

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018422.D
 Acq On : 24 Sep 2020 12:35
 Operator : SY/MD
 Sample : L4109-10DL 20X
 Misc : 6.37g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X0DL

Quant Time: Sep 25 04:44:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	312985	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308068	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98229	38.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.02%
7) Chloroethane-d5	1.58	69	87550	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.90%
11) 1,1-Dichloroethene-d2	2.12	63	153050	32.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.42%
21) 2-Butanone-d5	3.92	46	160525	102.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	4.38	84	209120	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
26) 1,2-Dichloroethane-d4	5.06	65	139615	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
32) Benzene-d6	5.08	84	422813	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	6.09	67	137346	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.02%
41) Toluene-d8	7.34	98	384060	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%
43) trans-1,3-Dichloropropene-	7.64	79	68438	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
47) 2-Hexanone-d5	8.11	63	112713	106.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181756	51.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	179399	51.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	1370	0.856	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1448	0.686	ug/L #	19
15) Methyl Acetate	2.55	43	139810	62.229	ug/L #	53
29) Cyclohexane	4.70	56	11641	3.272	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	14095	3.942	ug/L	97
35) Methylcyclohexane	6.09	83	32650	9.038	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	14685	6.292	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3688	1.026	ug/L #	73
42) Toluene	7.41	91	231038	24.786	ug/L	99
48) 2-Hexanone	8.11	43	14212	6.366	ug/L #	67
52) Ethylbenzene	9.04	91	55983	5.501	ug/L	99
53) m,p-Xylene	9.16	106	91078	23.978	ug/L	96
54) o-xylene	9.57	106	38573	10.541	ug/L	98
56) Isopropylbenzene	9.95	105	44407	4.503	ug/L	100
59) 1,2,3-Trichloropropane	11.27	75	19112	6.962	ug/L	89
65) 1,2-Dichlorobenzene	11.67	146	4675	0.919	ug/L #	93
69) Naphthalene	13.52	128	113106	12.646	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Sep 25 04:36:20 2020
Response via : Initial Calibration

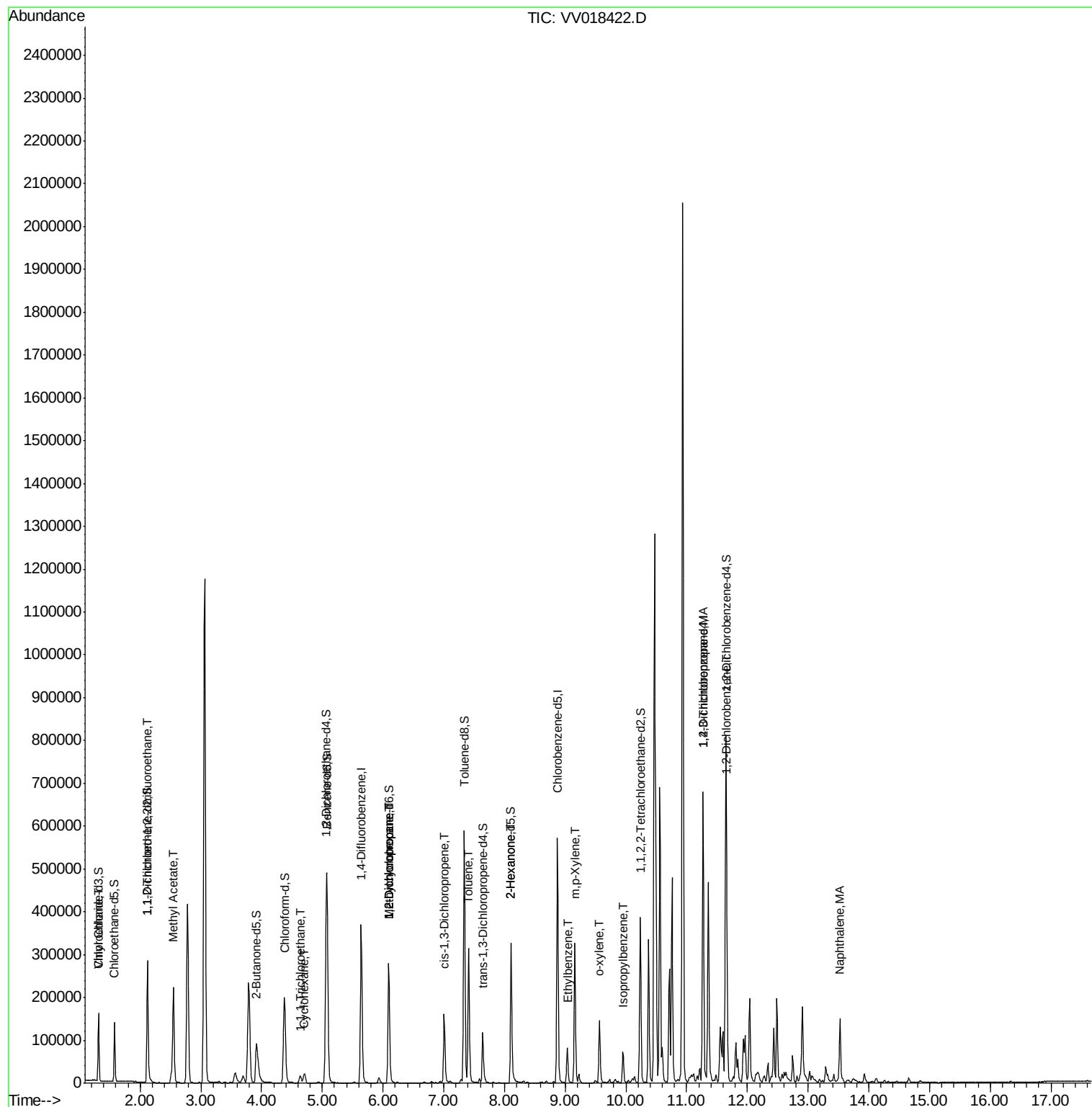
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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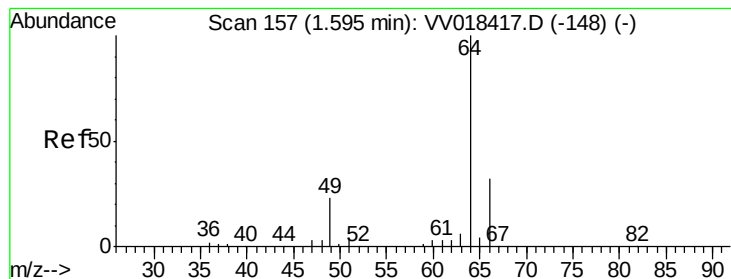
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.856 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampled :

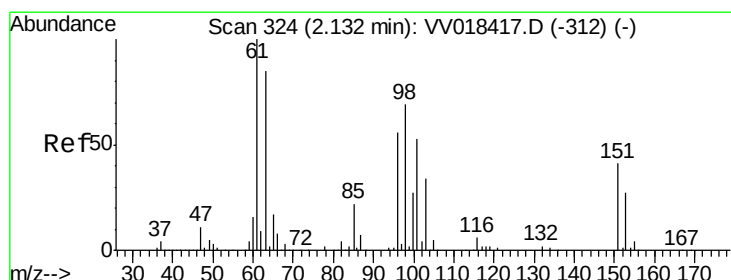
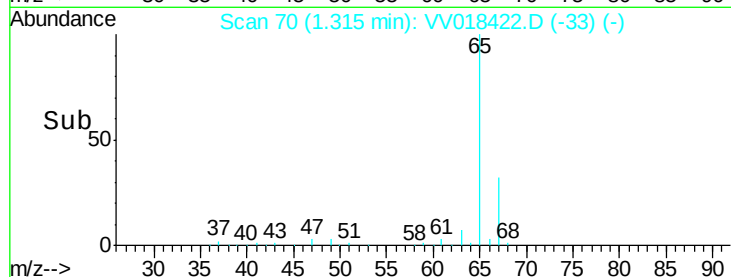
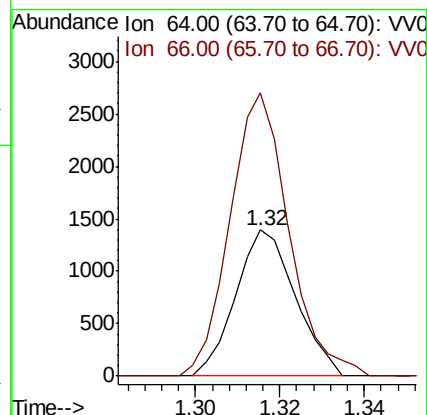
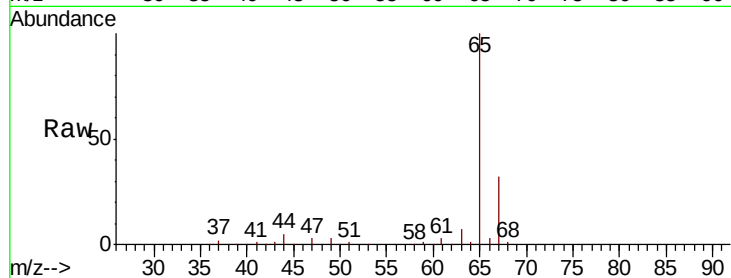
BG3X0DL

Tot Ion: 64 Resp: 1370

Ion Ratio Lower Upper

64 100

66 193.8 22.5 41.7#



#10

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

Concen: 0.686 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

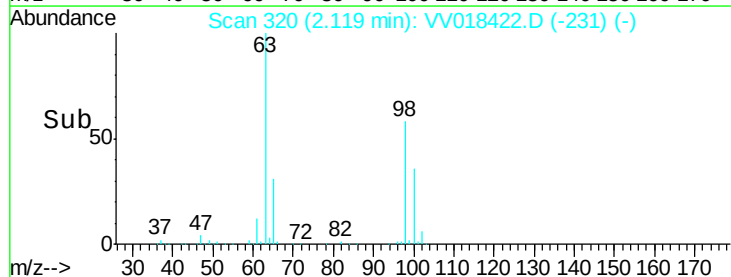
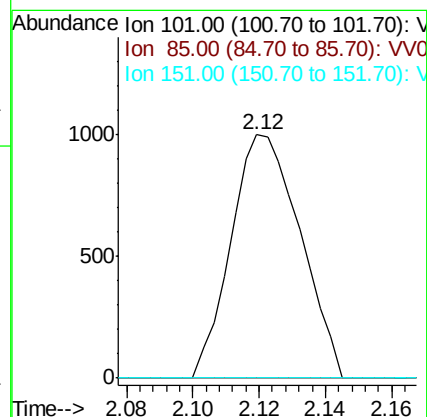
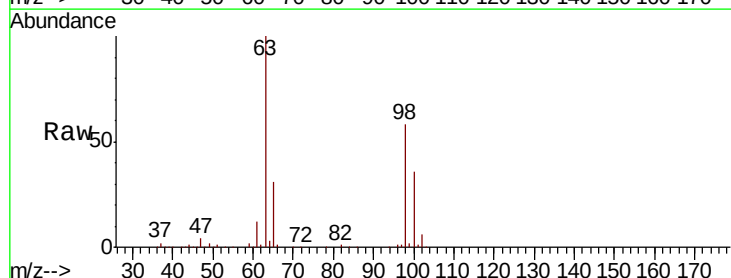
Tgt Ion: 101 Resp: 1448

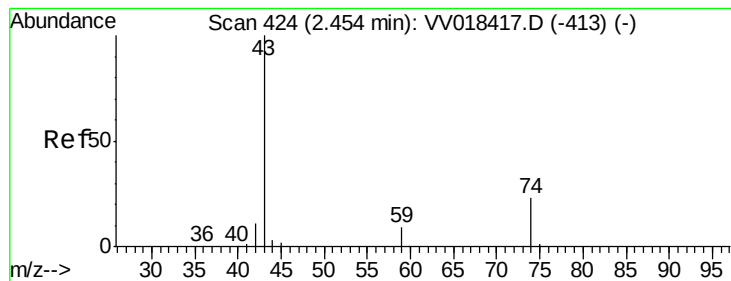
Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

151 0.0 62.2 93.2#





#15

Methvl Acetate

Concen: 62.229 ug/L

RT: 2.55 min Scan# 453

Delta R.T. 0.09 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

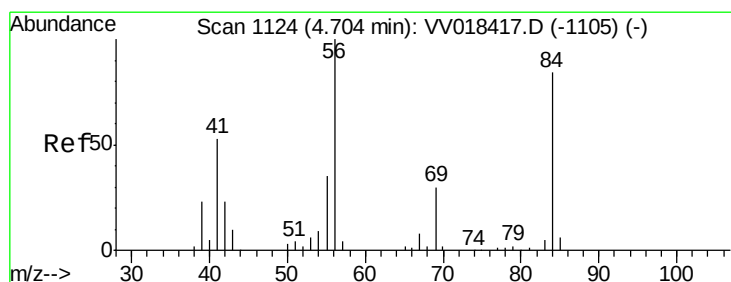
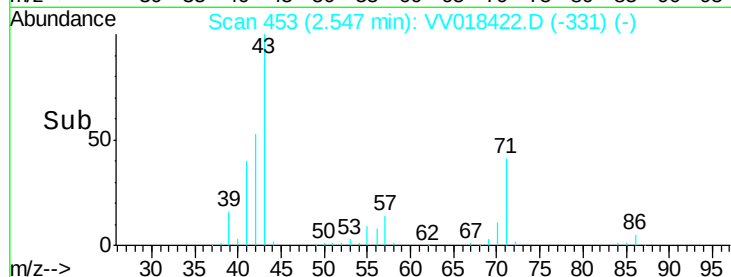
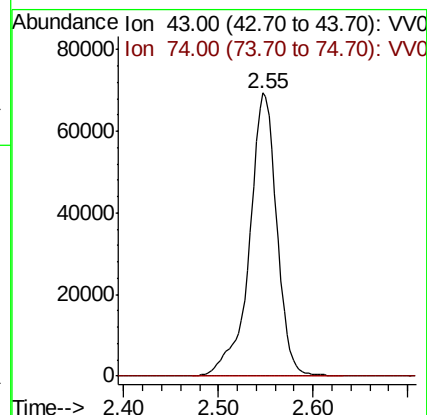
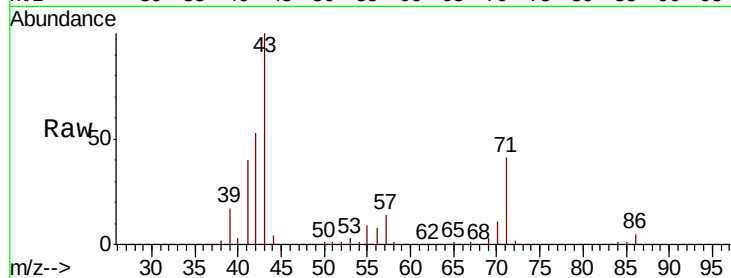
BG3X0DL

Tot Ion: 43 Resp: 139810

Ion Ratio Lower Upper

43 100

74 0.0 18.4 27.6#



#29

Cyclohexane

Concen: 3.272 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

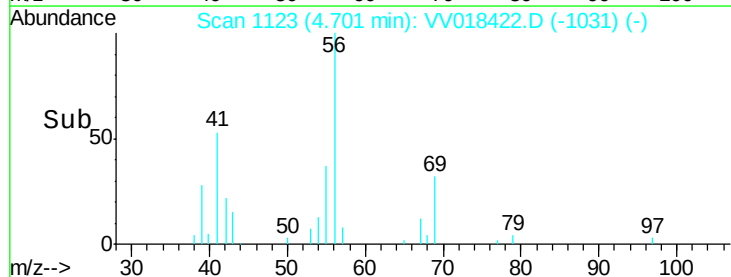
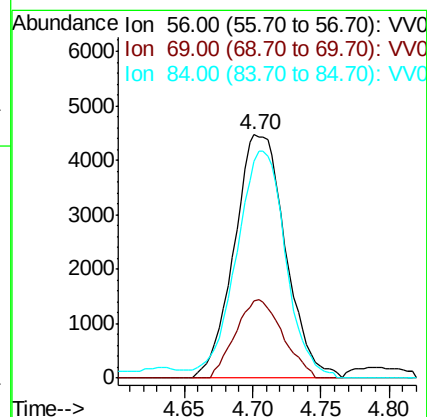
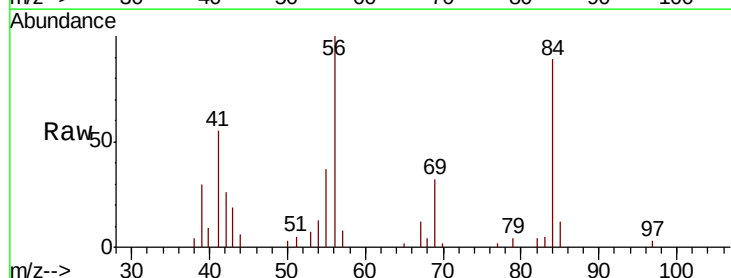
Tgt Ion: 56 Resp: 11641

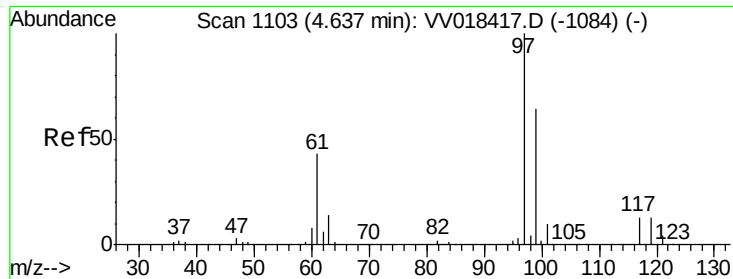
Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.2

84 90.1 68.3 102.5

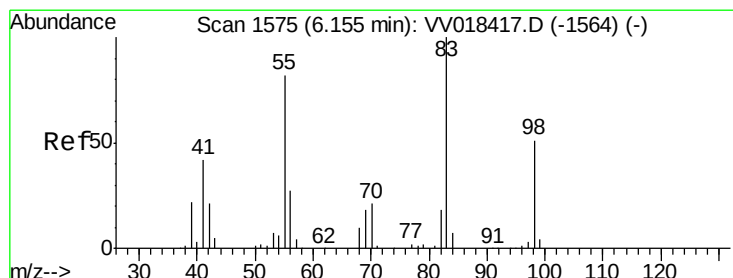
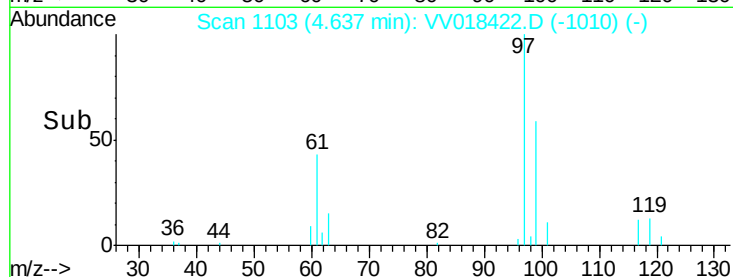
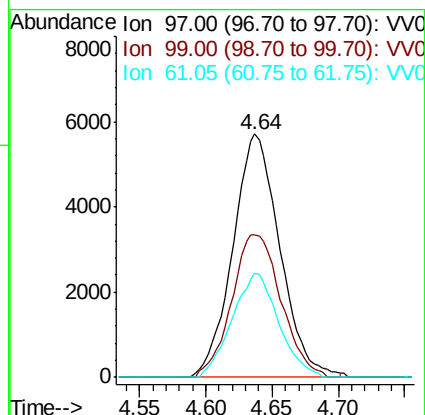
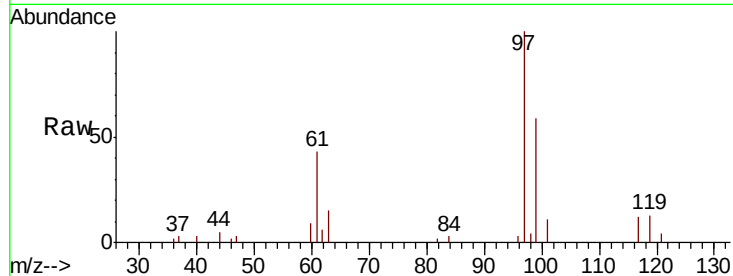




#30
 1,1,1-Trichloroethane
 Concen: 3.942 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

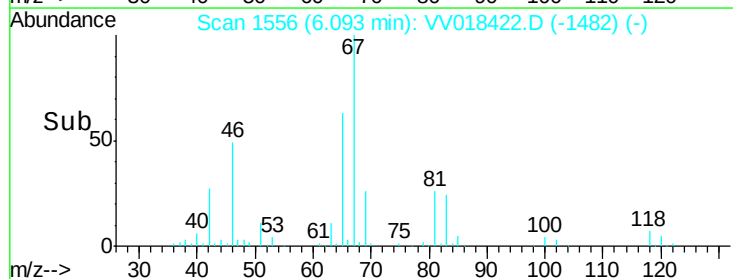
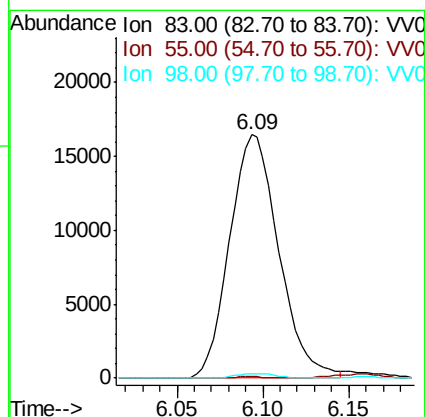
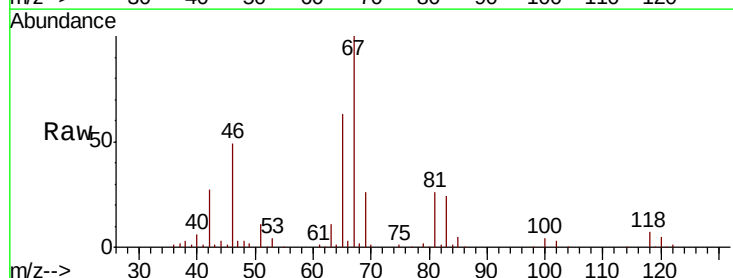
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X0DL

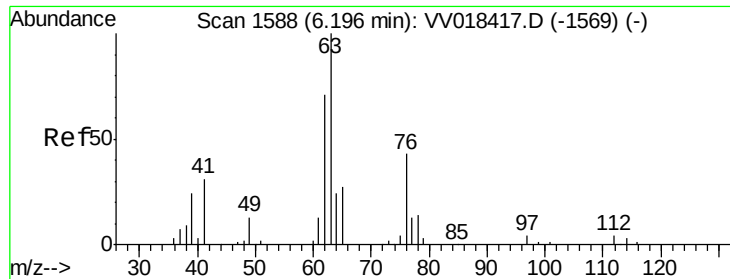
Tot Ion: 97 Resp: 14095
 Ion Ratio Lower Upper
 97 100
 99 61.4 51.6 77.4
 61 42.3 34.9 52.3



#35
 Methylcyclohexane
 Concen: 9.038 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

Tgt Ion: 83 Resp: 32650
 Ion Ratio Lower Upper
 83 100
 55 0.3 63.4 95.2#
 98 1.5 38.8 58.2#

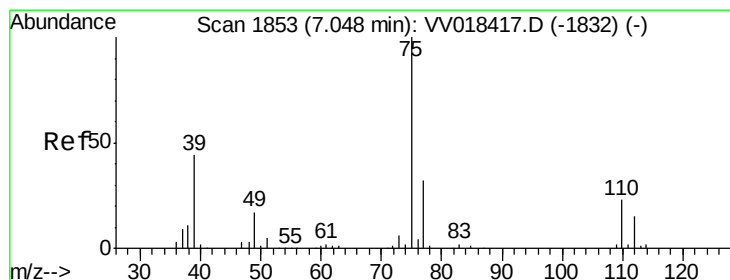
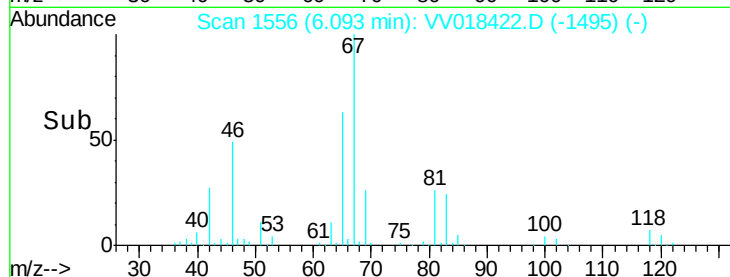
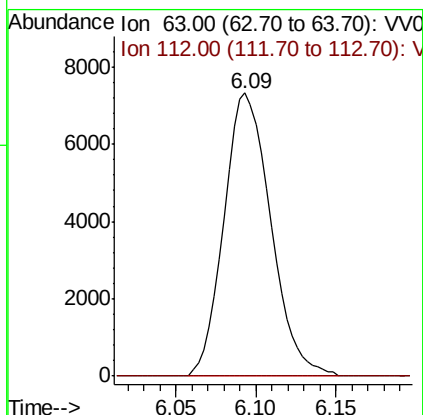
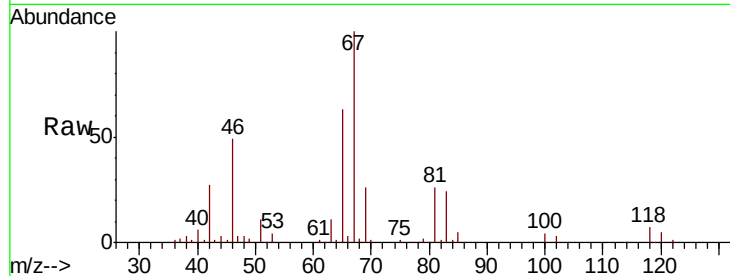




#37
 1,2-Dichloropropane
 Concen: 6.292 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

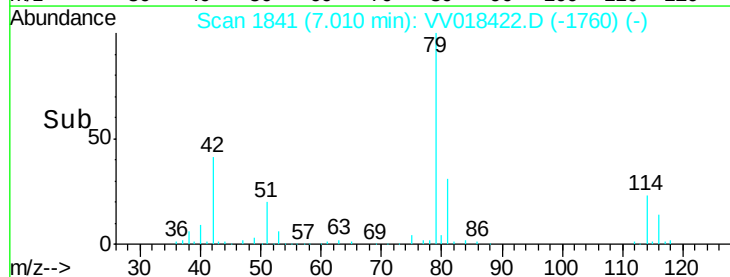
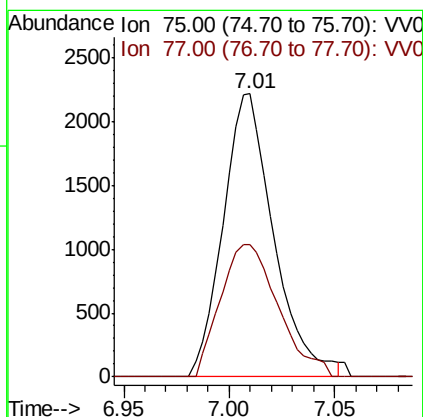
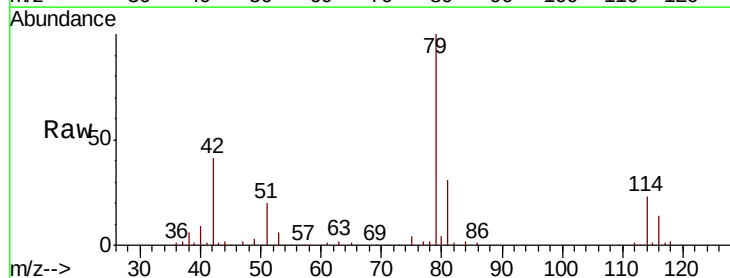
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X0DL

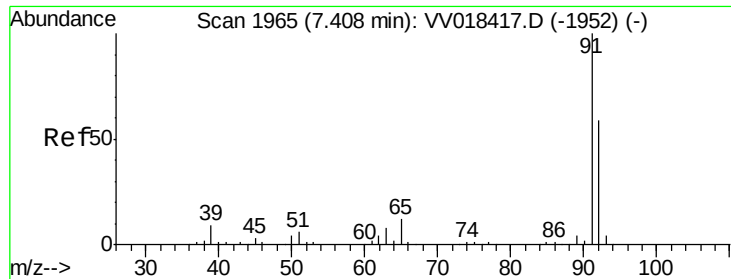
Tot Ion: 63 Resp: 14685
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

Tgt Ion: 75 Resp: 3688
 Ion Ratio Lower Upper
 75 100
 77 46.7 22.3 41.3#





#42

Toluene

Concen: 24.786 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampled :

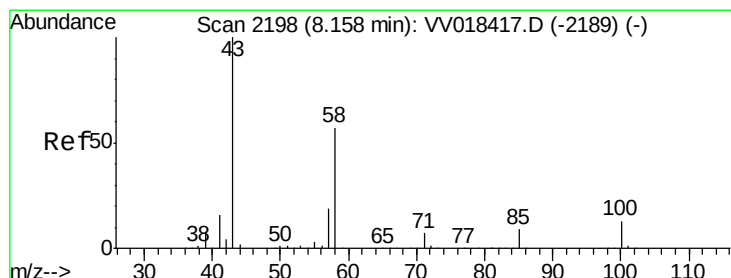
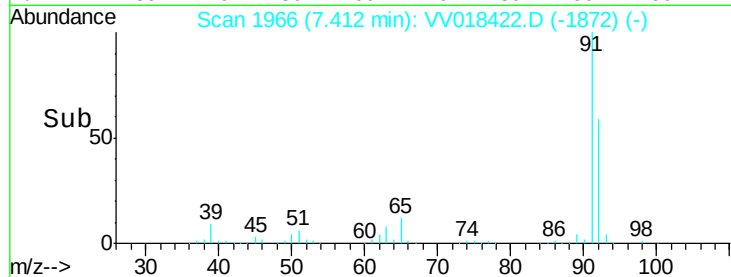
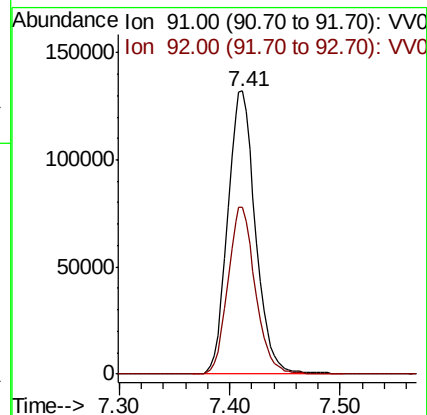
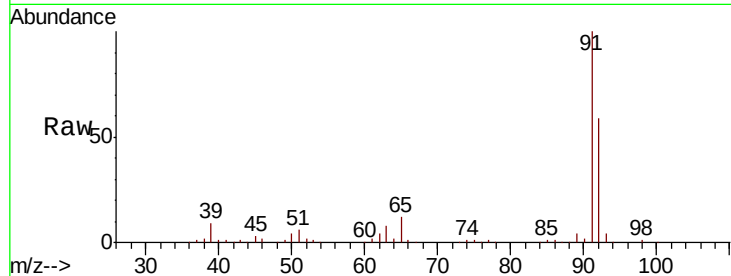
BG3X0DL

Tot Ion: 91 Resp: 231038

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.5



#48

2-Hexanone

Concen: 6.366 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Tgt Ion: 43 Resp: 14212

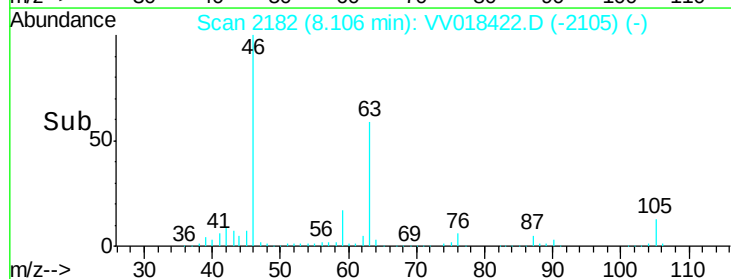
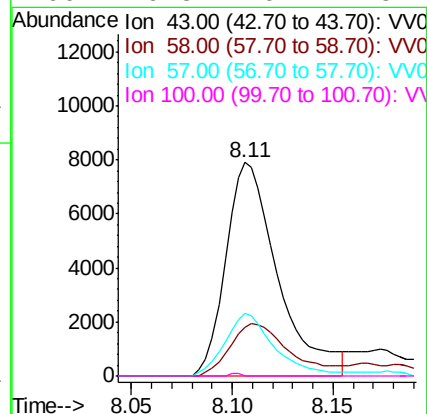
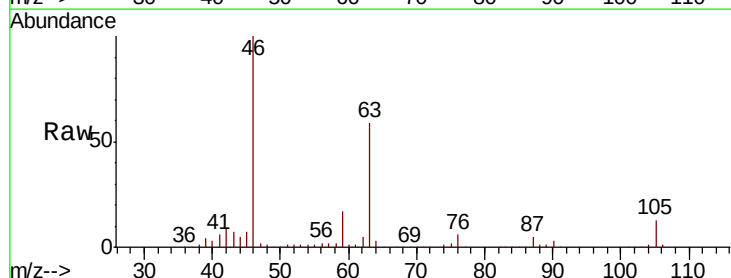
Ion Ratio Lower Upper

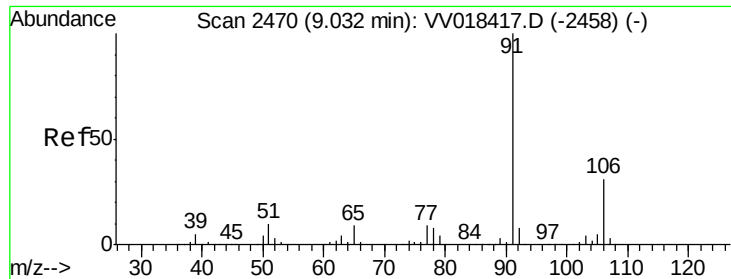
43 100

58 27.7 44.8 67.2#

57 27.8 15.8 23.6#

100 0.3 10.2 15.4#





#52

Ethylbenzene

Concen: 5.501 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

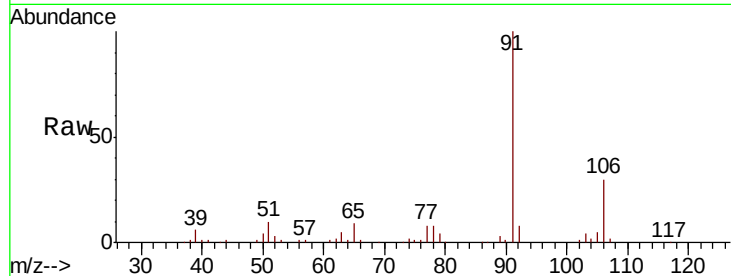
BG3X0DL

Tot Ion: 91 Resp: 55983

Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

9.04

40000

30000

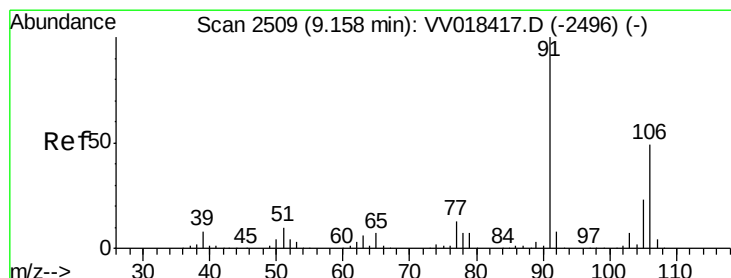
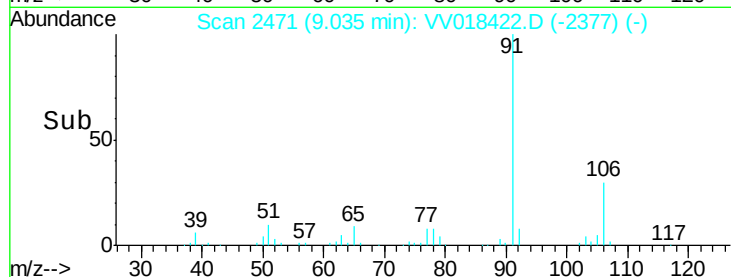
20000

10000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 23.978 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018422.D

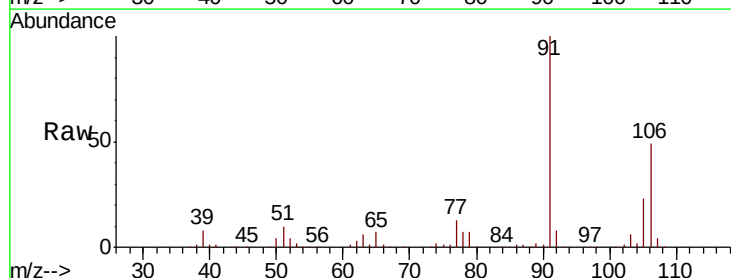
Acq: 24 Sep 2020 12:35

Tgt Ion: 106 Resp: 91078

Ion Ratio Lower Upper

106 100

91 203.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

9.16

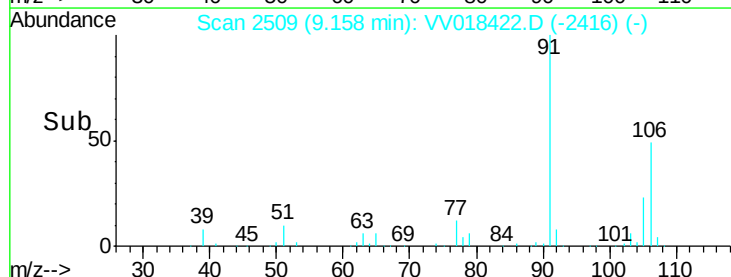
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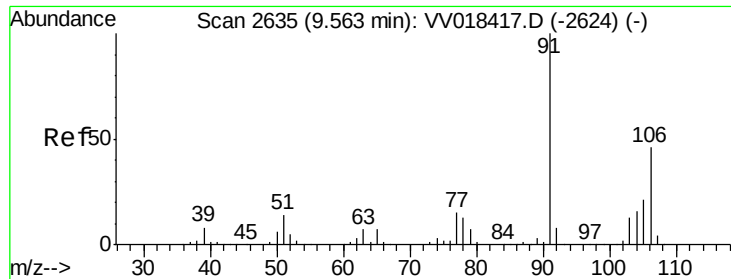
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 10.541 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

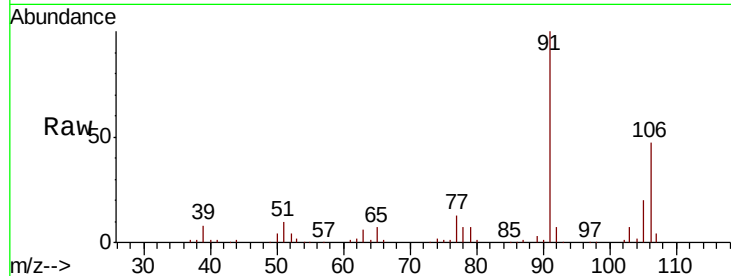
BG3X0DL

Tot Ion:106 Resp: 38573

Ion Ratio Lower Upper

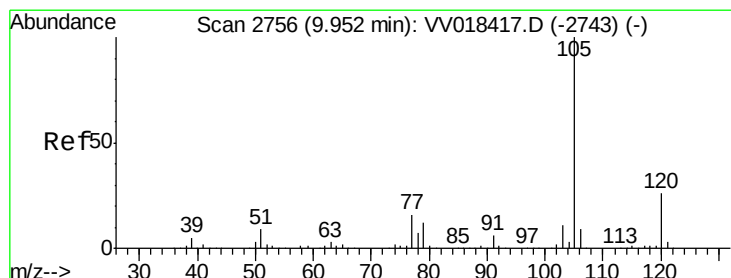
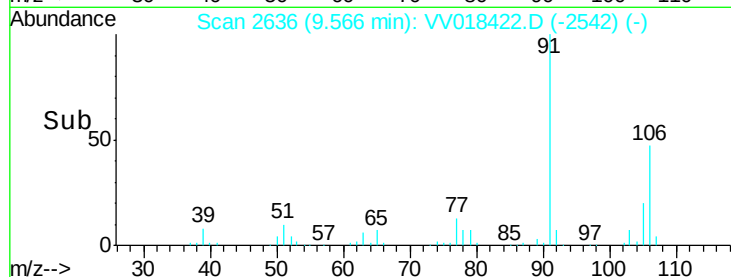
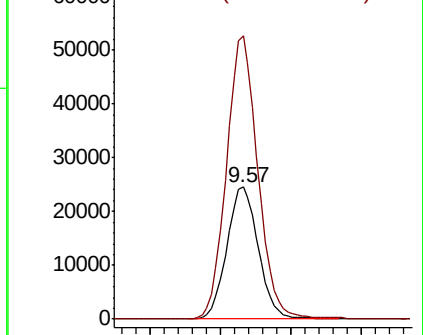
106 100

91 214.3 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 4.503 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

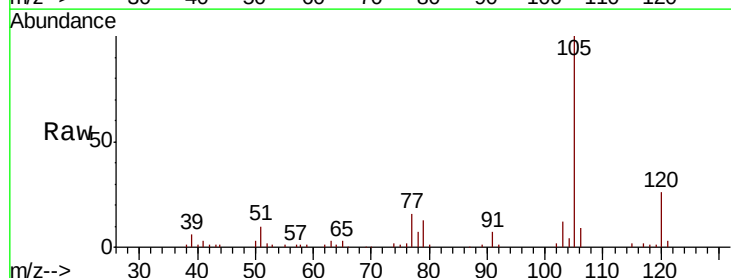
Tgt Ion:105 Resp: 44407

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

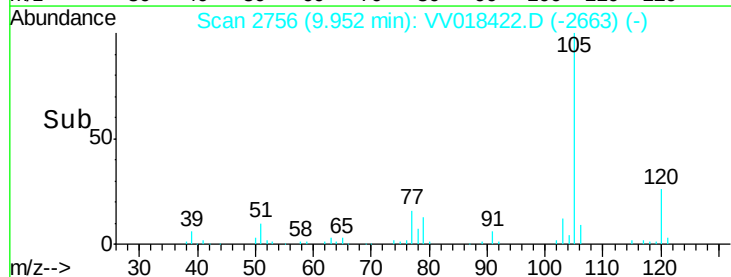
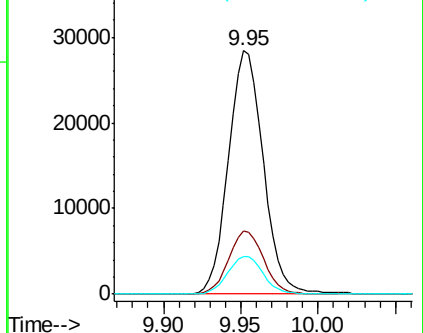
77 15.7 12.5 18.7

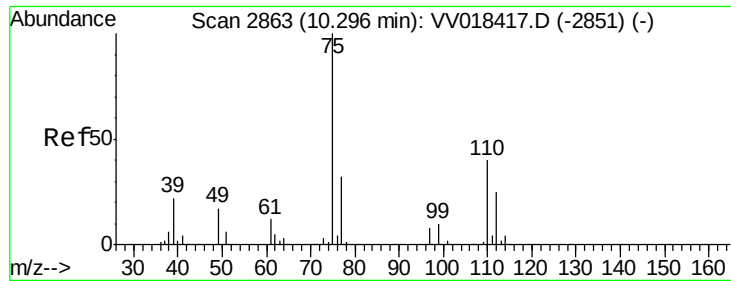


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

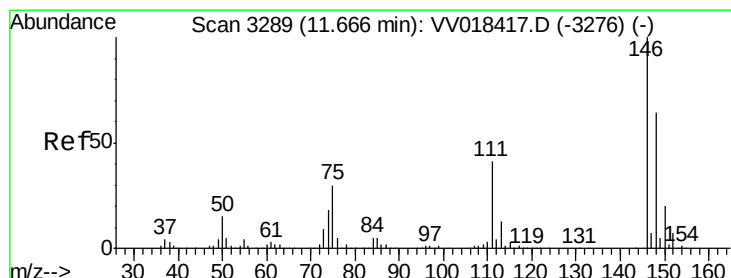
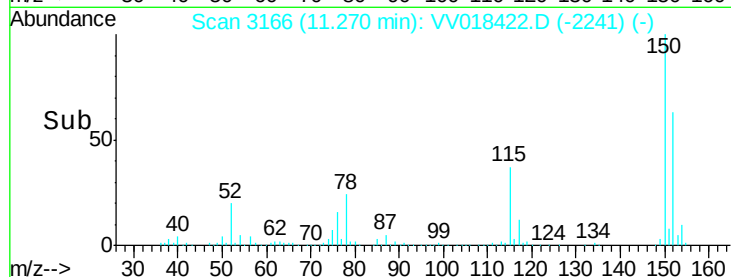
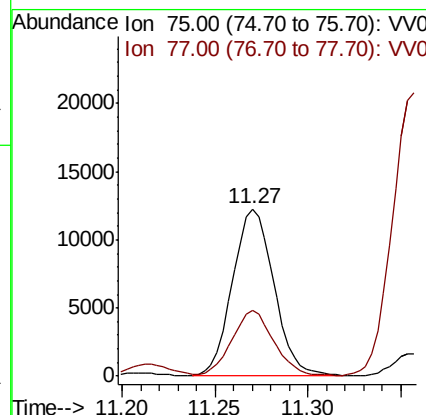
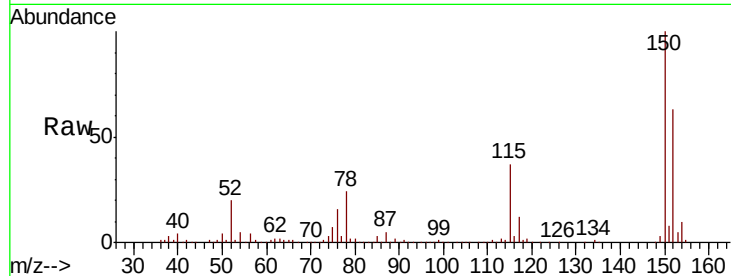




#59
 1,2,3-Trichloropropane
 Concen: 6.962 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

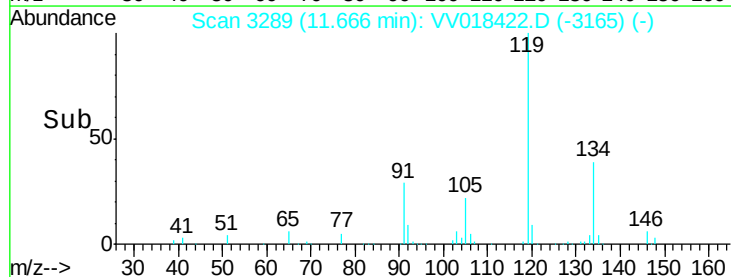
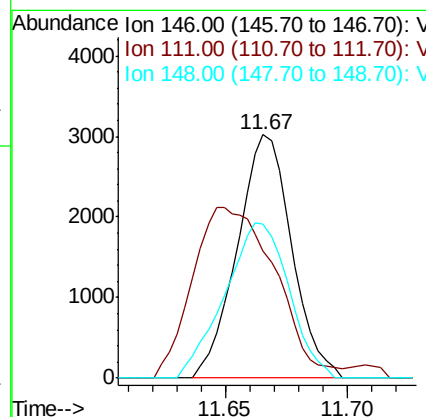
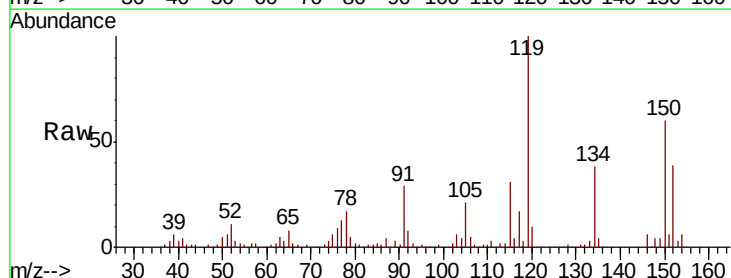
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X0DL

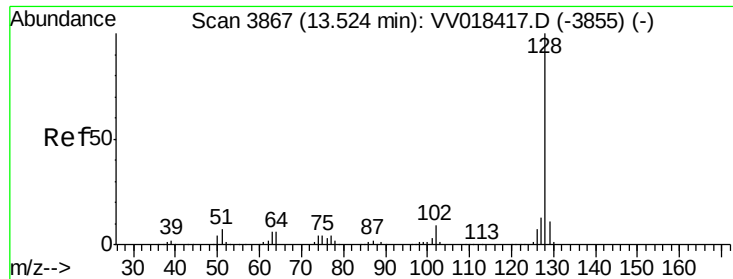
Tot Ion: 75 Resp: 19112
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.8 38.6



#65
 1,2-Dichlorobenzene
 Concen: 0.919 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018422.D
 Acq: 24 Sep 2020 12:35

Tgt Ion: 146 Resp: 4675
 Ion Ratio Lower Upper
 146 100
 111 52.1 32.8 49.2#
 148 63.5 50.7 76.1





#69

Naphthalene

Concen: 12.646 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018422.D

Acq: 24 Sep 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

BG3X0DL

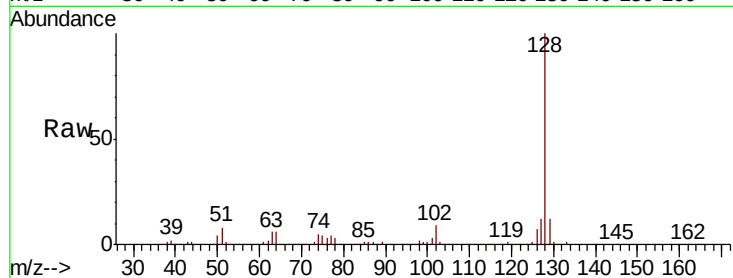
Tot Ion:128 Resp: 113106

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

