

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016544.D
 Acq On : 05 Jun 2020 18:28
 Operator : SY/MD
 Sample : L2861-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:12:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	420656	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	398109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195108	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	117468	39.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.86%
7) Chloroethane-d5	1.56	69	81969	38.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.22%
11) 1,1-Dichloroethene-d2	2.11	63	154265	29.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.42%#
21) 2-Butanone-d5	3.89	46	180974	94.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.99%
24) Chloroform-d	4.37	84	230949	41.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.05	65	159178	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.02%
32) Benzene-d6	5.07	84	461889	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.62%
36) 1,2-Dichloropropane-d6	6.09	67	147141	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.56%
41) Toluene-d8	7.34	98	423722	43.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.50%
43) trans-1,3-Dichloropropene-	7.64	79	65211	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.54%
47) 2-Hexanone-d5	8.11	63	137942	96.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.93%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198906	44.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	177724	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%

Target Compounds

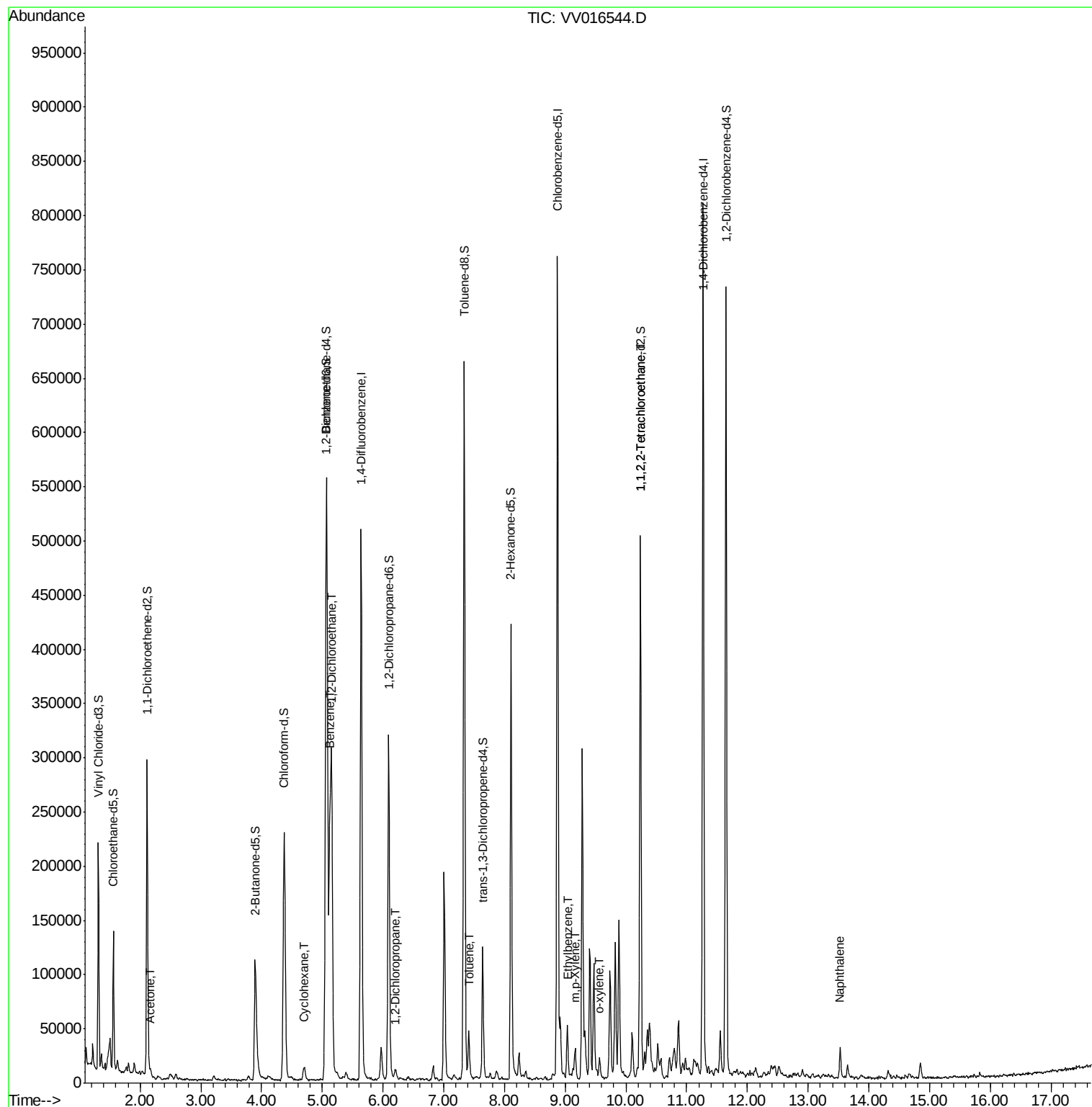
					Ovalue
13) Acetone	2.17	43	5098	2.863	ug/L 92
27) 1,2-Dichloroethane	5.15	62	245206	52.832	ug/L 98
29) Cyclohexane	4.71	56	6945	1.470	ug/L # 90
33) Benzene	5.12	78	223329	19.074	ug/L 100
37) 1,2-Dichloropropane	6.20	63	3505	1.149	ug/L # 90
42) Toluene	7.41	91	31684	2.554	ug/L 97
52) Ethylbenzene	9.04	91	32285	2.391	ug/L 97
53) m,p-Xylene	9.16	106	7495	1.472	ug/L 94
54) o-xylene	9.57	106	4552	0.923	ug/L 92
58) 1,1,2,2-Tetrachloroethane	10.25	83	3718	0.785	ug/L # 71
69) Naphthalene	13.53	128	21424	1.854	ug/L 97

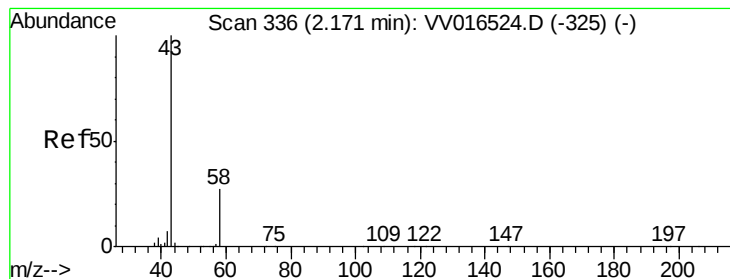
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.863 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016544.D

Acq: 05 Jun 2020 18:28

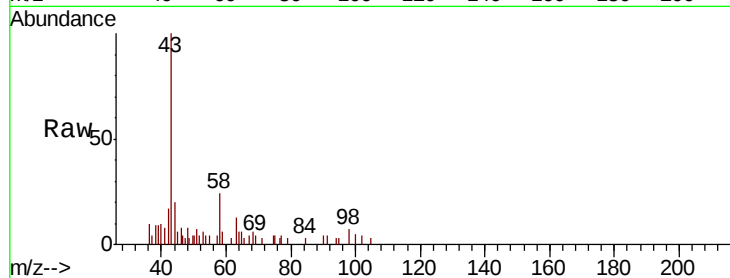
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5098

Ion Ratio Lower Upper

43 100

58 32.9 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016524.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016524.D (-325) (-)

2.17

3000

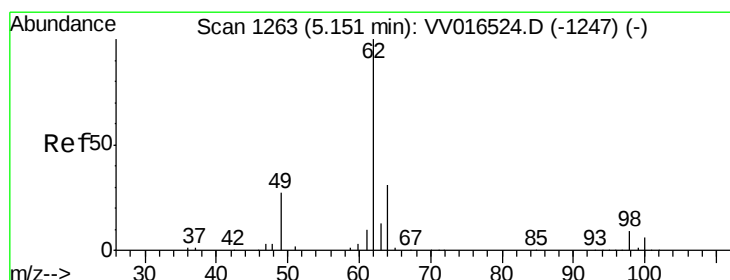
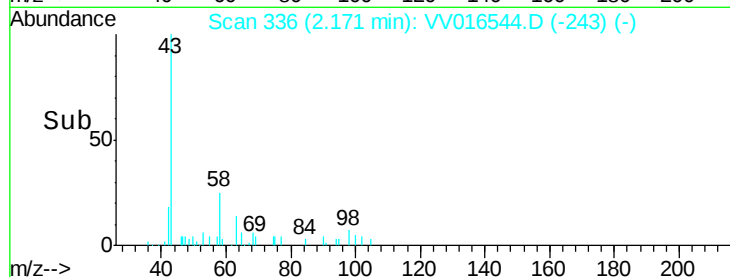
2000

1000

0

Time-->

2.15 2.20



#27

1,2-Dichloroethane

Concen: 52.832 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016544.D

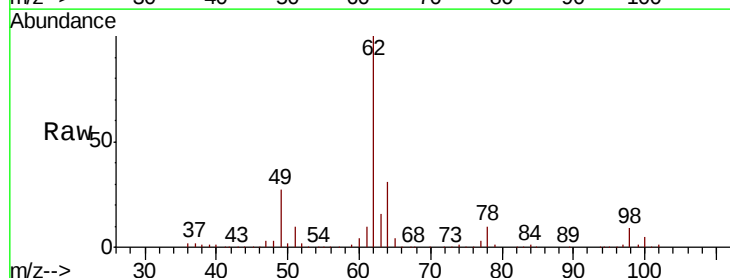
Acq: 05 Jun 2020 18:28

Tgt Ion: 62 Resp: 245206

Ion Ratio Lower Upper

62 100

98 9.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016524.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV016524.D (-1247) (-)

5.15

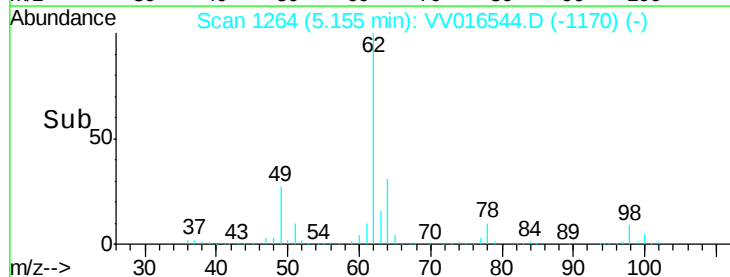
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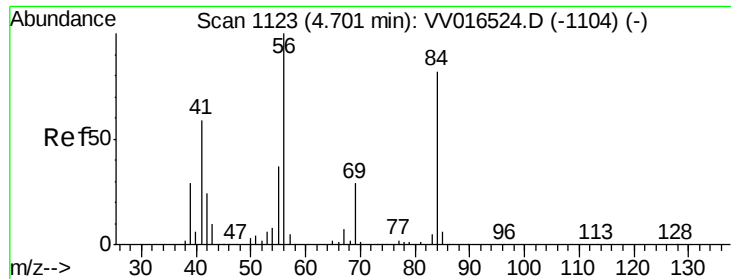
50000

0

Time-->

5.05 5.10 5.15 5.20 5.25

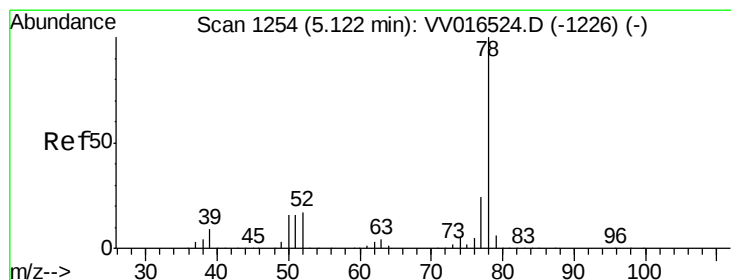
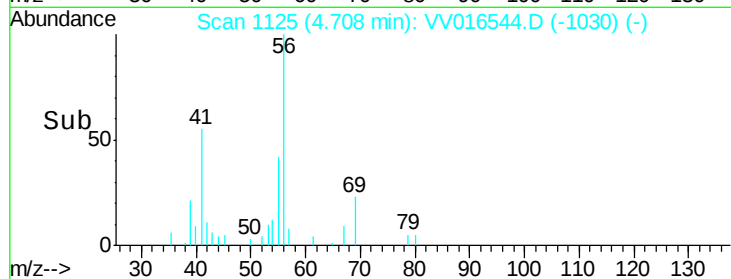
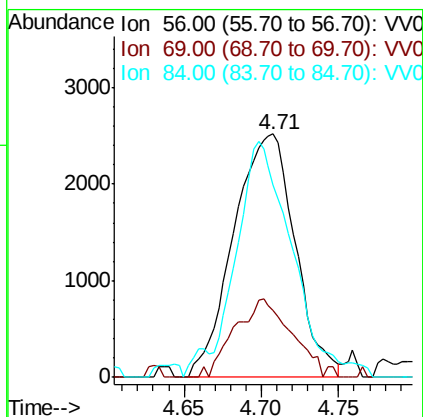
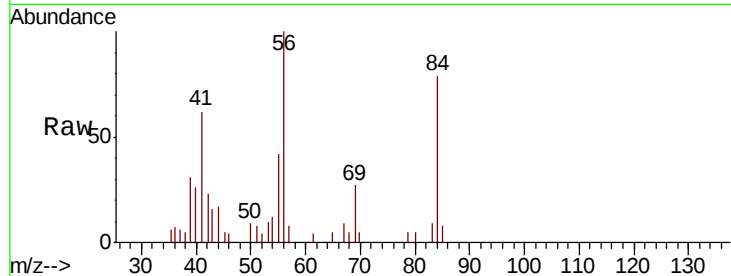




#29
Cyclohexane
Concen: 1.470 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

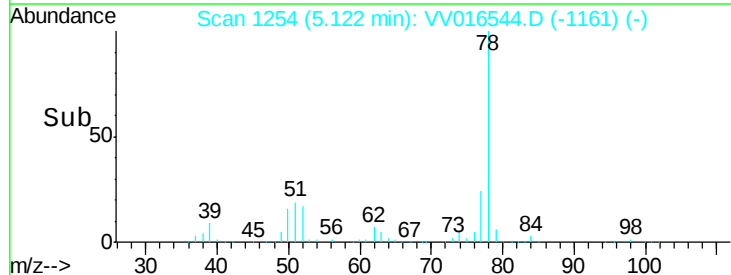
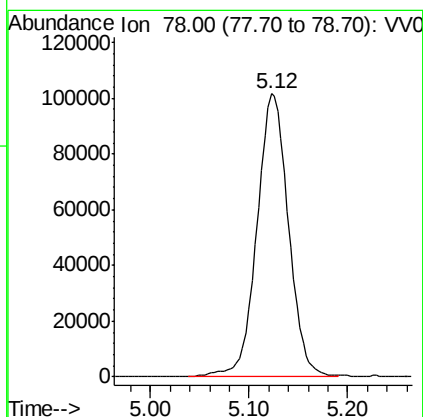
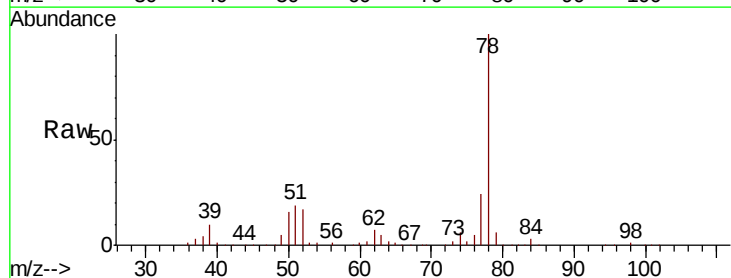
Instrument :
MSVOA_V
ClientSampleId :

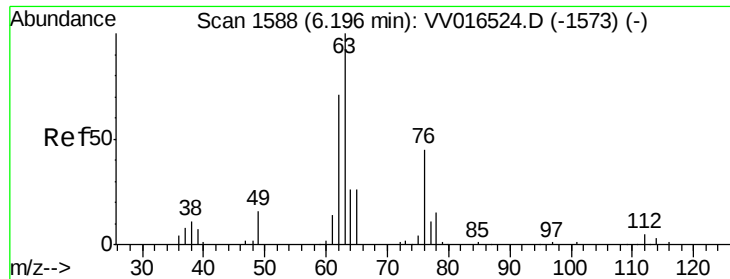
Tot Ion: 56 Resp: 6945
Ion Ratio Lower Upper
56 100
69 20.0 23.9 35.9#
84 78.9 68.2 102.2



#33
Benzene
Concen: 19.074 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

Tgt Ion: 78 Resp: 223329

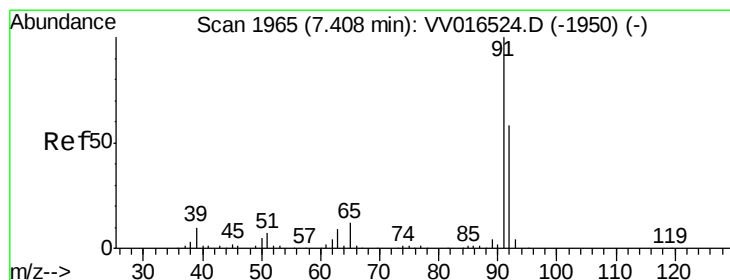
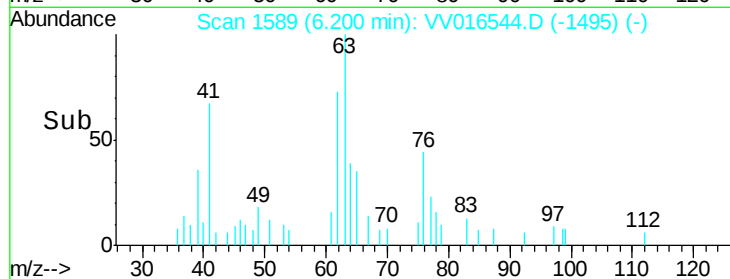
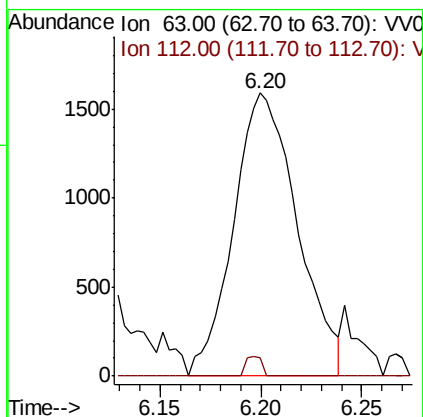
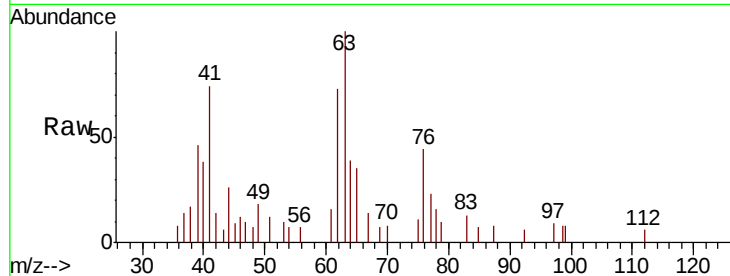




#37
 1,2-Dichloropropane
 Concen: 1.149 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016544.D
 Acq: 05 Jun 2020 18:28

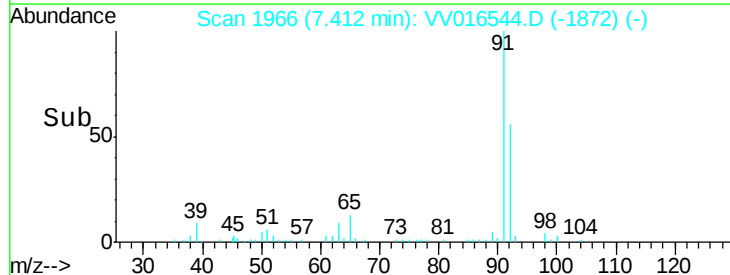
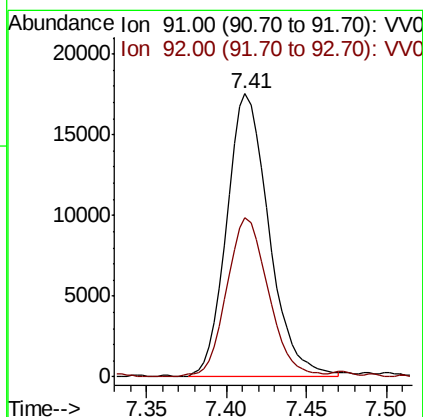
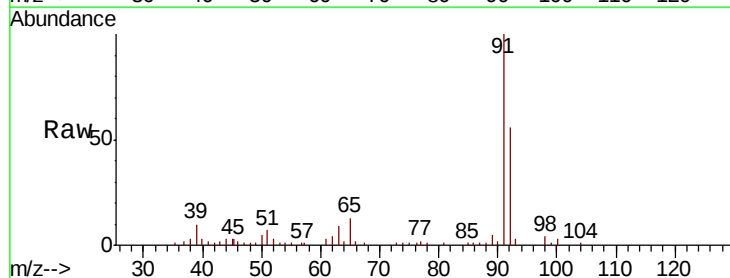
Instrument :
 MSVOA_V
 ClientSampleId :

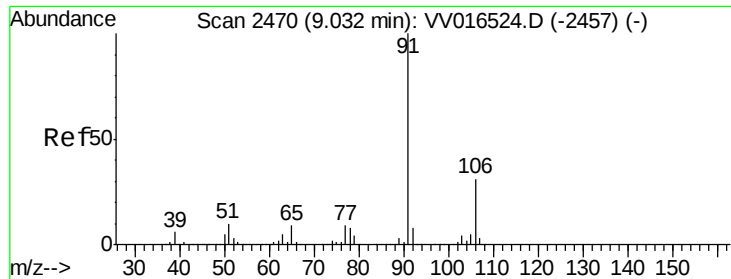
Tot Ion: 63 Resp: 3505
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.9 5.9#



#42
 Toluene
 Concen: 2.554 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016544.D
 Acq: 05 Jun 2020 18:28

Tgt Ion: 91 Resp: 31684
 Ion Ratio Lower Upper
 91 100
 92 56.3 40.9 75.9

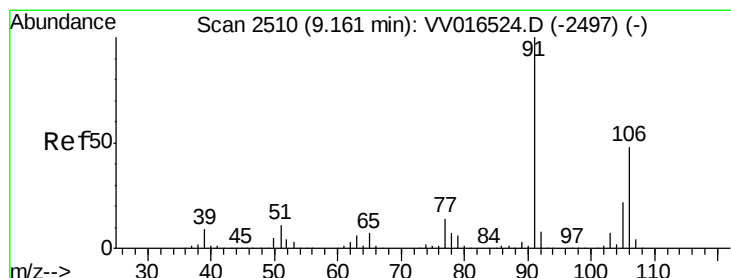
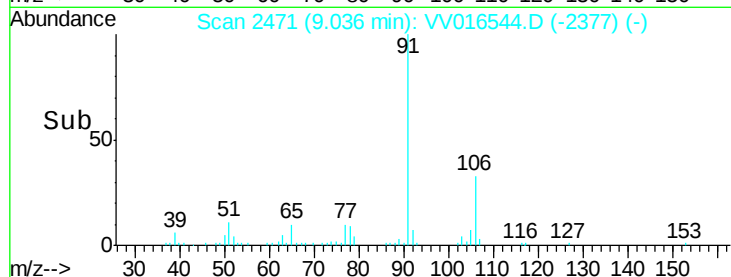
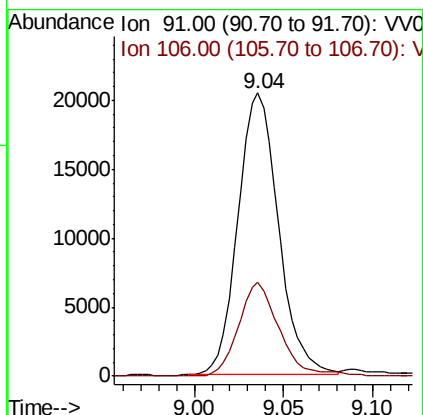
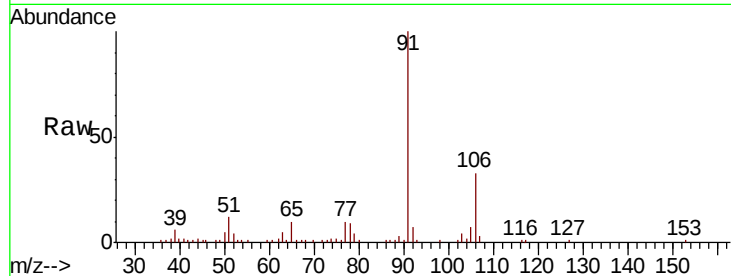




#52
Ethylbenzene
Concen: 2.391 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

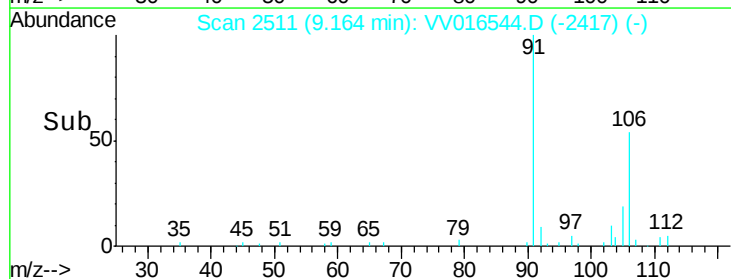
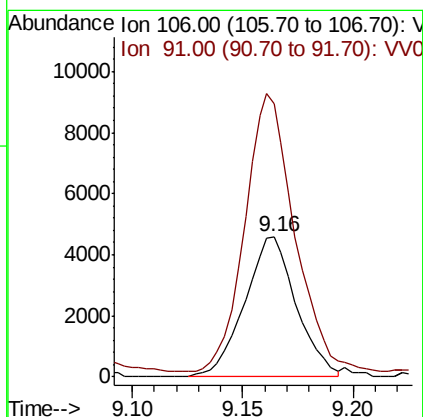
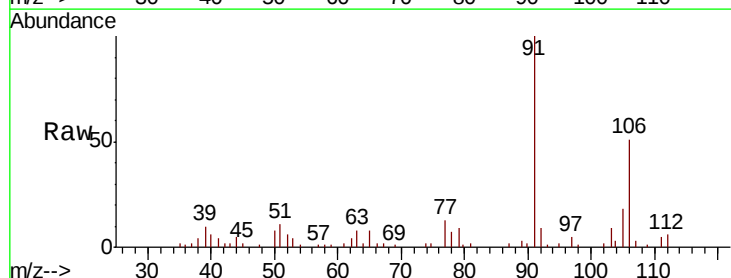
Instrument :
MSVOA_V
ClientSampleId :

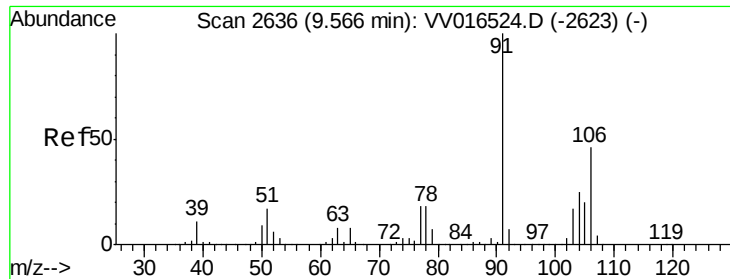
Tot Ion: 91 Resp: 32285
Ion Ratio Lower Upper
91 100
106 33.0 21.8 40.4



#53
m,p-Xylene
Concen: 1.472 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

Tgt Ion: 106 Resp: 7495
Ion Ratio Lower Upper
106 100
91 194.3 142.5 264.6

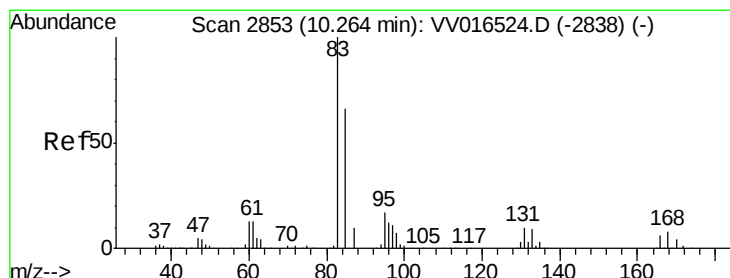
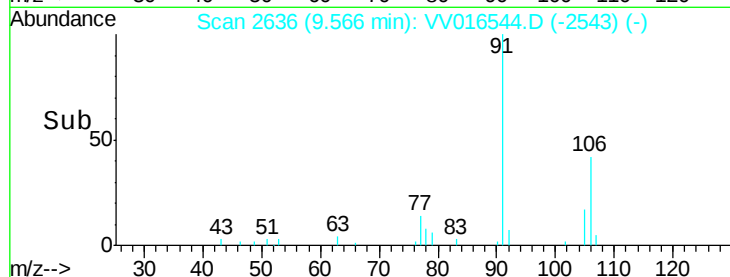
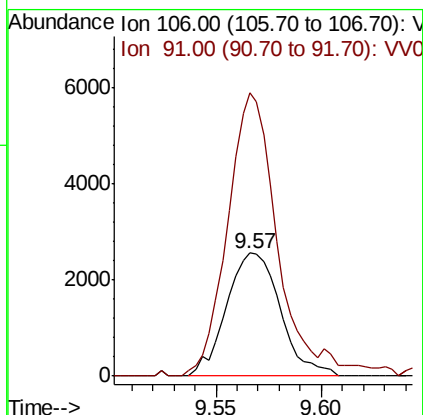
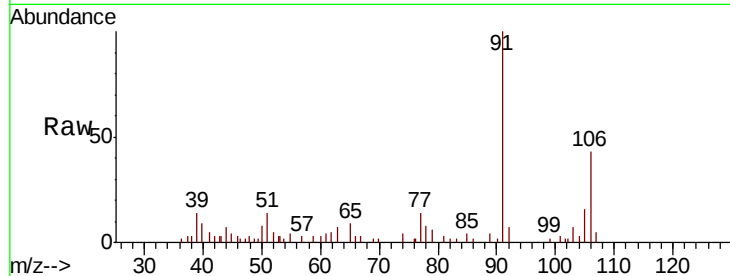




#54
o-xylene
Concen: 0.923 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

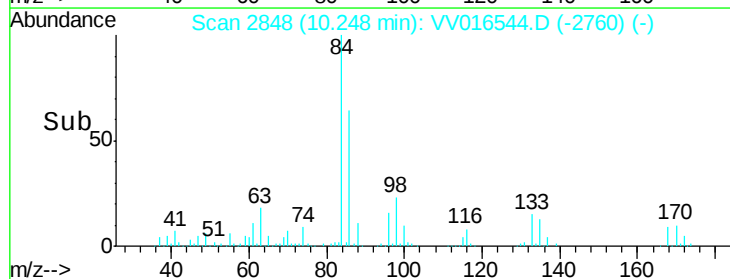
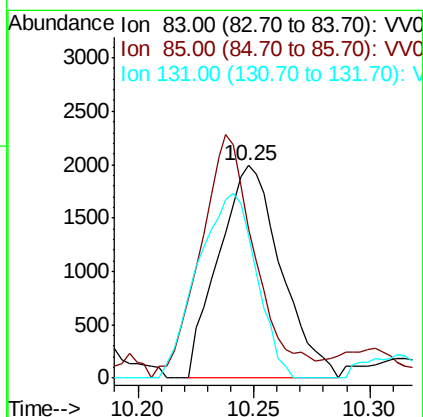
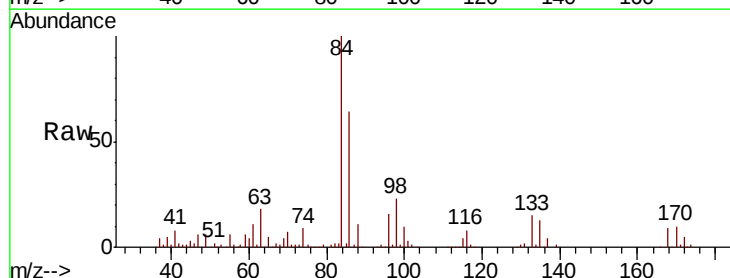
Instrument :
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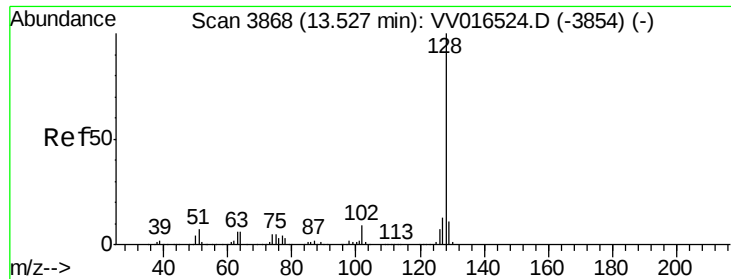
Tot Ion:106 Resp: 4552
Ion Ratio Lower Upper
106 100
91 230.4 152.5 283.1



#58
1,1,2,2-Tetrachloroethane
Concen: 0.785 ug/L
RT: 10.25 min Scan# 2848
Delta R.T. -0.02 min
Lab File: VV016544.D
Acq: 05 Jun 2020 18:28

Tgt Ion: 83 Resp: 3718
Ion Ratio Lower Upper
83 100
85 70.1 44.0 81.6
131 67.4 7.6 11.4#





#69

Naphthalene

Concen: 1.854 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016544.D

Acq: 05 Jun 2020 18:28

Instrument :

MSVOA_V

ClientSampleId :

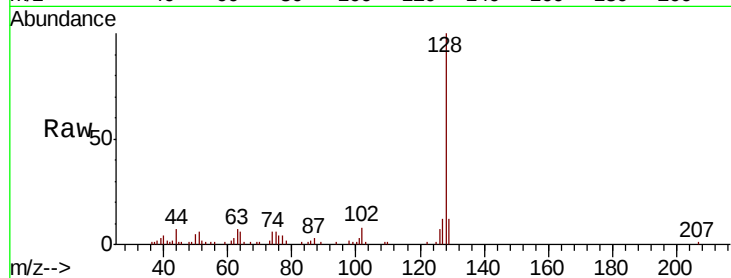
Tot Ion:128 Resp: 21424

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 11.9 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

