

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029253.D
 Acq On : 21 Nov 2022 03:24
 Operator : SY/MD
 Sample : N5725-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 03:58:07 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	470183	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	414759	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	207255	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	123529	4.309	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	86.200%	
7) Chloroethane-d5	1.564	69	107406	4.262	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.200%	
11) 1,1-Dichloroethene-d2	2.101	63	164130	3.142	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	62.800%	
20) 2-Butanone-d5	3.889	46	301708	62.878	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	125.760%	
24) Chloroform-d	4.336	84	238286	4.049	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.000%	
26) 1,2-Dichloroethane-d4	5.024	65	107472	4.059	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.200%	
32) Benzene-d6	5.040	84	506322	4.090	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.800%	
36) 1,2-Dichloropropane-d6	6.059	67	157724	4.562	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.200%	
41) Toluene-d8	7.307	98	438094	3.931	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.600%	
43) trans-1,3-Dichloroprop...	7.612	79	54180	4.805	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	96.200%	
46) 2-Hexanone-d5	8.082	63	246571	51.234	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.460%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	111250	4.642	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.800%	
66) 1,2-Dichlorobenzene-d4	11.615	152	164626	4.440	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	88.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.214	85	12883	0.329	ug/L	100
3) Chloromethane	1.236	50	11187	0.344	ug/L	94
5) Vinyl chloride	1.304	62	89519	2.413	ug/L	99
8) Chloroethane	1.580	64	2293	0.105	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	2817	0.099	ug/L #	22
12) 1,1-Dichloroethene	2.114	96	16316	0.573	ug/L #	1
13) Acetone	2.198	43	15715	5.091	ug/L	84
14) Carbon disulfide	2.291	76	33584	0.332	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	3456	0.057	ug/L #	67
18) trans-1,2-Dichloroethene	2.757	96	1574	0.048	ug/L	96
19) 1,1-Dichloroethane	3.182	63	239657	4.441	ug/L	99
22) cis-1,2-Dichloroethene	3.899	96	216461	6.450	ug/L	97
27) 1,2-Dichloroethane	5.127	62	5852	0.201	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	8328	0.171	ug/L	97
31) Carbon tetrachloride	4.600	117	1264	0.030	ug/L	86
33) Benzene	5.092	78	140881	1.112	ug/L	100
34) Trichloroethene	5.905	95	34270	1.056	ug/L	94
35) Methylcyclohexane	6.063	83	35963	0.631	ug/L #	22
37) 1,2-Dichloropropane	6.059	63	15655	0.536	ug/L #	85

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 ALS Vial : 43 Sample Multiplier: 1

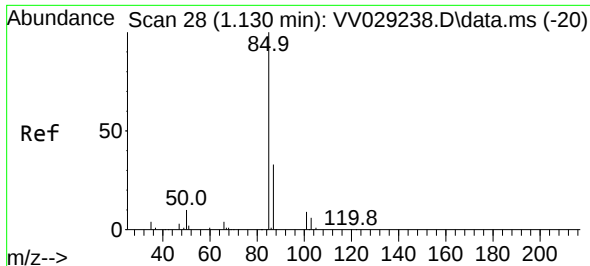
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 03:58:07 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)

39) cis-1,3-Dichloropropene	6.979	75	3440	0.084	ug/L #	55
51) Chlorobenzene	8.876	112	3734	0.044	ug/L #	84
53) m,p-Xylene	9.133	106	2782	0.049	ug/L	88
54) o-Xylene	9.535	106	3260	0.060	ug/L	96
60) Isopropylbenzene	9.924	105	74861	0.556	ug/L	98
62) 1,3,5-Trimethylbenzene	11.326	105	6124	0.054	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.445	75	5124	1.839	ug/L #	2
71) Naphthalene	13.493	128	25775	0.542	ug/L #	90

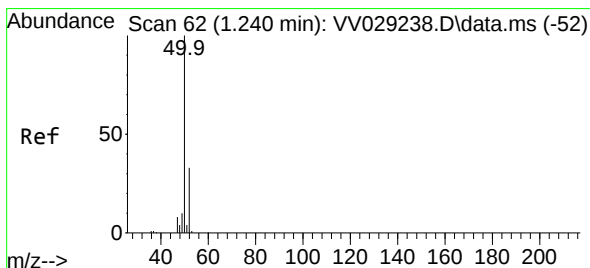
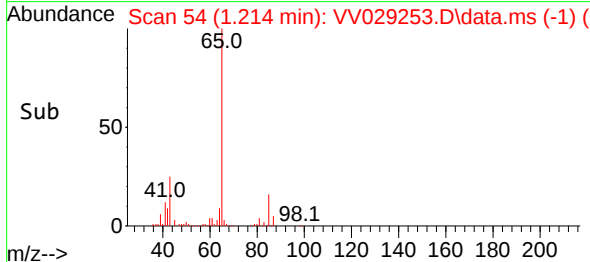
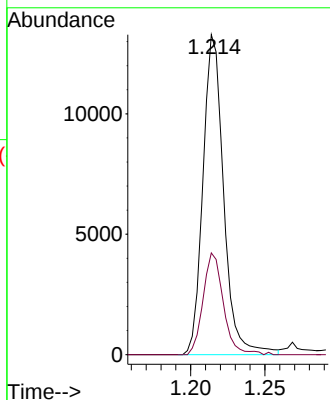
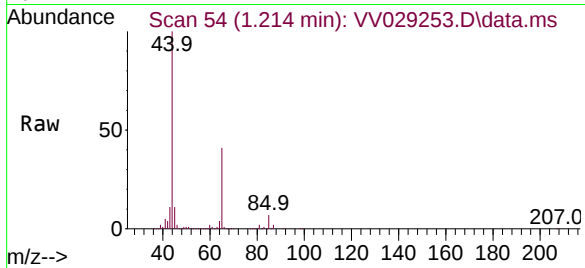
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.329 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.083 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

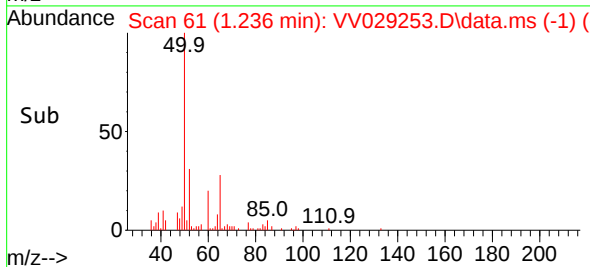
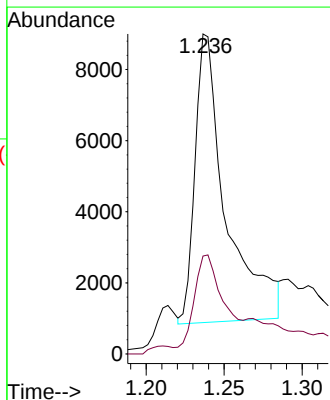
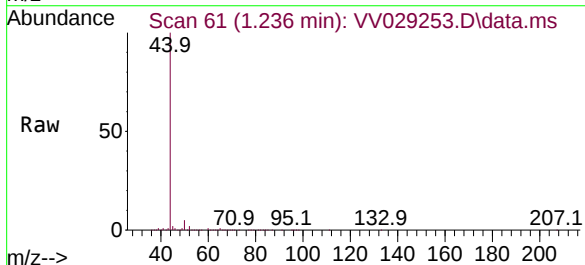
Instrument :
MSVOA_V
ClientSampleId :

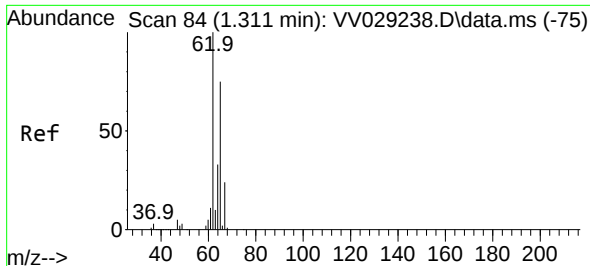
Tgt Ion: 85 Resp: 12883
Ion Ratio Lower Upper
85 100
87 31.2 25.0 37.4



#3
Chloromethane
Concen: 0.344 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

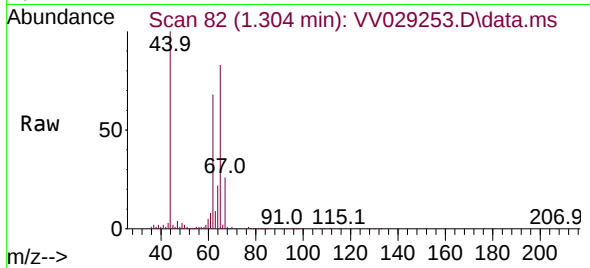
Tgt Ion: 50 Resp: 11187
Ion Ratio Lower Upper
50 100
52 30.6 23.7 43.9



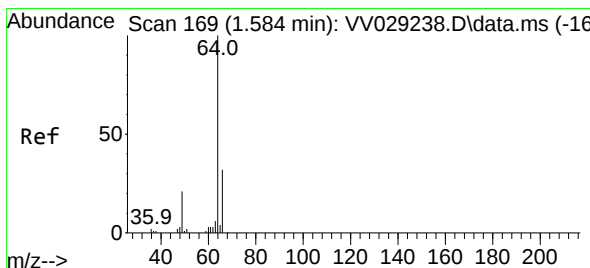
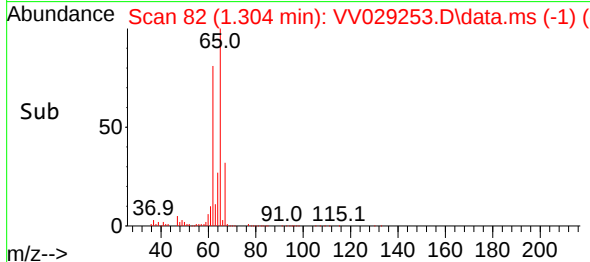
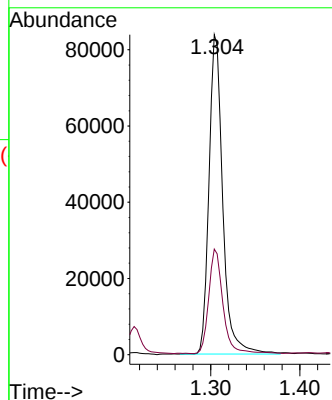


#5
 Vinyl chloride
 Concen: 2.413 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VV029253.D
 Acq: 21 Nov 2022 03:24

Instrument :
 MSVOA_V
 ClientSampleId :

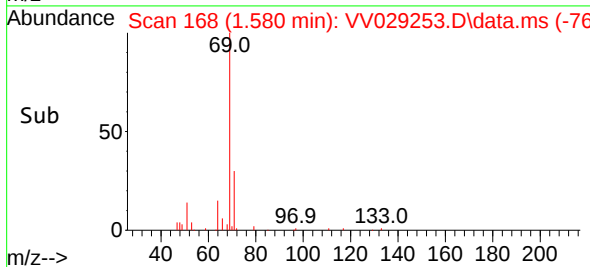
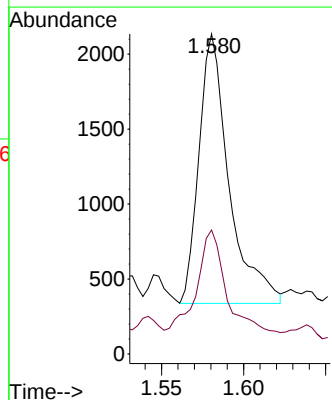
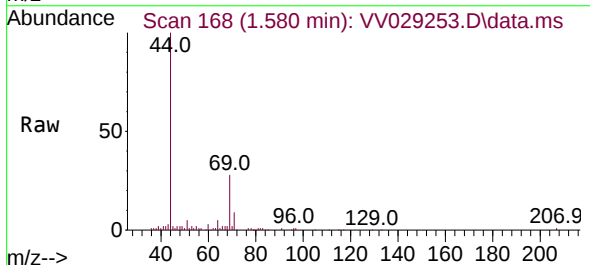


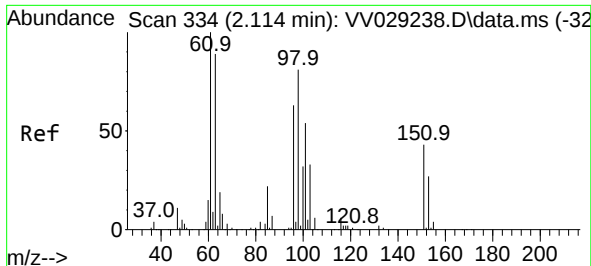
Tgt Ion: 62 Resp: 89519
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.8 42.4



#8
 Chloroethane
 Concen: 0.105 ug/L
 RT: 1.580 min Scan# 168
 Delta R.T. -0.003 min
 Lab File: VV029253.D
 Acq: 21 Nov 2022 03:24

Tgt Ion: 64 Resp: 2293
 Ion Ratio Lower Upper
 64 100
 66 38.7 22.0 40.8

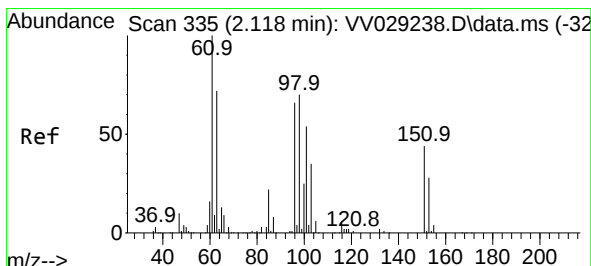
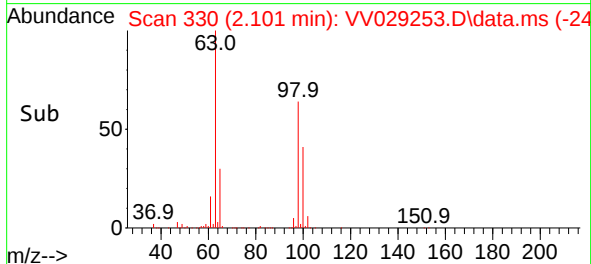
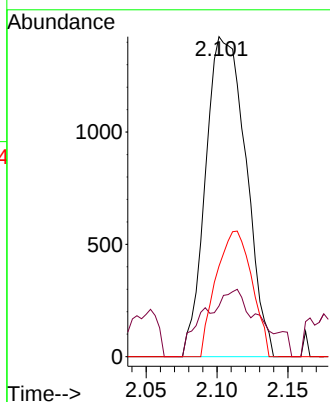
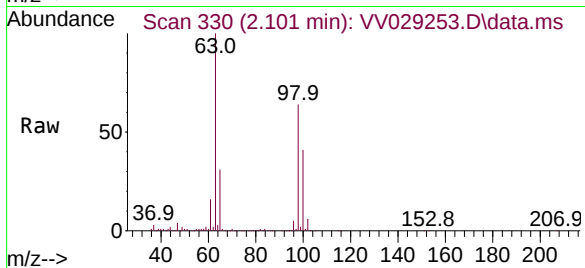




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.099 ug/L
 RT: 2.101 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VV029253.D
 Acq: 21 Nov 2022 03:24

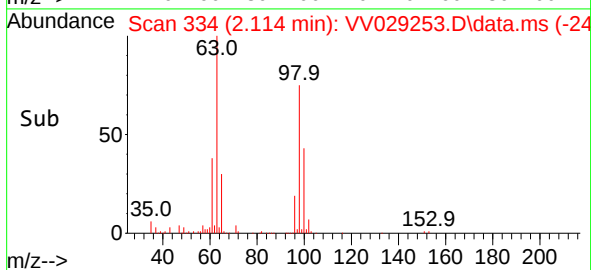
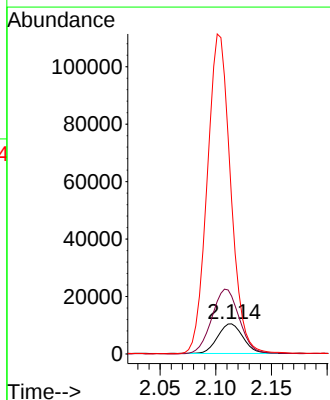
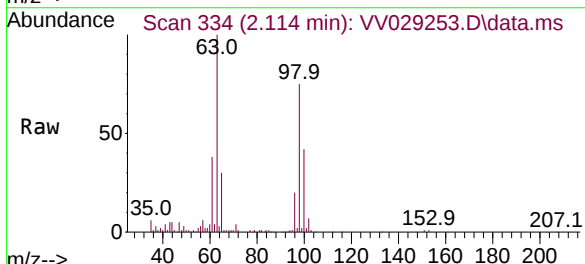
Instrument :
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 ClientSampleId :

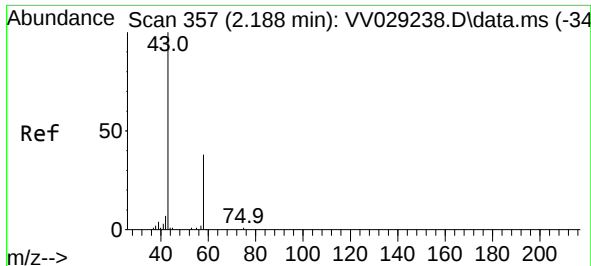
Tgt Ion:101 Resp: 2817
 Ion Ratio Lower Upper
 101 100
 85 6.6 32.9 49.3#
 151 0.0 62.5 93.7#



#12
 1,1-Dichloroethene
 Concen: 0.573 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV029253.D
 Acq: 21 Nov 2022 03:24

Tgt Ion: 96 Resp: 16316
 Ion Ratio Lower Upper
 96 100
 61 192.0 104.2 193.4
 63 509.6 75.9 140.9#

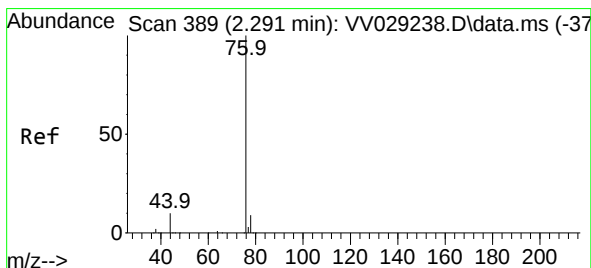
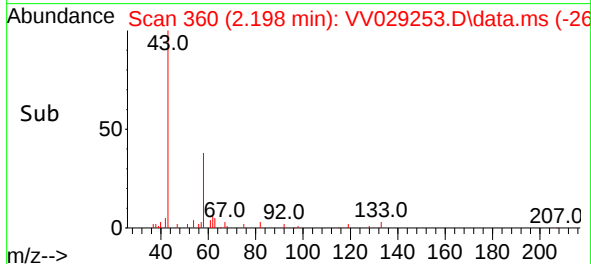
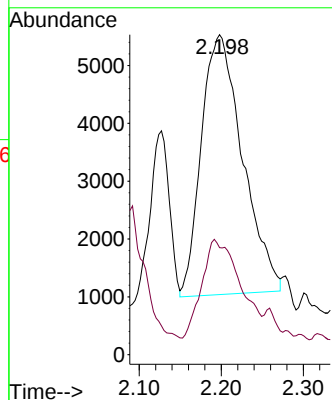
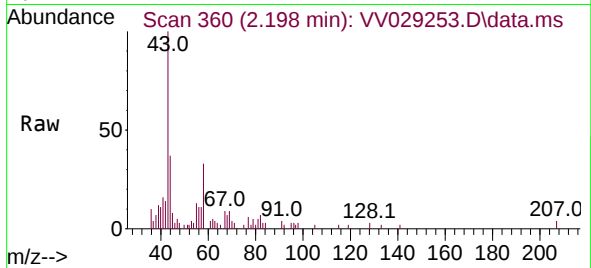




#13
Acetone
Concen: 5.091 ug/L
RT: 2.198 min Scan# 30
Delta R.T. 0.009 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

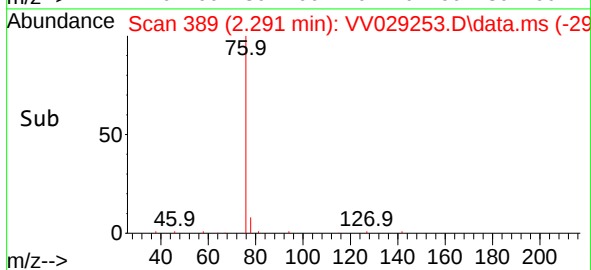
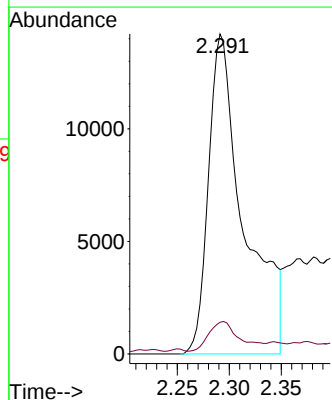
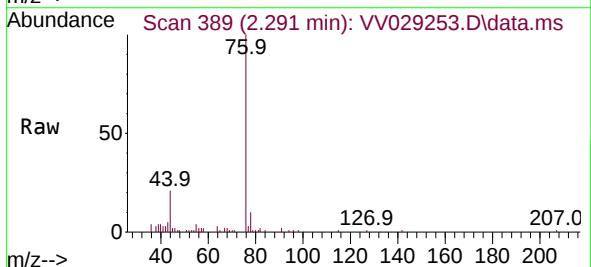
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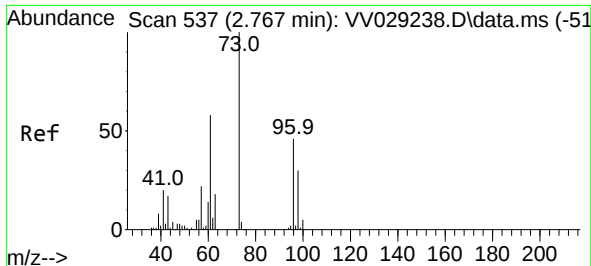
Tgt Ion: 43 Resp: 15715
Ion Ratio Lower Upper
43 100
58 37.0 0.0 56.6



#14
Carbon disulfide
Concen: 0.332 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Tgt Ion: 76 Resp: 33584
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.2

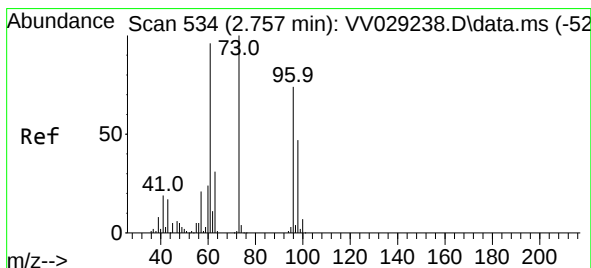
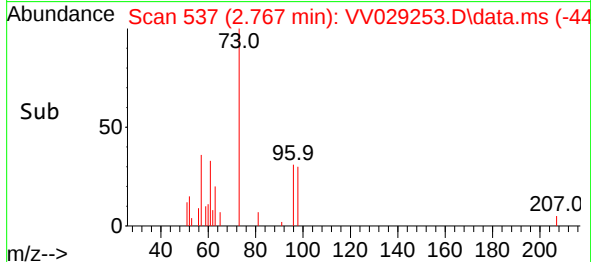
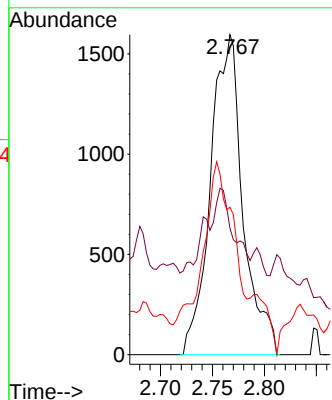
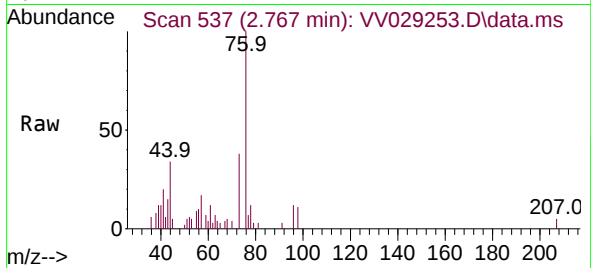




#17
Methyl tert-butyl Ether
Concen: 0.057 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

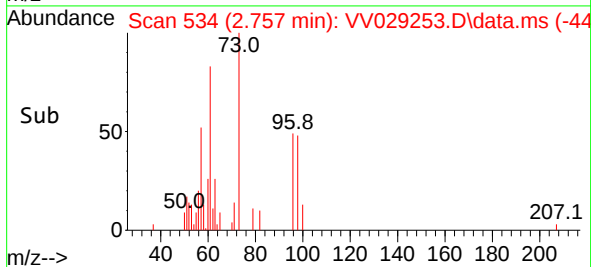
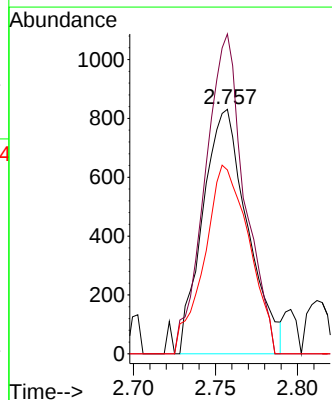
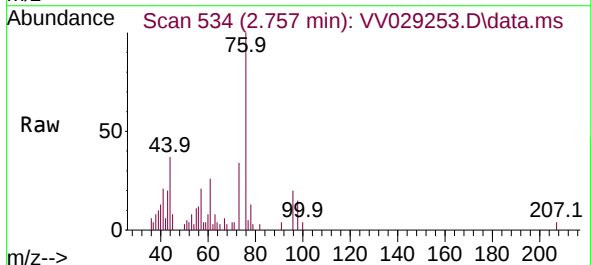
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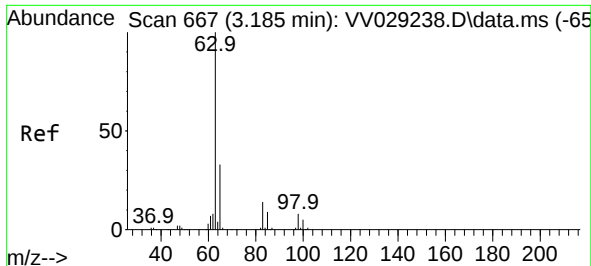
Tgt Ion: 73 Resp: 3456
Ion Ratio Lower Upper
73 100
43 11.3 13.0 19.4#
57 43.9 16.6 24.8#



#18
trans-1,2-Dichloroethene
Concen: 0.048 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Tgt Ion: 96 Resp: 1574
Ion Ratio Lower Upper
96 100
61 130.8 91.8 170.6
98 75.2 46.4 86.2





#19

1,1-Dichloroethane

Concen: 4.441 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

Instrument :

MSVOA_V

ClientSampleId :

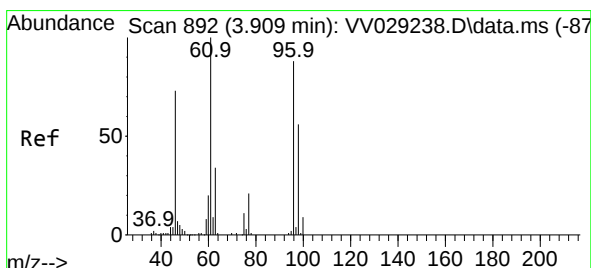
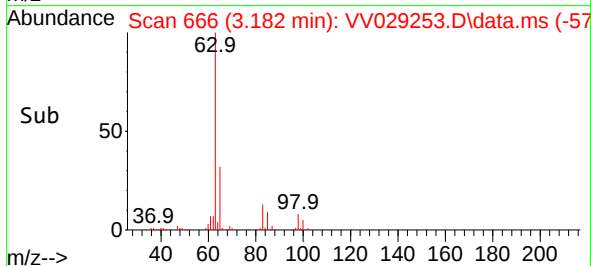
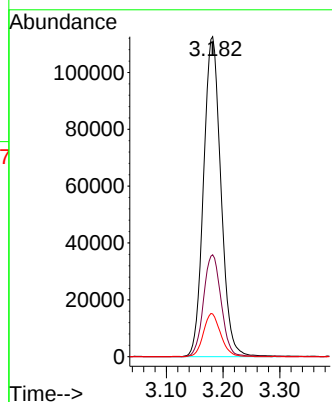
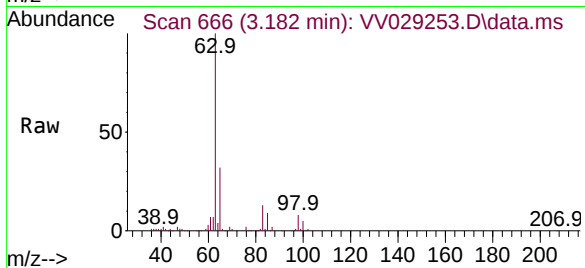
Tgt Ion: 63 Resp: 239657

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.6

83 13.4 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 6.450 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.010 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

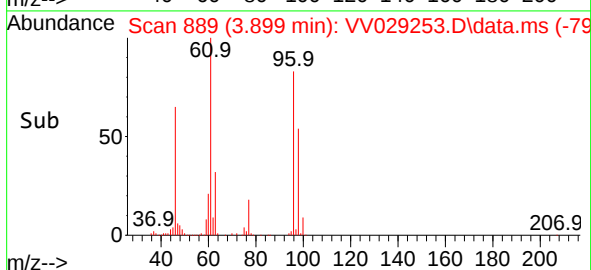
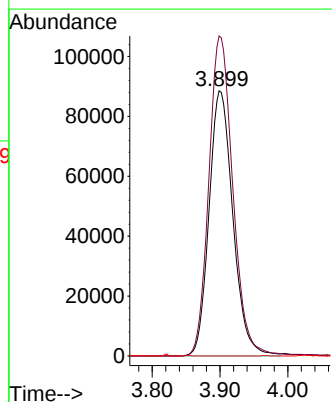
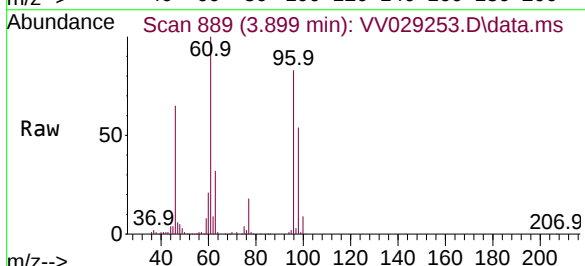
Tgt Ion: 96 Resp: 216461

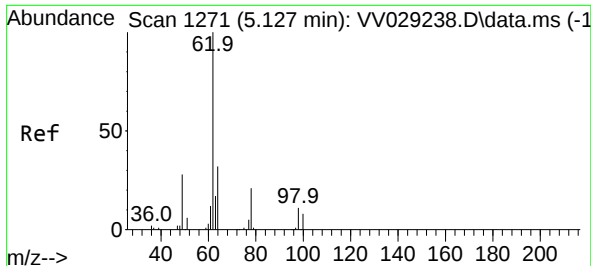
Ion Ratio Lower Upper

96 100

61 120.7 82.3 152.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.201 ug/L

RT: 5.127 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

Instrument :

MSVOA_V

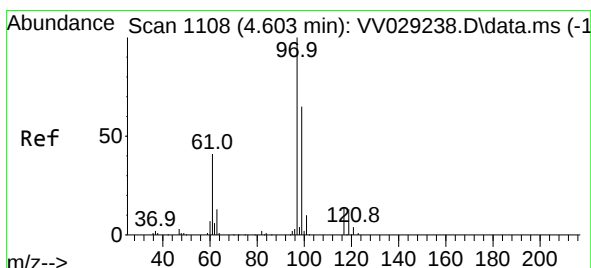
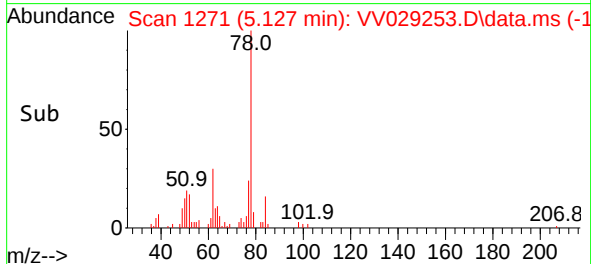
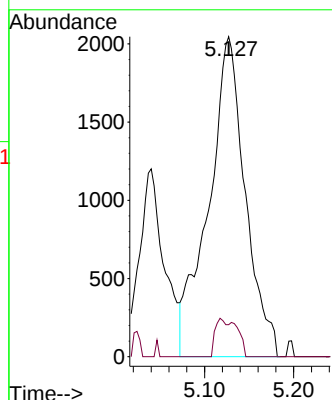
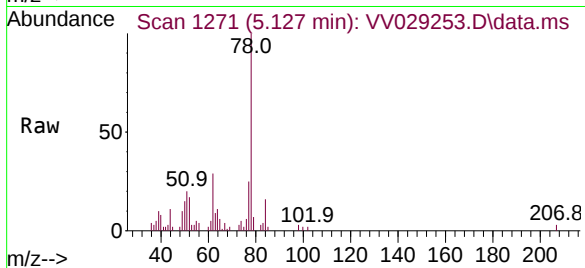
ClientSampleId :

Tgt Ion: 62 Resp: 5852

Ion Ratio Lower Upper

62 100

98 10.0 9.0 13.6



#29

1,1,1-Trichloroethane

Concen: 0.171 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

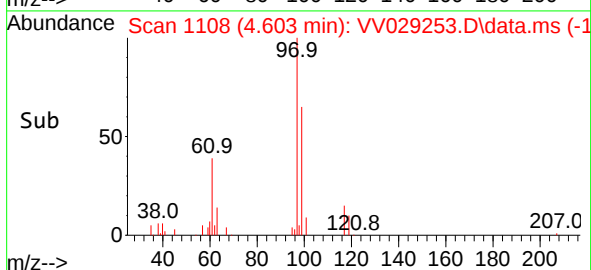
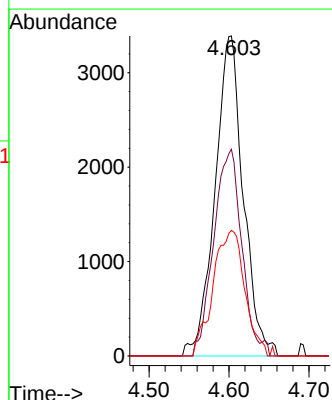
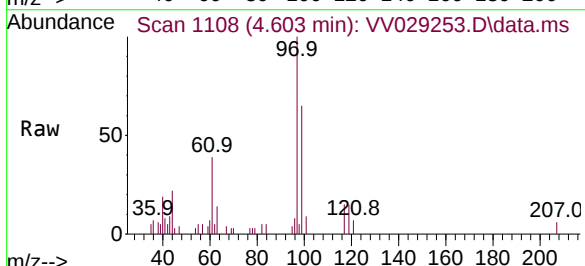
Tgt Ion: 97 Resp: 8328

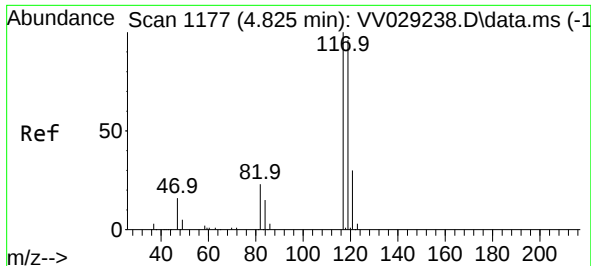
Ion Ratio Lower Upper

97 100

99 63.2 52.7 79.1

61 43.9 33.8 50.6

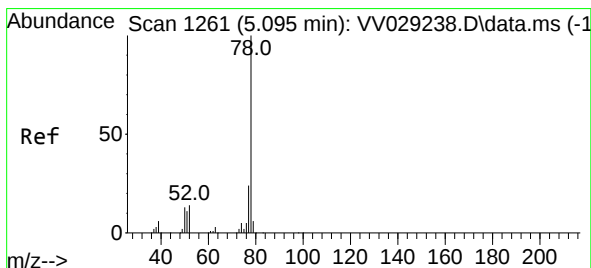
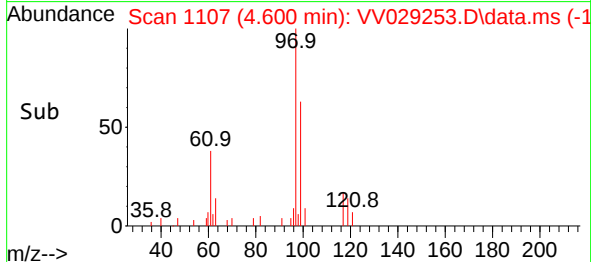
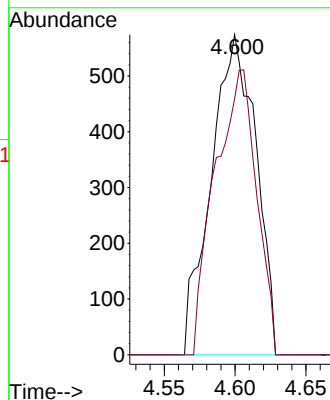
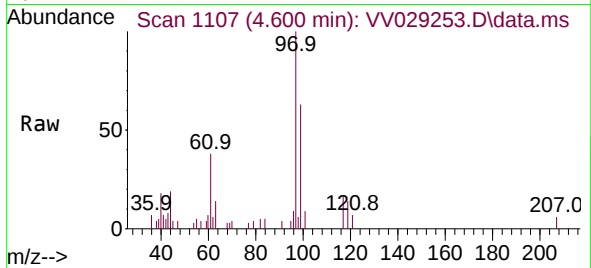




#31
Carbon tetrachloride
Concen: 0.030 ug/L
RT: 4.600 min Scan# 1177
Delta R.T. -0.225 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

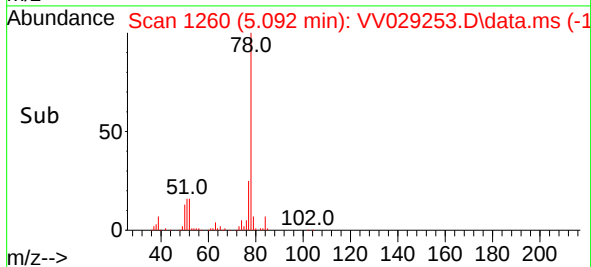
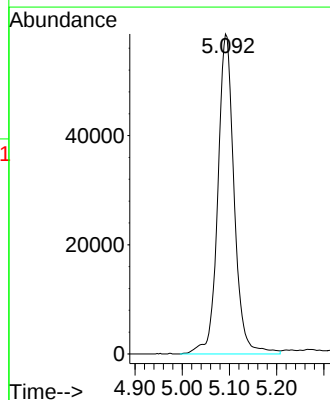
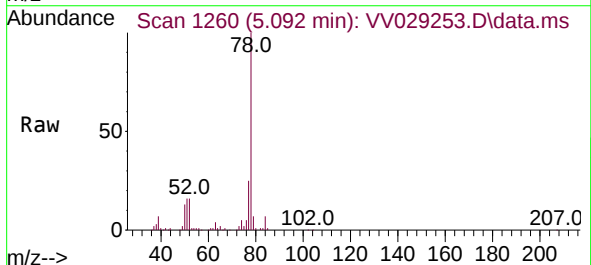
Instrument :
MSVOA_V
ClientSampleId :

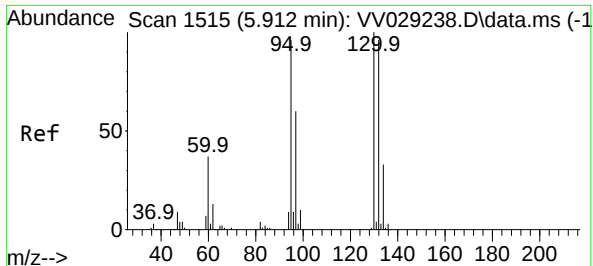
Tgt Ion:117 Resp: 1264
Ion Ratio Lower Upper
117 100
119 82.6 77.0 115.6



#33
Benzene
Concen: 1.112 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

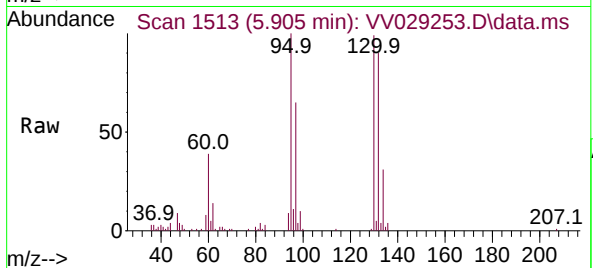
Tgt Ion: 78 Resp: 140881



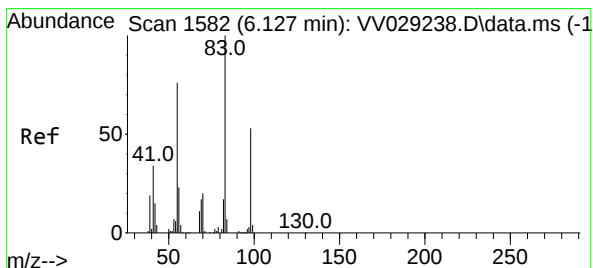
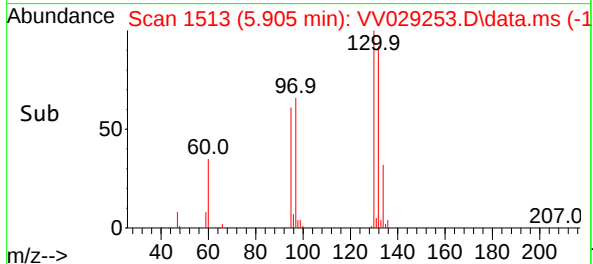
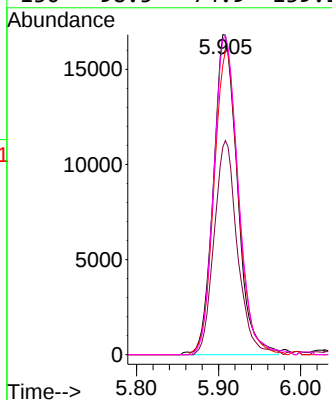


#34
Trichloroethene
Concen: 1.056 ug/L
RT: 5.905 min Scan# 1515
Delta R.T. -0.007 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Instrument :
MSVOA_V
ClientSampleId :

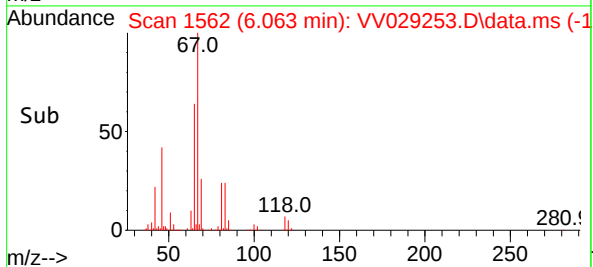
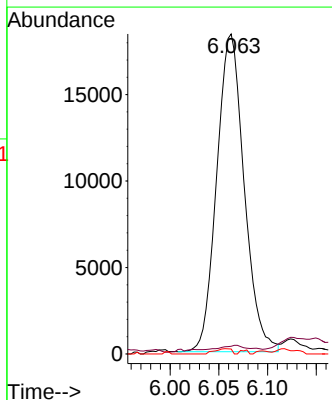
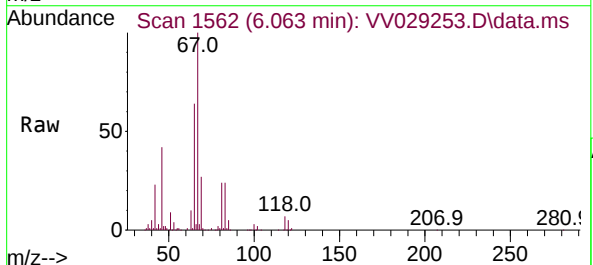


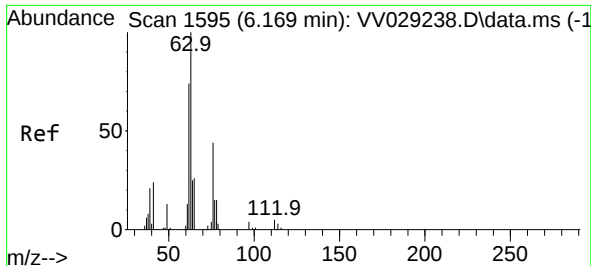
Tgt Ion: 95 Resp: 34270
Ion Ratio Lower Upper
95 100
97 64.9 45.6 84.8
132 90.5 69.1 128.3
130 98.5 74.9 139.1



#35
Methylcyclohexane
Concen: 0.631 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.064 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Tgt Ion: 83 Resp: 35963
Ion Ratio Lower Upper
83 100
55 1.0 55.8 83.6#
98 1.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.536 ug/L

RT: 6.059 min Scan# 1

Delta R.T. -0.109 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

Instrument :

MSVOA_V

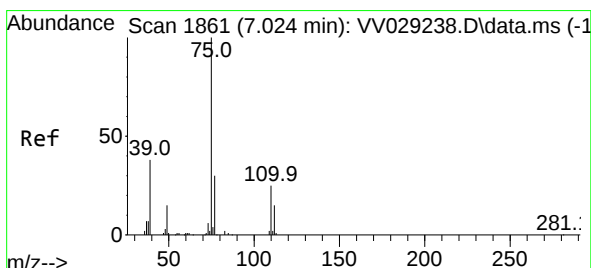
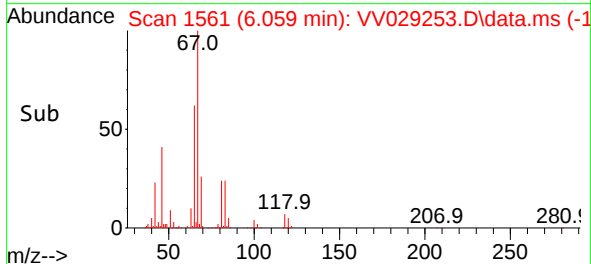
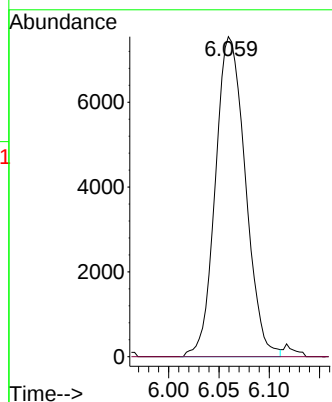
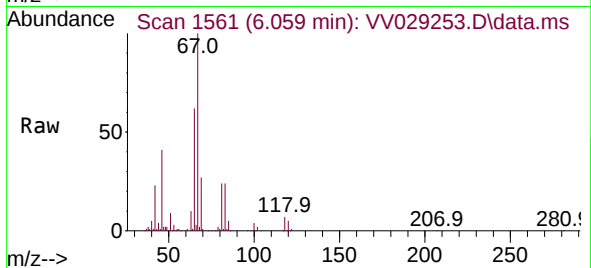
ClientSampleId :

Tgt Ion: 63 Resp: 15655

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.979 min Scan# 1847

Delta R.T. -0.045 min

Lab File: VV029253.D

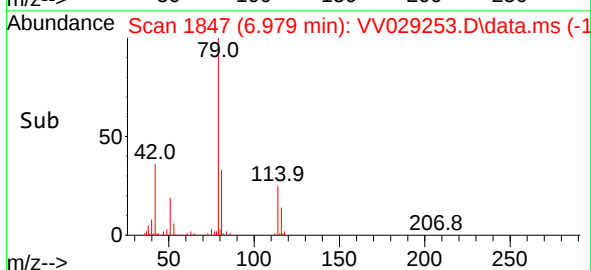
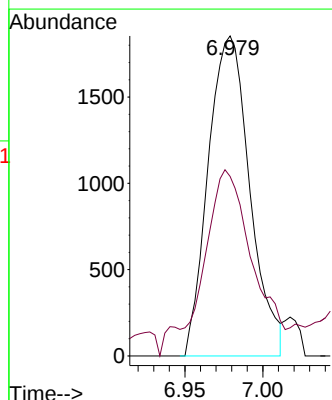
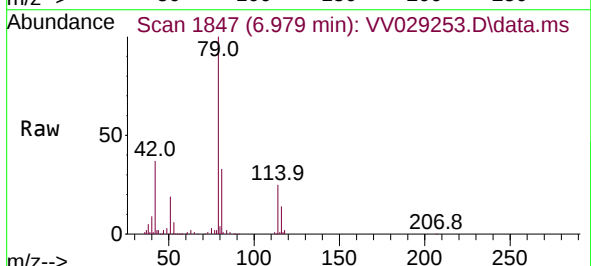
Acq: 21 Nov 2022 03:24

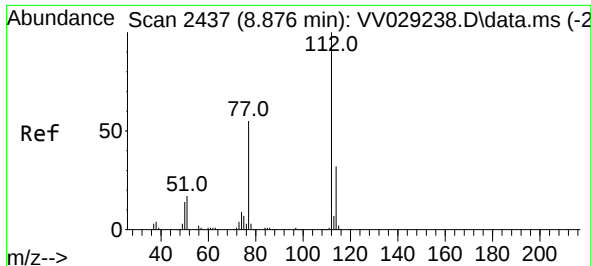
Tgt Ion: 75 Resp: 3440

Ion Ratio Lower Upper

75 100

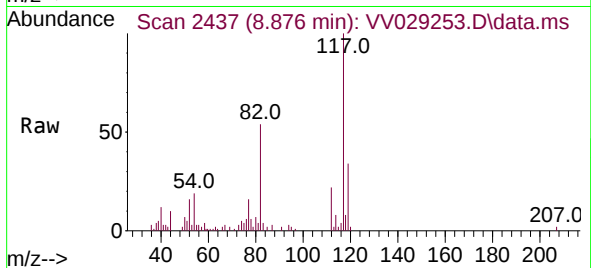
77 56.1 21.8 40.6#



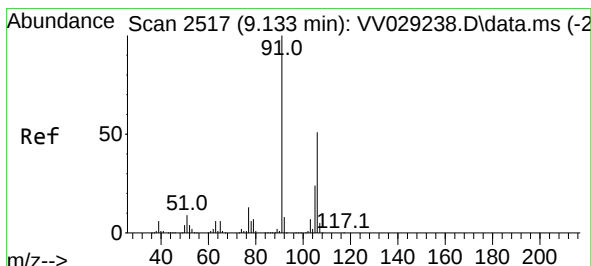
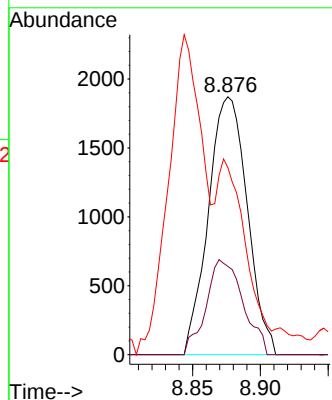
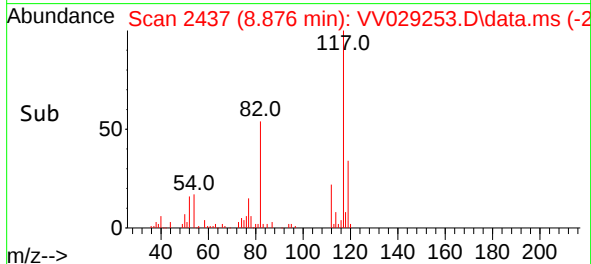


#51
Chlorobenzene
Concen: 0.044 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Instrument :
MSVOA_V
ClientSampleId :

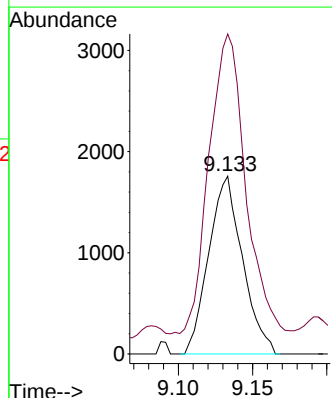
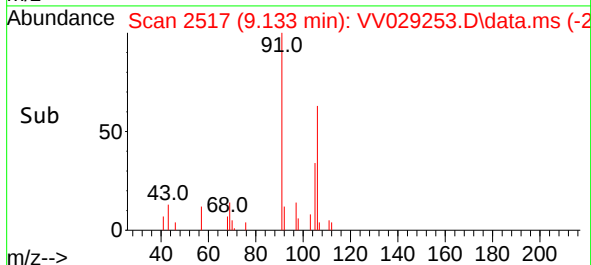
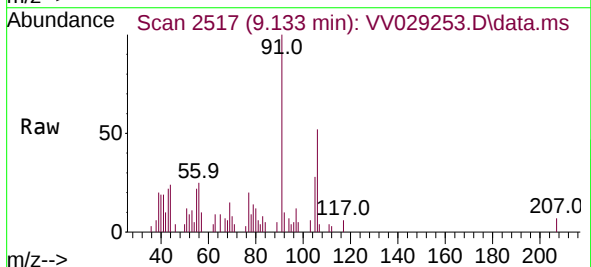


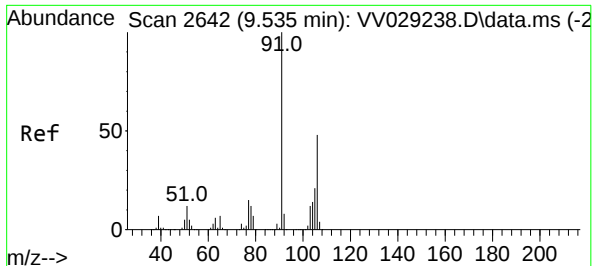
Tgt Ion:112 Resp: 3734
Ion Ratio Lower Upper
112 100
114 34.2 22.4 41.6
77 72.5 44.4 66.6#



#53
m,p-Xylene
Concen: 0.049 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Tgt Ion:106 Resp: 2782
Ion Ratio Lower Upper
106 100
91 180.0 139.1 258.3





#54

o-Xylene

Concen: 0.060 ug/L

RT: 9.535 min Scan# 2642

Delta R.T. -0.000 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

Instrument :

MSVOA_V

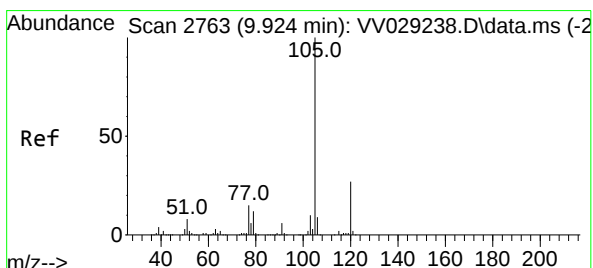
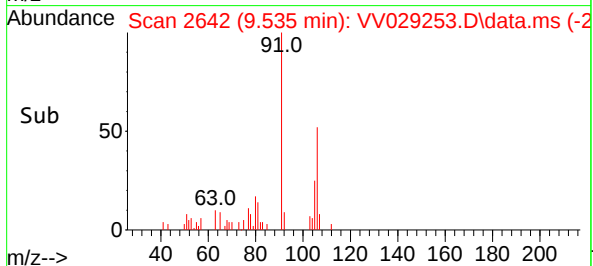
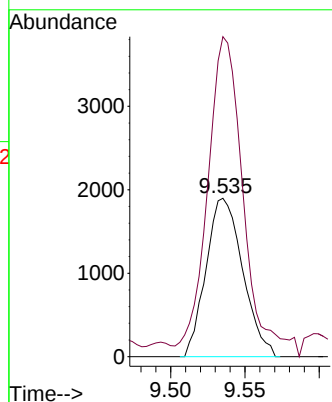
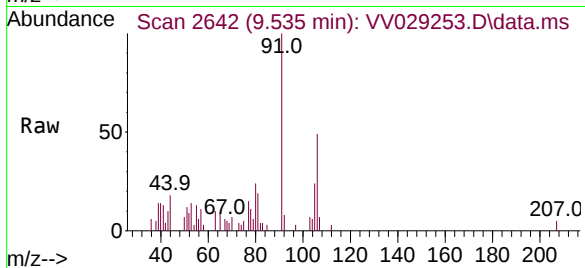
ClientSampleId :

Tgt Ion:106 Resp: 3260

Ion Ratio Lower Upper

106 100

91 202.1 145.7 270.7



#60

Isopropylbenzene

Concen: 0.556 ug/L

RT: 9.924 min Scan# 2763

Delta R.T. -0.000 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

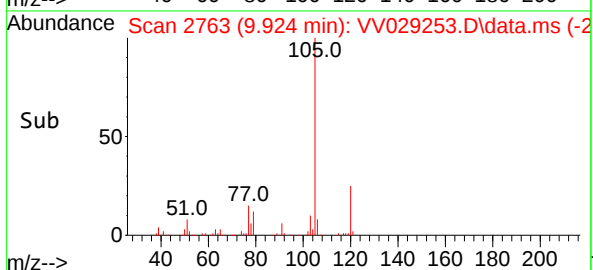
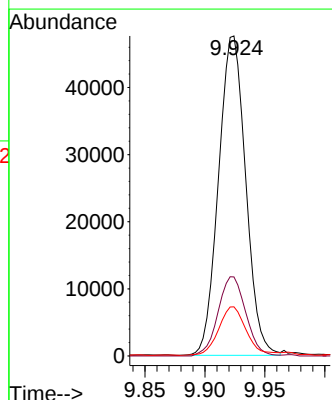
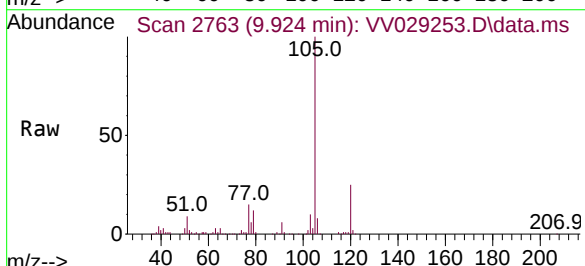
Tgt Ion:105 Resp: 74861

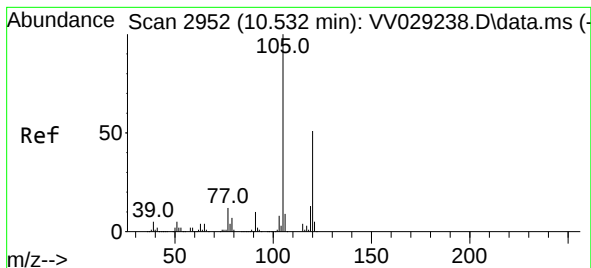
Ion Ratio Lower Upper

105 100

120 25.3 21.3 31.9

77 15.6 11.8 17.8





#62

1,3,5-Trimethylbenzene

Concen: 0.054 ug/L

RT: 11.326 min Scan# 3119

Delta R.T. 0.794 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

Instrument :

MSVOA_V

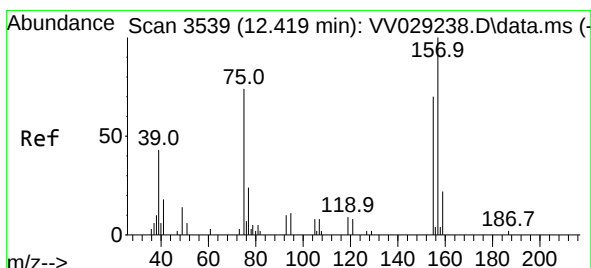
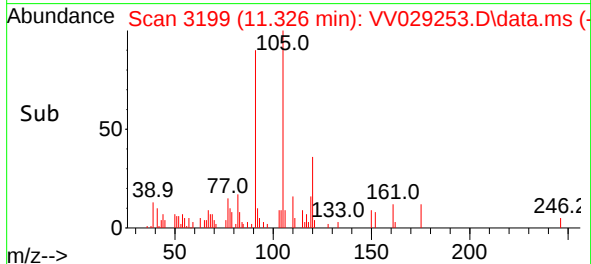
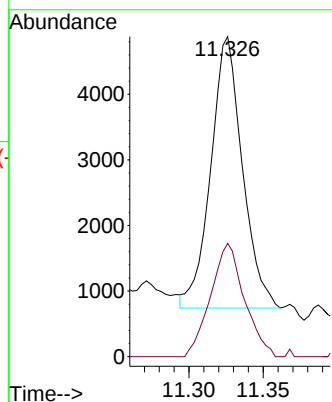
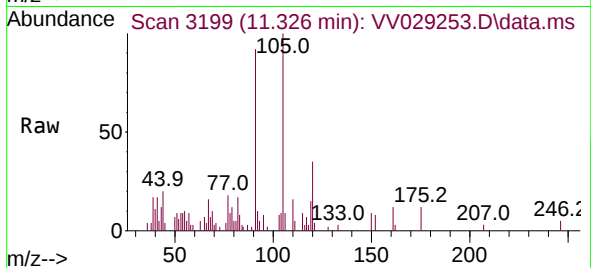
ClientSampleId :

Tgt Ion:105 Resp: 6124

Ion Ratio Lower Upper

105 100

120 44.4 39.9 59.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.839 ug/L

RT: 12.445 min Scan# 3547

Delta R.T. 0.026 min

Lab File: VV029253.D

Acq: 21 Nov 2022 03:24

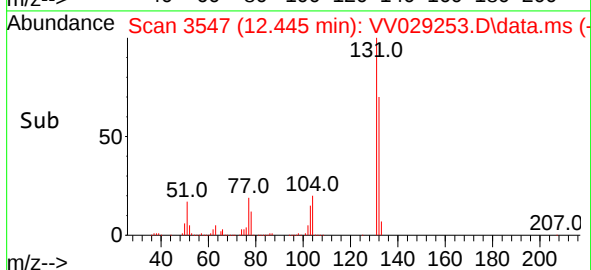
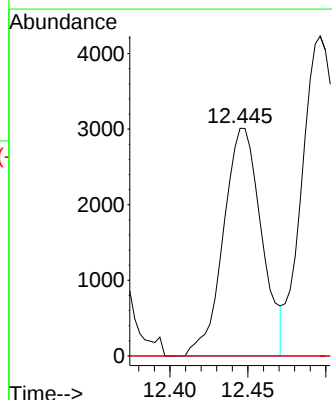
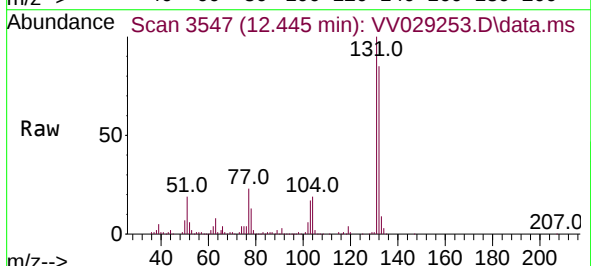
Tgt Ion: 75 Resp: 5124

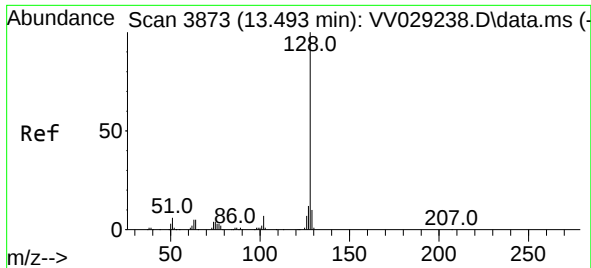
Ion Ratio Lower Upper

75 100

155 0.0 64.8 97.2#

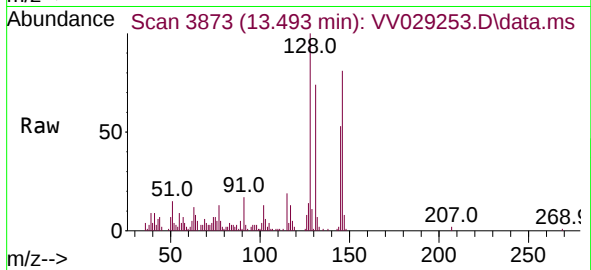
157 0.0 86.3 129.5#





#71
Naphthalene
Concen: 0.542 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029253.D
Acq: 21 Nov 2022 03:24

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 25775
Ion Ratio Lower Upper
128 100
129 14.3 8.8 13.2#
127 16.7 9.8 14.8#

