

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111522\
 Data File : VW028991.D
 Acq On : 15 Nov 2022 16:08
 Operator : SY/MD
 Sample : N5628-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COL11

Quant Time: Nov 16 03:19:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 16 03:16:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	283888	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	261027	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	123183	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	48902	2.826	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.600%
7) Chloroethane-d5	1.568	69	54180	3.561	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.105	63	76970	2.440	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.800%#
20) 2-Butanone-d5	3.889	46	179814	62.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.140%
24) Chloroform-d	4.342	84	149587	4.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.031	65	72735	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.047	84	299927	3.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.066	67	92432	4.249	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.310	98	251349	3.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	7.622	79	25957	3.658	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.088	63	146935	48.512	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.020%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	72156	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	11.615	152	102254	4.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	856	0.044	ug/L	90
5) Vinyl chloride	1.310	62	41819	1.867	ug/L	85
6) Bromomethane	1.523	94	848	0.063	ug/L	82
8) Chloroethane	1.413	64	234020	17.776	ug/L #	53
12) 1,1-Dichloroethene	2.114	96	5577	0.325	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	4402	0.221	ug/L	97
19) 1,1-Dichloroethane	3.185	63	2252	0.069	ug/L	93
22) cis-1,2-Dichloroethene	3.902	96	846733	41.786	ug/L	97
25) Chloroform	4.368	83	2916	0.085	ug/L #	70
34) Trichloroethene	5.908	95	1917215	93.886	ug/L	98
35) Methylcyclohexane	6.124	83	2796	0.078	ug/L #	70
37) 1,2-Dichloropropane	6.069	63	9605	0.522	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	1693	0.066	ug/L #	49
42) Toluene	7.384	91	371349	4.309	ug/L	100
47) Tetrachloroethene	7.976	164	869	0.053	ug/L	90
49) Dibromochloromethane	7.979	129	839	0.058	ug/L #	10
52) Ethylbenzene	9.014	91	5360	0.060	ug/L	100
53) m,p-Xylene	9.140	106	7590	0.213	ug/L	90
54) o-Xylene	9.542	106	2874	0.085	ug/L	100

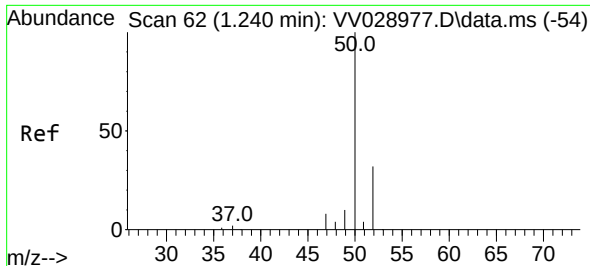
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111522\
 Data File : VV028991.D
 Acq On : 15 Nov 2022 16:08
 Operator : SY/MD
 Sample : N5628-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COL11

Quant Time: Nov 16 03:19:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 16 03:16:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.927	105	4595	0.057	ug/L	93
61) 1,2,3-Trichloropropane	11.239	75	12468	1.481	ug/L #	62
62) 1,3,5-Trimethylbenzene	10.915	105	2962	0.044	ug/L	89

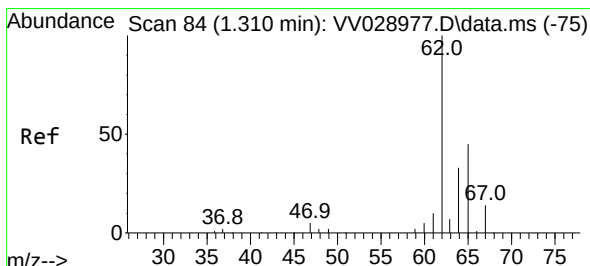
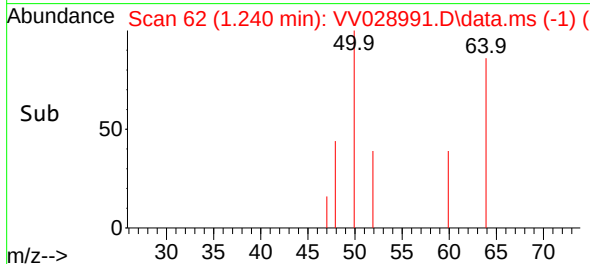
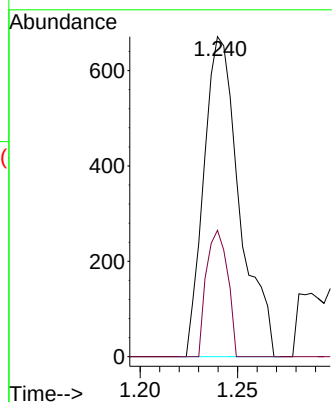
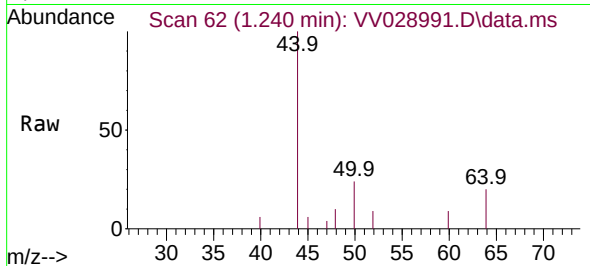
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.044 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

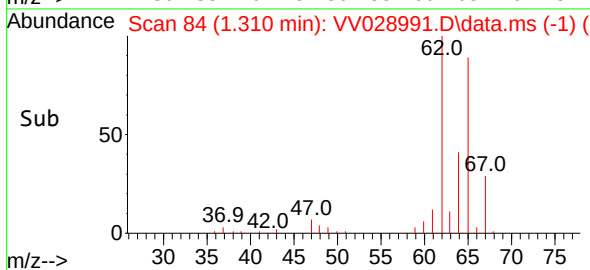
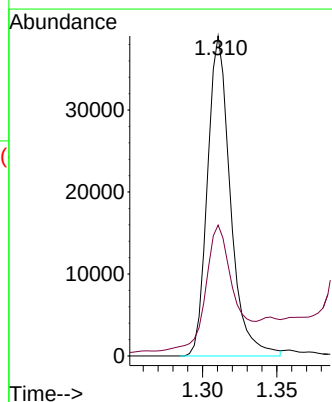
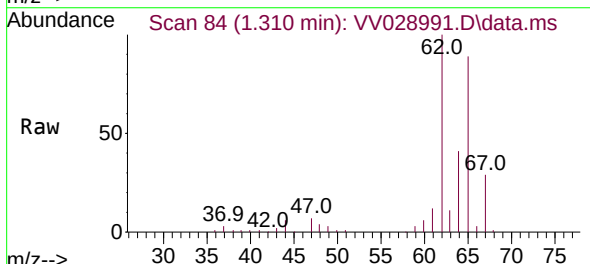
Instrument :
MSVOA_V
ClientSampleId :
COL11

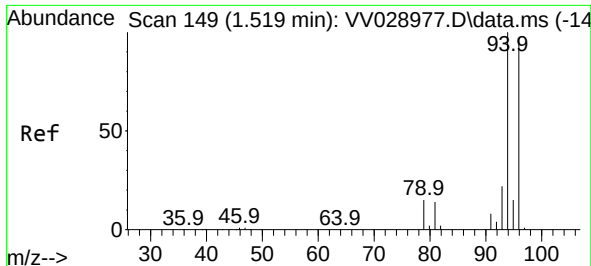
Tgt Ion: 50 Resp: 856
Ion Ratio Lower Upper
50 100
52 39.5 23.7 43.9



#5
Vinyl chloride
Concen: 1.867 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 62 Resp: 41819
Ion Ratio Lower Upper
62 100
64 40.9 22.8 42.4

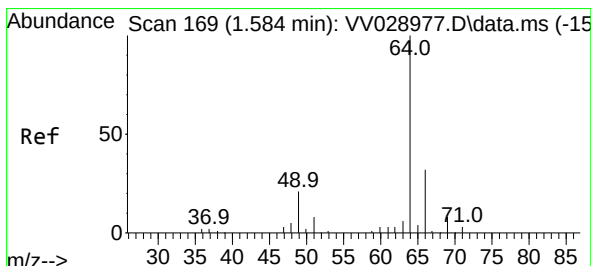
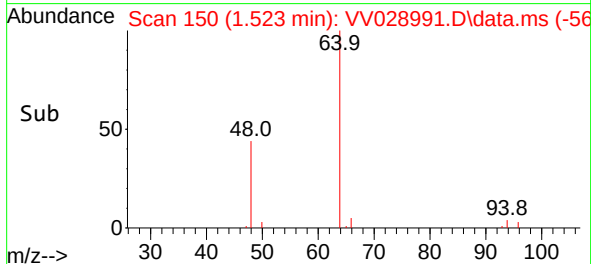
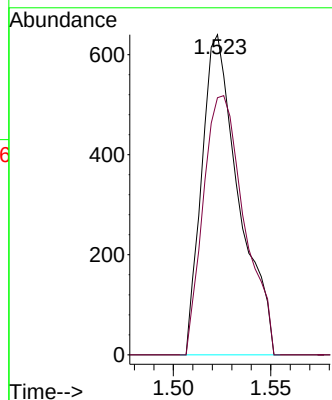
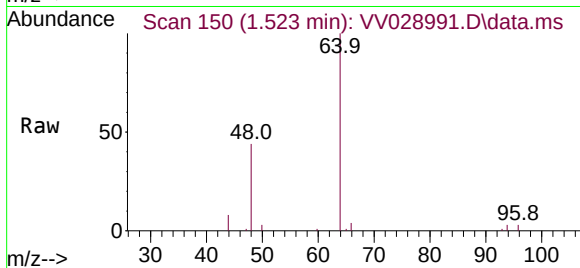




#6
Bromomethane
Concen: 0.063 ug/L
RT: 1.523 min Scan# 116
Delta R.T. 0.003 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

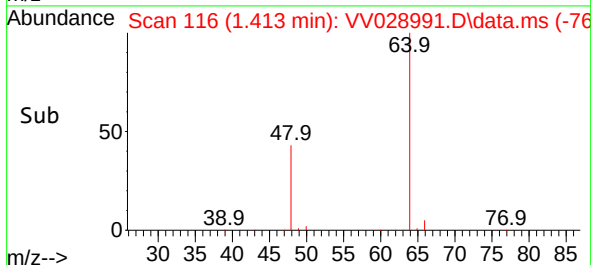
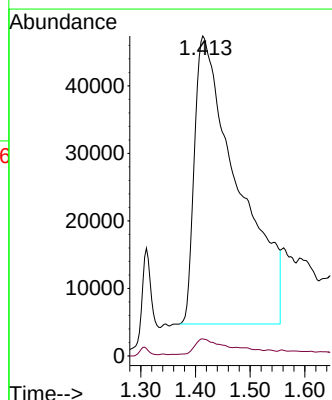
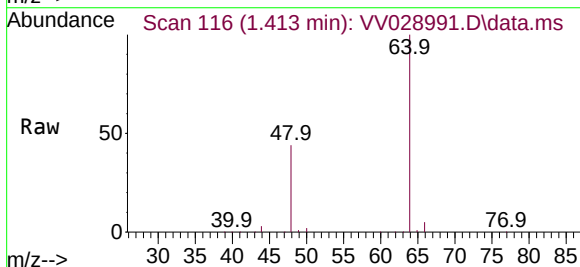
Instrument :
MSVOA_V
ClientSampleId :
COL11

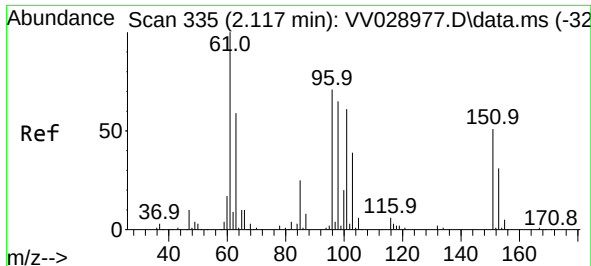
Tgt Ion: 94 Resp: 848
Ion Ratio Lower Upper
94 100
96 80.3 68.5 127.3



#8
Chloroethane
Concen: 17.776 ug/L
RT: 1.413 min Scan# 116
Delta R.T. -0.170 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 64 Resp: 234020
Ion Ratio Lower Upper
64 100
66 5.4 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 0.325 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028991.D

Acq: 15 Nov 2022 16:08

Instrument :

MSVOA_V

ClientSampleId :

COL11

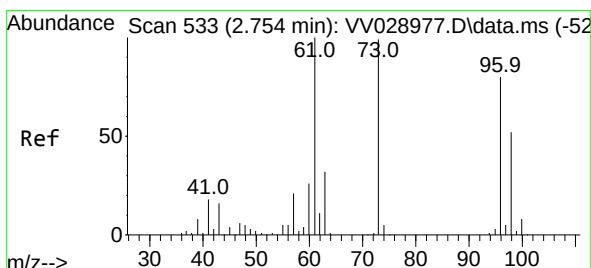
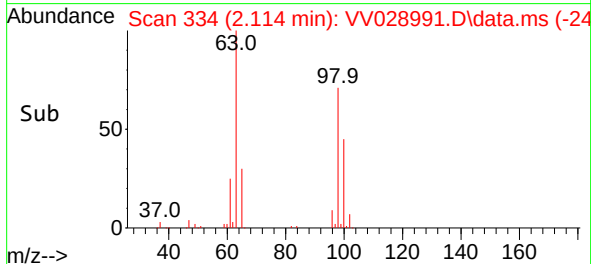
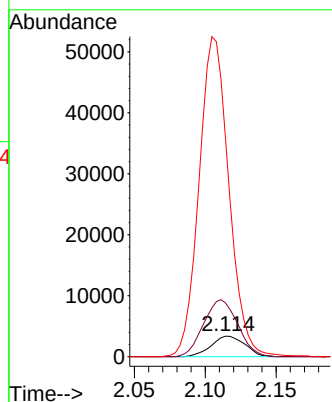
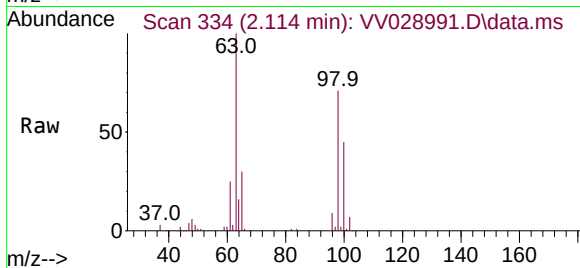
Tgt Ion: 96 Resp: 5577

Ion Ratio Lower Upper

96 100

61 262.7 104.2 193.4#

63 1067.1 75.9 140.9#



#18

trans-1,2-Dichloroethene

Concen: 0.221 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV028991.D

Acq: 15 Nov 2022 16:08

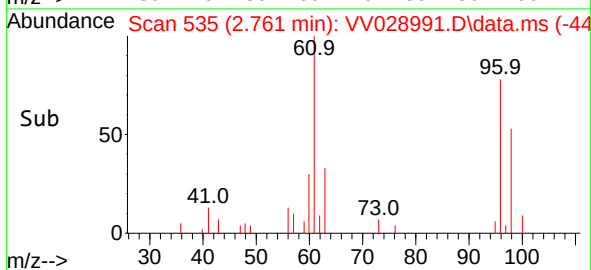
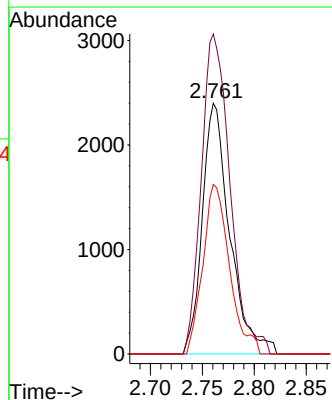
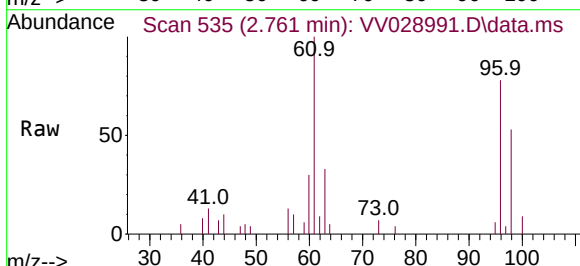
Tgt Ion: 96 Resp: 4402

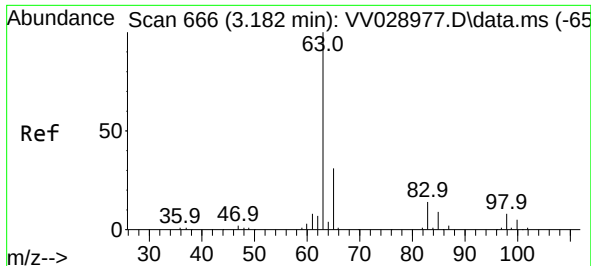
Ion Ratio Lower Upper

96 100

61 127.6 91.8 170.6

98 67.7 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.069 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028991.D

Acq: 15 Nov 2022 16:08

Instrument :

MSVOA_V

ClientSampleId :

COL11

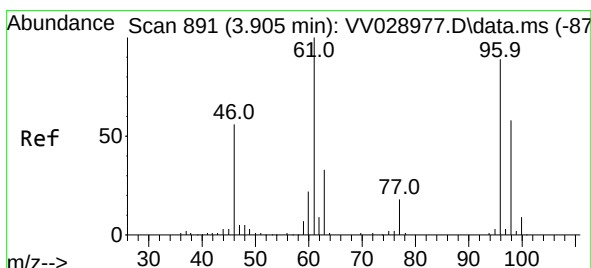
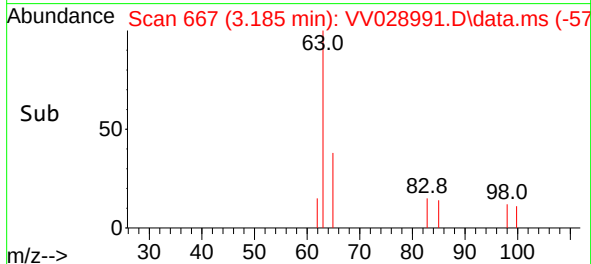
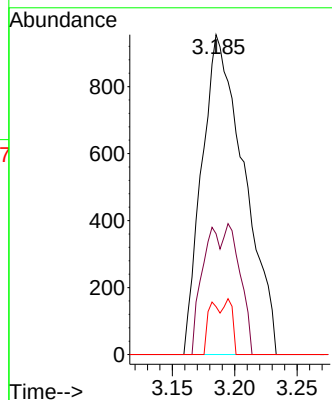
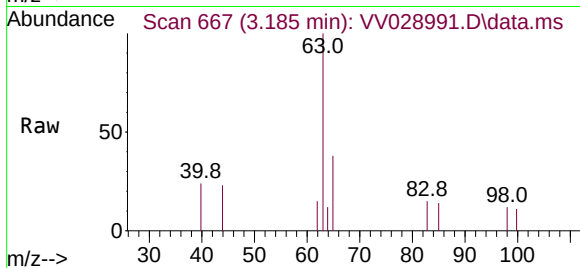
Tgt Ion: 63 Resp: 2252

Ion Ratio Lower Upper

63 100

65 37.8 23.0 42.6

83 15.0 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 41.786 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV028991.D

Acq: 15 Nov 2022 16:08

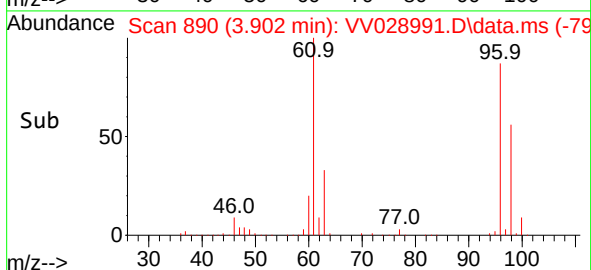
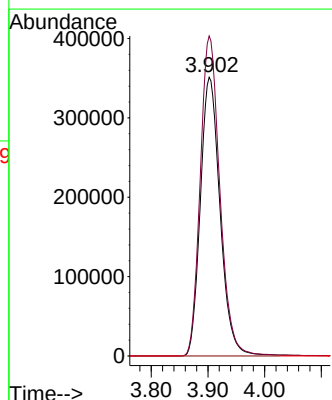
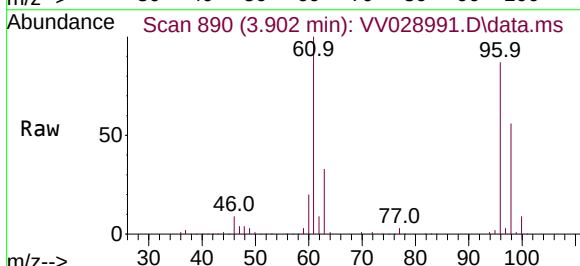
Tgt Ion: 96 Resp: 846733

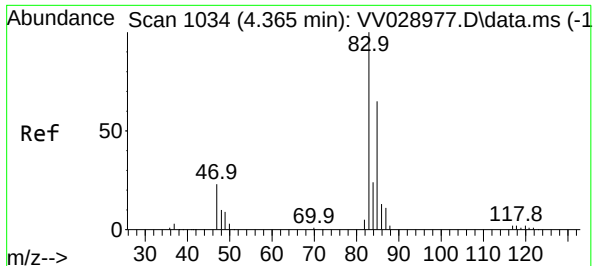
Ion Ratio Lower Upper

96 100

61 114.8 82.3 152.9

68 0.0 0.0 0.0

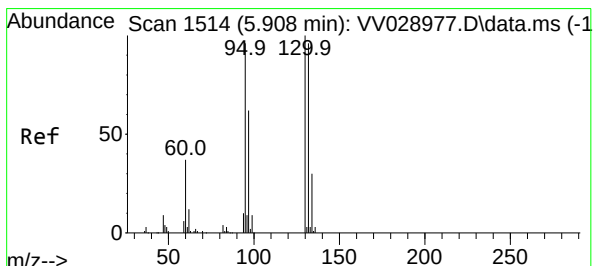
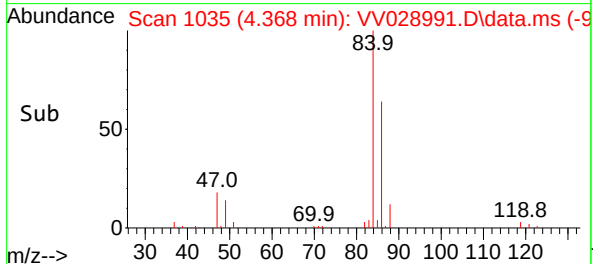
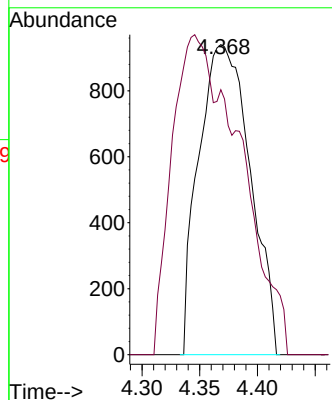
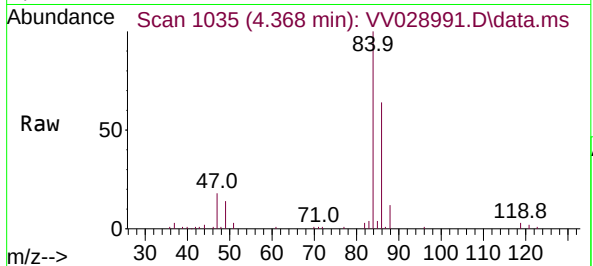




#25
Chloroform
Concen: 0.085 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

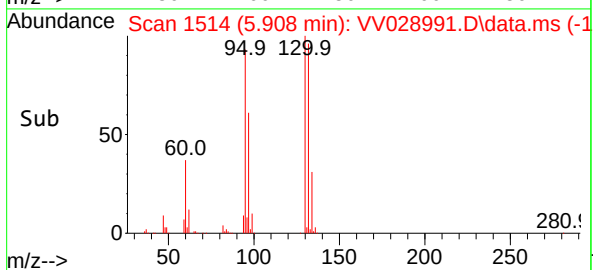
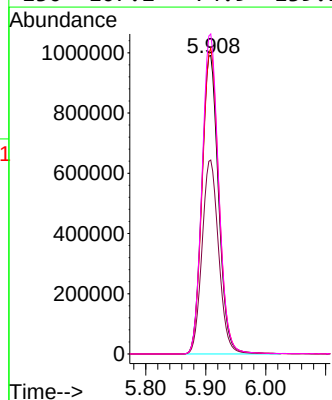
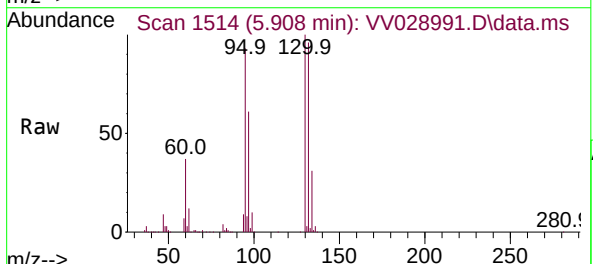
Instrument :
MSVOA_V
ClientSampleId :
COL11

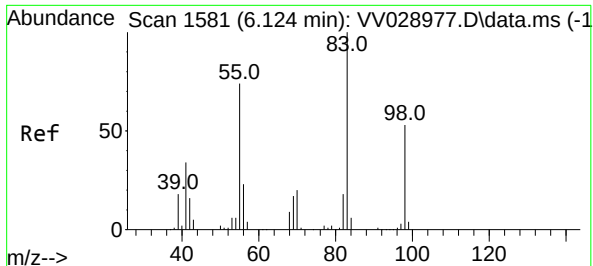
Tgt Ion: 83 Resp: 2916
Ion Ratio Lower Upper
83 100
85 85.4 43.7 81.1#



#34
Trichloroethene
Concen: 93.886 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 95 Resp: 1917215
Ion Ratio Lower Upper
95 100
97 65.0 45.6 84.8
132 102.5 69.1 128.3
130 107.2 74.9 139.1

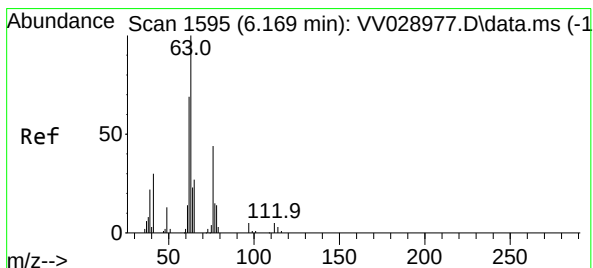
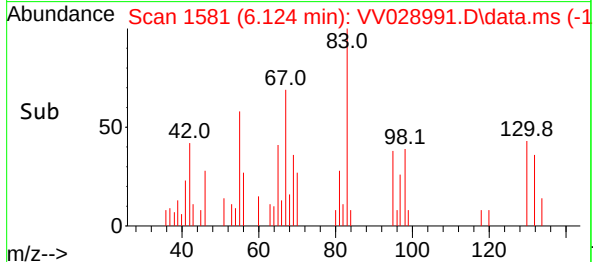
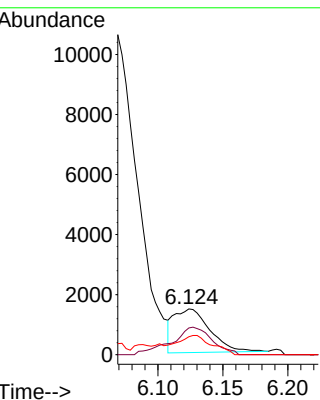
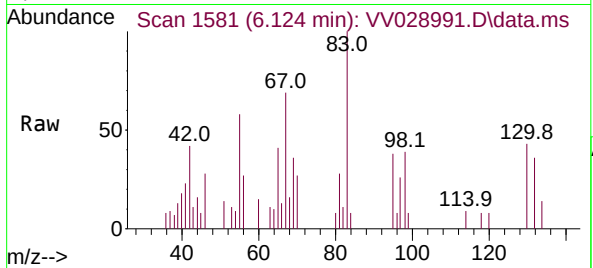




#35
Methylcyclohexane
Concen: 0.078 ug/L
RT: 6.124 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

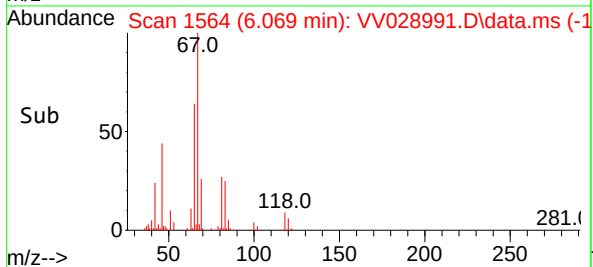
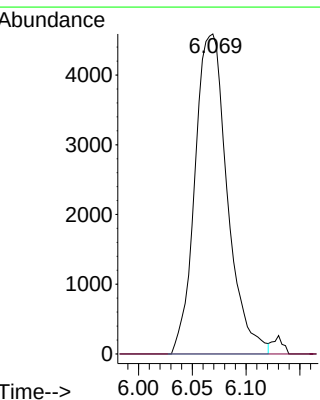
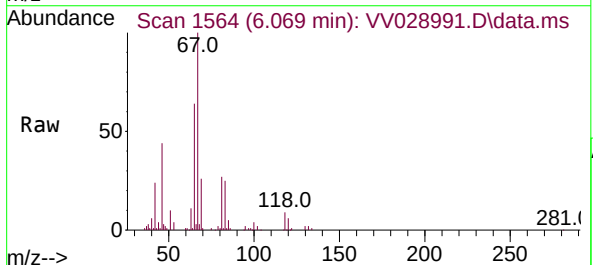
Instrument :
MSVOA_V
ClientSampleId :
COL11

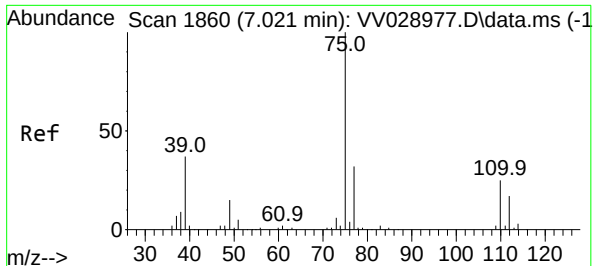
Tgt Ion: 83 Resp: 2796
Ion Ratio Lower Upper
83 100
55 70.9 55.8 83.6
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.522 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 63 Resp: 9605
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV028991.D

Acq: 15 Nov 2022 16:08

Instrument :

MSVOA_V

ClientSampleId :

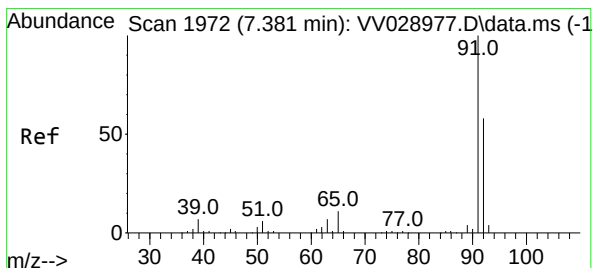
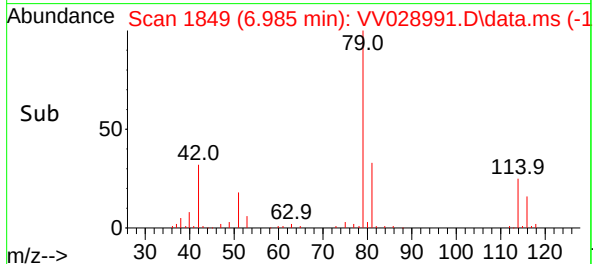
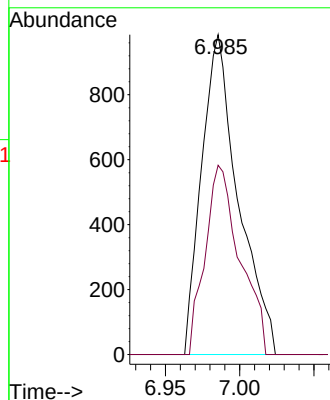
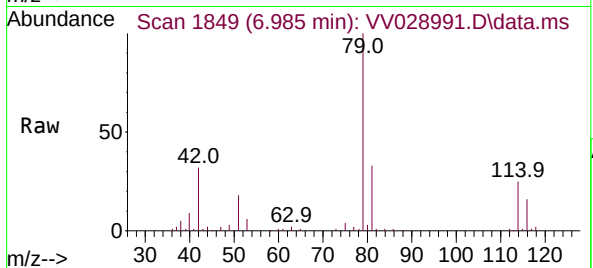
COL11

Tgt Ion: 75 Resp: 1693

Ion Ratio Lower Upper

75 100

77 59.2 21.8 40.6#



#42

Toluene

Concen: 4.309 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV028991.D

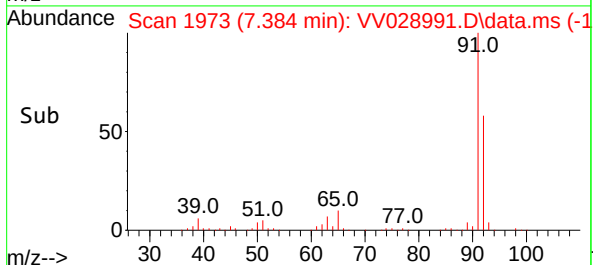
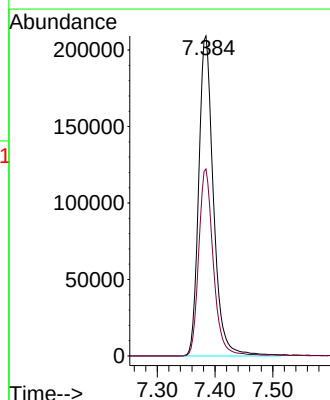
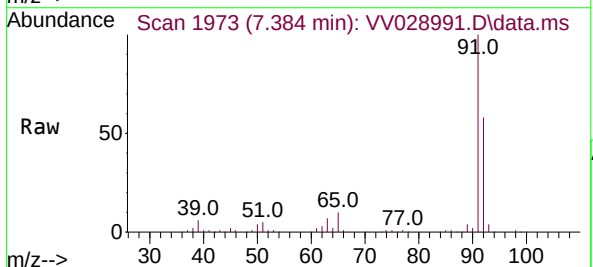
Acq: 15 Nov 2022 16:08

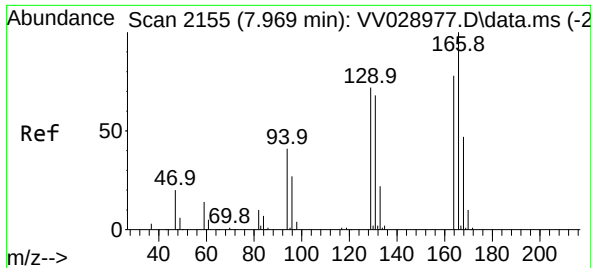
Tgt Ion: 91 Resp: 371349

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.5



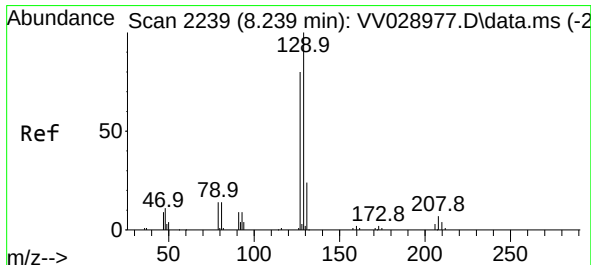
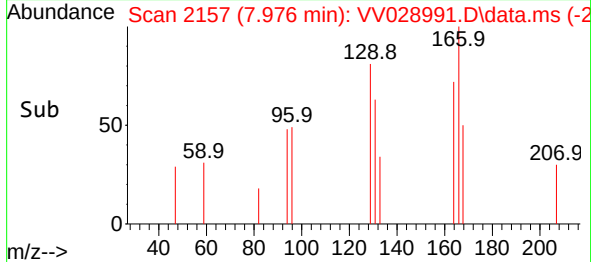
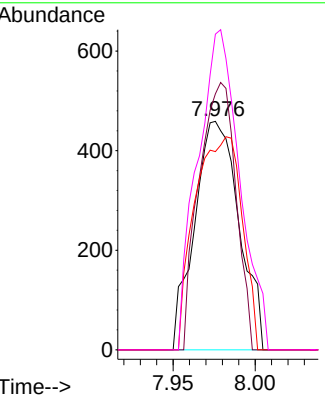
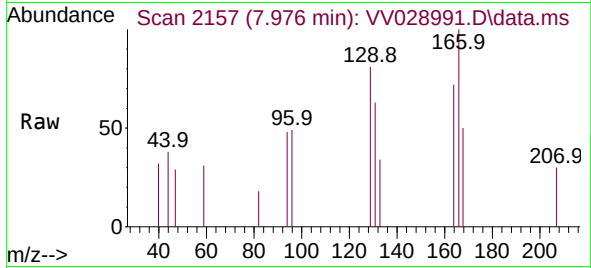


#47
Tetrachloroethene
Concen: 0.053 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Instrument :
MSVOA_V
ClientSampleId :
COL11

Tgt Ion:164 Resp: 869

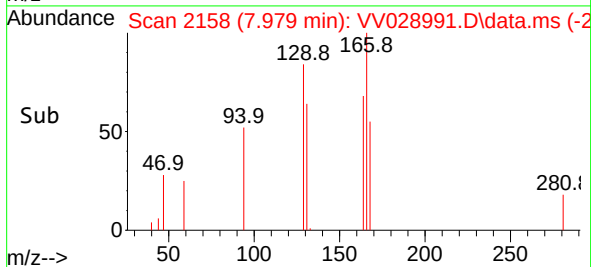
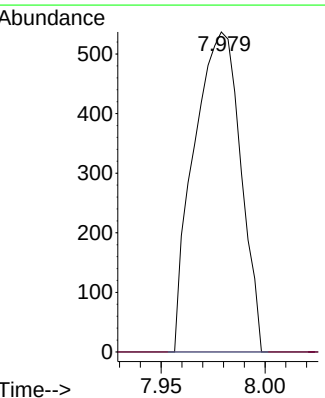
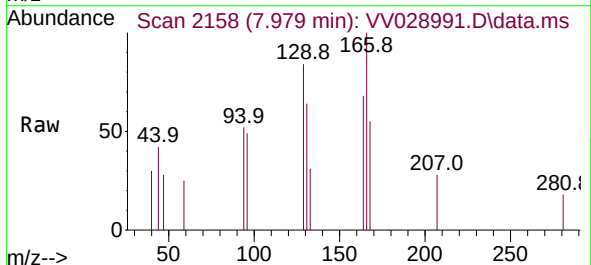
Ion	Ratio	Lower	Upper
164	100		
129	112.0	63.9	118.7
131	86.7	61.8	114.8
166	138.1	90.2	167.4

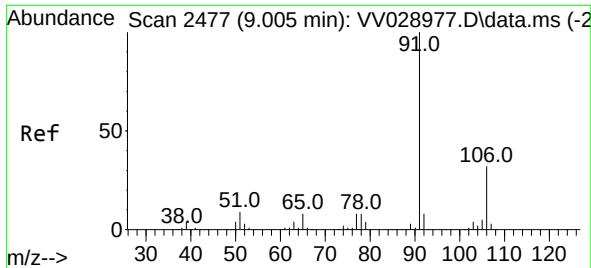


#49
Dibromochloromethane
Concen: 0.058 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.260 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion:129 Resp: 839

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.1#

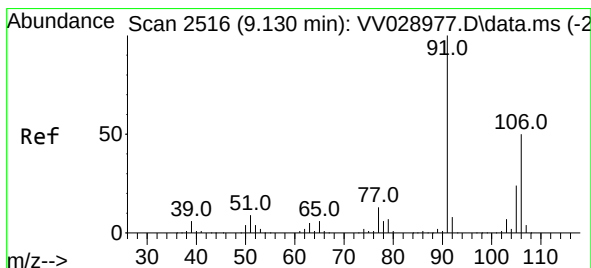
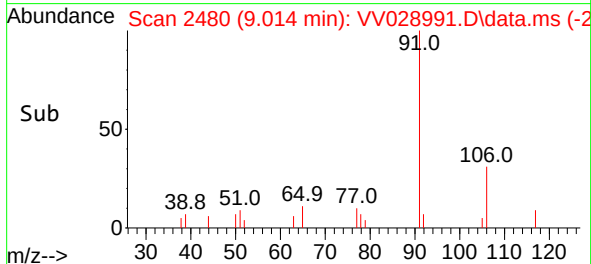
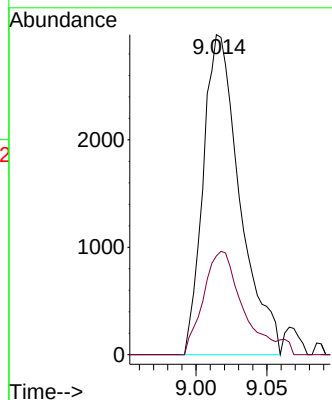
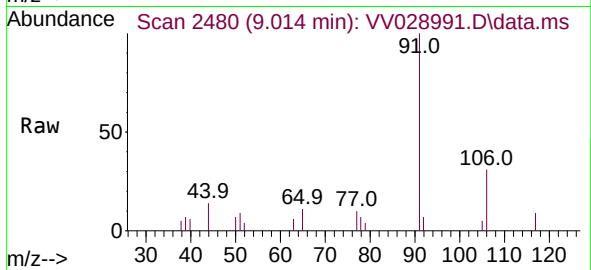




#52
Ethylbenzene
Concen: 0.060 ug/L
RT: 9.014 min Scan# 2477
Delta R.T. 0.010 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

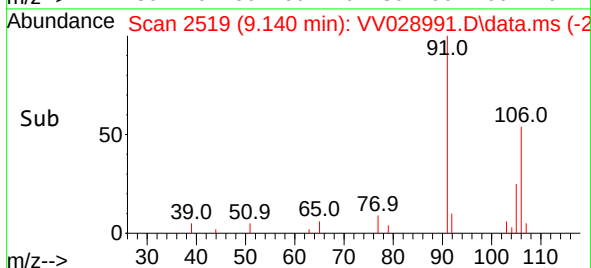
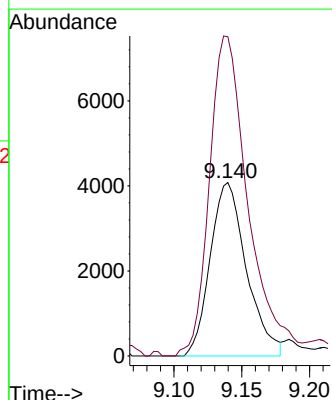
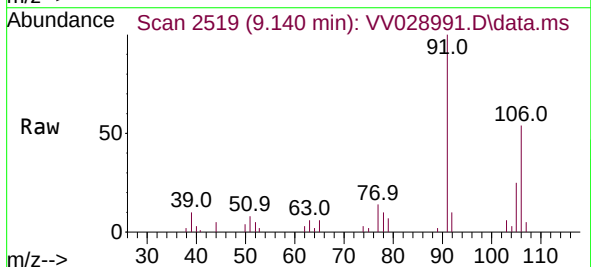
Instrument :
MSVOA_V
ClientSampleId :
COL11

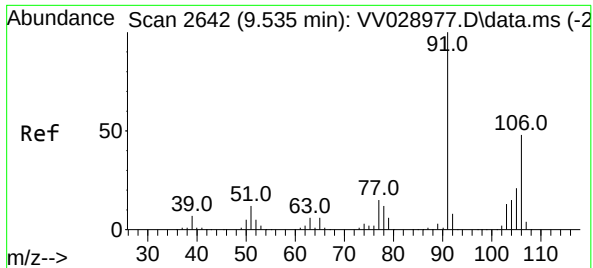
Tgt Ion: 91 Resp: 5360
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 0.213 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 106 Resp: 7590
Ion Ratio Lower Upper
106 100
91 184.2 139.1 258.3

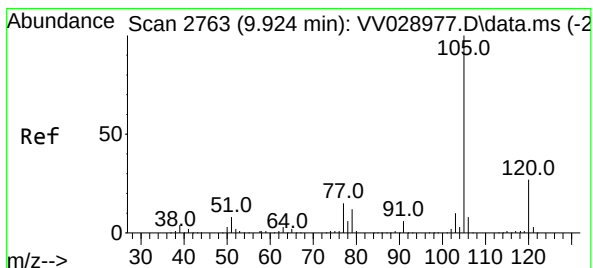
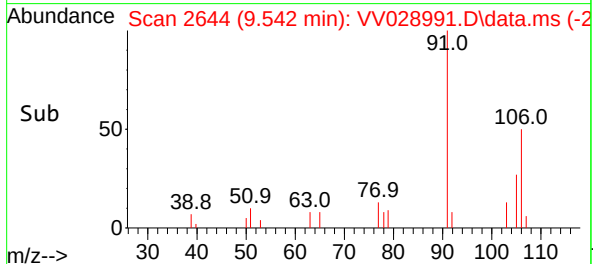
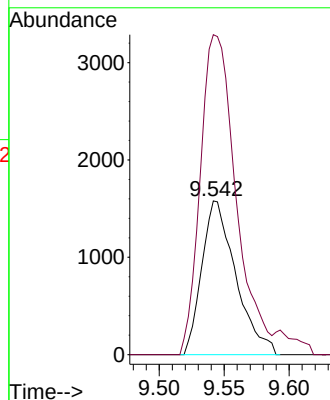
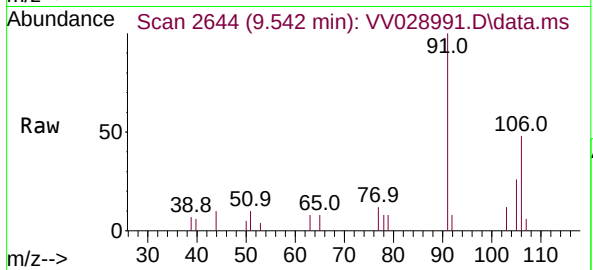




#54
o-Xylene
Concen: 0.085 ug/L
RT: 9.542 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

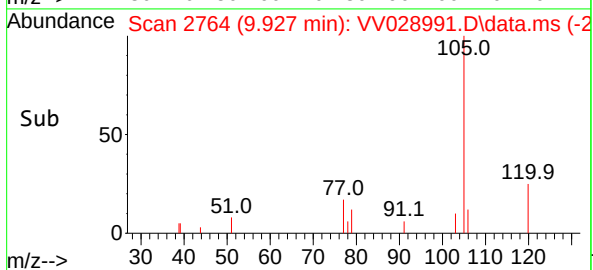
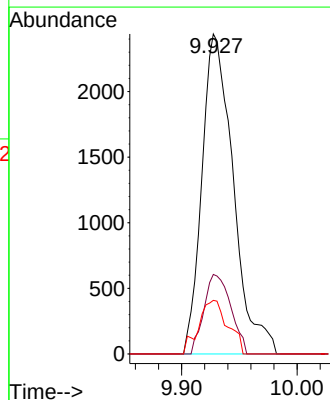
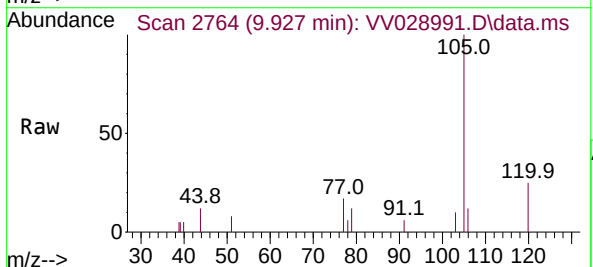
Instrument :
MSVOA_V
ClientSampleId :
COL11

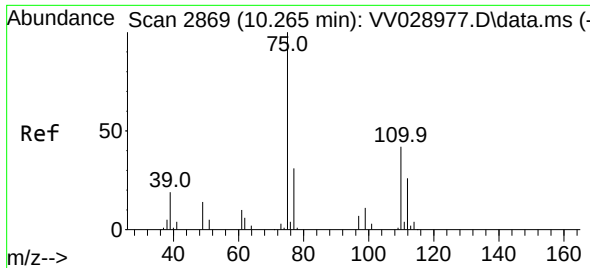
Tgt Ion:106 Resp: 2874
Ion Ratio Lower Upper
106 100
91 208.0 145.7 270.7



#60
Isopropylbenzene
Concen: 0.057 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. 0.003 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion:105 Resp: 4595
Ion Ratio Lower Upper
105 100
120 21.3 21.3 31.9
77 15.5 11.8 17.8

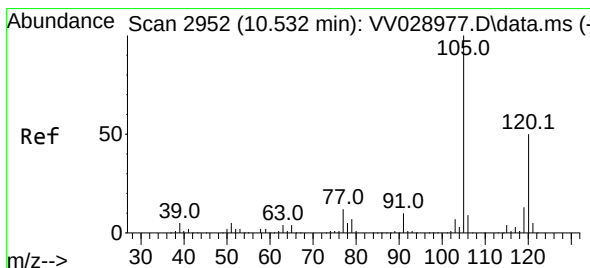
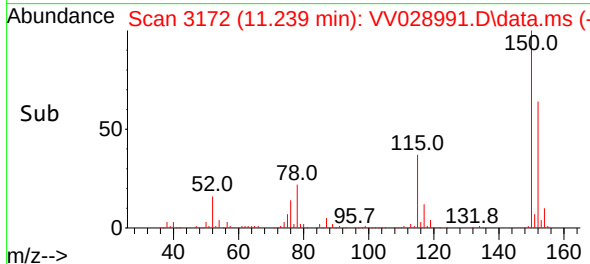
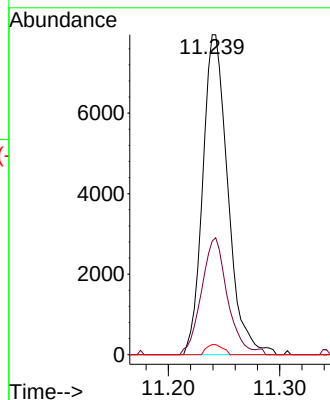
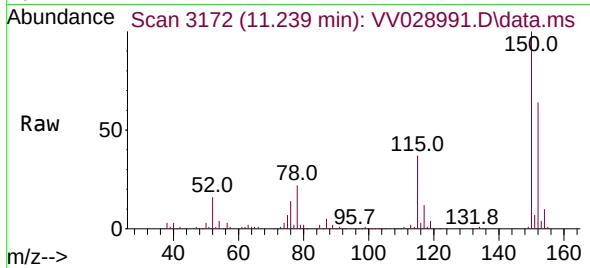




#61
1,2,3-Trichloropropane
Concen: 1.481 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Instrument :
MSVOA_V
ClientSampleId :
COL11

Tgt Ion: 75 Resp: 12468
Ion Ratio Lower Upper
75 100
77 37.9 26.2 39.2
110 2.1 32.6 48.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.044 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.383 min
Lab File: VV028991.D
Acq: 15 Nov 2022 16:08

Tgt Ion: 105 Resp: 2962
Ion Ratio Lower Upper
105 100
120 42.0 39.9 59.9

