

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017484.D
 Acq On : 14 Jul 2020 15:15
 Operator : SY/MD
 Sample : L3281-21
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY1

Quant Time: Jul 15 03:06:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:49:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	141238	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139730	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40049	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.58	69	33244	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	65180	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.93	46	85894	50.95	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.90%
24) Chloroform-d	4.38	84	87229	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.06	65	50097	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.08	84	157906	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.10	67	43245	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	146029	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	7.64	79	19380	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.11	63	53409	41.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26093	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	62122	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

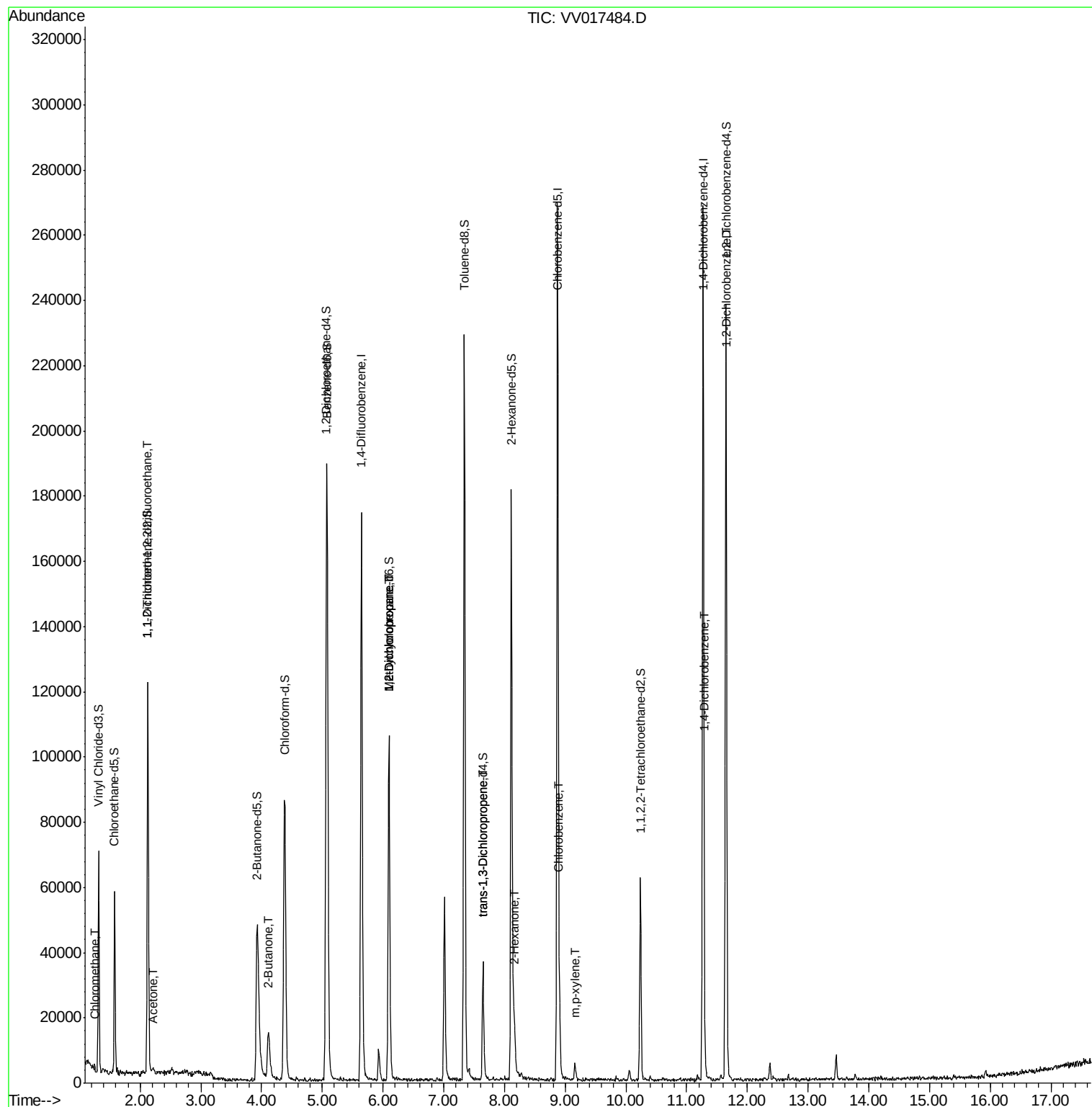
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1242	0.109	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	861	0.090	ug/L #	24
13) Acetone	2.21	43	1932	1.579	ug/L	82
21) 2-Butanone	4.11	43	23736	12.547	ug/L #	81
35) Methylcyclohexane	6.10	83	12229	0.732	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	6039	0.702	ug/L #	84
46) trans-1,3-Dichloropropene	7.65	75	1107	0.091	ug/L #	83
50) 2-Hexanone	8.16	43	8766	2.623	ug/L #	92
53) Chlorobenzene	8.91	112	10954	0.398	ug/L	97
55) m,p-xylene	9.16	106	1490	0.084	ug/L	63
64) 1,4-Dichlorobenzene	11.30	146	1504	0.071	ug/L #	89
66) 1,2-Dichlorobenzene	11.66	146	1646	0.085	ug/L #	83

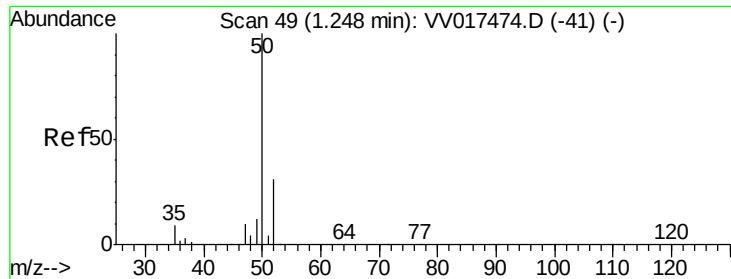
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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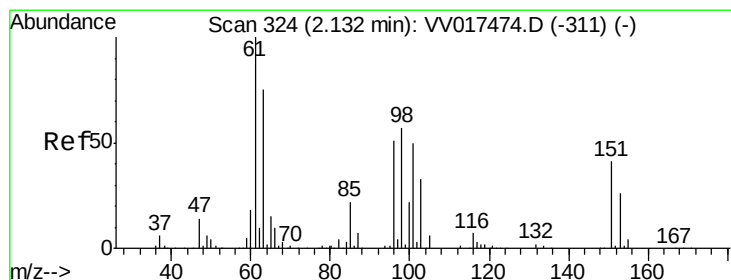
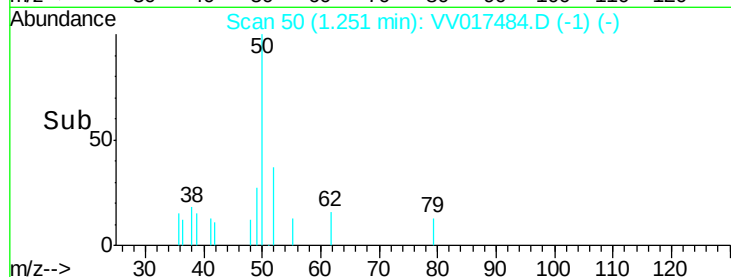
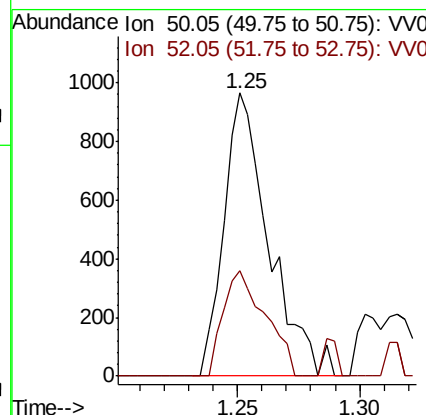
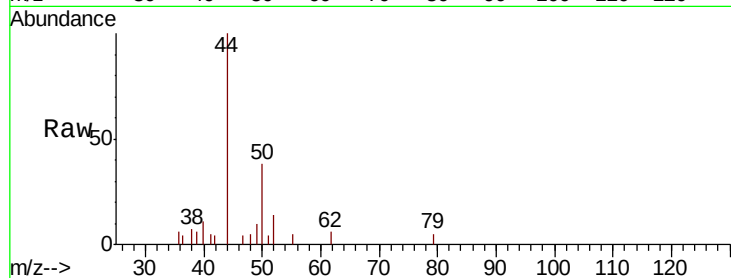




#3
Chloromethane
Concen: 0.109 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV017484.D
Acq: 14 Jul 2020 15:15

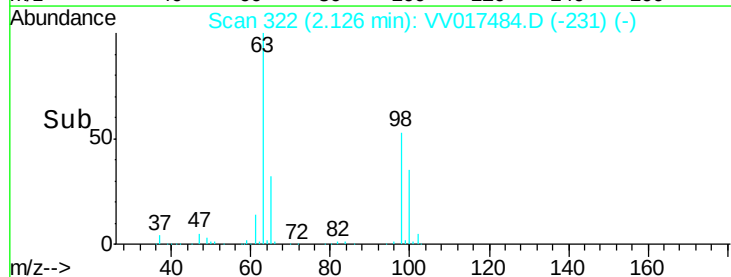
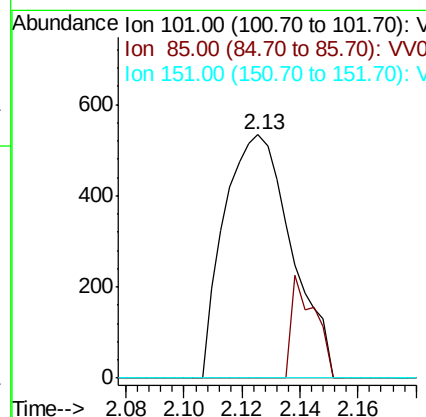
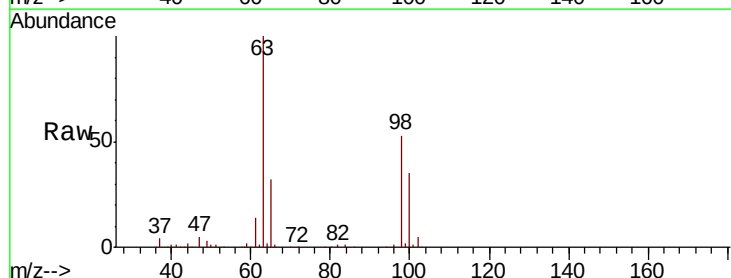
Instrument :
MSVOA_V
ClientSampled :
GAXY1

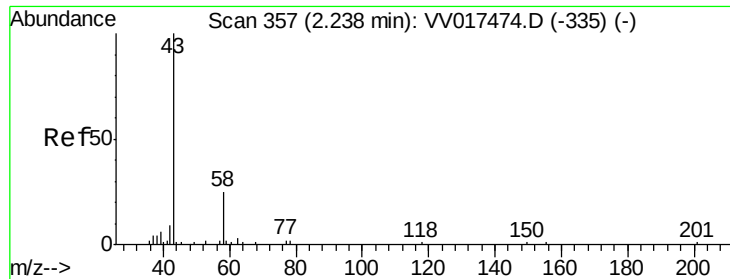
Tot Ion: 50 Resp: 1242
Ion Ratio Lower Upper
50 100
52 37.2 21.4 39.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.090 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV017484.D
Acq: 14 Jul 2020 15:15

Tgt Ion:101 Resp: 861
Ion Ratio Lower Upper
101 100
85 14.4 35.4 53.2#
151 0.0 66.5 99.7#





#13

Acetone

Concen: 1.579 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

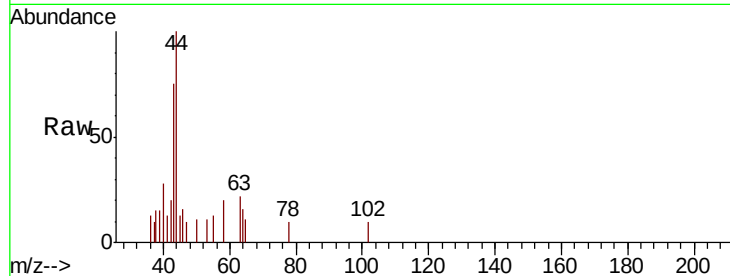
GAXY1

Tot Ion: 43 Resp: 1932

Ion Ratio Lower Upper

43 100

58 24.5 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

800

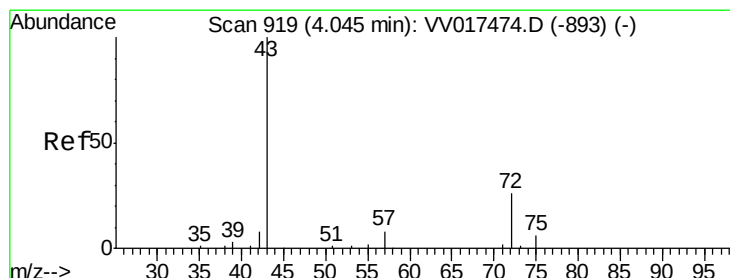
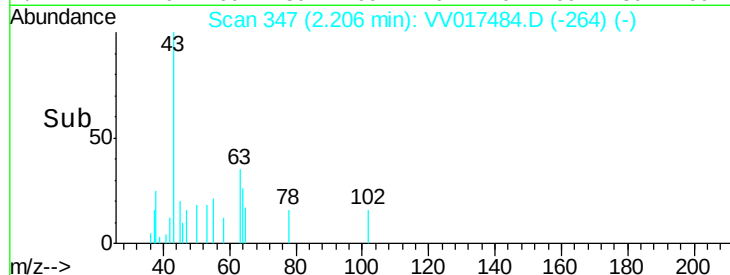
600

400

200

0

Time-->



#21

2-Butanone

Concen: 12.547 ug/L

RT: 4.11 min Scan# 939

Delta R.T. 0.06 min

Lab File: VV017484.D

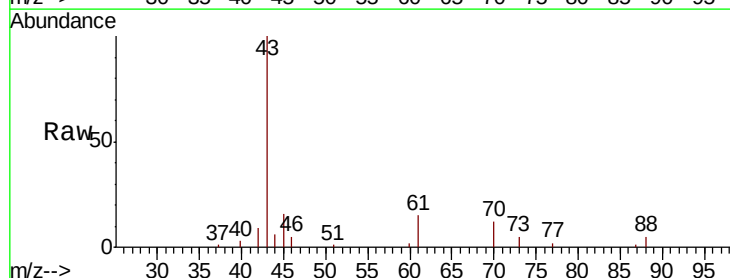
Acq: 14 Jul 2020 15:15

Tgt Ion: 43 Resp: 23736

Ion Ratio Lower Upper

43 100

72 0.3 3.4 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

4.11

8000

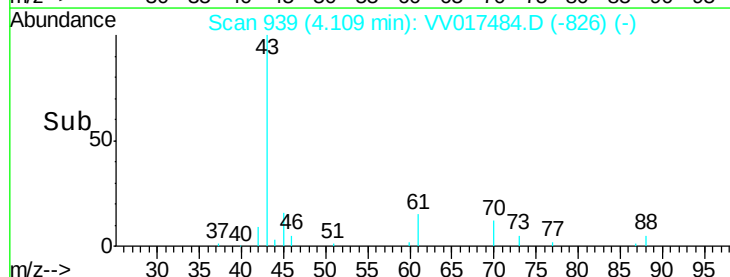
6000

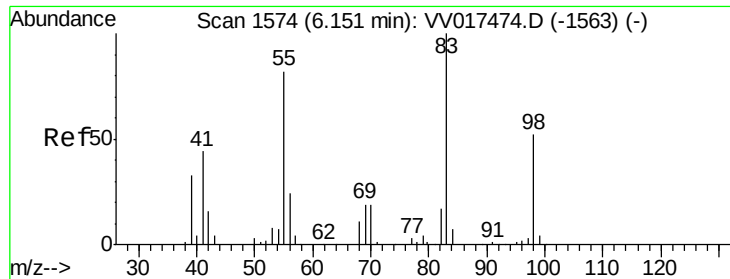
4000

2000

0

Time-->

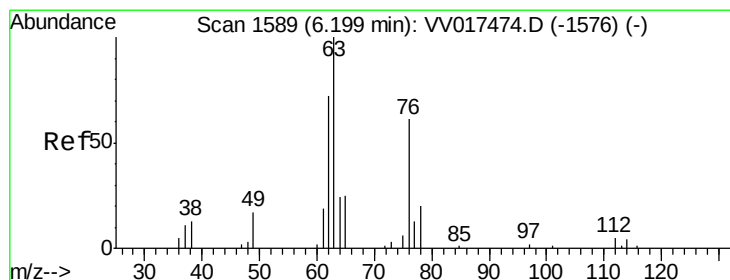
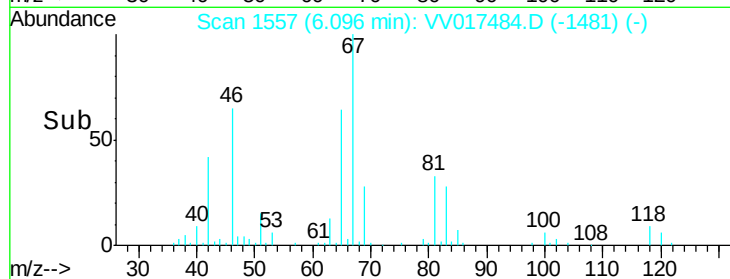
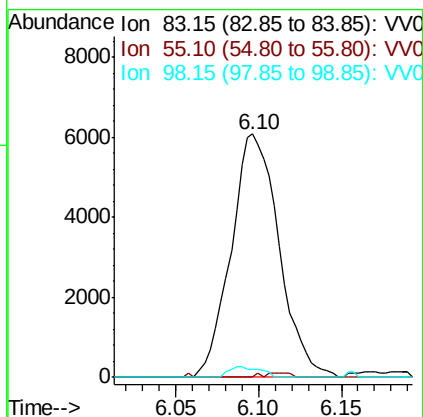
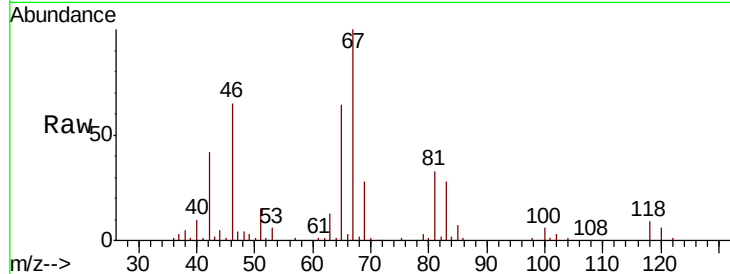




#35
Methylvlcyclohexane
Concen: 0.732 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017484.D
Acq: 14 Jul 2020 15:15

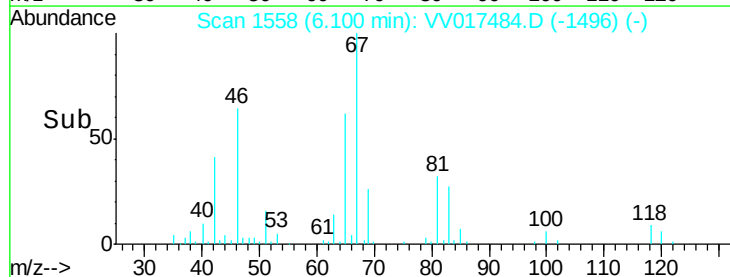
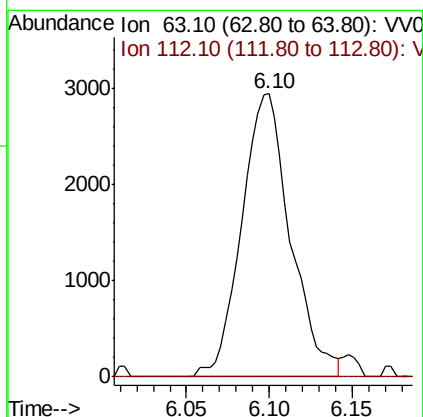
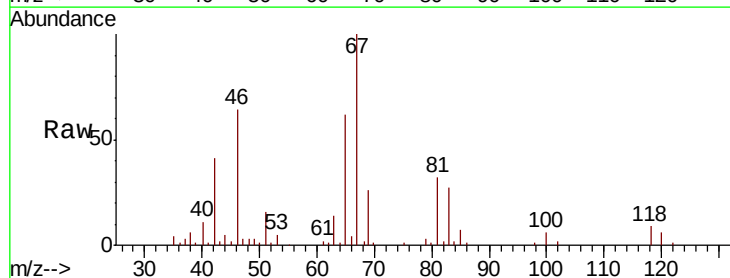
Instrument :
MSVOA_V
ClientSampleId :
GAXY1

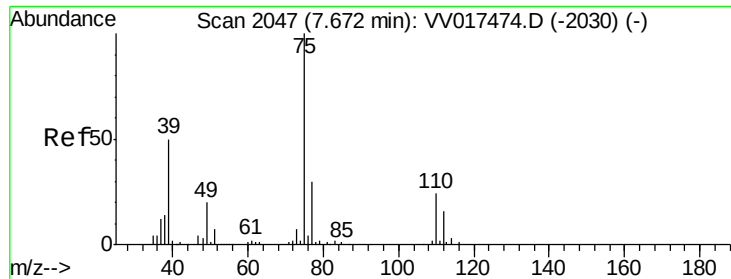
Tot Ion: 83 Resp: 12229
Ion Ratio Lower Upper
83 100
55 1.0 62.0 93.0#
98 2.9 41.4 62.2#



#37
1,2-Dichloropropane
Concen: 0.702 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV017484.D
Acq: 14 Jul 2020 15:15

Tgt Ion: 63 Resp: 6039
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#





#46

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

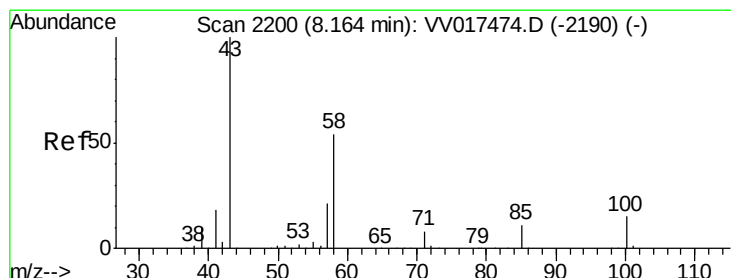
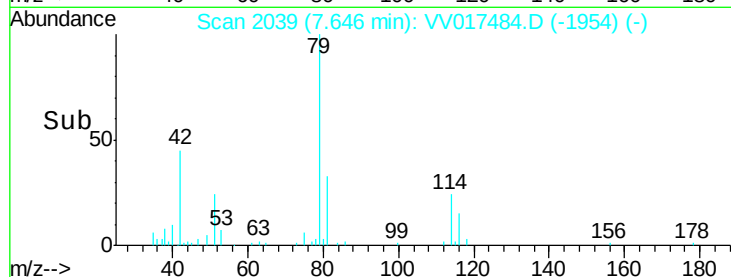
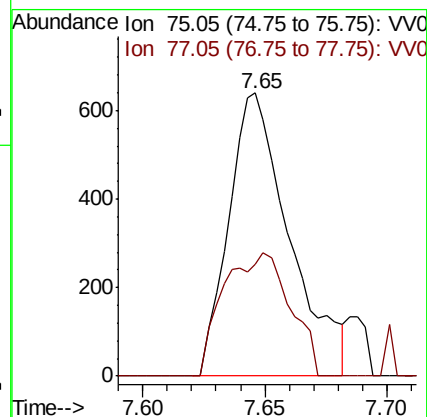
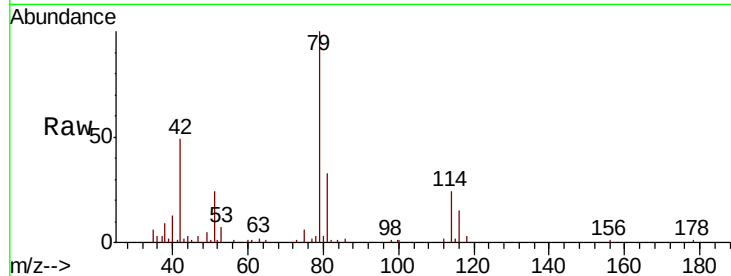
GAXY1

Tot Ion: 75 Resp: 1107

Ion Ratio Lower Upper

75 100

77 39.7 21.2 39.4#



#50

2-Hexanone

Concen: 2.623 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

Tgt Ion: 43 Resp: 8766

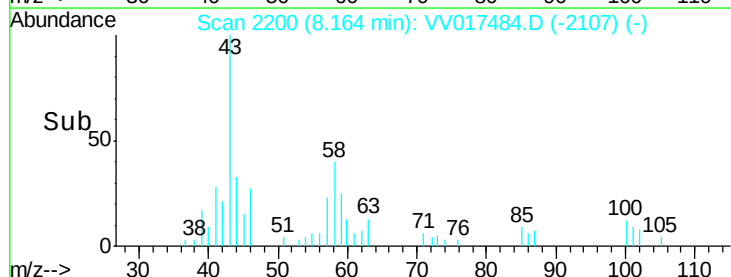
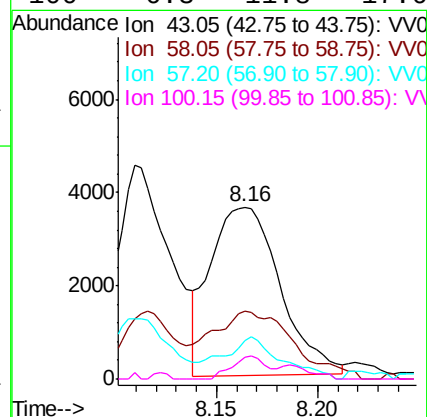
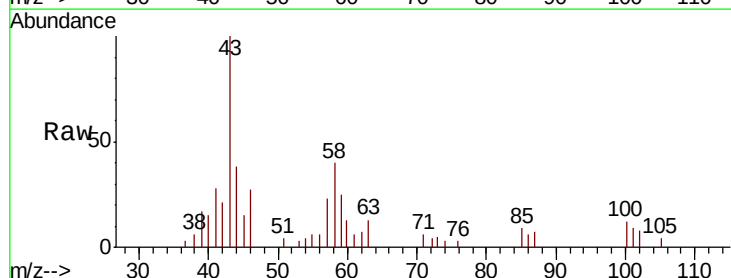
Ion Ratio Lower Upper

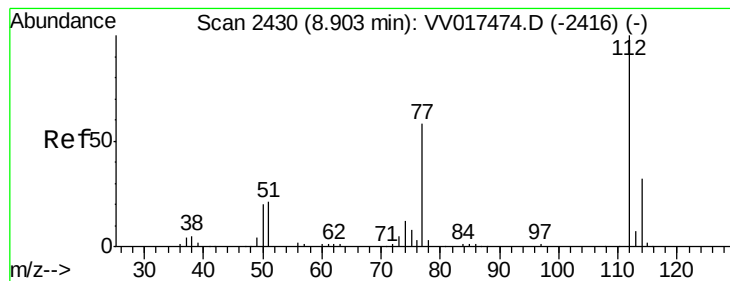
43 100

58 48.0 43.0 64.4

57 20.4 16.8 25.2

100 6.3 11.8 17.6#





#53

Chlorobenzene

Concen: 0.398 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

GAXY1

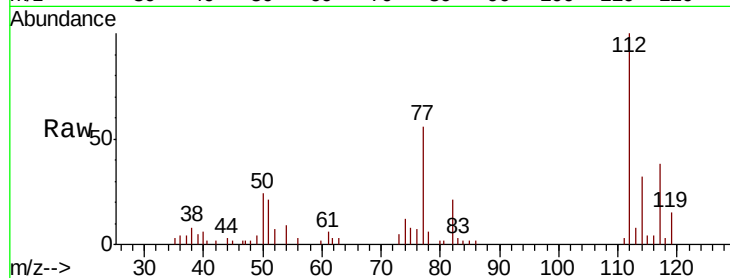
Tot Ion:112 Resp: 10954

Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

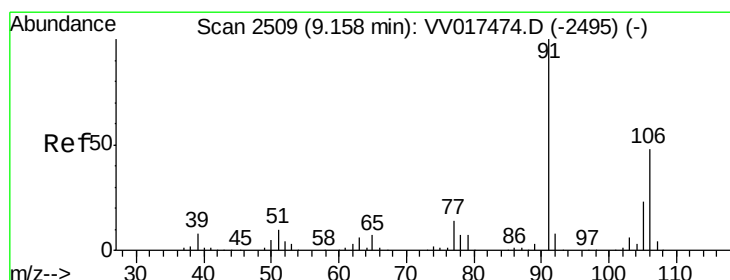
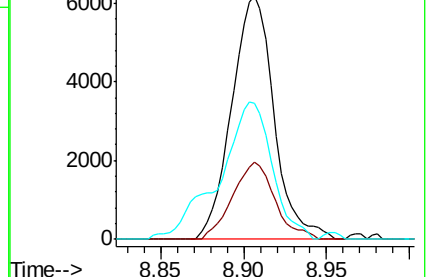
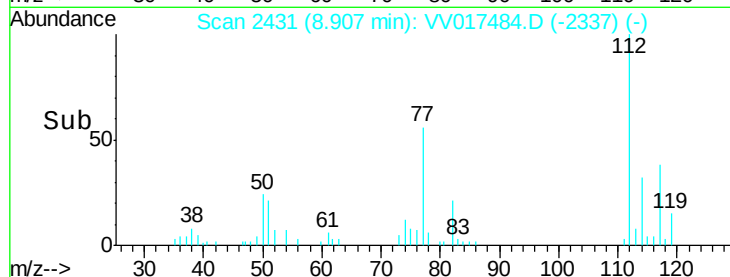
77 55.8 47.0 70.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#55

m,p-xylene

Concen: 0.084 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017484.D

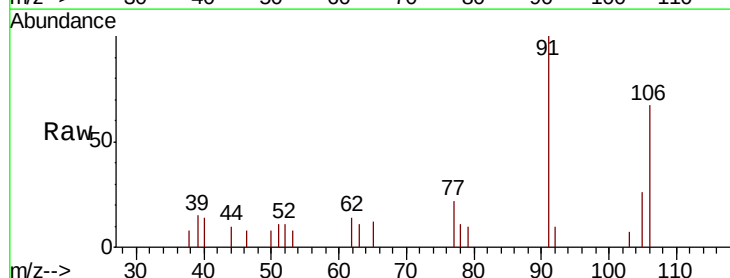
Acq: 14 Jul 2020 15:15

Tgt Ion:106 Resp: 1490

Ion Ratio Lower Upper

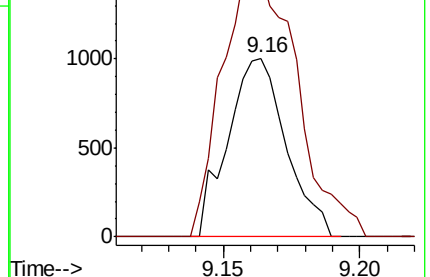
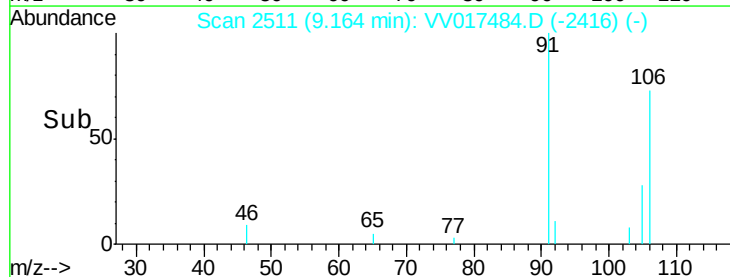
106 100

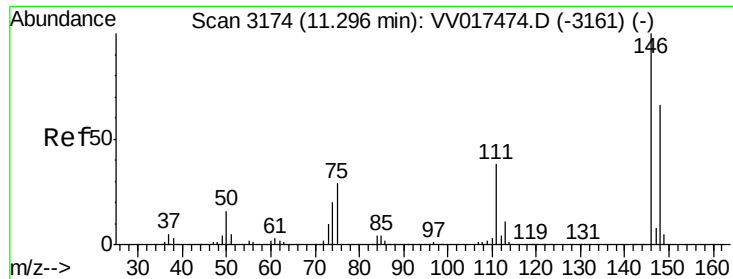
91 148.2 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#64

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

Instrument :

MSVOA_V

ClientSampled :

GAXY1

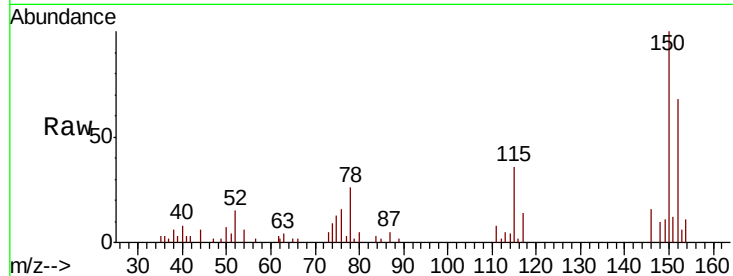
Tot Ion:146 Resp: 1504

Ion Ratio Lower Upper

146 100

111 54.4 26.9 50.1#

148 64.1 46.1 85.5



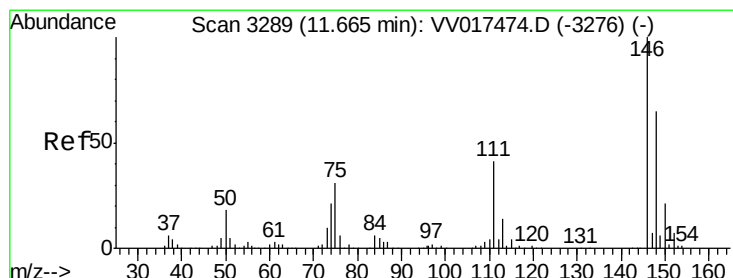
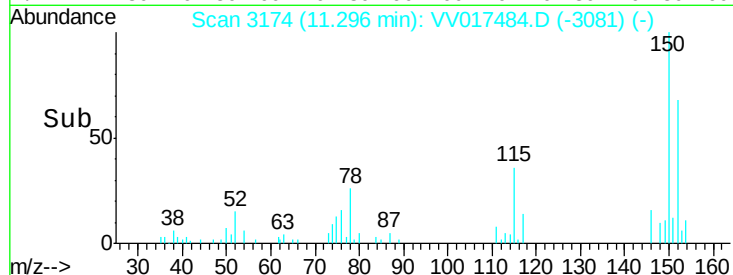
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.30

Time-->



#66

1,2-Dichlorobenzene

Concen: 0.085 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV017484.D

Acq: 14 Jul 2020 15:15

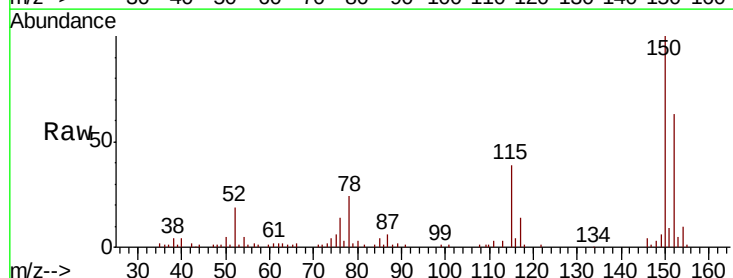
Tgt Ion:146 Resp: 1646

Ion Ratio Lower Upper

146 100

111 63.7 32.7 49.1#

148 69.2 52.3 78.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.66

Time-->

