

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017479.D
 Acq On : 14 Jul 2020 13:19
 Operator : SY/MD
 Sample : L3281-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXW3

Quant Time: Jul 15 03:05:23 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	141228	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	138183	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68734	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40319	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	32346	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.13	63	64943	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.92	46	85045	50.45	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.90%
24) Chloroform-d	4.38	84	84731	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	48597	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.07	84	156337	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	41585	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.34	98	144309	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
45) trans-1,3-Dichloropropene-	7.64	79	19410	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
48) 2-Hexanone-d5	8.11	63	61196	47.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29573	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	60162	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	650	0.077	ug/L #	1
13) Acetone	2.20	43	7546	6.166	ug/L	79
14) Carbon disulfide	2.31	76	1795	0.068	ug/L #	85
35) Methylcyclohexane	6.10	83	12486	0.756	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6118	0.719	ug/L #	89
39) cis-1,3-Dichloropropene	7.01	75	1563	0.114	ug/L	97
42) Toluene	7.41	91	7657	0.189	ug/L	92
43) 1,3,5-Trimethylbenzene	10.94	105	1522	0.038	ug/L	99
46) trans-1,3-Dichloropropene	7.64	75	1029	0.085	ug/L #	72
50) 2-Hexanone	8.16	43	2655	0.803	ug/L #	86
54) Ethylbenzene	9.04	91	5120	0.110	ug/L	99
55) m,p-xylene	9.17	106	1905	0.108	ug/L	61
64) 1,4-Dichlorobenzene	11.29	146	1404	0.066	ug/L	86
66) 1,2-Dichlorobenzene	11.67	146	1480	0.076	ug/L #	73
70) Naphthalene	13.54	128	1649	0.082	ug/L #	90
71) 1,2,3-Trichlorobenzene	13.77	180	2703	0.220	ug/L #	83

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Quant Time: Jul 15 03:05:23 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

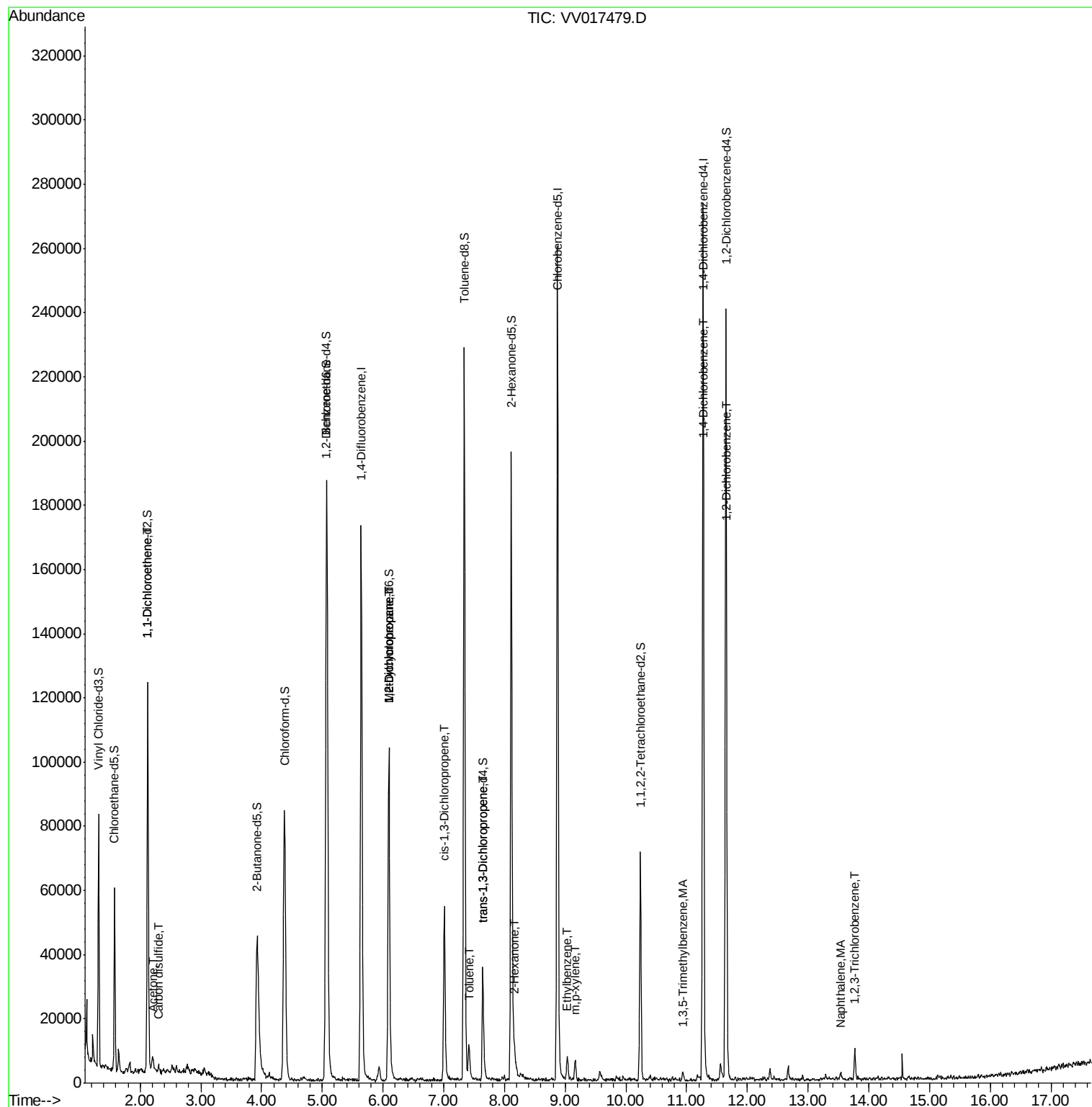
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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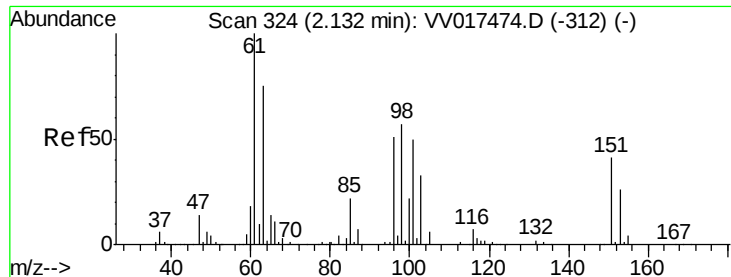
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampled :

GAXW3

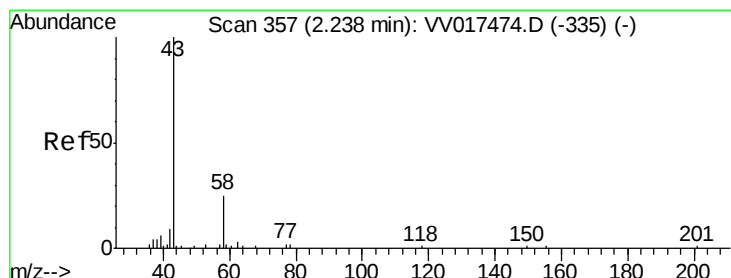
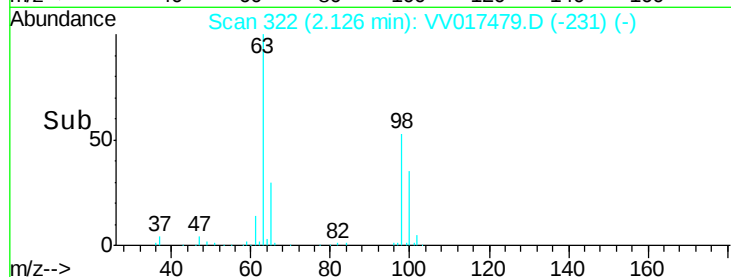
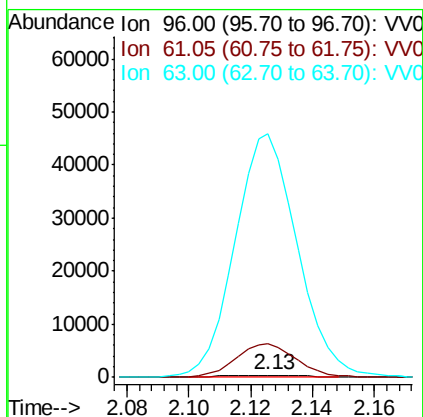
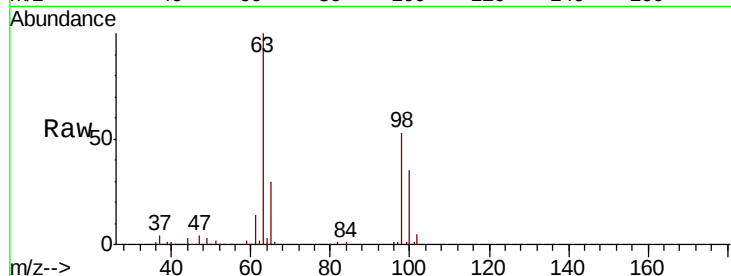
Tot Ion: 96 Resp: 650

Ion Ratio Lower Upper

96 100

61 1556.1 137.2 254.8#

63 11384.6 103.6 192.4#



#13

Acetone

Concen: 6.166 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.04 min

Lab File: VV017479.D

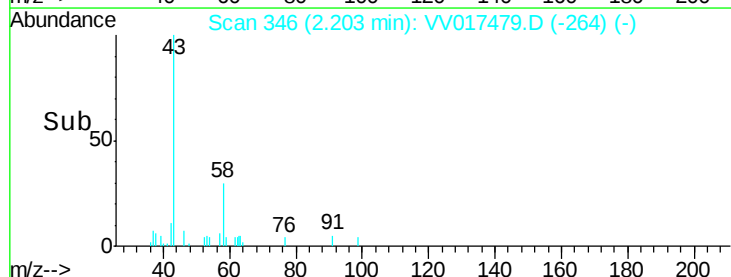
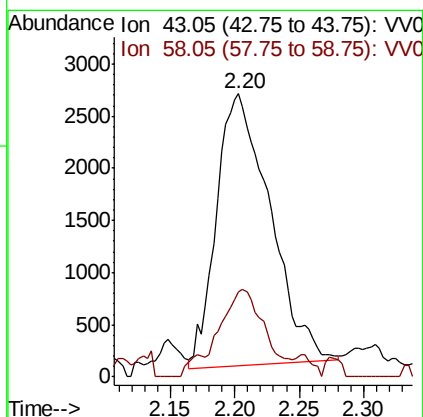
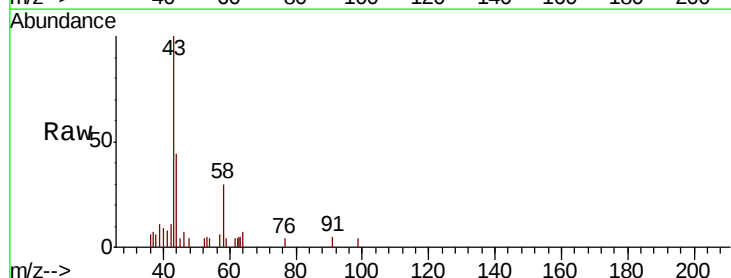
Acq: 14 Jul 2020 13:19

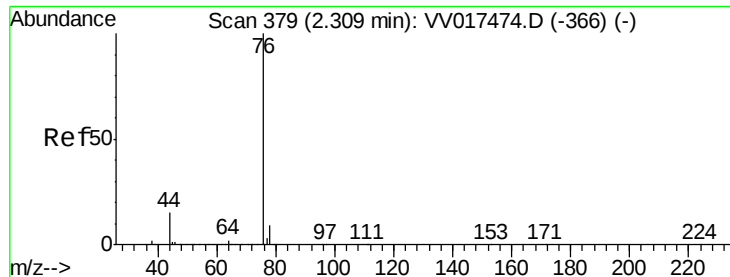
Tgt Ion: 43 Resp: 7546

Ion Ratio Lower Upper

43 100

58 26.0 0.0 33.6





#14

Carbon disulfide

Concen: 0.068 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampleId :

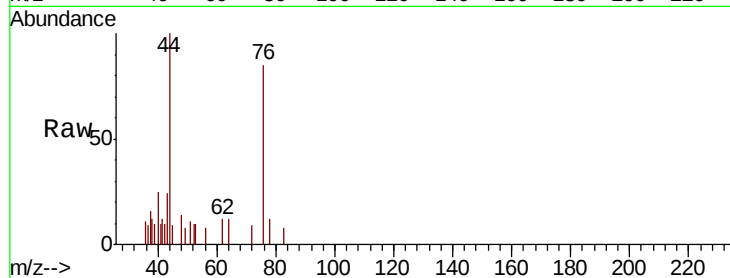
GAXW3

Tot Ion: 76 Resp: 1795

Ion Ratio Lower Upper

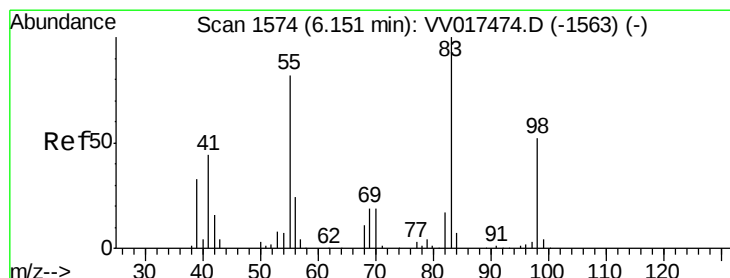
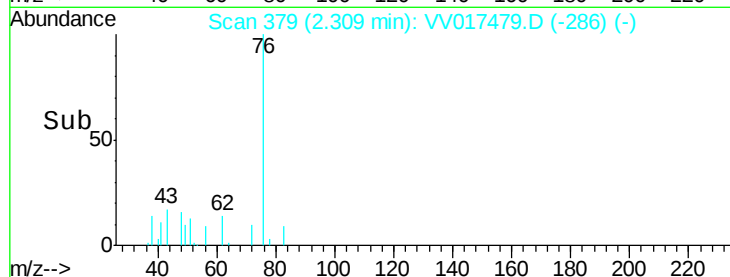
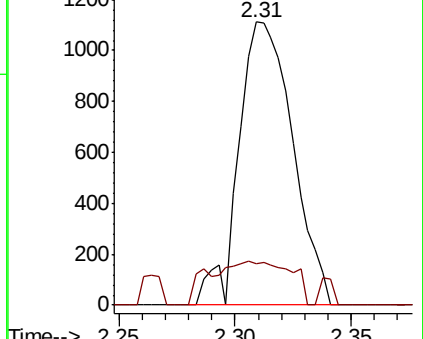
76 100

78 14.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 0.756 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

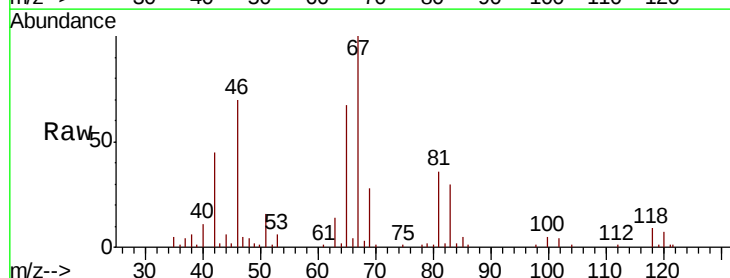
Tgt Ion: 83 Resp: 12486

Ion Ratio Lower Upper

83 100

55 0.2 62.0 93.0#

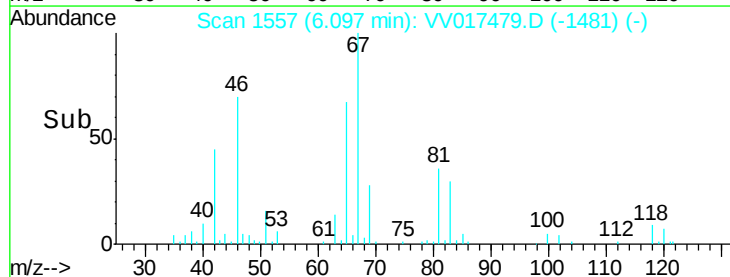
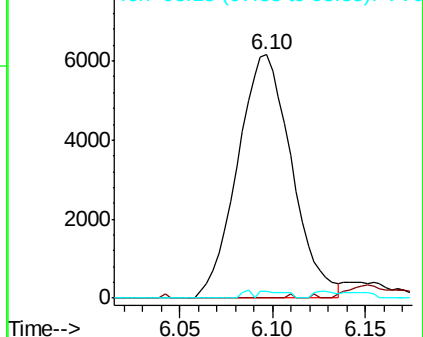
98 1.4 41.4 62.2#

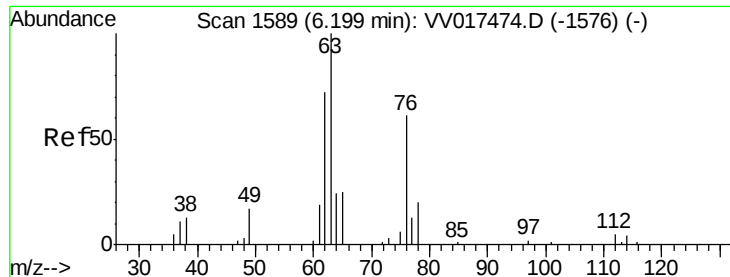


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

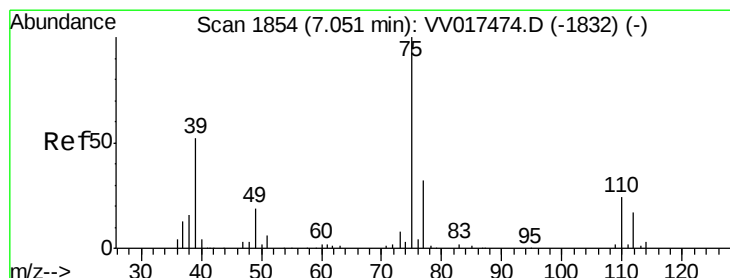
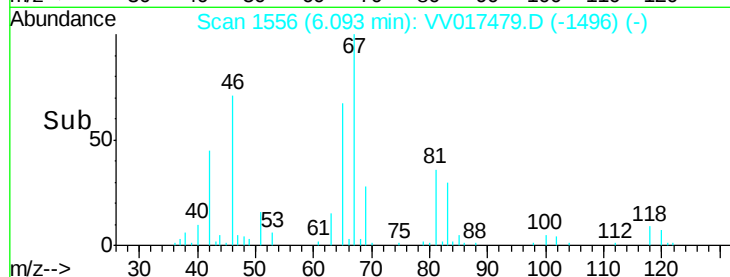
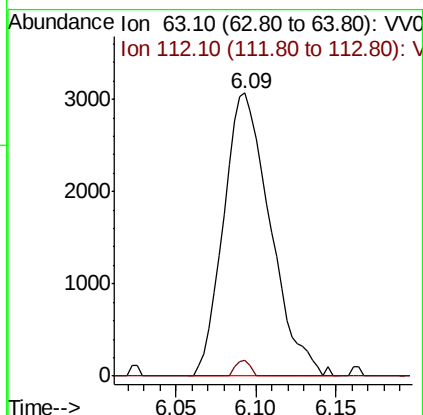
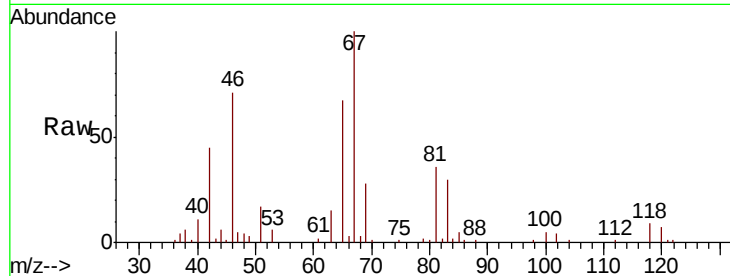




#37
 1,2-Dichloropropane
 Concen: 0.719 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV017479.D
 Acq: 14 Jul 2020 13:19

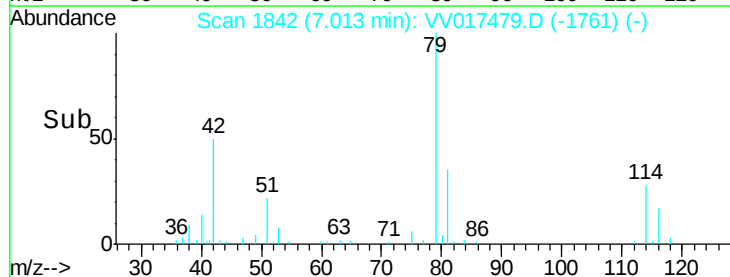
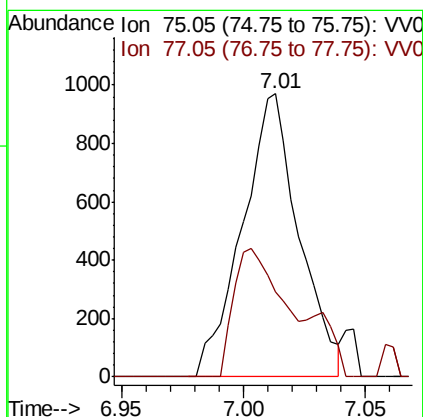
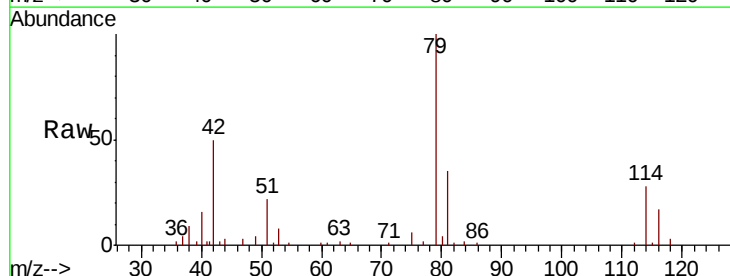
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXW3

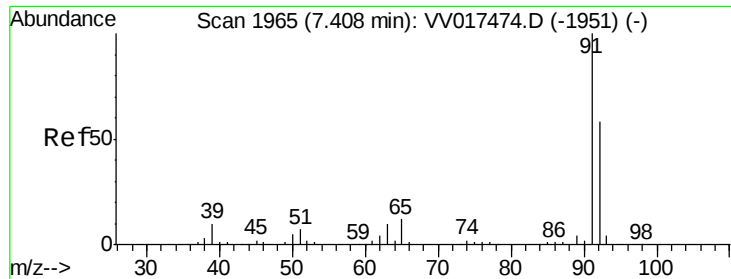
Tot Ion: 63 Resp: 6118
 Ion Ratio Lower Upper
 63 100
 112 1.7 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017479.D
 Acq: 14 Jul 2020 13:19

Tgt Ion: 75 Resp: 1563
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.5





#42

Toluene

Concen: 0.189 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampleId :

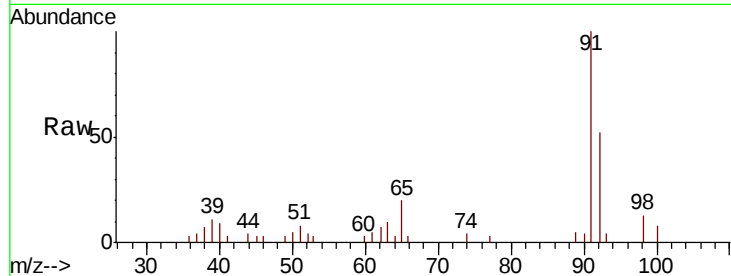
GAXW3

Tot Ion: 91 Resp: 7657

Ion Ratio Lower Upper

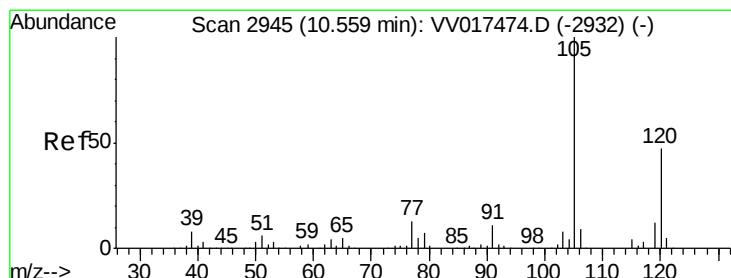
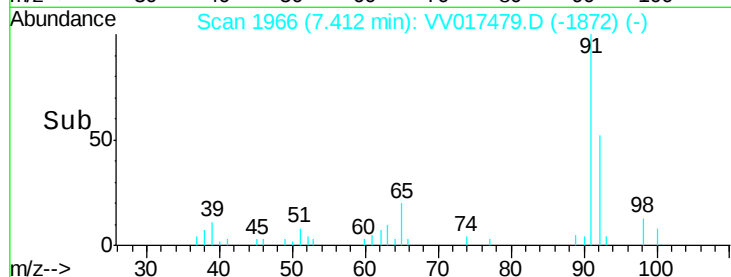
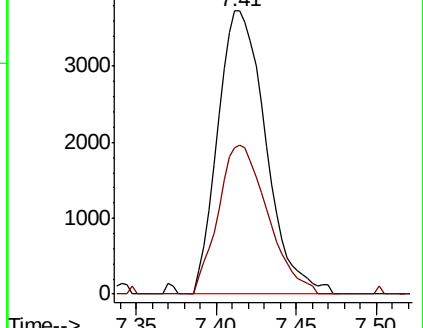
91 100

92 51.9 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV017474.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017474.D (-1951) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.038 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.38 min

Lab File: VV017479.D

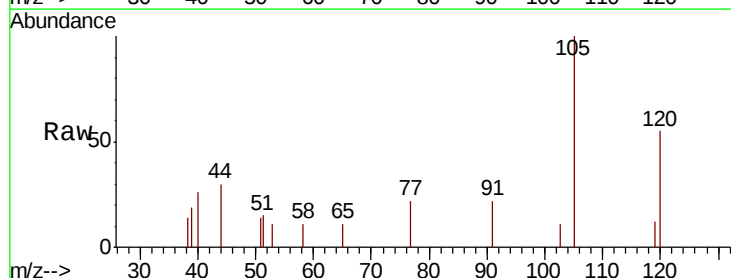
Acq: 14 Jul 2020 13:19

Tgt Ion:105 Resp: 1522

Ion Ratio Lower Upper

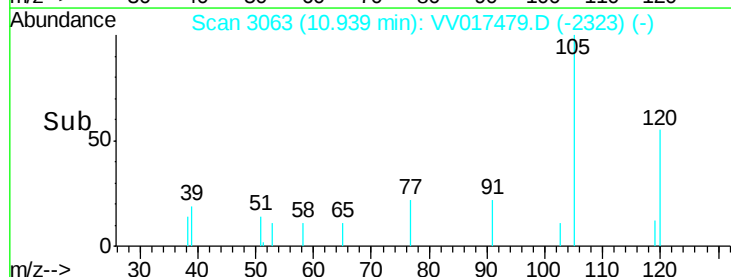
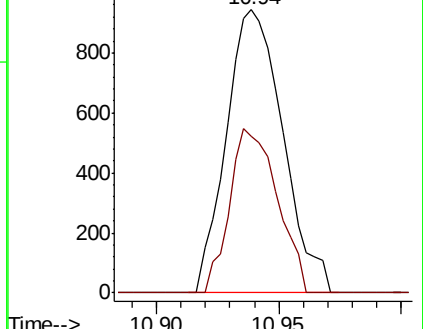
105 100

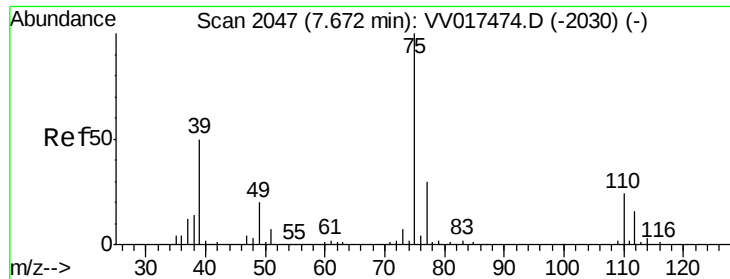
120 48.8 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): VV017474.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017474.D (-2932) (-)





#46

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampleId :

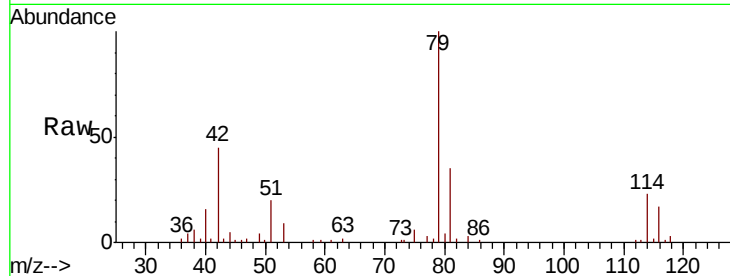
GAXW3

Tot Ion: 75 Resp: 1029

Ion Ratio Lower Upper

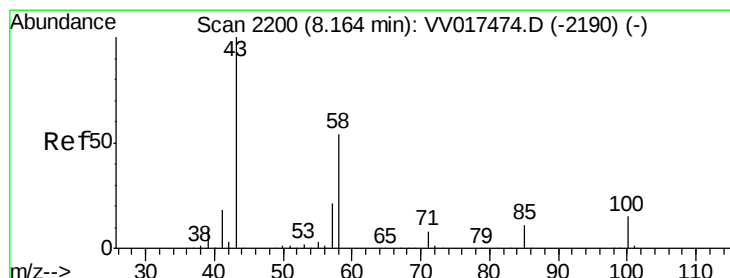
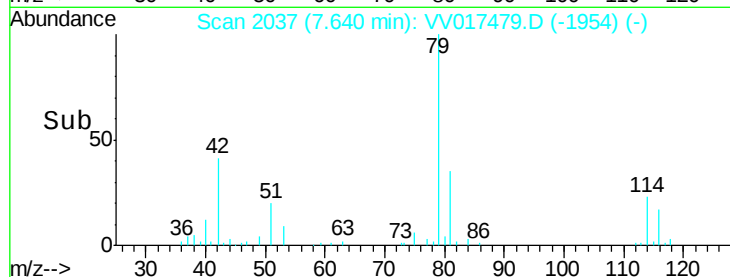
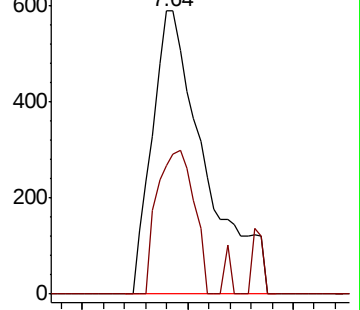
75 100

77 45.4 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 0.803 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Tgt Ion: 43 Resp: 2655

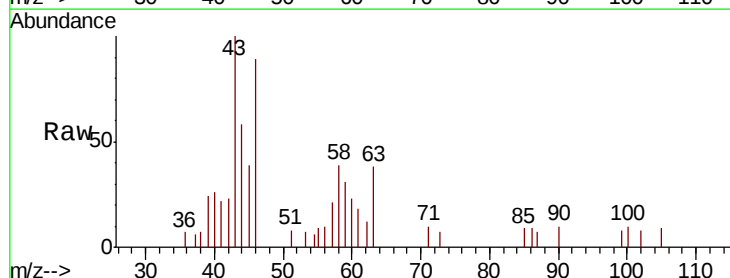
Ion Ratio Lower Upper

43 100

58 58.3 43.0 64.4

57 7.8 16.8 25.2#

100 5.0 11.8 17.6#

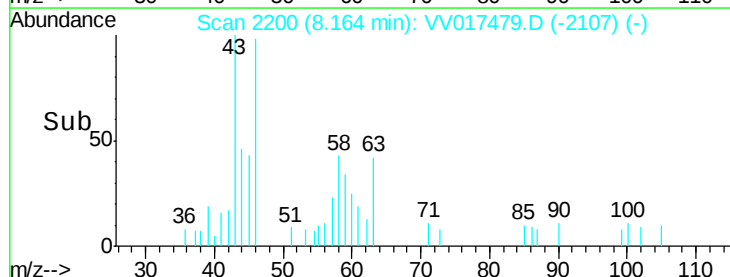
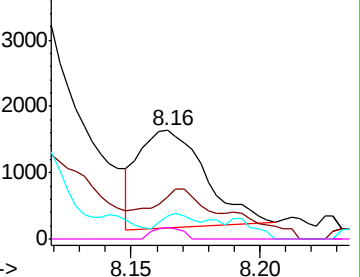


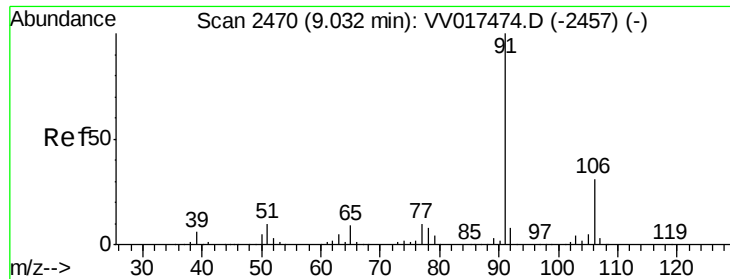
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#54

Ethylbenzene

Concen: 0.110 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampled :

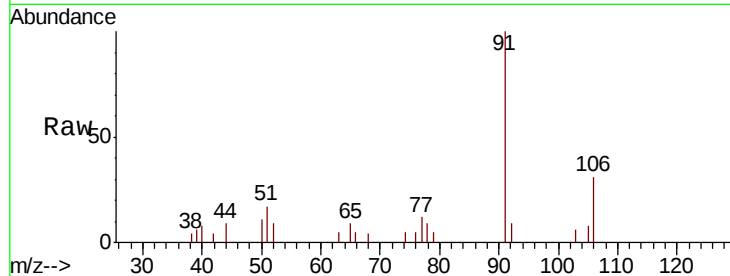
GAXW3

Tot Ion: 91 Resp: 5120

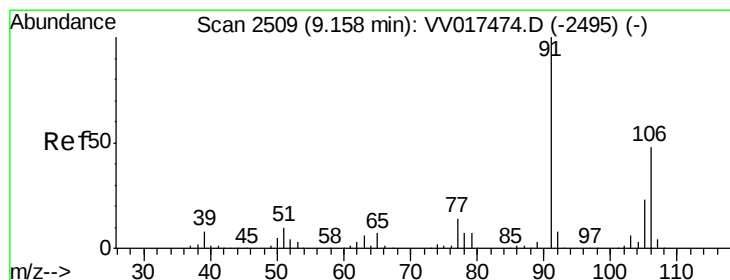
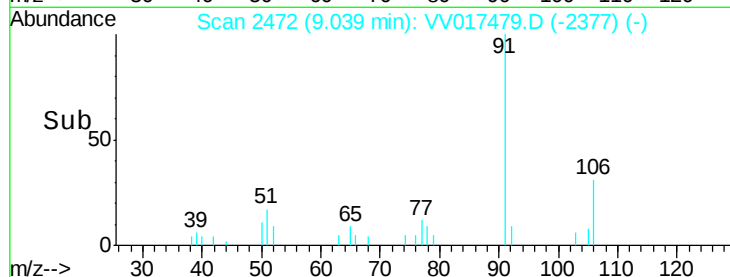
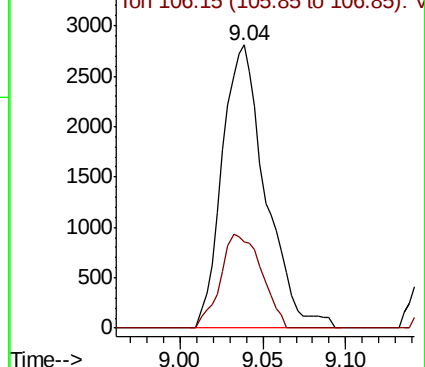
Ion Ratio Lower Upper

91 100

106 30.7 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV0



#55

m,p-xylene

Concen: 0.108 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.01 min

Lab File: VV017479.D

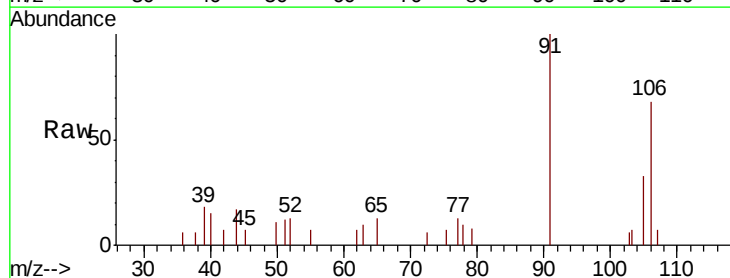
Acq: 14 Jul 2020 13:19

Tgt Ion: 106 Resp: 1905

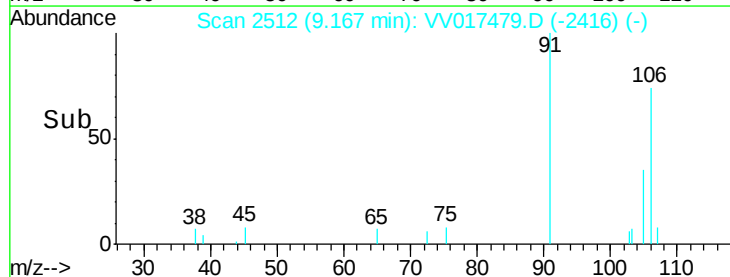
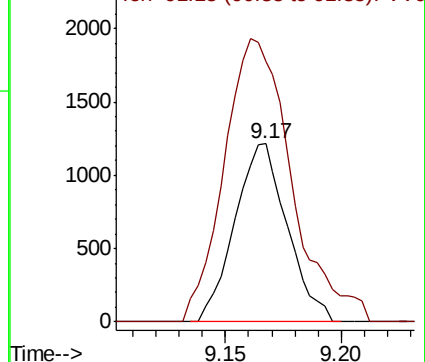
Ion Ratio Lower Upper

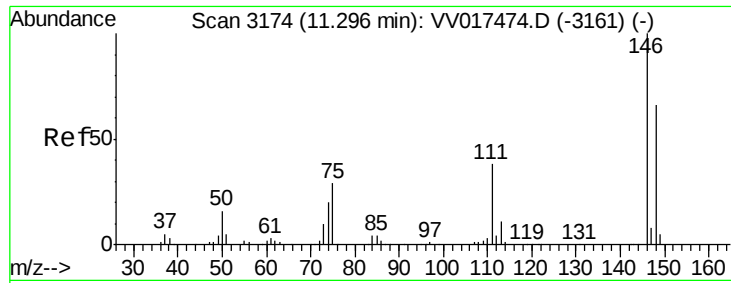
106 100

91 146.3 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V





#64

1,4-Dichlorobenzene

Concen: 0.066 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. -0.01 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampled :

GAXW3

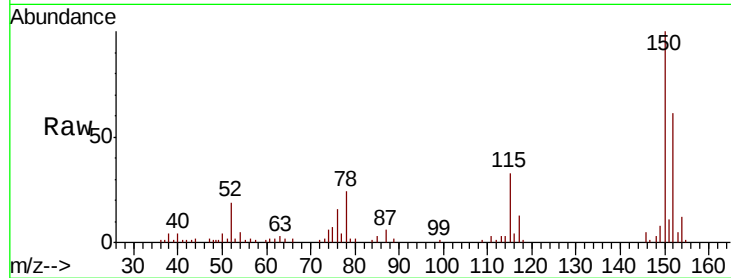
Tot Ion:146 Resp: 1404

Ion Ratio Lower Upper

146 100

111 46.1 26.9 50.1

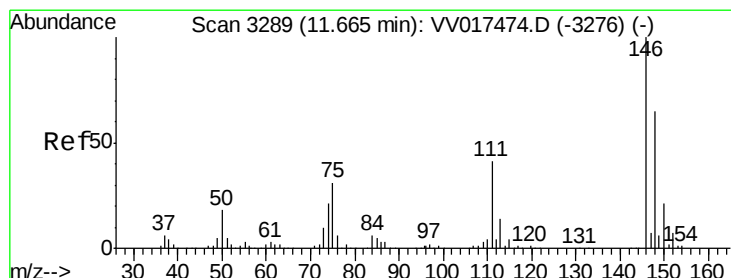
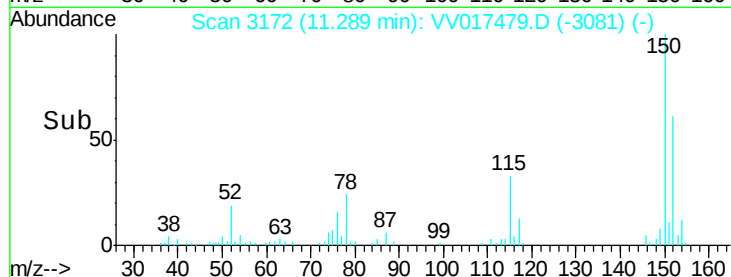
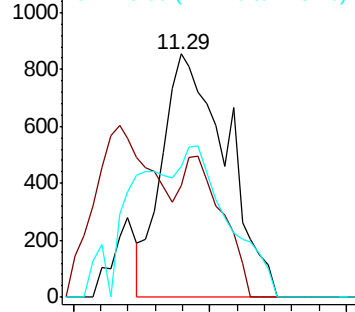
148 53.7 46.1 85.5



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



#66

1,2-Dichlorobenzene

Concen: 0.076 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

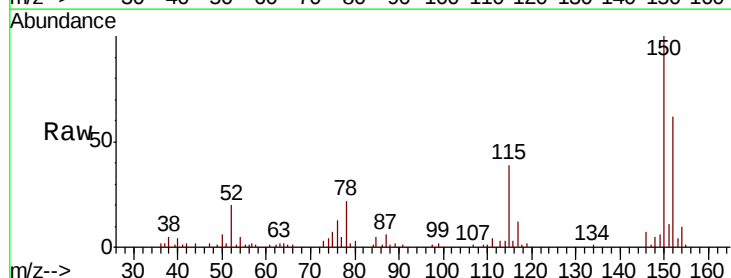
Tgt Ion:146 Resp: 1480

Ion Ratio Lower Upper

146 100

111 63.7 32.7 49.1#

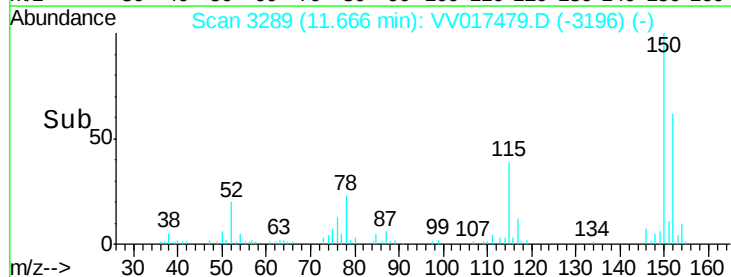
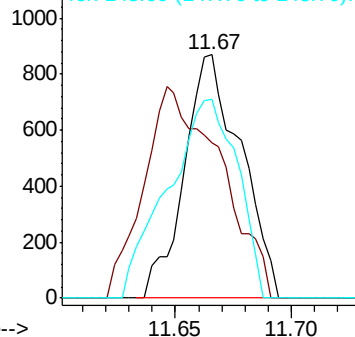
148 81.7 52.3 78.5#

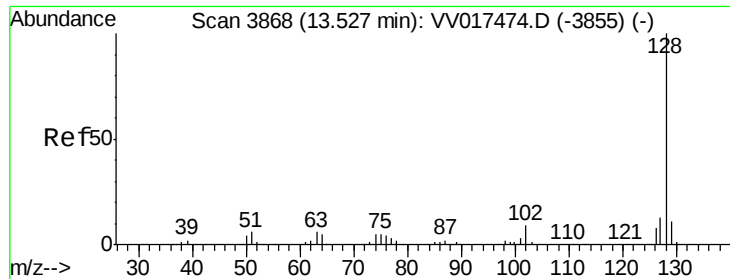


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#70

Naphthalene

Concen: 0.082 ug/L

RT: 13.54 min Scan# 3871

Delta R.T. 0.01 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

Instrument :

MSVOA_V

ClientSampleId :

GAXW3

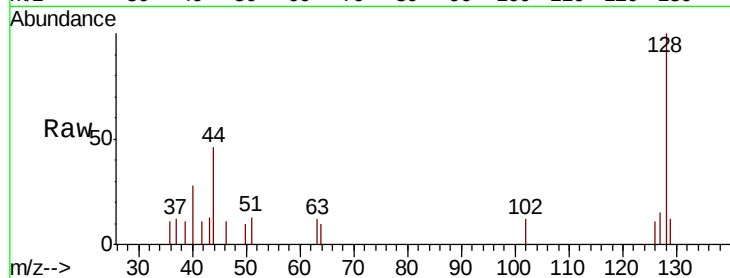
Tot Ion:128 Resp: 1649

Ion Ratio Lower Upper

128 100

129 4.1 8.5 12.7#

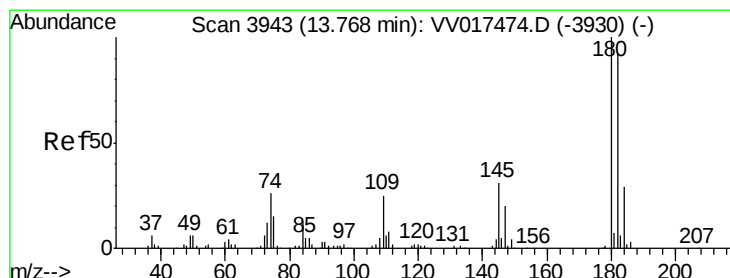
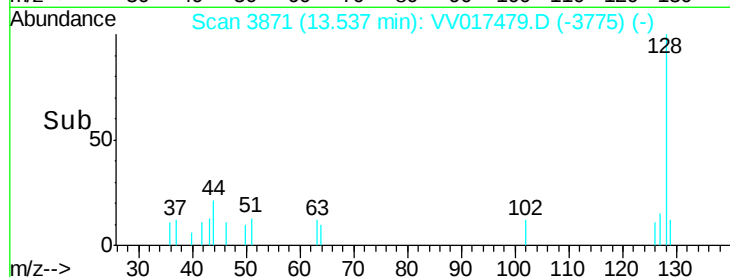
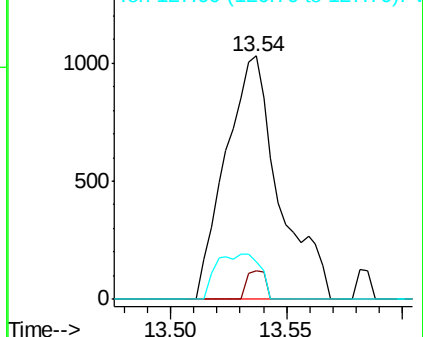
127 15.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.220 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017479.D

Acq: 14 Jul 2020 13:19

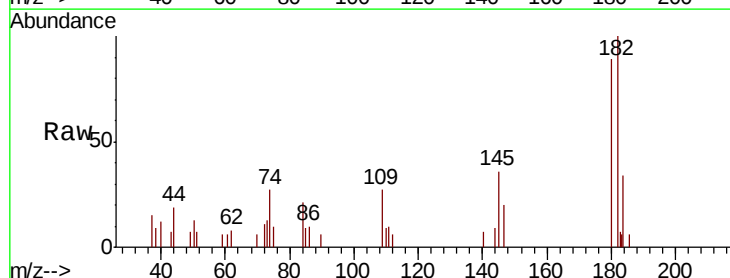
Tgt Ion:180 Resp: 2703

Ion Ratio Lower Upper

180 100

182 108.8 74.0 111.0

145 42.7 26.0 39.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

