

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103023\
 Data File : VV032768.D
 Acq On : 30 Oct 2023 13:40
 Operator : SY/MD
 Sample : 05019-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 31 02:26:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 31 02:23:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	124046	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	144142	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	63142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	46141	4.529	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.532	69	48237	5.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.400%
11) 1,1-Dichloroethene-d2	2.060	65	20610	4.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	3.799	46	92381	41.992	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.980%
24) Chloroform-d	4.256	84	86512	5.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	4.947	65	43885	5.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	4.963	84	172031	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.992	67	52091	5.242	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.249	98	159491	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.561	79	19508	4.449	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.027	63	76073	43.774	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.540%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	44419	5.026	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	58402	5.664	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.085	85	3009	0.236	ug/L #	83
3) Chloromethane	1.224	50	1306	0.087	ug/L #	61
5) Vinyl chloride	1.282	62	21824	1.464	ug/L	94
8) Chloroethane	1.548	64	2679	0.275	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	10326	0.873	ug/L	94
12) 1,1-Dichloroethene	2.073	96	2381	0.215	ug/L #	1
13) Acetone	2.130	43	4152	1.912	ug/L	69
19) 1,1-Dichloroethane	3.118	63	25357	1.305	ug/L	93
22) cis-1,2-Dichloroethene	3.818	96	143807	12.938	ug/L	96
29) 1,1,1-Trichloroethane	4.516	97	116886	6.287	ug/L	99
31) Carbon tetrachloride	4.523	117	15039	0.930	ug/L	97
34) Trichloroethene	5.844	95	5985	0.493	ug/L	90
42) Toluene	7.323	91	65107	1.233	ug/L	97
44) trans-1,3-Dichloropropene	7.564	75	1360	0.095	ug/L	83
47) Tetrachloroethene	7.912	164	1632	0.152	ug/L #	73
52) Ethylbenzene	8.960	91	2383	0.043	ug/L #	77
53) m,p-Xylene	9.082	106	2238	0.107	ug/L	72

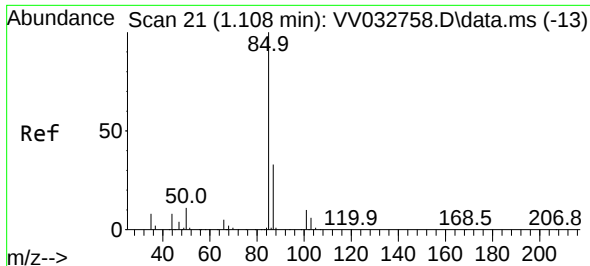
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103023\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
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Response via : Initial Calibration

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

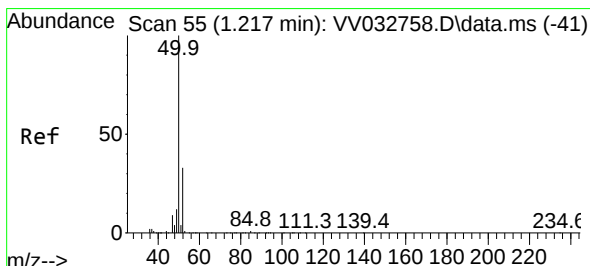
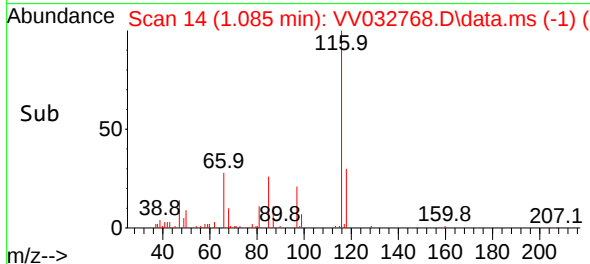
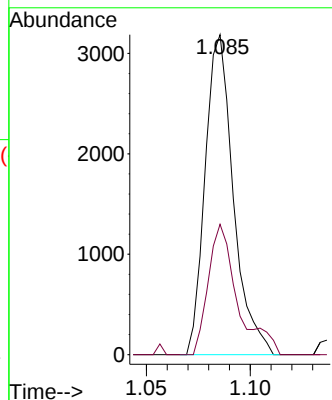
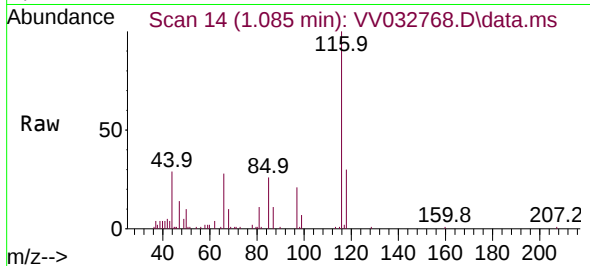
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#2
 Dichlorodifluoromethane
 Concen: 0.236 ug/L
 RT: 1.085 min Scan# 14
 Delta R.T. -0.023 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

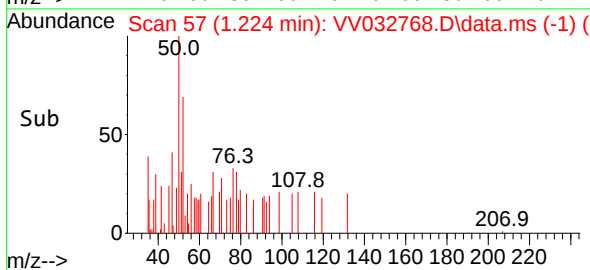
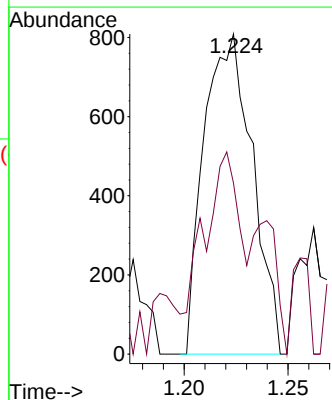
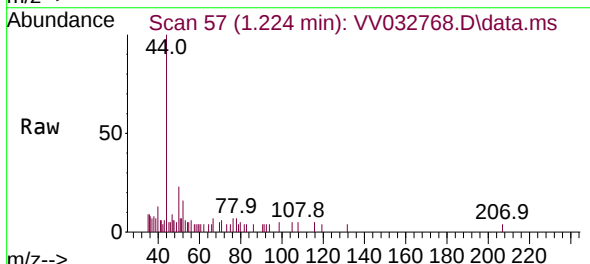
Instrument :
 MSVOA_V
 ClientSampleId :

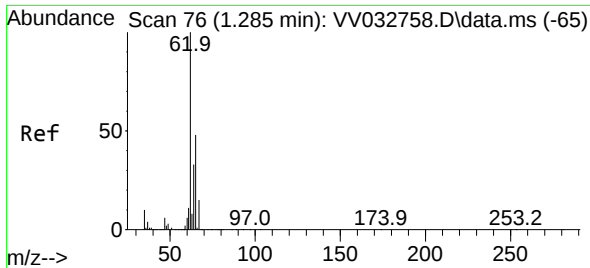
Tgt Ion: 85 Resp: 3009
 Ion Ratio Lower Upper
 85 100
 87 42.1 25.9 38.9#



#3
 Chloromethane
 Concen: 0.087 ug/L
 RT: 1.224 min Scan# 57
 Delta R.T. 0.006 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

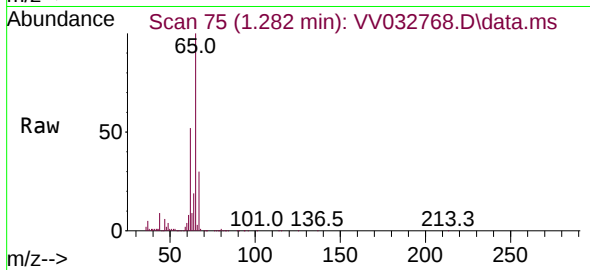
Tgt Ion: 50 Resp: 1306
 Ion Ratio Lower Upper
 50 100
 52 53.4 22.3 41.5#



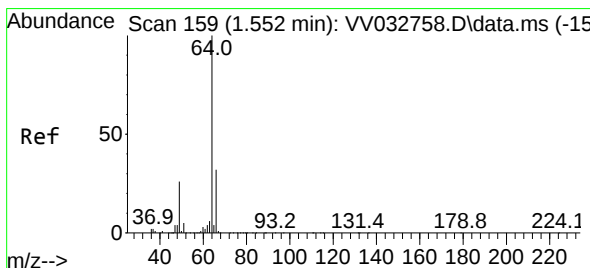
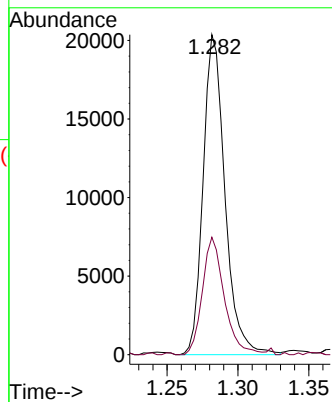
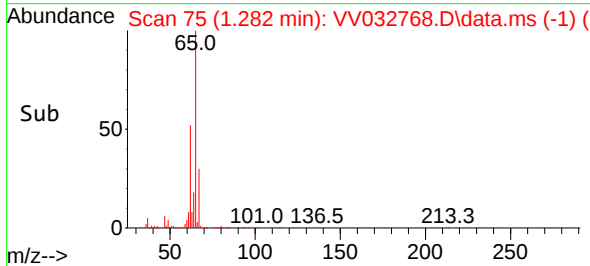


#5
 Vinyl chloride
 Concen: 1.464 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

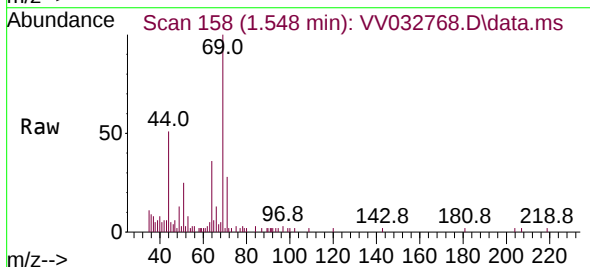
Instrument :
 MSVOA_V
 ClientSampleId :



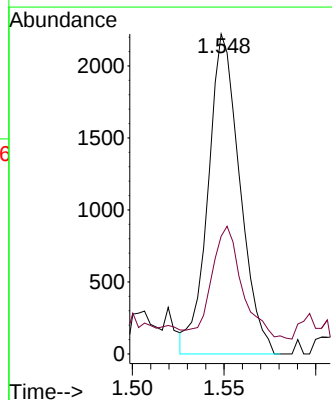
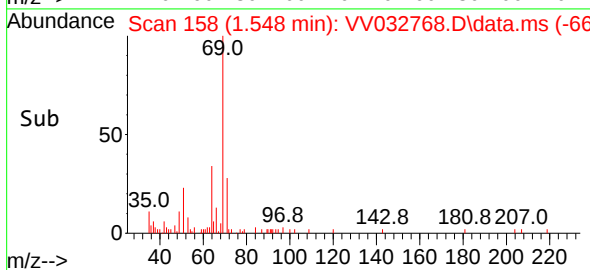
Tgt Ion: 62 Resp: 21824
 Ion Ratio Lower Upper
 62 100
 64 36.7 23.2 43.0

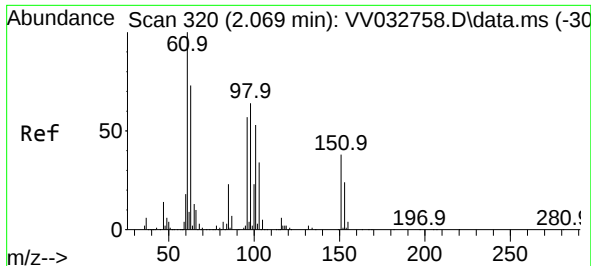


#8
 Chloroethane
 Concen: 0.275 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40



Tgt Ion: 64 Resp: 2679
 Ion Ratio Lower Upper
 64 100
 66 31.6 22.3 41.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.873 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

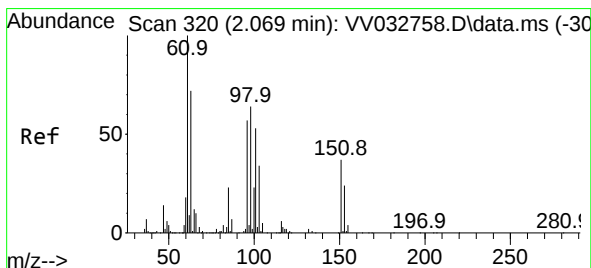
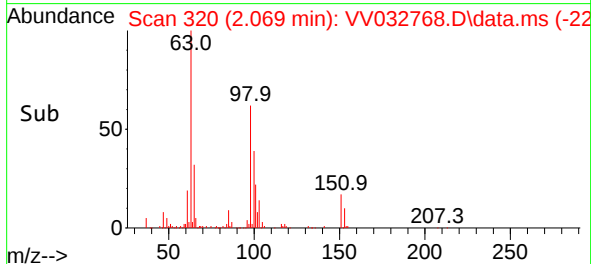
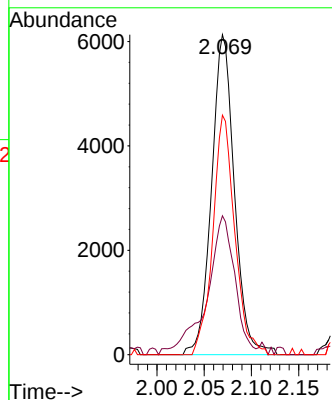
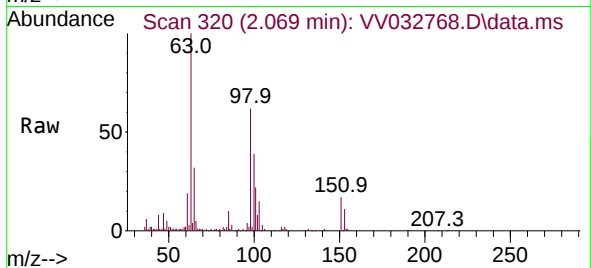
Tgt Ion:101 Resp: 10326

Ion Ratio Lower Upper

101 100

85 53.1 36.2 54.4

151 71.6 59.0 88.6



#12

1,1-Dichloroethene

Concen: 0.215 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

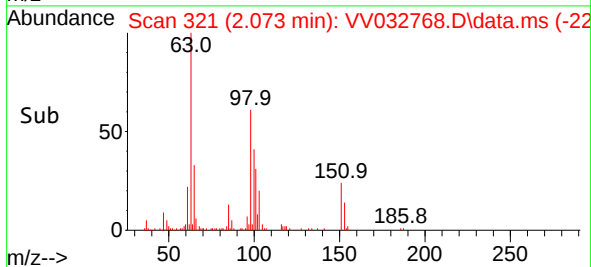
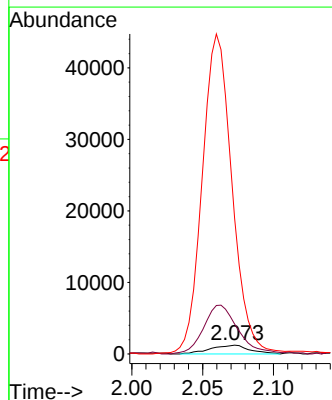
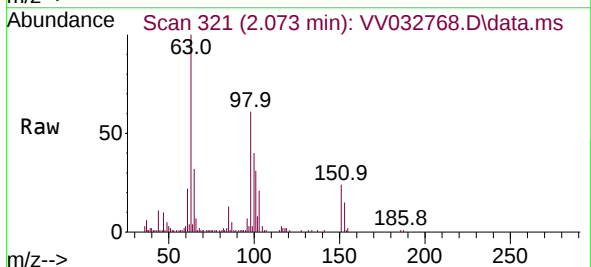
Tgt Ion: 96 Resp: 2381

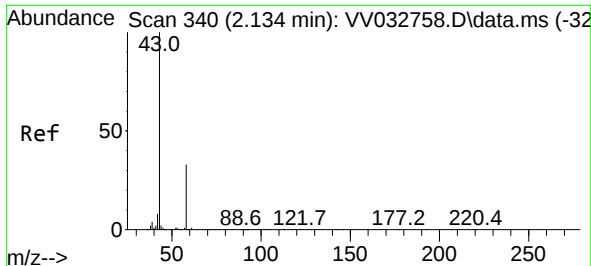
Ion Ratio Lower Upper

96 100

61 336.4 122.3 227.1#

63 1527.9 89.4 166.0#





#13

Acetone

Concen: 1.912 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Instrument :

MSVOA_V

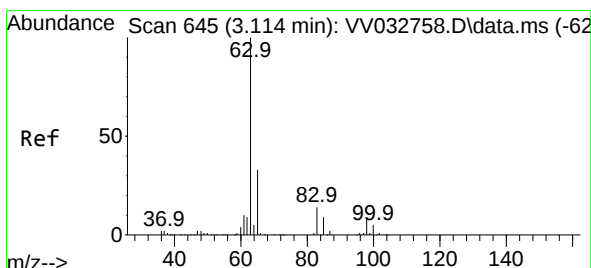
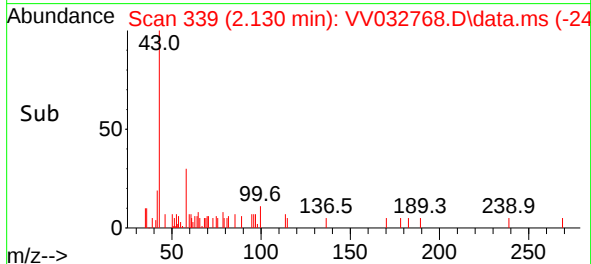
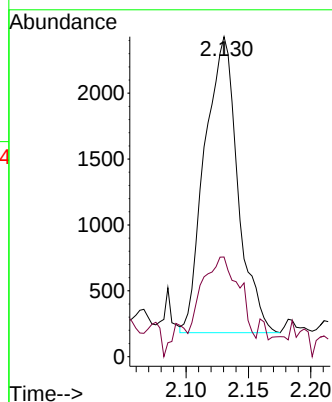
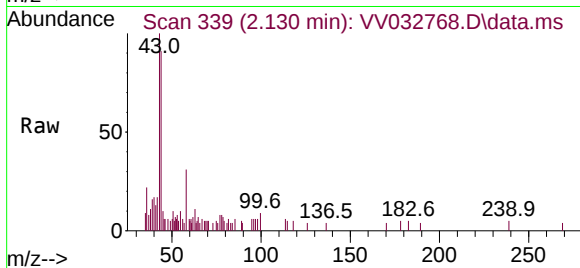
ClientSampleId :

Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

43 100

58 40.7 0.0 50.6



#19

1,1-Dichloroethane

Concen: 1.305 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

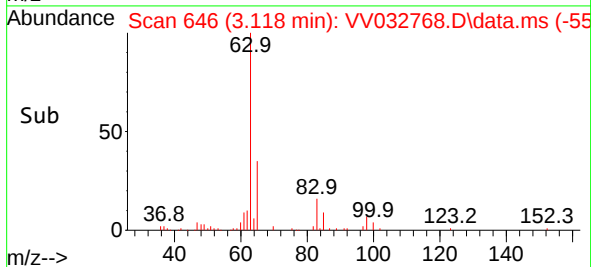
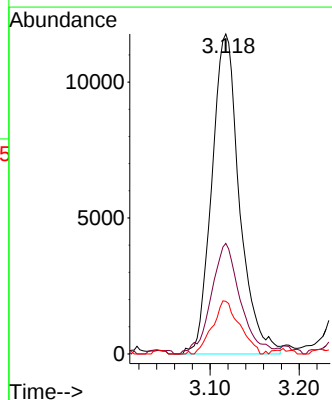
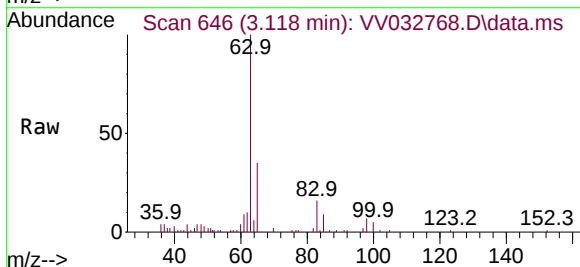
Tgt Ion: 63 Resp: 25357

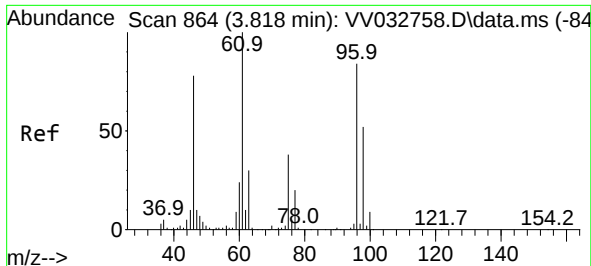
Ion Ratio Lower Upper

63 100

65 34.5 21.5 39.9

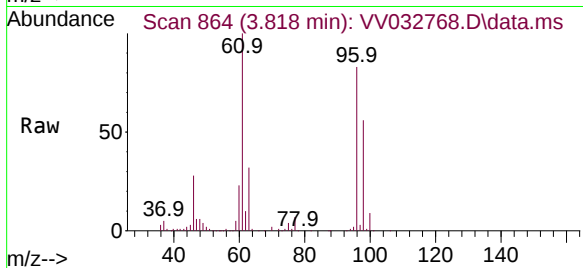
83 16.5 9.2 17.0





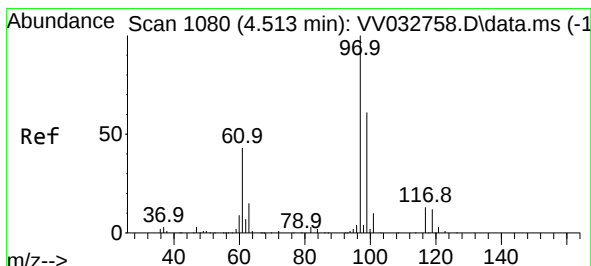
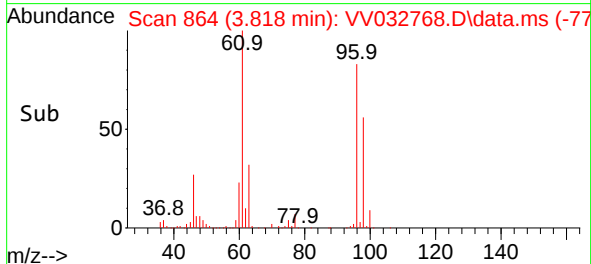
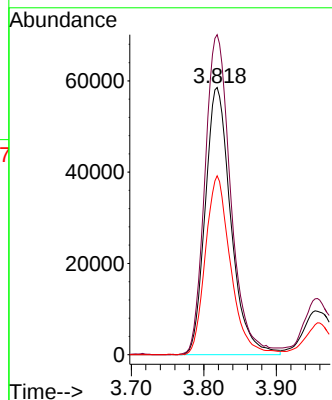
#22
 cis-1,2-Dichloroethene
 Concen: 12.938 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 143807

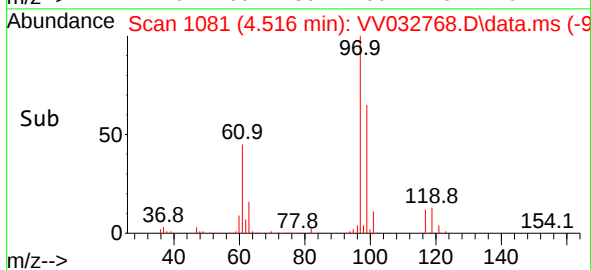
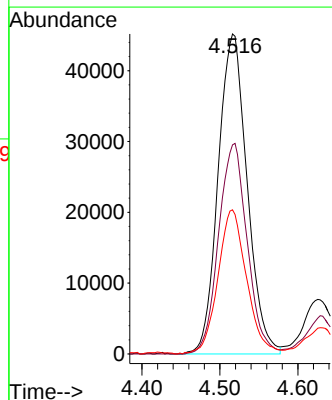
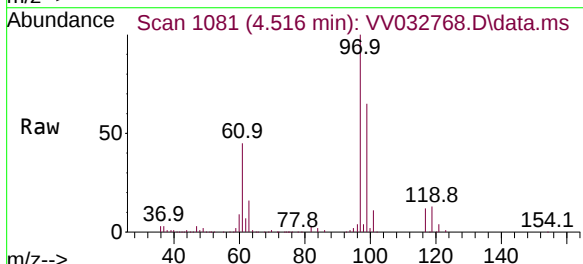
Ion	Ratio	Lower	Upper
96	100		
61	119.8	87.7	162.9
98	67.0	45.0	83.6

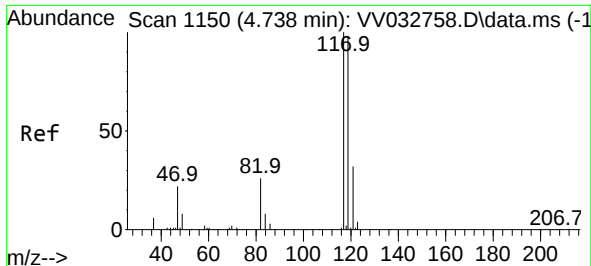


#29
 1,1,1-Trichloroethane
 Concen: 6.287 ug/L
 RT: 4.516 min Scan# 1081
 Delta R.T. 0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Tgt Ion: 97 Resp: 116886

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.6	36.1	54.1

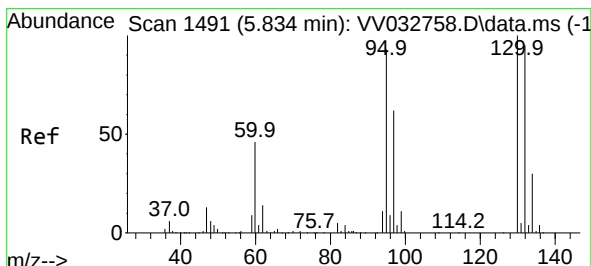
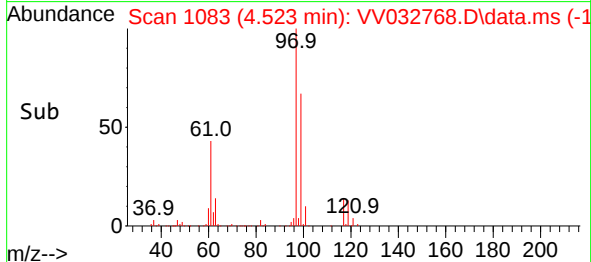
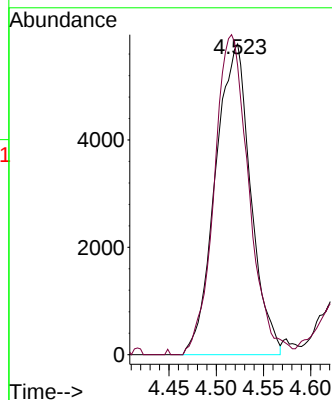
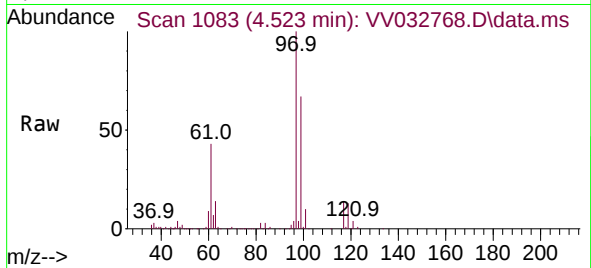




#31
Carbon tetrachloride
Concen: 0.930 ug/L
RT: 4.523 min Scan# 1150
Delta R.T. -0.215 min
Lab File: VV032768.D
Acq: 30 Oct 2023 13:40

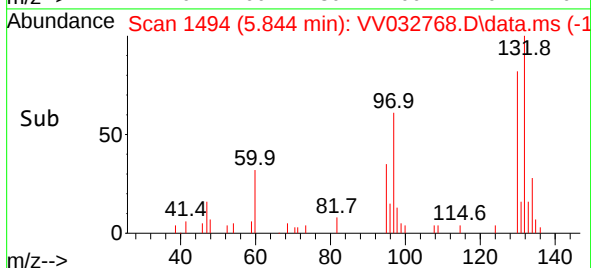
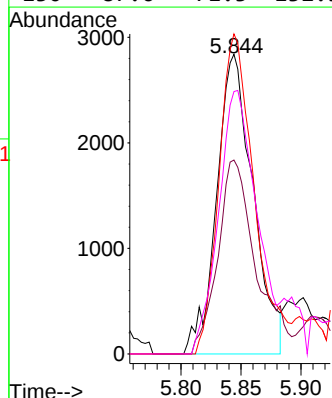
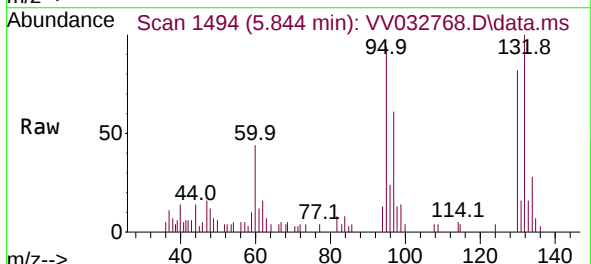
Instrument :
MSVOA_V
ClientSampleId :

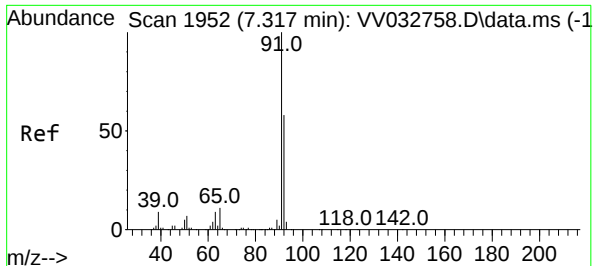
Tgt Ion:117 Resp: 15039
Ion Ratio Lower Upper
117 100
119 100.6 77.8 116.6



#34
Trichloroethene
Concen: 0.493 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.010 min
Lab File: VV032768.D
Acq: 30 Oct 2023 13:40

Tgt Ion: 95 Resp: 5985
Ion Ratio Lower Upper
95 100
97 64.7 44.0 81.8
132 106.8 66.9 124.3
130 87.6 71.3 132.3





#42

Toluene

Concen: 1.233 ug/L

RT: 7.323 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Instrument :

MSVOA_V

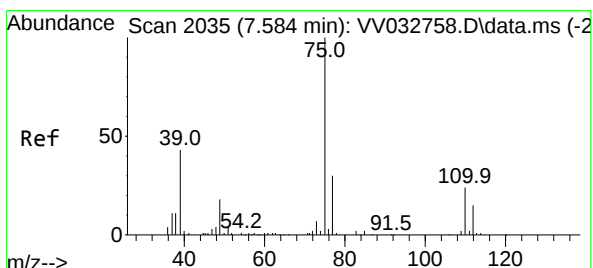
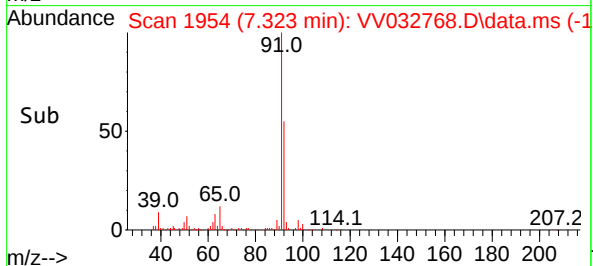
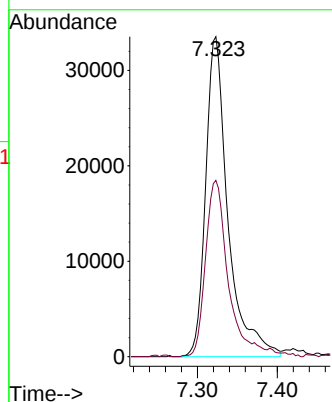
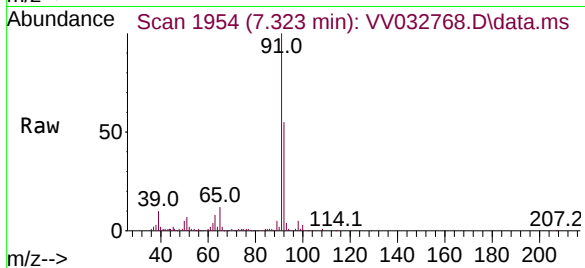
ClientSampleId :

Tgt Ion: 91 Resp: 65107

Ion Ratio Lower Upper

91 100

92 55.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.564 min Scan# 2029

Delta R.T. -0.019 min

Lab File: VV032768.D

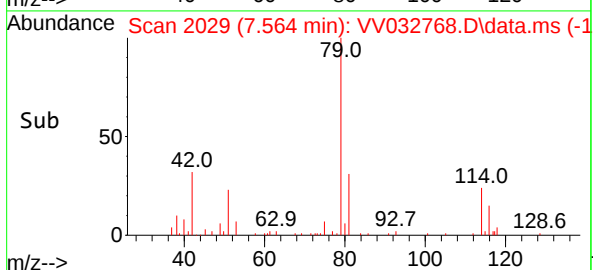
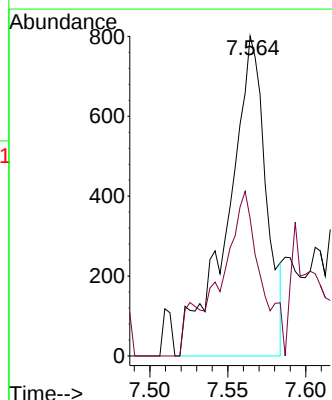
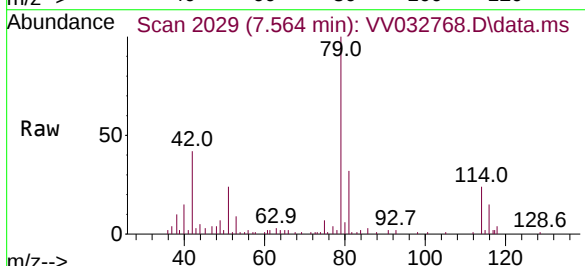
Acq: 30 Oct 2023 13:40

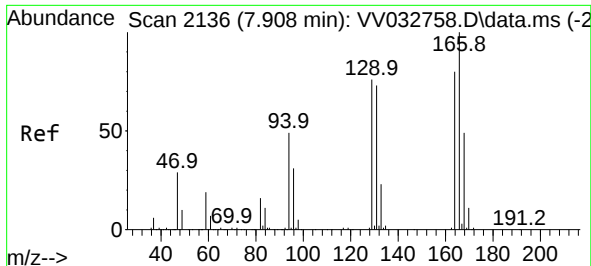
Tgt Ion: 75 Resp: 1360

Ion Ratio Lower Upper

75 100

77 42.9 23.4 43.4





#47

Tetrachloroethene

Concen: 0.152 ug/L

RT: 7.912 min Scan# 2136

Delta R.T. 0.003 min

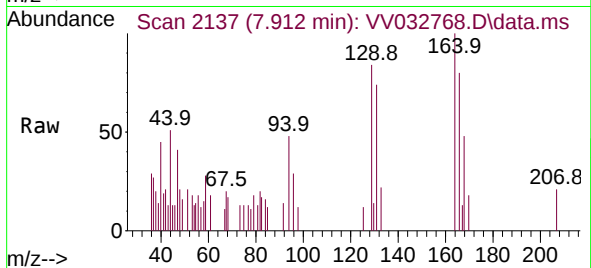
Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

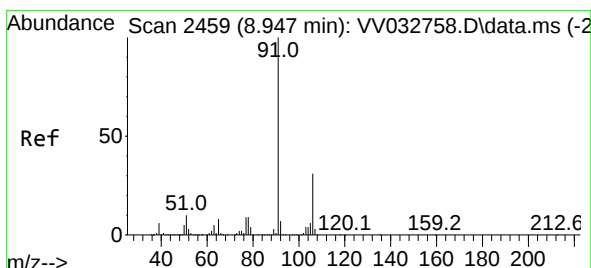
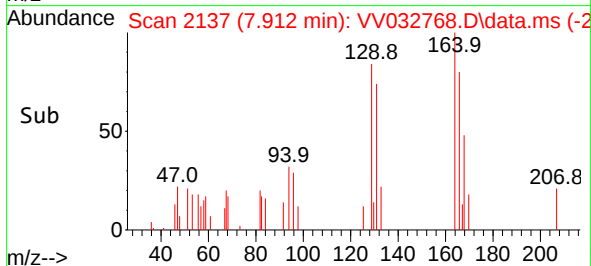
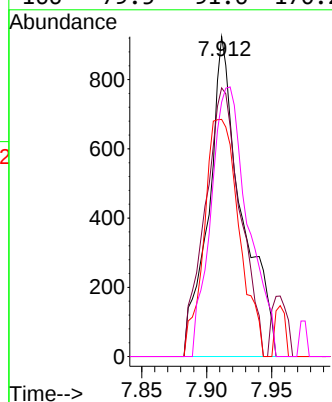
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164	Resp:	1632	
Ion	Ratio	Lower	Upper
164	100		
129	84.0	65.3	121.3
131	74.1	66.6	123.8
166	79.5	91.6	170.2#



#52

Ethylbenzene

Concen: 0.043 ug/L

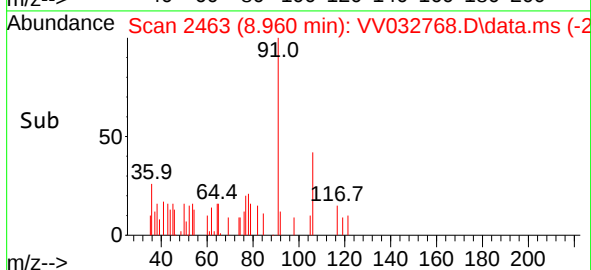
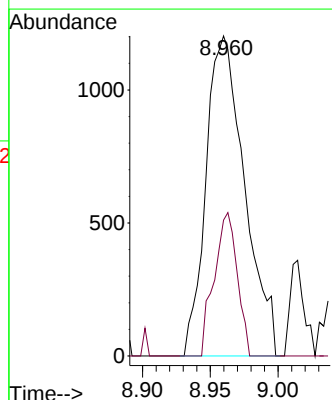
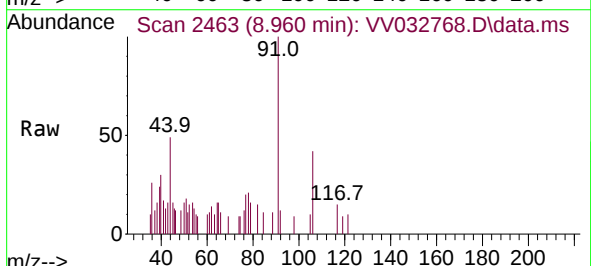
RT: 8.960 min Scan# 2463

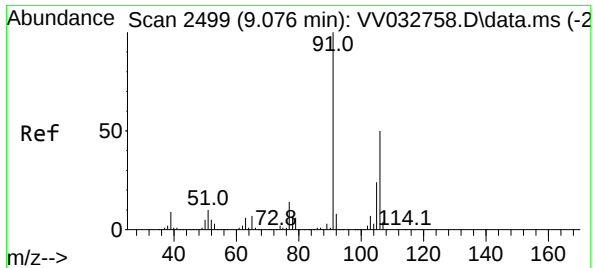
Delta R.T. 0.013 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Tgt Ion: 91	Resp:	2383	
Ion Ratio	Lower	Upper	
91 100			
106 42.5	20.9	38.9#	





#53
 m,p-Xylene
 Concen: 0.107 ug/L
 RT: 9.082 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:106 Resp: 2238
 Ion Ratio Lower Upper
 106 100
 91 156.6 139.3 258.7

