

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
 Data File : VV071509.D
 Acq On : 15 Jul 2020 14:41
 Operator : SY/MD
 Sample : L3281-20DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0DL

Quant Time: Jul 16 01:32:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 16 01:29:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	139942	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135413	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36589	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	40787	6.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.00%
11) 1,1-Dichloroethene-d2	2.12	63	71858	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.92	46	85799	51.37	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.74%
24) Chloroform-d	4.37	84	80722	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.06	65	47445	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.07	84	147843	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.10	67	41907	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.33	98	134491	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
45) trans-1,3-Dichloropropene-	7.64	79	19184	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.11	63	59286	47.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29267	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	61021	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	791	0.083	ug/L #	18
13) Acetone	2.21	43	5061	4.174	ug/L	86
14) Carbon disulfide	2.32	76	2968	0.114	ug/L #	80
16) Methylene chloride	2.52	84	18862	1.860	ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	70801	7.234	ug/L	100
25) Chloroform	4.41	83	4258	0.226	ug/L	91
30) Cyclohexane	4.69	56	3485	0.239	ug/L #	17
35) Methylcyclohexane	6.15	83	5677	0.351	ug/L	95
37) 1,2-Dichloropropane	6.09	63	5936	0.712	ug/L #	85
42) Toluene	7.41	91	4023	0.101	ug/L	96
43) 1,3,5-Trimethylbenzene	10.56	105	12806	0.324	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	46249	1.176	ug/L	98
46) trans-1,3-Dichloropropene	7.64	75	1062	0.090	ug/L #	81
50) 2-Hexanone	8.17	43	3056	0.943	ug/L #	87
54) Ethylbenzene	9.04	91	19688	0.432	ug/L	99
55) m,p-xylene	9.16	106	25456	1.478	ug/L	98
56) o-xylene	9.57	106	1379	0.083	ug/L	85

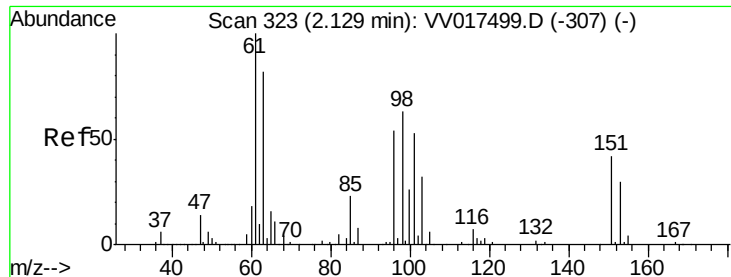
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
Data File : VV017509.D
Acq On : 15 Jul 2020 14:41
Operator : SY/MD
Sample : L3281-20DL 4X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAXY0DL

Quant Time: Jul 16 01:32:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 16 01:29:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) Isopropylbenzene	9.95	105	2997	0.064	ug/L #	90
70) Naphthalene	13.53	128	5726	0.265	ug/L	96

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



#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

GAXY0DL

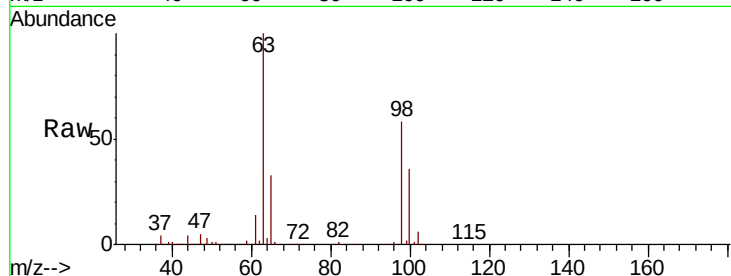
Tot Ion:101 Resp: 791

Ion Ratio Lower Upper

101 100

85 2.7 35.4 53.2#

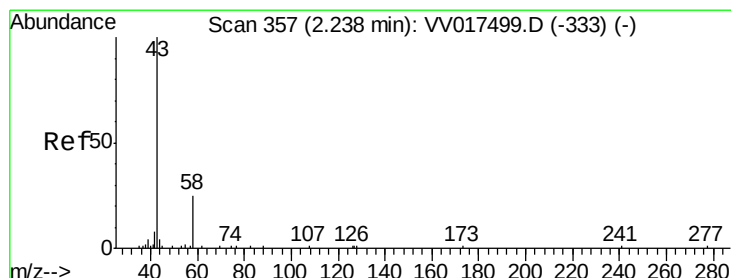
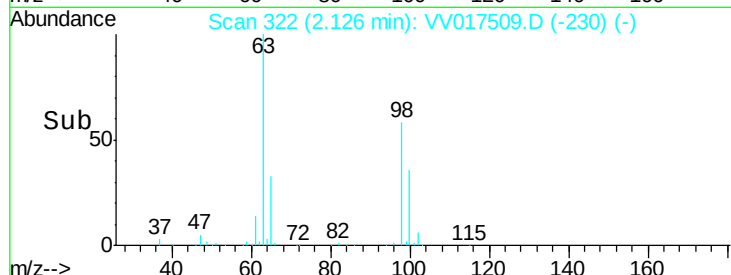
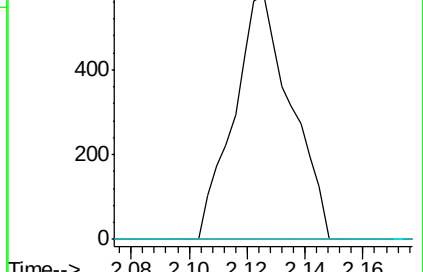
151 0.0 66.5 99.7#



Abundance Ion 101.00 (100.70 to 101.70): VV017499.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV017499.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV017499.D (-307) (-)



#13

Acetone

Concen: 4.174 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV017509.D

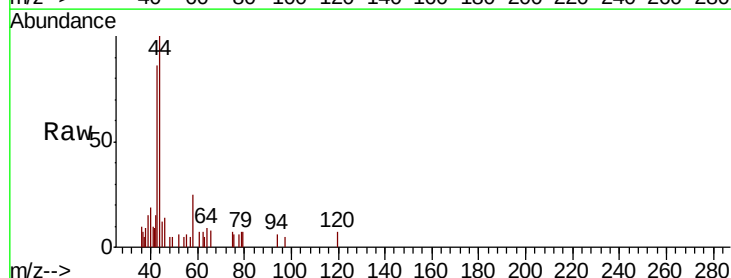
Acq: 15 Jul 2020 14:41

Tgt Ion: 43 Resp: 5061

Ion Ratio Lower Upper

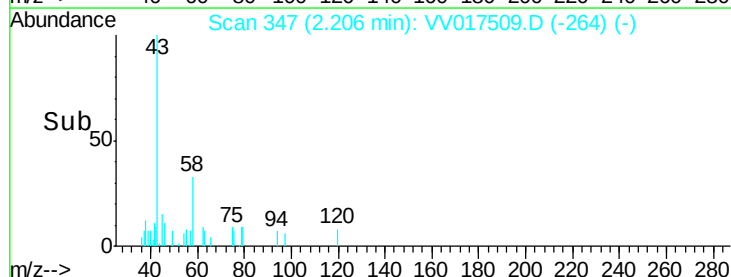
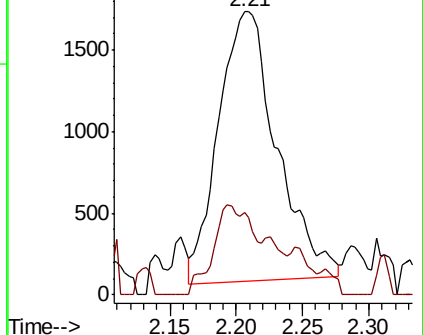
43 100

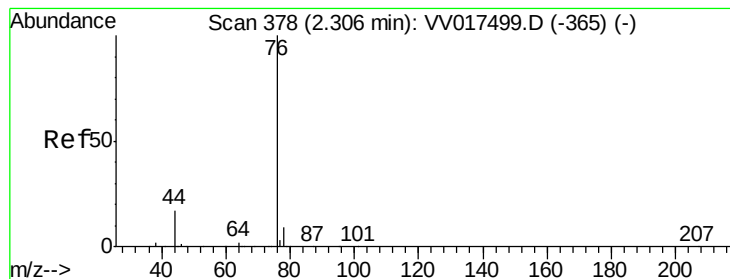
58 22.8 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV017499.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV017499.D (-333) (-)





#14

Carbon disulfide

Concen: 0.114 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

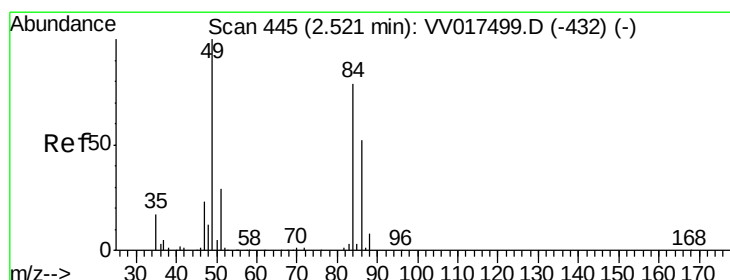
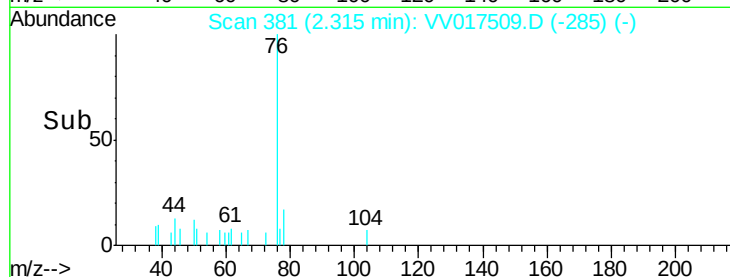
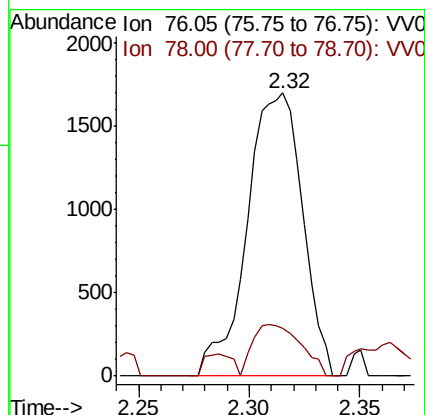
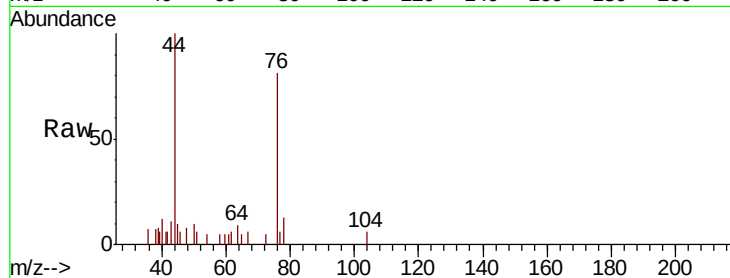
GAXY0DL

Tot Ion: 76 Resp: 2968

Ion Ratio Lower Upper

76 100

78 16.7 7.5 11.3#



#16

Methylene chloride

Concen: 1.860 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

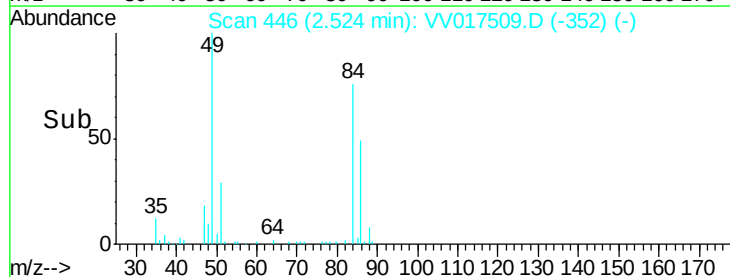
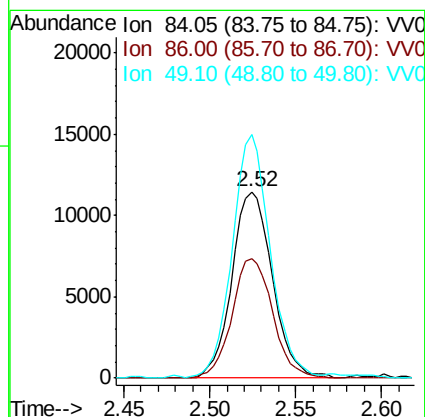
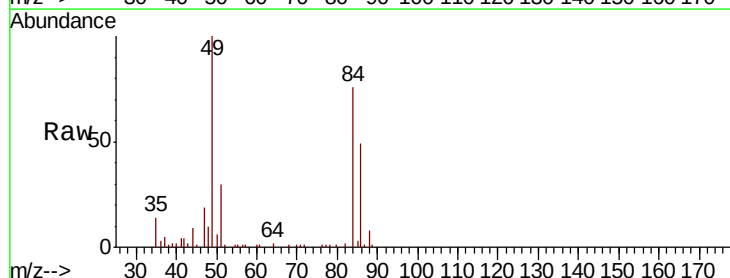
Tgt Ion: 84 Resp: 18862

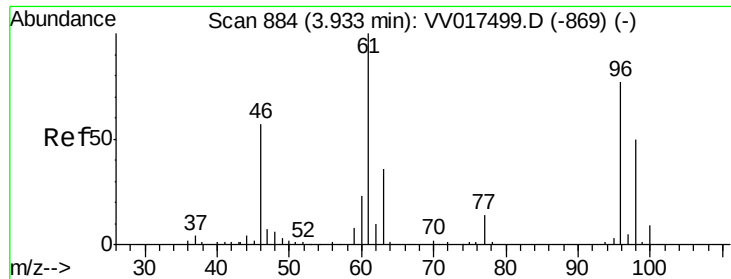
Ion Ratio Lower Upper

84 100

86 64.4 45.5 84.5

49 130.7 84.6 157.0



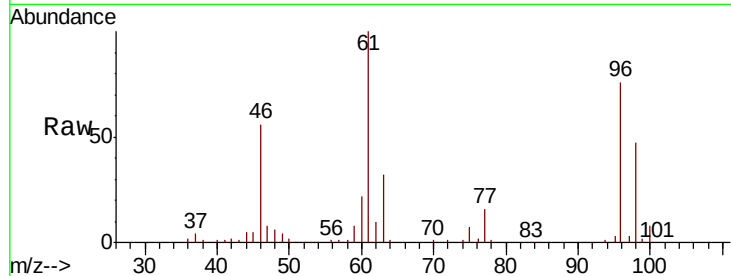


#22

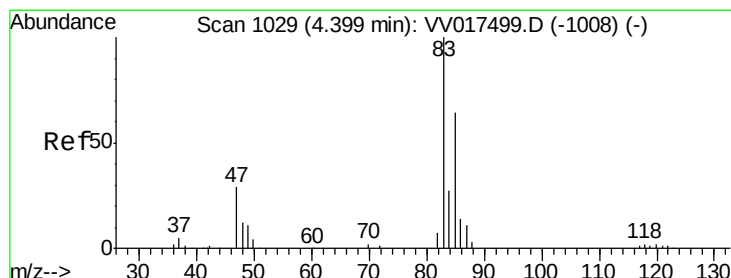
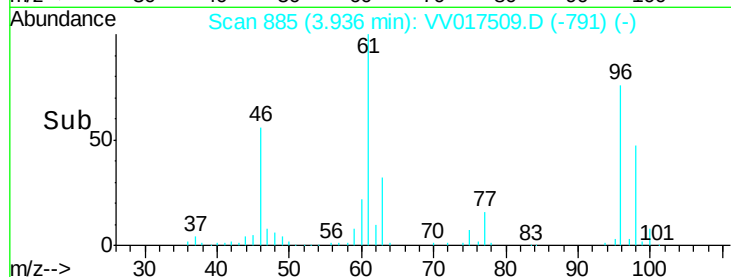
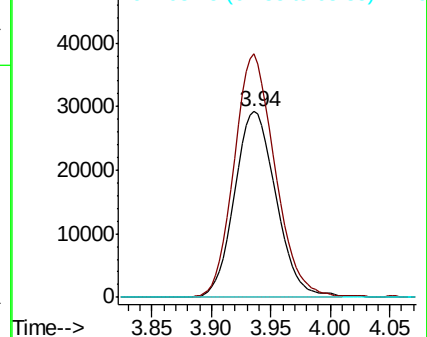
cis-1,2-Dichloroethene
 Concen: 7.234 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0DL

Tot Ion: 96 Resp: 70801
 Ion Ratio Lower Upper
 96 100
 61 131.1 91.5 169.9
 68 0.0 0.0 0.0



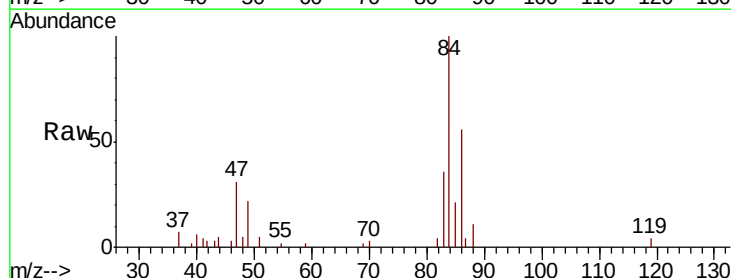
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



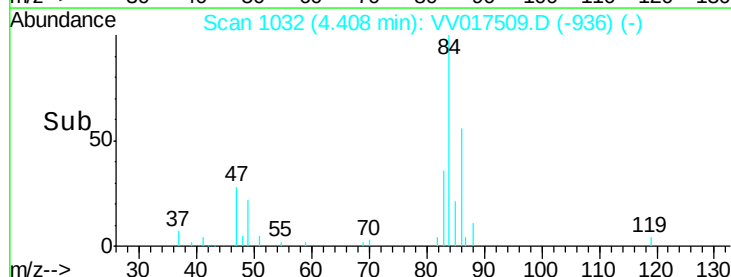
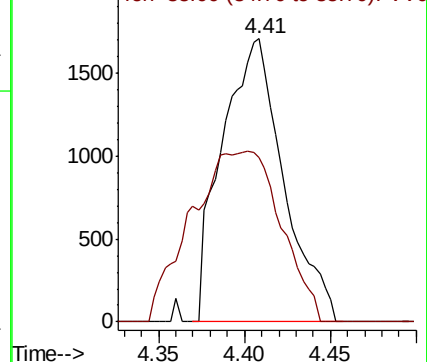
#25

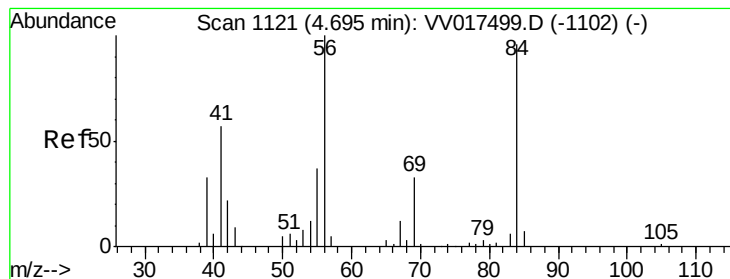
Chloroform
 Concen: 0.226 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

Tgt Ion: 83 Resp: 4258
 Ion Ratio Lower Upper
 83 100
 85 58.0 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#30

Cyclohexane

Concen: 0.239 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

GAXY0DL

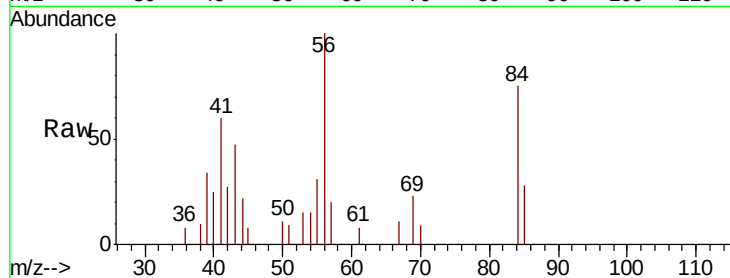
Tot Ion: 56 Resp: 3485

Ion Ratio Lower Upper

56 100

69 12.7 26.0 39.0#

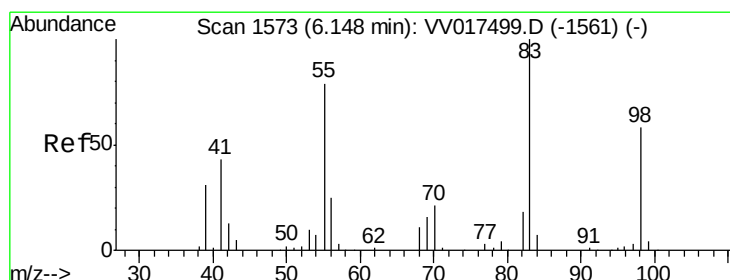
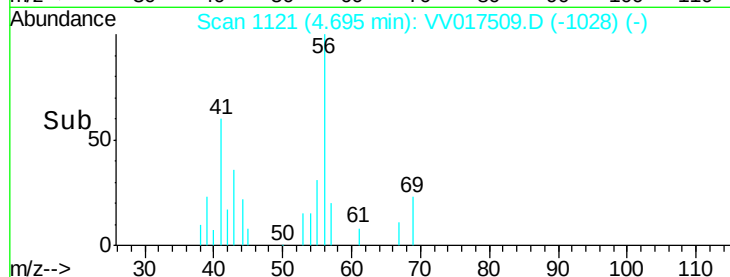
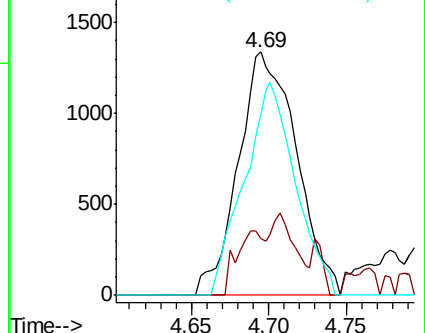
84 0.0 77.9 116.9#



Abundance Ion 56.10 (55.80 to 56.80): VV017499.D (-1102) (-)

Ion 69.15 (68.85 to 69.85): VV017499.D (-1102) (-)

Ion 84.15 (83.85 to 84.85): VV017499.D (-1102) (-)



#35

Methylcyclohexane

Concen: 0.351 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

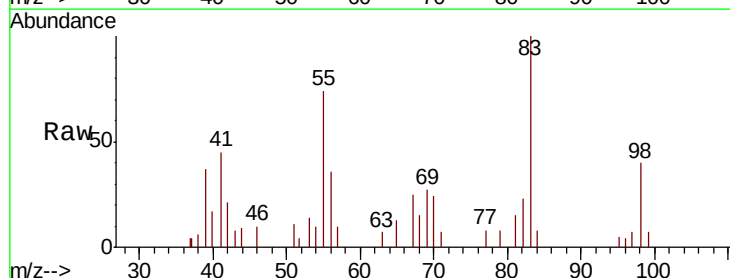
Tgt Ion: 83 Resp: 5677

Ion Ratio Lower Upper

83 100

55 81.3 62.0 93.0

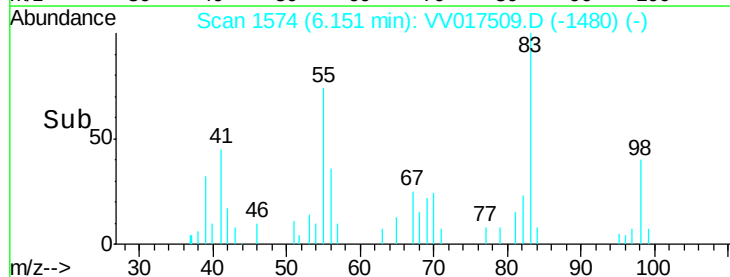
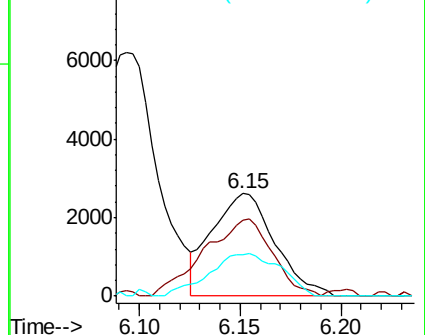
98 47.0 41.4 62.2

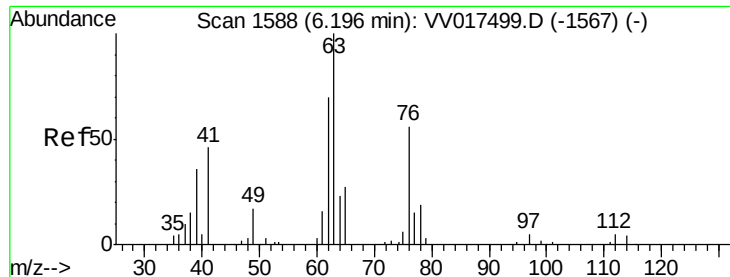


Abundance Ion 83.15 (82.85 to 83.85): VV017499.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VV017499.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VV017499.D (-1561) (-)

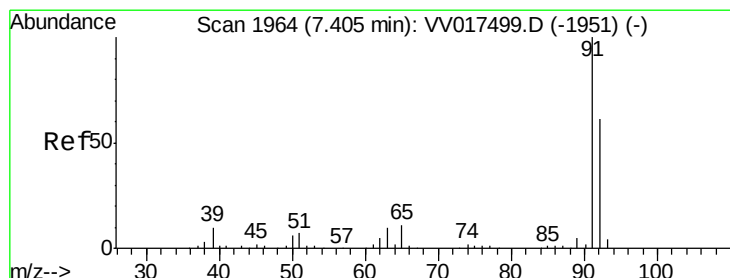
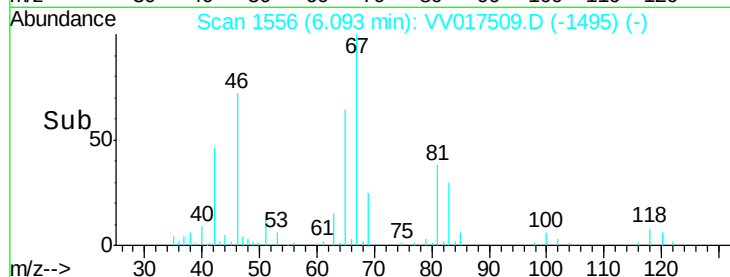
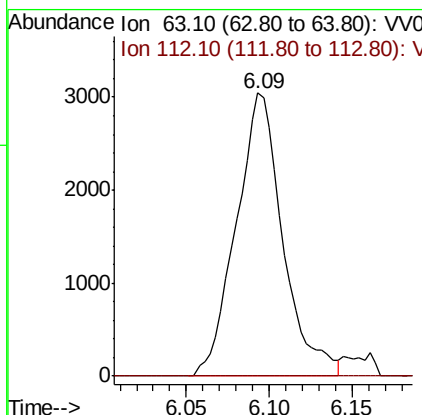
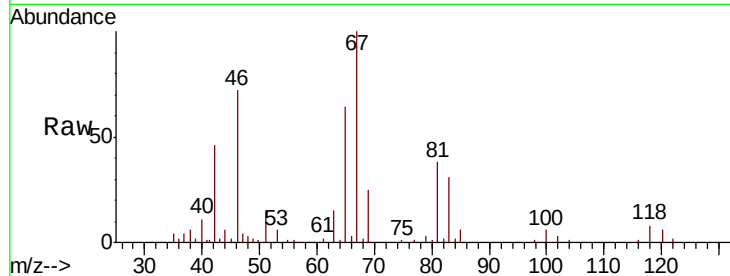




#37
 1,2-Dichloropropane
 Concen: 0.712 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

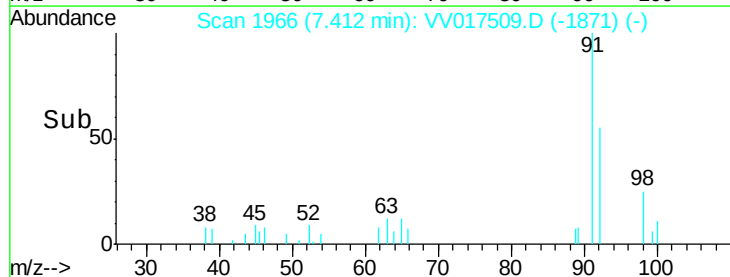
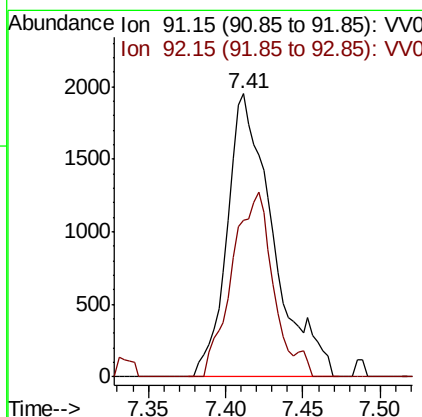
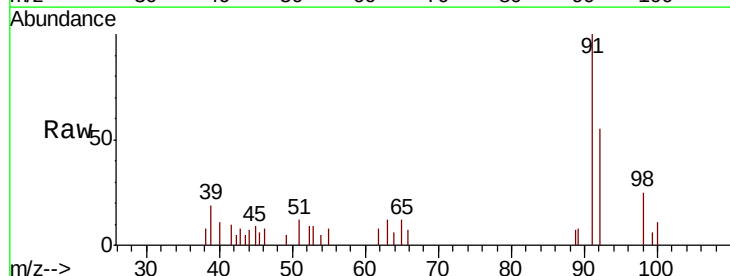
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0DL

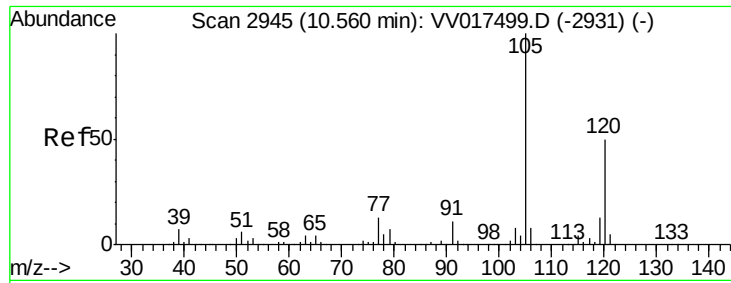
Tot Ion: 63 Resp: 5936
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.4 6.6#



#42
 Toluene
 Concen: 0.101 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.01 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

Tgt Ion: 91 Resp: 4023
 Ion Ratio Lower Upper
 91 100
 92 55.3 40.7 75.5

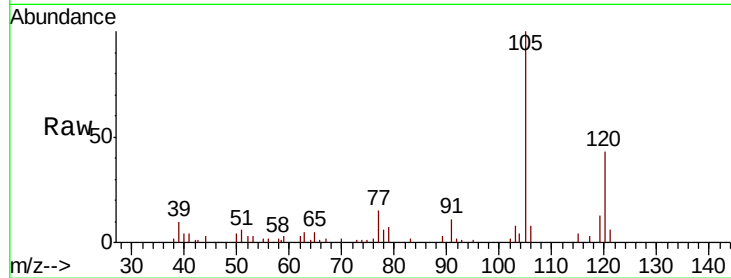




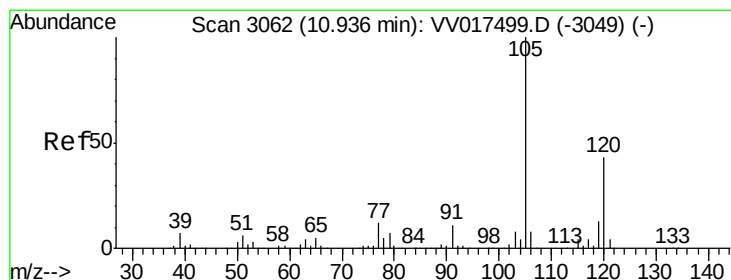
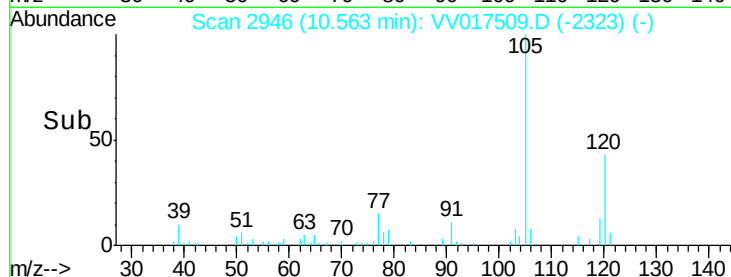
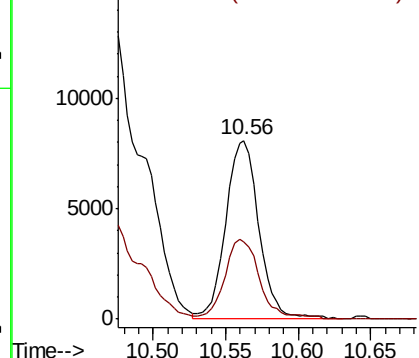
#43
 1,3,5-Trimethylbenzene
 Concen: 0.324 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0DL

Tot Ion:105 Resp: 12806
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.6 58.0

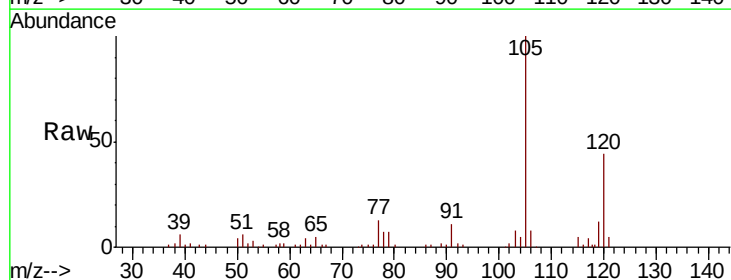


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

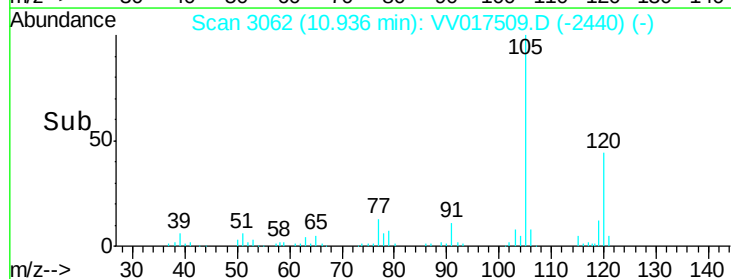
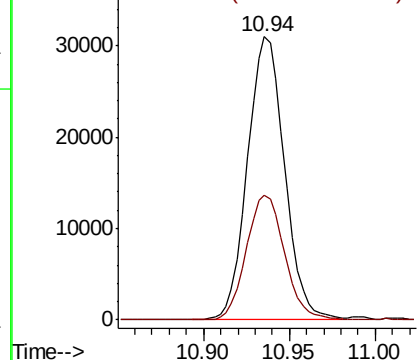


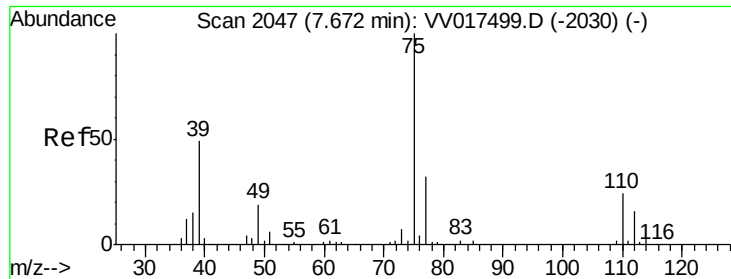
#44
 1,2,4-Trimethylbenzene
 Concen: 1.176 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017509.D
 Acq: 15 Jul 2020 14:41

Tgt Ion:105 Resp: 46249
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#46

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

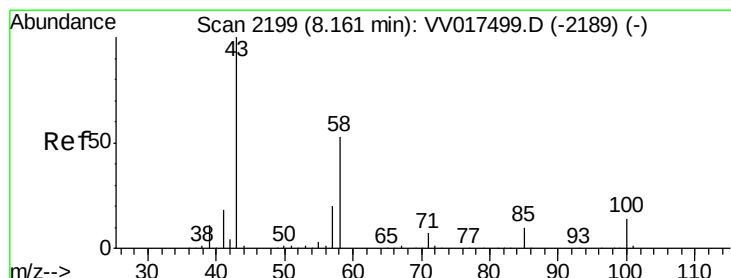
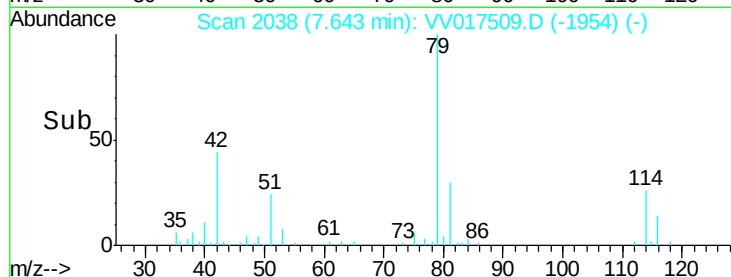
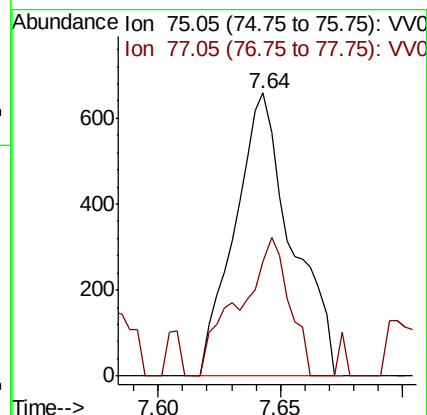
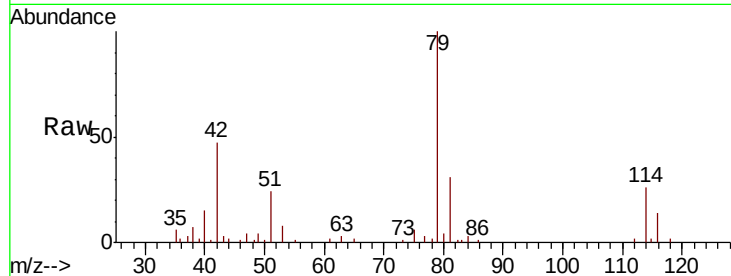
GAXY0DL

Tot Ion: 75 Resp: 1062

Ion Ratio Lower Upper

75 100

77 40.4 21.2 39.4#



#50

2-Hexanone

Concen: 0.943 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Tgt Ion: 43 Resp: 3056

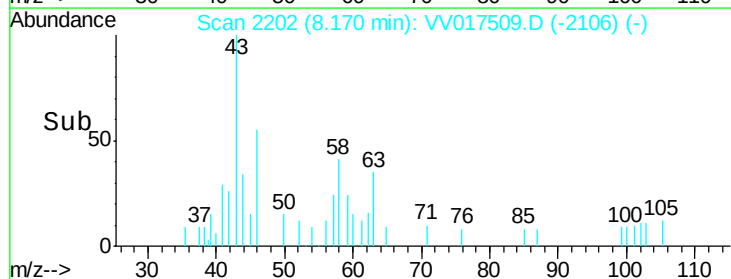
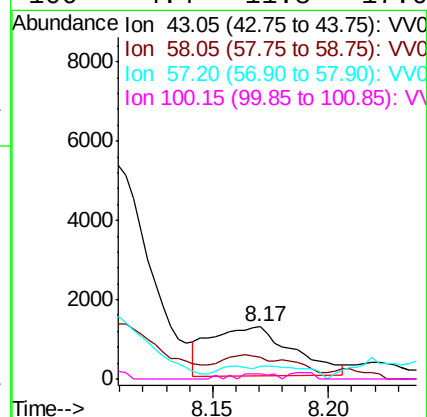
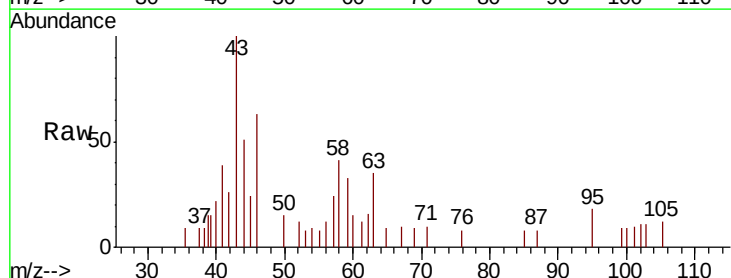
Ion Ratio Lower Upper

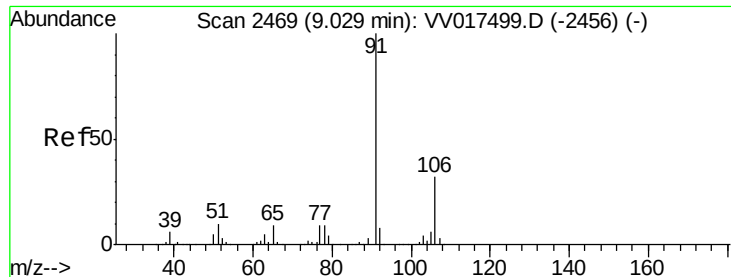
43 100

58 45.9 43.0 64.4

57 15.6 16.8 25.2#

100 4.4 11.8 17.6#





#54

Ethylbenzene

Concen: 0.432 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.01 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

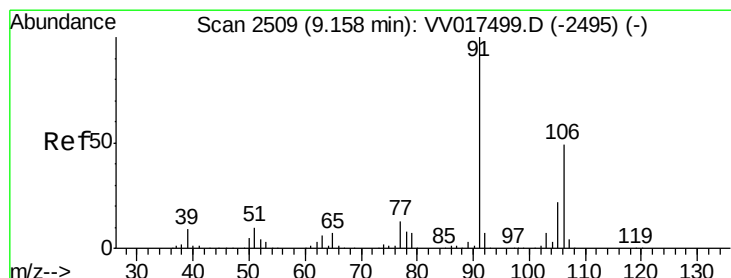
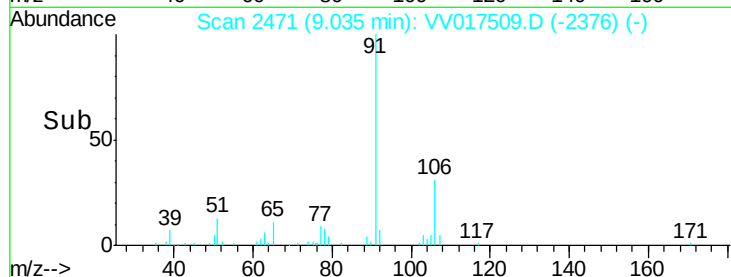
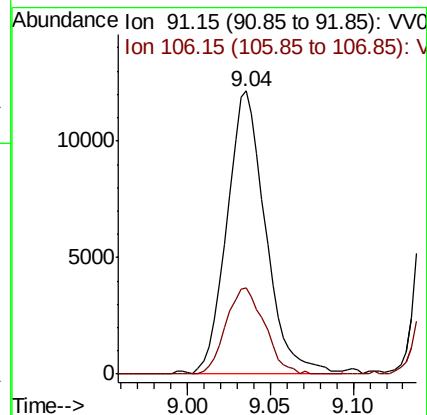
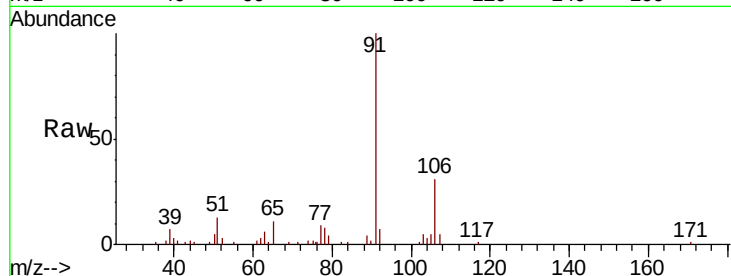
GAXY0DL

Tot Ion: 91 Resp: 19688

Ion Ratio Lower Upper

91 100

106 30.6 21.9 40.7



#55

m,p-xylene

Concen: 1.478 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017509.D

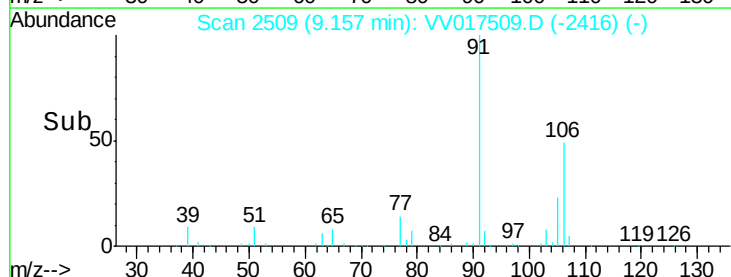
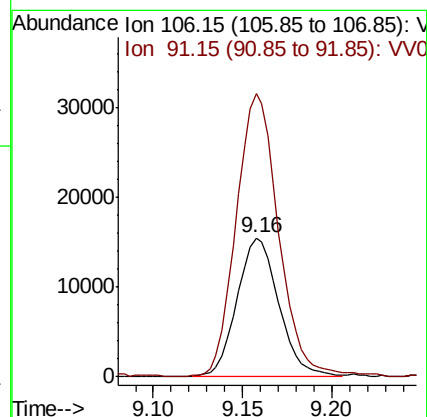
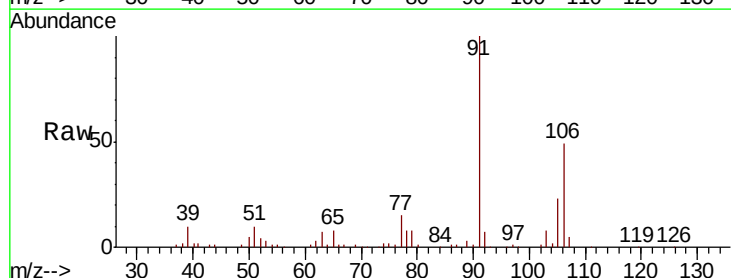
Acq: 15 Jul 2020 14:41

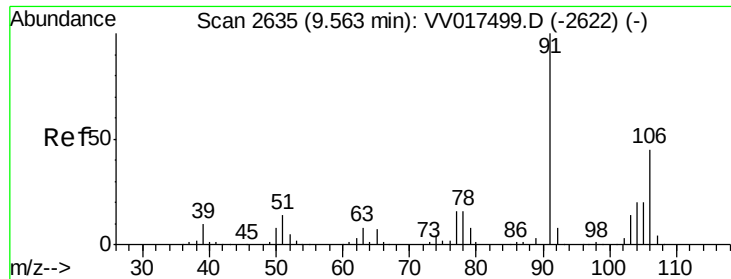
Tgt Ion: 106 Resp: 25456

Ion Ratio Lower Upper

106 100

91 203.1 144.2 267.8





#56

o-xylene

Concen: 0.083 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

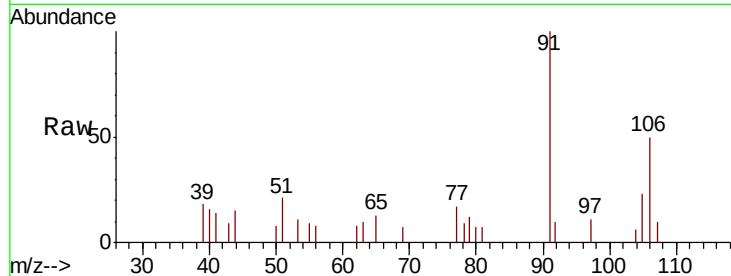
GAXY0DL

Tot Ion:106 Resp: 1379

Ion Ratio Lower Upper

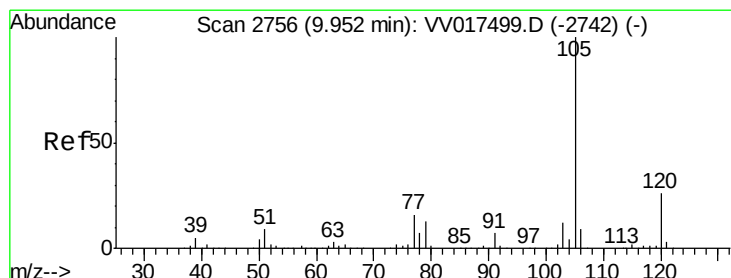
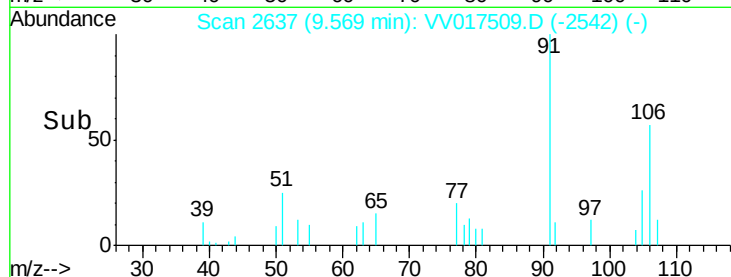
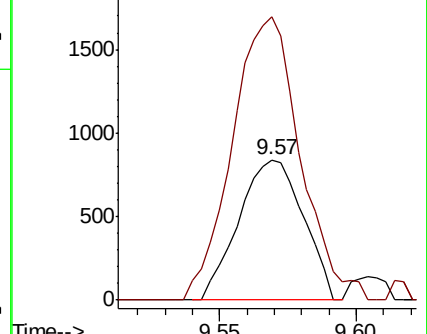
106 100

91 201.9 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#58

Isopropylbenzene

Concen: 0.064 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

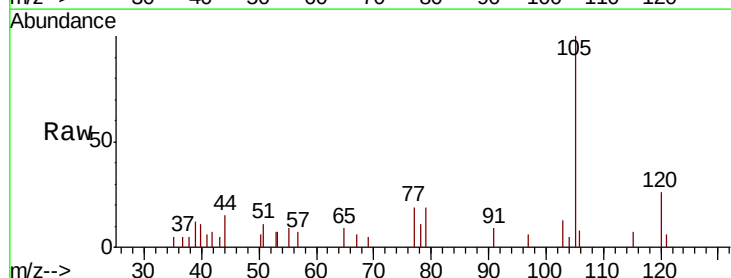
Tgt Ion:105 Resp: 2997

Ion Ratio Lower Upper

105 100

120 21.5 21.3 31.9

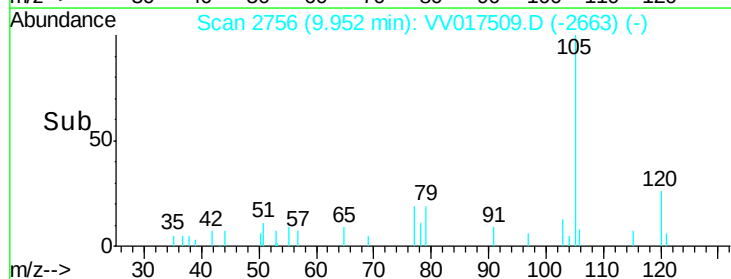
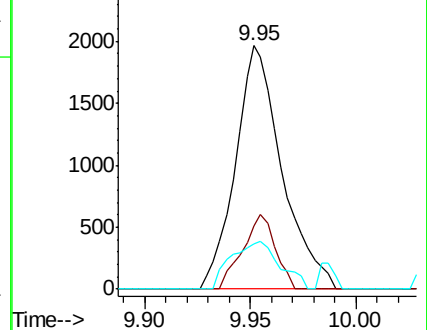
77 20.5 13.3 19.9#

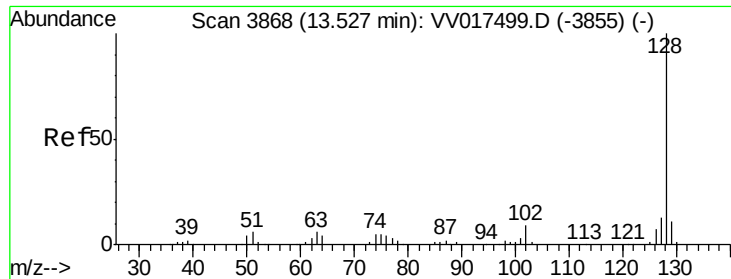


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#70

Naphthalene

Concen: 0.265 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV017509.D

Acq: 15 Jul 2020 14:41

Instrument :

MSVOA_V

ClientSampleId :

GAXY0DL

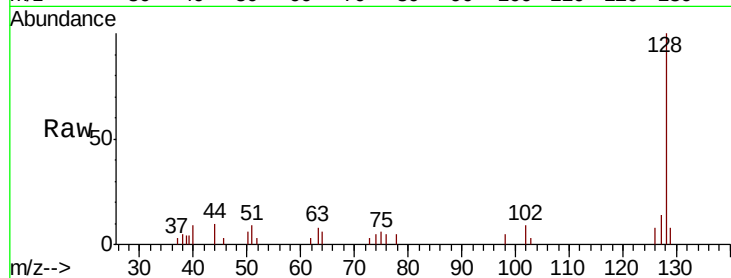
Tot Ion:128 Resp: 5726

Ion Ratio Lower Upper

128 100

129 12.4 8.5 12.7

127 14.7 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

