

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016895.D
 Acq On : 12 Jun 2020 21:45
 Operator : SY/MD
 Sample : L2914-07 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E02

Quant Time: Jun 13 03:11:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380629	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	351777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176175	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	95971	35.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.46%
7) Chloroethane-d5	1.57	69	57748	35.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.66%
11) 1,1-Dichloroethene-d2	2.11	63	141773	31.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.86%
21) 2-Butanone-d5	3.90	46	180477	90.79	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.79%
24) Chloroform-d	4.37	84	234077	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
26) 1,2-Dichloroethane-d4	5.05	65	175177	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.07	84	455945	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
36) 1,2-Dichloropropane-d6	6.09	67	141057	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.26%
41) Toluene-d8	7.34	98	411920	44.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.54%
43) trans-1,3-Dichloropropene-	7.64	79	72151	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.66%
47) 2-Hexanone-d5	8.11	63	111066	80.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181653	43.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	175379	46.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.30%

Target Compounds

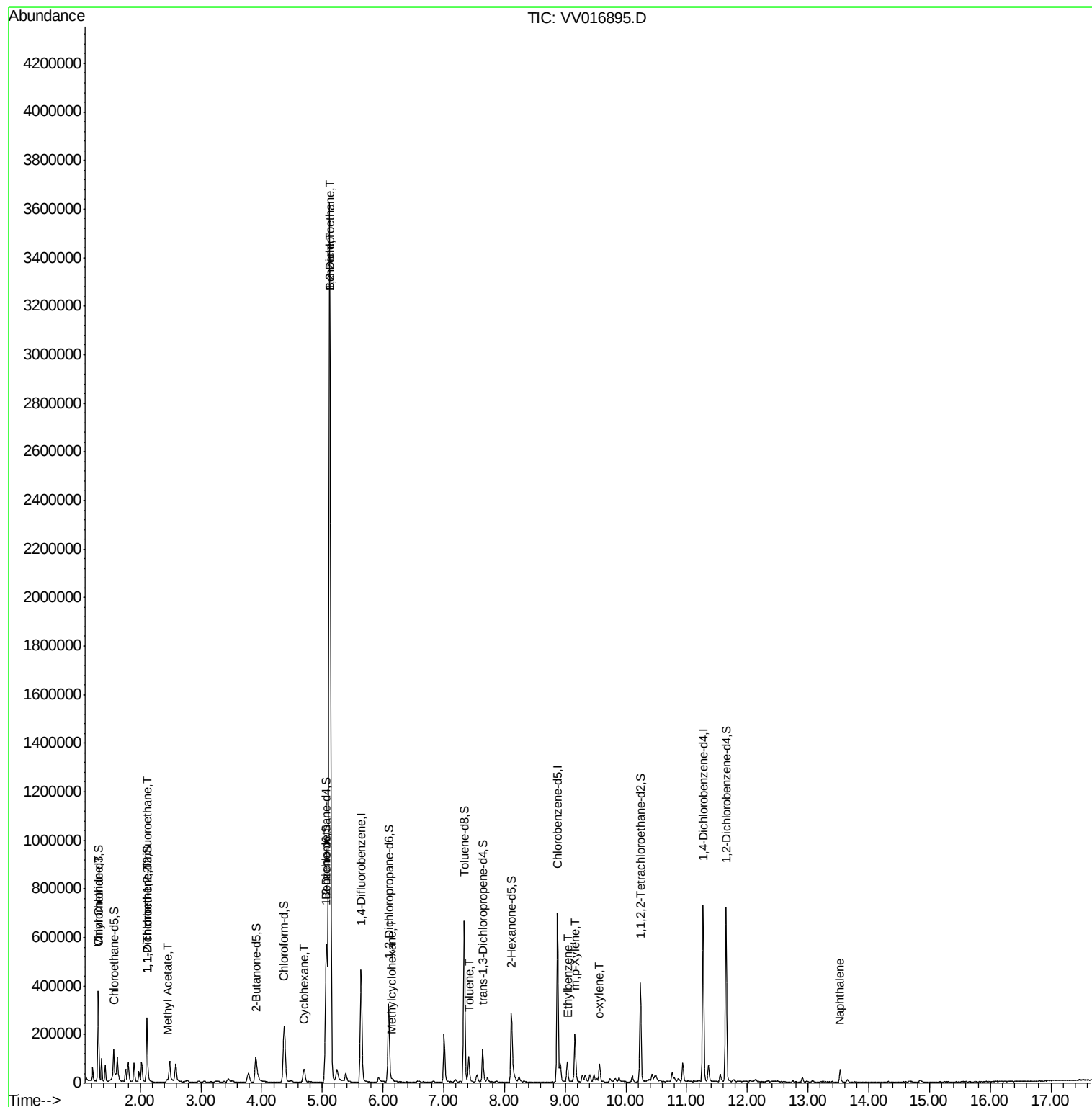
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	4550	1.649	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1481	0.732	ug/L #	17
12) 1,1-Dichloroethene	2.11	96	1498	0.793	ug/L #	1
15) Methyl Acetate	2.44	43	3149	1.079	ug/L #	66
27) 1,2-Dichloroethane	5.12	62	38967	9.329	ug/L #	74
29) Cyclohexane	4.70	56	28741	6.575	ug/L	98
33) Benzene	5.12	78	3447700	331.253	ug/L	100
35) Methylcyclohexane	6.15	83	4376	0.999	ug/L #	90
42) Toluene	7.41	91	71488	6.515	ug/L	99
52) Ethylbenzene	9.04	91	55451	4.563	ug/L	97
53) m,p-Xylene	9.16	106	50995	11.270	ug/L	100
54) o-xylene	9.57	106	19084	4.276	ug/L	100
69) Naphthalene	13.53	128	36470	3.322	ug/L	98

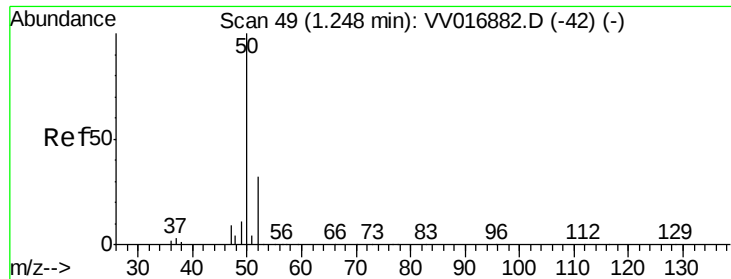
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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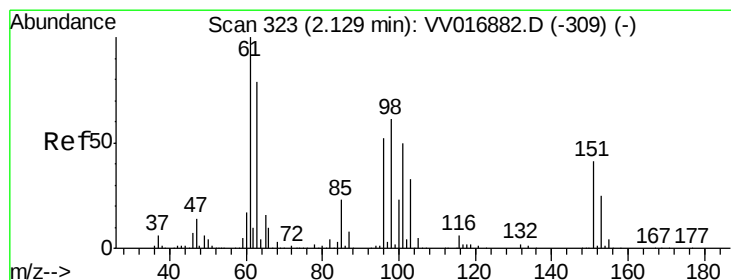
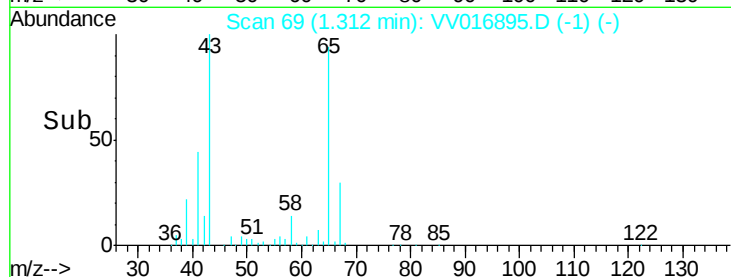
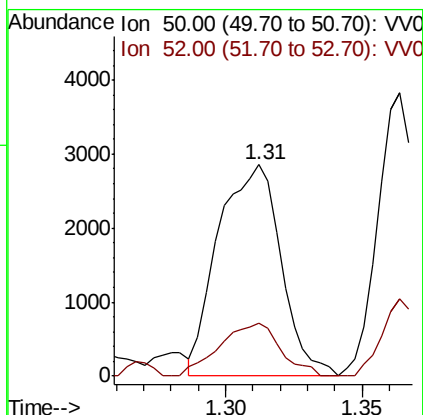
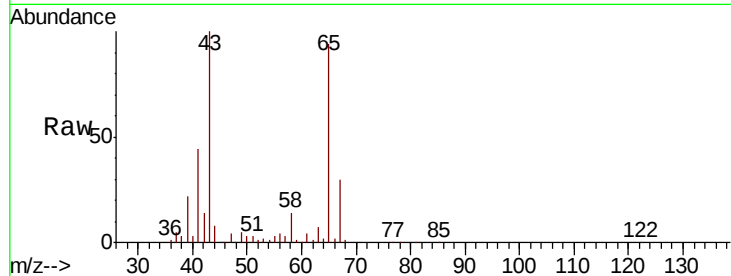




#3
Chloromethane
Concen: 1.649 ug/L
RT: 1.31 min Scan# 69
Delta R.T. 0.06 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

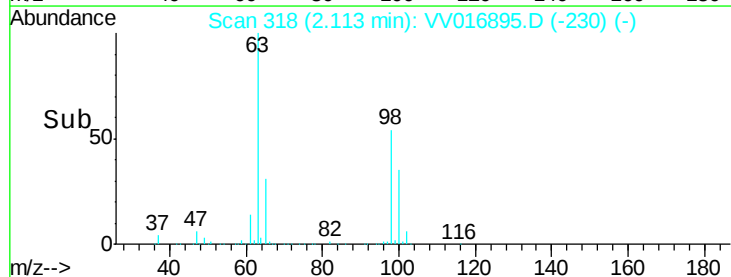
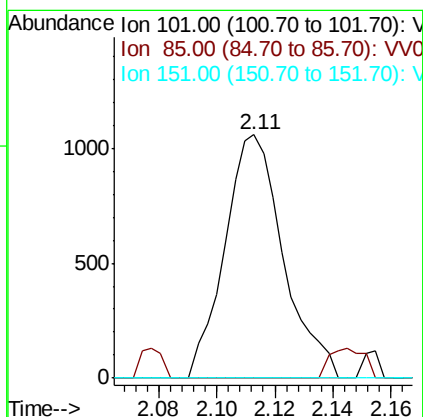
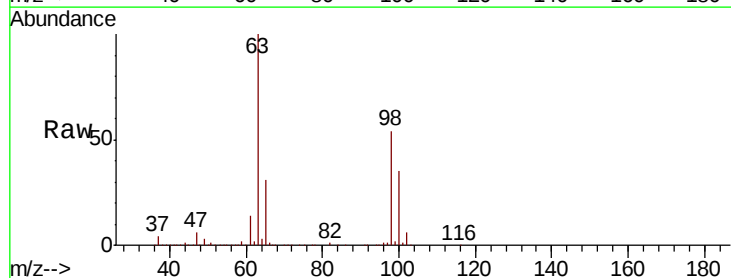
Instrument :
MSVOA_V
ClientSampleId :
F9E02

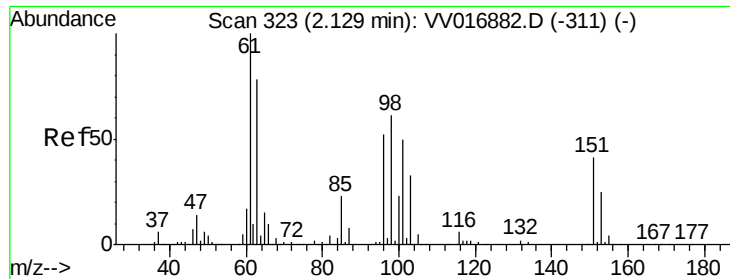
Tot Ion: 50 Resp: 4550
Ion Ratio Lower Upper
50 100
52 25.2 22.5 41.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.732 ug/L
RT: 2.11 min Scan# 318
Delta R.T. -0.02 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

Tgt Ion: 101 Resp: 1481
Ion Ratio Lower Upper
101 100
85 0.0 35.5 53.3#
151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.793 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016895.D

Acq: 12 Jun 2020 21:45

Instrument :

MSVOA_V

ClientSampled :

F9E02

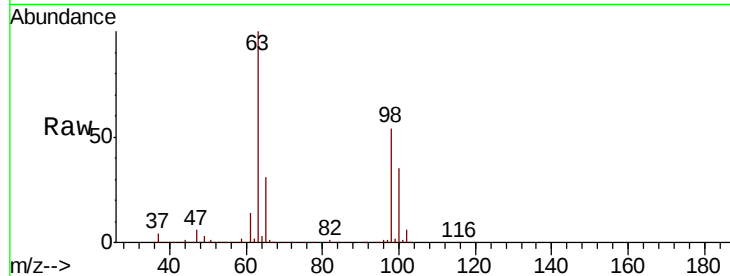
Tot Ion: 96 Resp: 1498

Ion Ratio Lower Upper

96 100

61 1177.8 130.4 242.2#

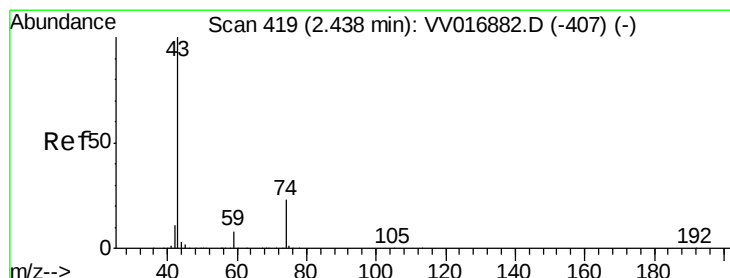
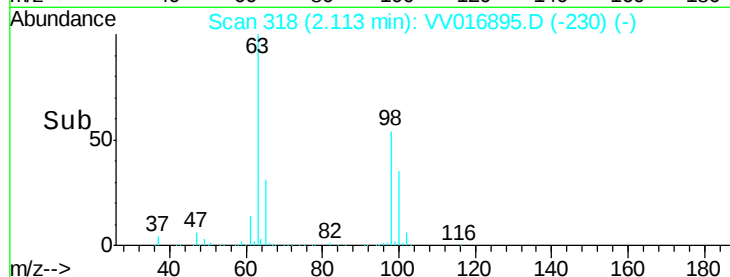
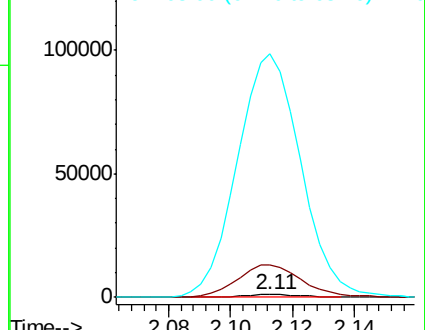
63 8697.7 103.3 191.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#15

Methyl Acetate

Concen: 1.079 ug/L

RT: 2.44 min Scan# 420

Delta R.T. 0.00 min

Lab File: VV016895.D

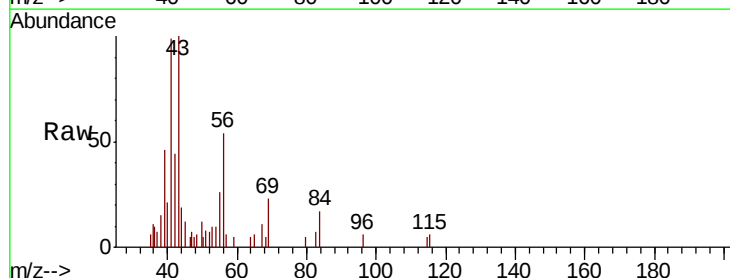
Acq: 12 Jun 2020 21:45

Tgt Ion: 43 Resp: 3149

Ion Ratio Lower Upper

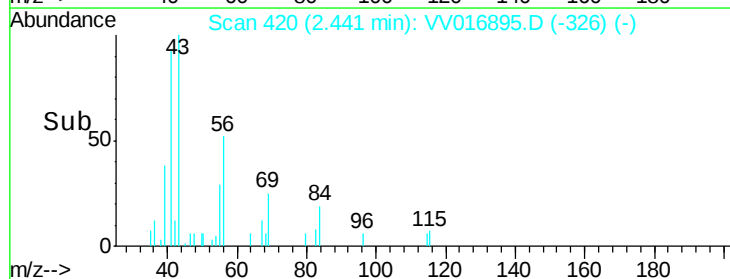
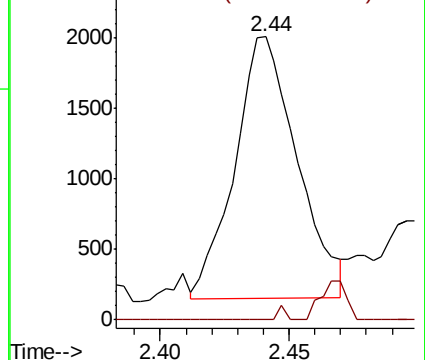
43 100

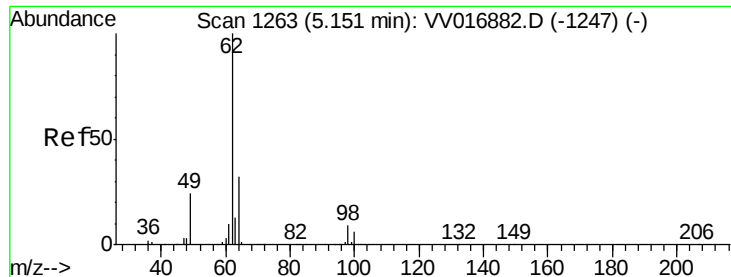
74 6.1 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





#27

1,2-Dichloroethane

Concen: 9.329 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV016895.D

Acq: 12 Jun 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

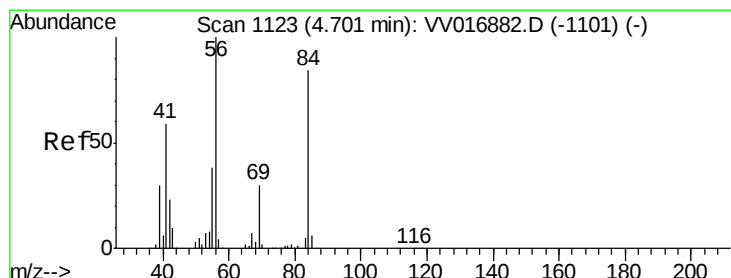
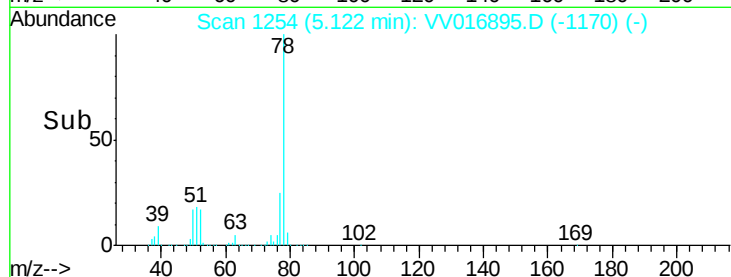
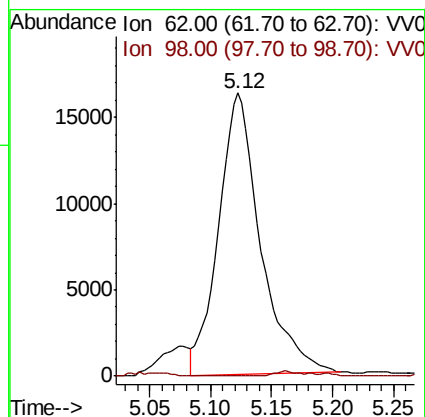
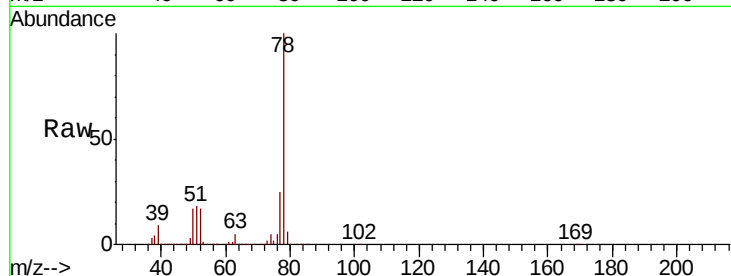
F9E02

Tot Ion: 62 Resp: 38967

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#



#29

Cyclohexane

Concen: 6.575 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV016895.D

Acq: 12 Jun 2020 21:45

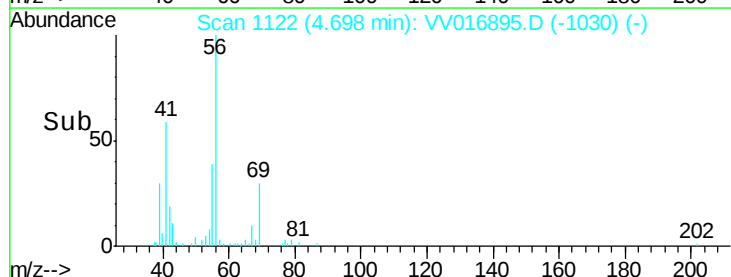
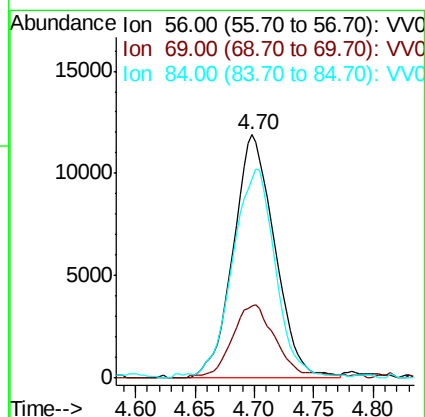
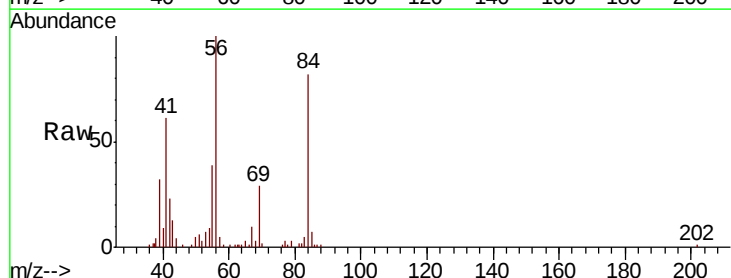
Tgt Ion: 56 Resp: 28741

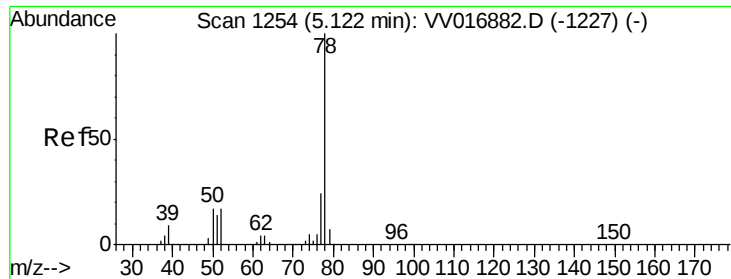
Ion Ratio Lower Upper

56 100

69 28.2 25.0 37.4

84 86.6 69.5 104.3

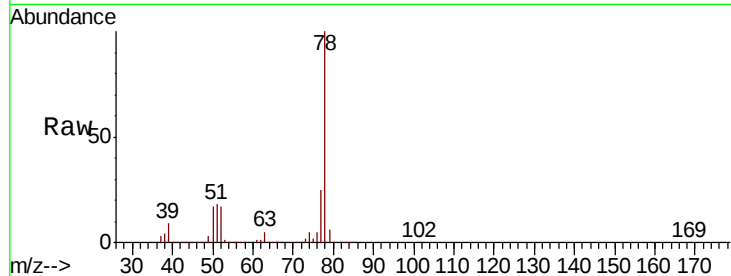




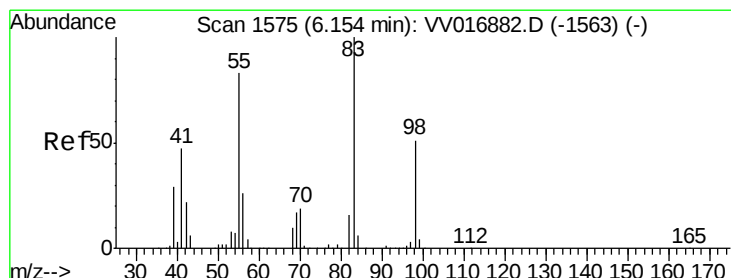
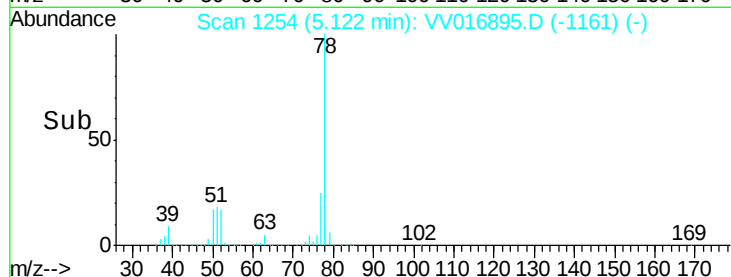
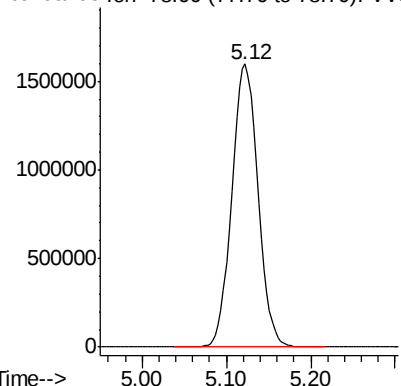
#33
Benzene
Concen: 331.253 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

Instrument :
MSVOA_V
ClientSampleId :
F9E02

Tgt Ion: 78 Resp: 3447700

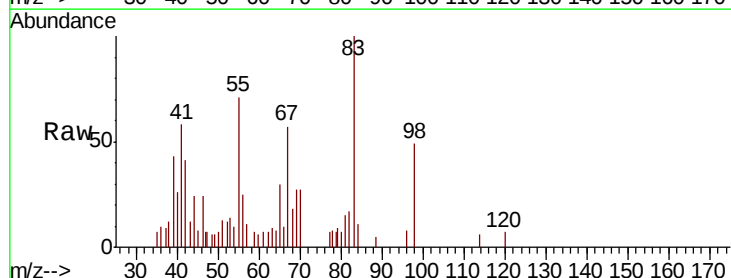


Abundance Ion 78.00 (77.70 to 78.70): VV0

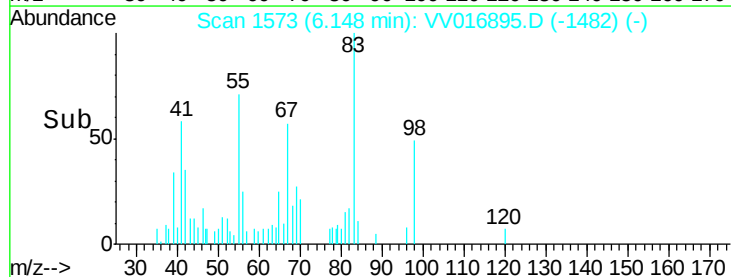
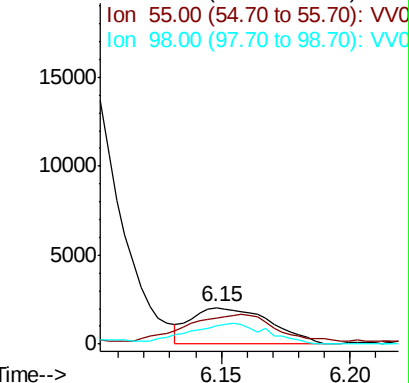


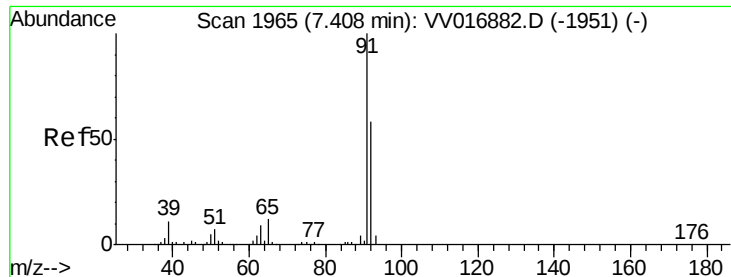
#35
Methylcyclohexane
Concen: 0.999 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

Tgt Ion: 83 Resp: 4376
Ion Ratio Lower Upper
83 100
55 82.2 64.2 96.2
98 35.3 40.3 60.5#



Abundance Ion 83.00 (82.70 to 83.70): VV0





#42

Toluene

Concen: 6.515 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016895.D

Acq: 12 Jun 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

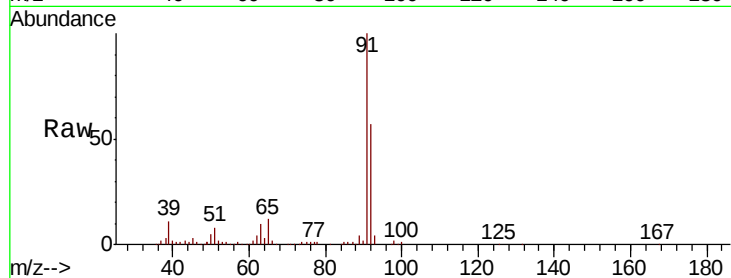
F9E02

Tot Ion: 91 Resp: 71488

Ion Ratio Lower Upper

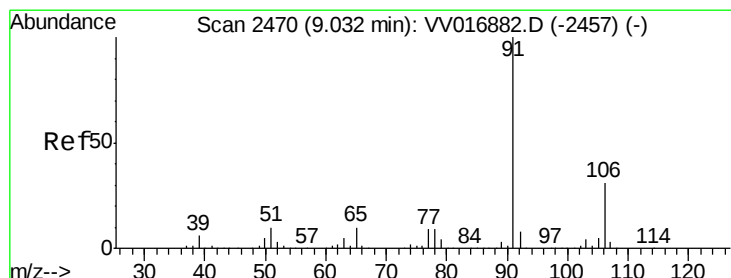
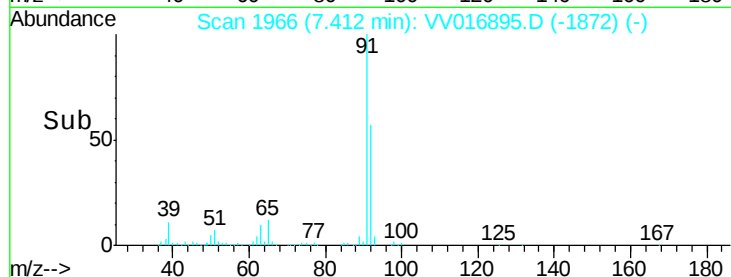
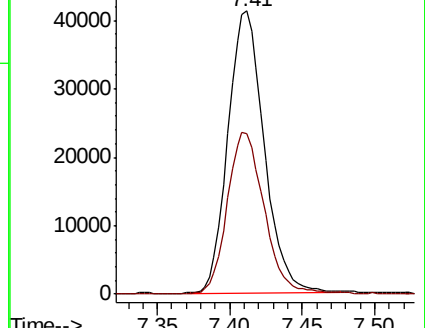
91 100

92 56.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016882.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV016882.D (-1951) (-)



#52

Ethylbenzene

Concen: 4.563 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016895.D

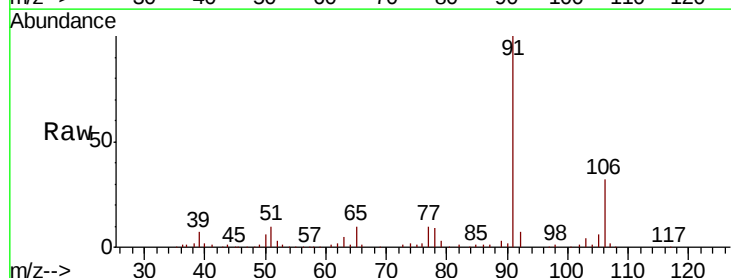
Acq: 12 Jun 2020 21:45

Tgt Ion: 91 Resp: 55451

Ion Ratio Lower Upper

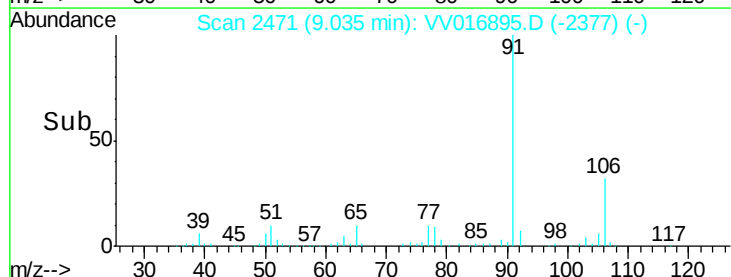
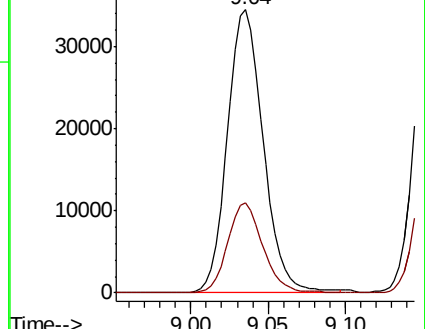
91 100

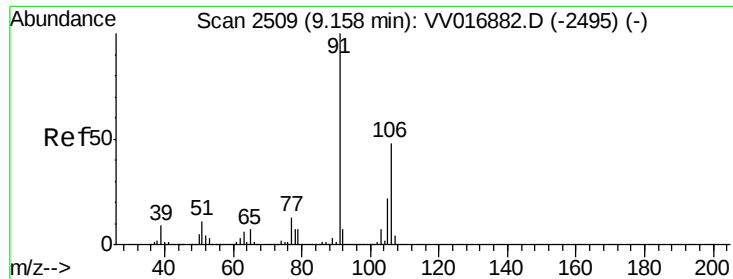
106 31.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016882.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV016882.D (-2457) (-)

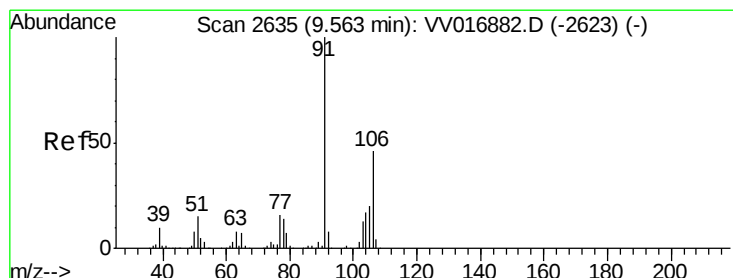
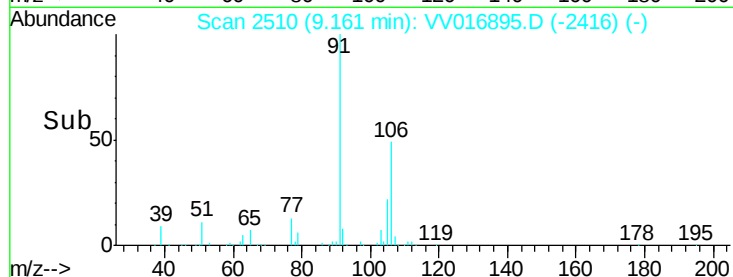
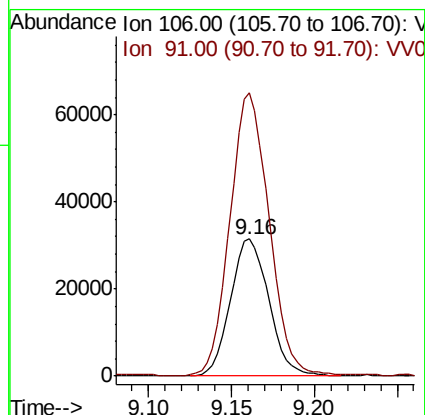
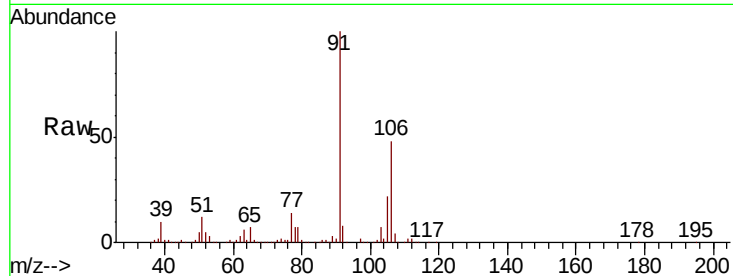




#53
m,p-Xylene
Concen: 11.270 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

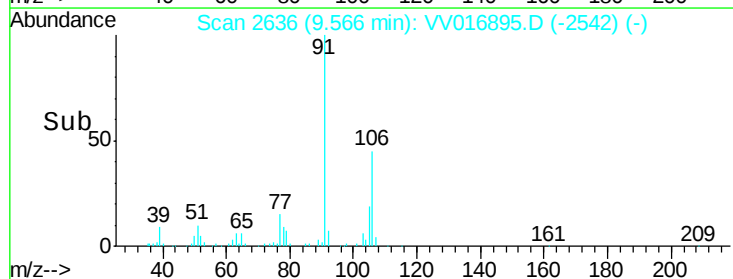
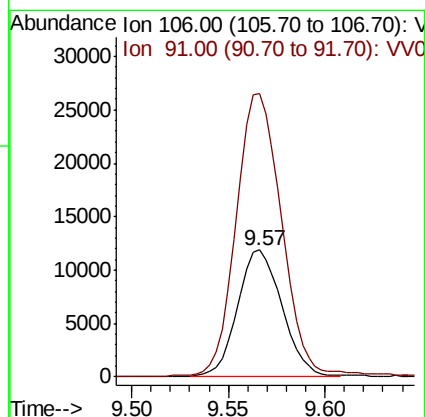
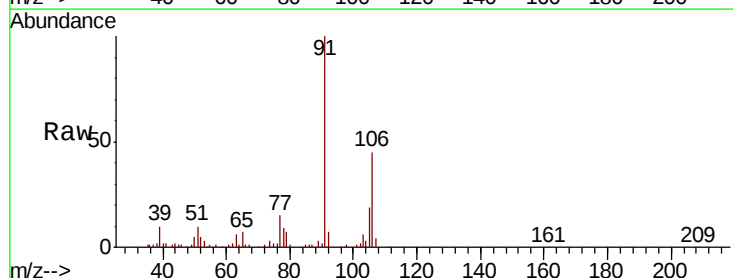
Instrument :
MSVOA_V
ClientSampleId :
F9E02

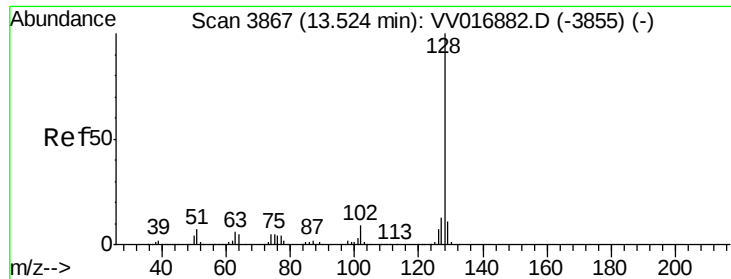
Tot Ion:106 Resp: 50995
Ion Ratio Lower Upper
106 100
91 206.3 144.6 268.6



#54
o-xylene
Concen: 4.276 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016895.D
Acq: 12 Jun 2020 21:45

Tgt Ion:106 Resp: 19084
Ion Ratio Lower Upper
106 100
91 222.8 155.9 289.5





#69

Naphthalene

Concen: 3.322 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016895.D

Acq: 12 Jun 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

F9E02

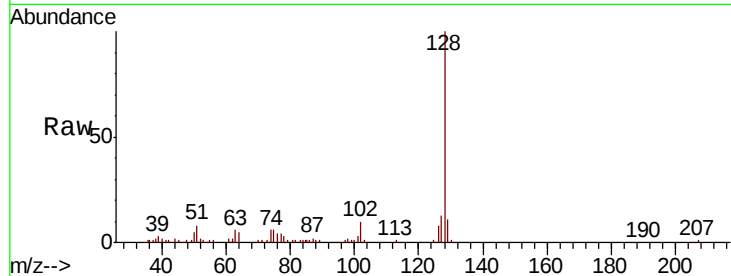
Tot Ion:128 Resp: 36470

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 11.3 8.7 13.1



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

