

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016774.D
 Acq On : 10 Jun 2020 17:14
 Operator : SY/MD
 Sample : L2914-05 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E00

Quant Time: Jun 11 01:08:36 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	351922	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	328615	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172984	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	121932	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.20%
7) Chloroethane-d5	1.54	69	61153	41.04	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.08%
11) 1,1-Dichloroethene-d2	2.11	63	143769	34.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.96%
21) 2-Butanone-d5	3.90	46	165316	89.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.95%
24) Chloroform-d	4.37	84	218883	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
26) 1,2-Dichloroethane-d4	5.05	65	161229	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
32) Benzene-d6	5.07	84	439790	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
36) 1,2-Dichloropropane-d6	6.09	67	133933	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.72%
41) Toluene-d8	7.33	98	402138	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%
43) trans-1,3-Dichloropropene-	7.64	79	67054	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
47) 2-Hexanone-d5	8.11	63	105215	81.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.73%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179488	45.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	178924	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%

Target Compounds

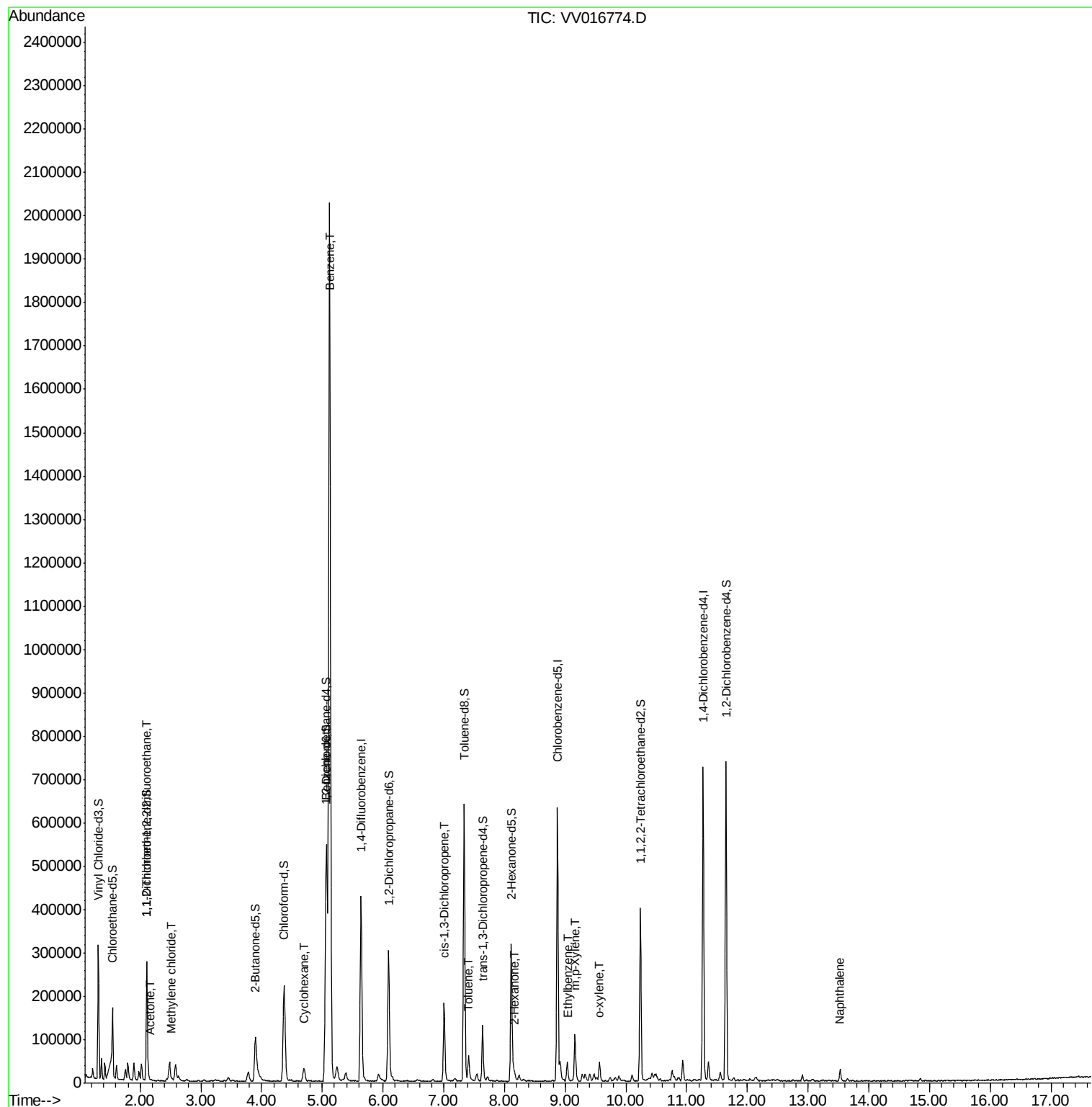
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1527	0.816	ug/L #	21
13) Acetone	2.17	43	1283	1.059	ug/L	76
16) Methylene chloride	2.52	84	1893	0.739	ug/L	75
29) Cyclohexane	4.69	56	15621	3.825	ug/L	99
33) Benzene	5.12	78	1942141	199.752	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	5136	1.308	ug/L	84
42) Toluene	7.41	91	40644	3.965	ug/L	99
48) 2-Hexanone	8.16	43	9469	3.408	ug/L #	86
52) Ethylbenzene	9.04	91	28657	2.524	ug/L	95
53) m,p-Xylene	9.16	106	28254	6.684	ug/L	99
54) o-xylene	9.57	106	10843	2.601	ug/L	95
69) Naphthalene	13.53	128	21109	1.958	ug/L	99

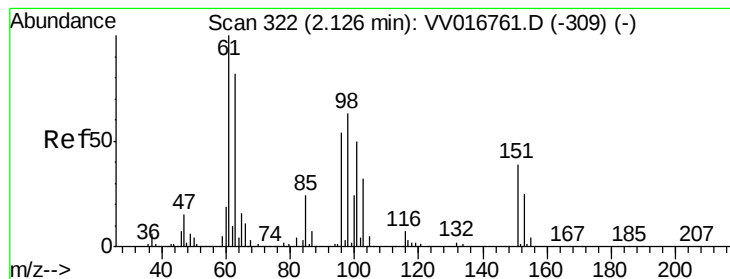
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.816 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV016774.D

Acq: 10 Jun 2020 17:14

Instrument :

MSVOA_V

ClientSampled :

F9E00

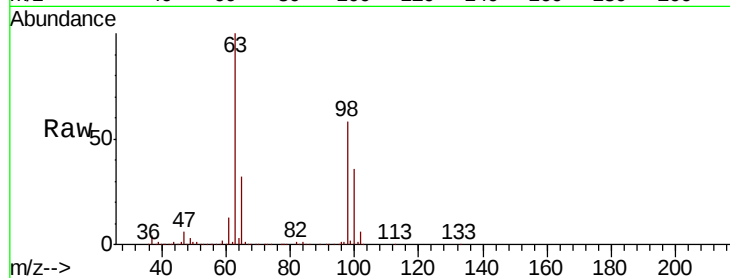
Tot Ion:101 Resp: 1527

Ion Ratio Lower Upper

101 100

85 6.8 35.5 53.3#

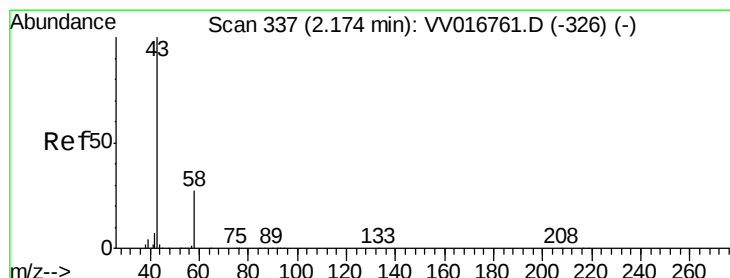
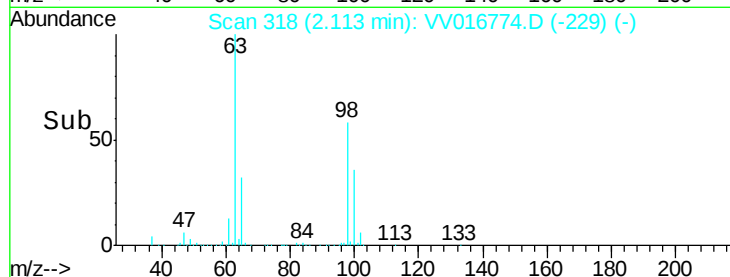
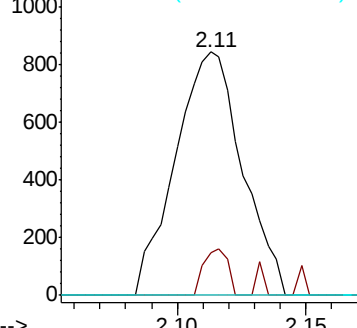
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.059 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016774.D

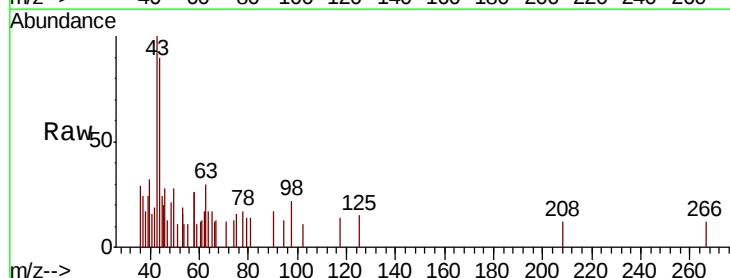
Acq: 10 Jun 2020 17:14

Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

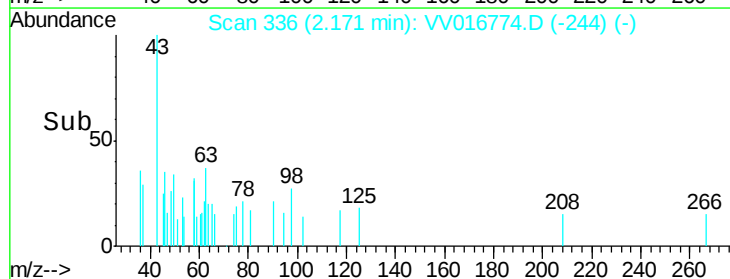
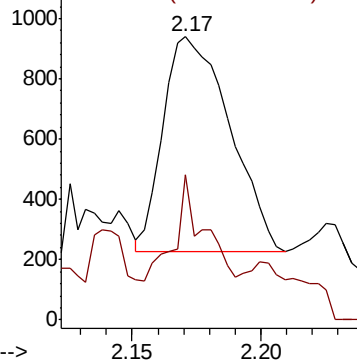
43 100

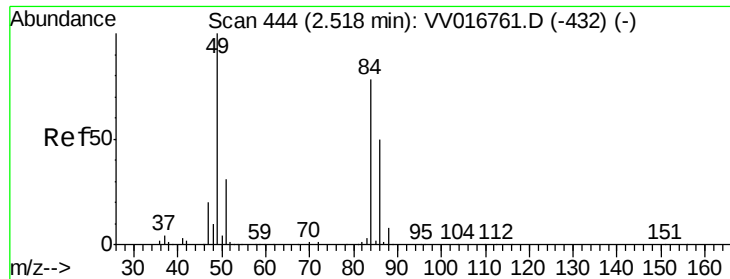
58 15.0 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

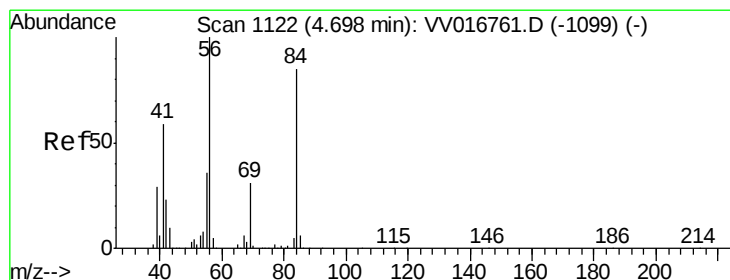
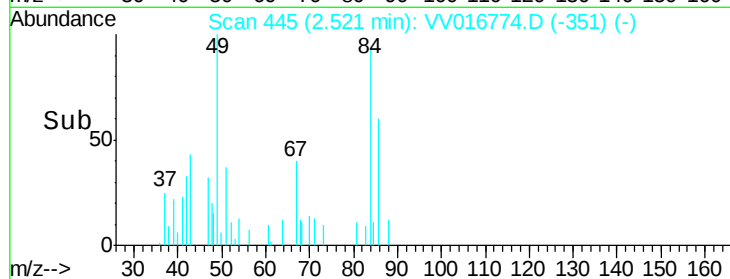
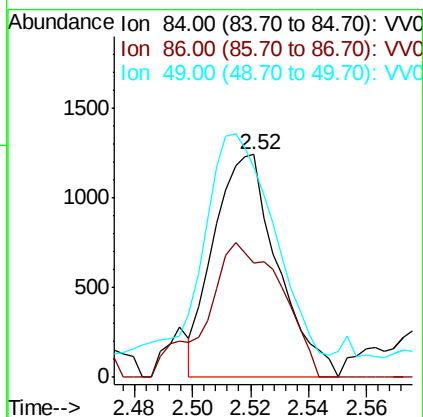
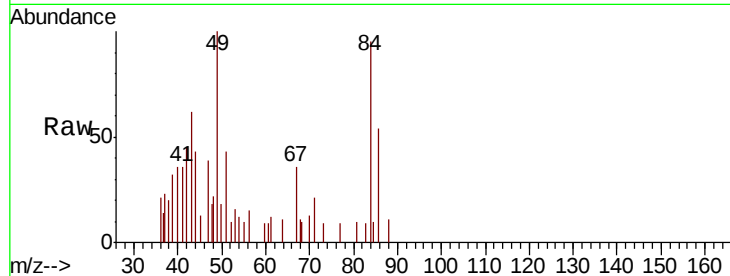




#16
Methvlene chloride
Concen: 0.739 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

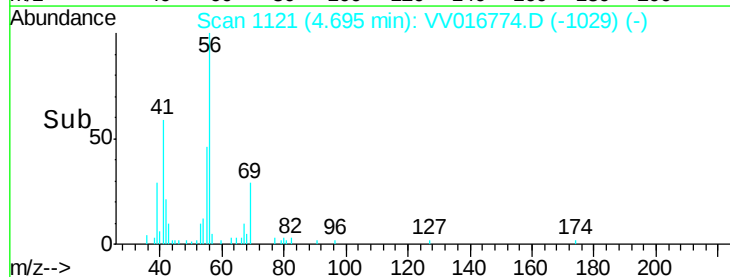
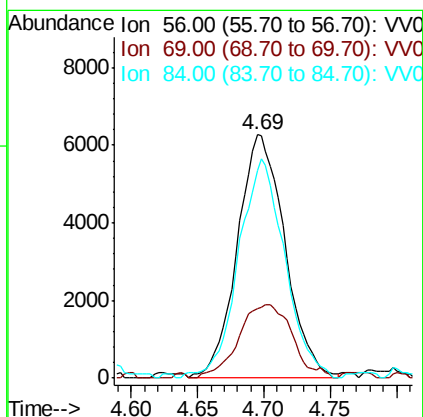
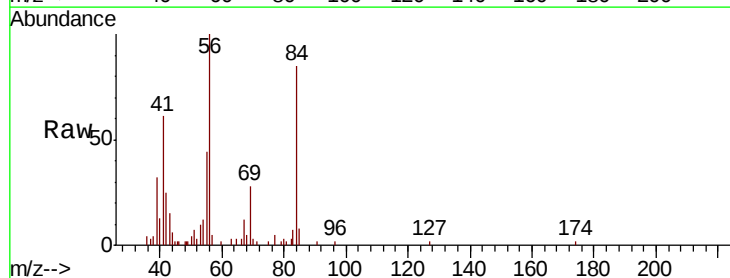
Instrument :
MSVOA_V
ClientSampleId :
F9E00

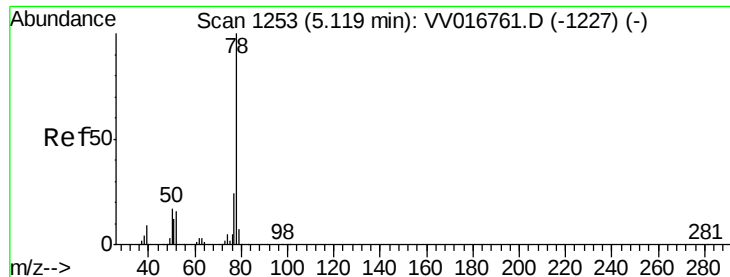
Tot Ion: 84 Resp: 1893
Ion Ratio Lower Upper
84 100
86 51.4 44.0 81.8
49 94.6 90.9 168.9



#29
Cyclohexane
Concen: 3.825 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

Tgt Ion: 56 Resp: 15621
Ion Ratio Lower Upper
56 100
69 33.3 25.0 37.4
84 87.1 69.5 104.3





#33

Benzene

Concen: 199.752 ug/L

RT: 5.12 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VV016774.D

Acq: 10 Jun 2020 17:14

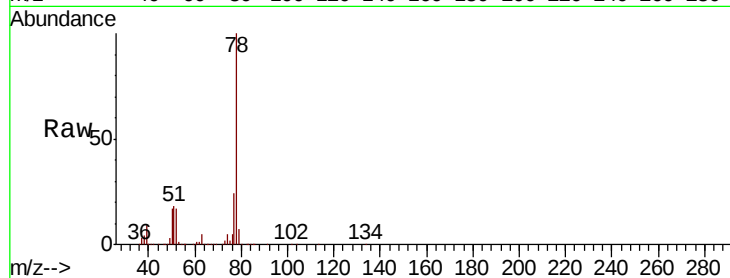
Instrument :

MSVOA_V

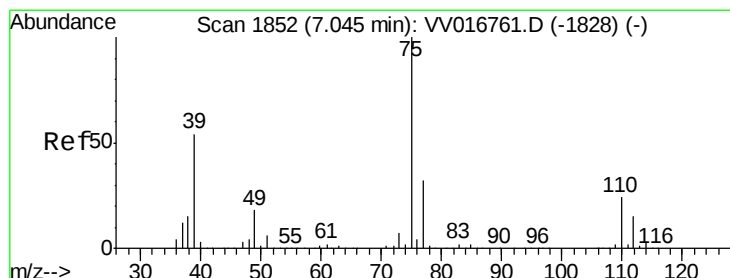
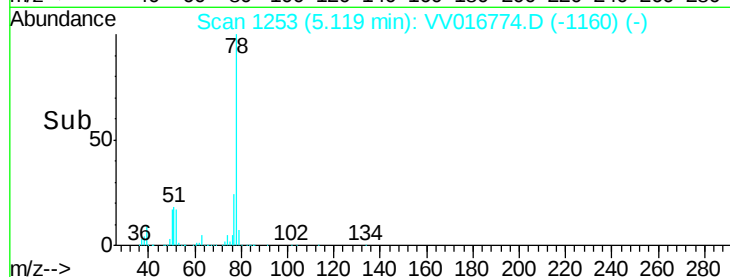
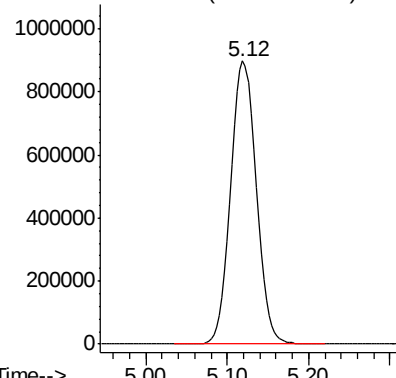
ClientSampleId :

F9E00

Tgt Ion: 78 Resp: 1942141



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.308 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV016774.D

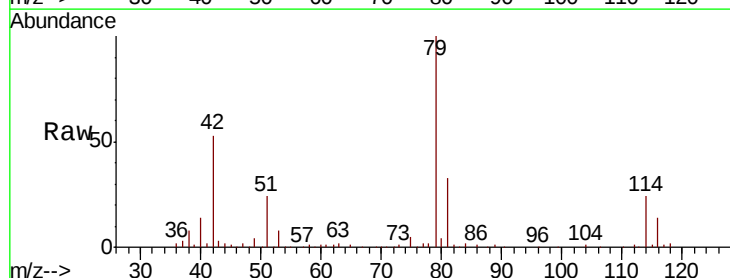
Acq: 10 Jun 2020 17:14

Tgt Ion: 75 Resp: 5136

Ion Ratio Lower Upper

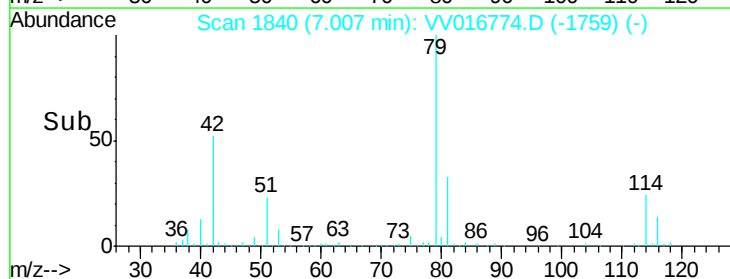
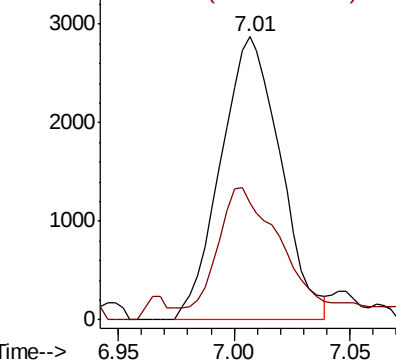
75 100

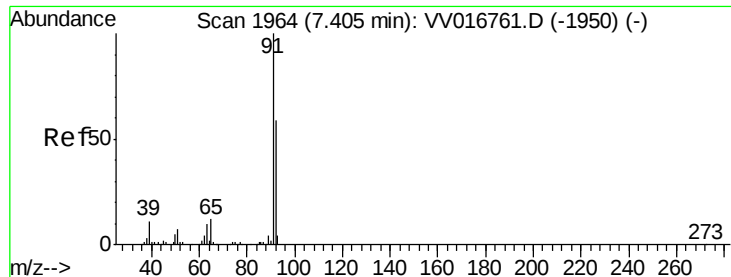
77 41.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#42

Toluene

Concen: 3.965 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016774.D

Acq: 10 Jun 2020 17:14

Instrument :

MSVOA_V

ClientSampled :

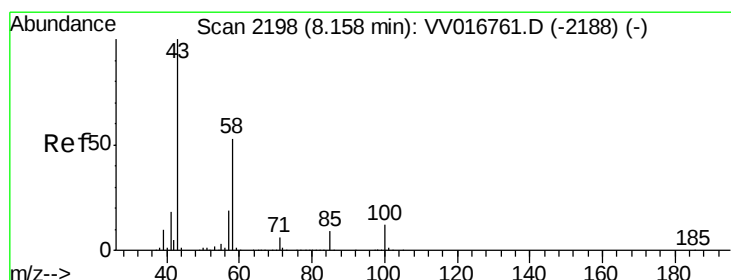
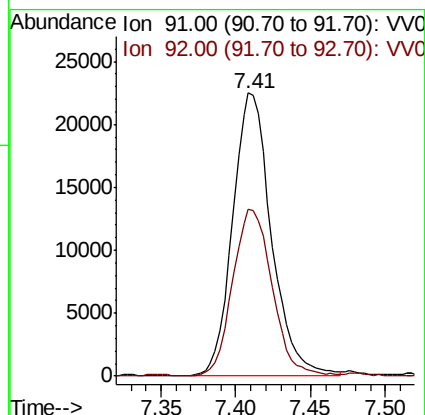
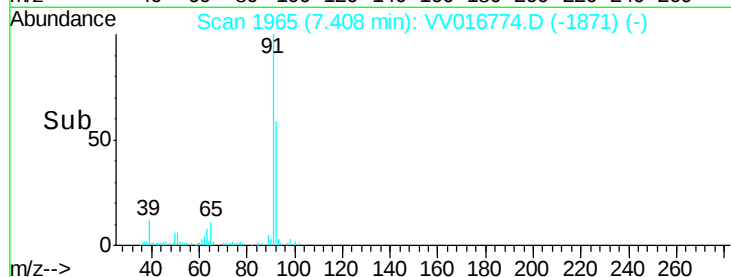
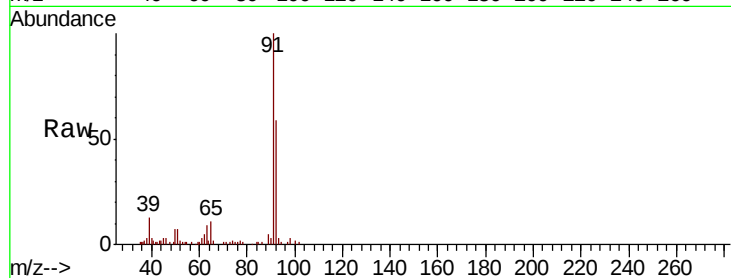
F9E00

Tot Ion: 91 Resp: 40644

Ion Ratio Lower Upper

91 100

92 58.8 40.4 75.0



#48

2-Hexanone

Concen: 3.408 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016774.D

Acq: 10 Jun 2020 17:14

Tgt Ion: 43 Resp: 9469

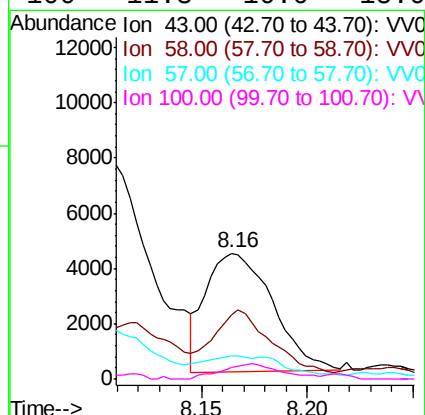
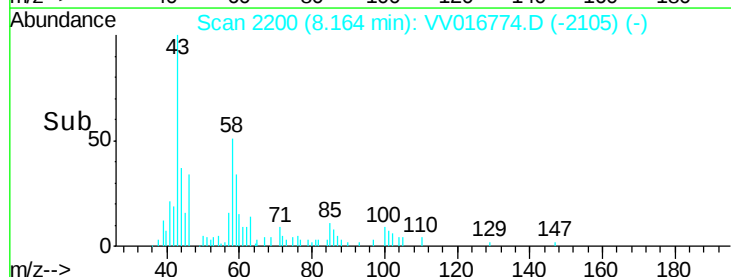
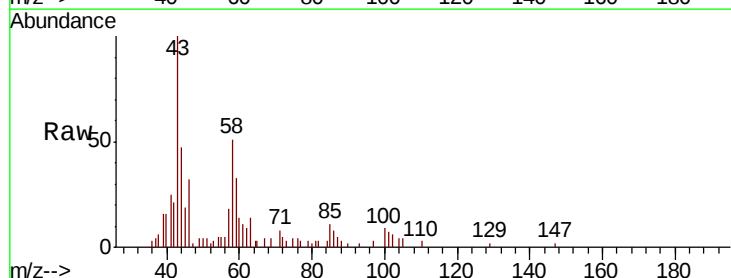
Ion Ratio Lower Upper

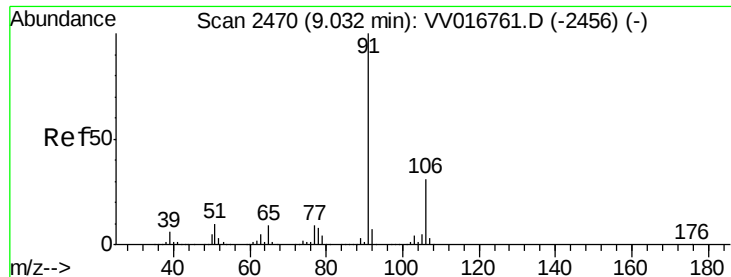
43 100

58 49.3 43.1 64.7

57 0.0 15.3 22.9#

100 11.3 10.0 15.0

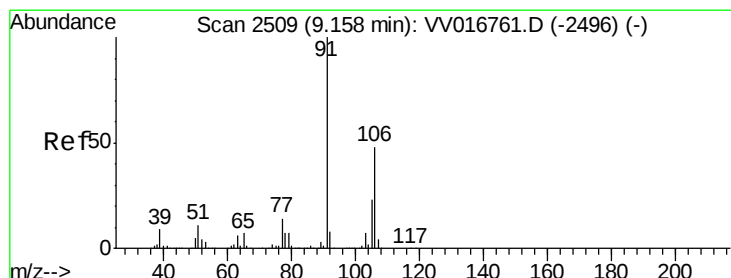
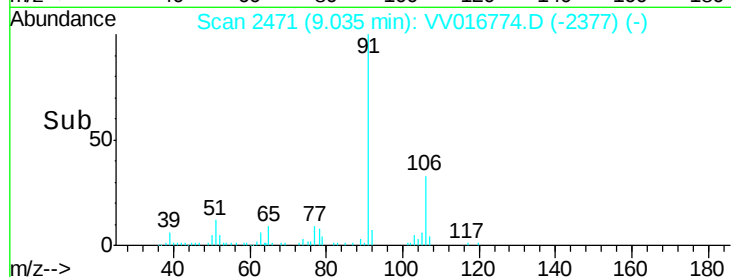
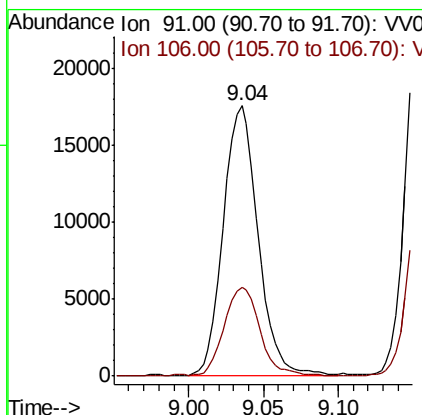
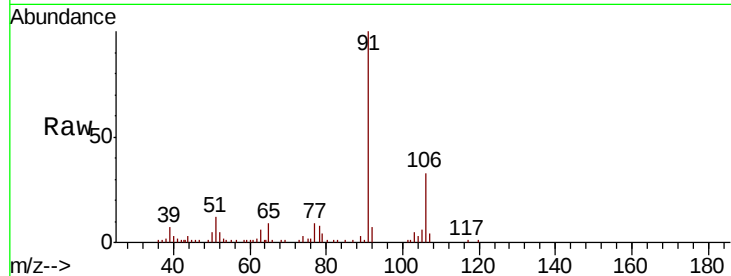




#52
Ethylbenzene
Concen: 2.524 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

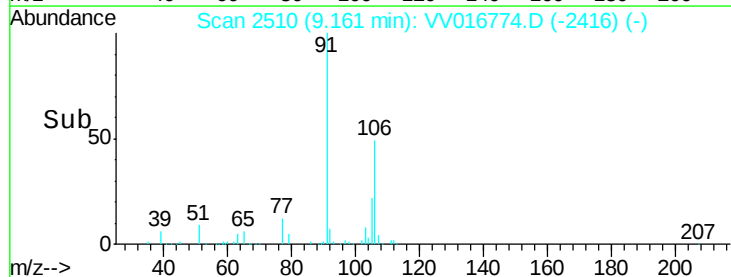
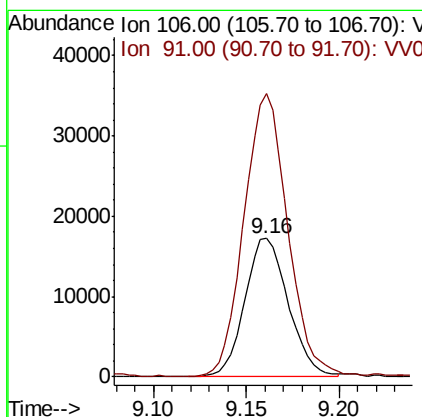
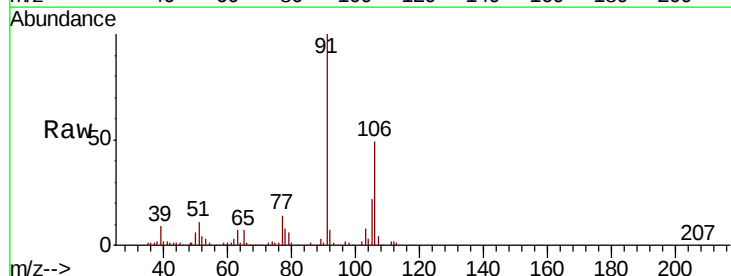
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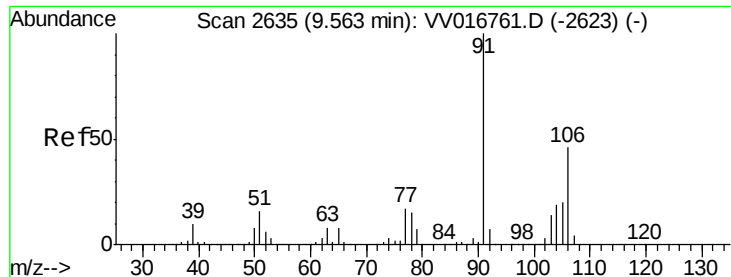
Tot Ion: 91 Resp: 28657
Ion Ratio Lower Upper
91 100
106 32.7 21.1 39.1



#53
m,p-Xylene
Concen: 6.684 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

Tgt Ion: 106 Resp: 28254
Ion Ratio Lower Upper
106 100
91 204.4 144.6 268.6

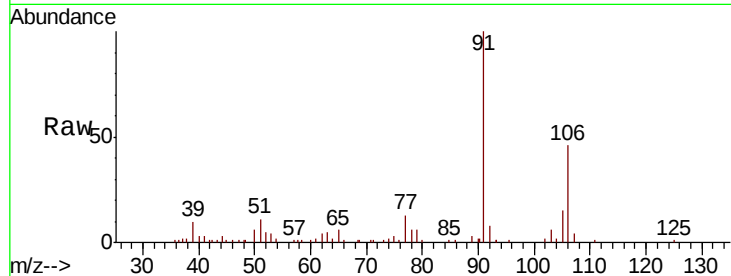




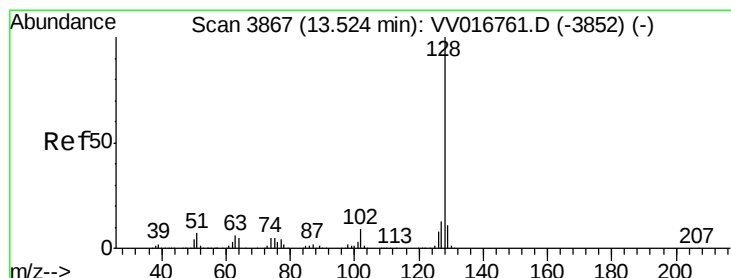
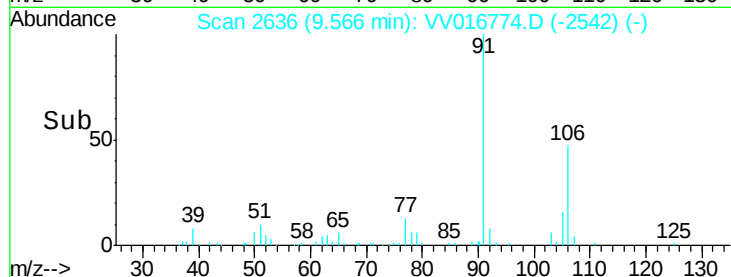
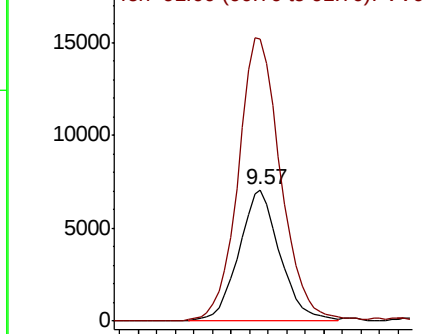
#54
o-xylene
Concen: 2.601 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

Instrument :
MSVOA_V
ClientSampleId :
F9E00

Tot Ion:106 Resp: 10843
Ion Ratio Lower Upper
106 100
91 215.3 155.9 289.5

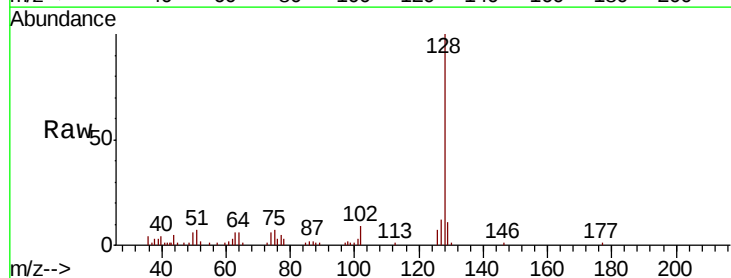


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#69
Naphthalene
Concen: 1.958 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016774.D
Acq: 10 Jun 2020 17:14

Tgt Ion:128 Resp: 21109
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.2 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

