

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019214.D
 Acq On : 02 Nov 2020 21:44
 Operator : SY/MD
 Sample : VV1103WBL01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 03 05:29:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	248731	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241879	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	124297	50.00	ug/L	0.00

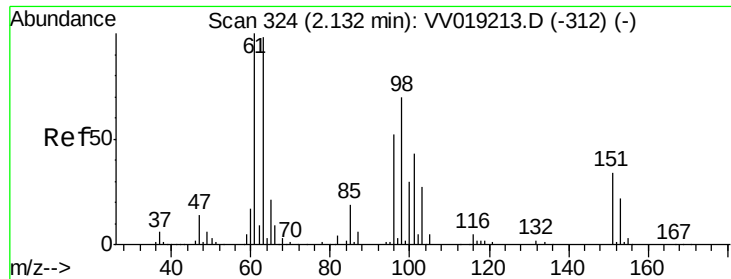
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90703	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.50%
7) Chloroethane-d5	1.58	69	76134	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.24%
11) 1,1-Dichloroethene-d2	2.12	63	140800	39.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.24%
21) 2-Butanone-d5	3.91	46	107018	101.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.11%
24) Chloroform-d	4.38	84	170964	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.05	65	124135	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
32) Benzene-d6	5.07	84	330826	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
36) 1,2-Dichloropropane-d6	6.09	67	99234	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.52%
41) Toluene-d8	7.34	98	305446	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%
43) trans-1,3-Dichloropropene-	7.64	79	55426	49.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.18%
47) 2-Hexanone-d5	8.11	63	74219	95.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.87%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	123548	46.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	11.65	152	127911	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1580	1.216	ug/L #	34
12) 1,1-Dichloroethene	2.13	96	1174	0.874	ug/L #	1
14) Carbon disulfide	2.31	76	3310	0.858	ug/L	99
35) Methylcyclohexane	6.09	83	25296	12.794	ug/L #	18
42) Toluene	7.42	91	2782	0.428	ug/L	97
60) Isopropylbenzene	9.96	105	826	0.127	ug/L #	74
61) 1,2,3-Trichloropropane	10.30	75	207	0.107	ug/L #	38
62) 1,3,5-Trimethylbenzene	10.57	105	860	0.159	ug/L	95
63) 1,2,4-Trimethylbenzene	10.94	105	1124	0.212	ug/L	97
65) 1,4-Dichlorobenzene	11.29	146	1659	0.471	ug/L	84
69) 1,3,5-Trichlorobenzene	13.29	180	1633	0.668	ug/L	90
70) 1,2,4-trichlorobenzene	13.29	180	1633	0.710	ug/L	86
71) Naphthalene	13.53	128	4865	0.750	ug/L	97
72) 1,2,3-Trichlorobenzene	13.77	180	1787	0.783	ug/L #	91

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.216 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

Instrument :

MSVOA_V

ClientSampled :

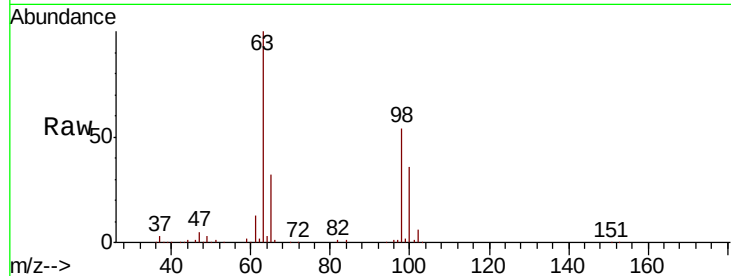
Tot Ion:101 Resp: 1580

Ion Ratio Lower Upper

101 100

85 9.0 35.6 53.4#

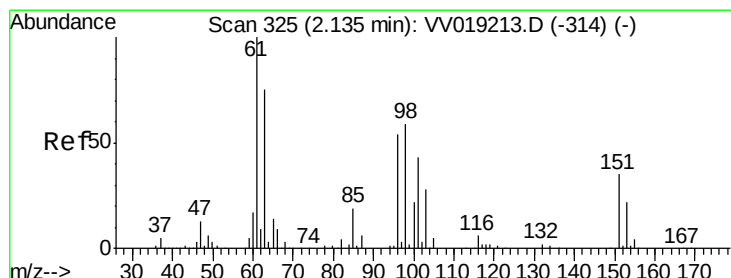
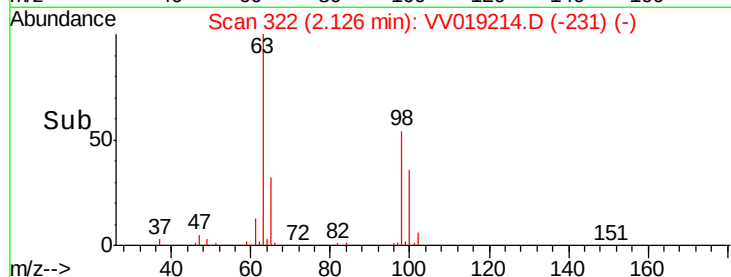
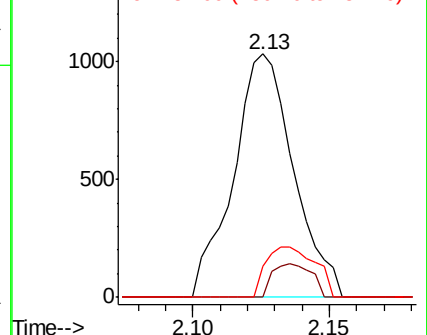
151 16.9 64.1 96.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.874 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

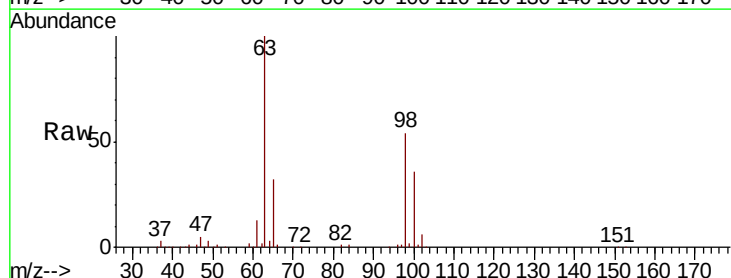
Tgt Ion: 96 Resp: 1174

Ion Ratio Lower Upper

96 100

61 1504.7 133.6 248.0#

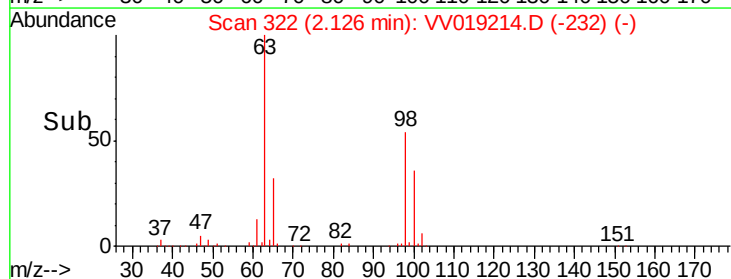
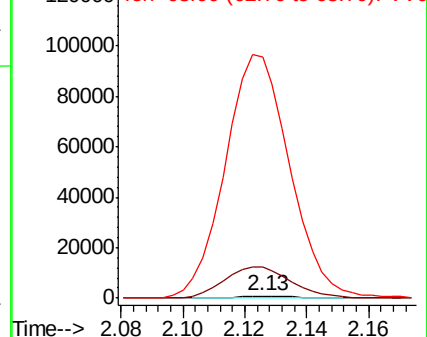
63 11598.5 103.0 191.2#

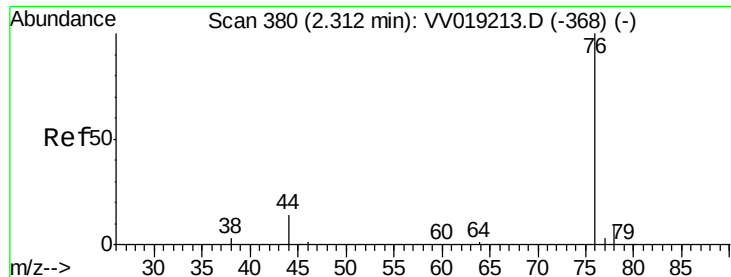


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.858 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

Instrument :

MSVOA_V

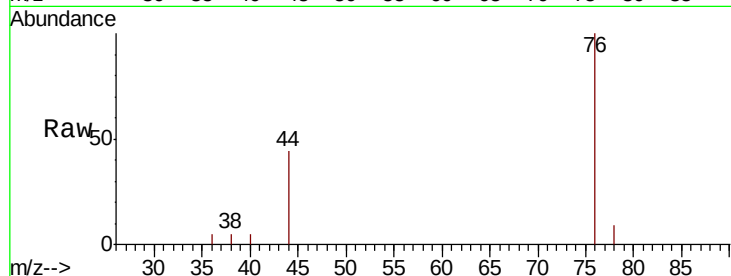
ClientSampleId :

Tot Ion: 76 Resp: 3310

Ion Ratio Lower Upper

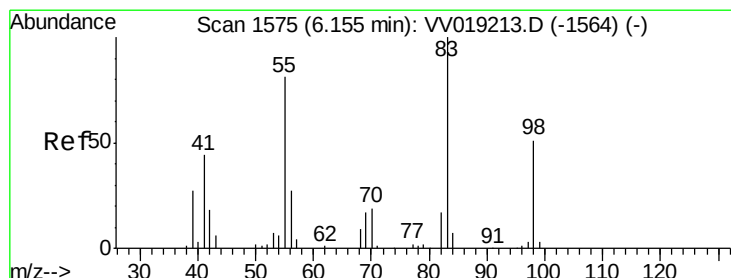
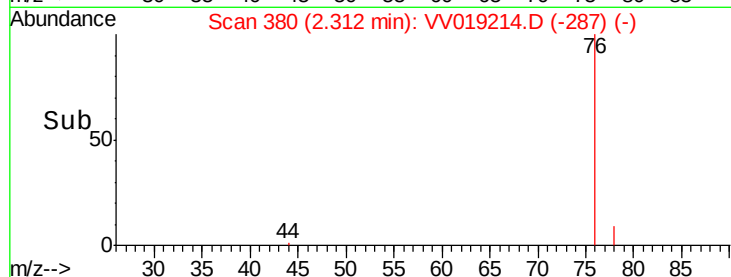
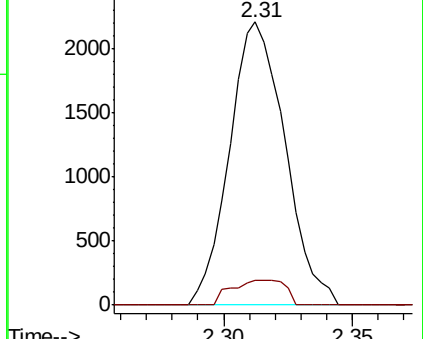
76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 12.794 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

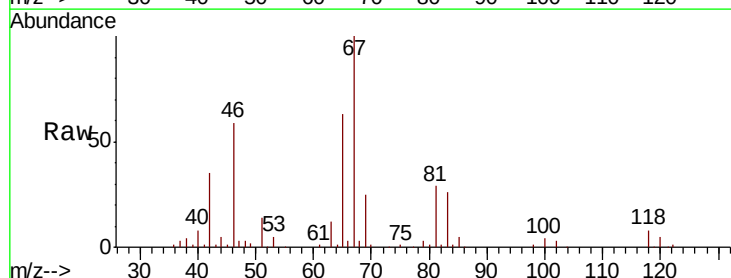
Tgt Ion: 83 Resp: 25296

Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

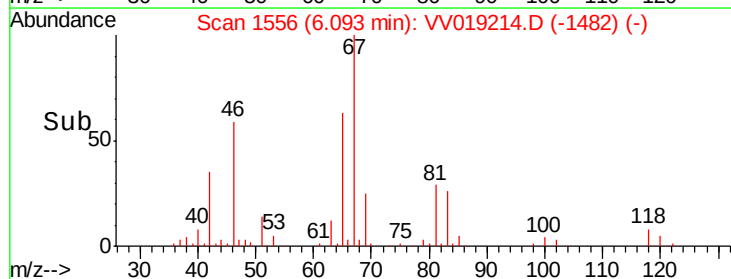
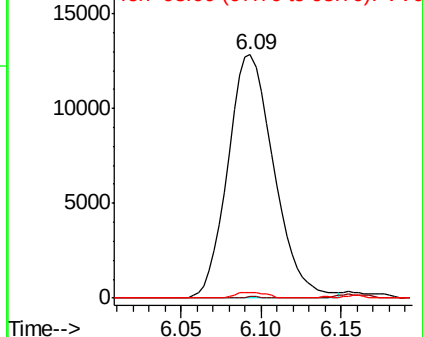
98 1.6 38.6 58.0#

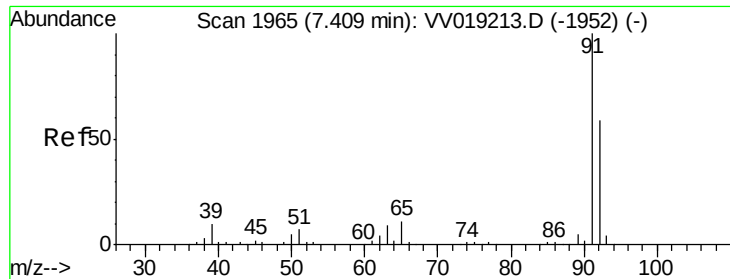


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#42

Toluene

Concen: 0.428 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

Instrument :

MSVOA_V

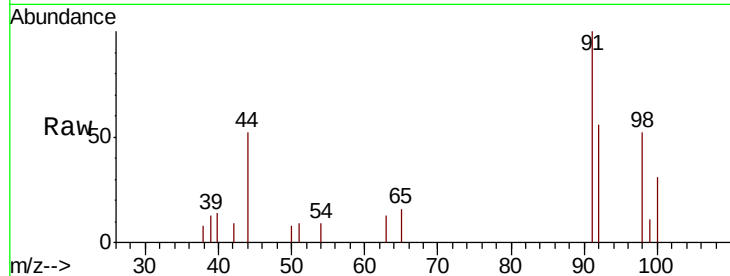
ClientSampled :

Tot Ion: 91 Resp: 2782

Ion Ratio Lower Upper

91 100

92 55.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019213.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019214.D (-1872) (-)

7.42

1500

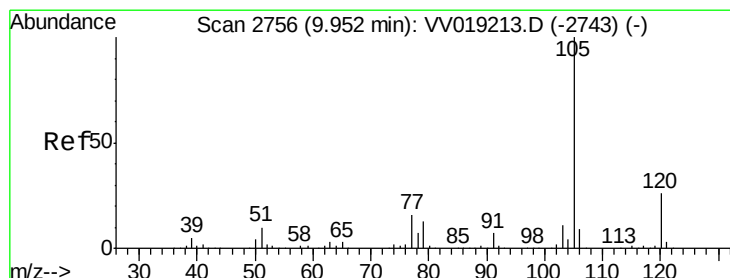
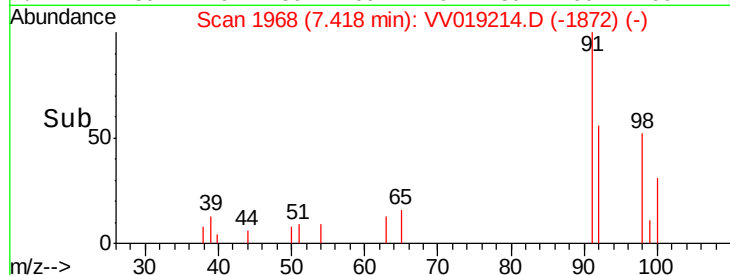
1000

500

0

7.40 7.45

Time-->



#60

Isopropylbenzene

Concen: 0.127 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.01 min

Lab File: VV019214.D

Acq: 02 Nov 2020 21:44

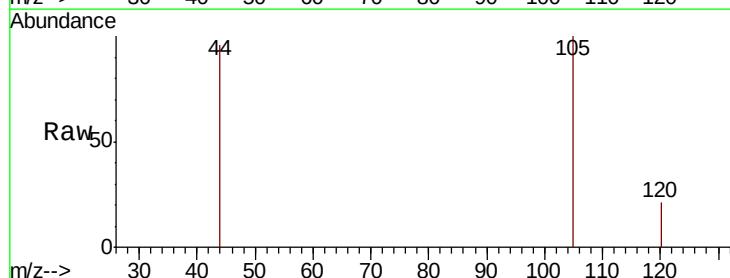
Tgt Ion: 105 Resp: 826

Ion Ratio Lower Upper

105 100

120 9.9 21.0 31.4#

77 8.7 13.0 19.6#



Abundance Ion 105.00 (104.70 to 105.70): VV019213.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV019214.D (-2134) (-)

Ion 77.00 (76.70 to 77.70): VV019214.D (-2134) (-)

9.96

800

600

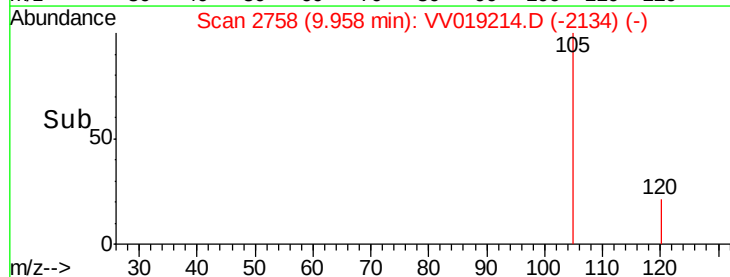
400

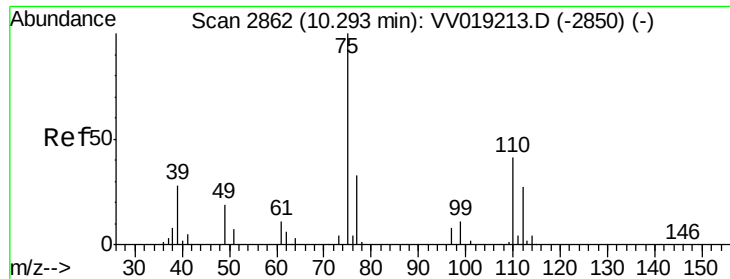
200

0

9.95

Time-->

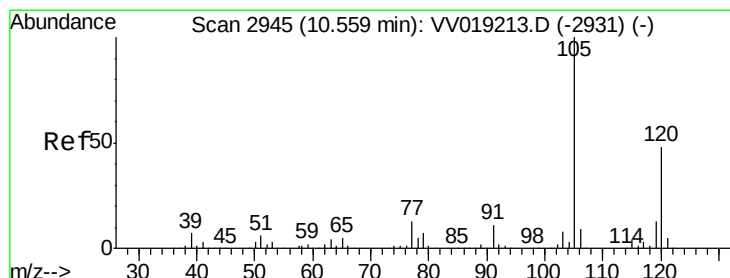
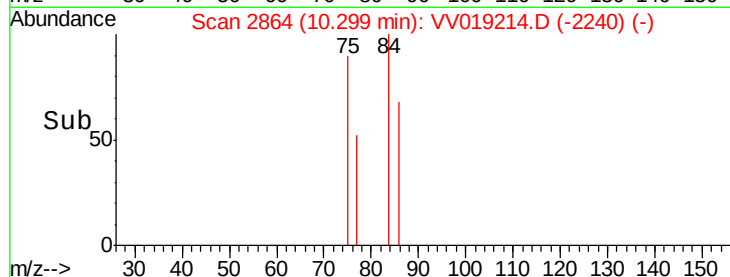
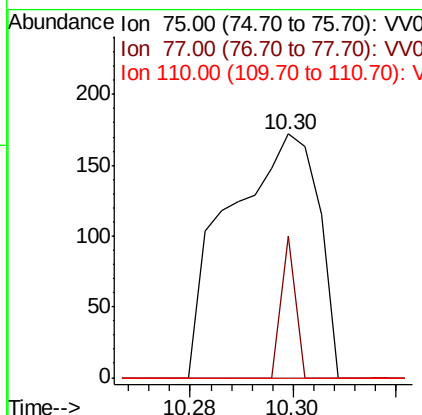
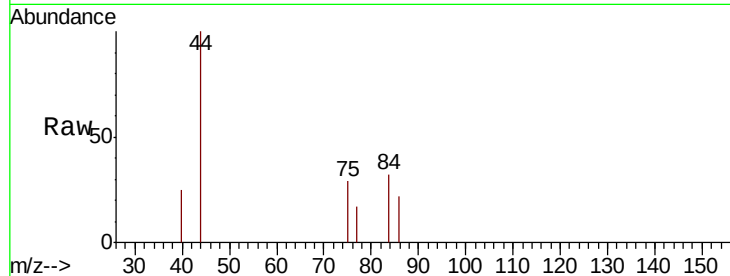




#61
 1,2,3-Trichloropropane
 Concen: 0.107 ug/L
 RT: 10.30 min Scan# 2864
 Delta R.T. 0.01 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

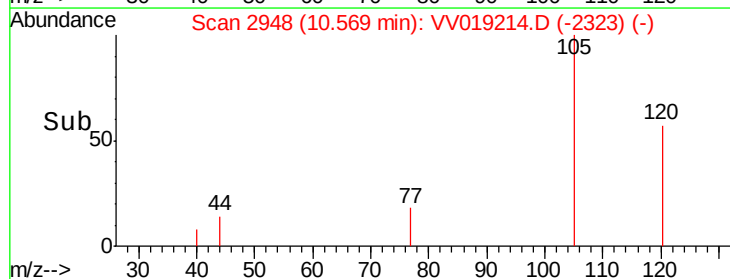
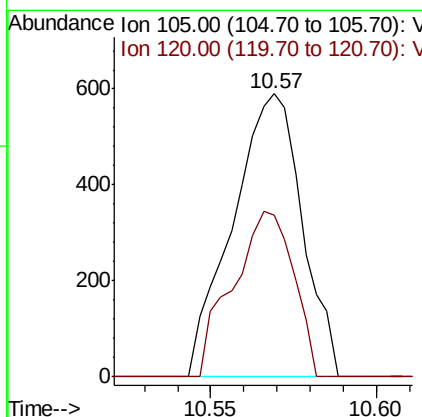
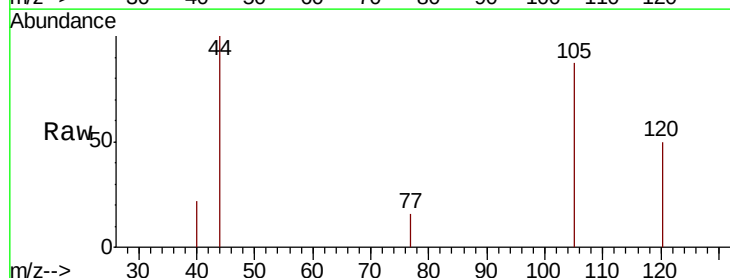
Instrument :
 MSVOA_V
 ClientSampled :

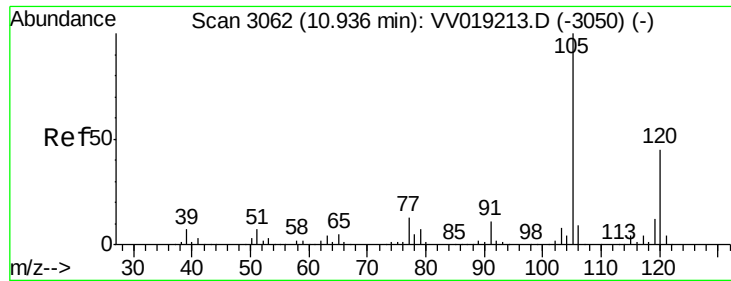
Tot Ion: 75 Resp: 207
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 110 0.0 33.4 50.2#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.159 ug/L
 RT: 10.57 min Scan# 2948
 Delta R.T. 0.01 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

Tgt Ion: 105 Resp: 860
 Ion Ratio Lower Upper
 105 100
 120 51.0 38.3 57.5

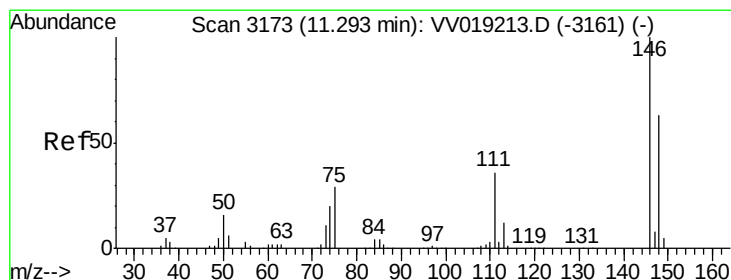
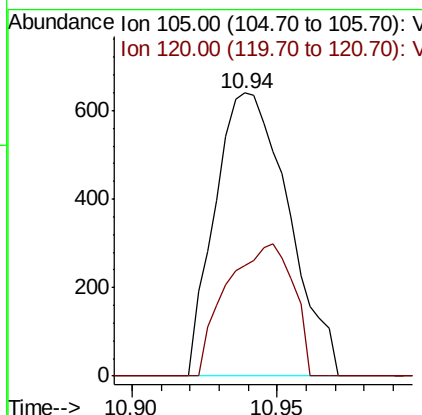
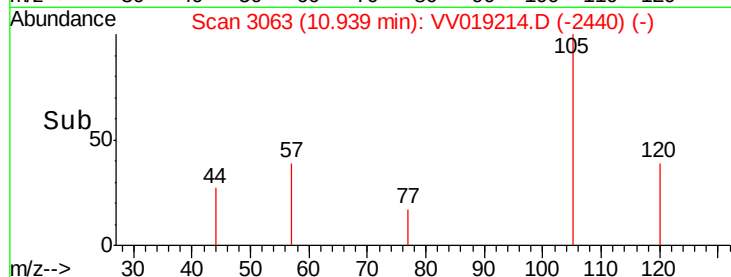
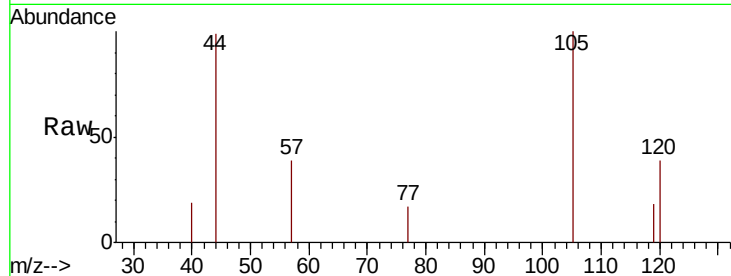




#63
 1,2,4-Trimethylbenzene
 Concen: 0.212 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

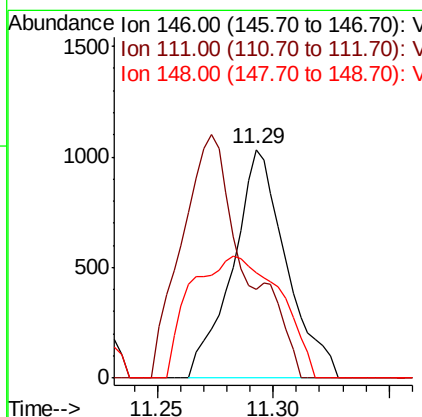
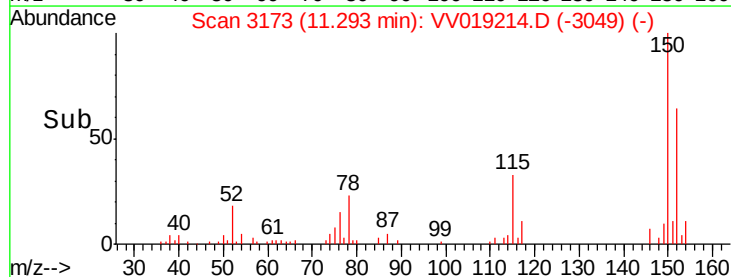
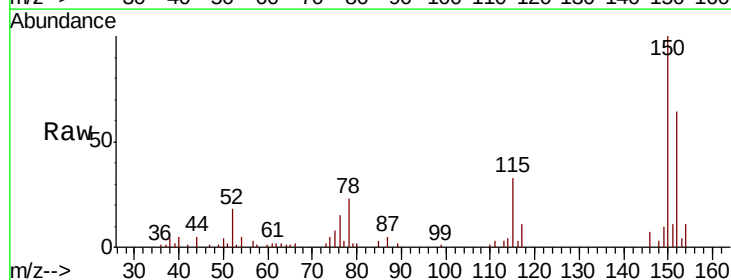
Instrument :
 MSVOA_V
 ClientSampled :

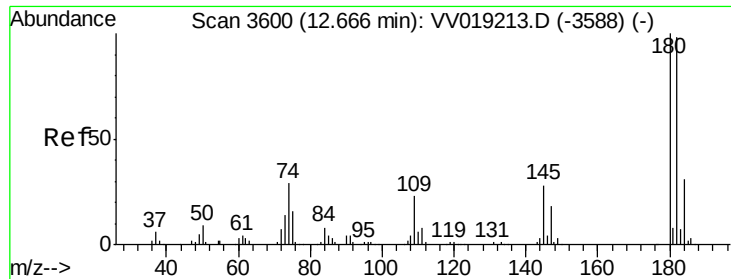
Tot Ion:105 Resp: 1124
 Ion Ratio Lower Upper
 105 100
 120 42.3 35.7 53.5



#65
 1,4-Dichlorobenzene
 Concen: 0.471 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

Tgt Ion:146 Resp: 1659
 Ion Ratio Lower Upper
 146 100
 111 39.0 25.9 48.1
 148 46.4 44.9 83.5

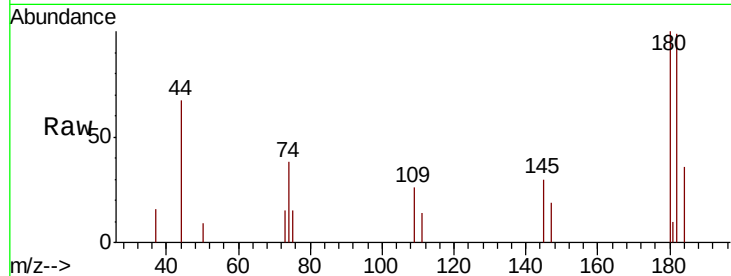




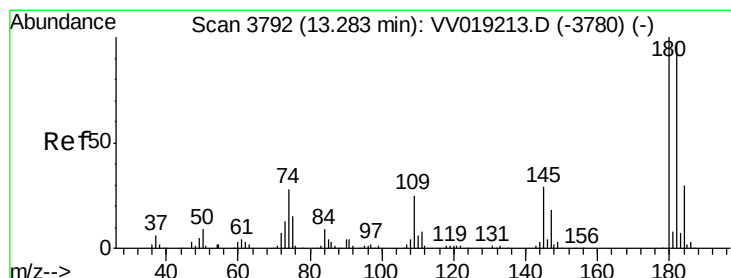
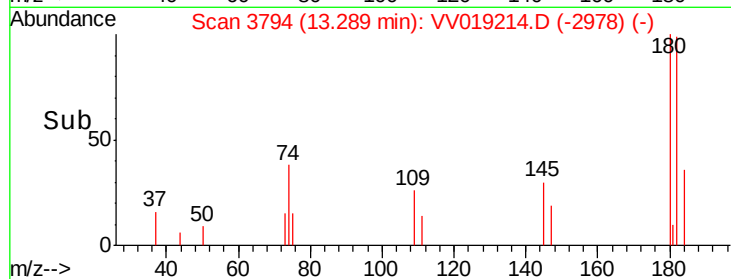
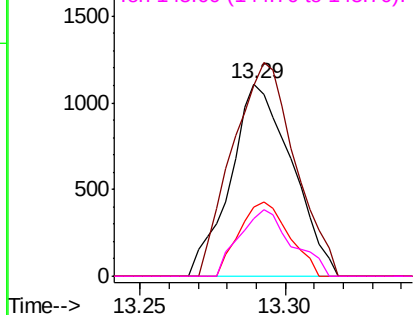
#69
 1,3,5-Trichlorobenzene
 Concen: 0.668 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1633
 Ion Ratio Lower Upper
 180 100
 182 113.0 77.7 116.5
 184 31.3 24.9 37.3
 145 29.6 23.4 35.0

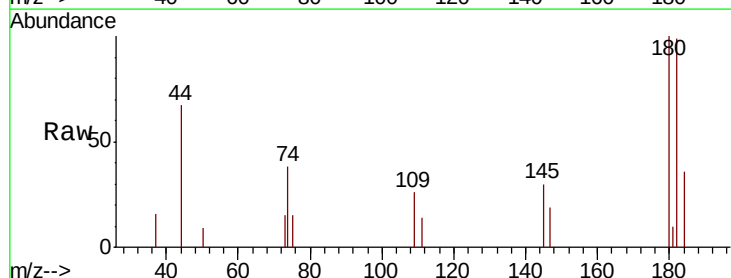


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

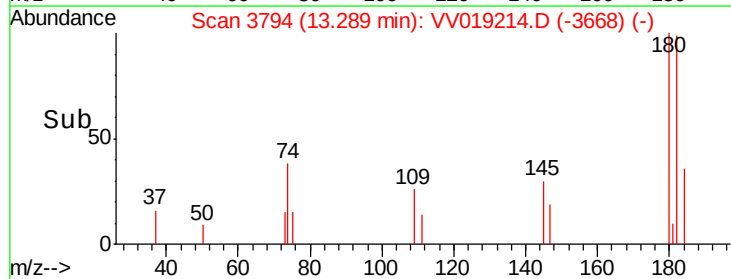
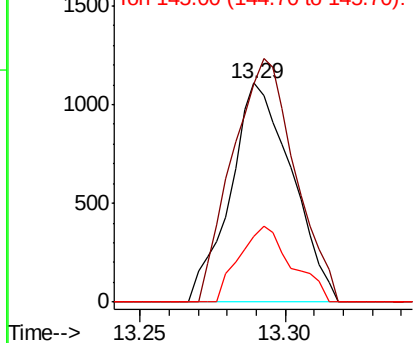


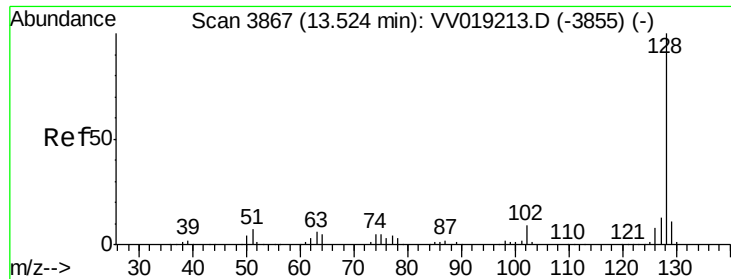
#70
 1,2,4-trichlorobenzene
 Concen: 0.710 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019214.D
 Acq: 02 Nov 2020 21:44

Tgt Ion:180 Resp: 1633
 Ion Ratio Lower Upper
 180 100
 182 113.0 76.6 114.8
 145 29.6 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

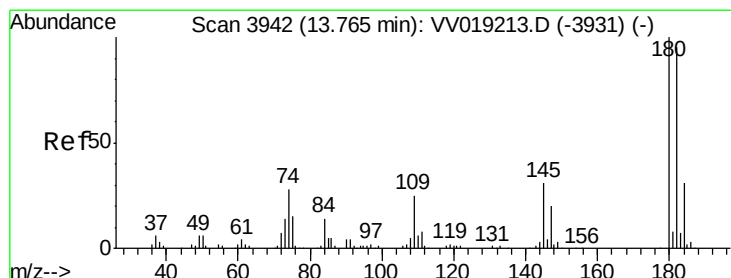
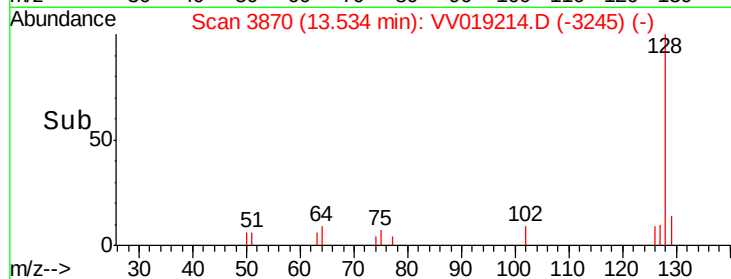
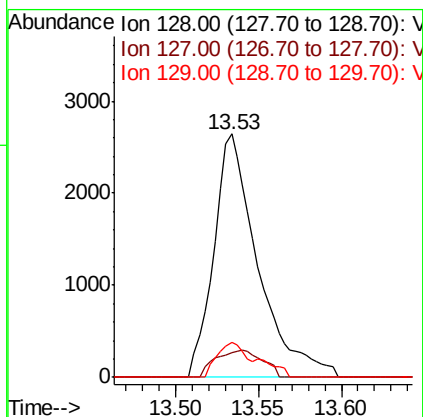
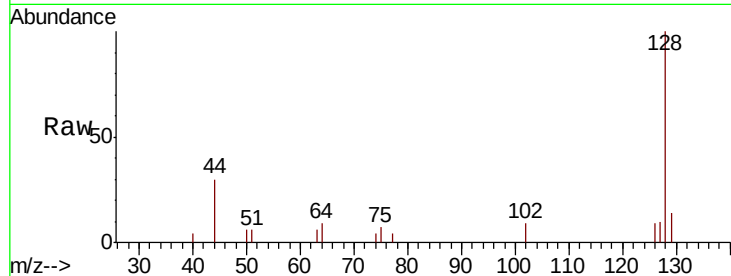




#71
Naphthalene
Concen: 0.750 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV019214.D
Acq: 02 Nov 2020 21:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 4865
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 9.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 0.783 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019214.D
Acq: 02 Nov 2020 21:44

Tgt Ion:180 Resp: 1787
Ion Ratio Lower Upper
180 100
182 103.4 77.4 116.0
145 22.7 24.7 37.1#

