

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029234.D
 Acq On : 20 Nov 2022 18:53
 Operator : SY/MD
 Sample : N5652-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:00:13 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	5.612	114	323160	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	295557	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	135544	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	89483	4.542	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.568	69	75309	4.348	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.104	63	120498	3.356	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.895	46	155129	47.038	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.080%
24) Chloroform-d	4.342	84	178127	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.027	65	81646	4.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
32) Benzene-d6	5.046	84	359337	4.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.066	67	109411	4.441	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.310	98	311820	3.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	7.622	79	32615	4.059	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.088	63	147934	43.136	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.280%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	76652	4.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	114660	4.728	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3479	0.156	ug/L	87
8) Chloroethane	1.468	64	32339	2.158	ug/L #	54
9) Trichlorofluoromethane	1.751	101	16040	0.466	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1842	0.095	ug/L #	36
12) 1,1-Dichloroethene	2.117	96	13215	0.676	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	21748	0.519	ug/L	96
19) 1,1-Dichloroethane	3.185	63	46254	1.247	ug/L	97
22) cis-1,2-Dichloroethene	3.918	96	1410	0.061	ug/L	96
25) Chloroform	4.371	83	32759	0.842	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	8565	0.247	ug/L	98
34) Trichloroethene	5.915	95	26075	1.128	ug/L	96
35) Methylcyclohexane	6.066	83	26038	0.641	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11988	0.576	ug/L #	85
38) Bromodichloromethane	6.519	83	903	0.034	ug/L #	70
39) cis-1,3-Dichloropropene	6.982	75	2512	0.086	ug/L #	60
47) Tetrachloroethene	7.972	164	10921	0.590	ug/L	94
49) Dibromochloromethane	7.972	129	9566	0.580	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	14450	1.560	ug/L #	64

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

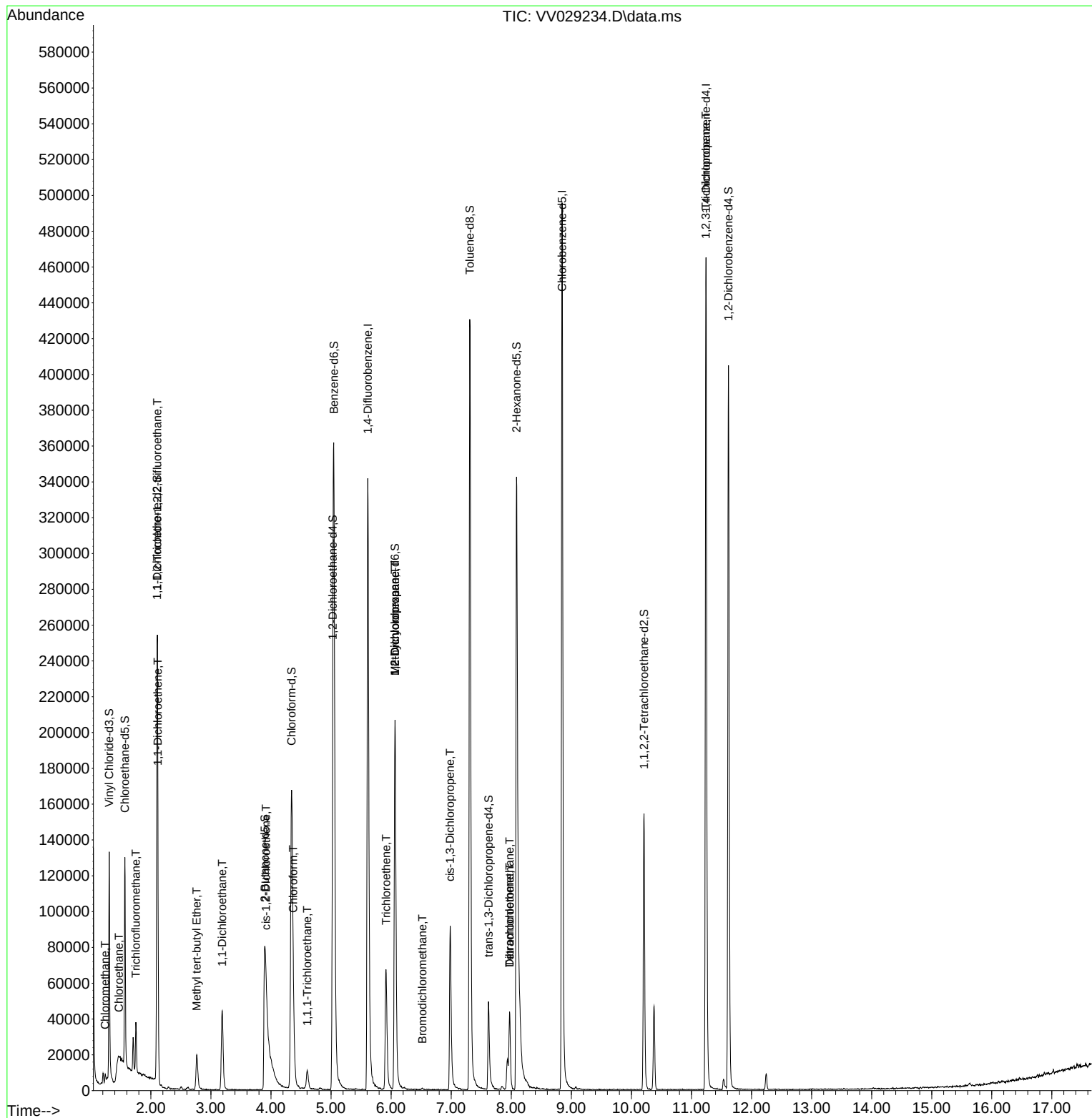
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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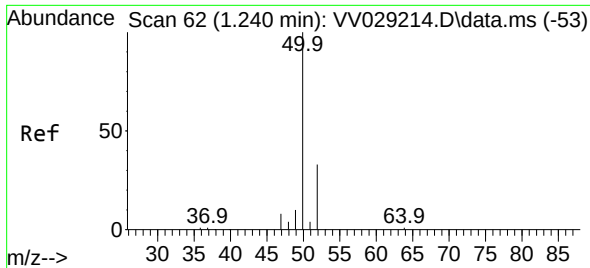
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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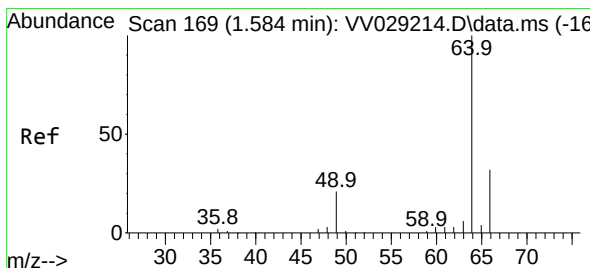
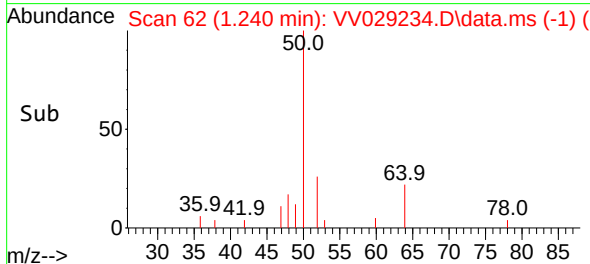
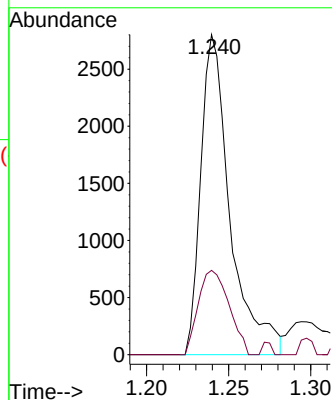
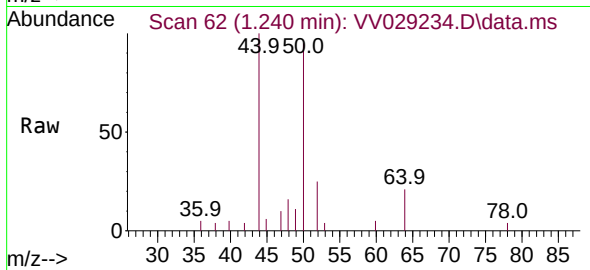




#3
Chloromethane
Concen: 0.156 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029234.D
Acq: 20 Nov 2022 18:53

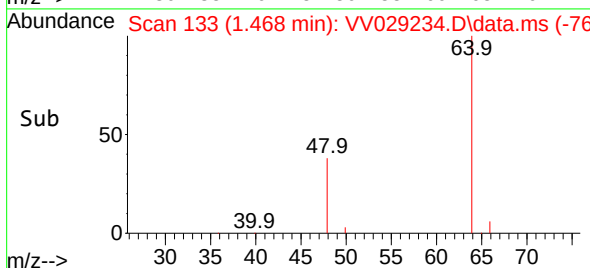
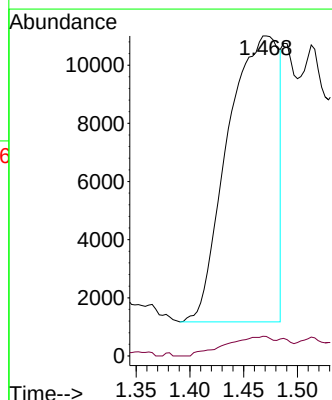
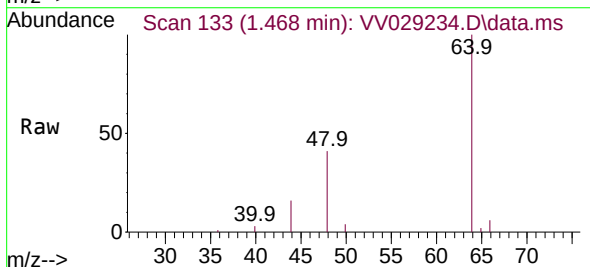
Instrument :
MSVOA_V
ClientSampleId :

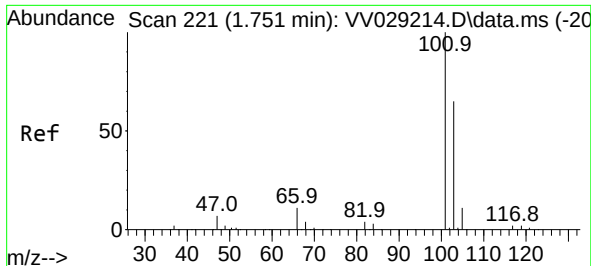
Tgt Ion: 50 Resp: 3479
Ion Ratio Lower Upper
50 100
52 26.4 23.7 43.9



#8
Chloroethane
Concen: 2.158 ug/L
RT: 1.468 min Scan# 133
Delta R.T. -0.116 min
Lab File: VV029234.D
Acq: 20 Nov 2022 18:53

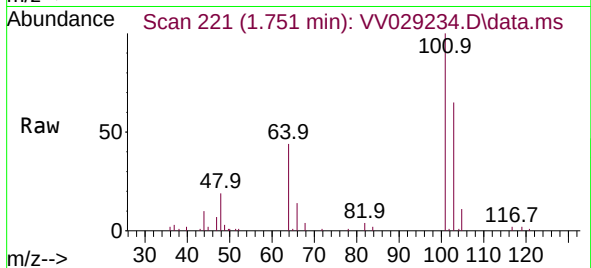
Tgt Ion: 64 Resp: 32339
Ion Ratio Lower Upper
64 100
66 6.2 22.0 40.8#



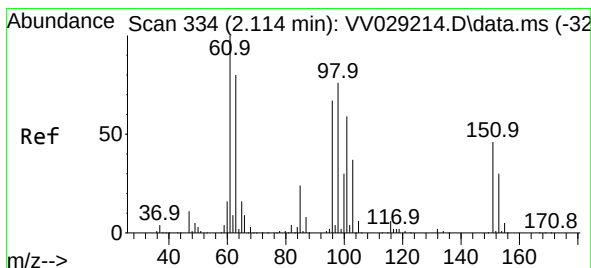
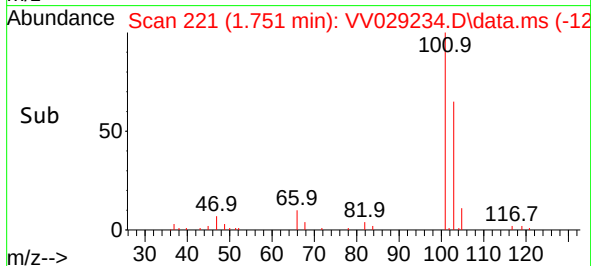
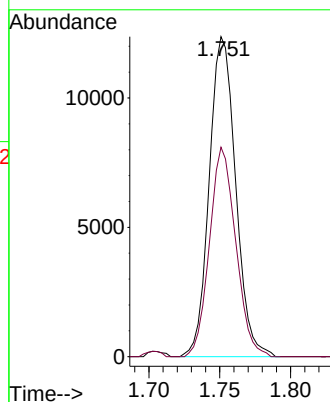


#9
 Trichlorofluoromethane
 Concen: 0.466 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029234.D
 Acq: 20 Nov 2022 18:53

Instrument :
 MSVOA_V
 ClientSampleId :

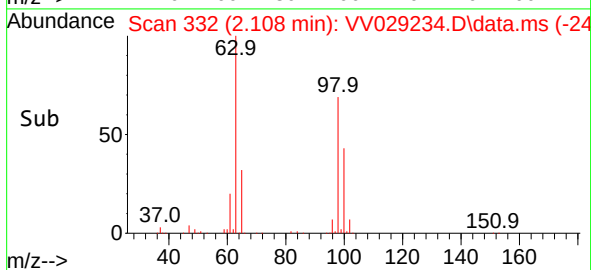
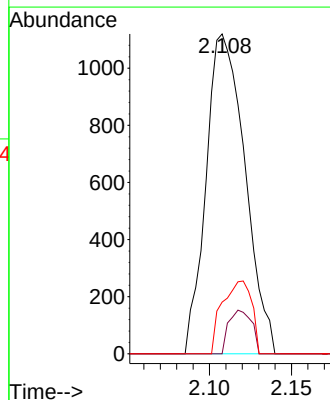
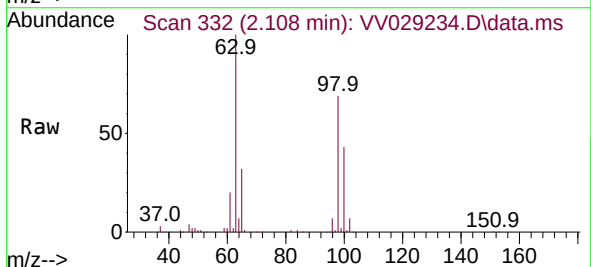


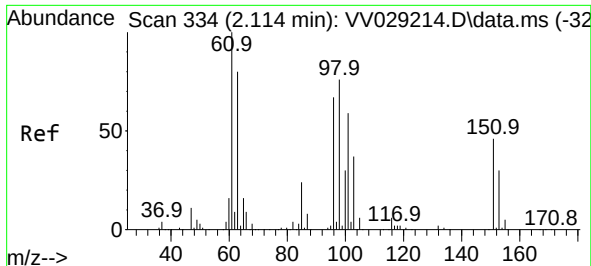
Tgt Ion:101 Resp: 16040
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.095 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.007 min
 Lab File: VV029234.D
 Acq: 20 Nov 2022 18:53

Tgt Ion:101 Resp: 1842
 Ion Ratio Lower Upper
 101 100
 85 8.0 32.9 49.3#
 151 17.1 62.5 93.7#





#12

1,1-Dichloroethene

Concen: 0.676 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

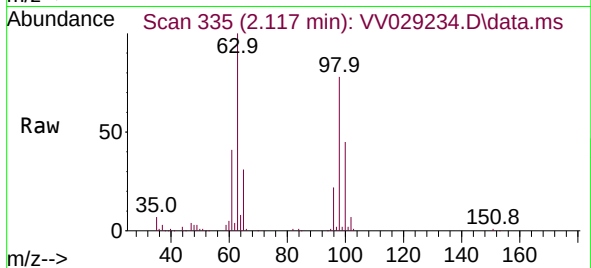
Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

ClientSampleId :



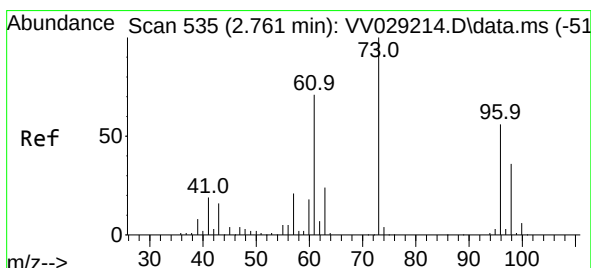
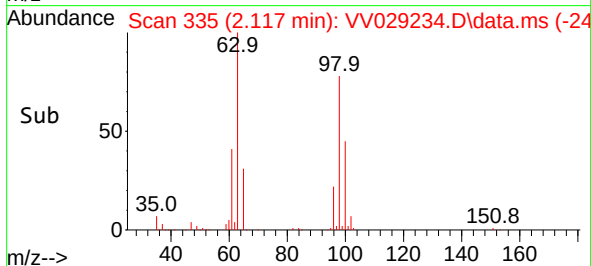
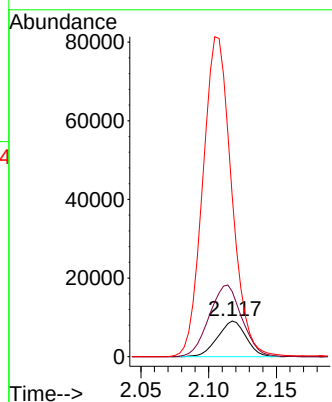
Tgt Ion: 96 Resp: 13215

Ion Ratio Lower Upper

96 100

61 182.6 104.2 193.4

63 450.0 75.9 140.9#



#17

Methyl tert-butyl Ether

Concen: 0.519 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

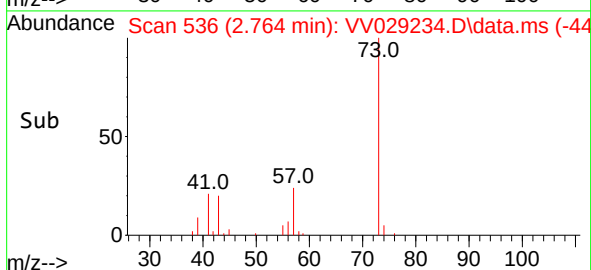
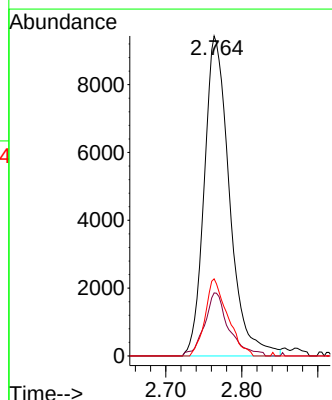
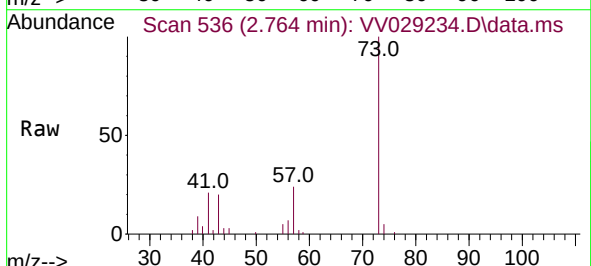
Tgt Ion: 73 Resp: 21748

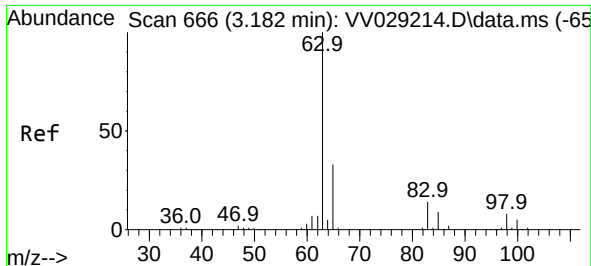
Ion Ratio Lower Upper

73 100

43 19.0 13.0 19.4

57 21.3 16.6 24.8





#19

1,1-Dichloroethane

Concen: 1.247 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

ClientSampleId :

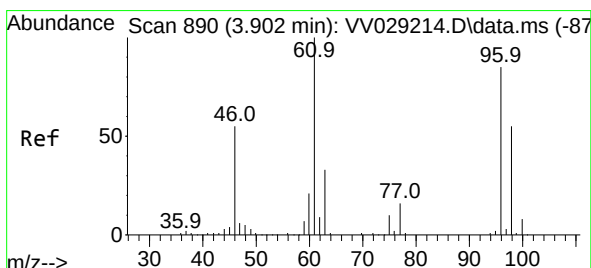
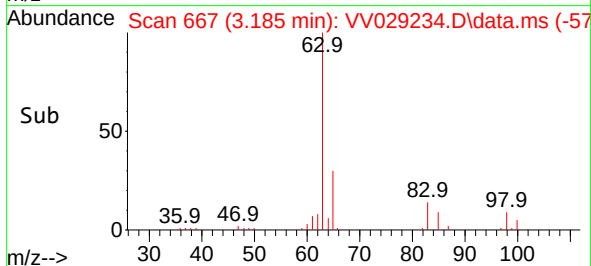
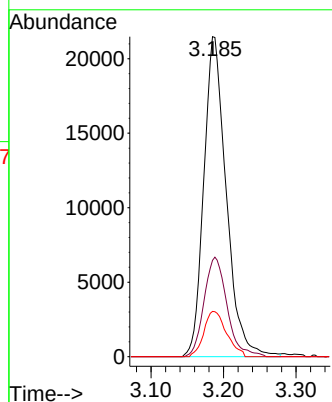
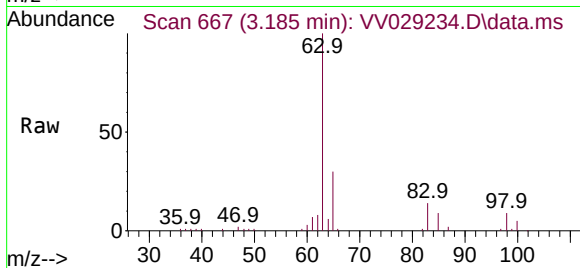
Tgt Ion: 63 Resp: 46254

Ion Ratio Lower Upper

63 100

65 30.8 23.0 42.6

83 14.2 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 0.061 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.016 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

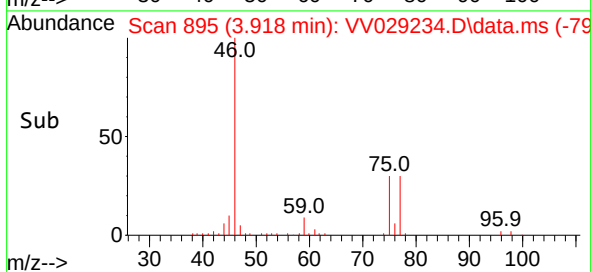
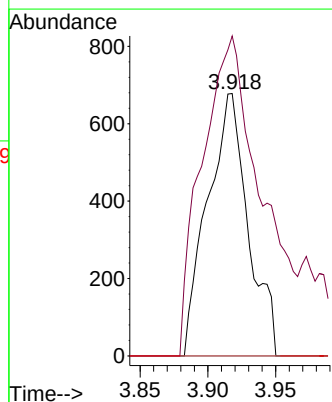
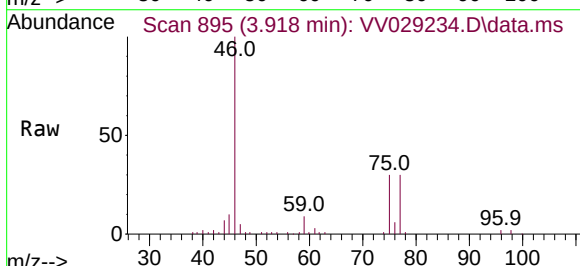
Tgt Ion: 96 Resp: 1410

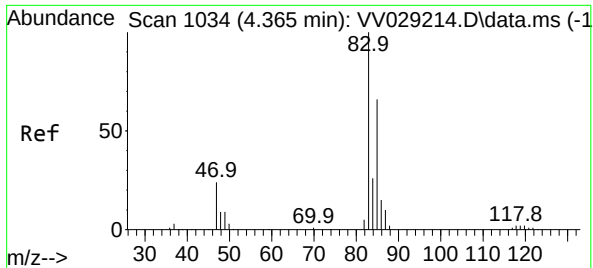
Ion Ratio Lower Upper

96 100

61 122.0 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.842 ug/L

RT: 4.371 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

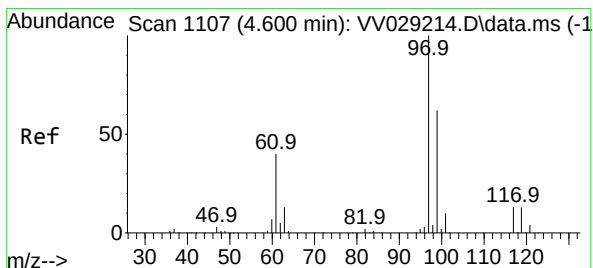
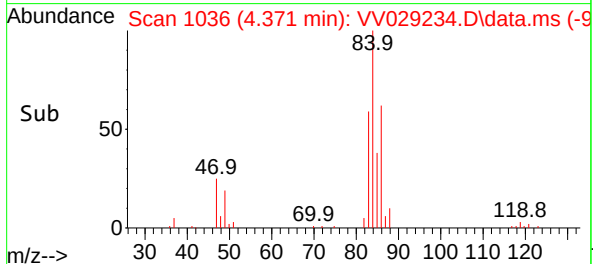
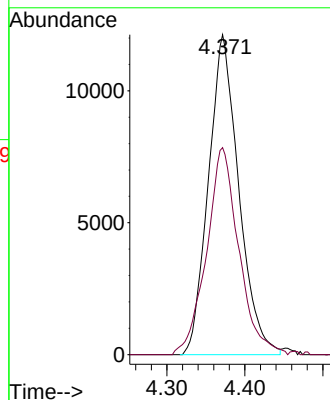
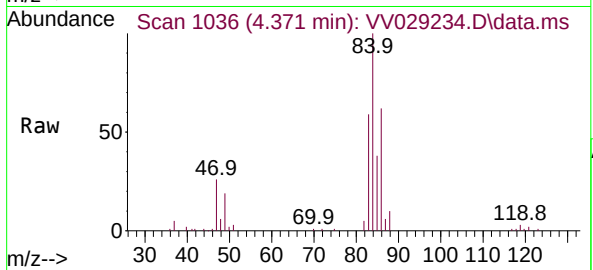
ClientSampleId :

Tgt Ion: 83 Resp: 32759

Ion Ratio Lower Upper

83 100

85 64.7 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.247 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

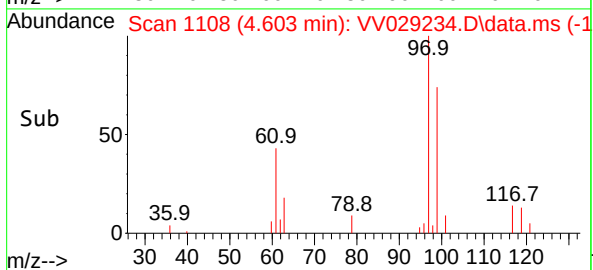
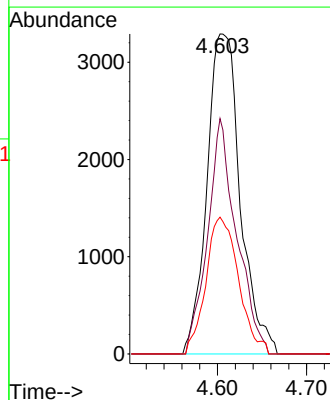
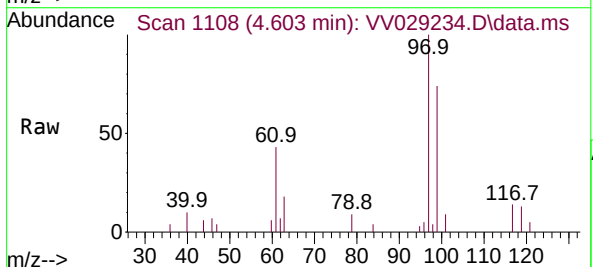
Tgt Ion: 97 Resp: 8565

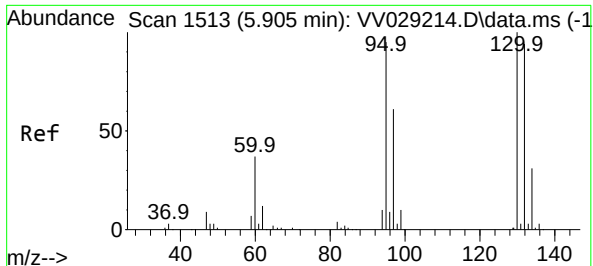
Ion Ratio Lower Upper

97 100

99 63.8 52.7 79.1

61 41.9 33.8 50.6

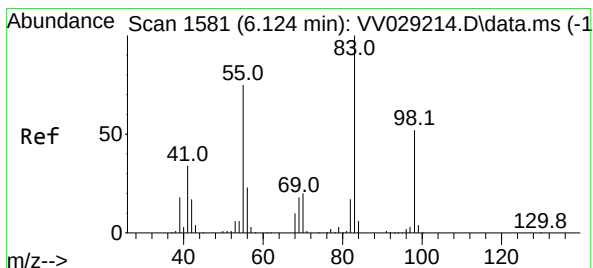
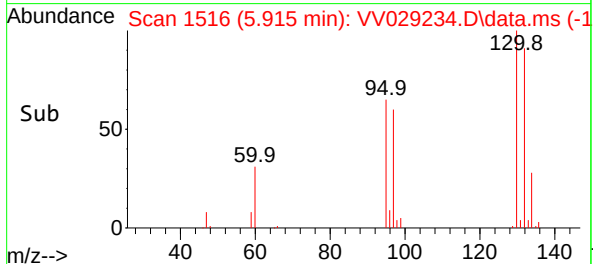
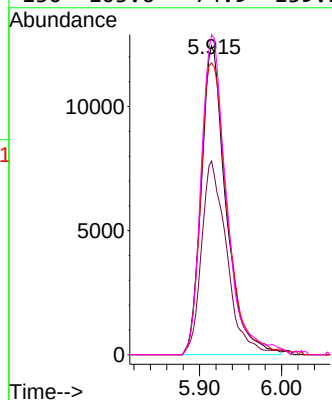
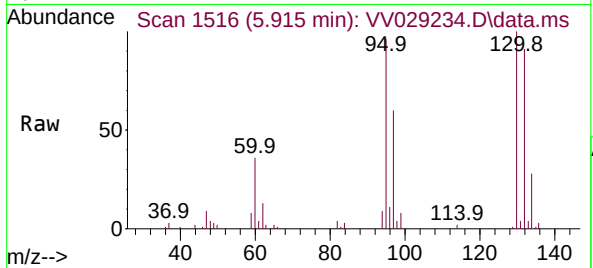




#34
Trichloroethene
Concen: 1.128 ug/L
RT: 5.915 min Scan# 1513
Delta R.T. 0.009 min
Lab File: VV029234.D
Acq: 20 Nov 2022 18:53

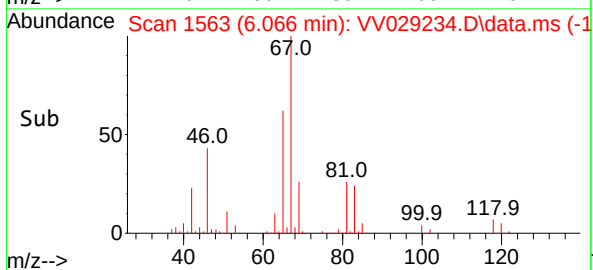
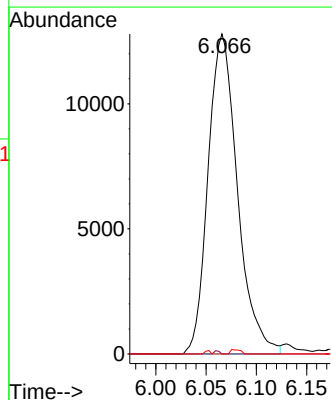
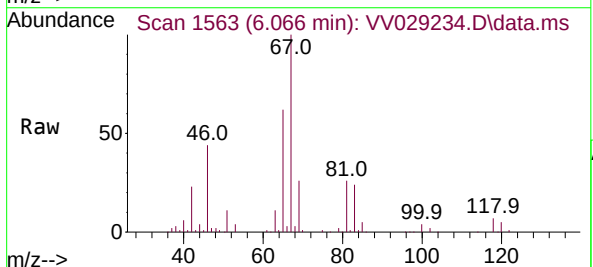
Instrument :
MSVOA_V
ClientSampleId :

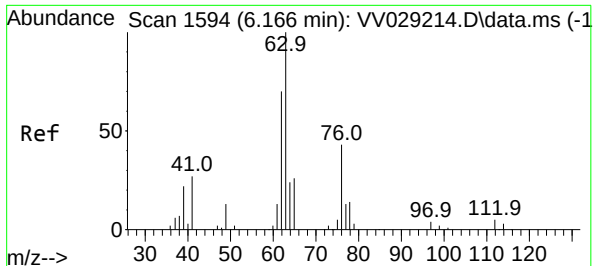
Tgt Ion: 95 Resp: 26075
Ion Ratio Lower Upper
95 100
97 62.7 45.6 84.8
132 94.5 69.1 128.3
130 103.6 74.9 139.1



#35
Methylcyclohexane
Concen: 0.641 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV029234.D
Acq: 20 Nov 2022 18:53

Tgt Ion: 83 Resp: 26038
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 0.5 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.576 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

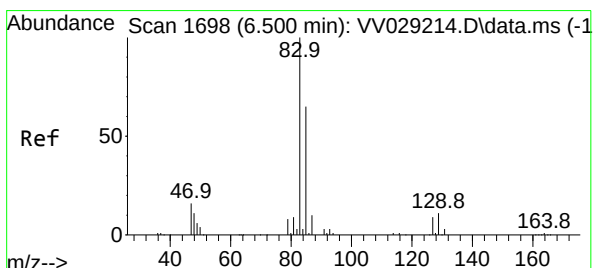
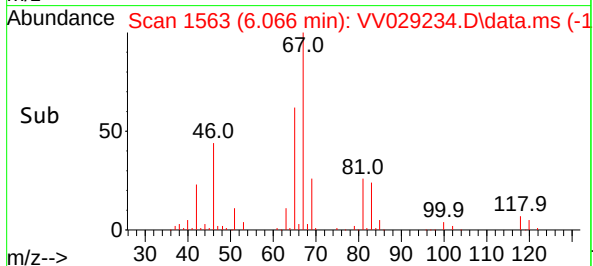
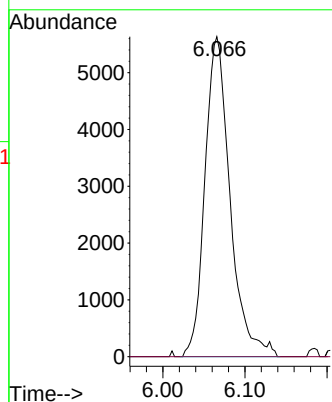
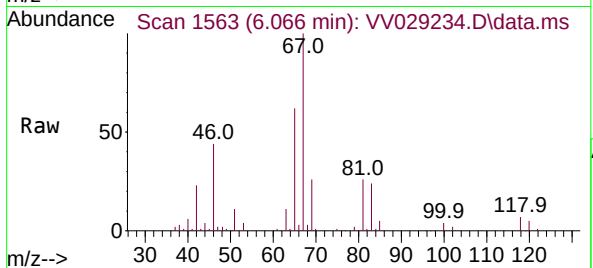
ClientSampleId :

Tgt Ion: 63 Resp: 11988

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 0.034 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.019 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

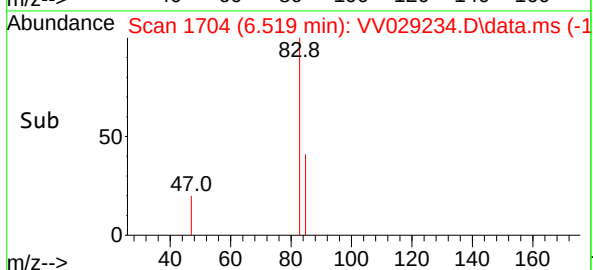
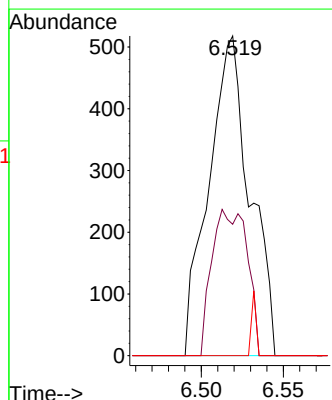
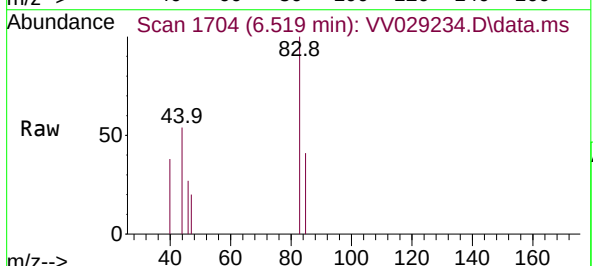
Tgt Ion: 83 Resp: 903

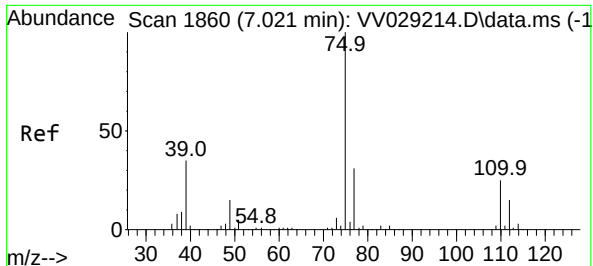
Ion Ratio Lower Upper

83 100

85 41.1 46.1 85.5#

127 0.0 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

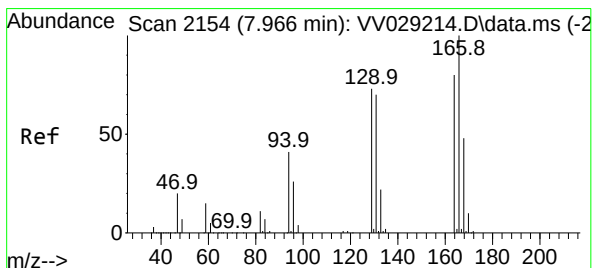
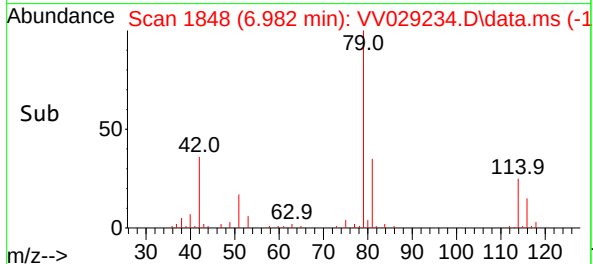
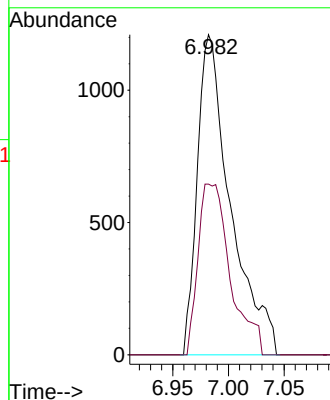
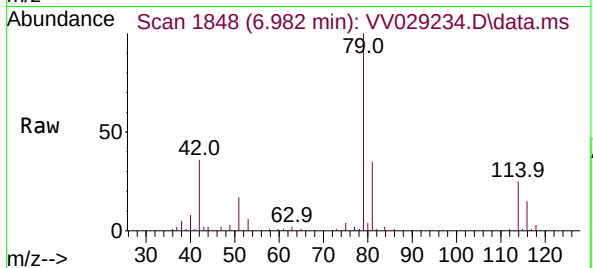
ClientSampleId :

Tgt Ion: 75 Resp: 2512

Ion Ratio Lower Upper

75 100

77 53.3 21.8 40.6#



#47

Tetrachloroethene

Concen: 0.590 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Tgt Ion:164 Resp: 10921

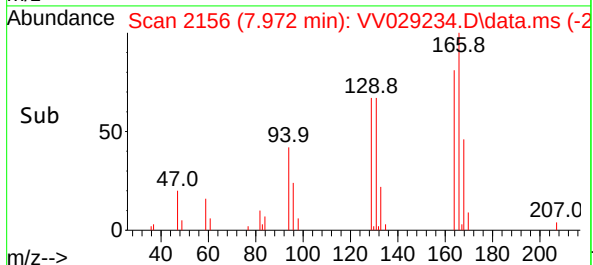
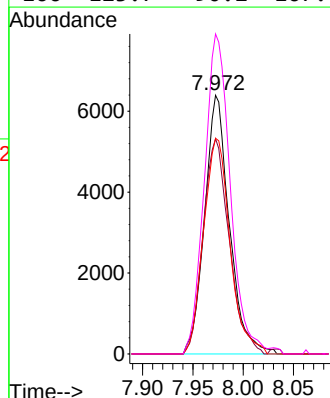
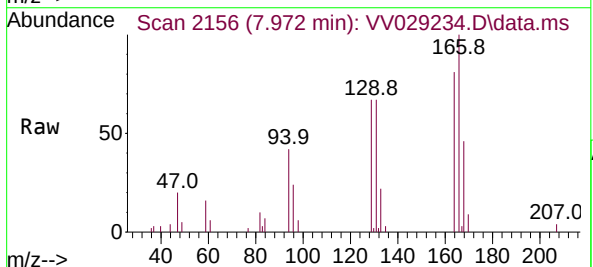
Ion Ratio Lower Upper

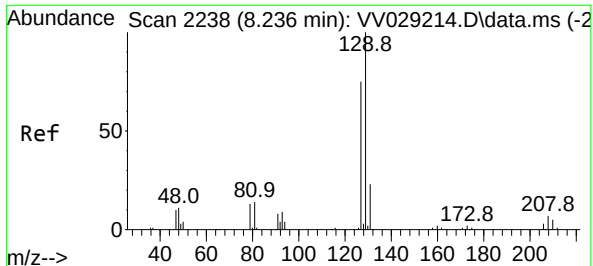
164 100

129 83.2 63.9 118.7

131 83.4 61.8 114.8

166 123.7 90.2 167.4





#49

Dibromochloromethane

Concen: 0.580 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.264 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Instrument :

MSVOA_V

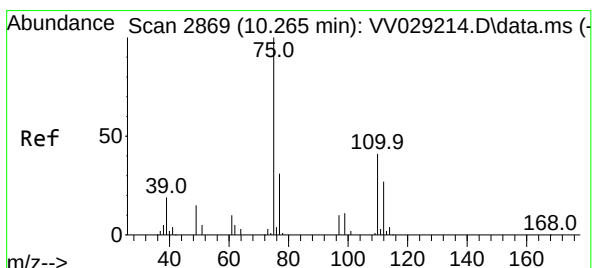
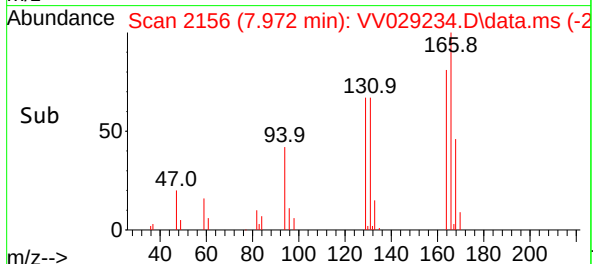
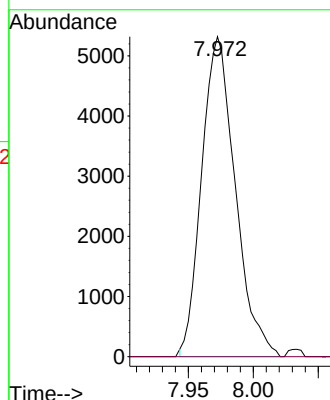
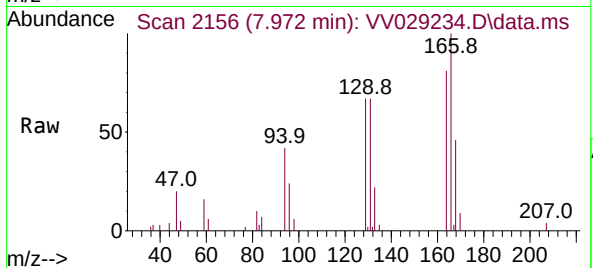
ClientSampleId :

Tgt Ion:129 Resp: 9566

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.560 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.974 min

Lab File: VV029234.D

Acq: 20 Nov 2022 18:53

Tgt Ion: 75 Resp: 14450

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.2

110 2.9 32.6 48.8#

