

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029259.D
 Acq On : 21 Nov 2022 05:51
 Operator : SY/MD
 Sample : N5725-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 06:11:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	487115	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	433485	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	218296	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	137929	4.645	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.800%	
7) Chloroethane-d5	1.565	69	115896	4.439	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	88.800%	
11) 1,1-Dichloroethene-d2	2.108	63	362613	6.700	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	134.000%#	
20) 2-Butanone-d5	3.880	46	318606	64.091	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	128.180%	
24) Chloroform-d	4.336	84	244200	4.005	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	80.200%	
26) 1,2-Dichloroethane-d4	5.024	65	111581	4.068	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.400%	
32) Benzene-d6	5.040	84	519229	4.013	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	80.200%	
36) 1,2-Dichloropropane-d6	6.063	67	161841	4.479	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.600%	
41) Toluene-d8	7.307	98	459470	3.945	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.800%	
43) trans-1,3-Dichloroprop...	7.613	79	57115	4.847	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	97.000%	
46) 2-Hexanone-d5	8.082	63	277298	55.130	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	110.260%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	114046	4.553	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	91.000%	
66) 1,2-Dichlorobenzene-d4	11.616	152	171619	4.394	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	87.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	4802	0.118	ug/L	96
3) Chloromethane	1.240	50	10284	0.305	ug/L	99
5) Vinyl chloride	1.307	62	2446	0.064	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	2645	0.090	ug/L #	25
12) 1,1-Dichloroethene	2.114	96	403696	13.690	ug/L #	83
14) Carbon disulfide	2.291	76	53060	0.507	ug/L	100
17) Methyl tert-butyl Ether	2.757	73	3585	0.057	ug/L #	50
18) trans-1,2-Dichloroethene	2.757	96	8225	0.240	ug/L	96
19) 1,1-Dichloroethane	3.179	63	1525847	27.291	ug/L	99
22) cis-1,2-Dichloroethene	3.899	96	5465127	157.181	ug/L	97
25) Chloroform	4.365	83	20274	0.346	ug/L	99
27) 1,2-Dichloroethane	5.124	62	53040	1.757	ug/L	98
29) 1,1,1-Trichloroethane	4.597	97	1693058	33.284	ug/L	98
31) Carbon tetrachloride	4.597	117	231052	5.275	ug/L	100
33) Benzene	5.098	78	6179	0.047	ug/L	100
34) Trichloroethene	5.905	95	1142367	33.686	ug/L	98
35) Methylcyclohexane	6.060	83	38311	0.643	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	16138	0.528	ug/L #	85
49) Dibromochloromethane	7.973	129	661	0.027	ug/L #	10

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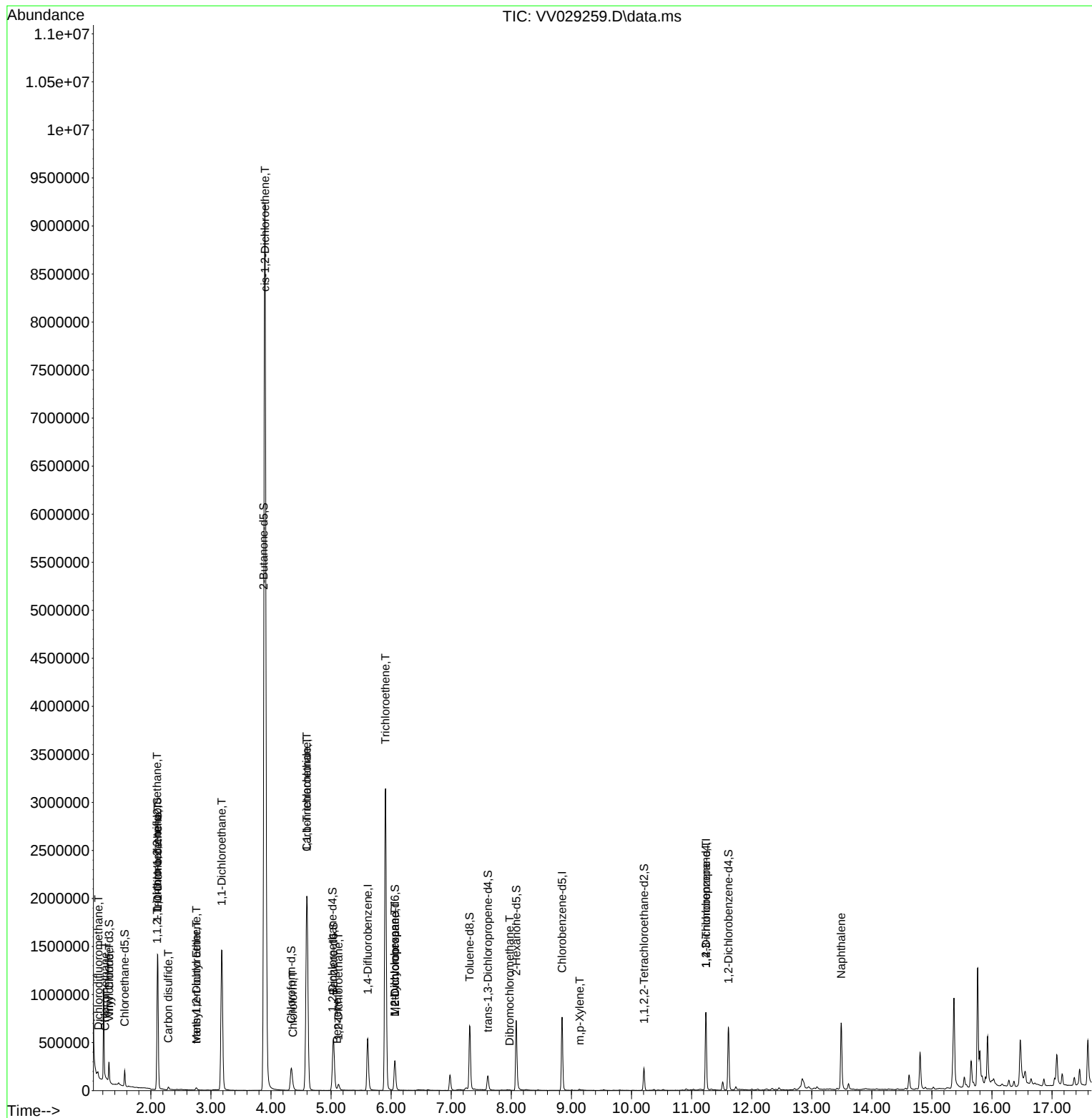
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.137	106	2211	0.037	ug/L	82
61) 1,2,3-Trichloropropane	11.239	75	24255	1.626	ug/L #	65
71) Naphthalene	13.490	128	573049	11.432	ug/L	99

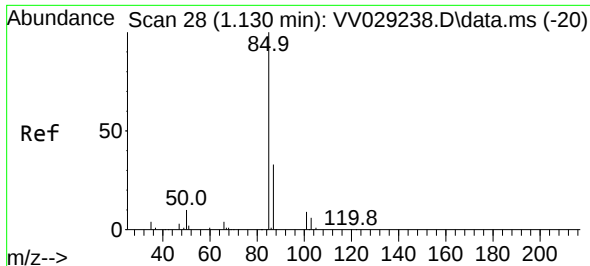
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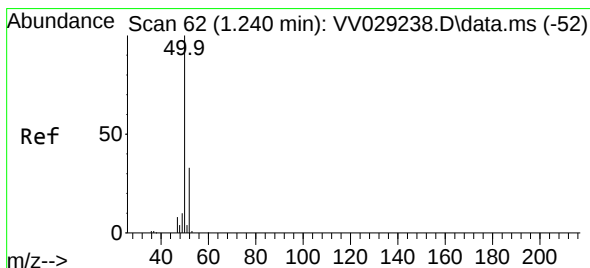
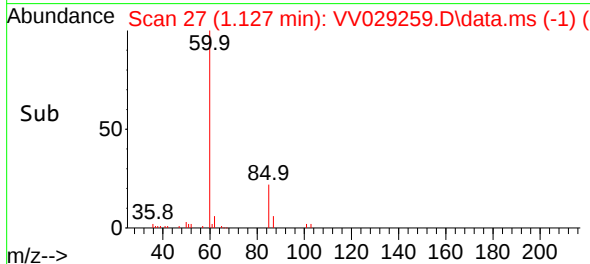
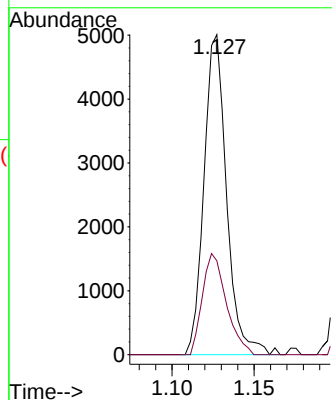
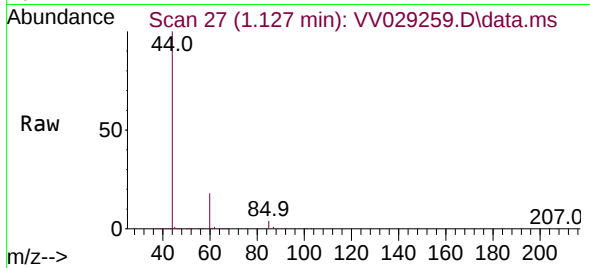




#2
Dichlorodifluoromethane
Concen: 0.118 ug/L
RT: 1.127 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

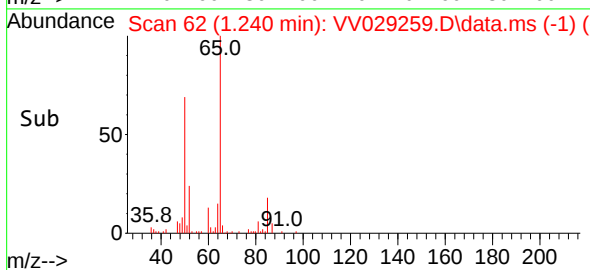
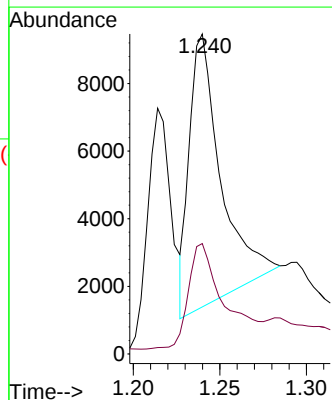
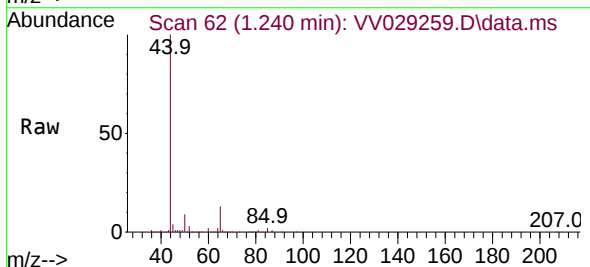
Instrument :
MSVOA_V
ClientSampleId :

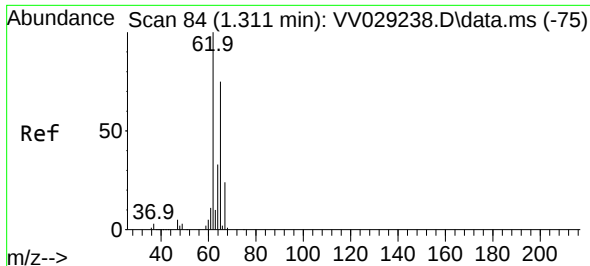
Tgt Ion: 85 Resp: 4802
Ion Ratio Lower Upper
85 100
87 33.5 25.0 37.4



#3
Chloromethane
Concen: 0.305 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

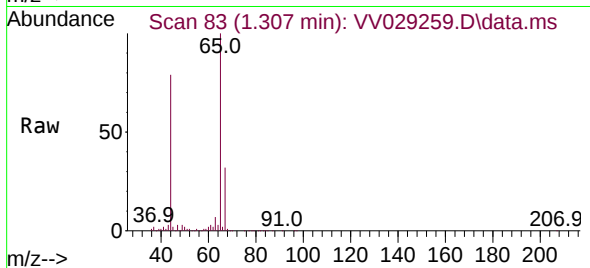
Tgt Ion: 50 Resp: 10284
Ion Ratio Lower Upper
50 100
52 34.5 23.7 43.9



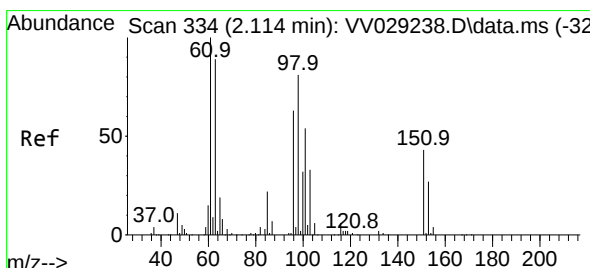
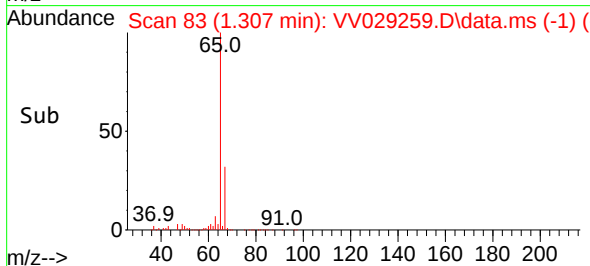
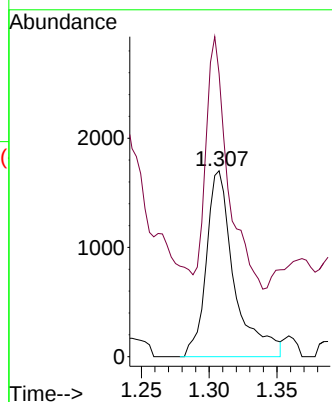


#5
 Vinyl chloride
 Concen: 0.064 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV029259.D
 Acq: 21 Nov 2022 05:51

Instrument :
 MSVOA_V
 ClientSampleId :

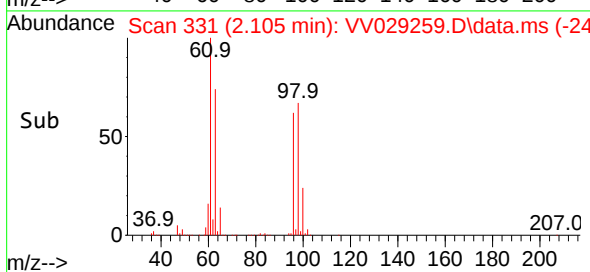
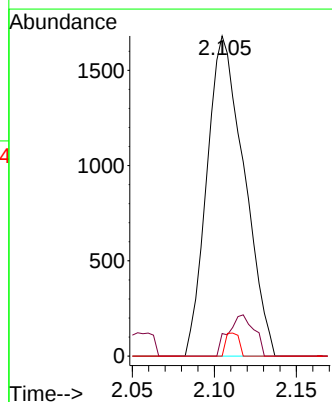
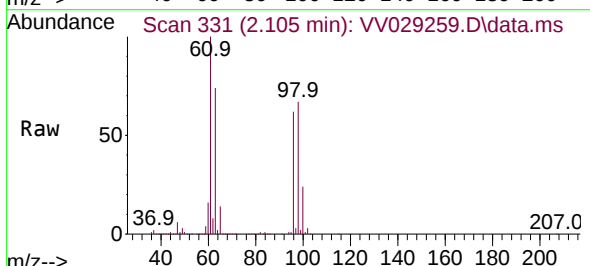


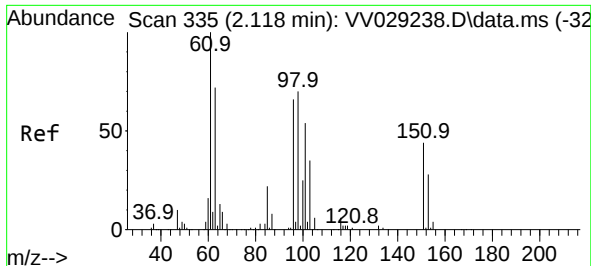
Tgt Ion: 62 Resp: 2446
 Ion Ratio Lower Upper
 62 100
 64 152.1 22.8 42.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.090 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.010 min
 Lab File: VV029259.D
 Acq: 21 Nov 2022 05:51

Tgt Ion: 101 Resp: 2645
 Ion Ratio Lower Upper
 101 100
 85 9.0 32.9 49.3#
 151 2.5 62.5 93.7#

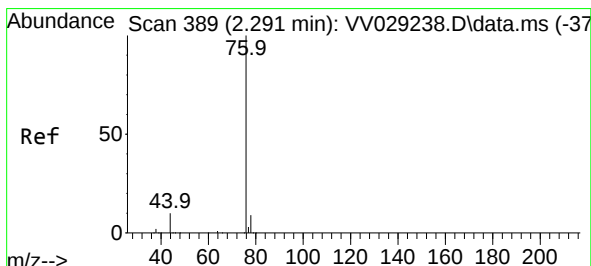
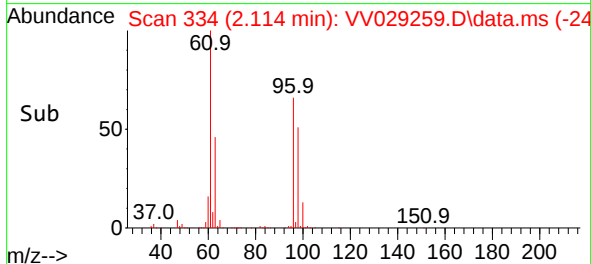
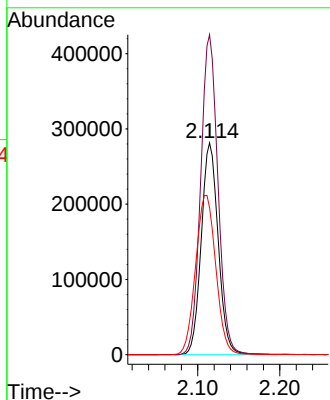
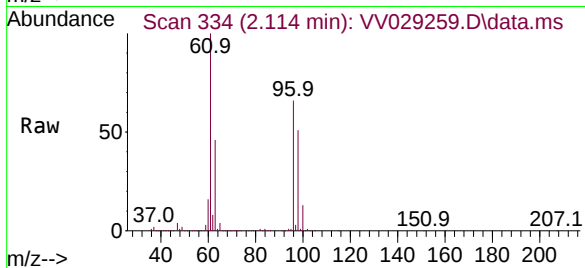




#12
1,1-Dichloroethene
Concen: 13.690 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

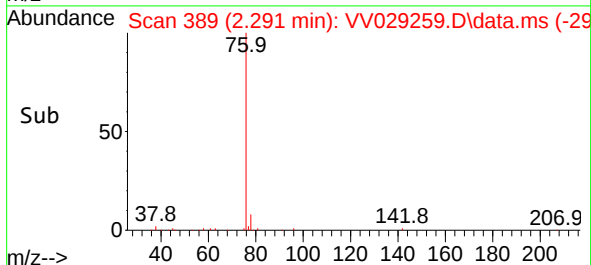
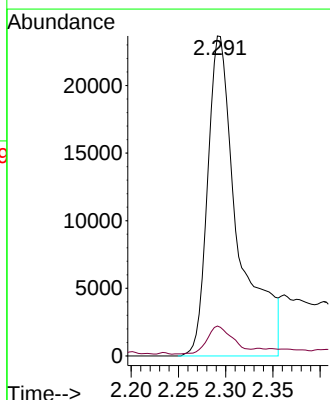
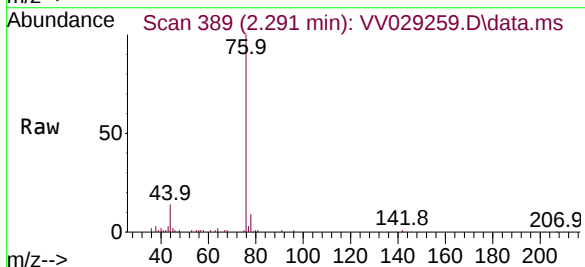
Instrument :
MSVOA_V
ClientSampleId :

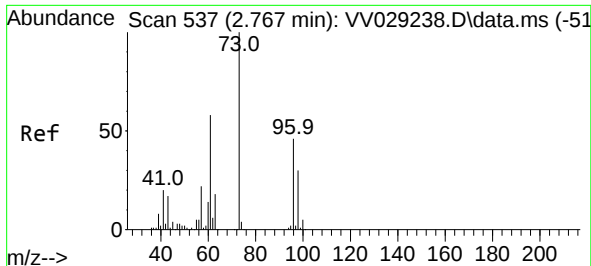
Tgt Ion: 96 Resp: 403696
Ion Ratio Lower Upper
96 100
61 151.0 104.2 193.4
63 69.4 75.9 140.9#



#14
Carbon disulfide
Concen: 0.507 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

Tgt Ion: 76 Resp: 53060
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#17

Methyl tert-butyl Ether

Concen: 0.057 ug/L

RT: 2.757 min Scan# 537

Delta R.T. -0.010 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

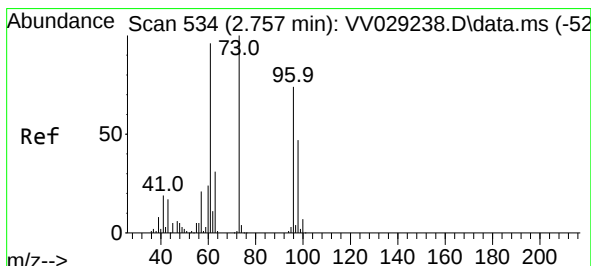
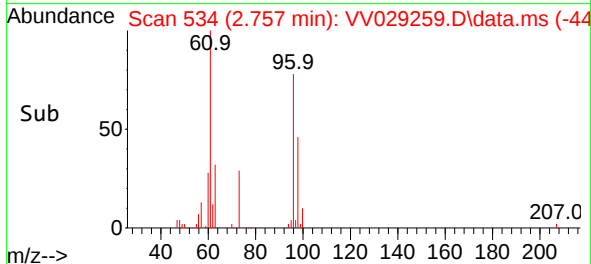
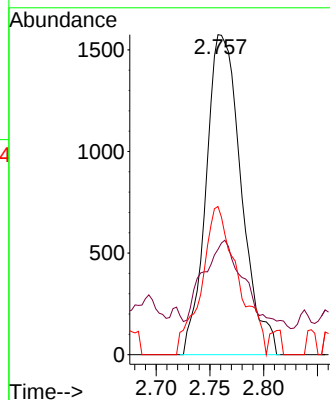
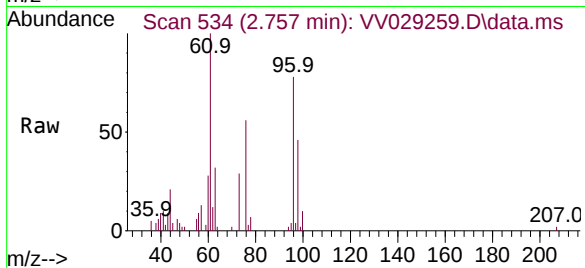
Tgt Ion: 73 Resp: 3585

Ion Ratio Lower Upper

73 100

43 32.4 13.0 19.4#

57 48.2 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.240 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.000 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

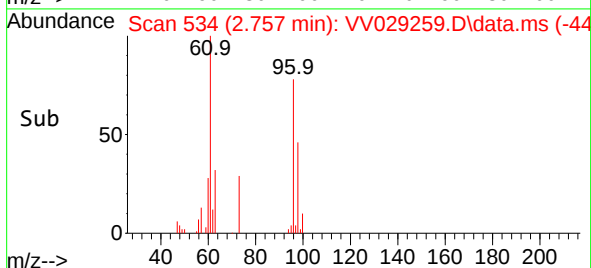
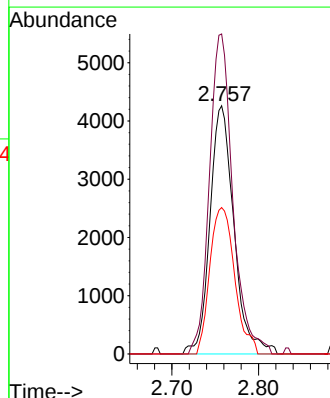
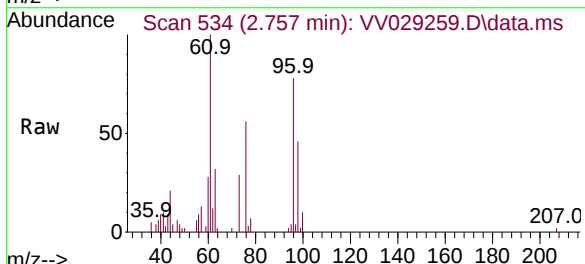
Tgt Ion: 96 Resp: 8225

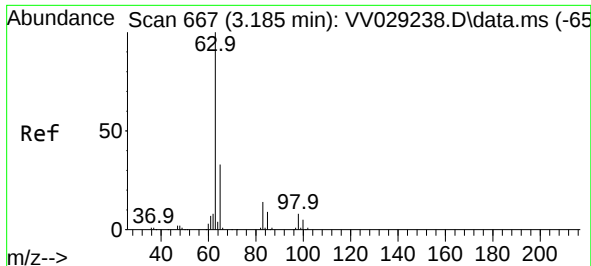
Ion Ratio Lower Upper

96 100

61 128.9 91.8 170.6

98 59.0 46.4 86.2





#19

1,1-Dichloroethane

Concen: 27.291 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.006 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

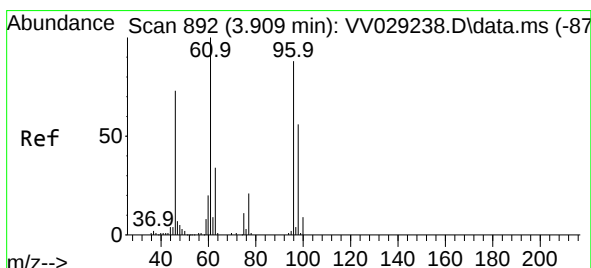
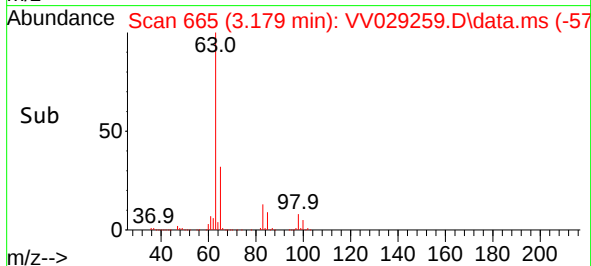
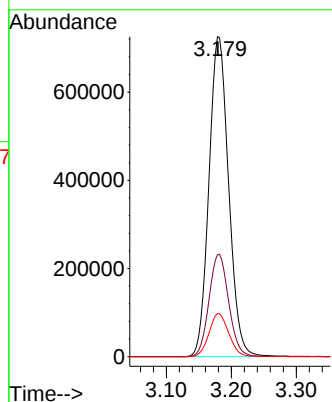
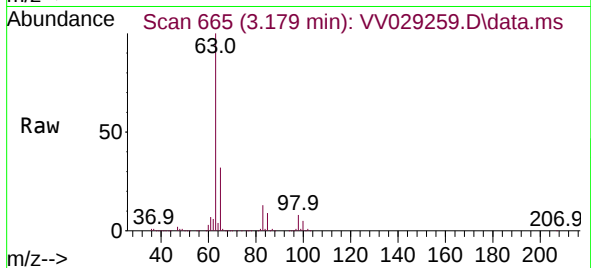
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63 Resp: 1525847

Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.0	42.6
83	13.5	9.4	17.6



#22

cis-1,2-Dichloroethene

Concen: 157.181 ug/L

RT: 3.899 min Scan# 889

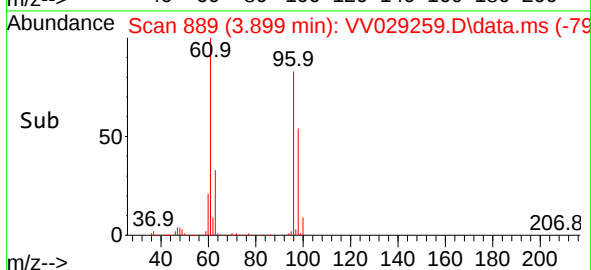
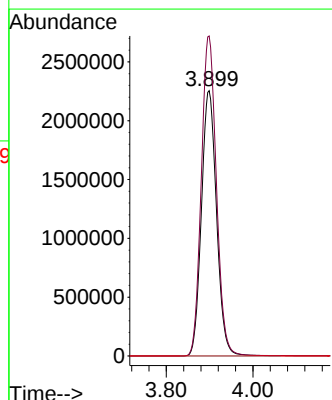
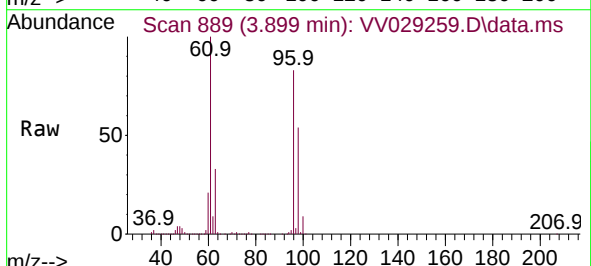
Delta R.T. -0.010 min

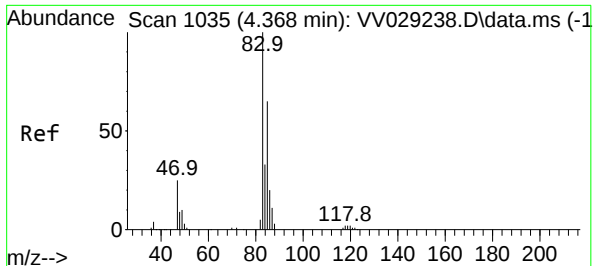
Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

Tgt Ion: 96 Resp: 5465127

Ion	Ratio	Lower	Upper
96	100		
61	120.6	82.3	152.9
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.346 ug/L

RT: 4.365 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV029259.D

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Instrument :

MSVOA_V

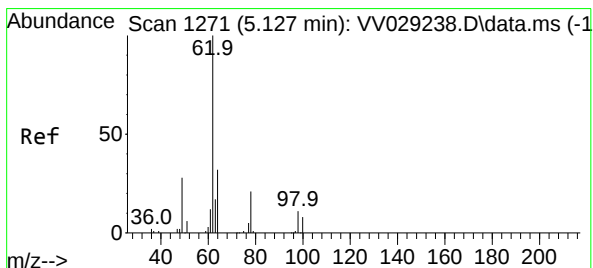
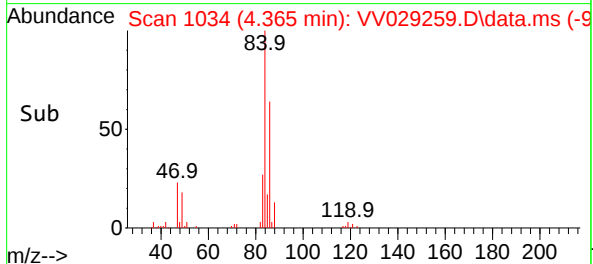
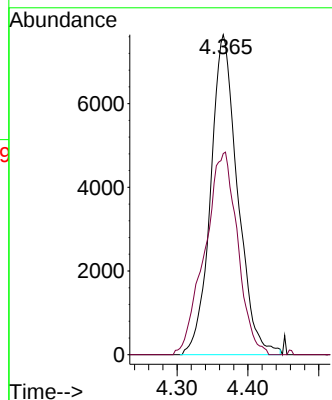
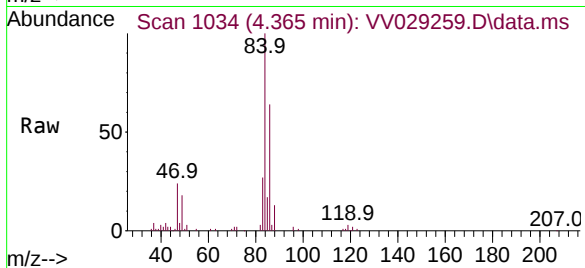
ClientSampleId :

Tgt Ion: 83 Resp: 20274

Ion Ratio Lower Upper

83 100

85 62.8 43.7 81.1



#27

1,2-Dichloroethane

Concen: 1.757 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV029259.D

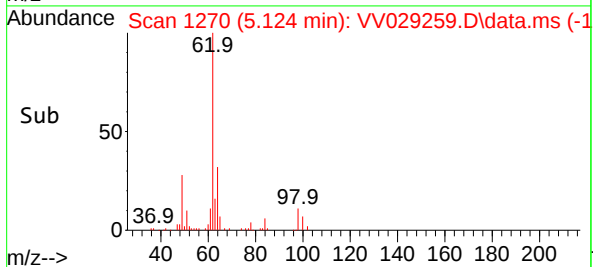
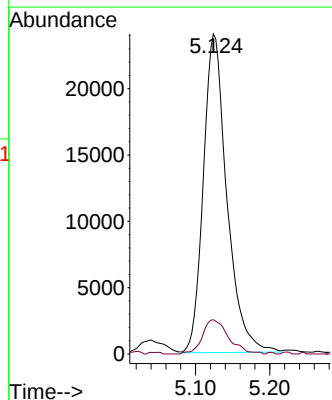
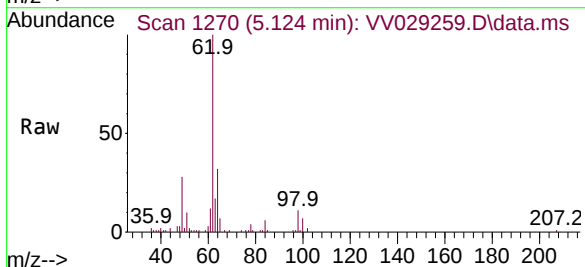
Acq: 21 Nov 2022 05:51

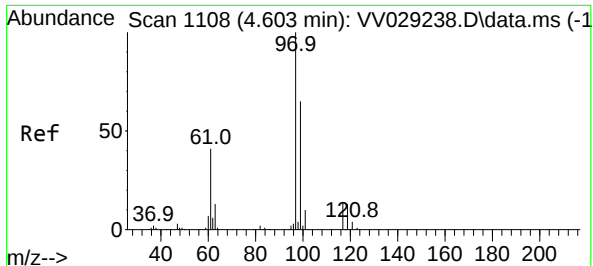
Tgt Ion: 62 Resp: 53040

Ion Ratio Lower Upper

62 100

98 10.7 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 33.284 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

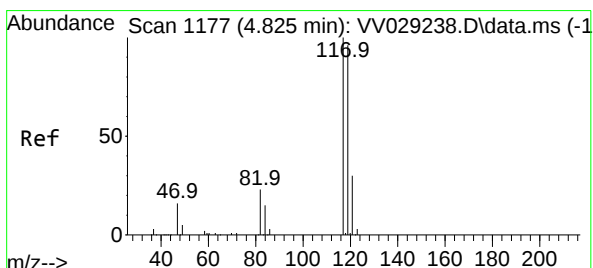
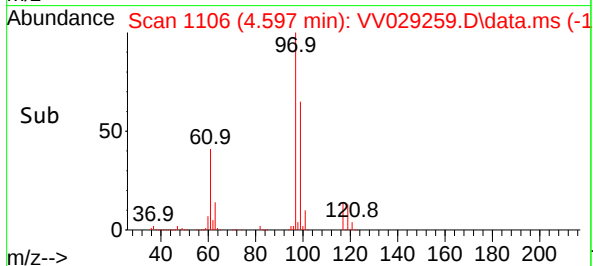
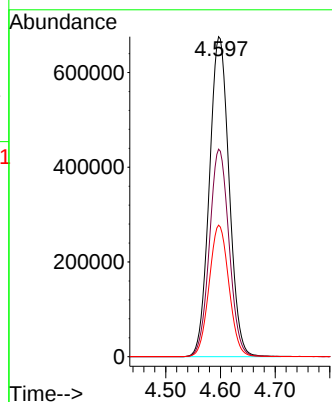
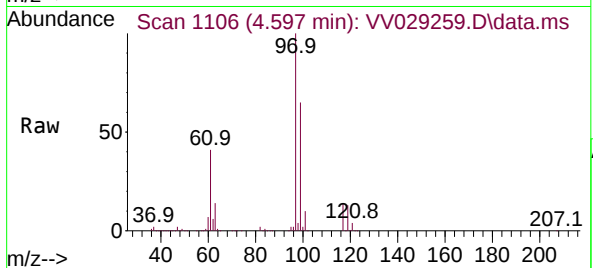
Tgt Ion: 97 Resp: 1693058

Ion Ratio Lower Upper

97 100

99 64.6 52.7 79.1

61 41.0 33.8 50.6



#31

Carbon tetrachloride

Concen: 5.275 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.228 min

Lab File: VV029259.D

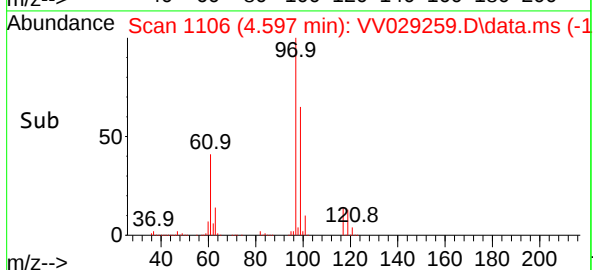
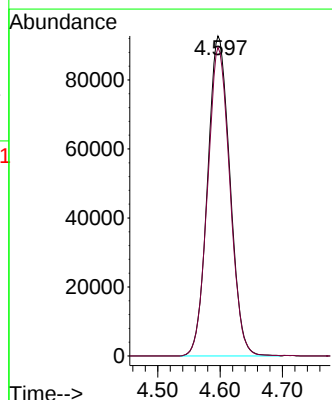
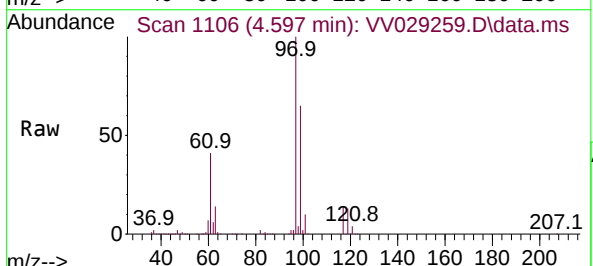
Acq: 21 Nov 2022 05:51

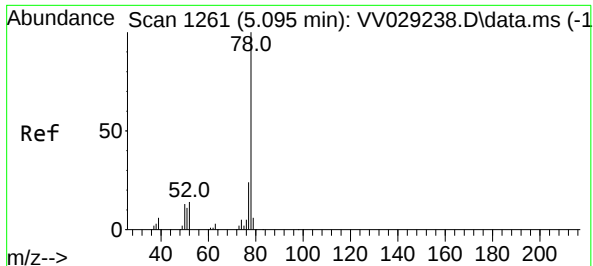
Tgt Ion: 117 Resp: 231052

Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.6

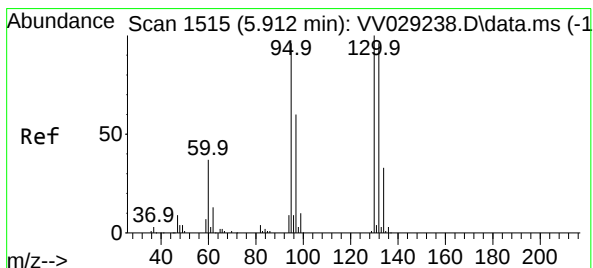
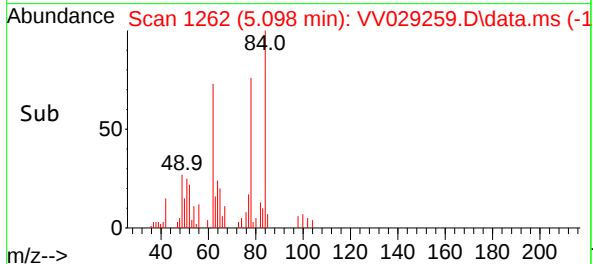
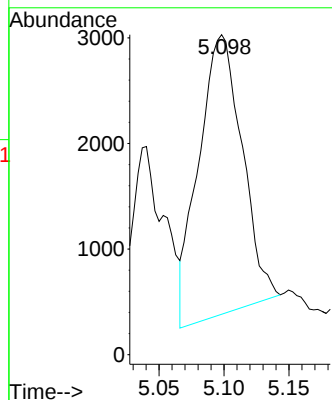
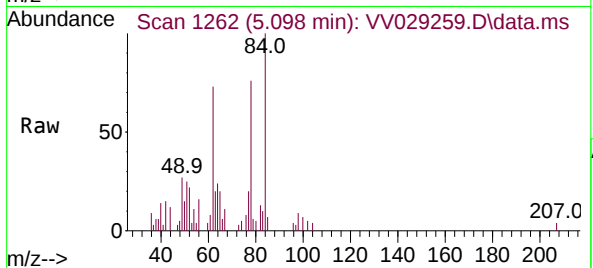




#33
Benzene
Concen: 0.047 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

Instrument :
MSVOA_V
ClientSampleId :

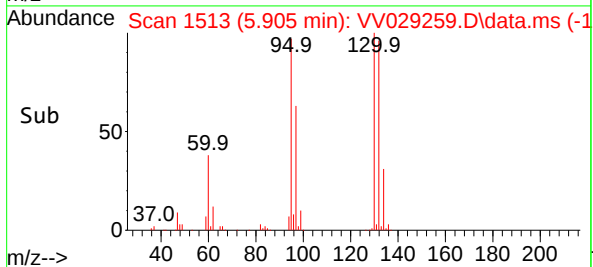
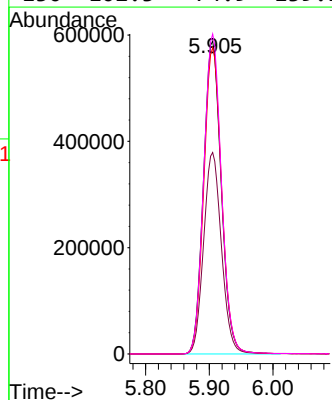
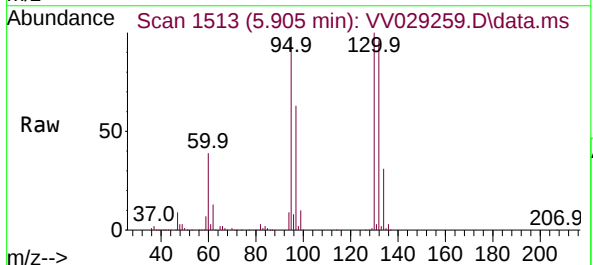
Tgt Ion: 78 Resp: 6179

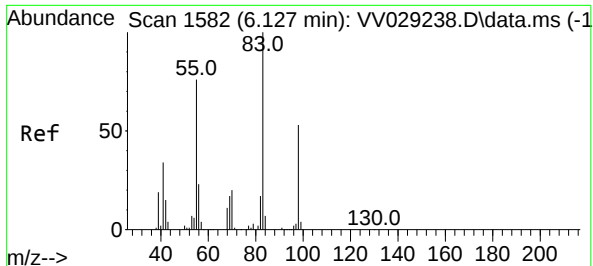


#34
Trichloroethene
Concen: 33.686 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

Tgt Ion: 95 Resp: 1142367

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.6	84.8
132	97.9	69.1	128.3
130	102.3	74.9	139.1





#35

Methylcyclohexane

Concen: 0.643 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. -0.067 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

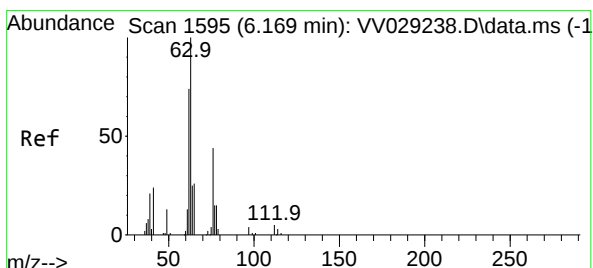
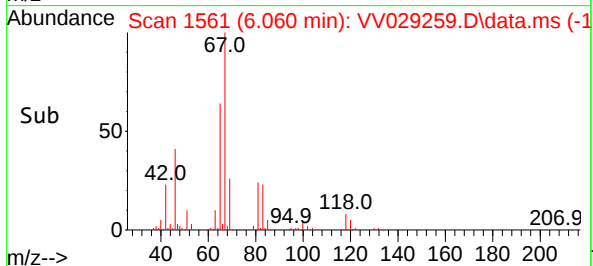
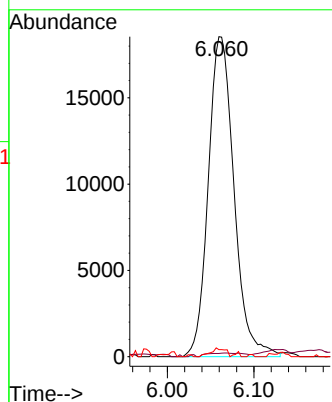
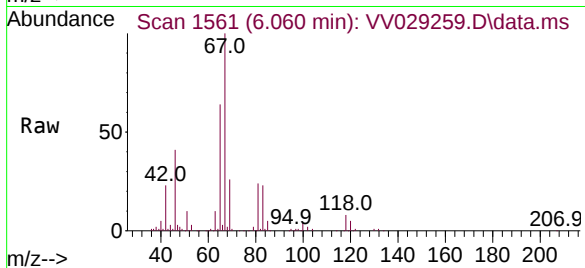
Tgt Ion: 83 Resp: 38311

Ion Ratio Lower Upper

83 100

55 1.1 55.8 83.6#

98 0.0 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.106 min

Lab File: VV029259.D

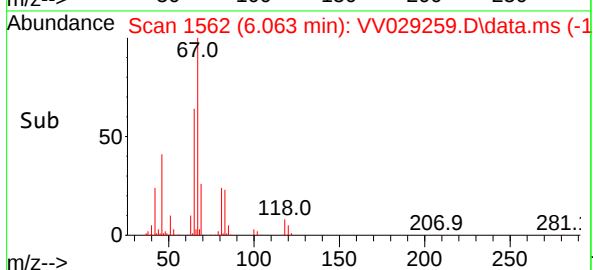
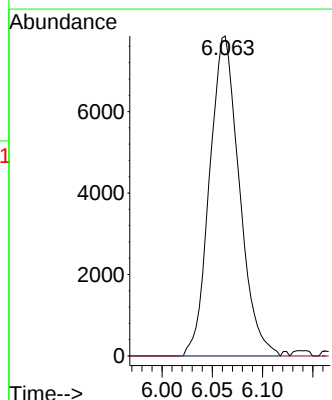
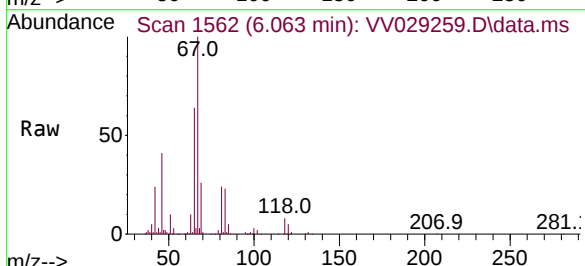
Acq: 21 Nov 2022 05:51

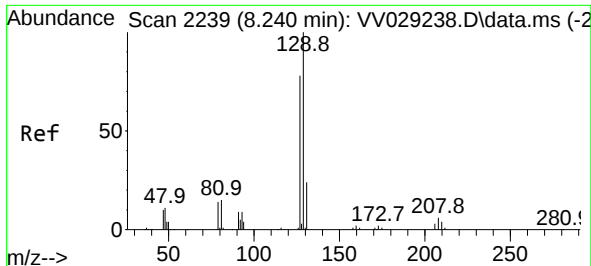
Tgt Ion: 63 Resp: 16138

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#49

Dibromochloromethane

Concen: 0.027 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV029259.D

Acq: 21 Nov 2022 05:51

Instrument :

MSVOA_V

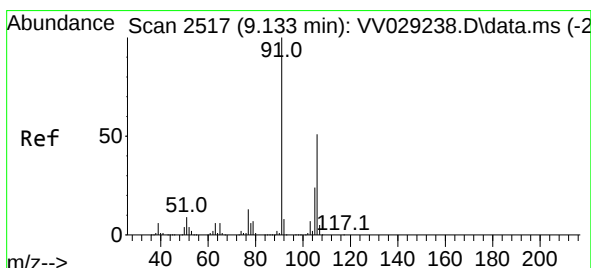
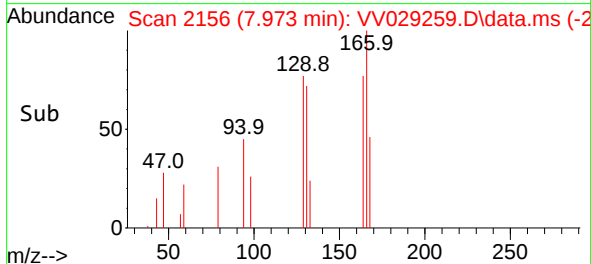
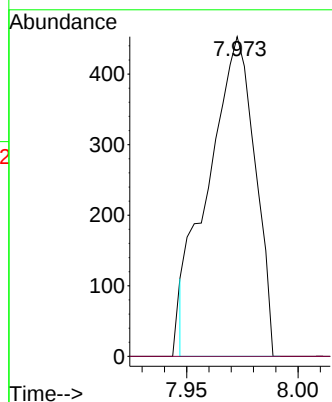
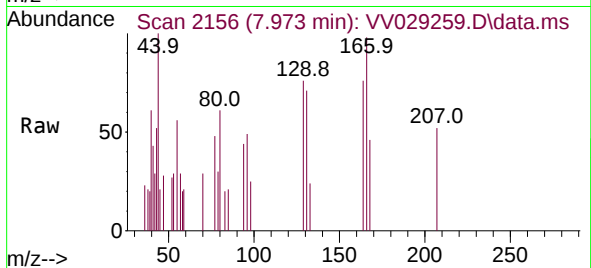
ClientSampleId :

Tgt Ion:129 Resp: 661

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#53

m,p-Xylene

Concen: 0.037 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.003 min

Lab File: VV029259.D

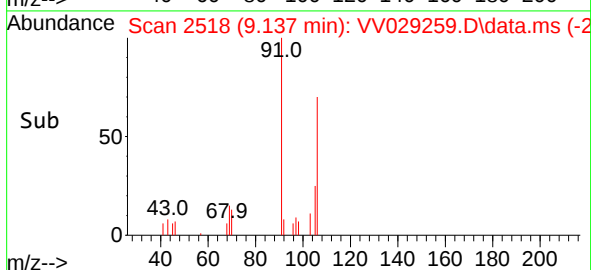
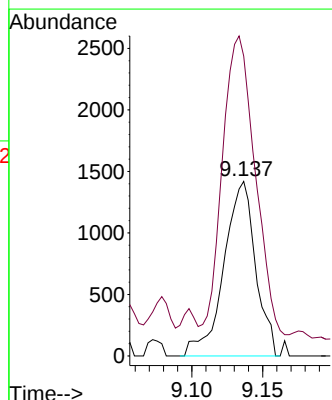
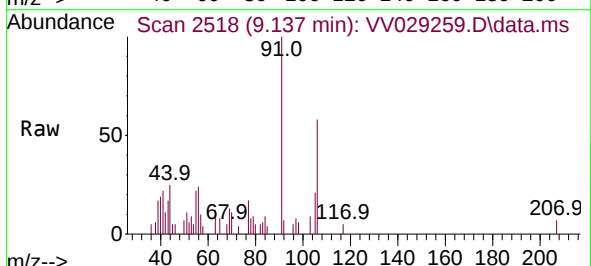
Acq: 21 Nov 2022 05:51

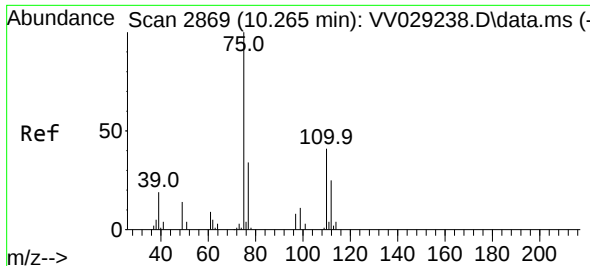
Tgt Ion:106 Resp: 2211

Ion Ratio Lower Upper

106 100

91 171.7 139.1 258.3

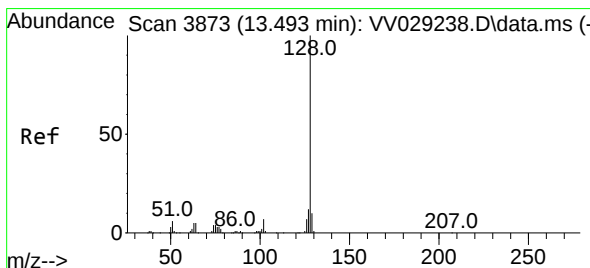
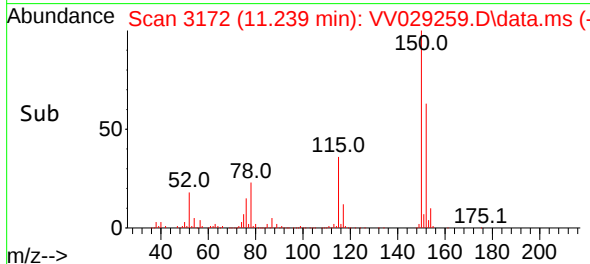
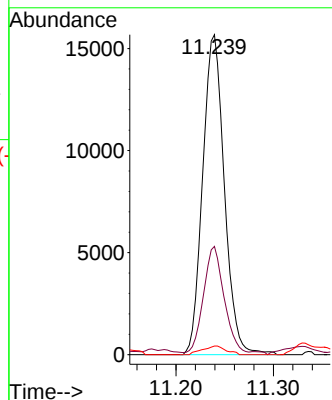
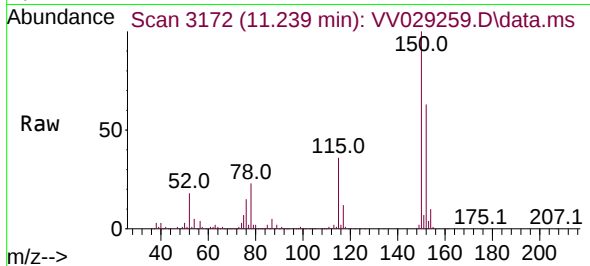




#61
1,2,3-Trichloropropane
Concen: 1.626 ug/L
RT: 11.239 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 24255
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2
110 3.0 32.6 48.8#



#71
Naphthalene
Concen: 11.432 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.003 min
Lab File: VV029259.D
Acq: 21 Nov 2022 05:51

Tgt Ion:128 Resp: 573049
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 9.8 14.8

