

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111522\
 Data File : VW028993.D
 Acq On : 15 Nov 2022 16:56
 Operator : SY/MD
 Sample : N5628-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COL13

Quant Time: Nov 16 03:20:31 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	282158	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	254545	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	124429	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51108	2.971	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.568	69	55088	3.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.108	63	79592	2.539	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.800%#
20) 2-Butanone-d5	3.889	46	186767	64.861	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.720%
24) Chloroform-d	4.342	84	153811	4.355	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.027	65	75219	4.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.047	84	301923	3.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.066	67	94125	4.436	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.310	98	254183	3.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	7.622	79	25774	3.725	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.088	63	150144	50.834	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.660%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	72642	4.938	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	101288	4.550	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1470	0.075	ug/L	92
5) Vinyl chloride	1.310	62	189495	8.510	ug/L	98
6) Bromomethane	1.523	94	1368	0.103	ug/L	78
8) Chloroethane	1.429	64	85926	6.567	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	11319	0.663	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	12177	0.615	ug/L	89
19) 1,1-Dichloroethane	3.188	63	5351	0.165	ug/L	92
22) cis-1,2-Dichloroethene	3.902	96	2368881	117.620	ug/L	96
25) Chloroform	4.375	83	2745	0.081	ug/L	77
29) 1,1,1-Trichloroethane	4.613	97	482	0.016	ug/L #	67
34) Trichloroethene	5.908	95	5371332	269.732	ug/L	99
35) Methylcyclohexane	6.127	83	2160	0.062	ug/L #	64
37) 1,2-Dichloropropane	6.066	63	9372	0.522	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	1758	0.070	ug/L #	63
42) Toluene	7.384	91	216448	2.576	ug/L	100
47) Tetrachloroethene	7.973	164	2361	0.148	ug/L	91
49) Dibromochloromethane	7.976	129	2137	0.151	ug/L #	10
52) Ethylbenzene	9.018	91	4552	0.052	ug/L	94
53) m,p-Xylene	9.136	106	6253	0.180	ug/L	95

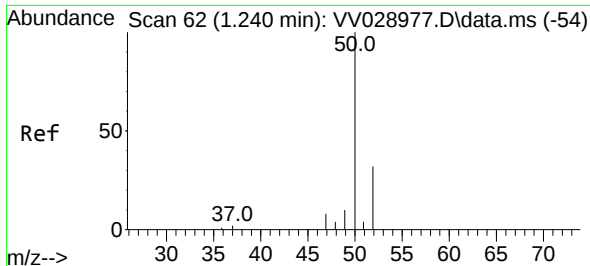
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111522\
Data File : VV028993.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.542	106	2473	0.075	ug/L	90
60) Isopropylbenzene	9.931	105	2841	0.035	ug/L	92
61) 1,2,3-Trichloropropane	11.243	75	12727	1.497	ug/L #	63

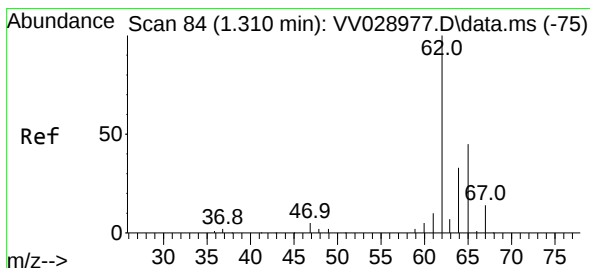
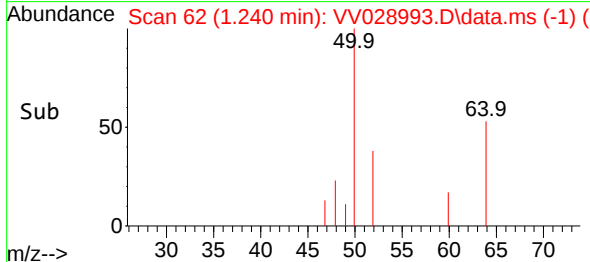
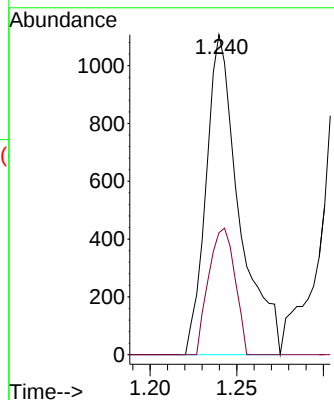
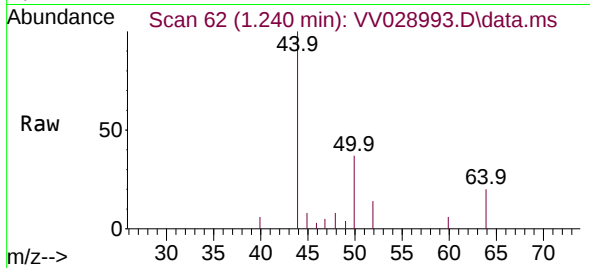
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.075 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

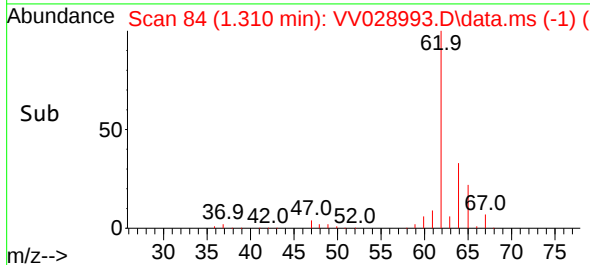
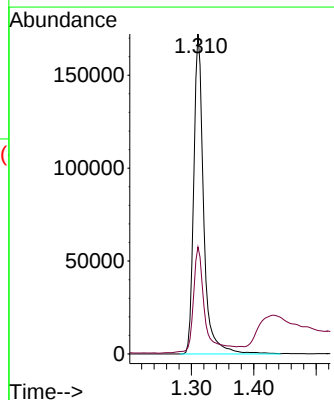
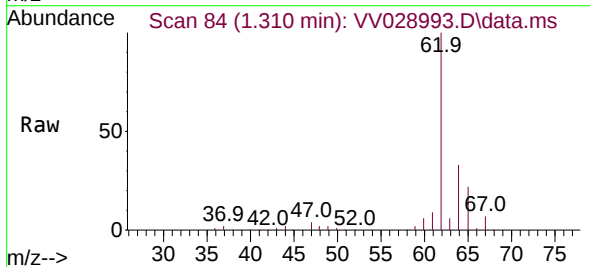
Instrument :
MSVOA_V
ClientSampleId :
COL13

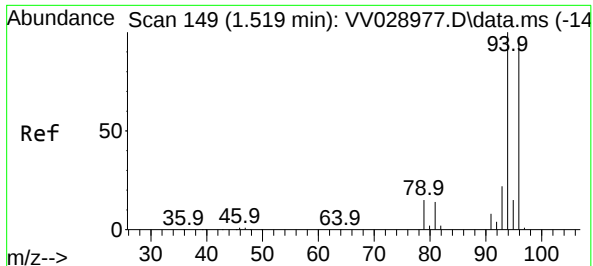
Tgt Ion: 50 Resp: 1470
Ion Ratio Lower Upper
50 100
52 38.1 23.7 43.9



#5
Vinyl chloride
Concen: 8.510 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Tgt Ion: 62 Resp: 189495
Ion Ratio Lower Upper
62 100
64 33.5 22.8 42.4

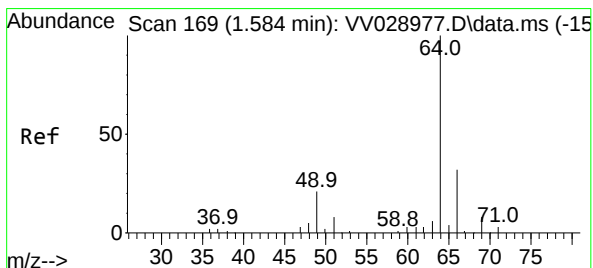
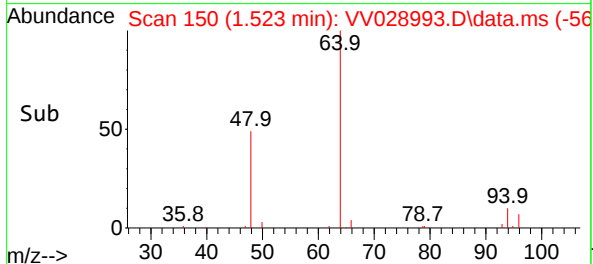
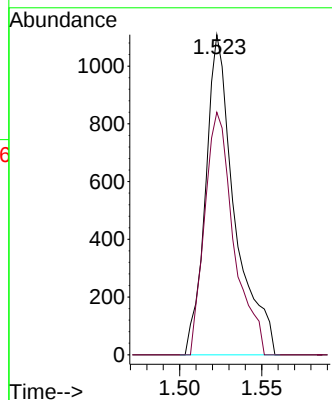
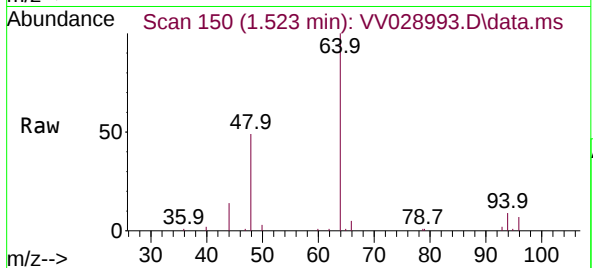




#6
Bromomethane
Concen: 0.103 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

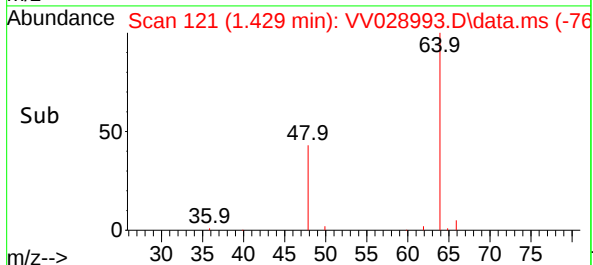
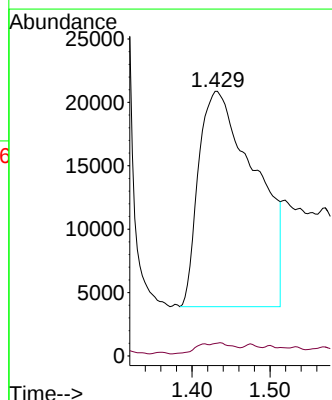
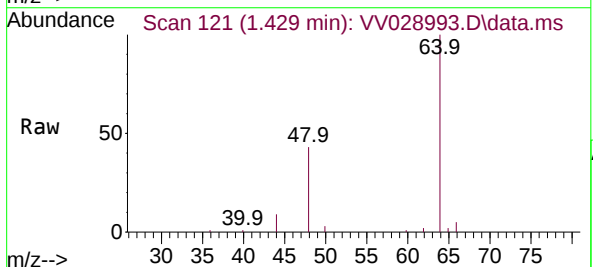
Instrument :
MSVOA_V
ClientSampleId :
COL13

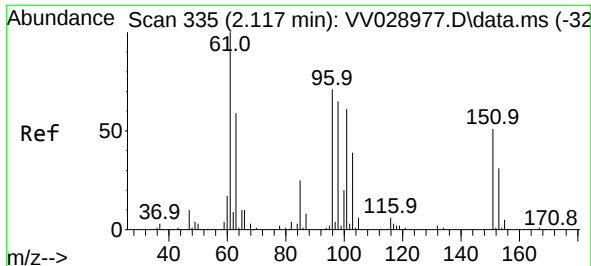
Tgt Ion: 94 Resp: 1368
Ion Ratio Lower Upper
94 100
96 75.7 68.5 127.3



#8
Chloroethane
Concen: 6.567 ug/L
RT: 1.429 min Scan# 121
Delta R.T. -0.154 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Tgt Ion: 64 Resp: 85926
Ion Ratio Lower Upper
64 100
66 4.7 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 0.663 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

COL13

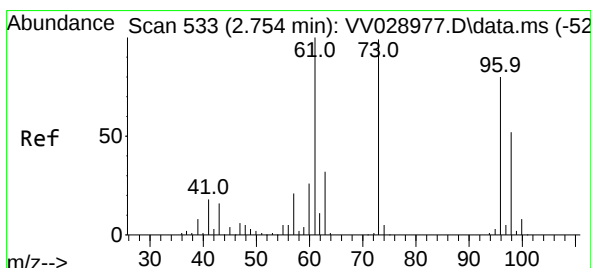
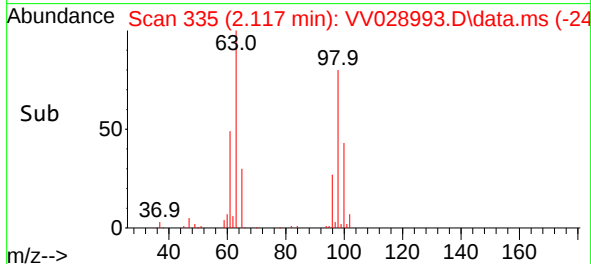
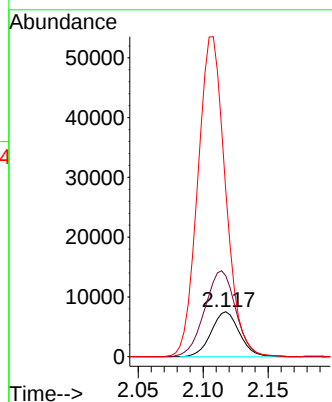
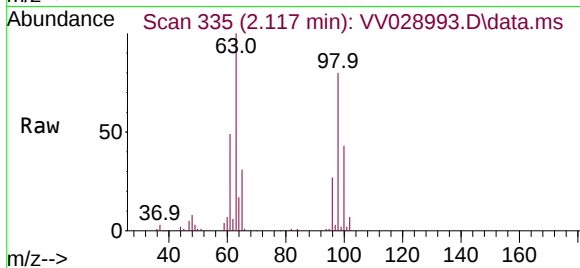
Tgt Ion: 96 Resp: 11319

Ion Ratio Lower Upper

96 100

61 179.9 104.2 193.4

63 368.9 75.9 140.9#



#18

trans-1,2-Dichloroethene

Concen: 0.615 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

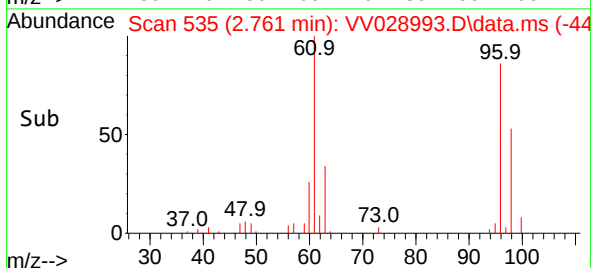
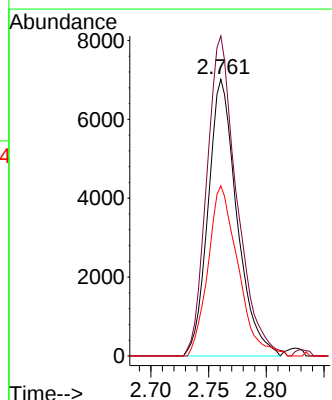
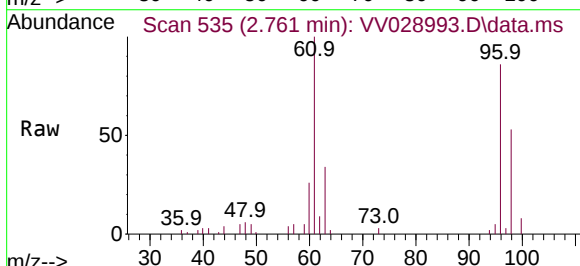
Tgt Ion: 96 Resp: 12177

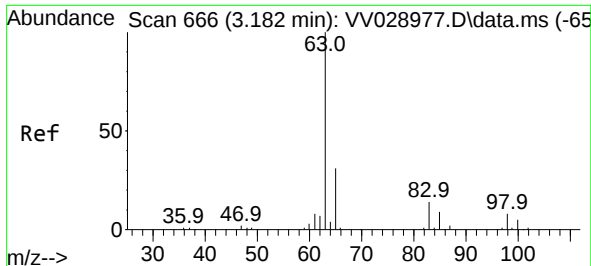
Ion Ratio Lower Upper

96 100

61 115.7 91.8 170.6

98 61.5 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.165 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

COL13

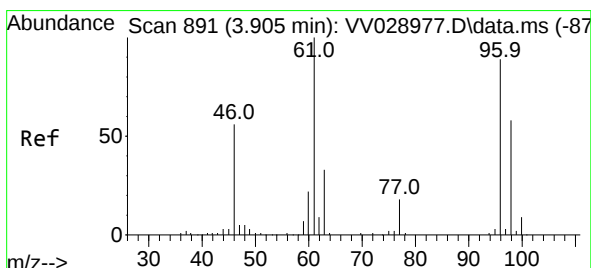
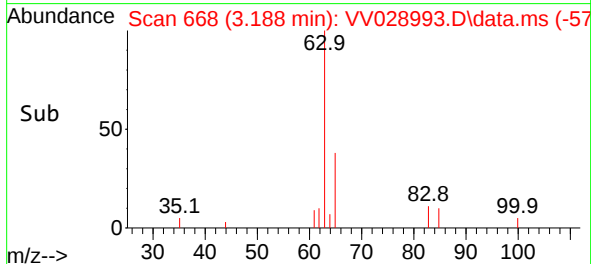
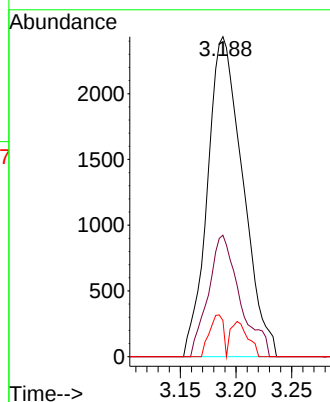
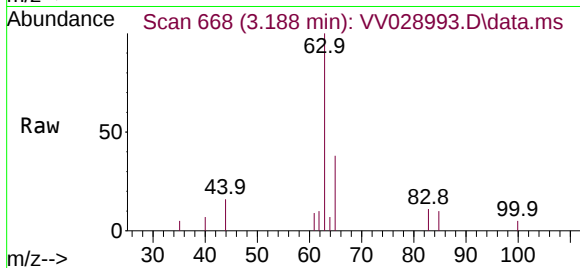
Tgt Ion: 63 Resp: 5351

Ion Ratio Lower Upper

63 100

65 38.0 23.0 42.6

83 11.3 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 117.620 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

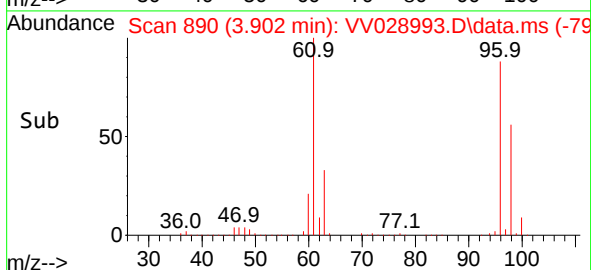
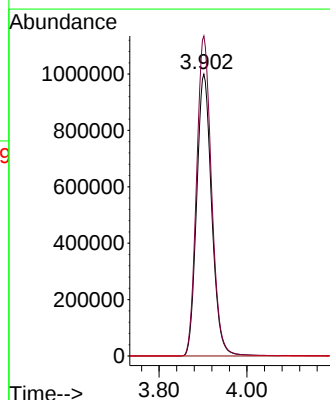
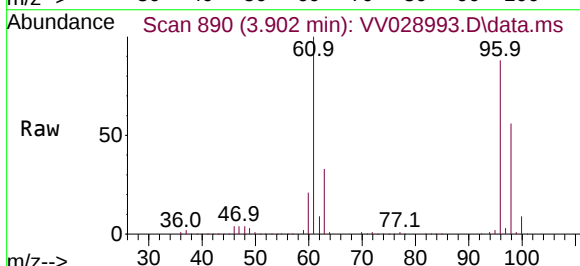
Tgt Ion: 96 Resp: 2368881

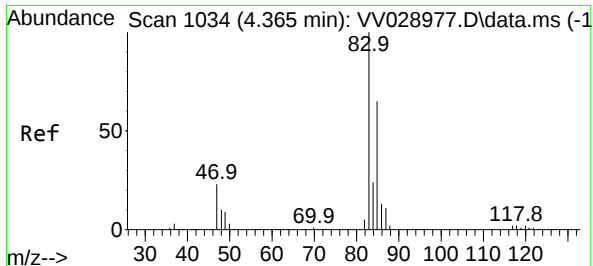
Ion Ratio Lower Upper

96 100

61 113.5 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.081 ug/L

RT: 4.375 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

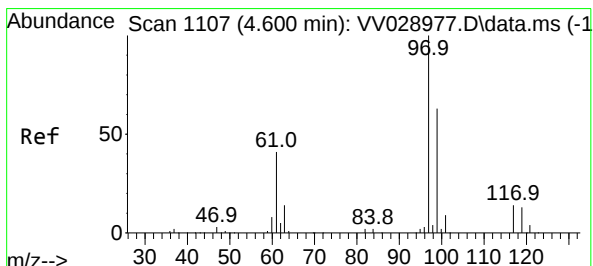
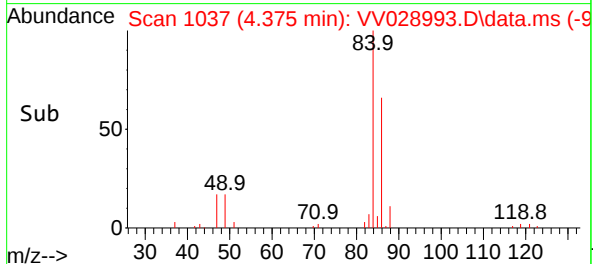
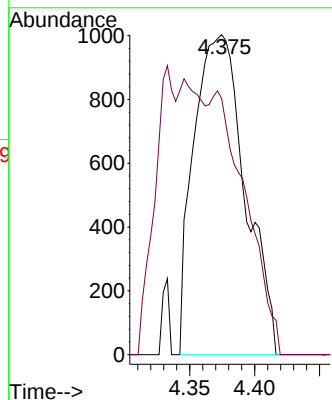
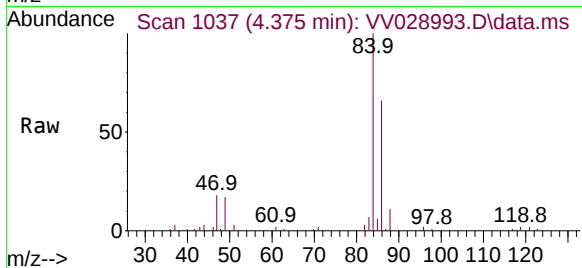
COL13

Tgt Ion: 83 Resp: 2745

Ion Ratio Lower Upper

83 100

85 80.1 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.016 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.013 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

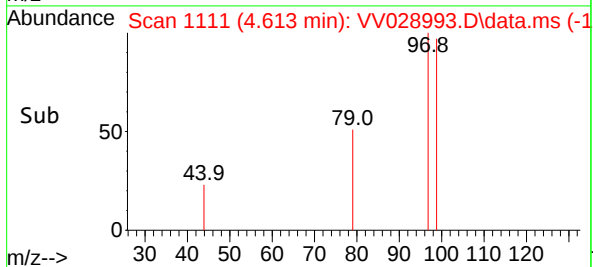
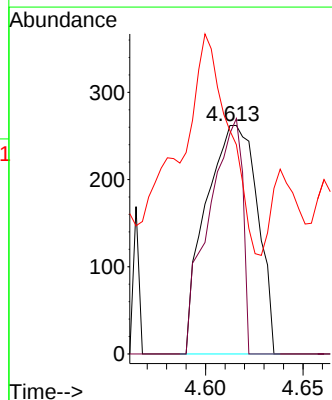
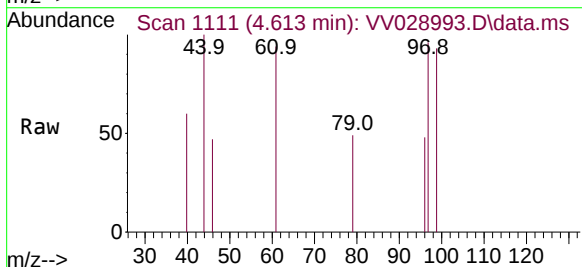
Tgt Ion: 97 Resp: 482

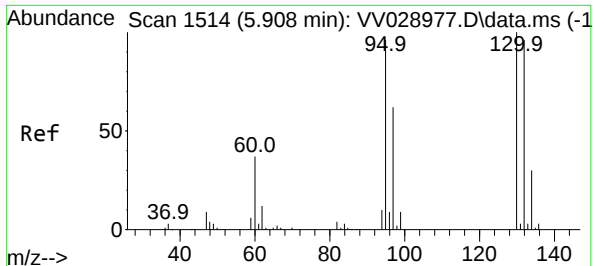
Ion Ratio Lower Upper

97 100

99 67.4 52.7 79.1

61 93.6 33.8 50.6#





#34

Trichloroethene

Concen: 269.732 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

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Tgt Ion: 95 Resp: 5371332

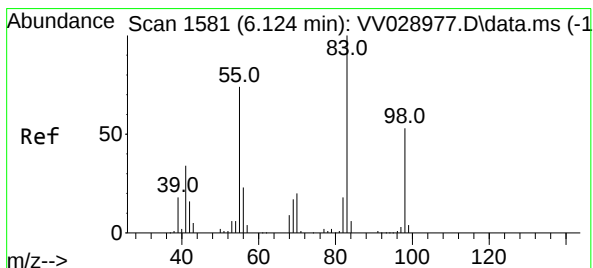
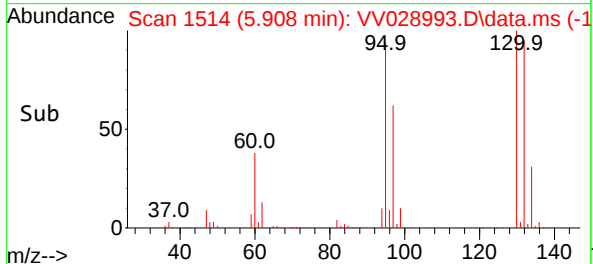
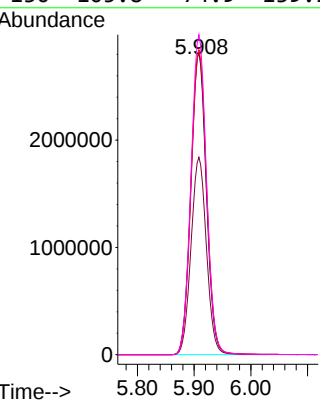
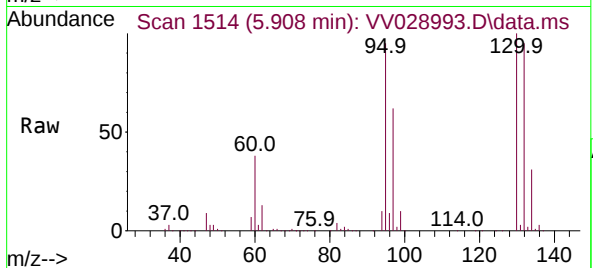
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 100.8 69.1 128.3

130 105.8 74.9 139.1



#35

Methylcyclohexane

Concen: 0.062 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.003 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

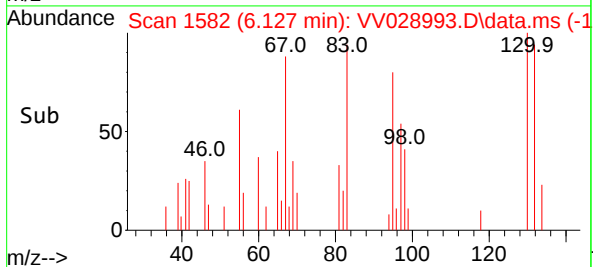
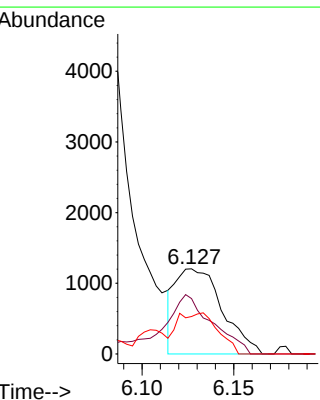
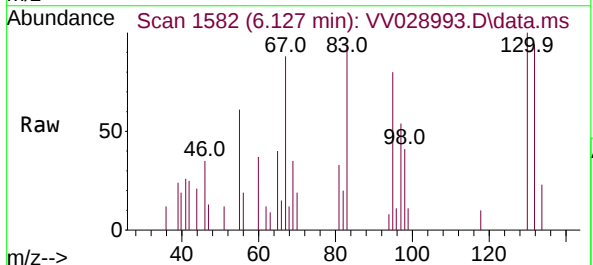
Tgt Ion: 83 Resp: 2160

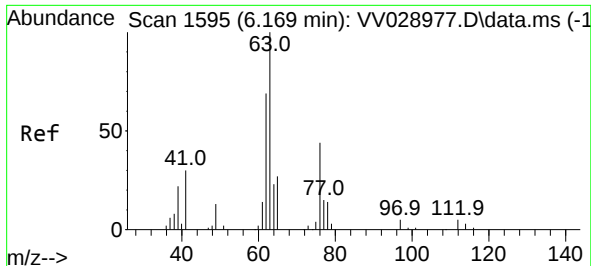
Ion Ratio Lower Upper

83 100

55 79.4 55.8 83.6

98 0.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.522 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

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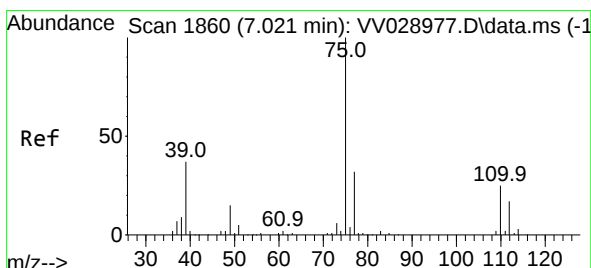
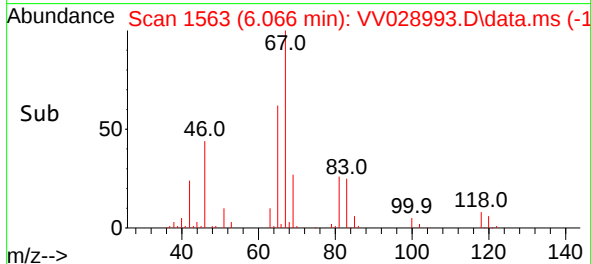
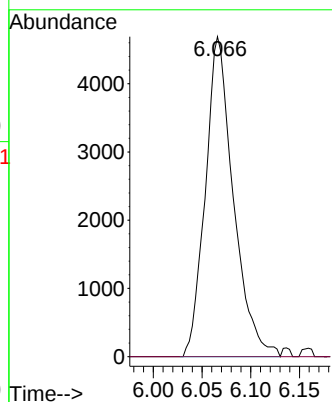
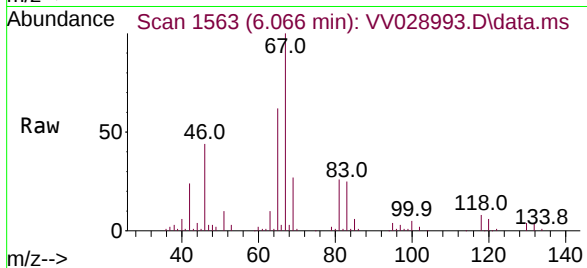
COL13

Tgt Ion: 63 Resp: 9372

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.035 min

Lab File: VV028993.D

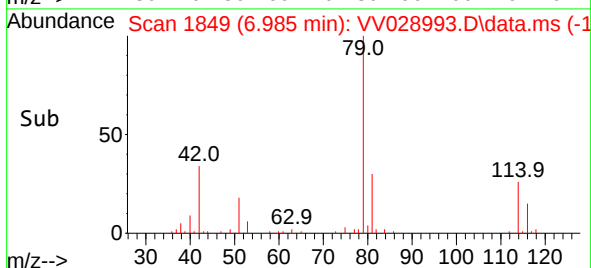
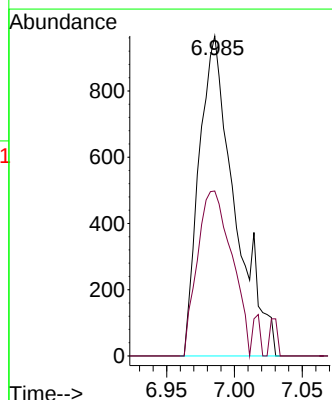
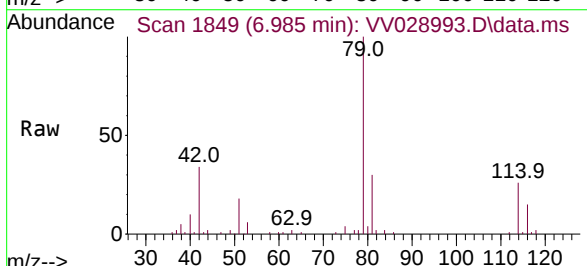
Acq: 15 Nov 2022 16:56

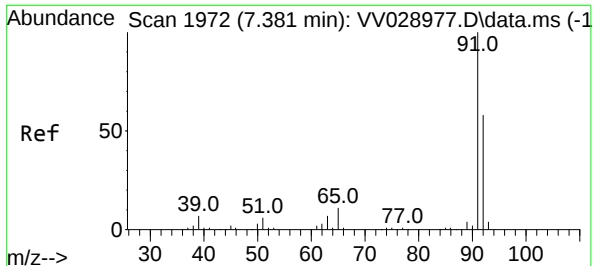
Tgt Ion: 75 Resp: 1758

Ion Ratio Lower Upper

75 100

77 51.6 21.8 40.6#

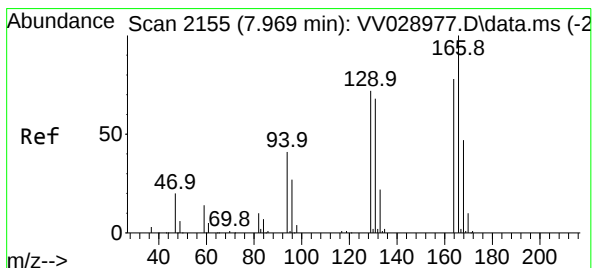
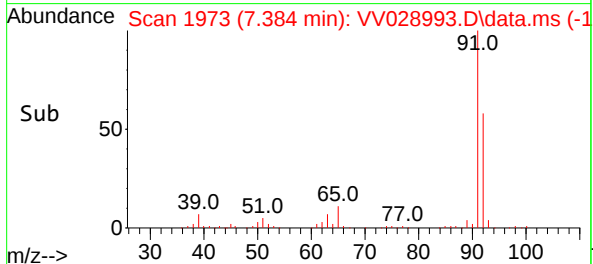
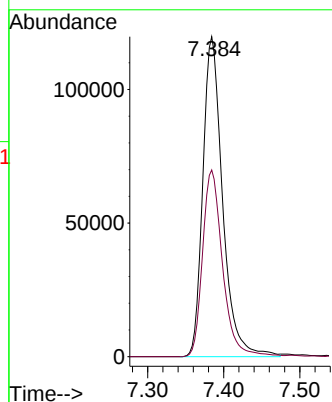
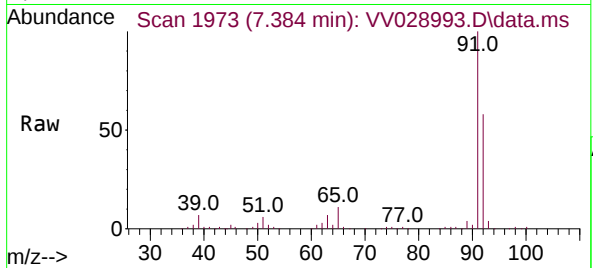




#42
Toluene
Concen: 2.576 ug/L
RT: 7.384 min Scan# 1972
Delta R.T. 0.003 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

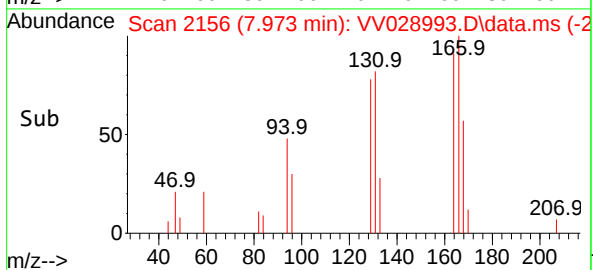
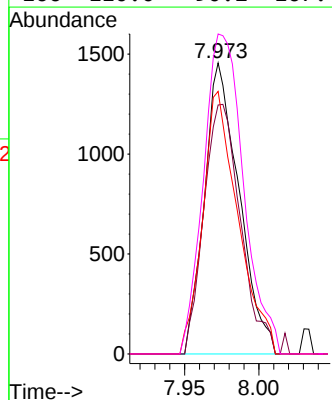
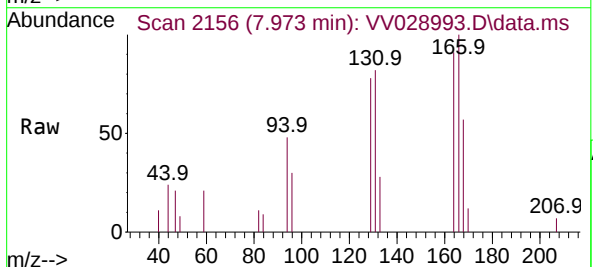
Instrument :
MSVOA_V
ClientSampleId :
COL13

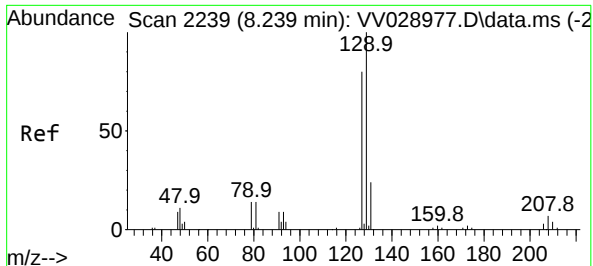
Tgt Ion: 91 Resp: 216448
Ion Ratio Lower Upper
91 100
92 58.4 40.7 75.5



#47
Tetrachloroethene
Concen: 0.148 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Tgt Ion: 164 Resp: 2361
Ion Ratio Lower Upper
164 100
129 85.6 63.9 118.7
131 90.2 61.8 114.8
166 110.0 90.2 167.4





#49

Dibromochloromethane

Concen: 0.151 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.264 min

Lab File: VV028993.D

Acq: 15 Nov 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

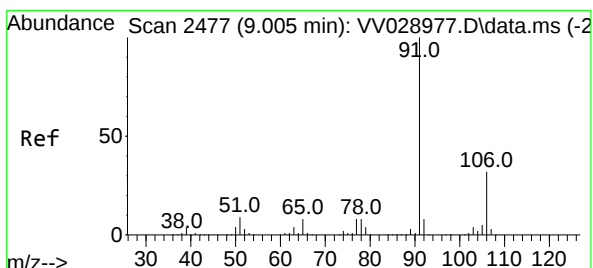
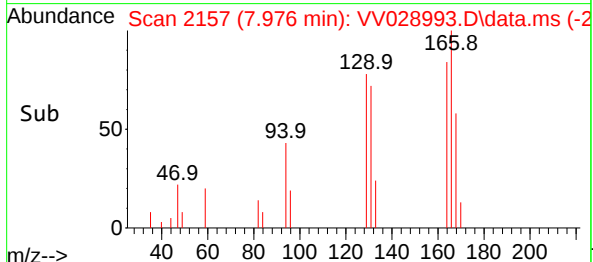
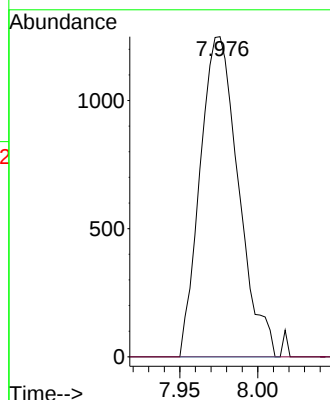
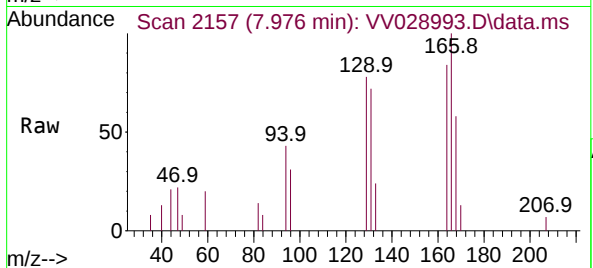
COL13

Tgt Ion:129 Resp: 2137

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#52

Ethylbenzene

Concen: 0.052 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.013 min

Lab File: VV028993.D

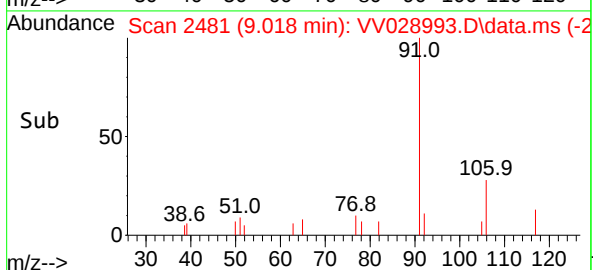
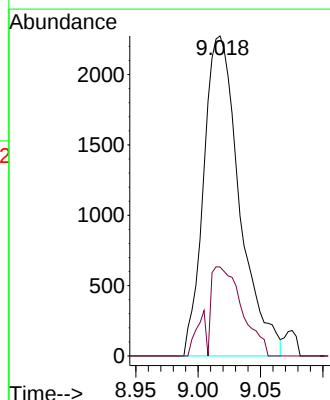
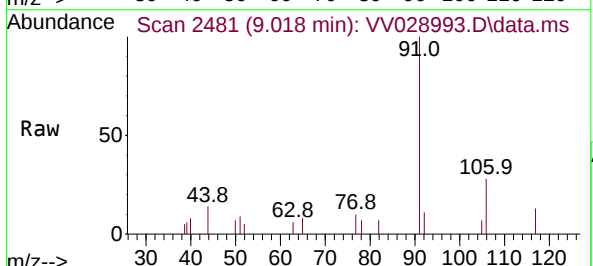
Acq: 15 Nov 2022 16:56

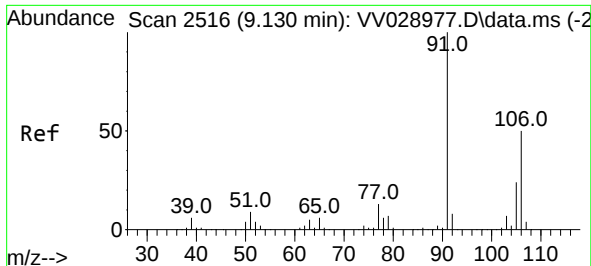
Tgt Ion: 91 Resp: 4552

Ion Ratio Lower Upper

91 100

106 27.8 21.6 40.2

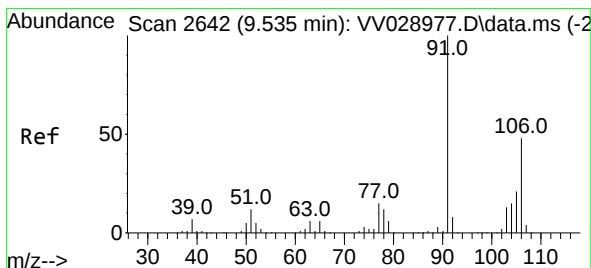
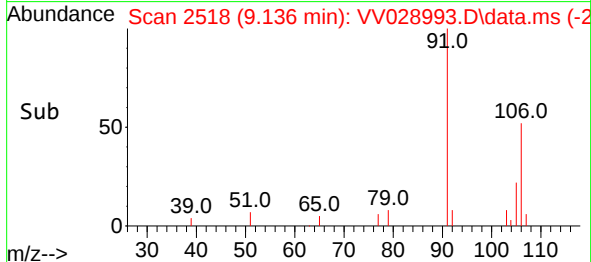
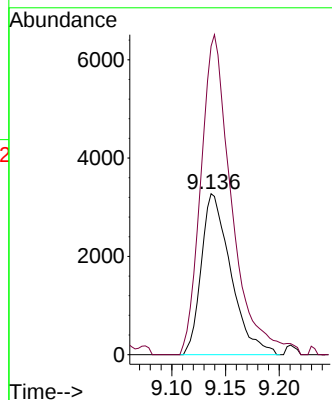
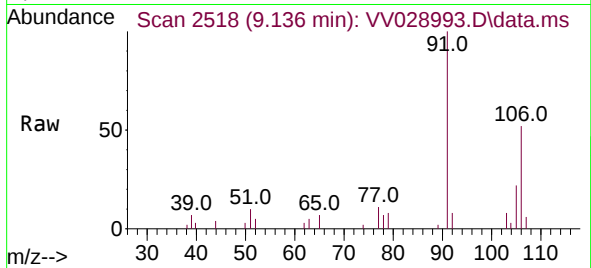




#53
m,p-Xylene
Concen: 0.180 ug/L
RT: 9.136 min Scan# 2516
Delta R.T. 0.006 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

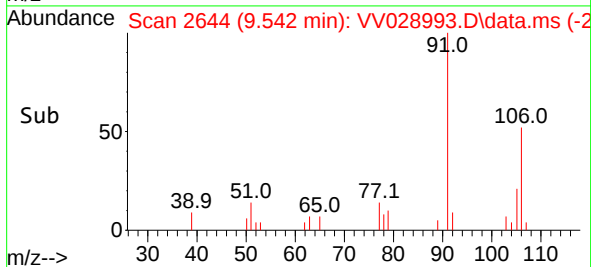
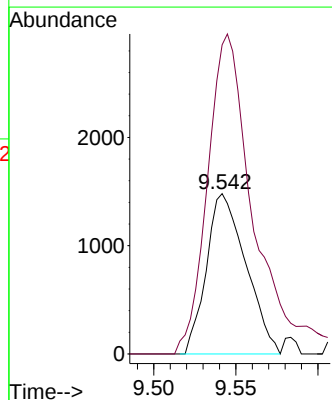
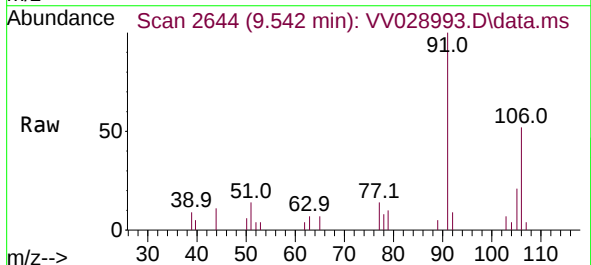
Instrument :
MSVOA_V
ClientSampleId :
COL13

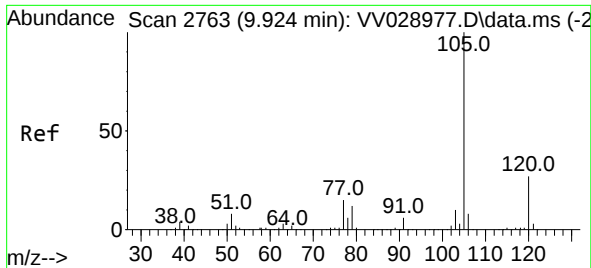
Tgt Ion:106 Resp: 6253
Ion Ratio Lower Upper
106 100
91 191.6 139.1 258.3



#54
o-Xylene
Concen: 0.075 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.006 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Tgt Ion:106 Resp: 2473
Ion Ratio Lower Upper
106 100
91 192.8 145.7 270.7

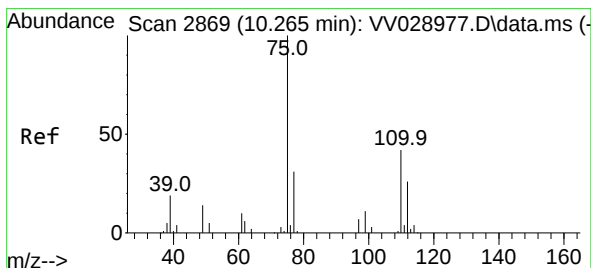
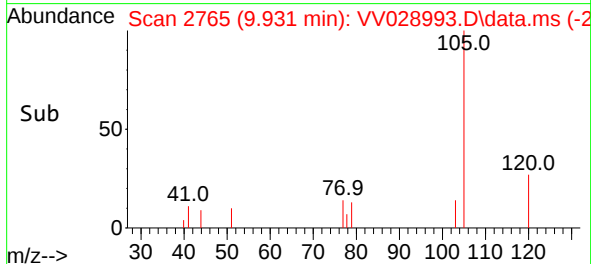
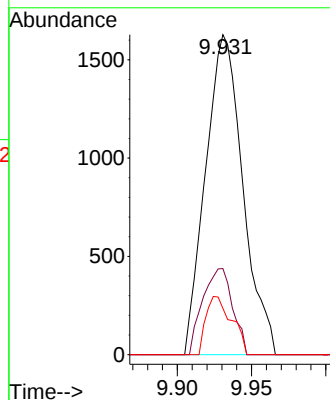
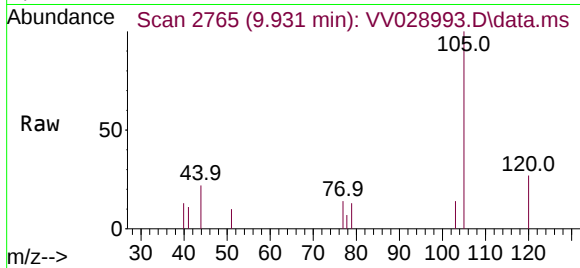




#60
Isopropylbenzene
Concen: 0.035 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Instrument :
MSVOA_V
ClientSampleId :
COL13

Tgt Ion:105 Resp: 2841
Ion Ratio Lower Upper
105 100
120 21.6 21.3 31.9
77 12.5 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 1.497 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.977 min
Lab File: VV028993.D
Acq: 15 Nov 2022 16:56

Tgt Ion: 75 Resp: 12727
Ion Ratio Lower Upper
75 100
77 36.2 26.2 39.2
110 2.4 32.6 48.8#

