

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029217.D
 Acq On : 20 Nov 2022 11:57
 Operator : SY/MD
 Sample : N5651-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:56:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	316301	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	291182	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	135982	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	91346	4.737	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.568	69	74615	4.402	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.105	63	117629	3.347	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.000%
20) 2-Butanone-d5	3.892	46	170374	52.781	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.560%
24) Chloroform-d	4.343	84	170597	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.031	65	77555	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.047	84	350735	4.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	6.066	67	103950	4.283	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.310	98	306304	3.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.622	79	32600	4.118	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.088	63	146596	43.388	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.780%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	72253	4.294	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	105850	4.351	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	8276	0.314	ug/L	98
3) Chloromethane	1.240	50	3133	0.143	ug/L	93
6) Bromomethane	1.523	94	1058	0.071	ug/L #	67
8) Chloroethane	1.307	64	9415	0.642	ug/L	85
9) Trichlorofluoromethane	1.751	101	2131	0.063	ug/L	87
12) 1,1-Dichloroethene	2.114	96	3350	0.175	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	18672	0.455	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	1233	0.056	ug/L	97
19) 1,1-Dichloroethane	3.191	63	4337	0.119	ug/L	93
22) cis-1,2-Dichloroethene	3.908	96	24970	1.106	ug/L	99
25) Chloroform	4.365	83	6575	0.173	ug/L	91
27) 1,2-Dichloroethane	5.150	62	1427	0.073	ug/L #	70
34) Trichloroethene	5.908	95	365674	16.053	ug/L	98
35) Methylcyclohexane	6.066	83	25344	0.633	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10654	0.519	ug/L #	85
45) 1,1,2-Trichloroethane	7.966	97	4183	0.311	ug/L #	1
47) Tetrachloroethene	7.969	164	485685	26.627	ug/L	100
49) Dibromochloromethane	7.966	129	436737	26.893	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	15733	1.693	ug/L #	62

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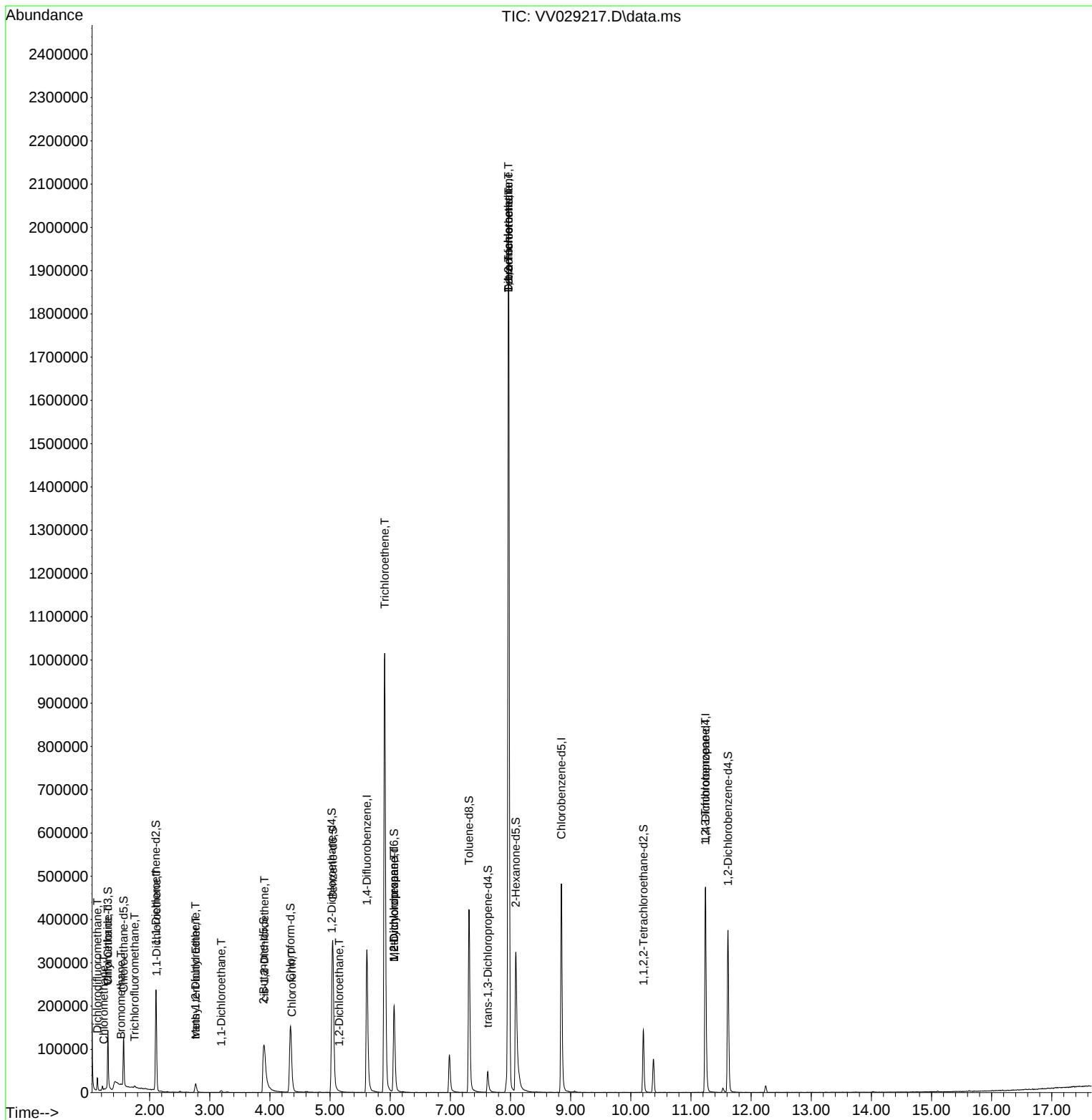
Instrument :
MSVOA_V
ClientSampleId :

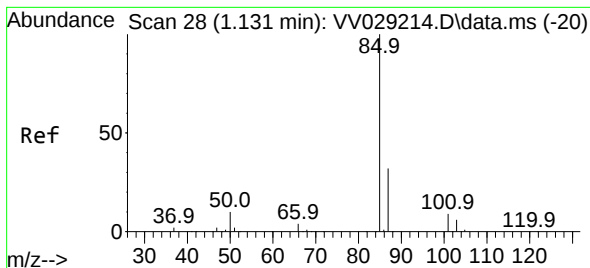
Quant Time: Nov 21 00:56:14 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

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

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

Quant Time: Nov 21 00:56:14 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

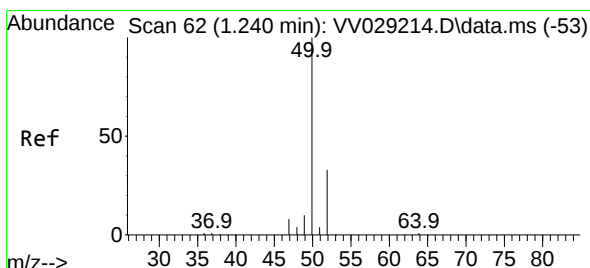
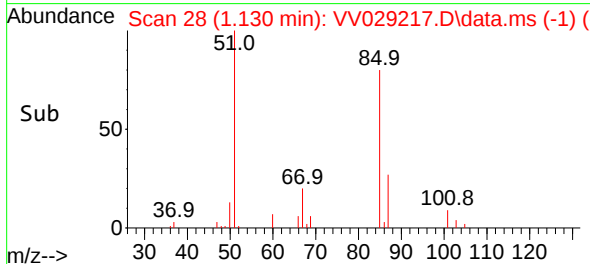
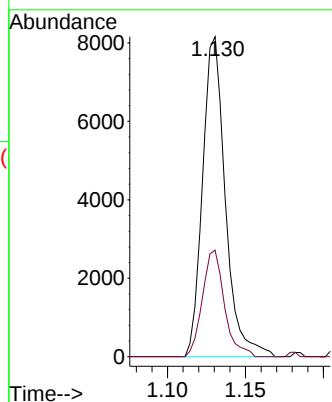
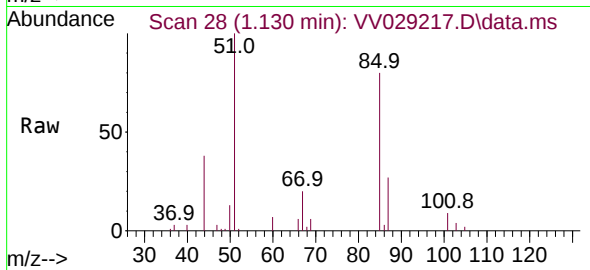




#2
 Dichlorodifluoromethane
 Concen: 0.314 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV029217.D
 Acq: 20 Nov 2022 11:57

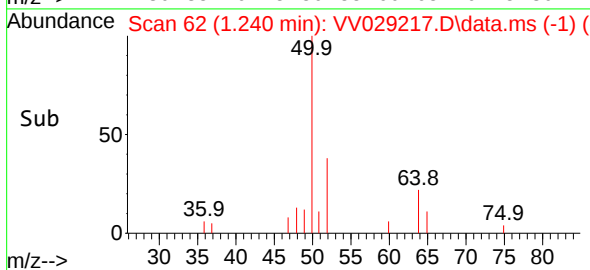
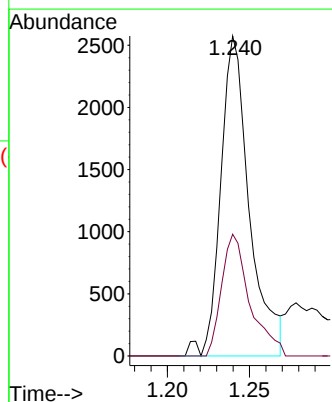
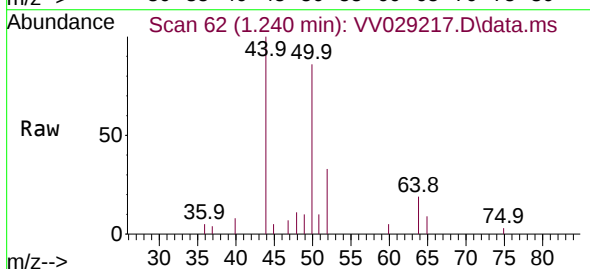
Instrument :
 MSVOA_V
 ClientSampleId :

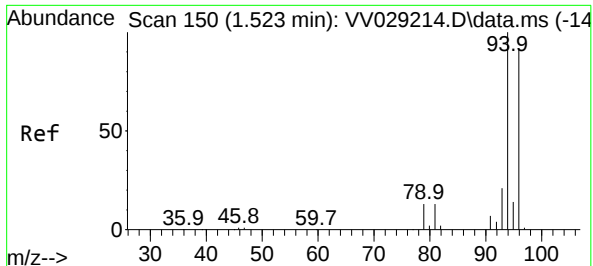
Tgt Ion: 85 Resp: 8276
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.0 37.4



#3
 Chloromethane
 Concen: 0.143 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029217.D
 Acq: 20 Nov 2022 11:57

Tgt Ion: 50 Resp: 3133
 Ion Ratio Lower Upper
 50 100
 52 38.1 23.7 43.9

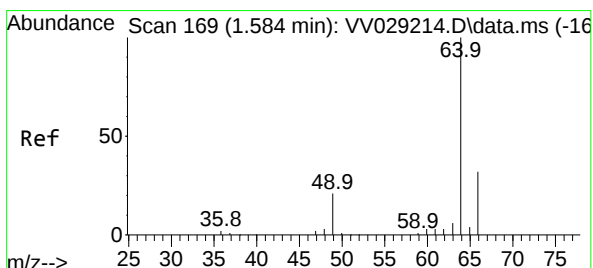
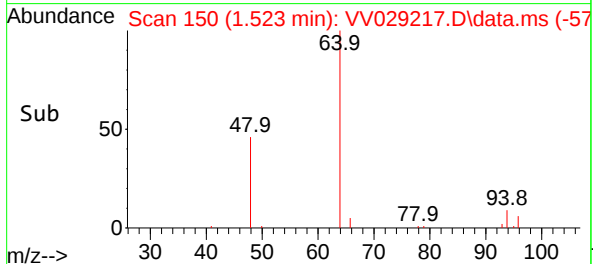
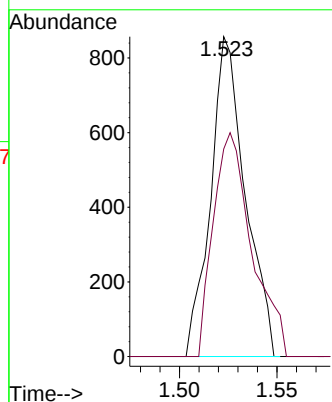
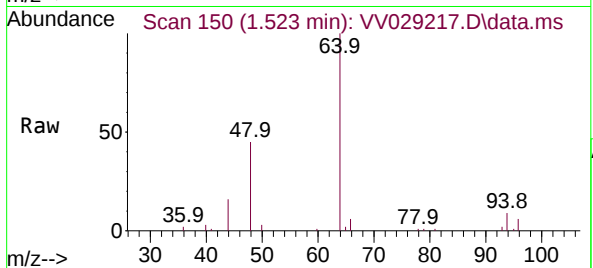




#6
Bromomethane
Concen: 0.071 ug/L
RT: 1.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

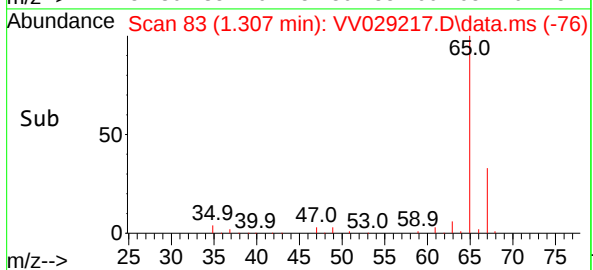
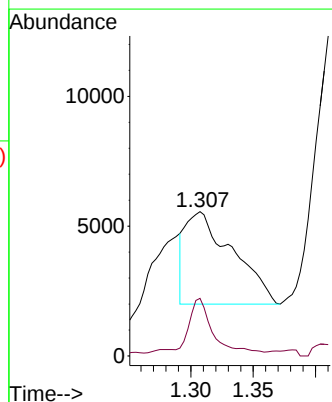
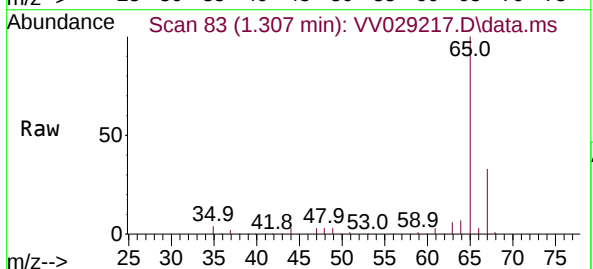
Instrument :
MSVOA_V
ClientSampleId :

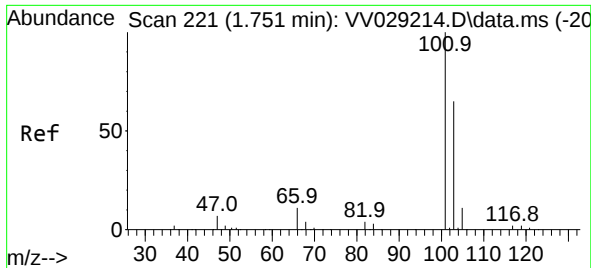
Tgt Ion: 94 Resp: 1058
Ion Ratio Lower Upper
94 100
96 64.9 68.5 127.3#



#8
Chloroethane
Concen: 0.642 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.277 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

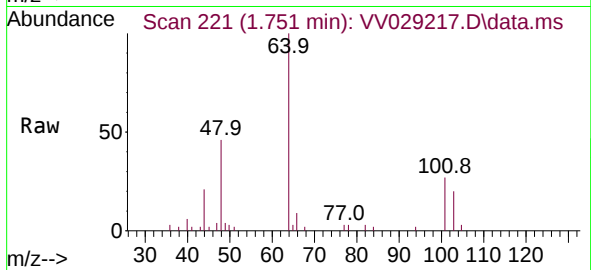
Tgt Ion: 64 Resp: 9415
Ion Ratio Lower Upper
64 100
66 39.9 22.0 40.8



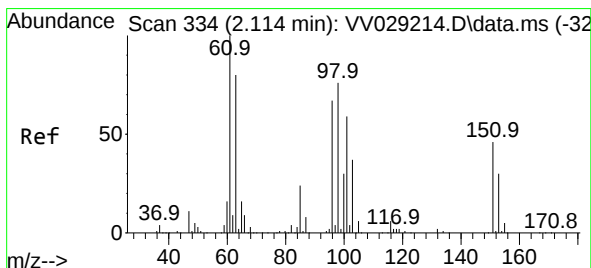
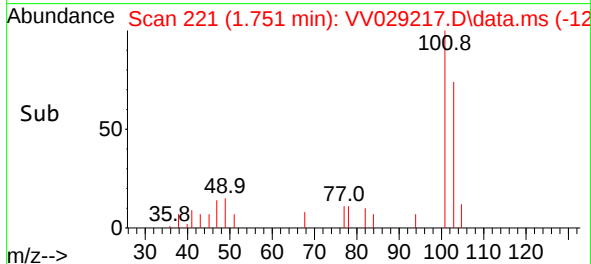
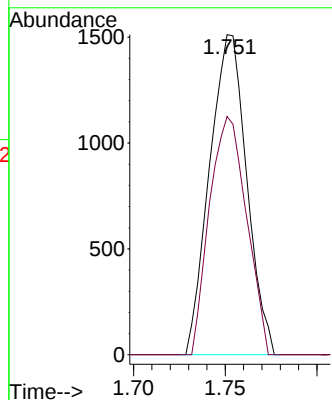


#9
 Trichlorofluoromethane
 Concen: 0.063 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029217.D
 Acq: 20 Nov 2022 11:57

Instrument :
 MSVOA_V
 ClientSampleId :

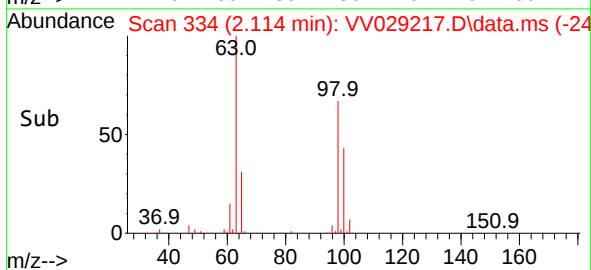
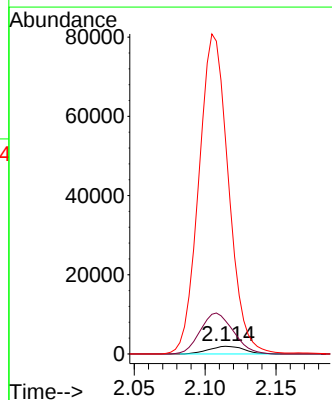
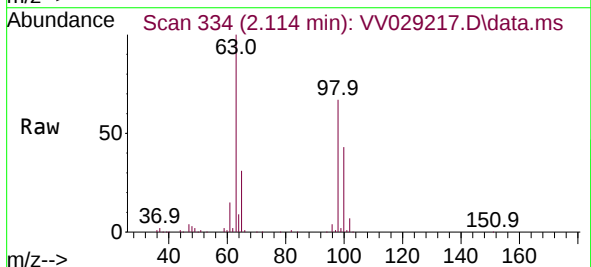


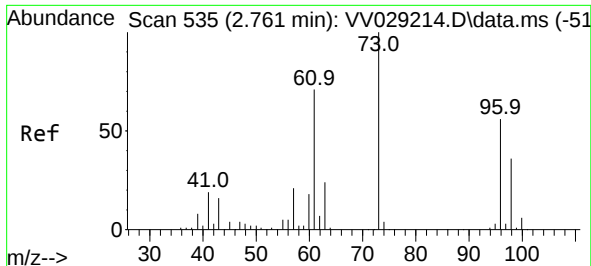
Tgt Ion:101 Resp: 2131
 Ion Ratio Lower Upper
 101 100
 103 74.1 51.3 76.9



#12
 1,1-Dichloroethene
 Concen: 0.175 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029217.D
 Acq: 20 Nov 2022 11:57

Tgt Ion: 96 Resp: 3350
 Ion Ratio Lower Upper
 96 100
 61 433.4 104.2 193.4#
 63 2807.0 75.9 140.9#





#17

Methyl tert-butyl Ether

Concen: 0.455 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

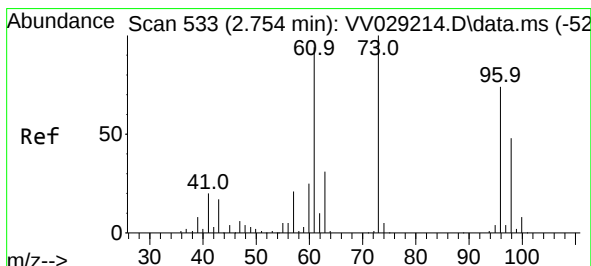
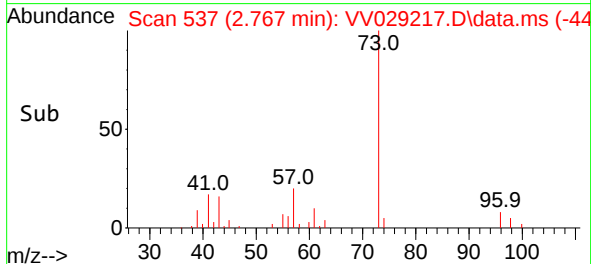
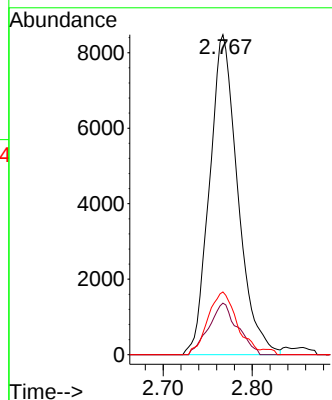
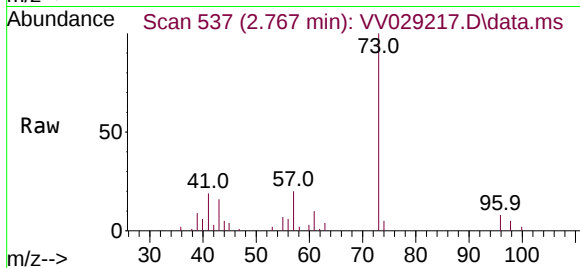
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73 Resp: 18672

Ion	Ratio	Lower	Upper
73	100		
43	16.3	13.0	19.4
57	20.2	16.6	24.8



#18

trans-1,2-Dichloroethene

Concen: 0.056 ug/L

RT: 2.764 min Scan# 536

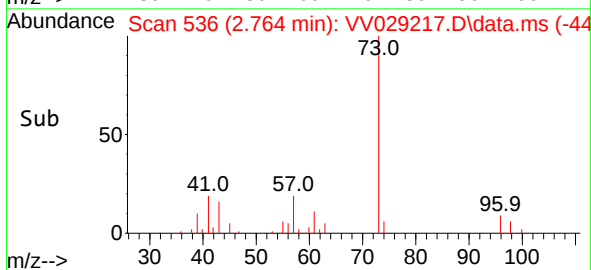
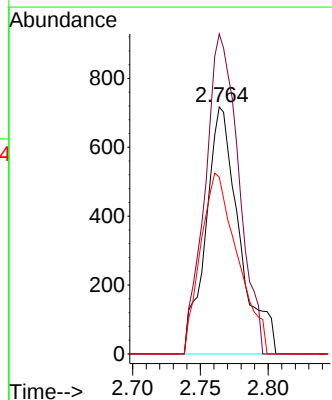
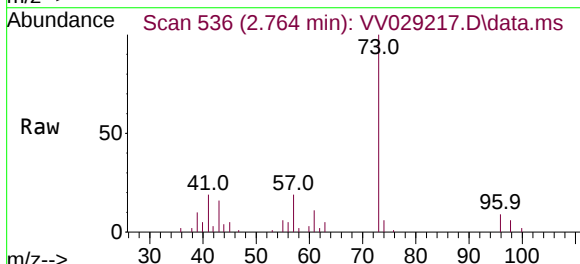
Delta R.T. 0.010 min

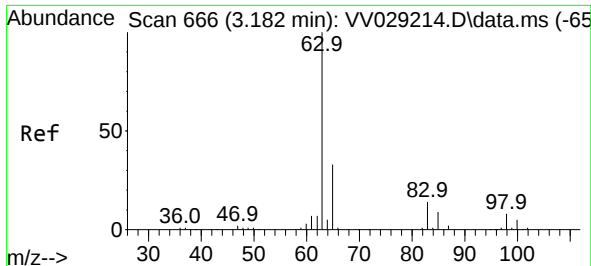
Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

Tgt Ion: 96 Resp: 1233

Ion	Ratio	Lower	Upper
96	100		
61	129.6	91.8	170.6
98	71.5	46.4	86.2





#19

1,1-Dichloroethane

Concen: 0.119 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

Instrument :

MSVOA_V

ClientSampleId :

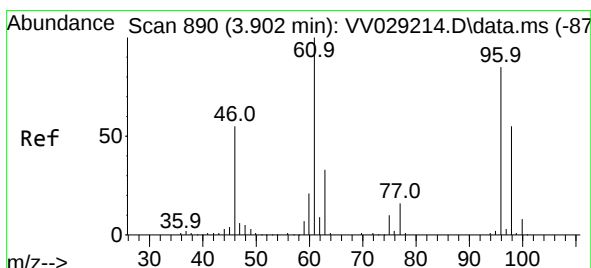
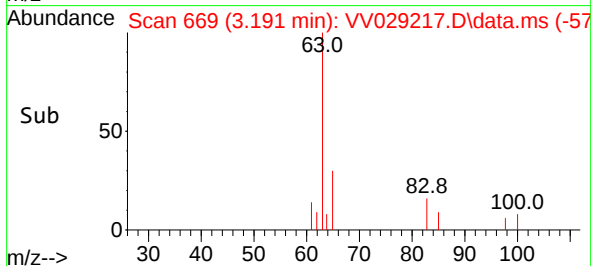
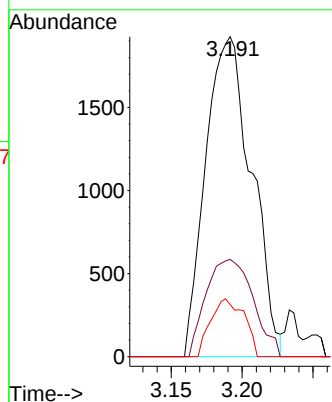
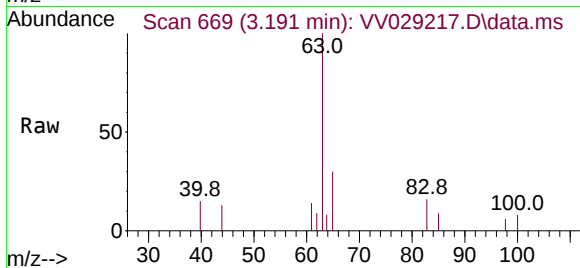
Tgt Ion: 63 Resp: 4337

Ion Ratio Lower Upper

63 100

65 28.2 23.0 42.6

83 15.1 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 1.106 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

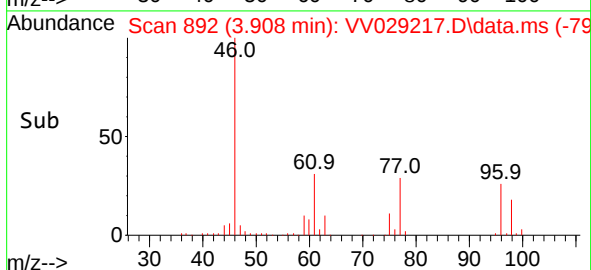
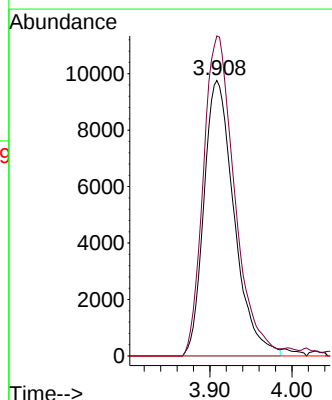
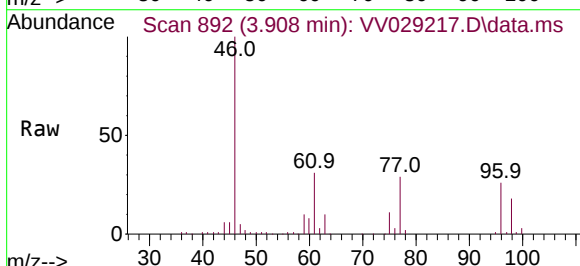
Tgt Ion: 96 Resp: 24970

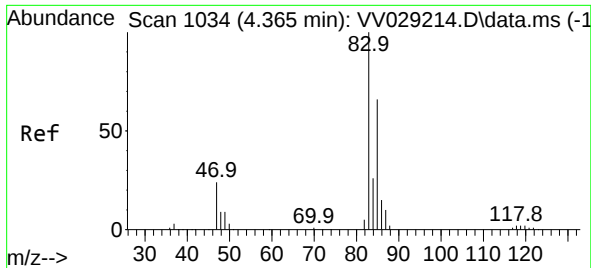
Ion Ratio Lower Upper

96 100

61 116.1 82.3 152.9

68 0.0 0.0 0.0

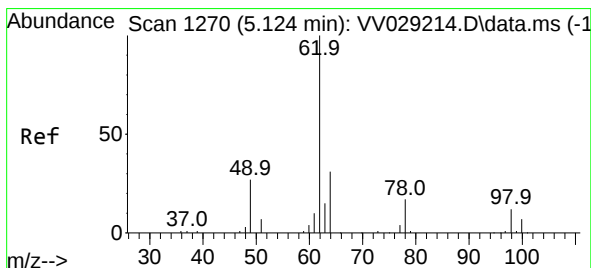
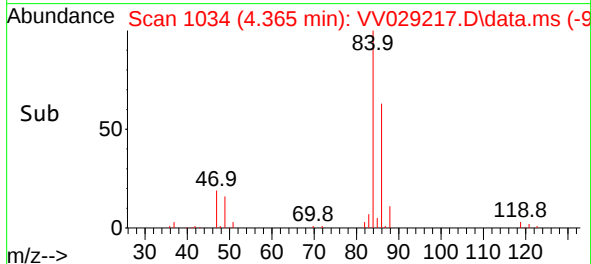
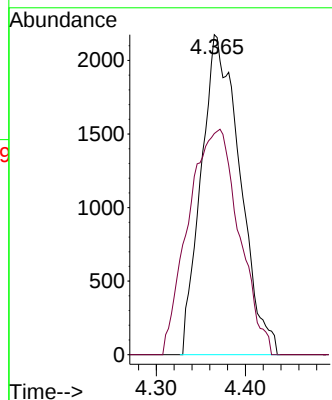
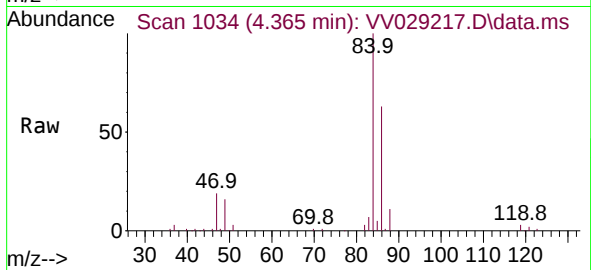




#25
Chloroform
Concen: 0.173 ug/L
RT: 4.365 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

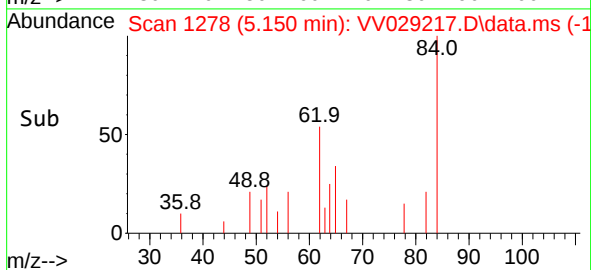
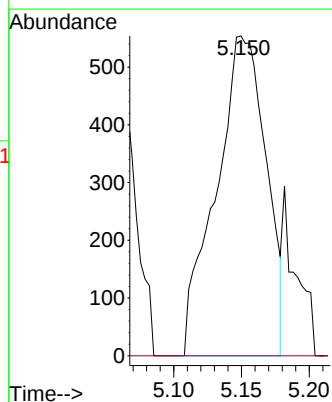
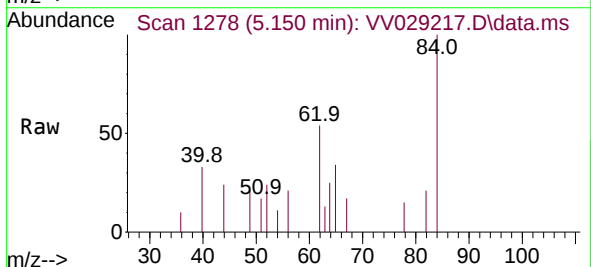
Instrument :
MSVOA_V
ClientSampleId :

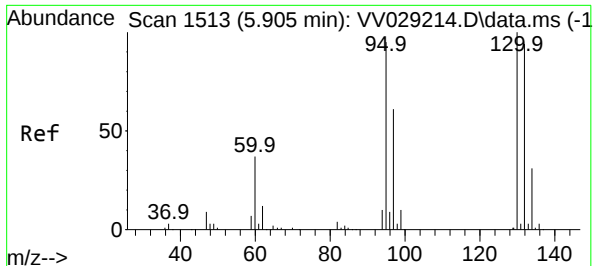
Tgt Ion: 83 Resp: 6575
Ion Ratio Lower Upper
83 100
85 69.1 43.7 81.1



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.150 min Scan# 1278
Delta R.T. 0.026 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

Tgt Ion: 62 Resp: 1427
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.6#

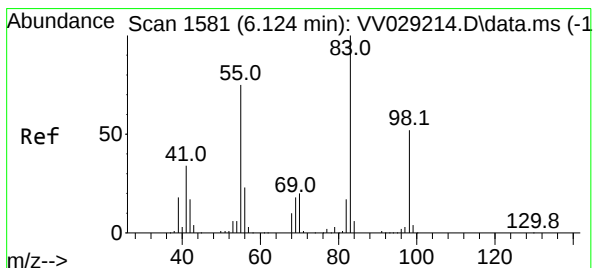
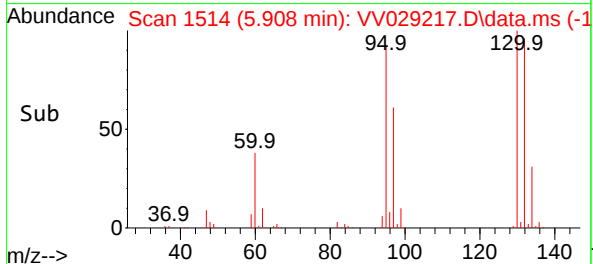
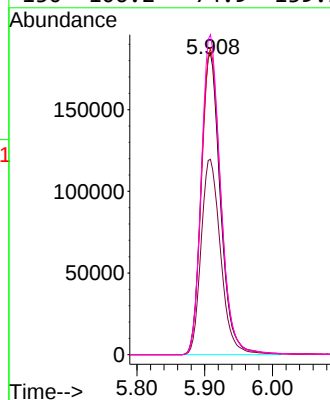
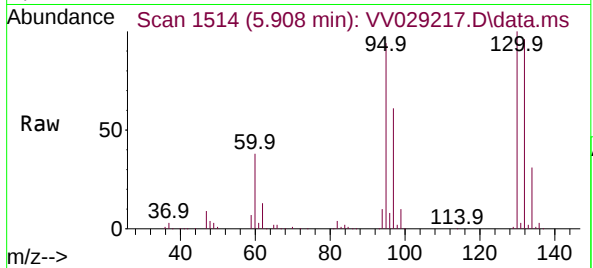




#34
Trichloroethene
Concen: 16.053 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

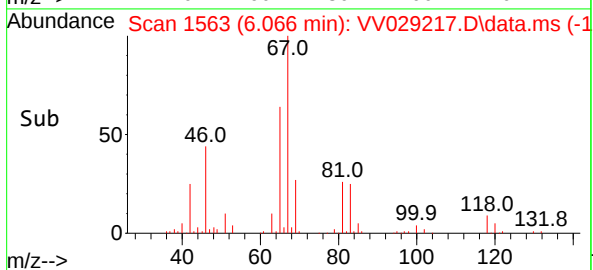
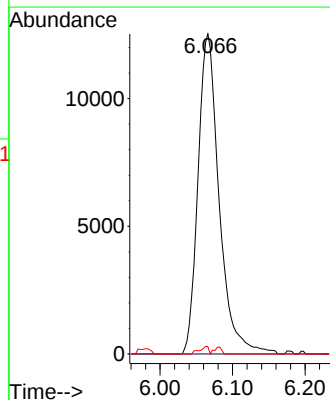
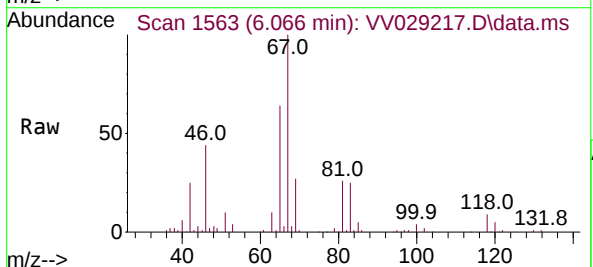
Instrument :
MSVOA_V
ClientSampleId :

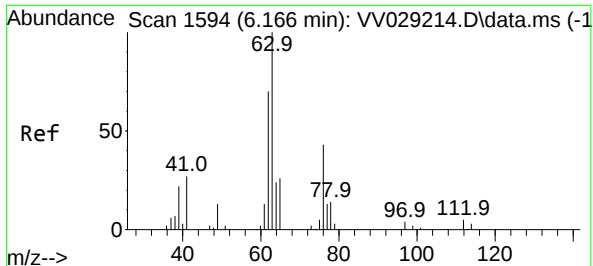
Tgt Ion: 95 Resp: 365674
Ion Ratio Lower Upper
95 100
97 64.8 45.6 84.8
132 101.7 69.1 128.3
130 106.2 74.9 139.1



#35
Methylcyclohexane
Concen: 0.633 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV029217.D
Acq: 20 Nov 2022 11:57

Tgt Ion: 83 Resp: 25344
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 1.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.519 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

Instrument :

MSVOA_V

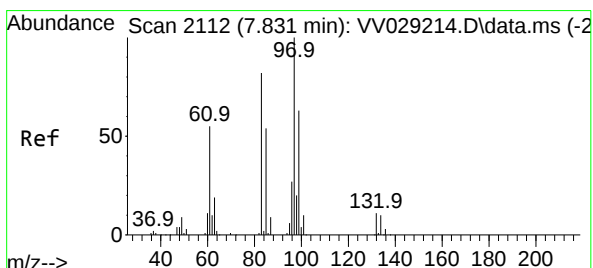
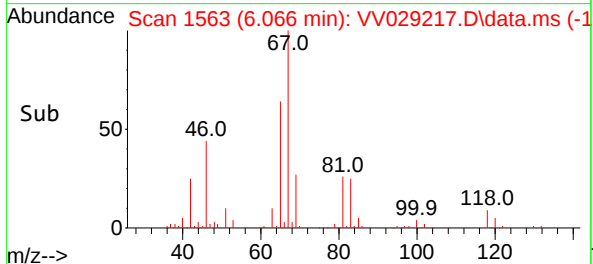
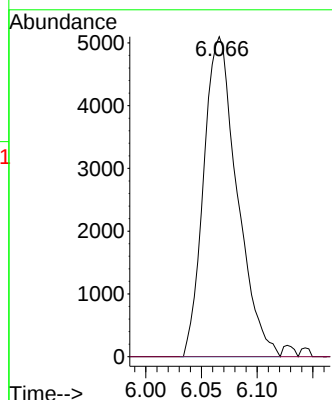
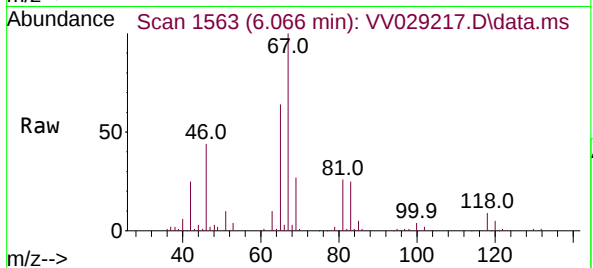
ClientSampleId :

Tgt Ion: 63 Resp: 10654

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#45

1,1,2-Trichloroethane

Concen: 0.311 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.135 min

Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

Tgt Ion: 97 Resp: 4183

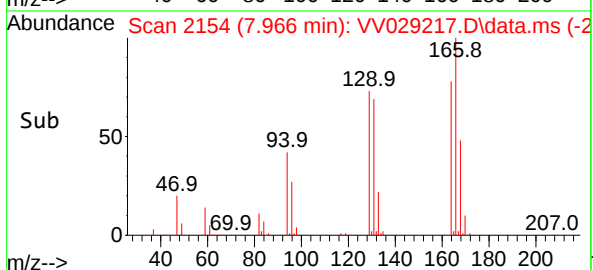
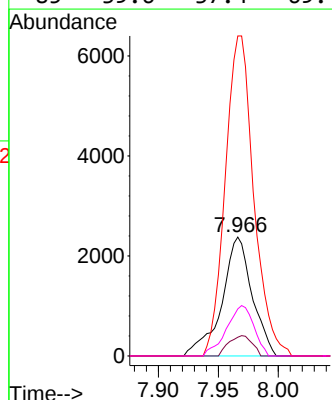
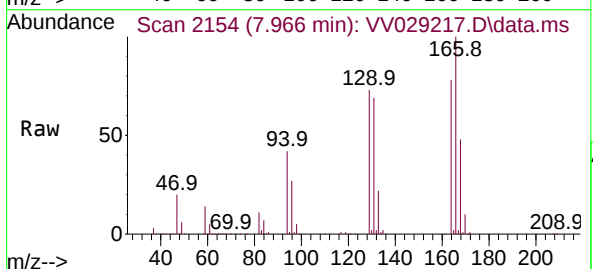
Ion Ratio Lower Upper

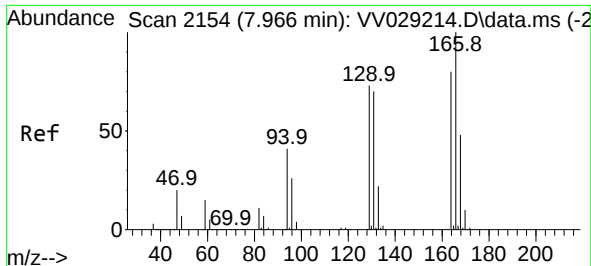
97 100

99 15.7 41.5 77.1#

83 269.2 60.0 111.4#

85 39.6 37.4 69.4





#47

Tetrachloroethene

Concen: 26.627 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

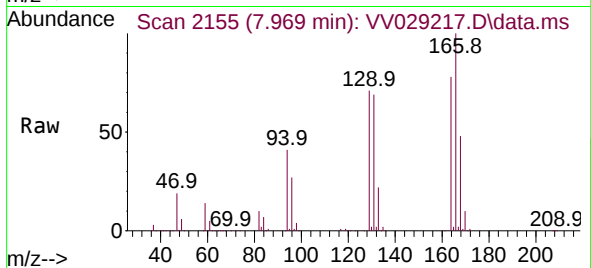
Lab File: VV029217.D

Acq: 20 Nov 2022 11:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 485685

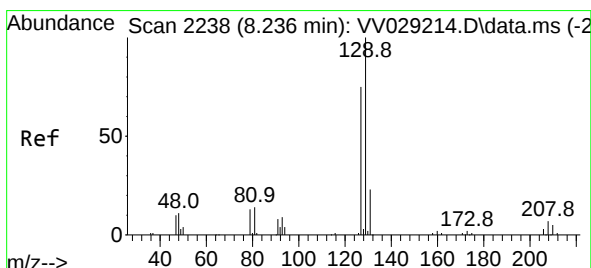
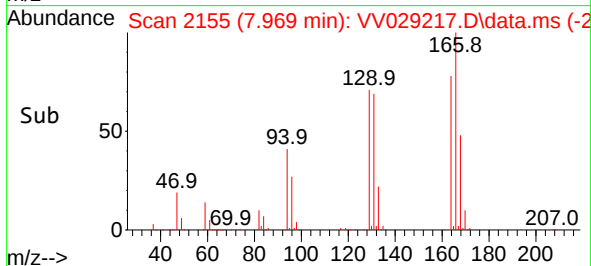
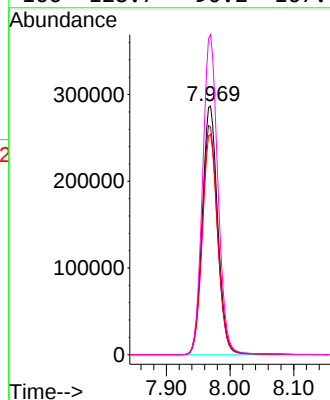
Ion Ratio Lower Upper

164 100

129 91.5 63.9 118.7

131 88.6 61.8 114.8

166 128.7 90.2 167.4



#49

Dibromochloromethane

Concen: 26.893 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029217.D

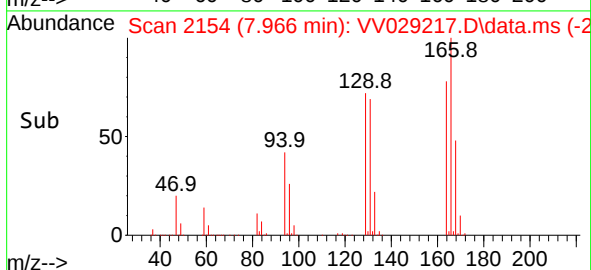
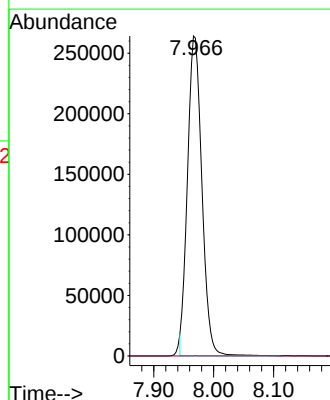
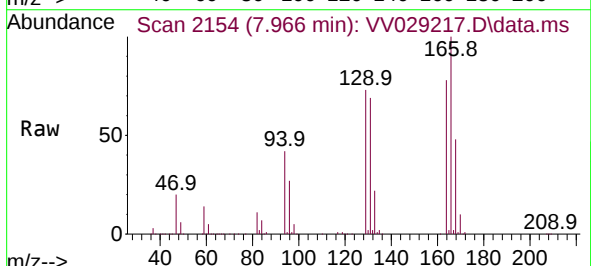
Acq: 20 Nov 2022 11:57

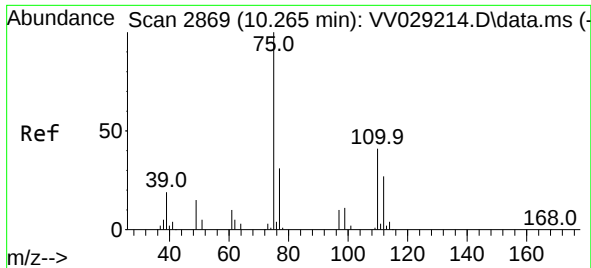
Tgt Ion:129 Resp: 436737

Ion Ratio Lower Upper

129 100

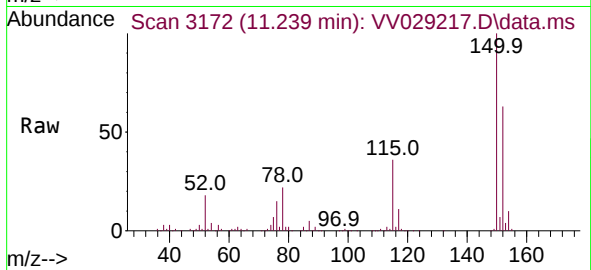
127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.693 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV029217.D
 Acq: 20 Nov 2022 11:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 15733
 Ion Ratio Lower Upper
 75 100
 77 27.9 26.2 39.2
 110 2.5 32.6 48.8#

