

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008483.D
 Acq On : 27 Mar 2019 15:29
 Operator : JC/SP
 Sample : K2099-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-1H-B

Manual Integrations
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MMDadoda
 3/28/2019 9:36:39 AM

Quant Time: Mar 28 09:52:36 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	5.02	128	36120	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	208004	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	184970	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	90113	29.82	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	99.40%		
60) 4-Bromofluorobenzene	11.13	95	94301	29.26	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	97.53%		
63) Toluene-d8	8.71	98	268853	30.62	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	102.07%		

Target Compounds

					Ovalue
15) Acetone	2.45	58	2937	5.557 ug/l	80
26) Cyclohexane	5.58	56	91998	18.855 ug/l #	69
34) Benzene	6.14	78	11164	1.044 ug/l #	92
38) Methylcyclohexane	7.46	83	113839	25.817 ug/l	76
67) m/p-Xylenes	10.36	106	5749	1.268 ug/l	89
70) Isopropylbenzene	11.02	105	19293	1.648 ug/l	96
74) n-propylbenzene	11.36	91	80573	5.779 ug/l	94
76) 1,3,5-Trimethylbenzene	11.51	105	46497	4.647 ug/l	94
81) sec-Butylbenzene	11.94	105	15289	1.337 ug/l	91
85) n-Butylbenzene	12.38	91	41480m	4.269 ug/l	
91) Naphthalene	13.83	128	39466	3.353 ug/l	97

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

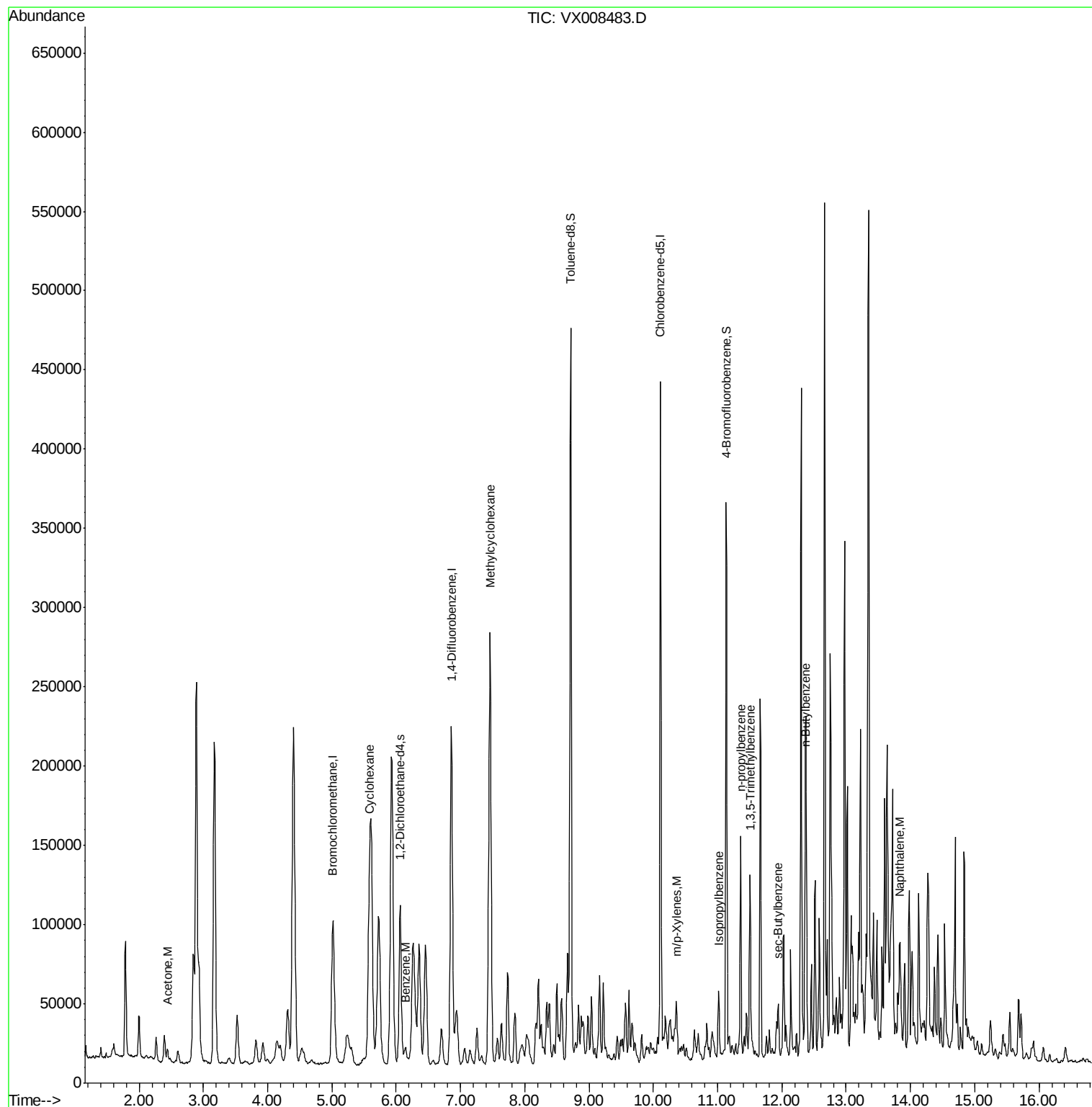
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008483.D
Acq On : 27 Mar 2019 15:29
Operator : JC/SP
Sample : K2099-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

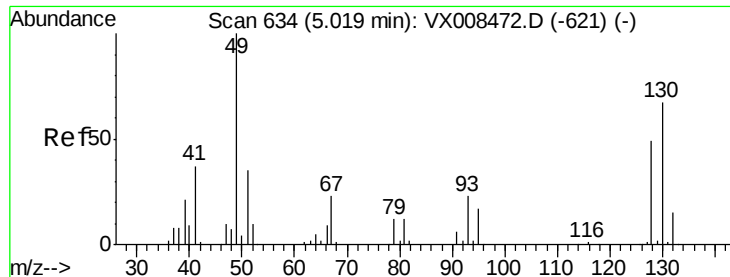
Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

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3/28/2019 9:36:39 AM

Quant Time: Mar 28 09:52:36 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: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008483.D

Acq: 27 Mar 2019 15:29

Instrument :

MSVOA_X

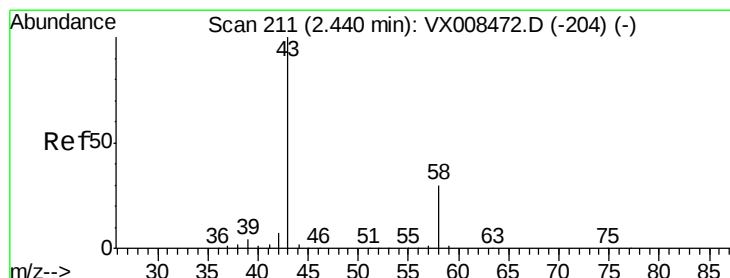
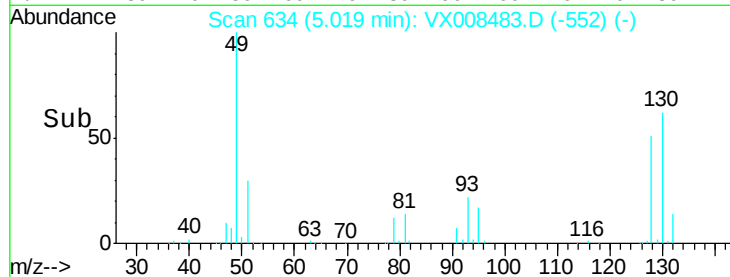
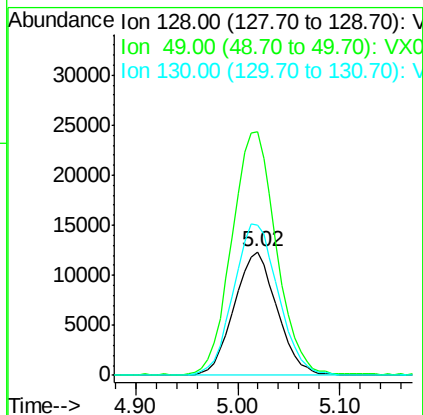
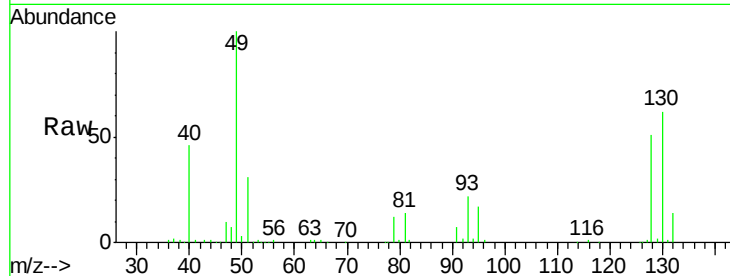
ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-B

Tot Ion:	128	Resp:	36120
Ion	Ratio	Lower	Upper
128	100		
49	204.4	0.0	350.8
130	127.8	0.0	325.8

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#15

Acetone

Concen: 5.557 ug/l

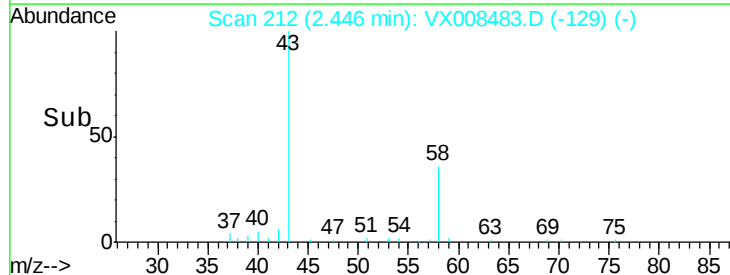
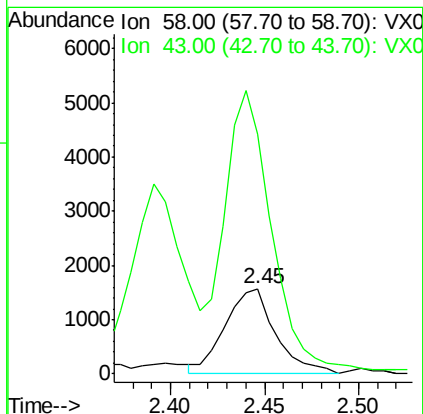
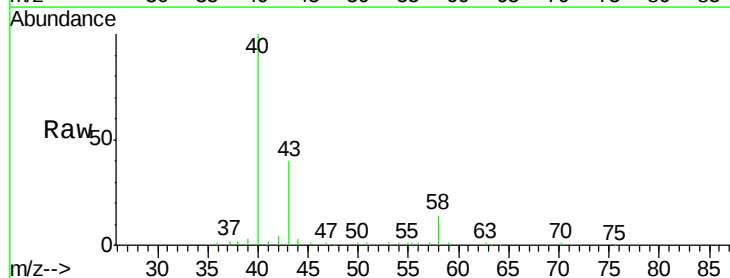
RT: 2.45 min Scan# 212

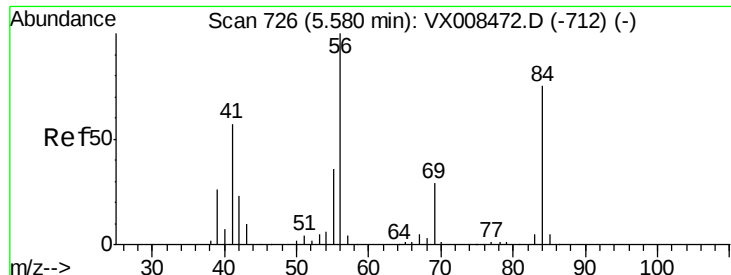
Delta R.T. 0.01 min

Lab File: VX008483.D

Acq: 27 Mar 2019 15:29

Tgt Ion:	58	Resp:	2937
Ion	Ratio	Lower	Upper
58	100		
43	272.1	249.8	374.6





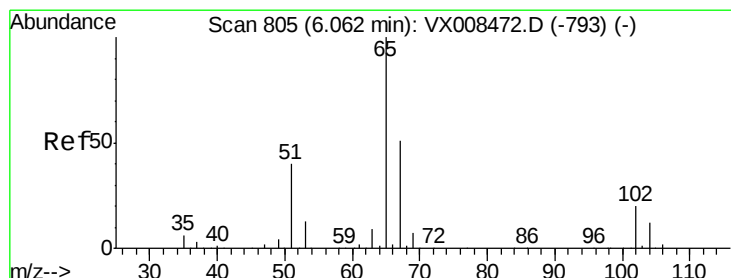
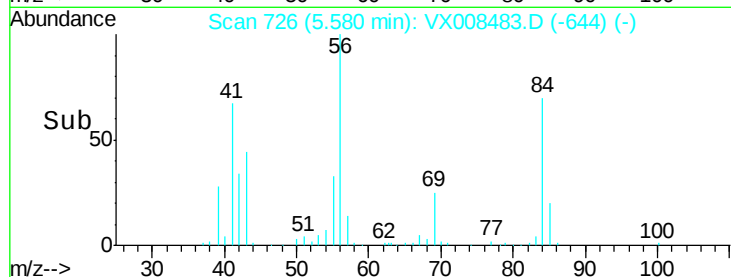
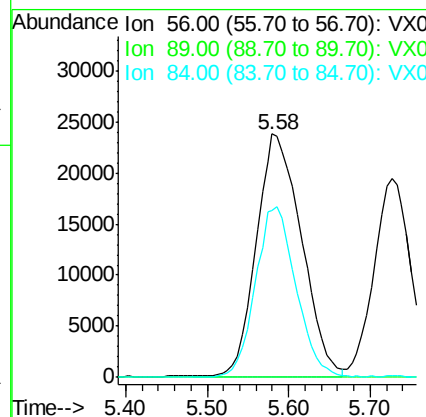
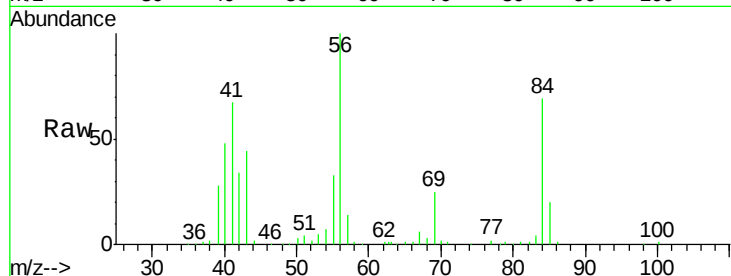
#26
Cyclohexane
Concen: 18.855 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	62.7	73.9	110.9#

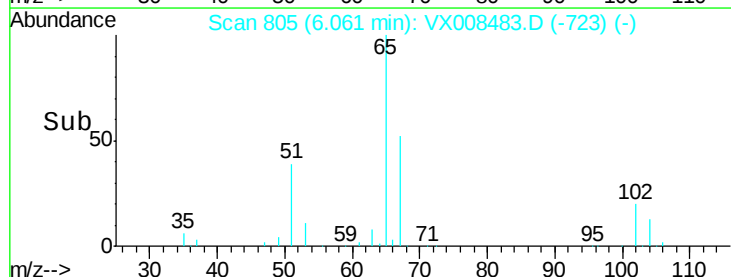
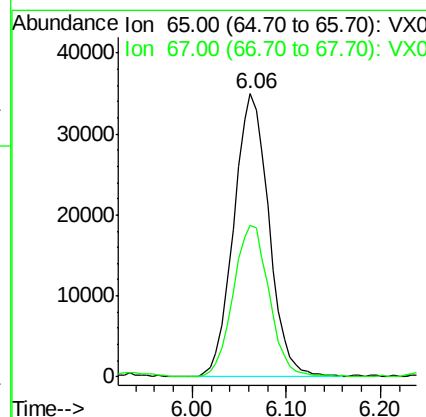
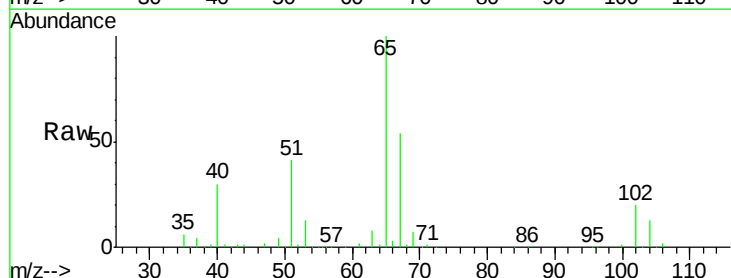
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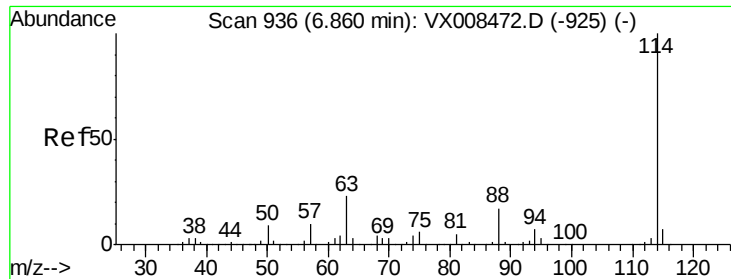
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#27
1,2-Dichloroethane-d4
Concen: 29.823 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.4	42.9	64.3





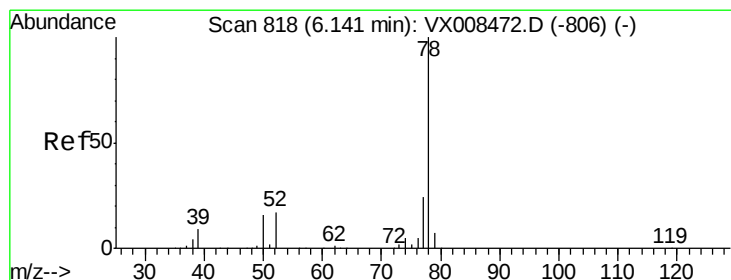
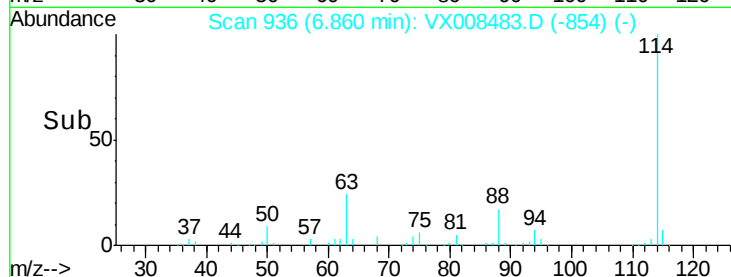
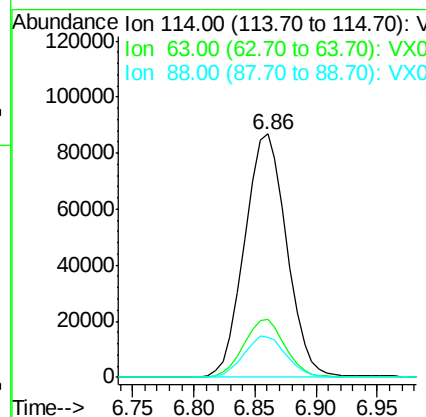
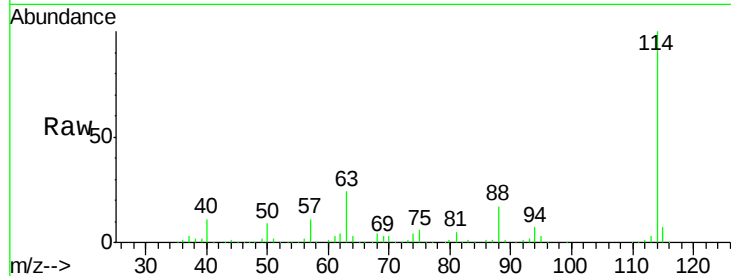
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008483.D
 Acq: 27 Mar 2019 15:29

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-1H-B

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	14.2	21.4#
88	17.1	11.9	17.9

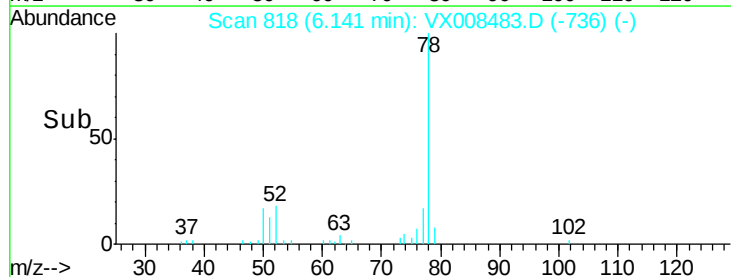
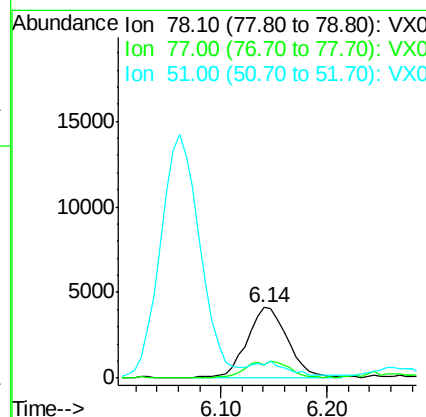
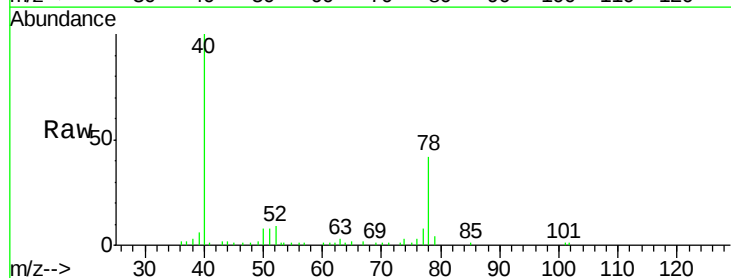
Manual Integrations
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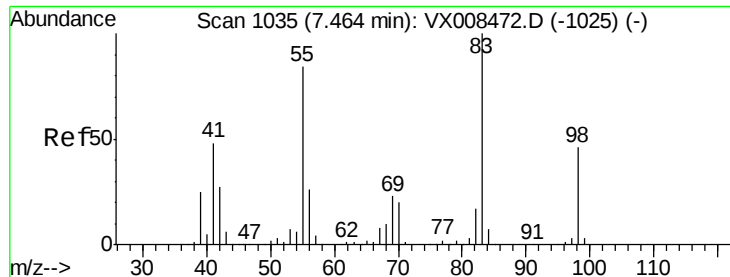
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#34
 Benzene
 Concen: 1.044 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: VX008483.D
 Acq: 27 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.9	19.1	28.7#
51	15.1	10.8	16.2





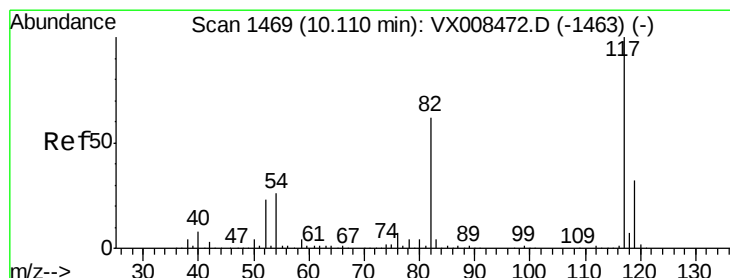
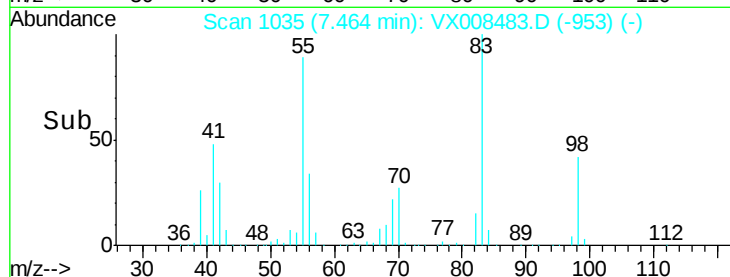
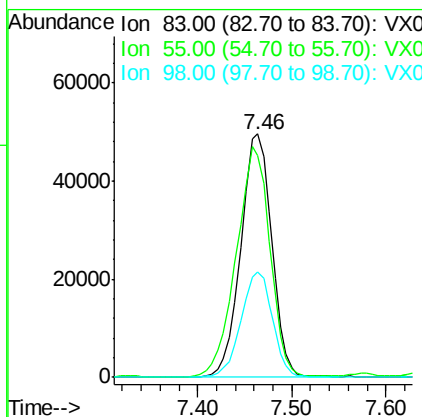
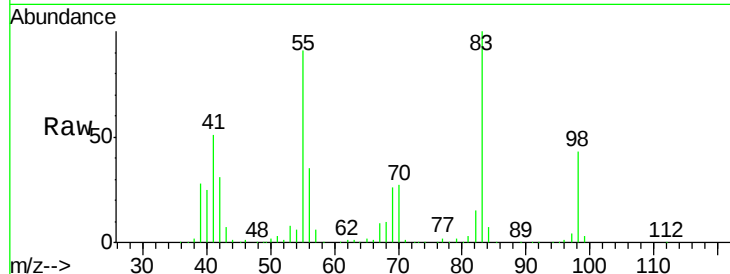
#38
Methvlcvclohexane
Concen: 25.817 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

Tot Ion	Ratio	Lower	Upper
83	100		
55	102.3	36.0	108.0
98	43.8	23.8	71.4

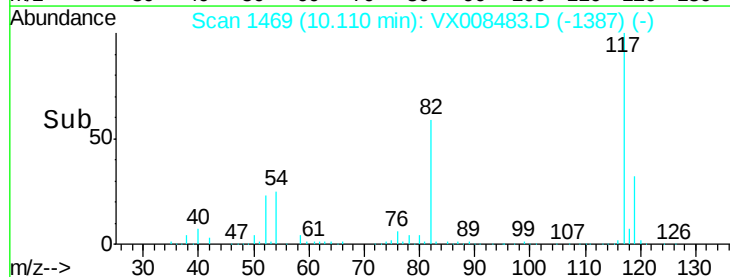
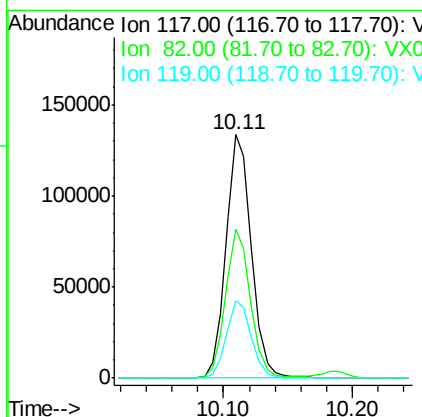
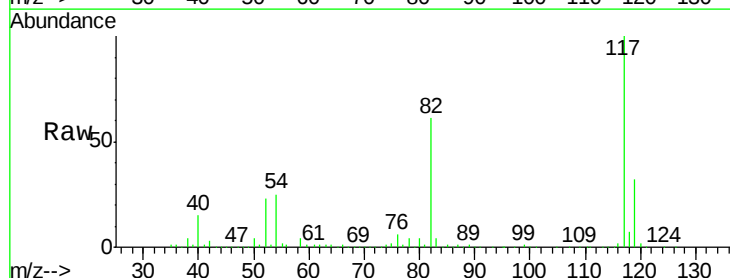
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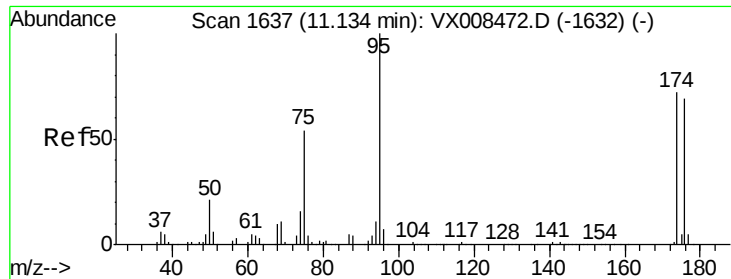
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.0	40.4	60.6
119	31.4	25.8	38.6





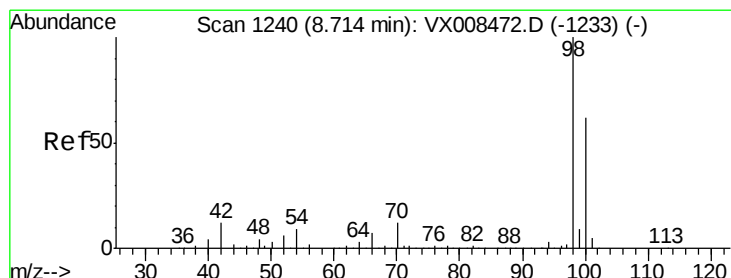
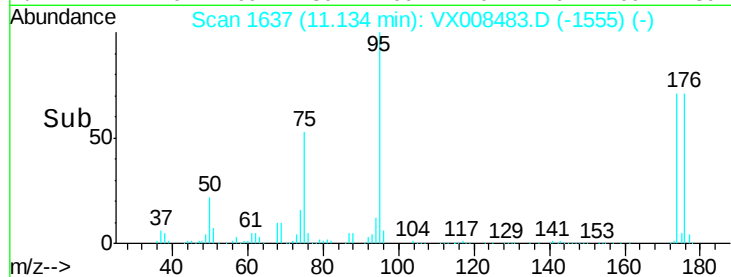
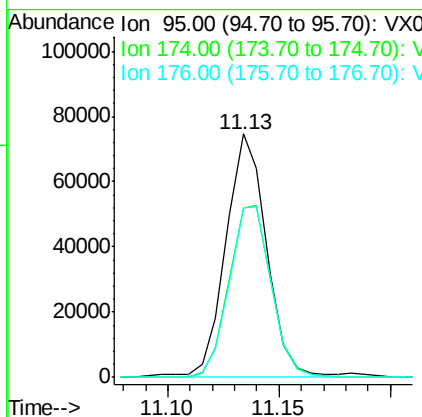
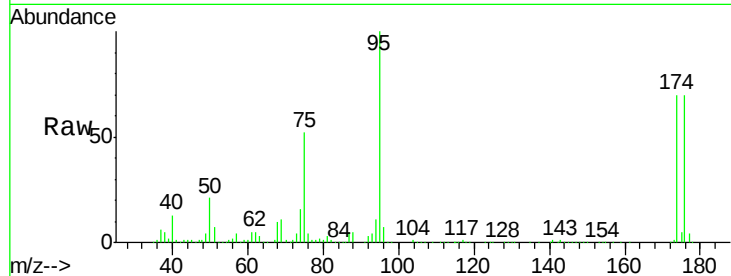
#60
4-Bromofluorobenzene
Concen: 29.261 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		94301		
174	73.9	74.9	112.3#		
176	72.9	70.7	106.1		

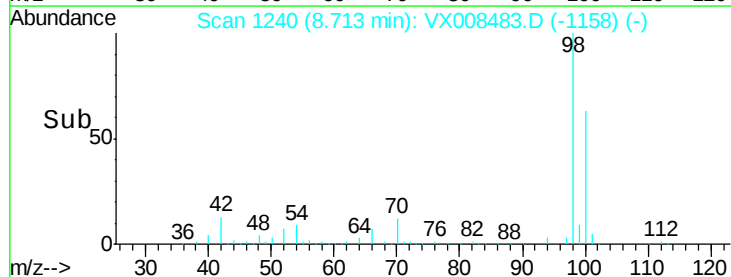
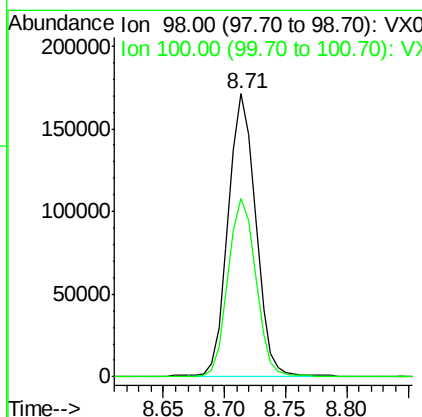
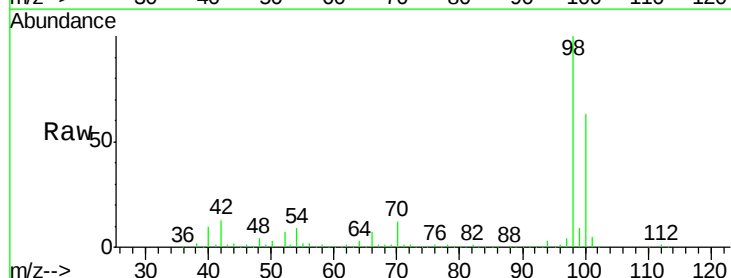
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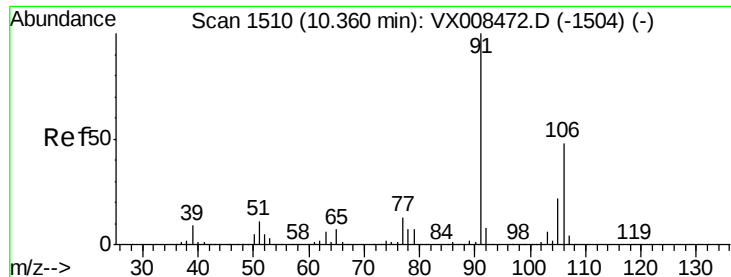
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#63
Toluene-d8
Concen: 30.621 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100		268853		
100	63.3	50.9	76.3		





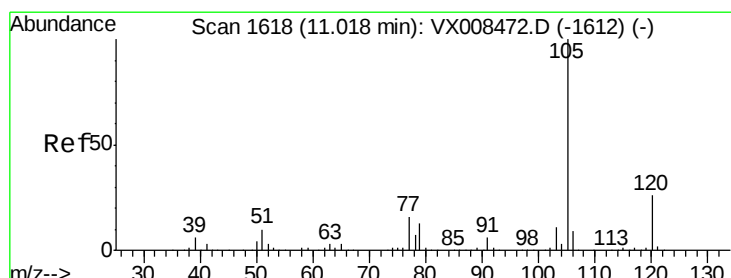
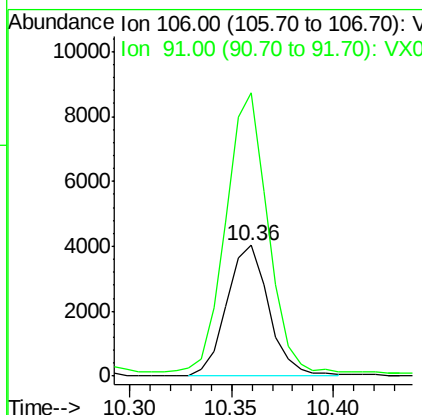
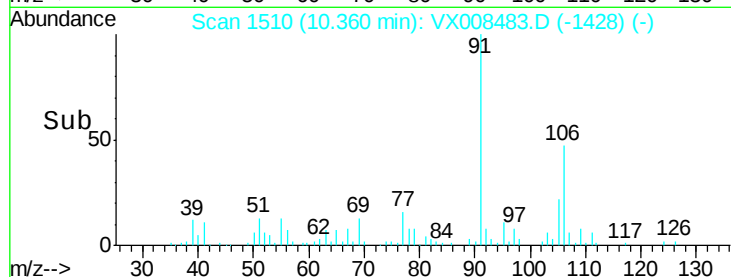
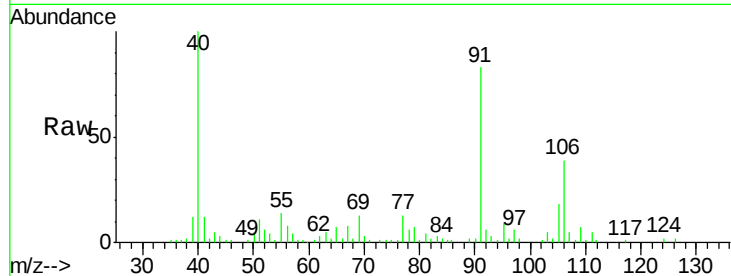
#67
m/p-Xvlenes
Concen: 1.268 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

Tot Ion:106 Resp: 5749
Ion Ratio Lower Upper
106 100
91 213.2 157.0 235.4

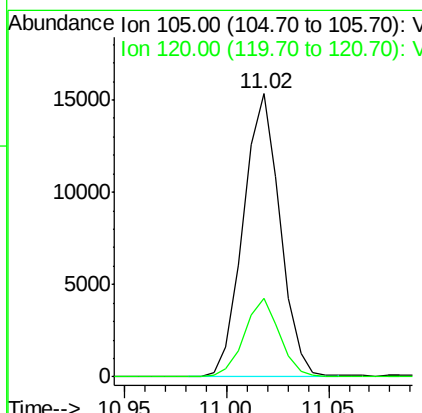
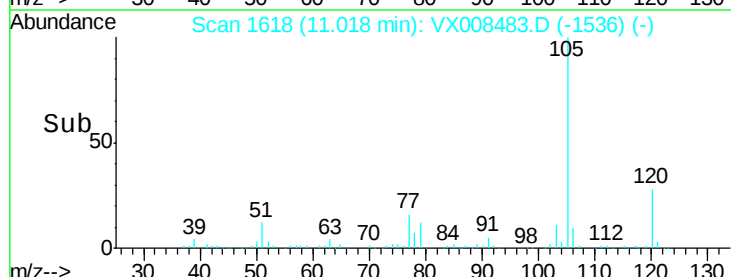
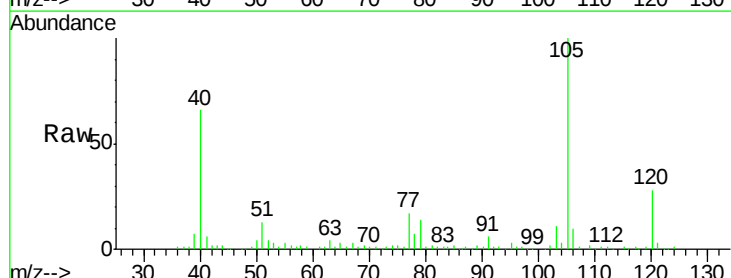
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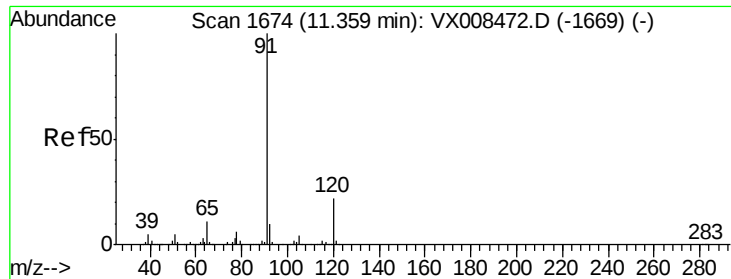
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#70
Isopropylbenzene
Concen: 1.648 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Tgt Ion:105 Resp: 19293
Ion Ratio Lower Upper
105 100
120 26.4 19.8 36.8





#74

n-propylbenzene

Concen: 5.779 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008483.D

Acq: 27 Mar 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-B

Tot Ion: 91 Resp: 80573

Ion Ratio Lower Upper

91 100

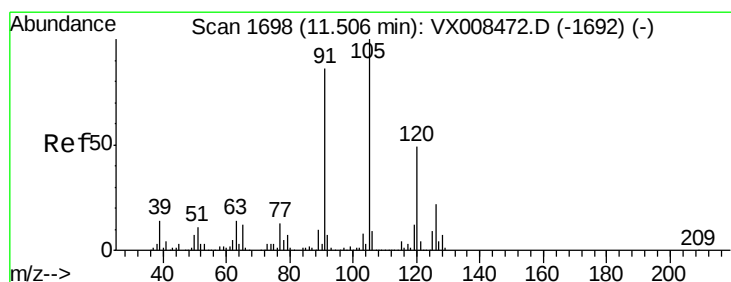
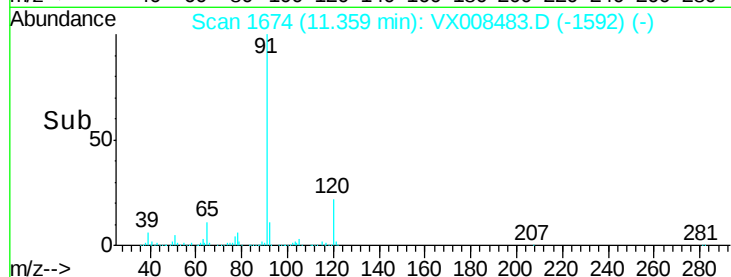
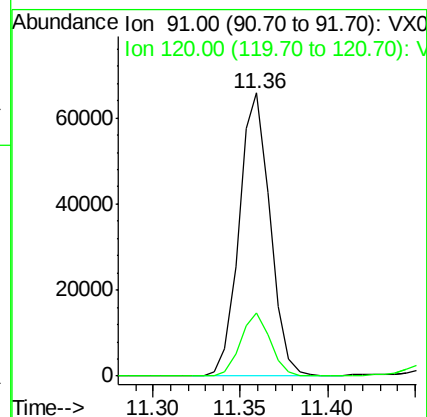
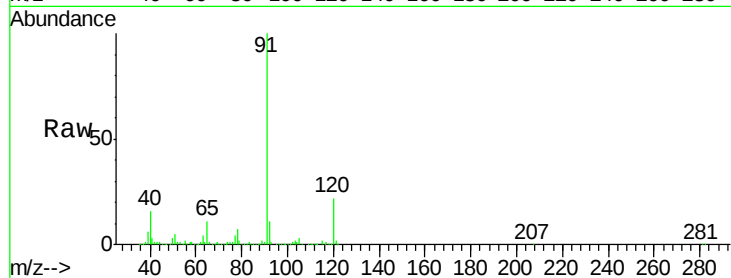
120 21.6 0.0 48.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 4.647 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008483.D

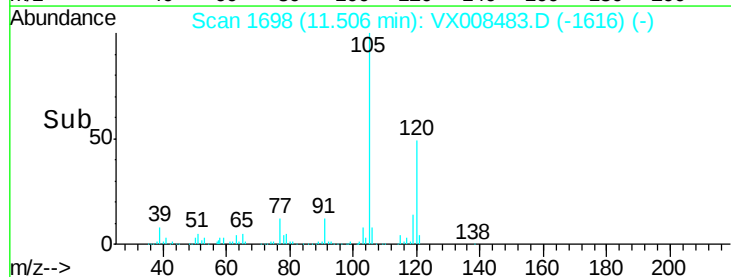
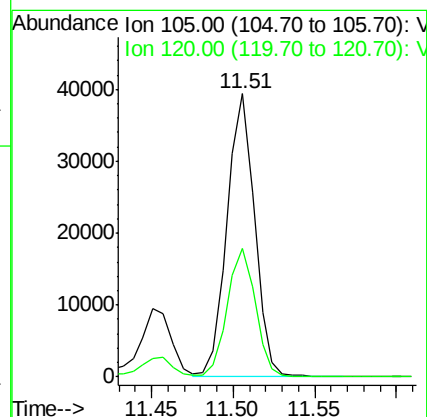
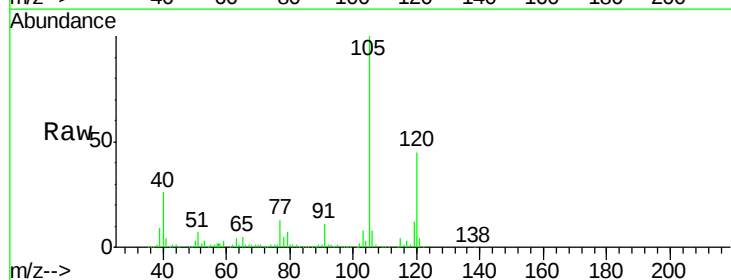
Acq: 27 Mar 2019 15:29

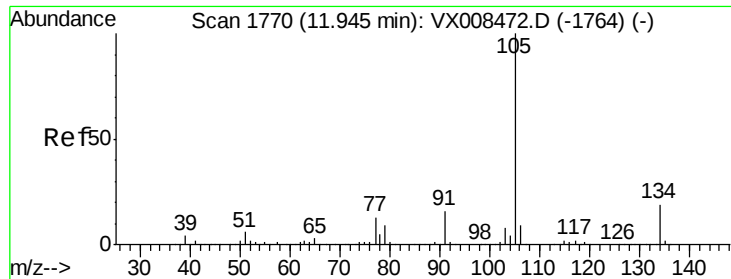
Tgt Ion: 105 Resp: 46497

Ion Ratio Lower Upper

105 100

120 46.2 0.0 101.0





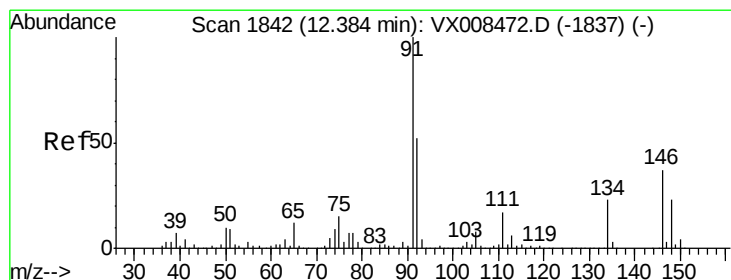
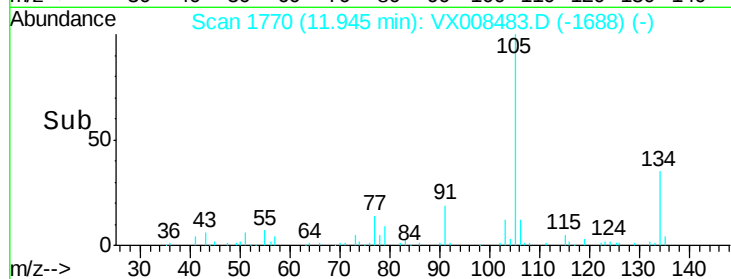
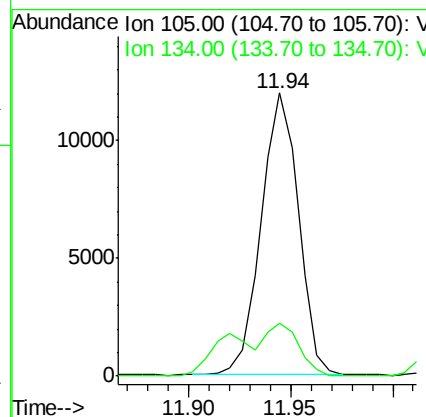
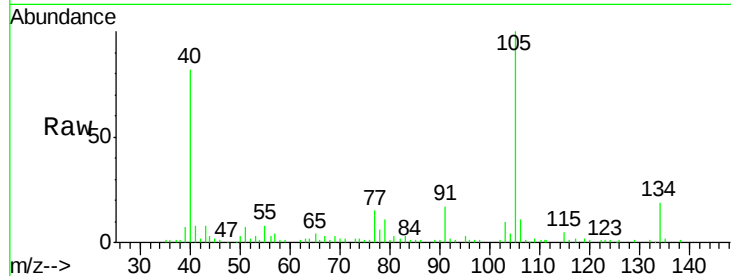
#81
 sec-Butylbenzene
 Concen: 1.337 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008483.D
 Acq: 27 Mar 2019 15:29

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-1H-B

Tot Ion: 105 Resp: 15289
 Ion Ratio Lower Upper
 105 100
 134 16.9 0.0 41.8

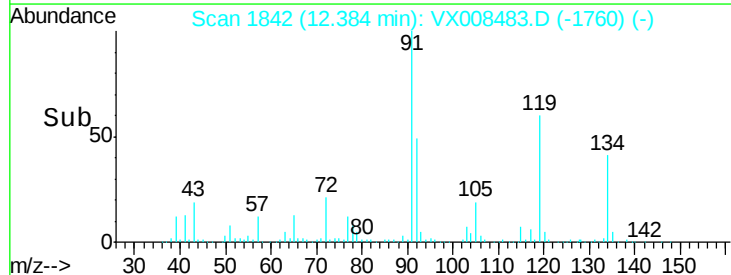
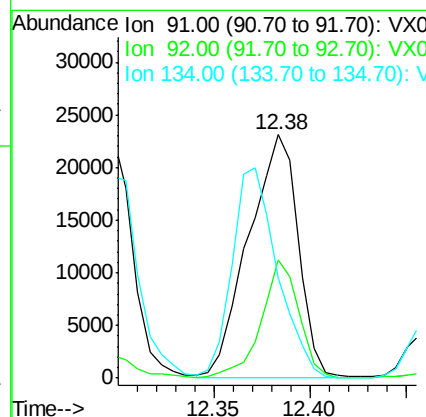
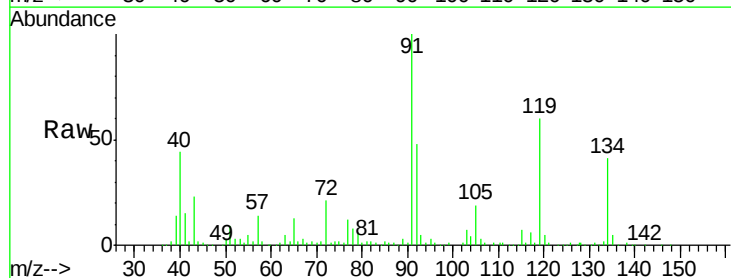
Manual Integrations
 APPROVED

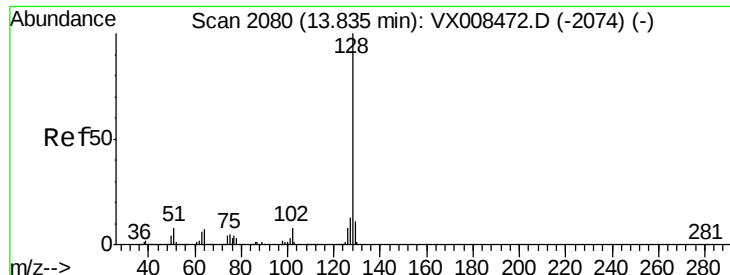
MMDadoda
 3/28/2019 9:36:39 AM



#85
 n-Butylbenzene
 Concen: 4.269 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX008483.D
 Acq: 27 Mar 2019 15:29

Tgt Ion: 91 Resp: 41480
 Ion Ratio Lower Upper
 91 100
 92 5.4 0.0 105.2
 134 17.3 0.0 56.4





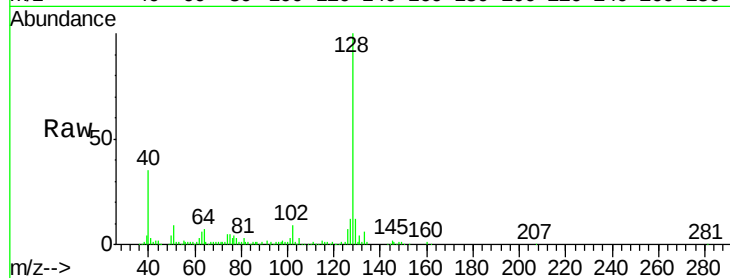
#91
Naphthalene
Concen: 3.353 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008483.D
Acq: 27 Mar 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-1H-B

Tot Ion	Ratio	Resp	Lower	Upper
128	100	39466		
127	14.3		10.5	15.7
129	12.5		8.9	13.3

Manual Integrations
APPROVED

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3/28/2019 9:36:39 AM



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

