

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029216.D
 Acq On : 20 Nov 2022 11:33
 Operator : SY/MD
 Sample : N5651-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:55:59 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	5.609	114	427873	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	389100	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	176413	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	117144	4.491	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.568	69	99837	4.354	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.105	63	157245	3.308	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.895	46	232406	53.224	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.440%
24) Chloroform-d	4.339	84	222500	4.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.024	65	101408	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.043	84	467440	4.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.063	67	136285	4.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.310	98	411828	3.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.619	79	42023	3.973	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.085	63	191985	42.522	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	94742	4.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	143538	4.548	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2602	0.088	ug/L	94
6) Bromomethane	1.526	94	859	0.043	ug/L	74
8) Chloroethane	1.461	64	37541	1.892	ug/L #	53
9) Trichlorofluoromethane	1.751	101	9896	0.217	ug/L	96
12) 1,1-Dichloroethene	2.114	96	9038	0.349	ug/L #	1
15) Methyl Acetate	2.182	43	5630	0.826	ug/L #	44
16) Methylene chloride	2.503	84	59545	1.778	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	23195	0.418	ug/L	99
19) 1,1-Dichloroethane	3.185	63	33471	0.682	ug/L	97
22) cis-1,2-Dichloroethene	3.908	96	4174	0.137	ug/L	96
25) Chloroform	4.371	83	22915	0.445	ug/L	92
29) 1,1,1-Trichloroethane	4.600	97	5152	0.113	ug/L	97
34) Trichloroethene	5.911	95	50823	1.670	ug/L	98
35) Methylcyclohexane	6.063	83	32731	0.612	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	14445	0.527	ug/L #	86
47) Tetrachloroethene	7.969	164	89552	3.674	ug/L	98
49) Dibromochloromethane	7.969	129	80333	3.702	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	19544	1.621	ug/L #	65

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
Data File : VV029216.D
Acq On : 20 Nov 2022 11:33
Operator : SY/MD
Sample : N5651-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:55:59 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

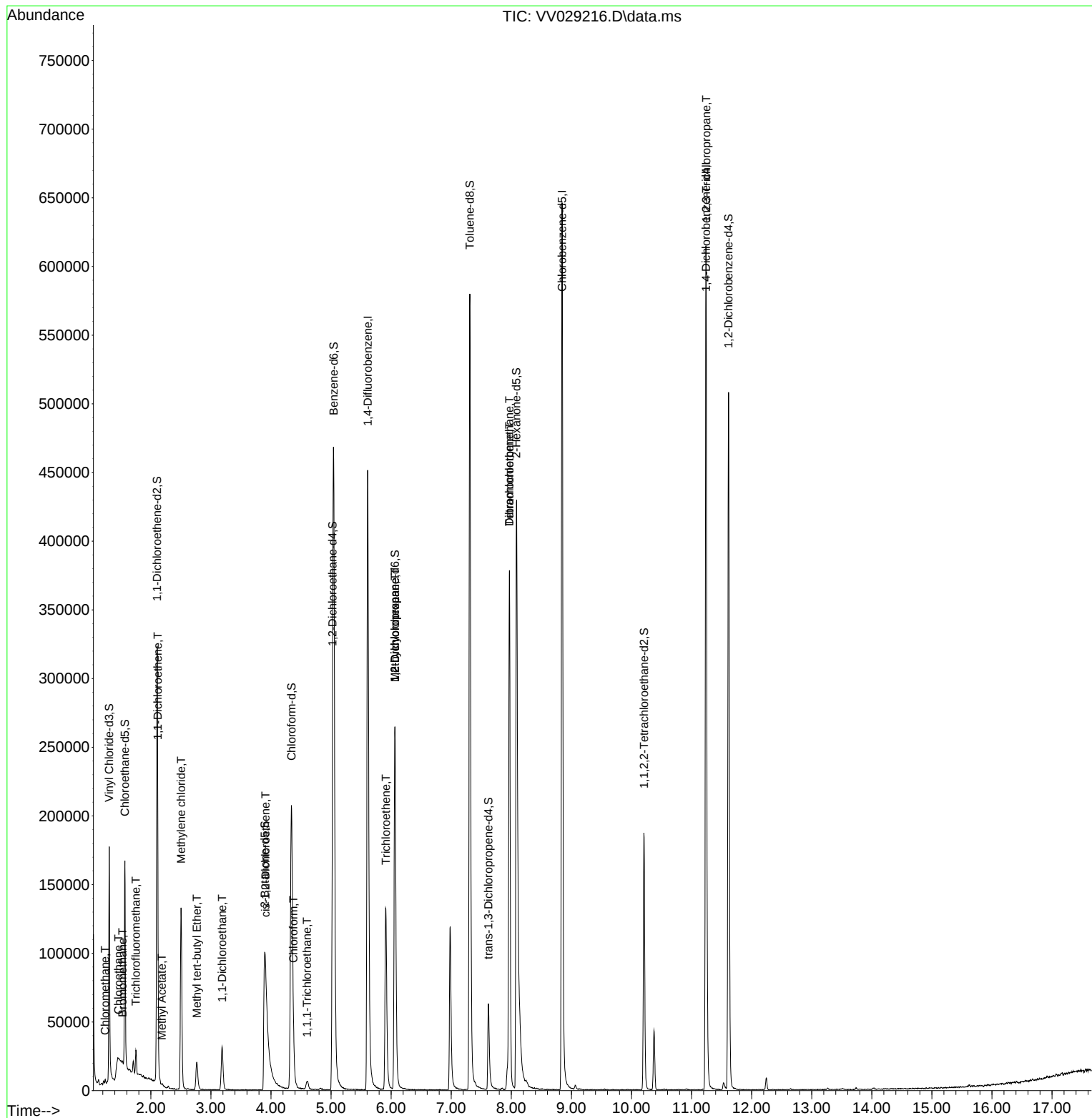
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

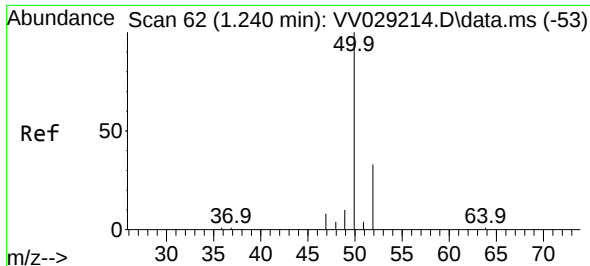
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
Data File : VV029216.D
Acq On : 20 Nov 2022 11:33
Operator : SY/MD
Sample : N5651-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:55:59 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

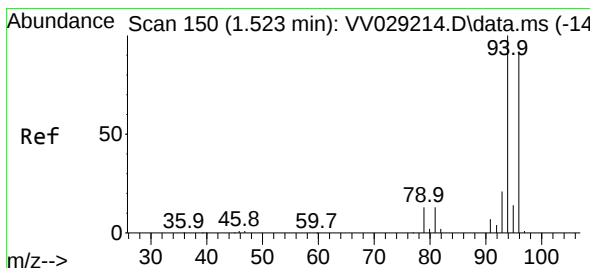
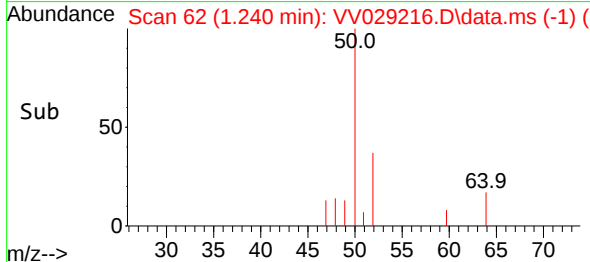
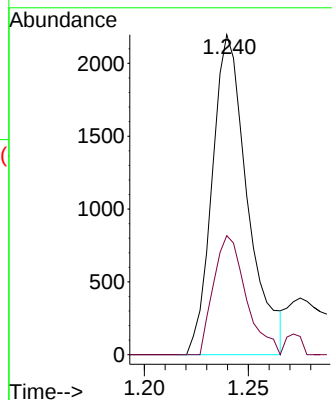
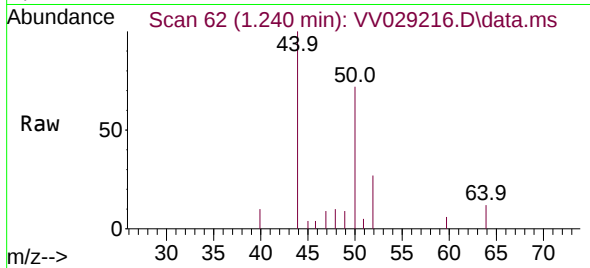




#3
Chloromethane
Concen: 0.088 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

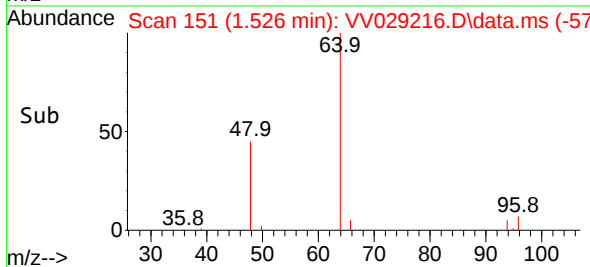
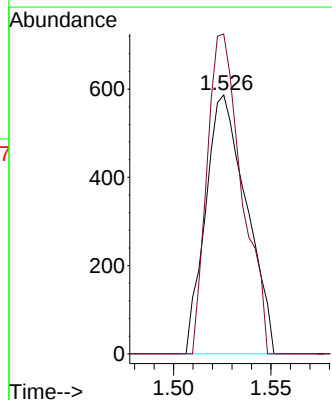
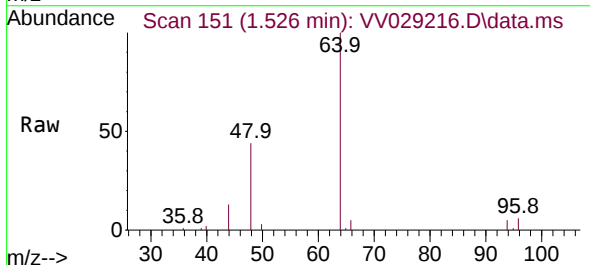
Instrument :
MSVOA_V
ClientSampleId :

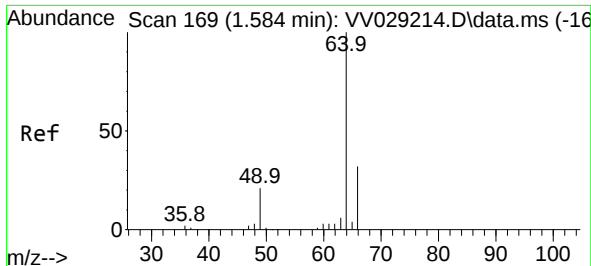
Tgt Ion: 50 Resp: 2602
Ion Ratio Lower Upper
50 100
52 37.2 23.7 43.9



#6
Bromomethane
Concen: 0.043 ug/L
RT: 1.526 min Scan# 151
Delta R.T. 0.003 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

Tgt Ion: 94 Resp: 859
Ion Ratio Lower Upper
94 100
96 123.5 68.5 127.3

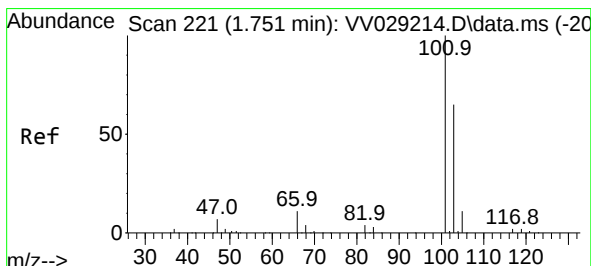
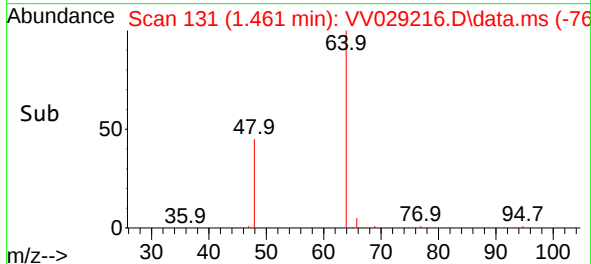
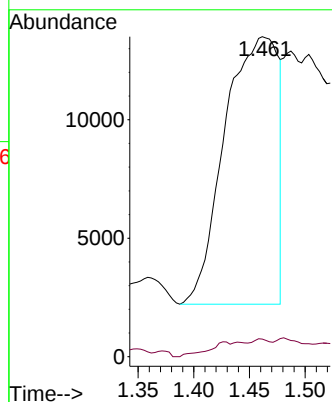
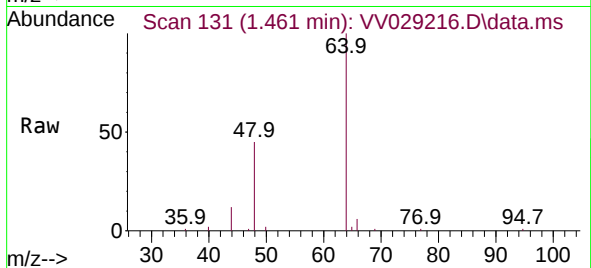




#8
Chloroethane
Concen: 1.892 ug/L
RT: 1.461 min Scan# 11
Delta R.T. -0.122 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

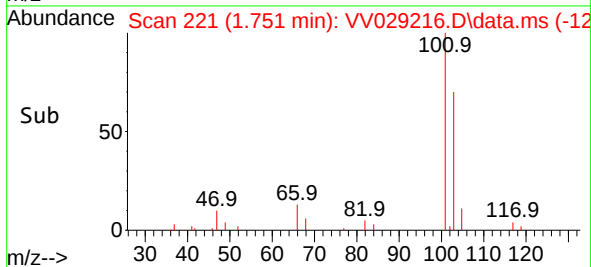
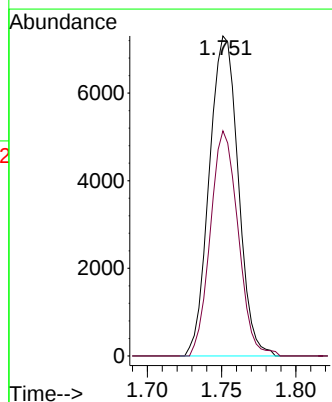
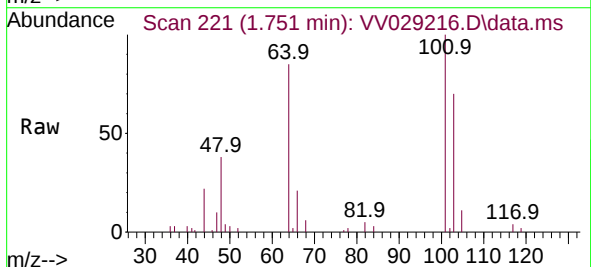
Instrument :
MSVOA_V
ClientSampleId :

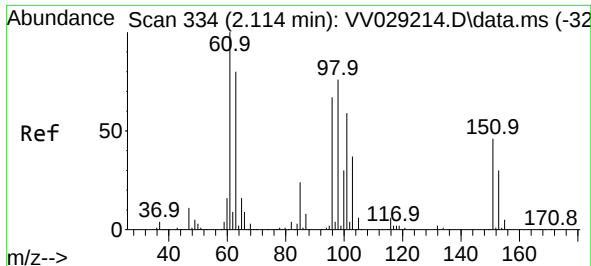
Tgt Ion: 64 Resp: 37541
Ion Ratio Lower Upper
64 100
66 5.5 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 0.217 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

Tgt Ion:101 Resp: 9896
Ion Ratio Lower Upper
101 100
103 67.4 51.3 76.9





#12

1,1-Dichloroethene

Concen: 0.349 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Instrument :

MSVOA_V

ClientSampleId :

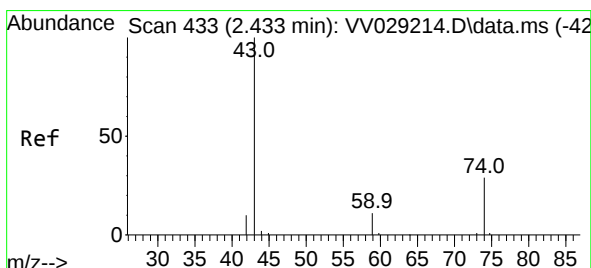
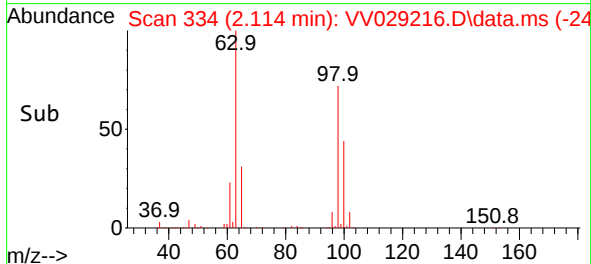
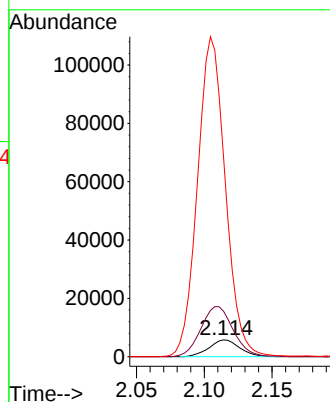
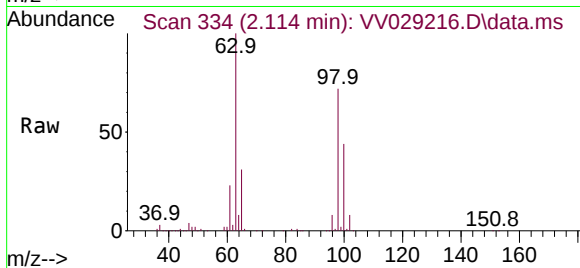
Tgt Ion: 96 Resp: 9038

Ion Ratio Lower Upper

96 100

61 271.4 104.2 193.4#

63 1191.8 75.9 140.9#



#15

Methyl Acetate

Concen: 0.826 ug/L

RT: 2.182 min Scan# 355

Delta R.T. -0.251 min

Lab File: VV029216.D

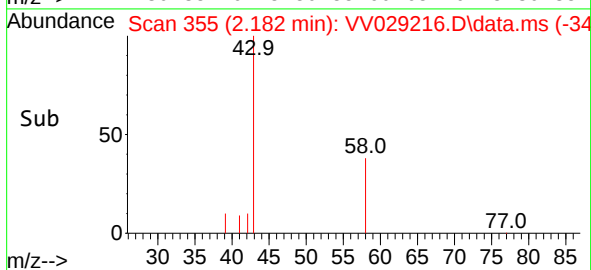
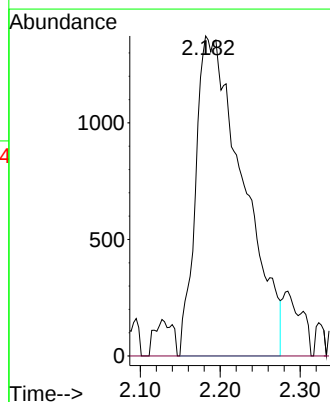
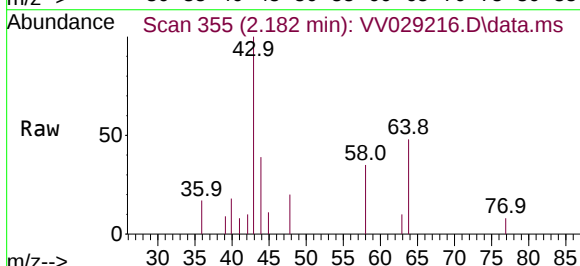
Acq: 20 Nov 2022 11:33

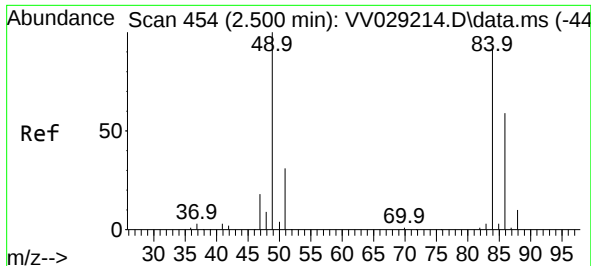
Tgt Ion: 43 Resp: 5630

Ion Ratio Lower Upper

43 100

74 0.0 24.6 37.0#

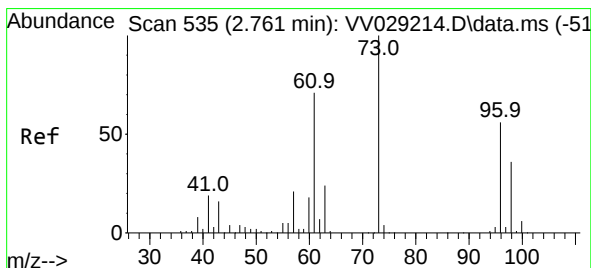
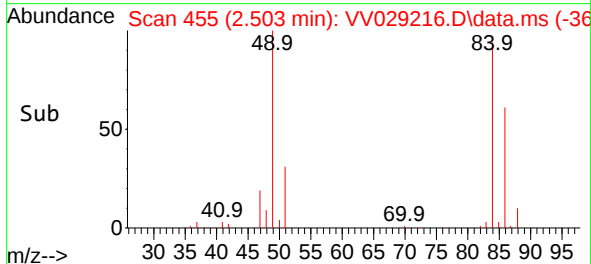
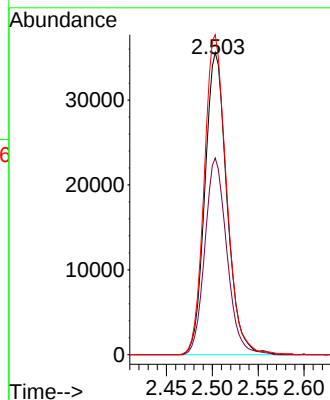
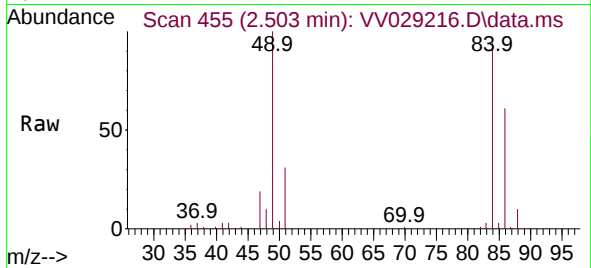




#16
Methylene chloride
Concen: 1.778 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

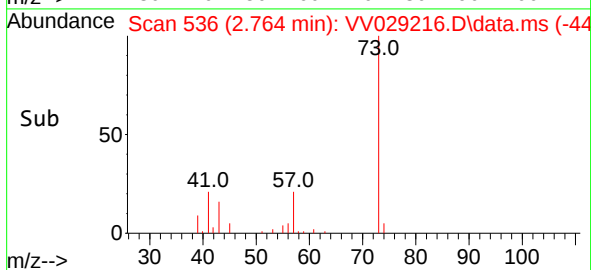
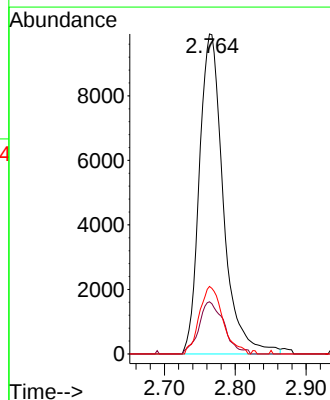
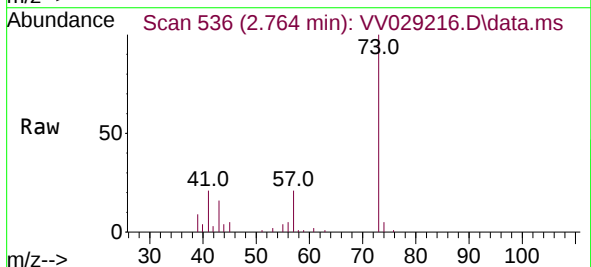
Instrument :
MSVOA_V
ClientSampleId :

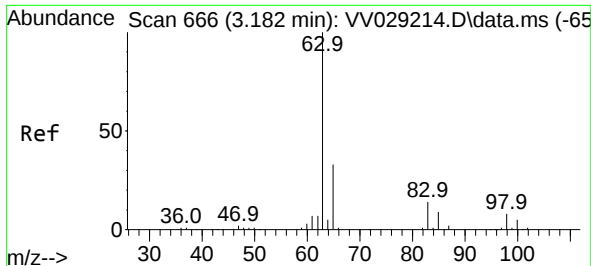
Tgt Ion: 84 Resp: 59545
Ion Ratio Lower Upper
84 100
86 65.1 45.8 85.0
49 105.9 75.5 140.1



#17
Methyl tert-butyl Ether
Concen: 0.418 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029216.D
Acq: 20 Nov 2022 11:33

Tgt Ion: 73 Resp: 23195
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 20.8 16.6 24.8





#19

1,1-Dichloroethane

Concen: 0.682 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Instrument :

MSVOA_V

ClientSampleId :

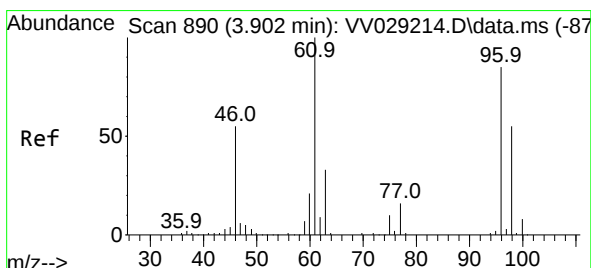
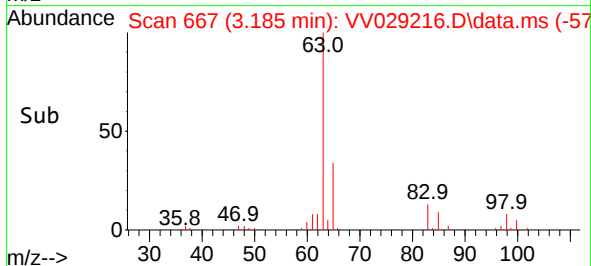
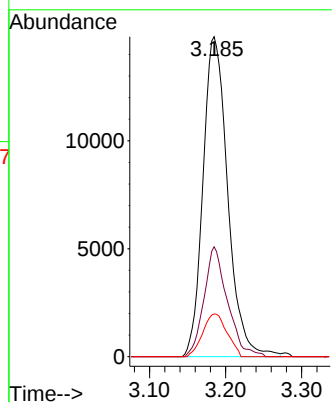
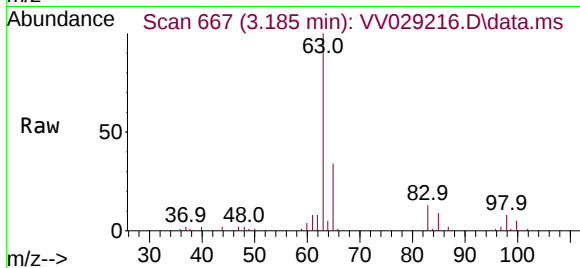
Tgt Ion: 63 Resp: 33471

Ion Ratio Lower Upper

63 100

65 35.1 23.0 42.6

83 13.3 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 0.137 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

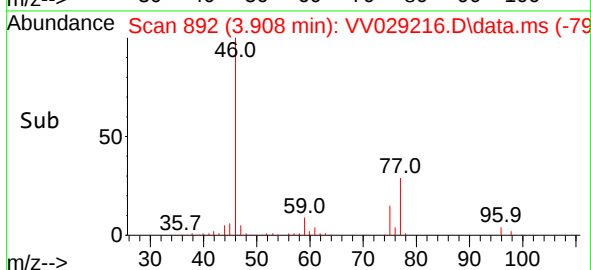
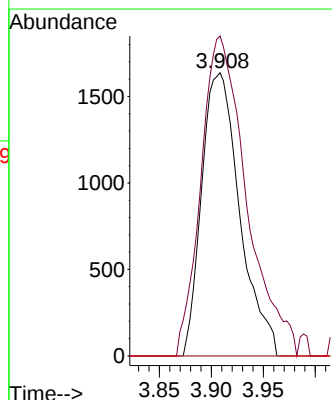
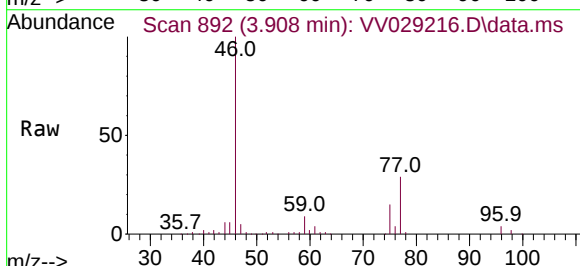
Tgt Ion: 96 Resp: 4174

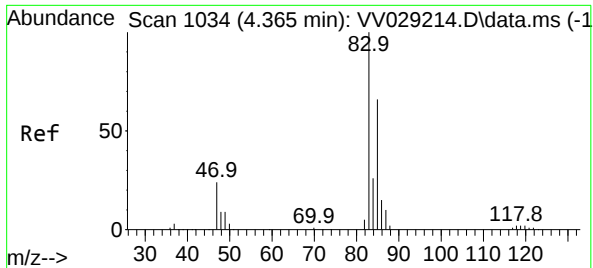
Ion Ratio Lower Upper

96 100

61 113.0 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.445 ug/L

RT: 4.371 min Scan# 11036

Delta R.T. 0.006 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Instrument :

MSVOA_V

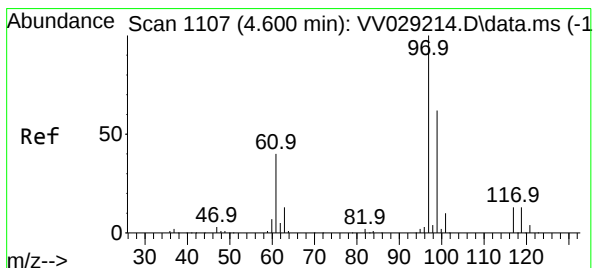
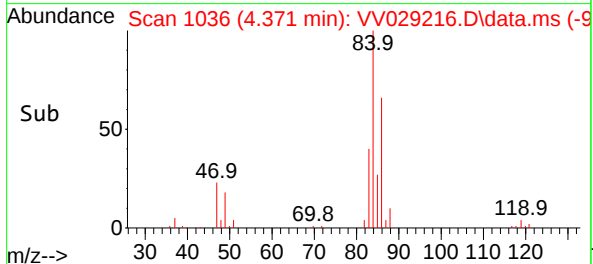
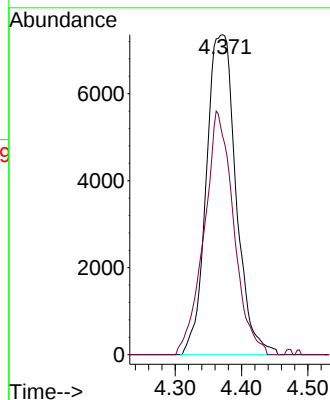
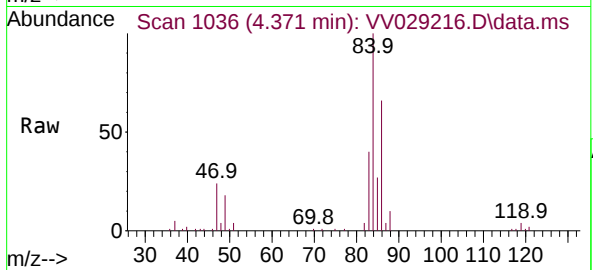
ClientSampleId :

Tgt Ion: 83 Resp: 22915

Ion Ratio Lower Upper

83 100

85 68.3 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.113 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

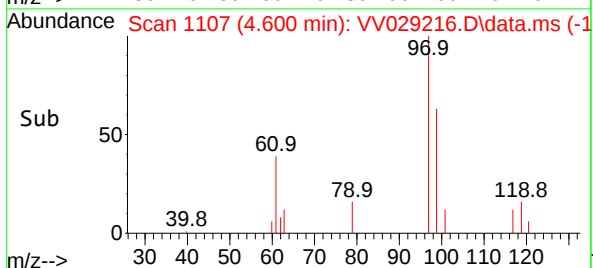
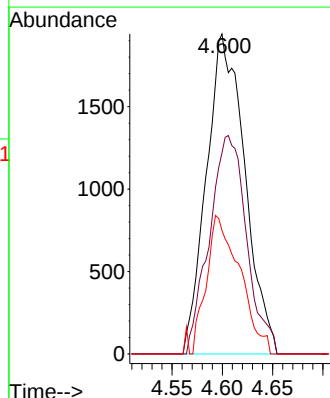
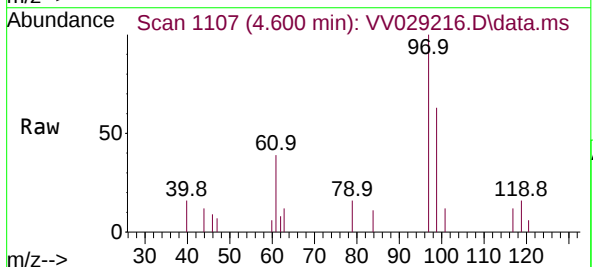
Tgt Ion: 97 Resp: 5152

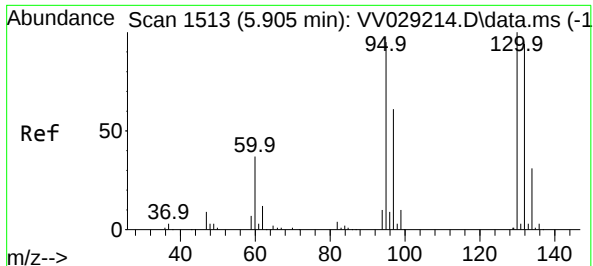
Ion Ratio Lower Upper

97 100

99 66.2 52.7 79.1

61 37.7 33.8 50.6

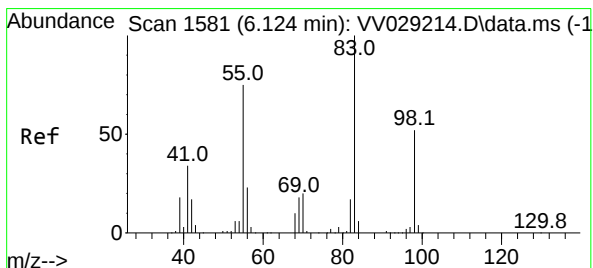
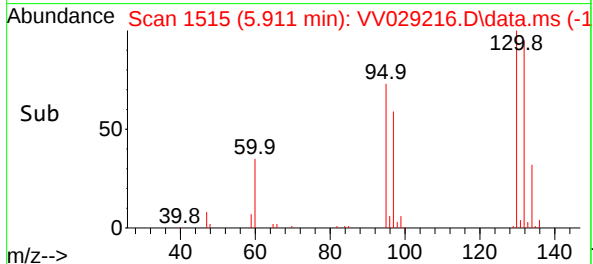
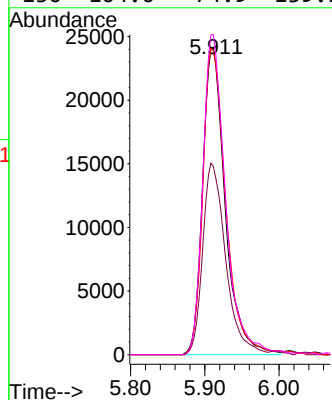
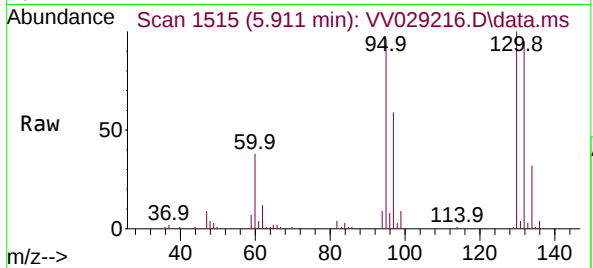




#34
 Trichloroethene
 Concen: 1.670 ug/L
 RT: 5.911 min Scan# 1513
 Delta R.T. 0.006 min
 Lab File: VV029216.D
 Acq: 20 Nov 2022 11:33

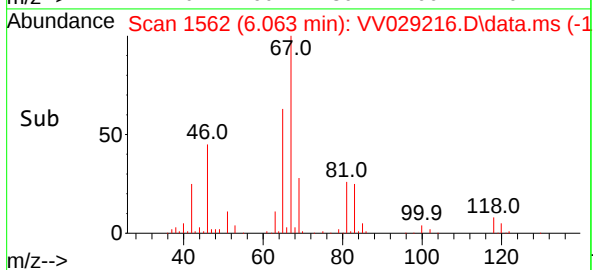
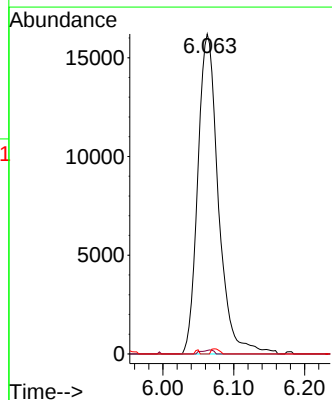
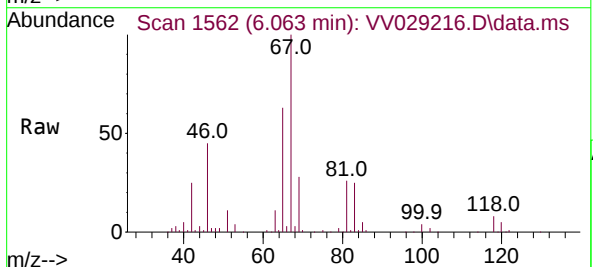
Instrument :
 MSVOA_V
 ClientSampleId :

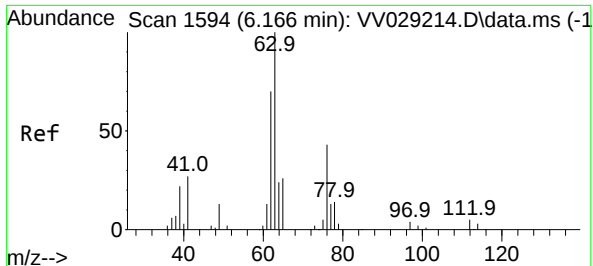
Tgt Ion: 95 Resp: 50823
 Ion Ratio Lower Upper
 95 100
 97 61.3 45.6 84.8
 132 98.8 69.1 128.3
 130 104.0 74.9 139.1



#35
 Methylcyclohexane
 Concen: 0.612 ug/L
 RT: 6.063 min Scan# 1562
 Delta R.T. -0.061 min
 Lab File: VV029216.D
 Acq: 20 Nov 2022 11:33

Tgt Ion: 83 Resp: 32731
 Ion Ratio Lower Upper
 83 100
 55 0.7 55.8 83.6#
 98 0.6 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.527 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Instrument :

MSVOA_V

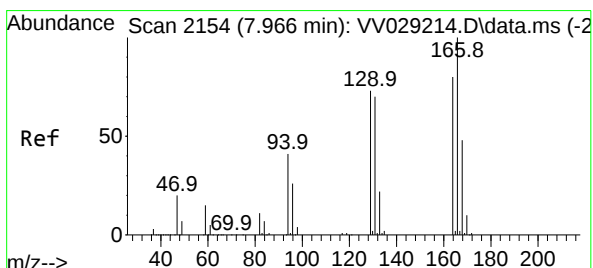
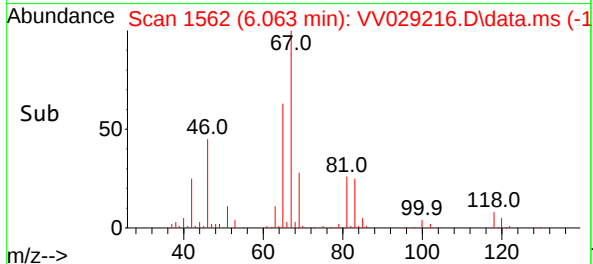
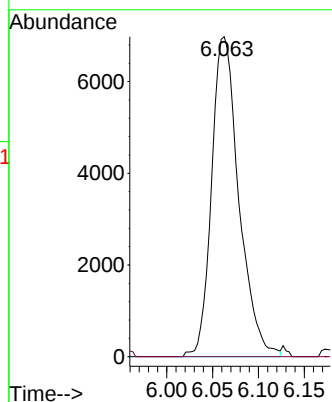
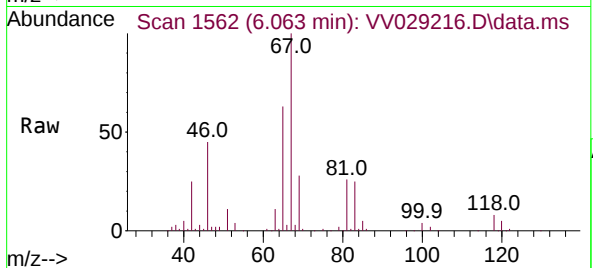
ClientSampleId :

Tgt Ion: 63 Resp: 14445

Ion Ratio Lower Upper

63 100

112 0.4 4.0 6.0#



#47

Tetrachloroethene

Concen: 3.674 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Tgt Ion:164 Resp: 89552

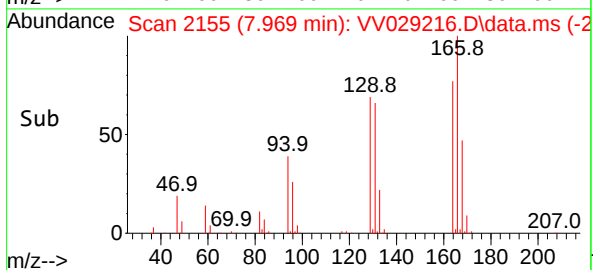
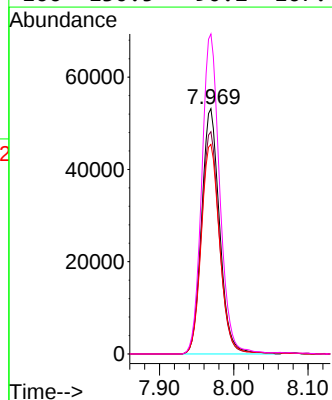
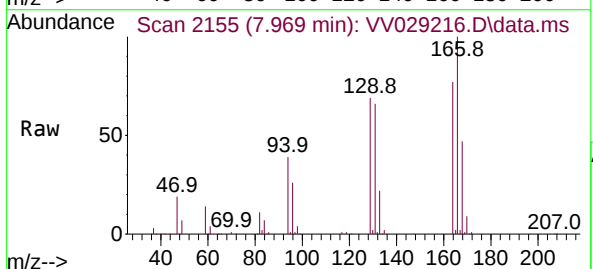
Ion Ratio Lower Upper

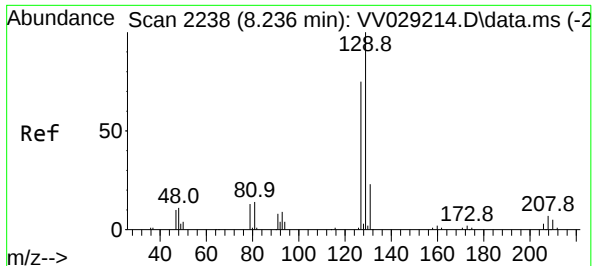
164 100

129 90.6 63.9 118.7

131 85.5 61.8 114.8

166 130.5 90.2 167.4





#49

Dibromochloromethane

Concen: 3.702 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Instrument :

MSVOA_V

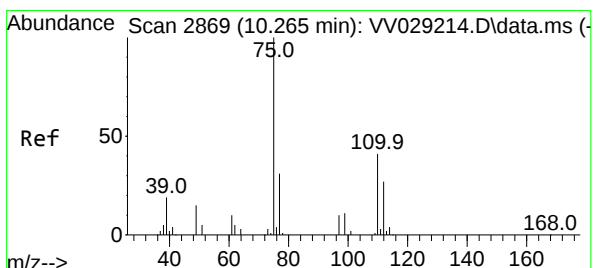
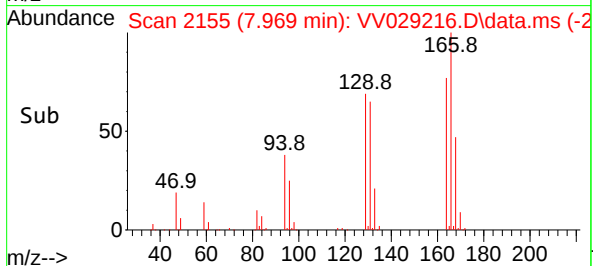
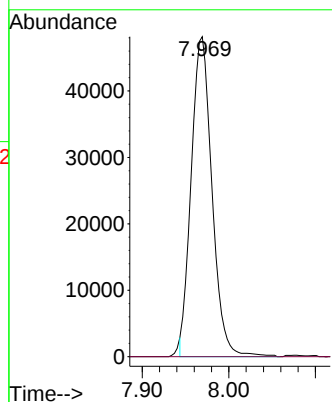
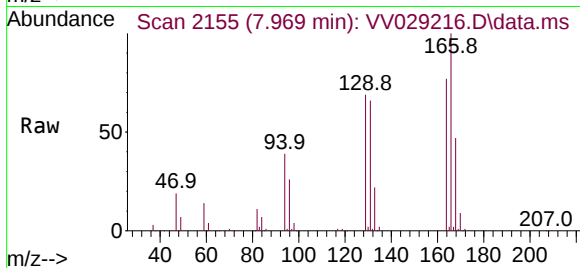
ClientSampleId :

Tgt Ion:129 Resp: 80333

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.621 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.977 min

Lab File: VV029216.D

Acq: 20 Nov 2022 11:33

Tgt Ion: 75 Resp: 19544

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2

110 2.5 32.6 48.8#

