

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016772.D
 Acq On : 10 Jun 2020 16:26
 Operator : SY/MD
 Sample : L2914-03 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9D96DL

Quant Time: Jun 11 01:08:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 01:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	349415	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330379	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167946	50.00	ug/L	0.00

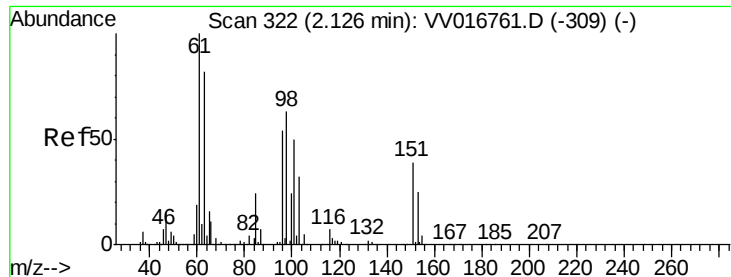
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	106891	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.70%
7) Chloroethane-d5	1.55	69	71208	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.11	63	140859	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.04%
21) 2-Butanone-d5	3.90	46	164884	90.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.36%
24) Chloroform-d	4.37	84	219381	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
26) 1,2-Dichloroethane-d4	5.05	65	157701	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
32) Benzene-d6	5.07	84	431652	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
36) 1,2-Dichloropropane-d6	6.09	67	132330	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.16%
41) Toluene-d8	7.34	98	393256	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.64	79	66459	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
47) 2-Hexanone-d5	8.11	63	102152	78.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.93%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176535	44.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	171387	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1222	0.658 ug/L #	19
12) 1,1-Dichloroethene	2.11	96	1339	0.772 ug/L #	1
27) 1,2-Dichloroethane	5.12	62	13268	3.460 ug/L #	79
29) Cyclohexane	4.70	56	3893	0.948 ug/L #	76
33) Benzene	5.12	78	1488755	152.303 ug/L	100
42) Toluene	7.41	91	123938	12.027 ug/L	96
44) trans-1,3-Dichloropropene	7.64	75	3456	0.900 ug/L	94
48) 2-Hexanone	8.16	43	8345	2.988 ug/L #	73
52) Ethylbenzene	9.03	91	126933	11.121 ug/L	99
53) m,p-Xylene	9.16	106	9011	2.120 ug/L	99
54) o-xylene	9.57	106	13366	3.189 ug/L	92
59) 1,2,3-Trichloropropane	11.27	75	21300	6.753 ug/L	89

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



#10

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

Concen: 0.658 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

F9D96DL

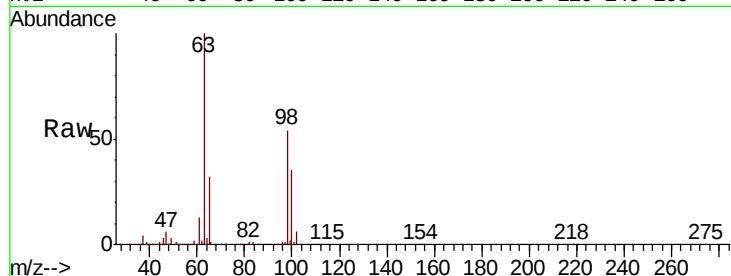
Tot Ion:101 Resp: 1222

Ion Ratio Lower Upper

101 100

85 3.5 35.5 53.3#

151 0.0 63.9 95.9#

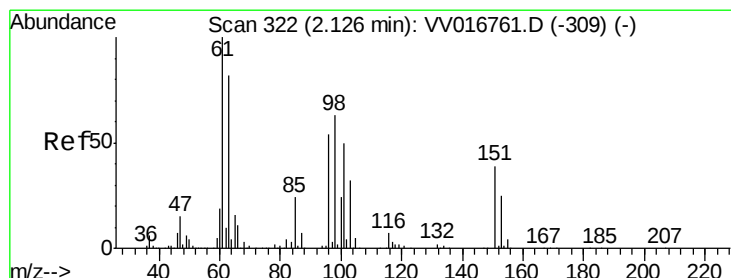
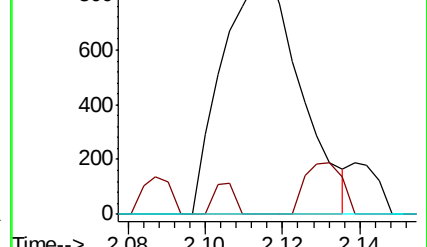
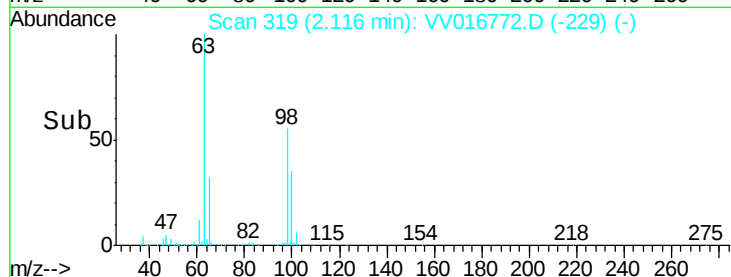


Abundance Ion 101.00 (100.70 to 101.70): VV016772.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016772.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016772.D (-229) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.772 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

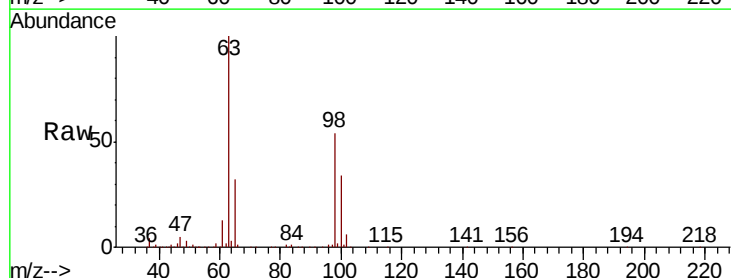
Tgt Ion: 96 Resp: 1339

Ion Ratio Lower Upper

96 100

61 1379.9 130.4 242.2#

63 10620.2 103.3 191.9#

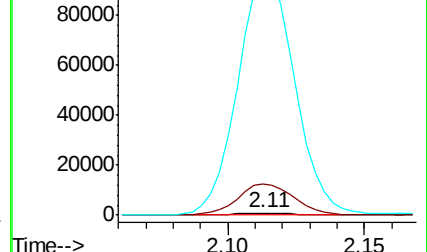
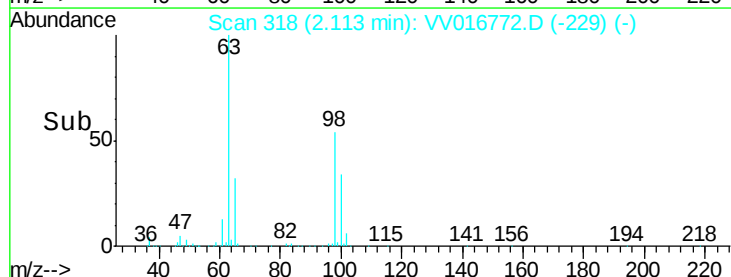


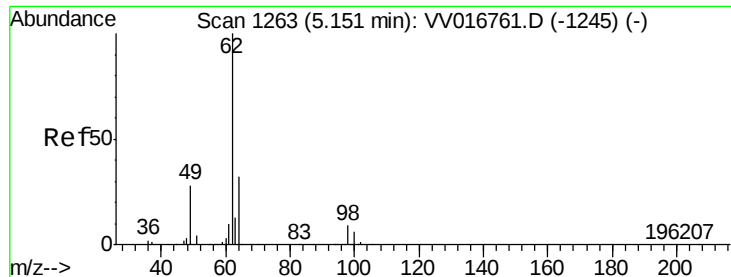
Abundance Ion 96.00 (95.70 to 96.70): VV016772.D (-229) (-)

Ion 61.00 (60.70 to 61.70): VV016772.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV016772.D (-229) (-)

Time-->





#27

1,2-Dichloroethane

Concen: 3.460 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

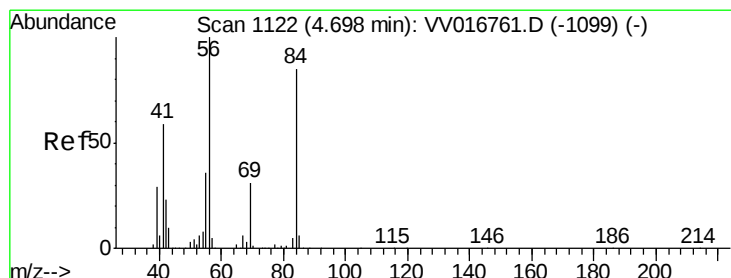
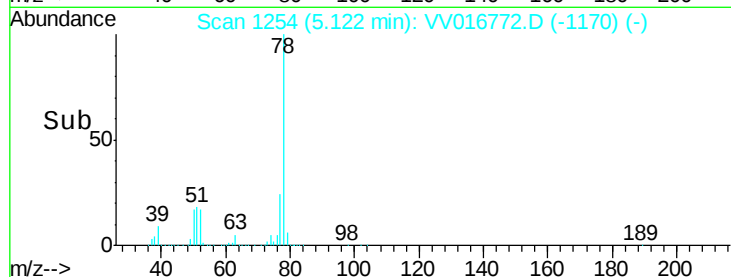
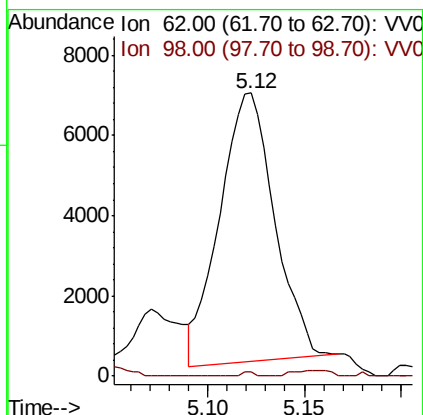
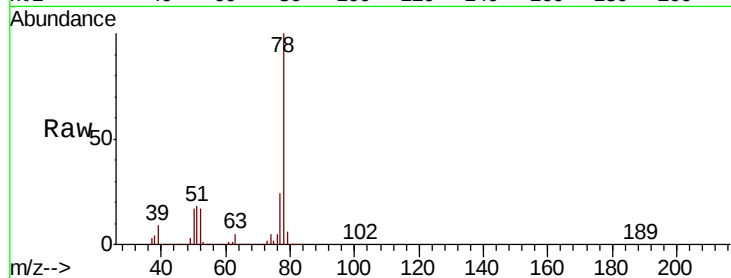
F9D96DL

Tot Ion: 62 Resp: 13268

Ion Ratio Lower Upper

62 100

98 1.5 7.4 11.2#



#29

Cyclohexane

Concen: 0.948 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

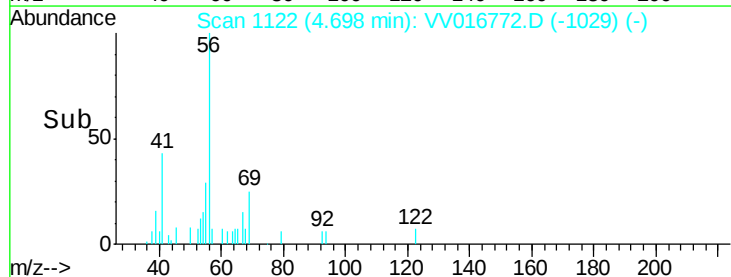
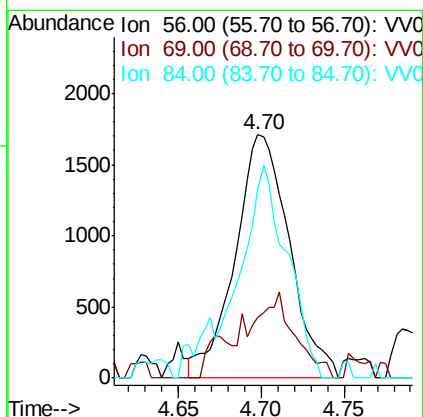
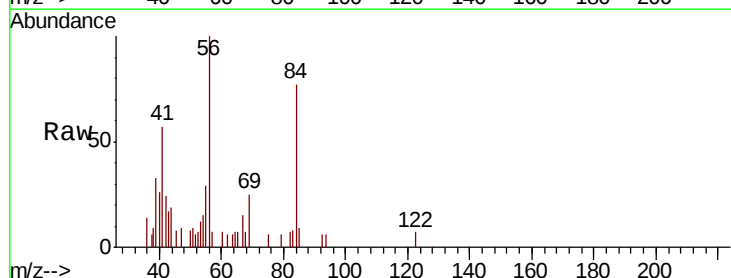
Tgt Ion: 56 Resp: 3893

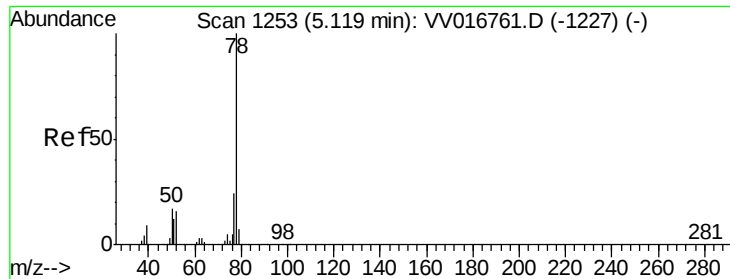
Ion Ratio Lower Upper

56 100

69 4.8 25.0 37.4#

84 72.4 69.5 104.3





#33

Benzene

Concen: 152.303 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

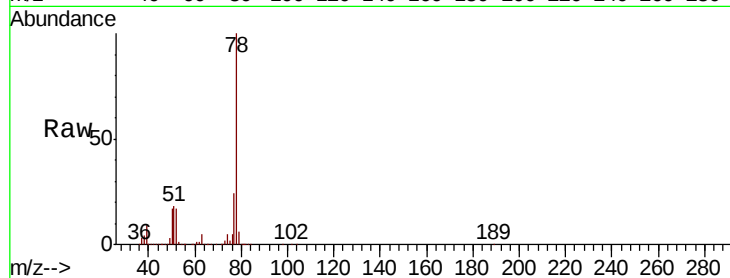
Instrument :

MSVOA_V

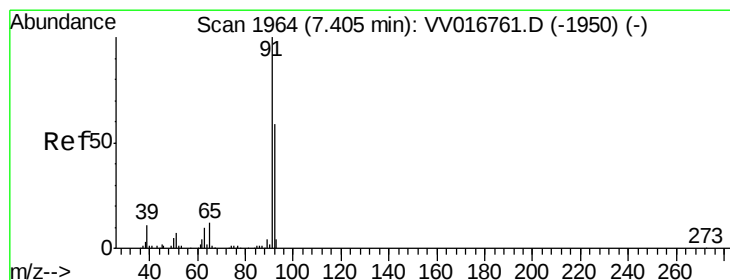
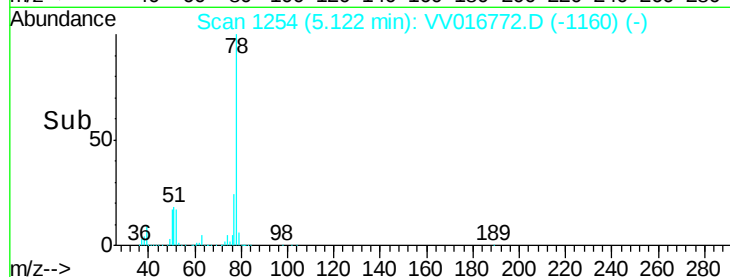
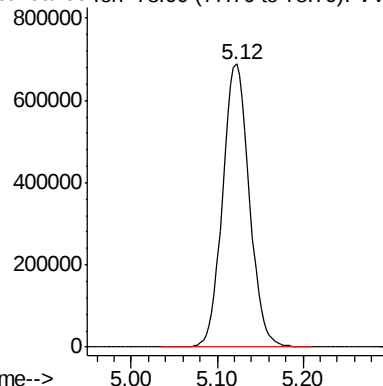
ClientSampleId :

F9D96DL

Tgt Ion: 78 Resp: 1488755



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 12.027 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016772.D

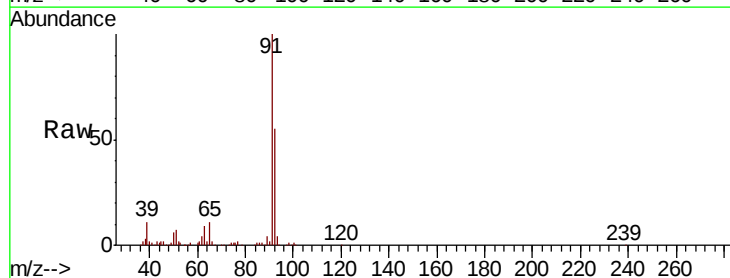
Acq: 10 Jun 2020 16:26

Tgt Ion: 91 Resp: 123938

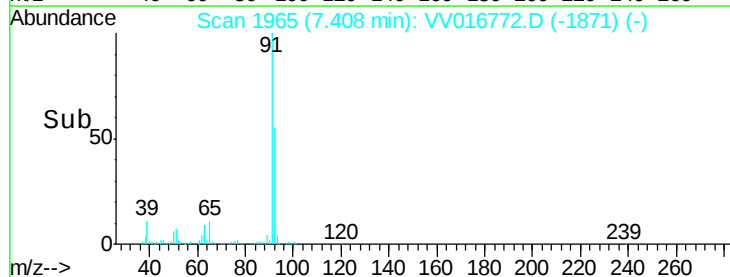
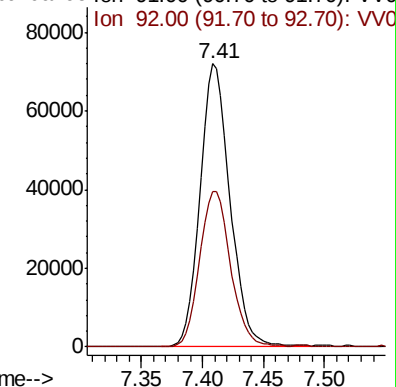
Ion Ratio Lower Upper

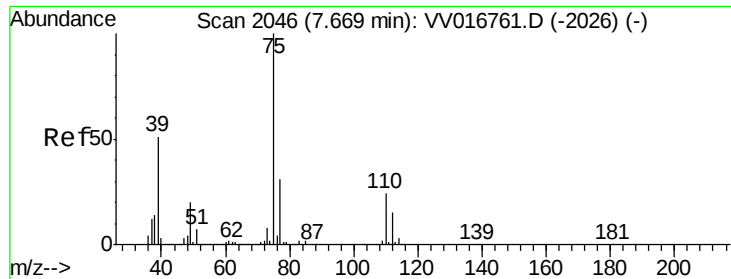
91 100

92 55.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.900 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

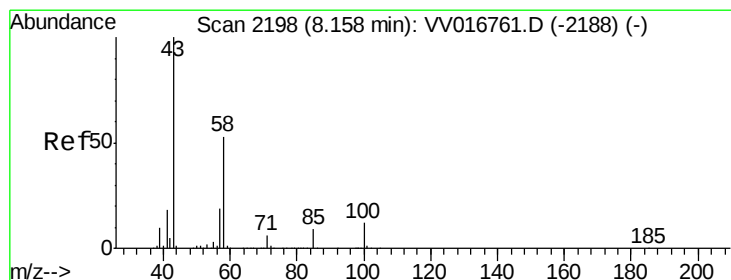
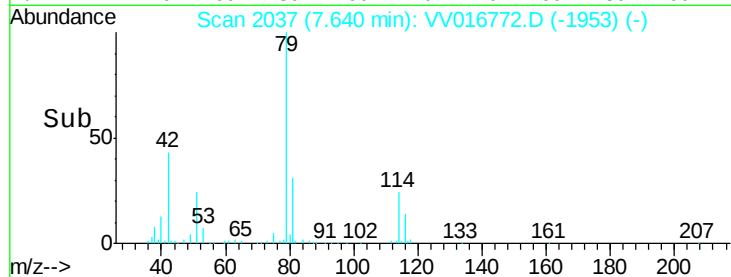
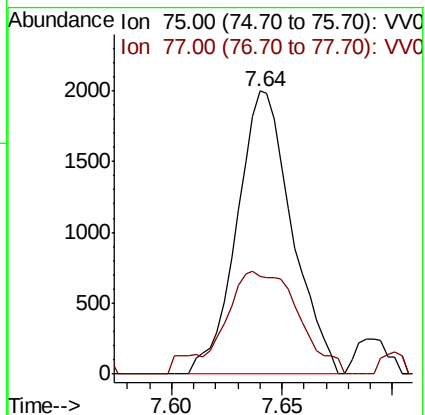
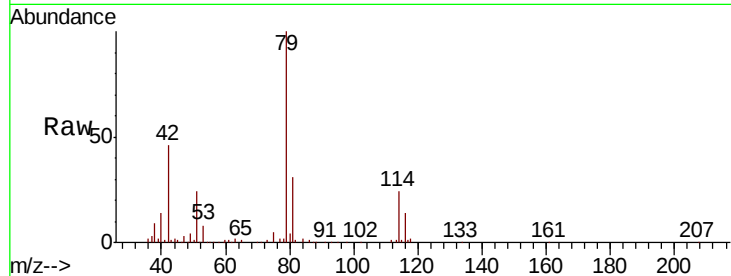
F9D96DL

Tot Ion: 75 Resp: 3456

Ion Ratio Lower Upper

75 100

77 34.5 21.7 40.3



#48

2-Hexanone

Concen: 2.988 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Tgt Ion: 43 Resp: 8345

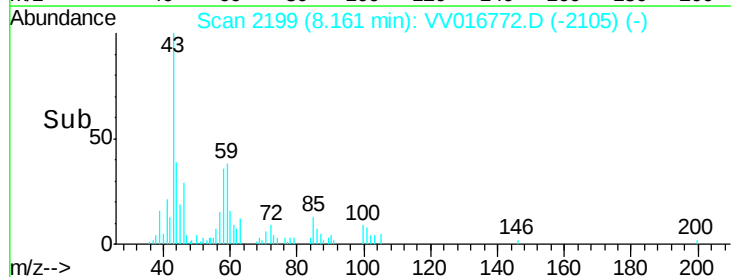
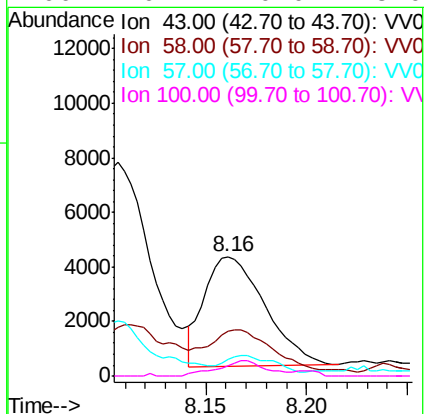
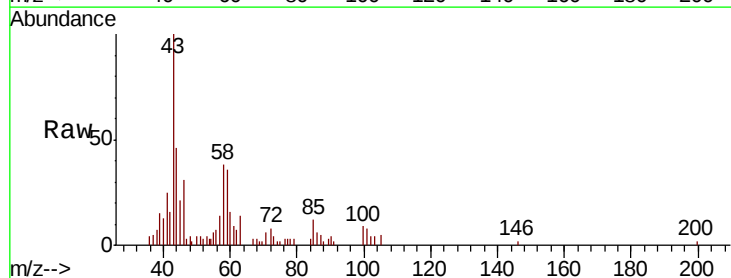
Ion Ratio Lower Upper

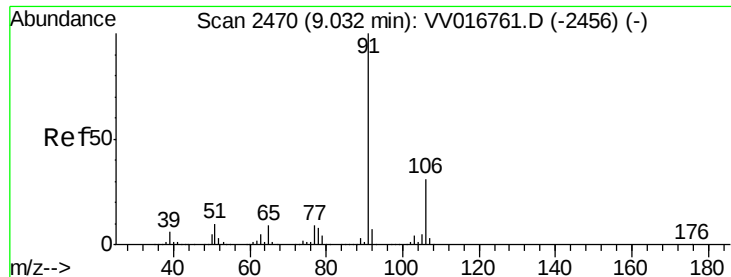
43 100

58 32.6 43.1 64.7#

57 4.5 15.3 22.9#

100 10.7 10.0 15.0





#52

Ethylbenzene

Concen: 11.121 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

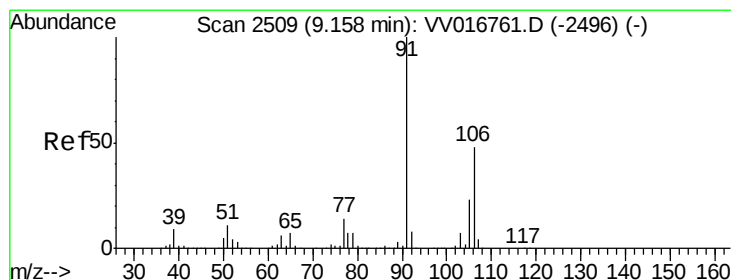
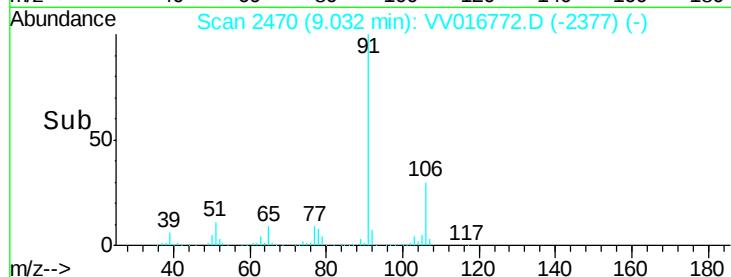
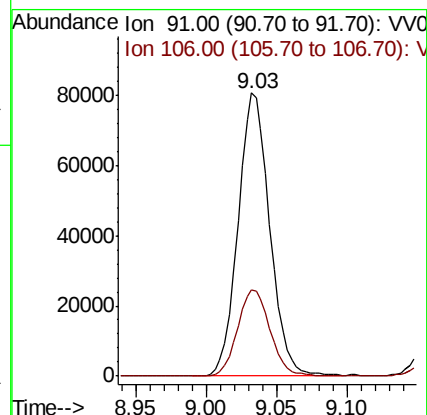
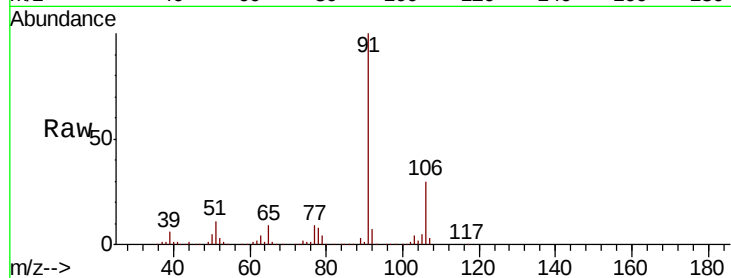
F9D96DL

Tot Ion: 91 Resp: 126933

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



#53

m,p-Xylene

Concen: 2.120 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016772.D

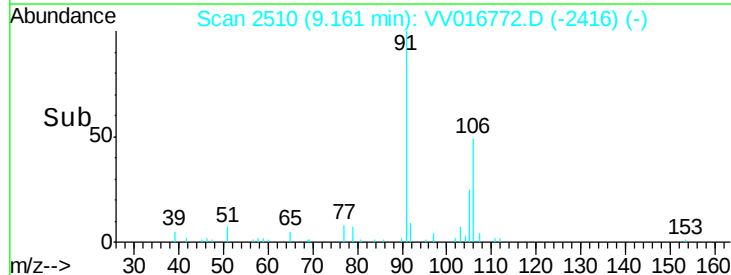
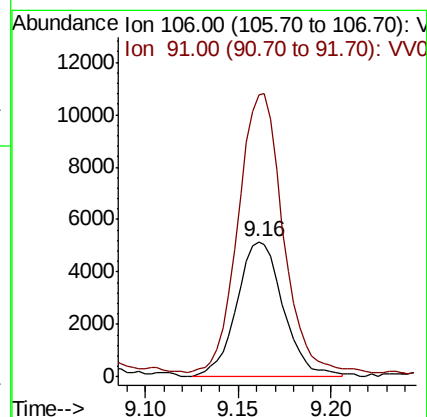
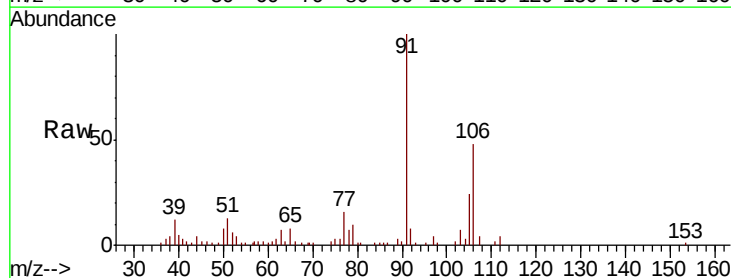
Acq: 10 Jun 2020 16:26

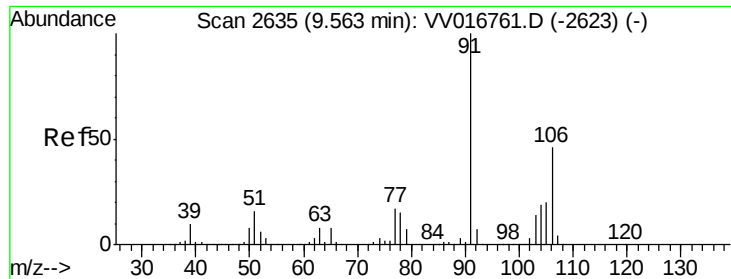
Tgt Ion: 106 Resp: 9011

Ion Ratio Lower Upper

106 100

91 208.3 144.6 268.6





#54

o-xylene

Concen: 3.189 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016772.D

Acq: 10 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

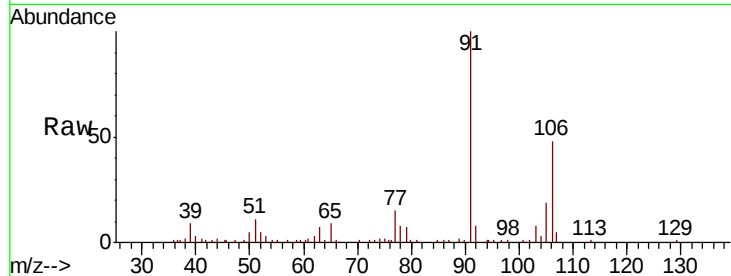
F9D96DL

Tot Ion:106 Resp: 13366

Ion Ratio Lower Upper

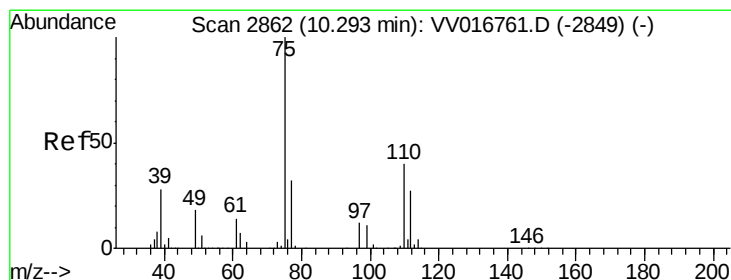
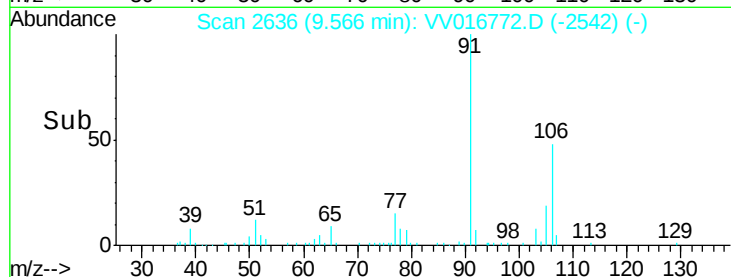
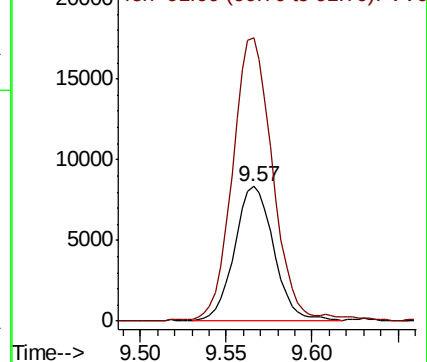
106 100

91 210.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): VV016772.D (-2542) (-)

Ion 91.00 (90.70 to 91.70): VV016772.D (-2542) (-)



#59

1,2,3-Trichloropropane

Concen: 6.753 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV016772.D

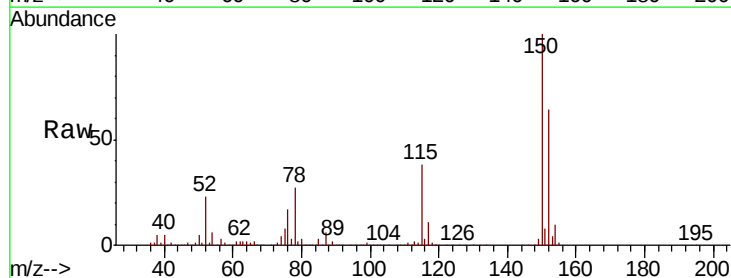
Acq: 10 Jun 2020 16:26

Tgt Ion: 75 Resp: 21300

Ion Ratio Lower Upper

75 100

77 38.8 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016772.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV016772.D (-2240) (-)

