

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008488.D
 Acq On : 27 Mar 2019 17:25
 Operator : JC/SP
 Sample : K2099-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-2H-A

Manual Integrations
 APPROVED

Quant Time: Mar 28 10:03:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	35873	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	210926	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	183630	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	90614	30.20	ug/l	0.00	MMDadoda
Spiked Amount 30.000	Range 50 - 169	Recovery =	100.67%				
60) 4-Bromofluorobenzene	11.13	95	92710	28.98	ug/l	0.00	
Spiked Amount 30.000	Range 56 - 143	Recovery =	96.60%				
63) Toluene-d8	8.71	98	267486	30.69	ug/l	0.00	3/28/2019 9:35:45 AM
Spiked Amount 30.000	Range 66 - 137	Recovery =	102.30%				

Target Compounds

					Ovalue
15) Acetone	2.45	58	2453	4.673 ug/l	80
26) Cyclohexane	5.59	56	133697	27.590 ug/l #	70
34) Benzene	6.14	78	11207	1.033 ug/l #	95
38) Methylcyclohexane	7.46	83	144170	32.242 ug/l	77
66) Ethyl Benzene	10.25	91	18905	1.532 ug/l	95
67) m/p-Xylenes	10.36	106	8108	1.801 ug/l	87
70) Isopropylbenzene	11.02	105	33307	2.867 ug/l	94
74) n-propylbenzene	11.36	91	129833	9.380 ug/l	94
76) 1,3,5-Trimethylbenzene	11.51	105	75432	7.594 ug/l	95
81) sec-Butylbenzene	11.94	105	20256	1.785 ug/l	93
85) n-Butylbenzene	12.38	91	51733m	5.364 ug/l	
91) Naphthalene	13.83	128	64830	5.548 ug/l	97

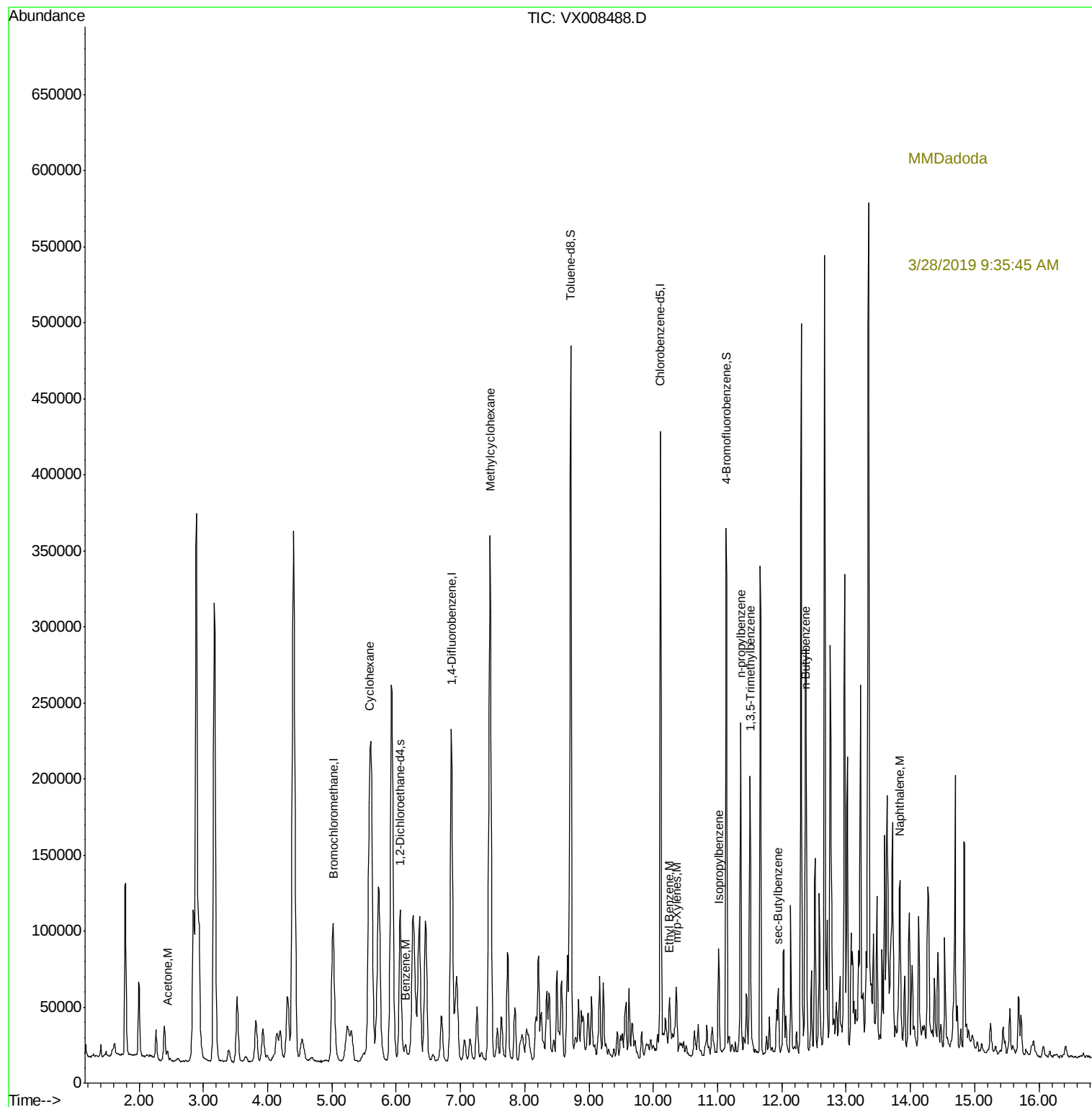
(#) = qualifier out of range (m) = manual integration (+) = signals summed

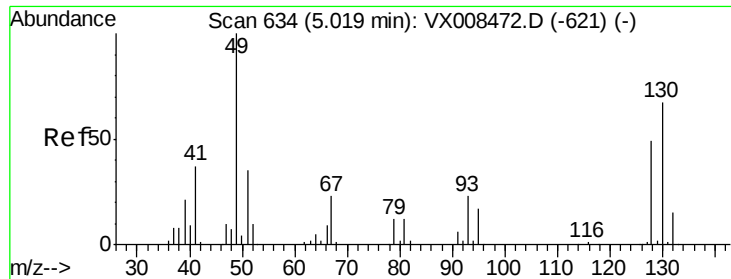
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008488.D
Acq On : 27 Mar 2019 17:25
Operator : JC/SP
Sample : K2099-07
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-A

Manual Integrations
APPROVED

Quant Time: Mar 28 10:03:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008488.D

Acq: 27 Mar 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-A

Tot Ion:128 Resp: 35873

Ion Ratio Lower Upper

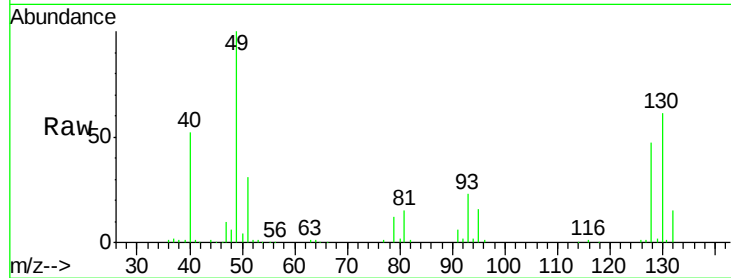
128 100

49 205.1 0.0 350.8

130 127.9 0.0 325.8

Manual Integrations

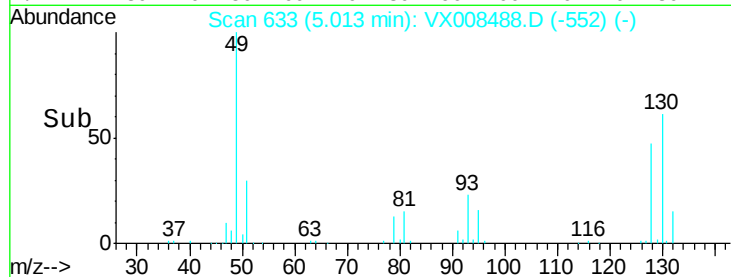
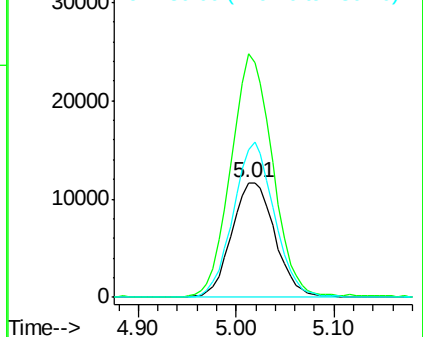
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Abundance Ion 128.00 (127.70 to 128.70): V

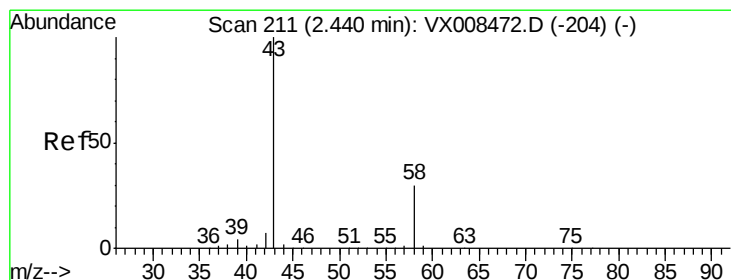
Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



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#15

Acetone

Concen: 4.673 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008488.D

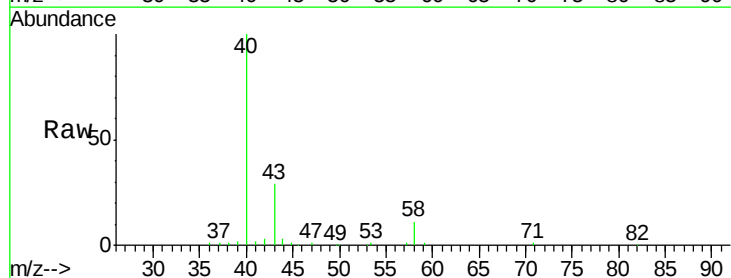
Acq: 27 Mar 2019 17:25

Tgt Ion: 58 Resp: 2453

Ion Ratio Lower Upper

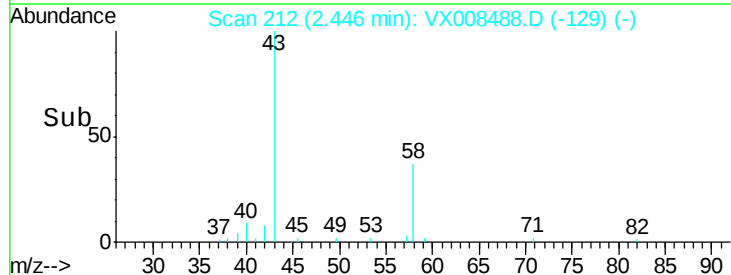
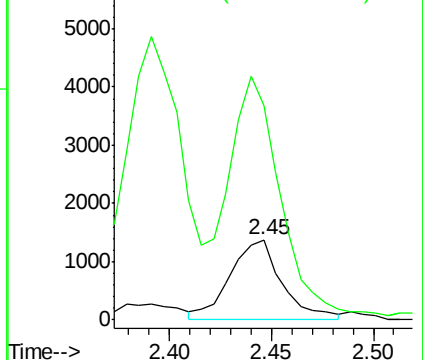
58 100

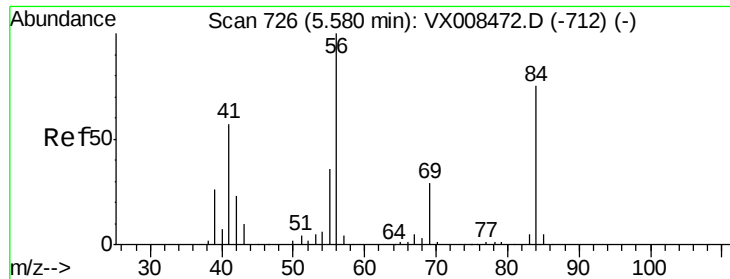
43 272.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



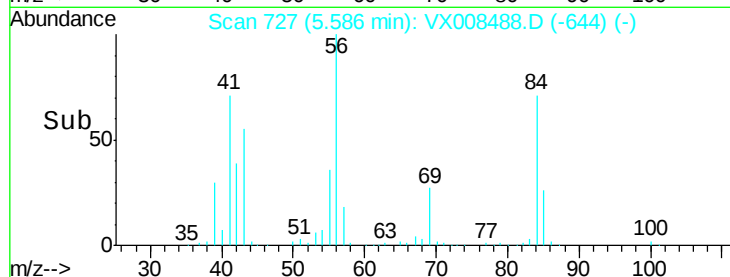
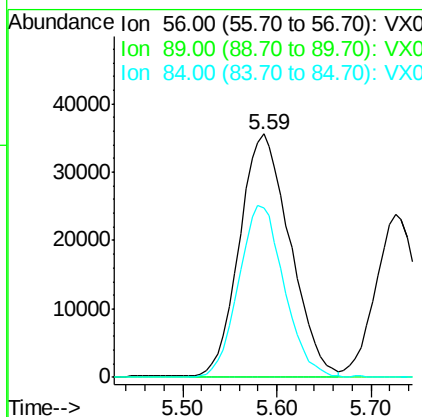
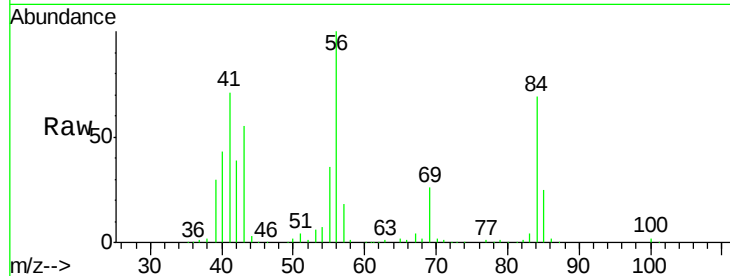


#26
Cyclohexane
Concen: 27.590 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-A

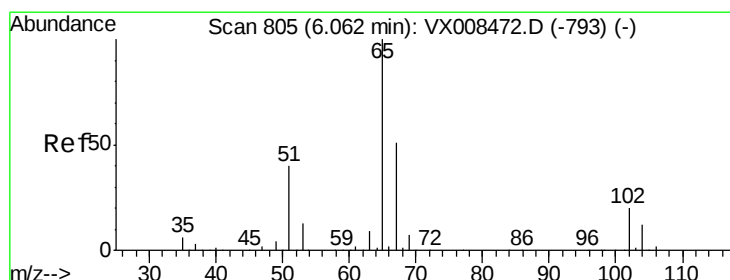
Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	63.6	73.9	110.9#

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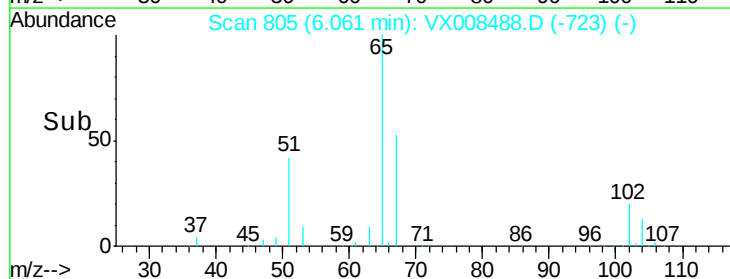
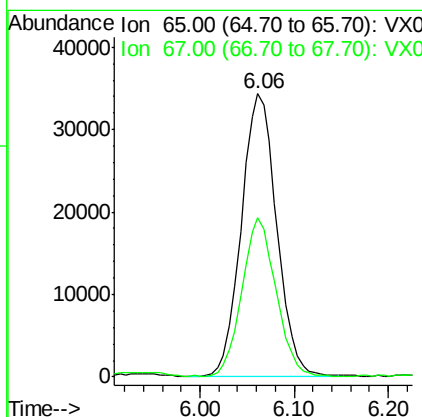
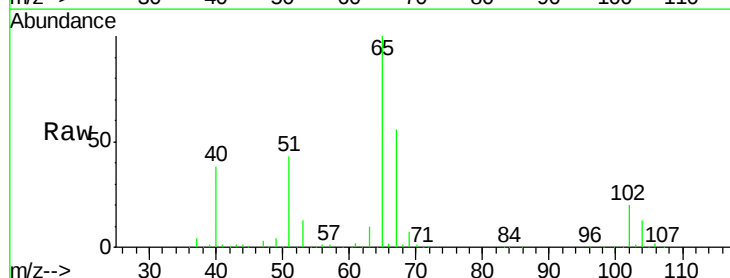
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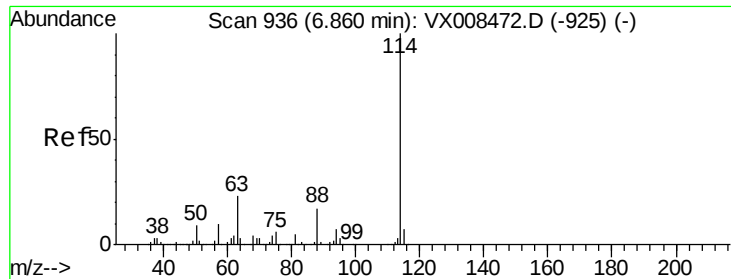
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#27
1,2-Dichloroethane-d4
Concen: 30.195 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	42.9	64.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008488.D

Acq: 27 Mar 2019 17:25

Instrument :

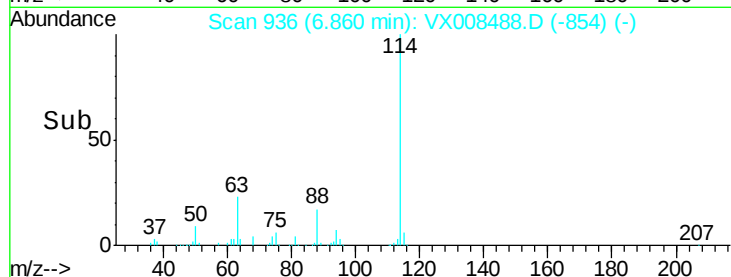
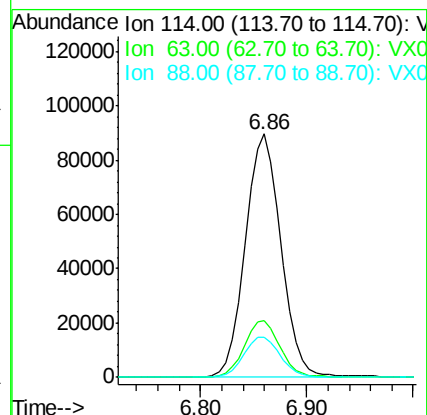
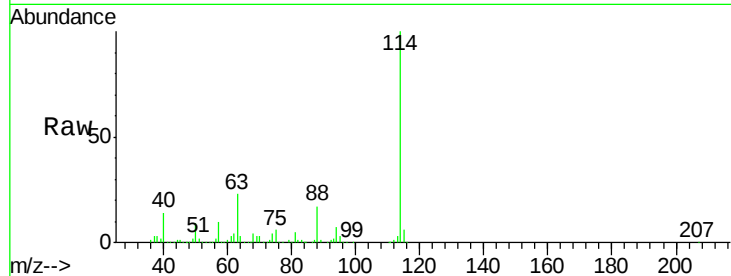
MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-A

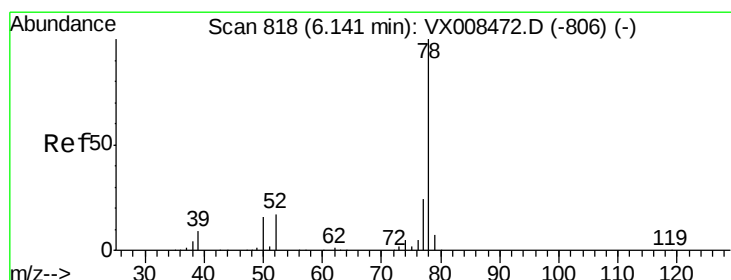
Tot Ion:	114	Resp:	210926
Ion Ratio	Lower	Upper	
114	100		
63	23.7	14.2	21.4#
88	17.0	11.9	17.9

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#34

Benzene

Concen: 1.033 ug/l

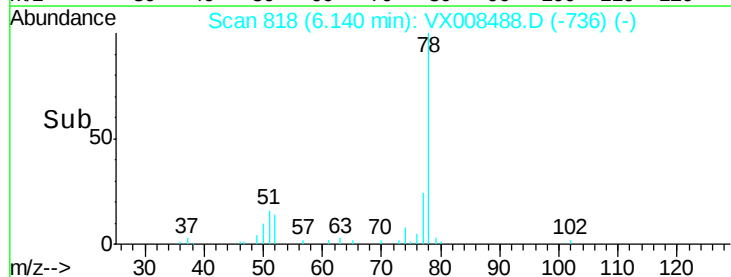
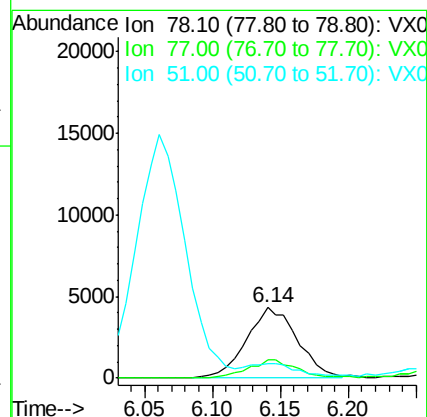
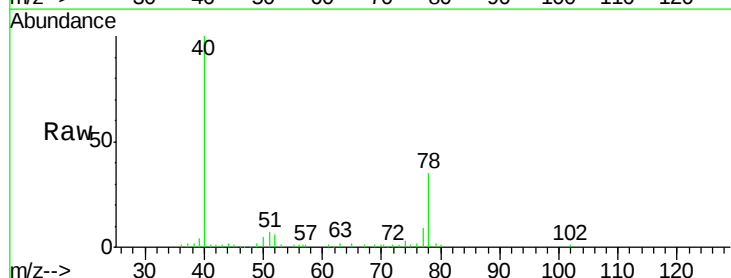
RT: 6.14 min Scan# 818

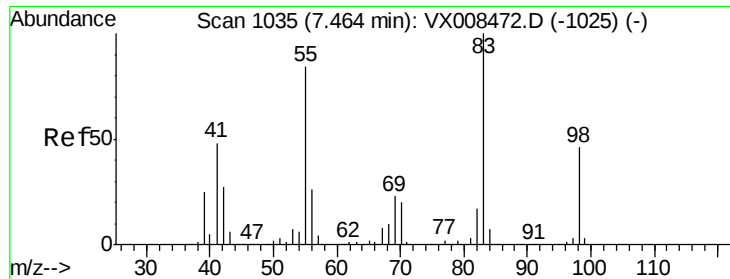
Delta R.T. -0.00 min

Lab File: VX008488.D

Acq: 27 Mar 2019 17:25

Tgt Ion:	78	Resp:	11207
Ion Ratio	Lower	Upper	
78	100		
77	25.4	19.1	28.7
51	17.1	10.8	16.2#



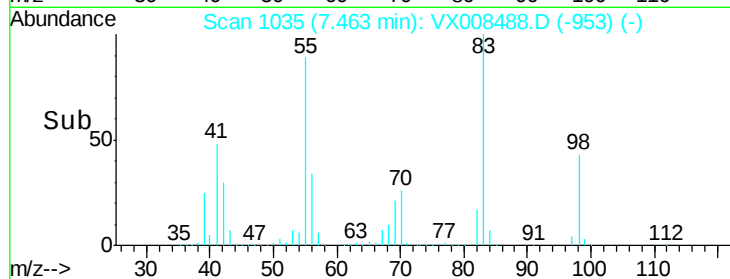
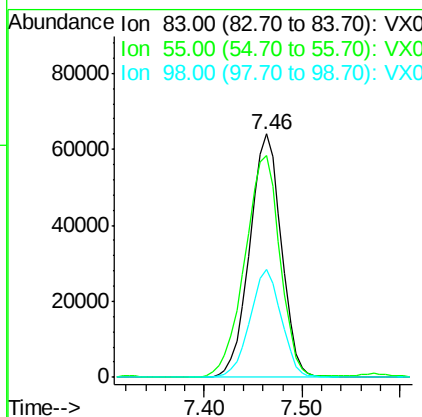
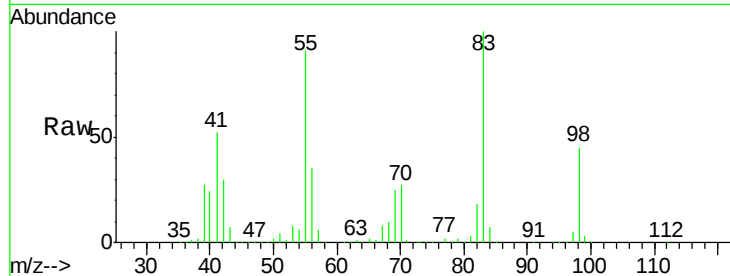


#38
Methvlcvclohexane
Concen: 32.242 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Instrument :
MSVOA_X
ClientSampled :
SHORE-RD-CLVRT-STLD-2H-A

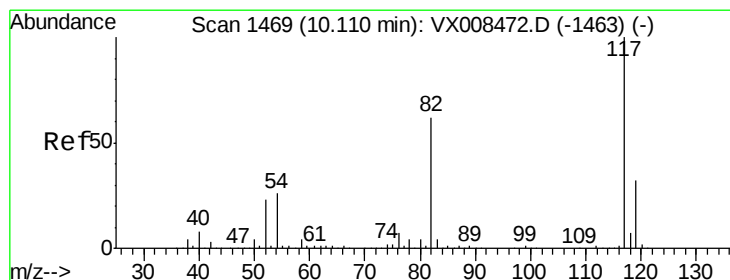
Tot Ion: 83 Resp: 144170
Ion Ratio Lower Upper
83 100
55 100.8 36.0 108.0
98 44.2 23.8 71.4

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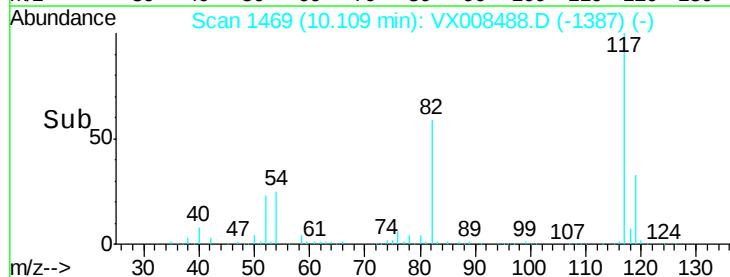
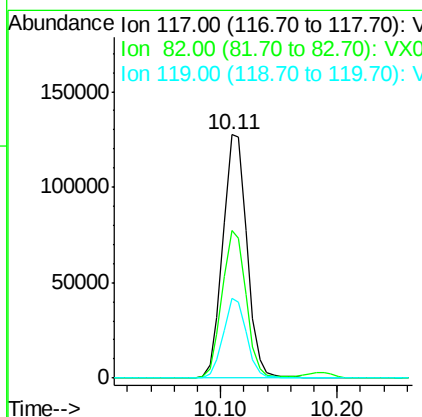
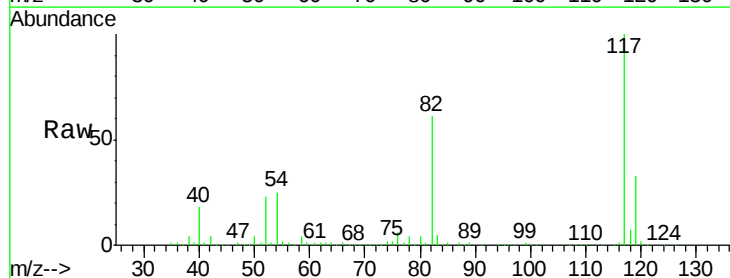
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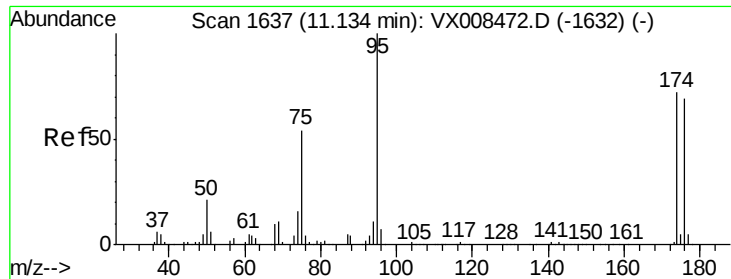
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Tgt Ion: 117 Resp: 183630
Ion Ratio Lower Upper
117 100
82 59.8 40.4 60.6
119 31.5 25.8 38.6



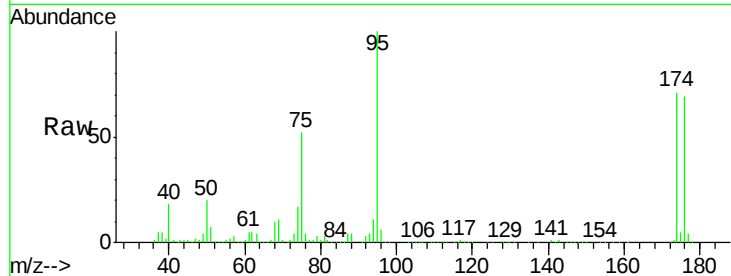


#60
4-Bromofluorobenzene
Concen: 28.977 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

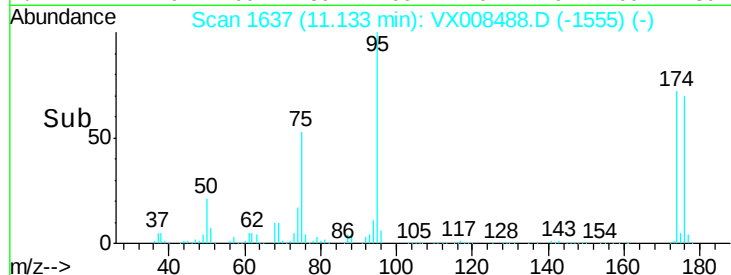
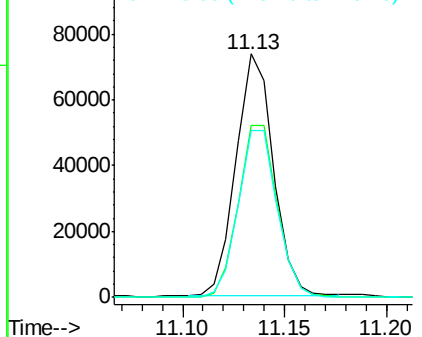
Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		92710		
174	75.2		74.9	112.3	
176	73.0		70.7	106.1	

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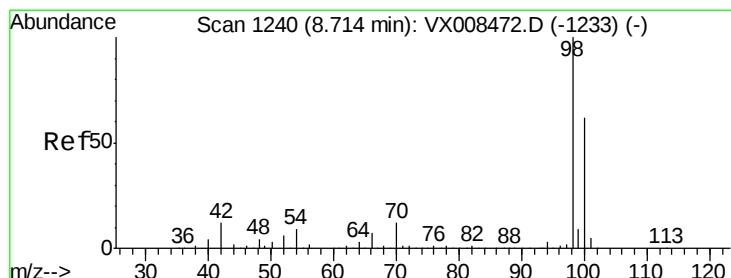


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



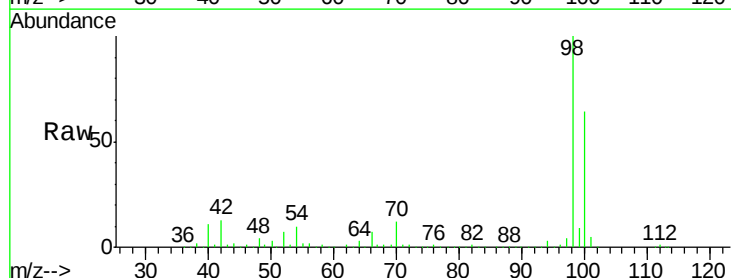
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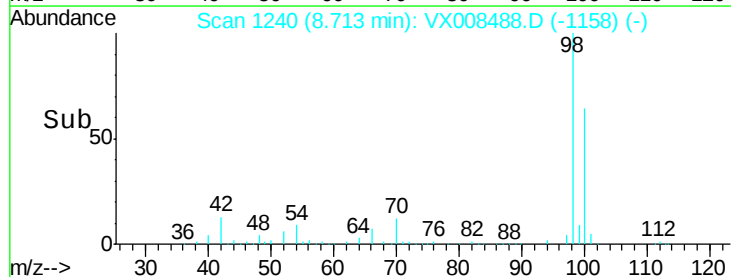
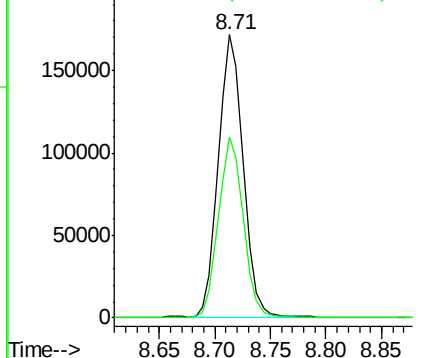


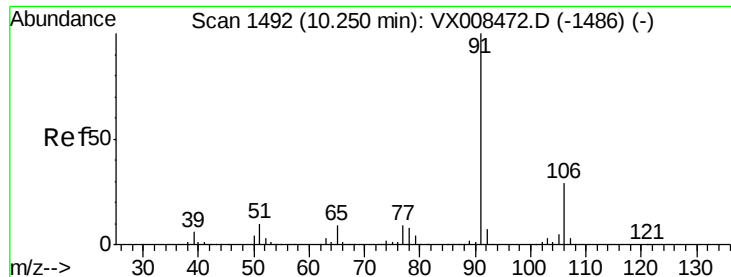
#63
Toluene-d8
Concen: 30.687 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100		267486		
100	63.6		50.9	76.3	



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#66

Ethyl Benzene

Concen: 1.532 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008488.D

Acq: 27 Mar 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-A

Tot Ion: 91 Resp: 18905

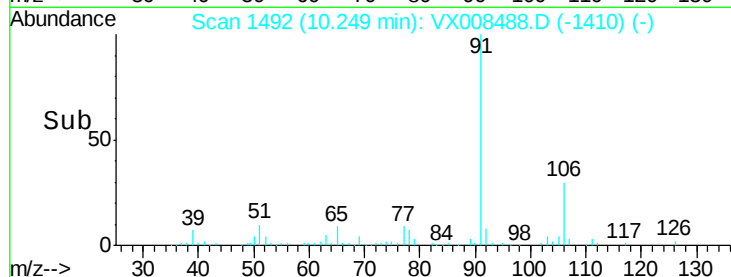
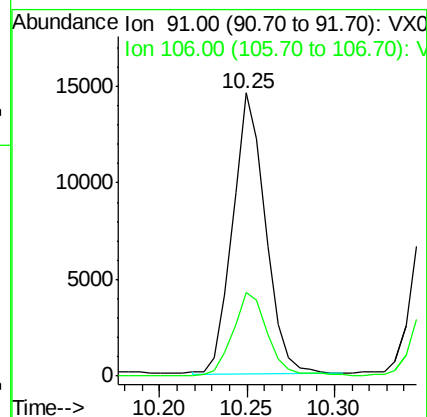
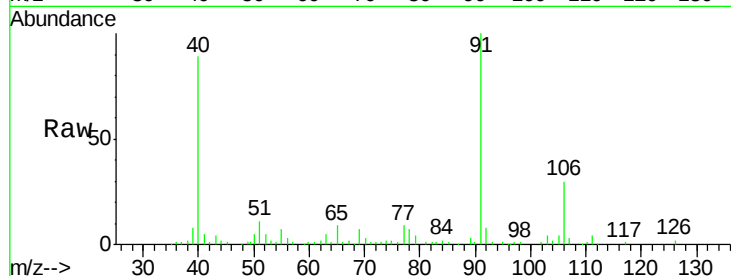
Ion Ratio Lower Upper

91 100

106 29.8 26.0 39.0

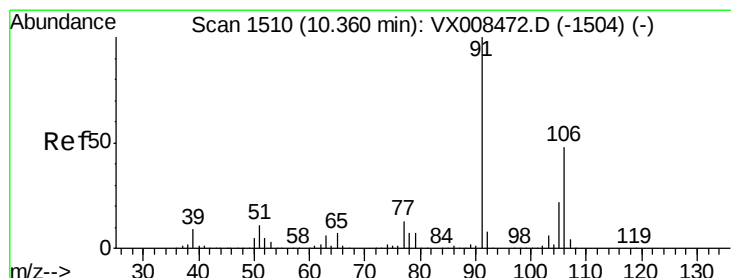
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#67

m/p-Xylenes

Concen: 1.801 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008488.D

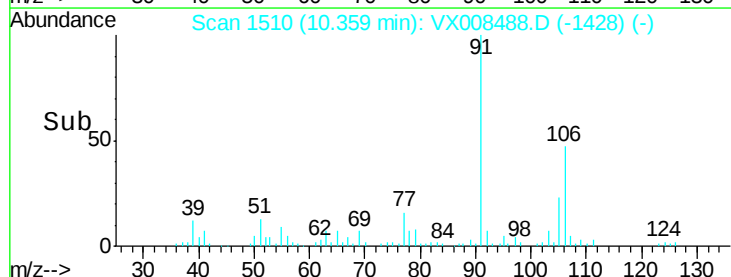
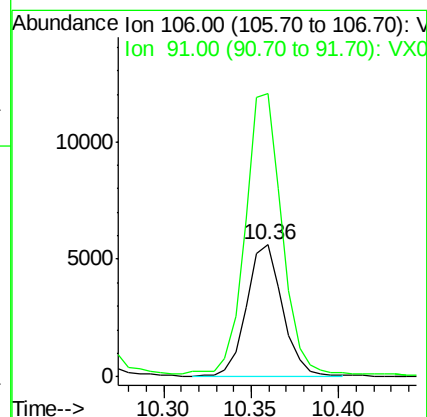
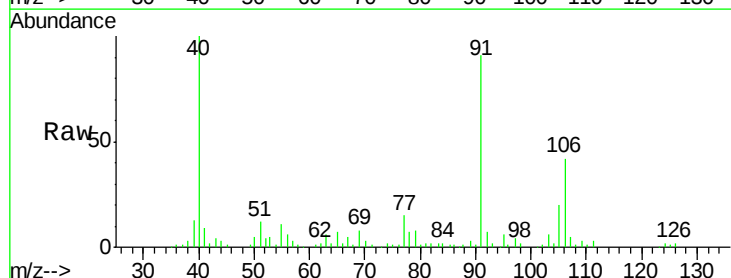
Acq: 27 Mar 2019 17:25

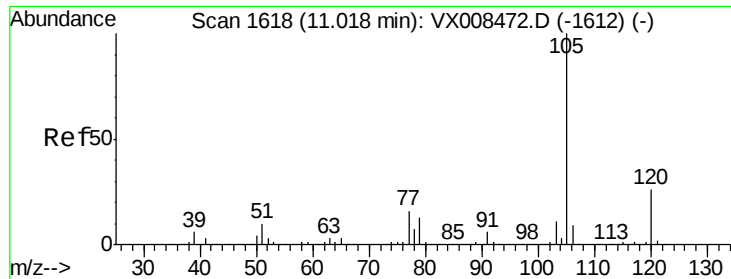
Tgt Ion: 106 Resp: 8108

Ion Ratio Lower Upper

106 100

91 216.2 157.0 235.4





#70

Isopropylbenzene

Concen: 2.867 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008488.D

Acq: 27 Mar 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-A

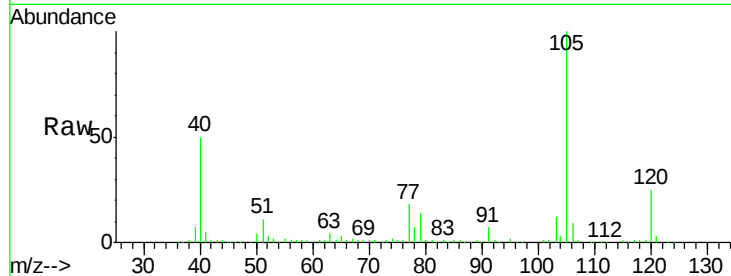
Tot Ion: 105 Resp: 33307

Ion Ratio Lower Upper

105 100

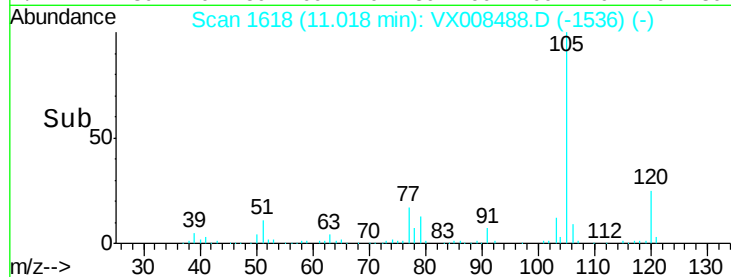
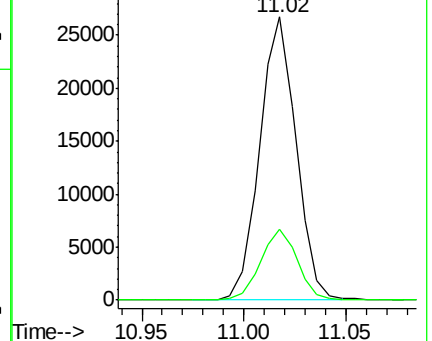
120 25.1 19.8 36.8

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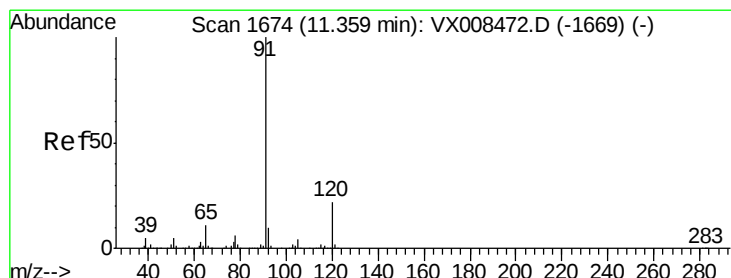
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

n-propylbenzene

Concen: 9.380 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008488.D

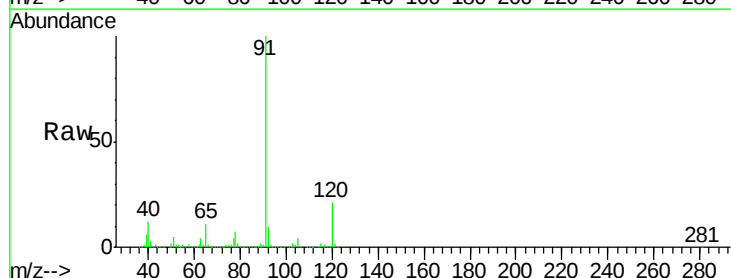
Acq: 27 Mar 2019 17:25

Tgt Ion: 91 Resp: 129833

Ion Ratio Lower Upper

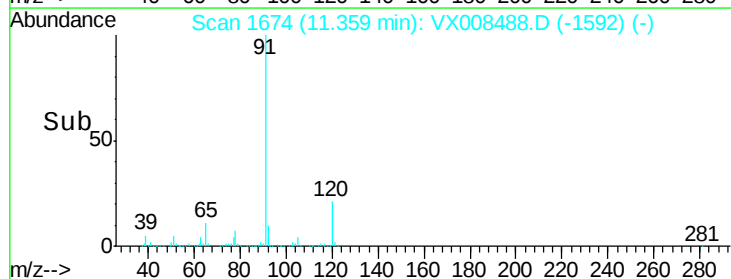
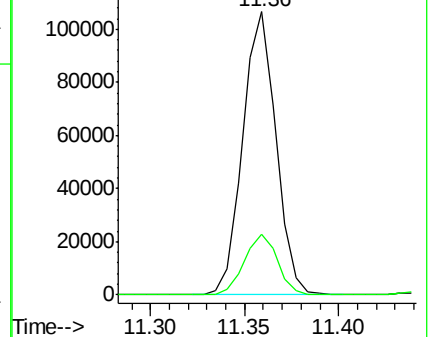
91 100

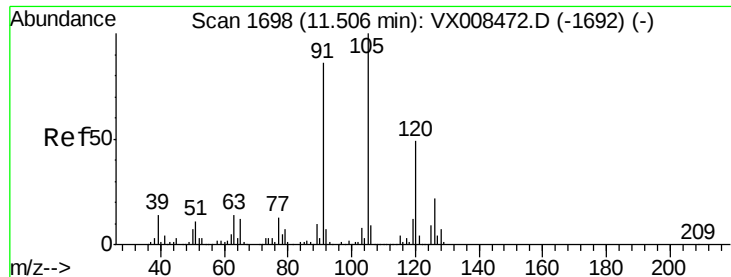
120 21.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



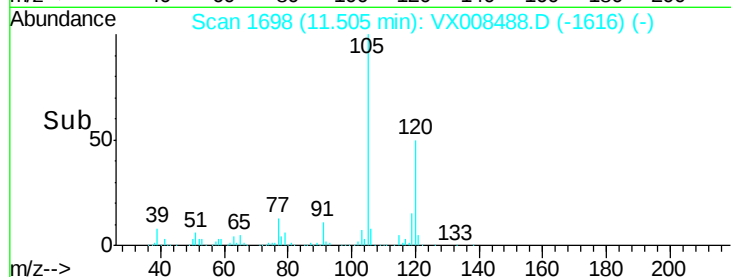
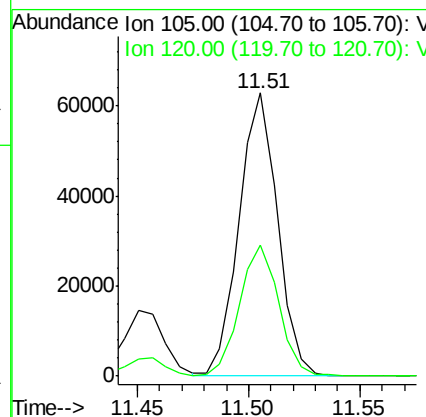
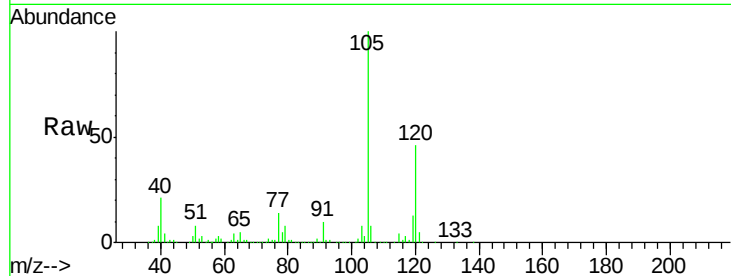


#76
1,3,5-Trimethylbenzene
Concen: 7.594 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-A

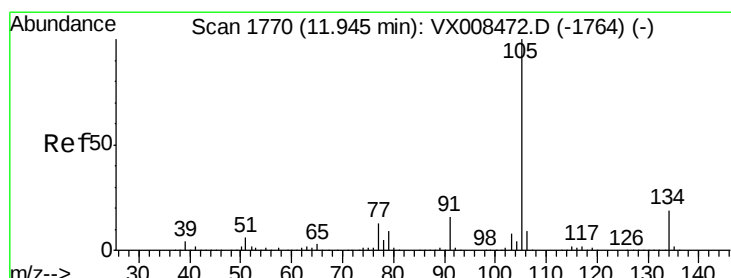
Tot Ion:105 Resp: 75432
Ion Ratio Lower Upper
105 100
120 47.3 0.0 101.0

Manual Integrations
APPROVED



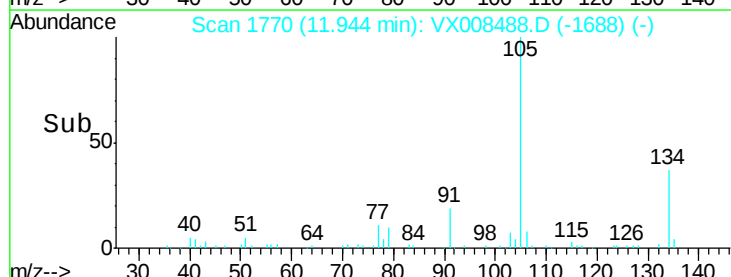
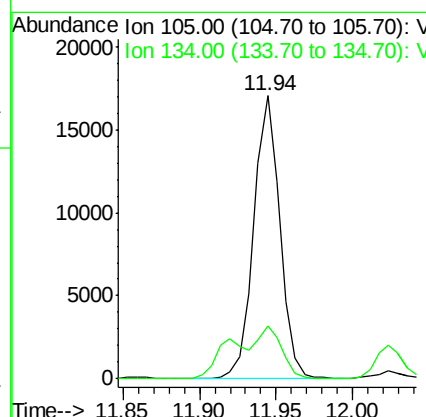
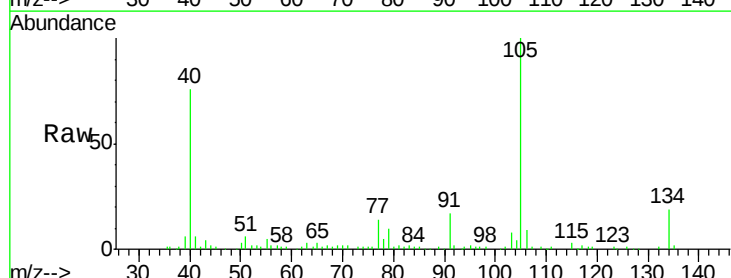
MMDadoda

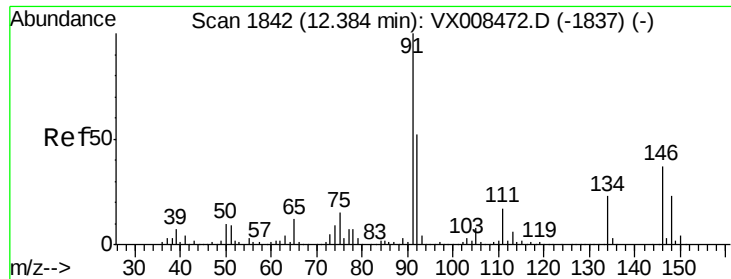
3/28/2019 9:35:45 AM



#81
sec-Butylbenzene
Concen: 1.785 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Tgt Ion:105 Resp: 20256
Ion Ratio Lower Upper
105 100
134 17.6 0.0 41.8



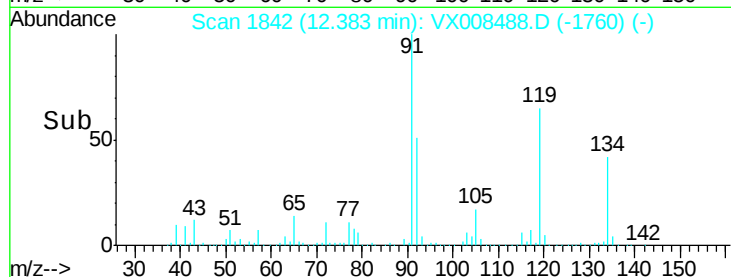
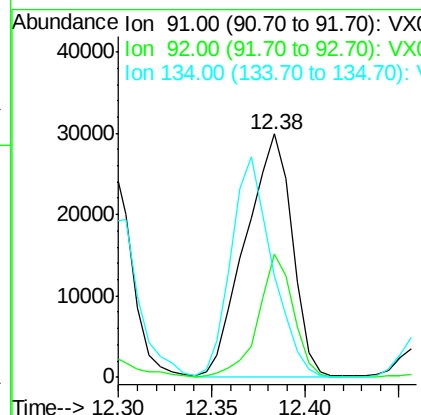
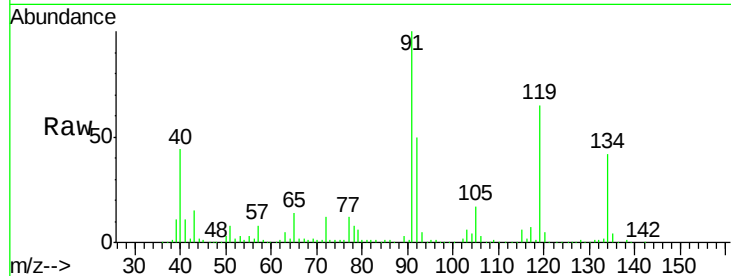


#85
n-Butylbenzene
Concen: 5.364 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-A

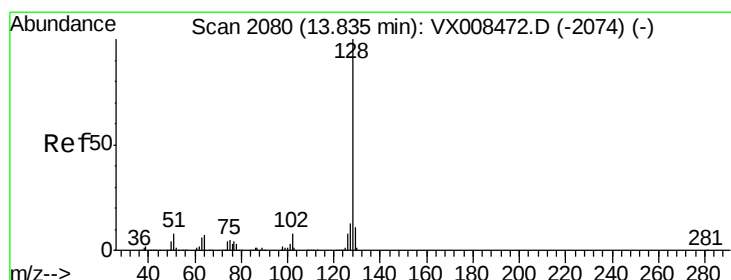
Tot Ion	Ratio	Lower	Upper
91	100		
92	4.5	0.0	105.2
134	14.1	0.0	56.4

Manual Integrations
APPROVED



MMDadoda

3/28/2019 9:35:45 AM



#91
Naphthalene
Concen: 5.548 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008488.D
Acq: 27 Mar 2019 17:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	13.3	8.9	13.3

