3 249.3#
63 3728.7 105.7 196.3#



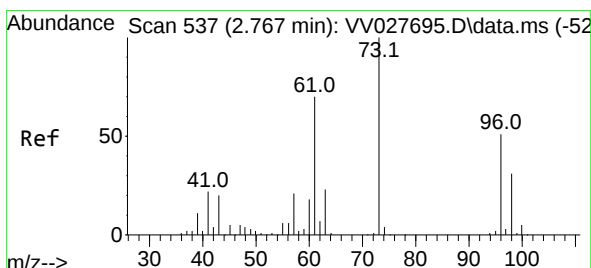
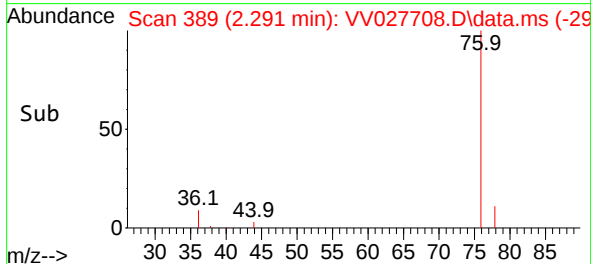
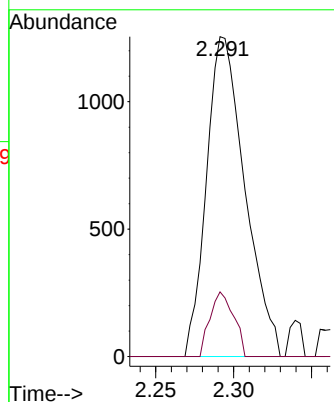


#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.291 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Instrument :
MSVOA_V
ClientSampleId :

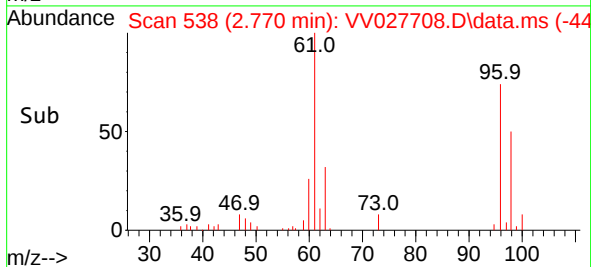
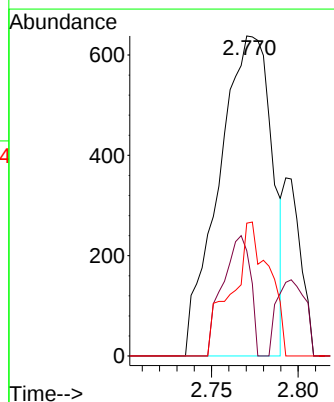
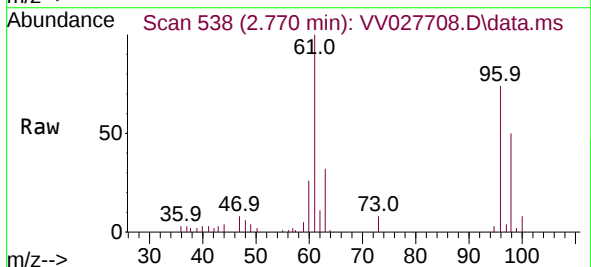


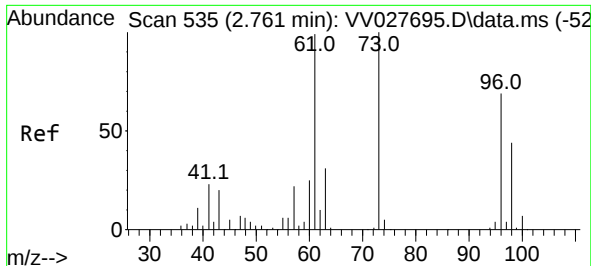
Tgt Ion: 76 Resp: 2154
Ion Ratio Lower Upper
76 100
78 20.2 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.058 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

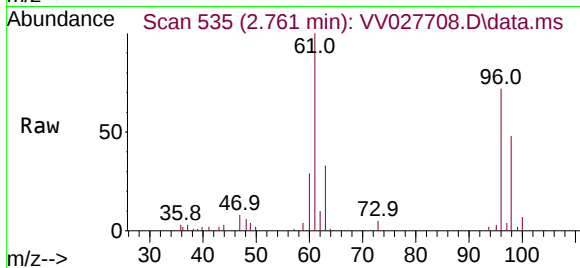
Tgt Ion: 73 Resp: 1359
Ion Ratio Lower Upper
73 100
43 19.7 16.5 24.7
57 29.3 18.2 27.2#





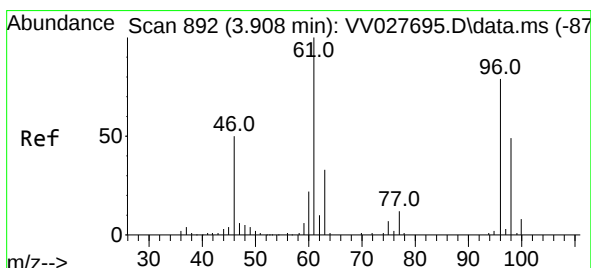
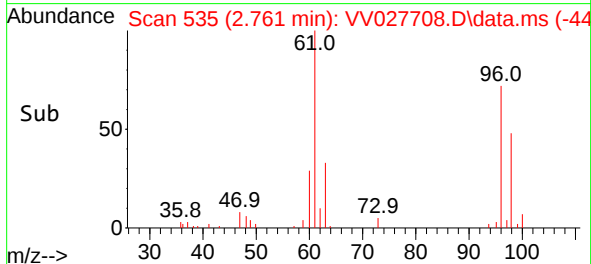
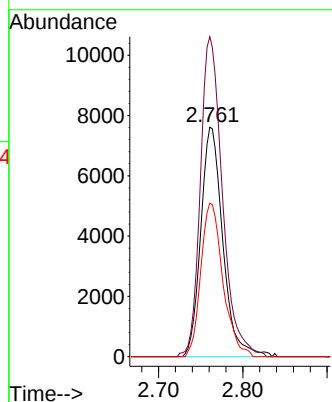
#18
trans-1,2-Dichloroethene
Concen: 1.123 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 13922

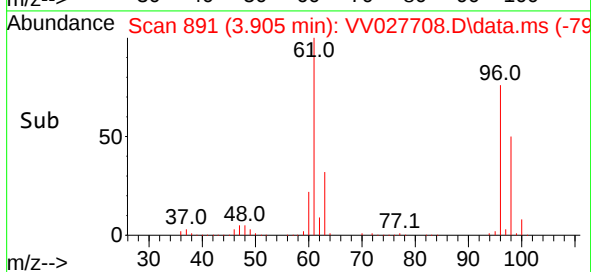
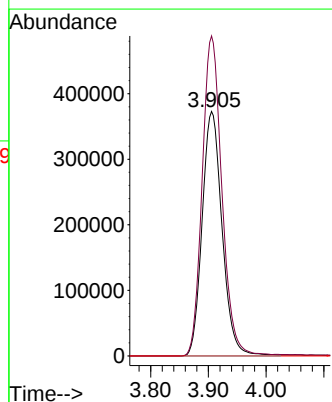
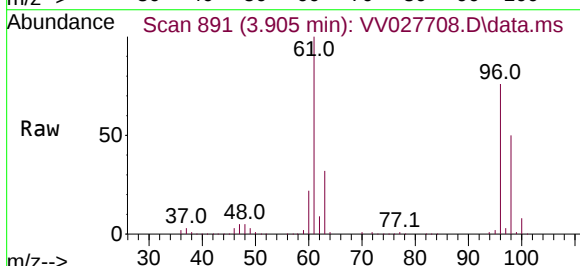
Ion	Ratio	Lower	Upper
96	100		
61	139.4	101.8	189.0
98	66.9	44.9	83.3

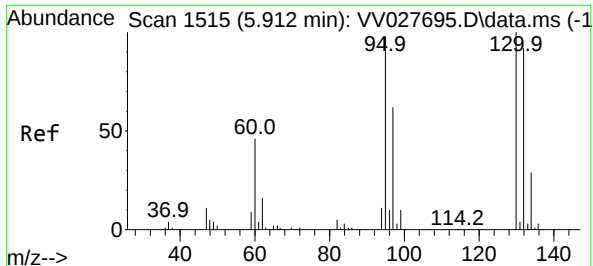


#22
cis-1,2-Dichloroethene
Concen: 72.268 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Tgt Ion: 96 Resp: 893891

Ion	Ratio	Lower	Upper
96	100		
61	130.9	96.9	180.1
68	0.0	0.0	0.0

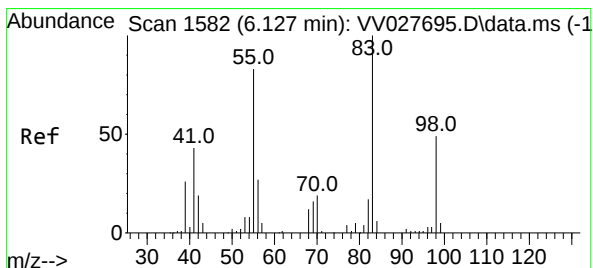
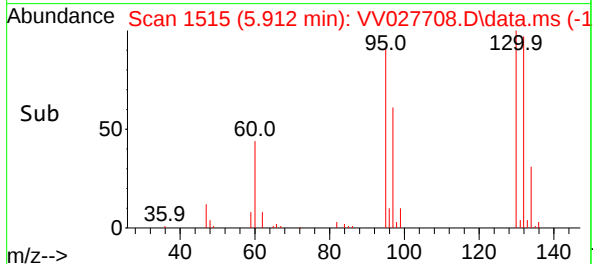
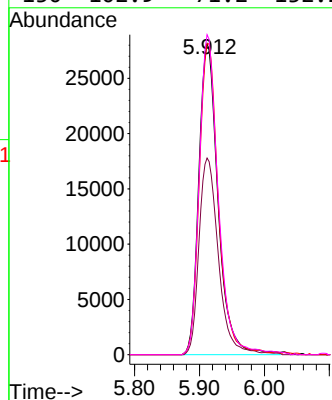
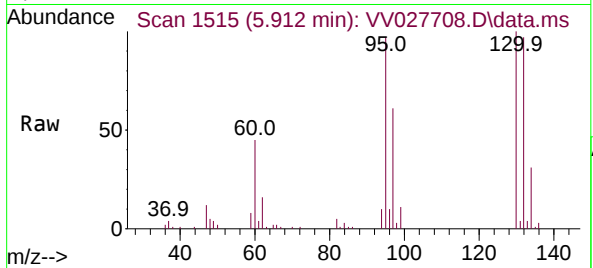




#34
Trichloroethene
Concen: 4.689 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

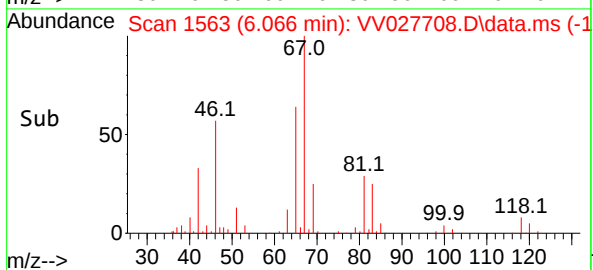
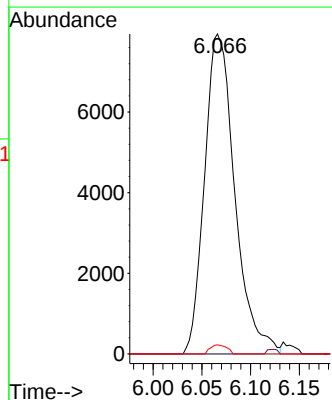
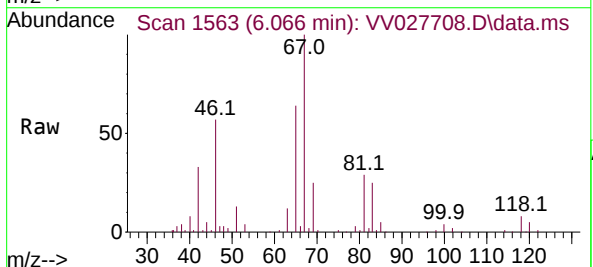
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MSVOA_V
ClientSampleId :

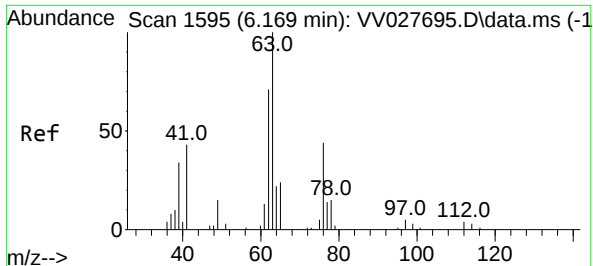
Tgt Ion:	95	Resp:	58217
Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.1	85.5
132	100.0	67.3	125.1
130	102.9	71.2	132.2



#35
Methylcyclohexane
Concen: 0.892 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Tgt Ion:	83	Resp:	17177
Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.0	99.0#
98	1.5	36.9	55.3#





#37

1,2-Dichloropropane

Concen: 0.617 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV027708.D

Acq: 02 Sep 2022 08:44

Instrument :

MSVOA_V

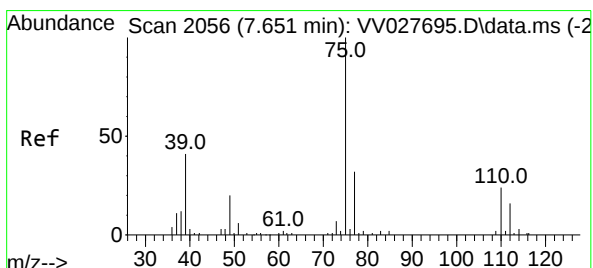
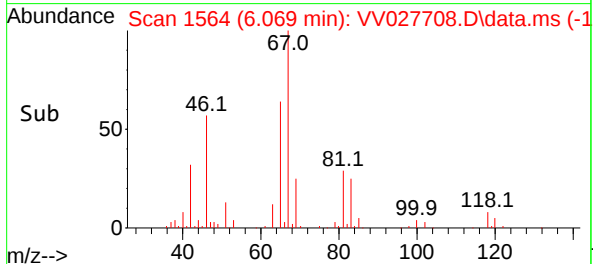
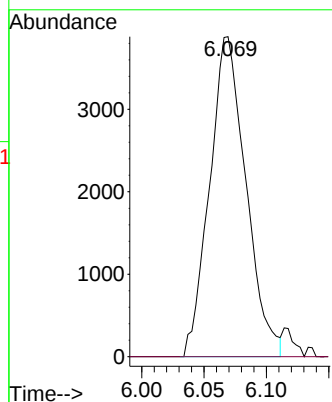
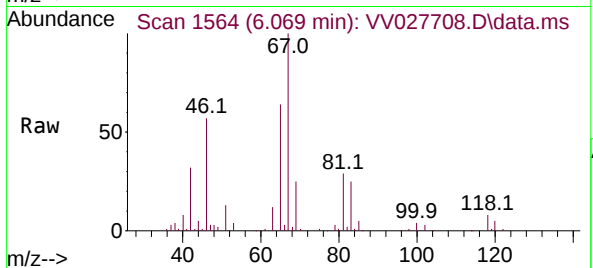
ClientSampleId :

Tgt Ion: 63 Resp: 7869

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.029 min

Lab File: VV027708.D

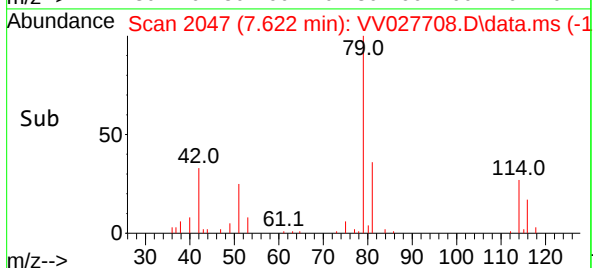
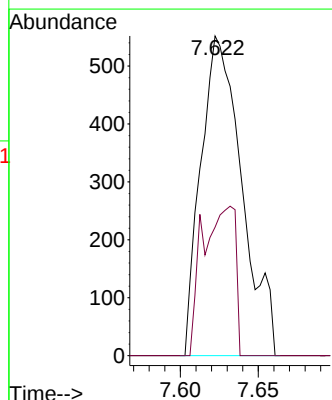
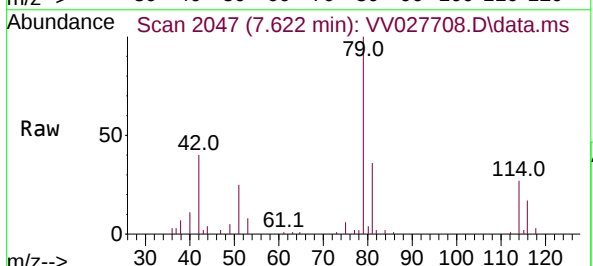
Acq: 02 Sep 2022 08:44

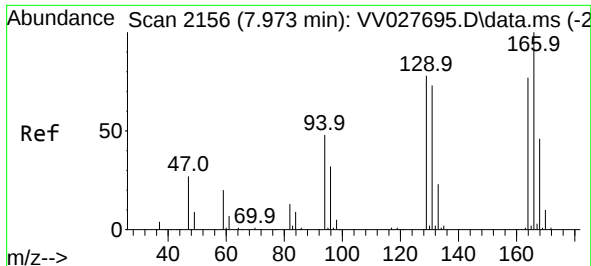
Tgt Ion: 75 Resp: 1011

Ion Ratio Lower Upper

75 100

77 40.2 22.0 41.0

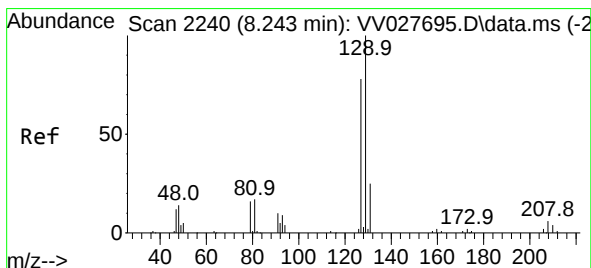
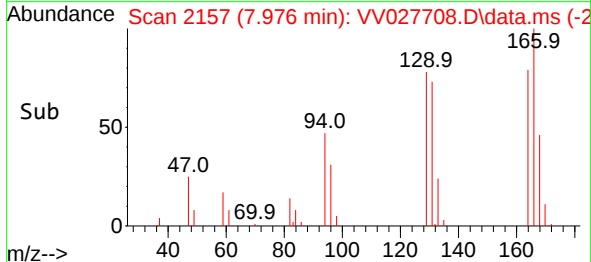
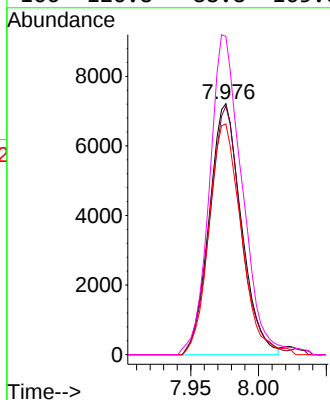
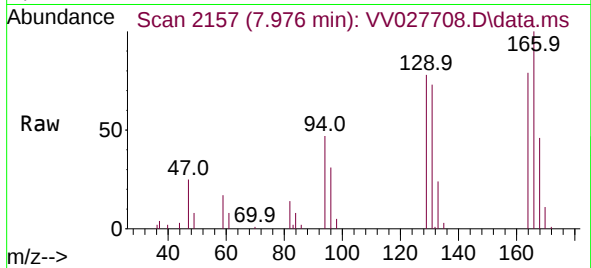




#47
Tetrachloroethene
Concen: 1.181 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

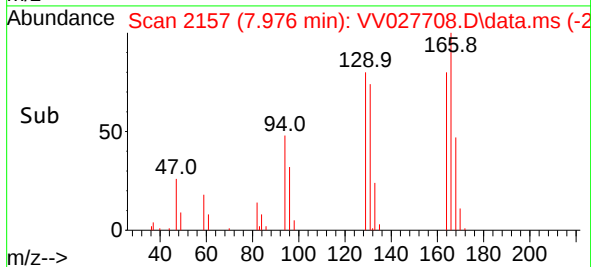
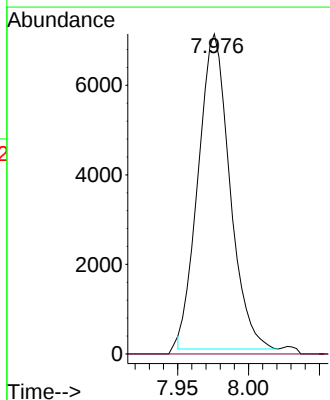
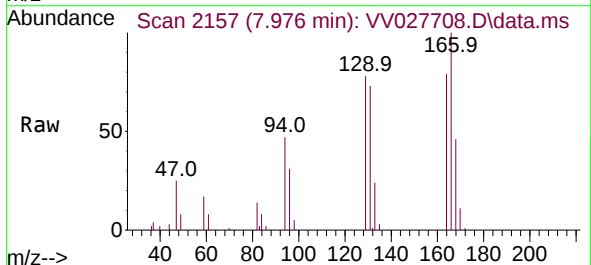
Instrument :
MSVOA_V
ClientSampleId :

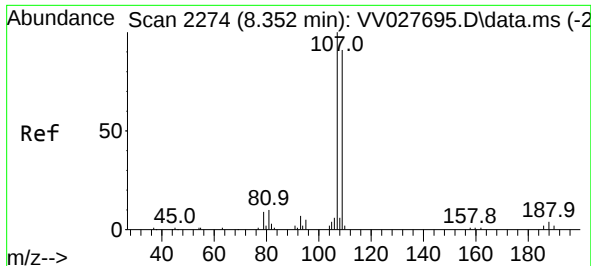
Tgt Ion:164	Resp:	11893
Ion Ratio	Lower	Upper
164	100	
129	99.0	65.9 122.3
131	91.9	64.5 119.7
166	126.8	88.8 165.0



#49
Dibromochloromethane
Concen: 1.118 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV027708.D
Acq: 02 Sep 2022 08:44

Tgt Ion:129	Resp:	10892
Ion Ratio	Lower	Upper
129	100	
127	0.0	52.4 97.4#





#50

1,2-Dibromoethane

Concen: 0.054 ug/L

RT: 8.368 min Scan# 21

Delta R.T. 0.016 min

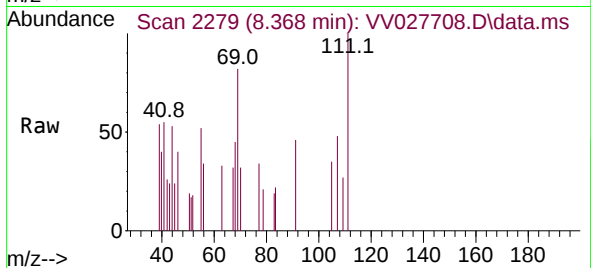
Lab File: VV027708.D

Acq: 02 Sep 2022 08:44

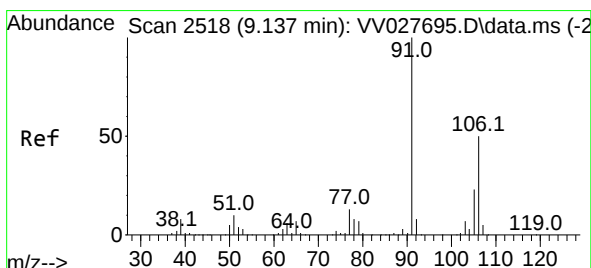
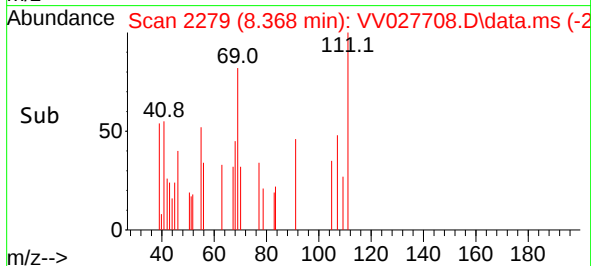
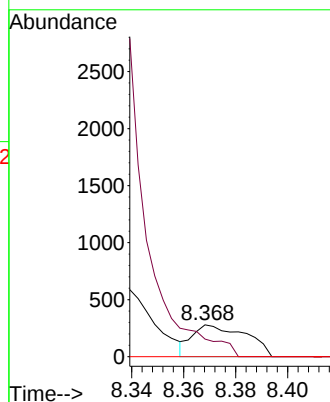
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	397
Ion	Ratio	Lower	Upper
107	100		
109	55.0	66.2	123.0#
188	0.0	2.6	3.8#



#53

m,p-Xylene

Concen: 0.220 ug/L

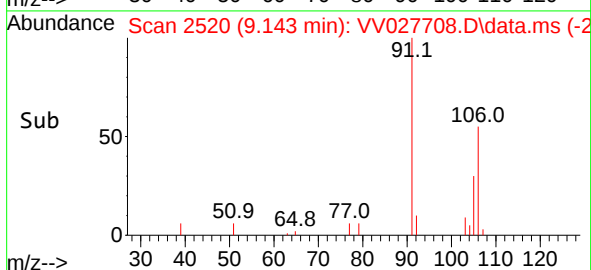
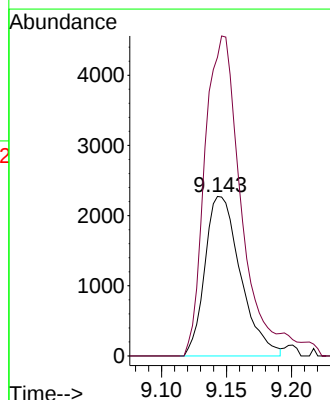
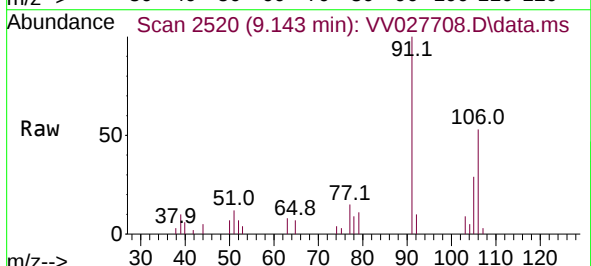
RT: 9.143 min Scan# 2520

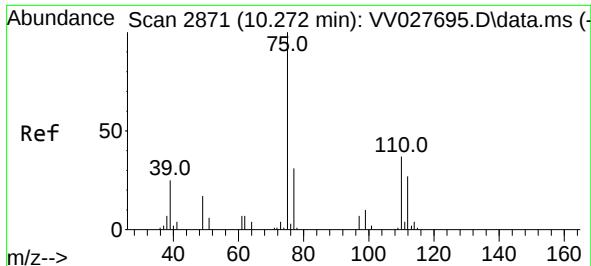
Delta R.T. 0.007 min

Lab File: VV027708.D

Acq: 02 Sep 2022 08:44

Tgt Ion:	106	Resp:	4330
Ion	Ratio	Lower	Upper
106	100		
91	187.3	147.3	273.5

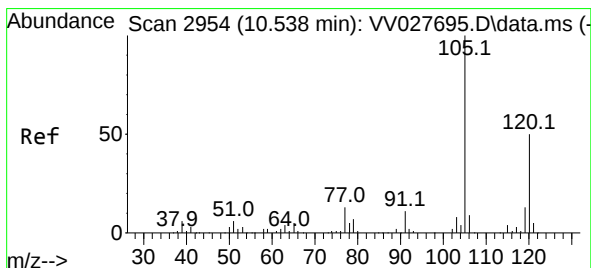
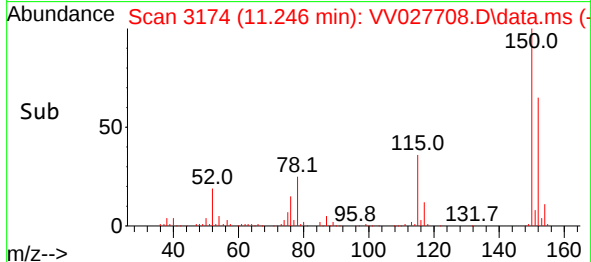
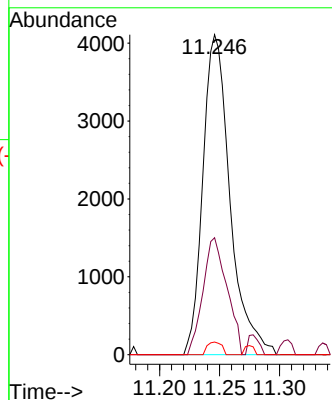
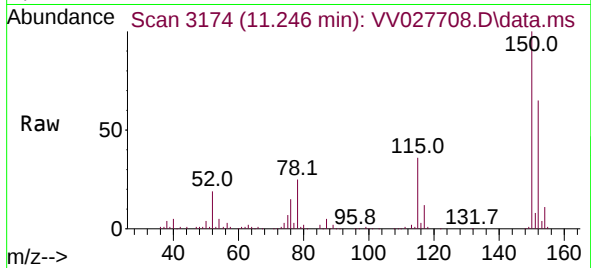




#61
 1,2,3-Trichloropropane
 Concen: 1.136 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV027708.D
 Acq: 02 Sep 2022 08:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 6473
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6
 110 2.1 29.8 44.8#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.044 ug/L
 RT: 10.545 min Scan# 2956
 Delta R.T. 0.007 min
 Lab File: VV027708.D
 Acq: 02 Sep 2022 08:44

Tgt Ion: 105 Resp: 515
 Ion Ratio Lower Upper
 105 100
 120 25.8 40.4 60.6#

