

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008496.D
 Acq On : 27 Mar 2019 20:30
 Operator : JC/SP
 Sample : K2103-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-3H-B

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:35:25 AM

Quant Time: Mar 28 10:14:02 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	35325	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	205858	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	180380	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89589	30.32	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	101.07%		
60) 4-Bromofluorobenzene	11.13	95	93801	29.85	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	99.50%		
63) Toluene-d8	8.71	98	260759	30.45	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	101.50%		

Target Compounds

					Ovalue
15) Acetone	2.45	58	3202	6.194 ug/l	92
26) Cyclohexane	5.58	56	75034	15.724 ug/l #	75
34) Benzene	6.14	78	10803	1.020 ug/l #	91
38) Methylcyclohexane	7.46	83	82165	18.828 ug/l	76
67) m/p-Xylenes	10.36	106	5543	1.254 ug/l	100
70) Isopropylbenzene	11.02	105	16921	1.483 ug/l	94
74) n-propylbenzene	11.36	91	62990	4.633 ug/l	93
76) 1,3,5-Trimethylbenzene	11.51	105	40590	4.160 ug/l	93
85) n-Butylbenzene	12.38	91	26128m	2.758 ug/l	
91) Naphthalene	13.83	128	36267	3.159 ug/l	98

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

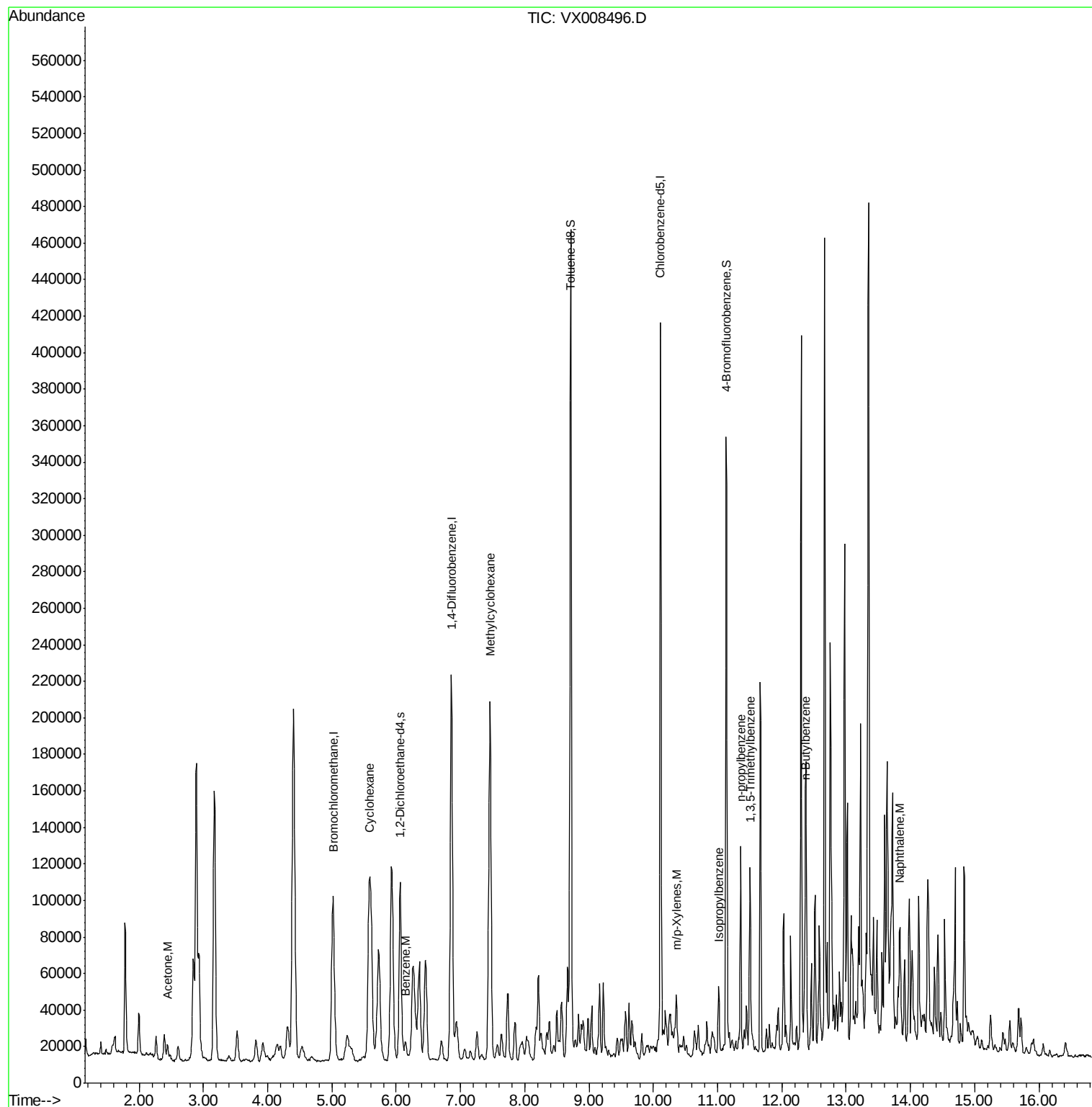
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008496.D
Acq On : 27 Mar 2019 20:30
Operator : JC/SP
Sample : K2103-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

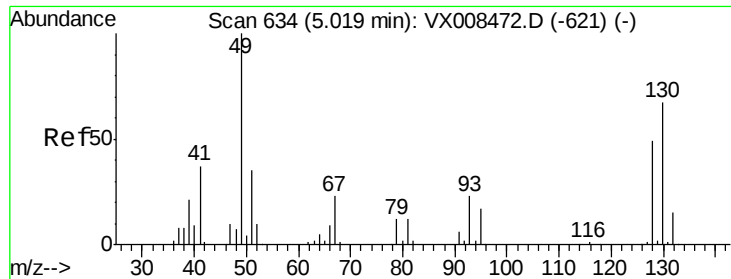
Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-3H-B

Manual Integrations
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Quant Time: Mar 28 10:14:02 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: VX008496.D

Acq: 27 Mar 2019 20:30

Instrument :

MSVOA_X

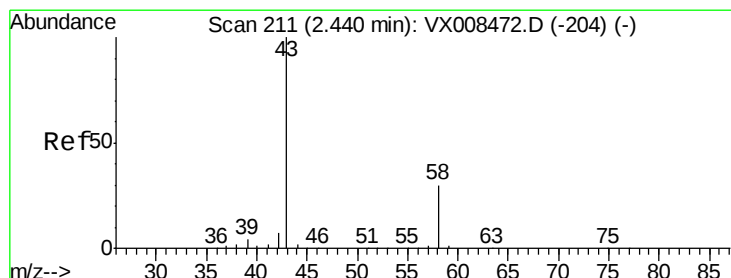
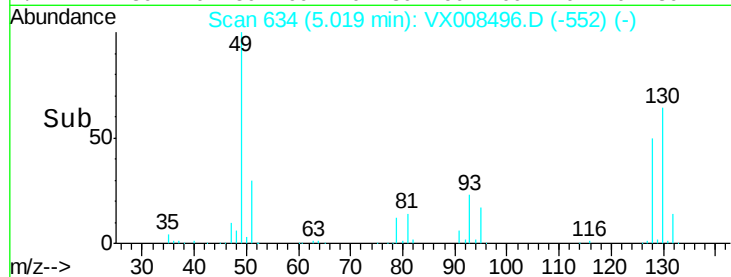
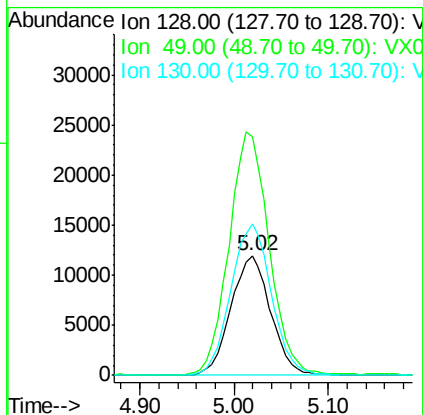
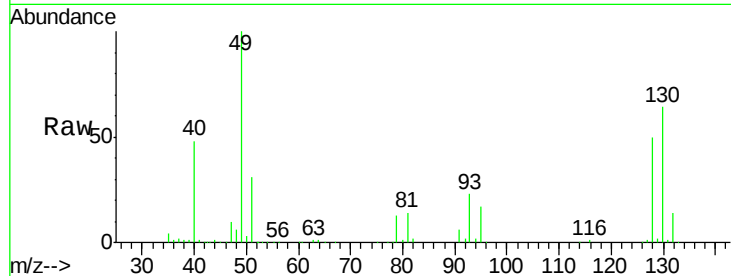
ClientSampleId :

SHORE-RD-CLVRT-STLD-3H-B

Tot Ion:	128	Resp:	35325
Ion	Ratio	Lower	Upper
128	100		
49	205.1	0.0	350.8
130	129.1	0.0	325.8

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#15

Acetone

Concen: 6.194 ug/l

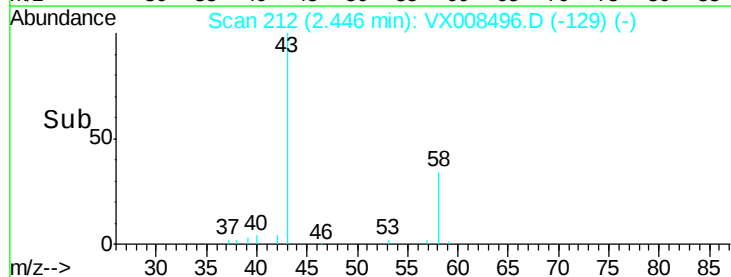
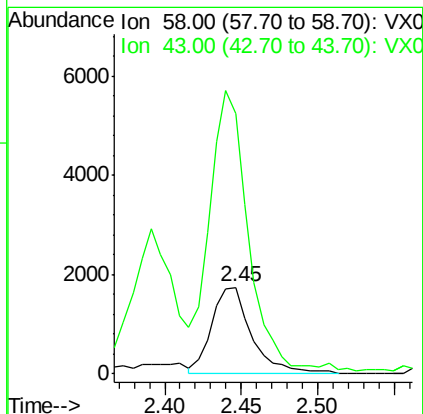
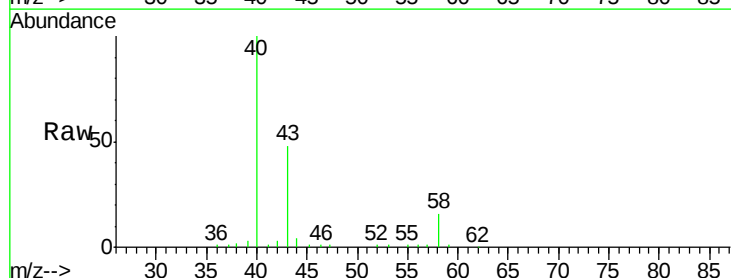
RT: 2.45 min Scan# 212

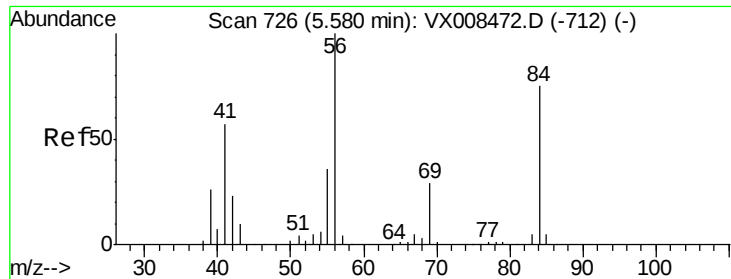
Delta R.T. 0.01 min

Lab File: VX008496.D

Acq: 27 Mar 2019 20:30

Tgt Ion:	58	Resp:	3202
Ion	Ratio	Lower	Upper
58	100		
43	296.8	249.8	374.6





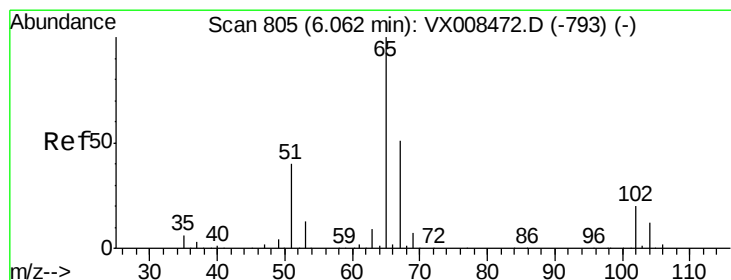
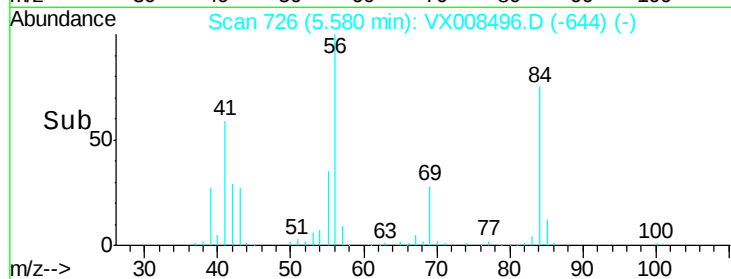
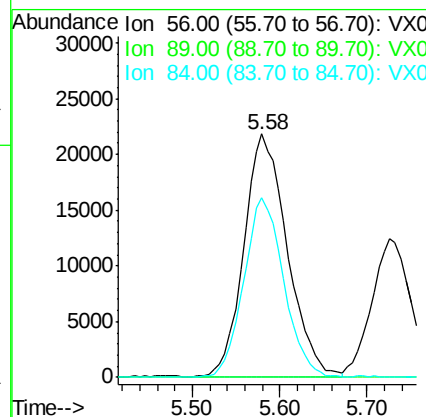
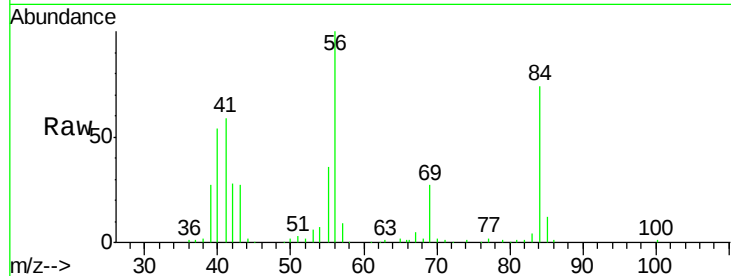
#26
Cyclohexane
Concen: 15.724 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-3H-B

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	68.3	73.9	110.9#

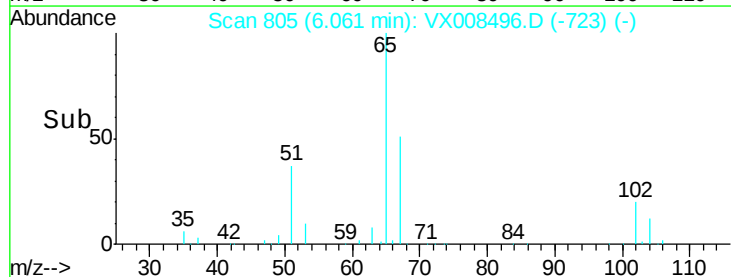
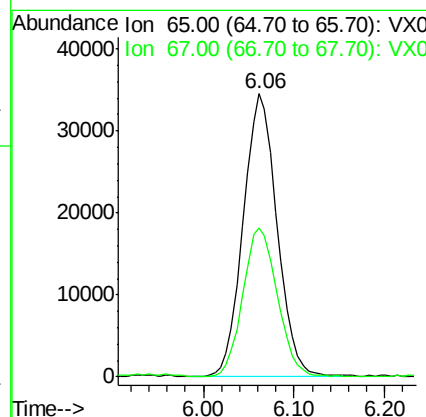
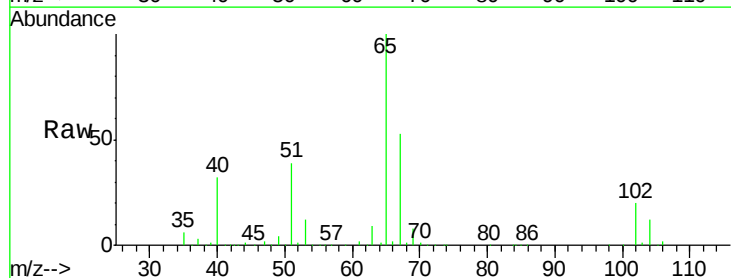
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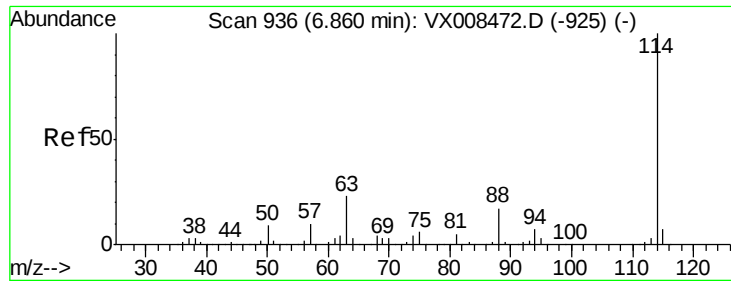
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#27
1,2-Dichloroethane-d4
Concen: 30.317 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	42.9	64.3





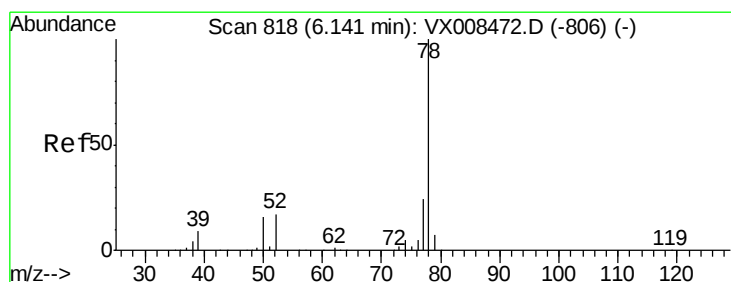
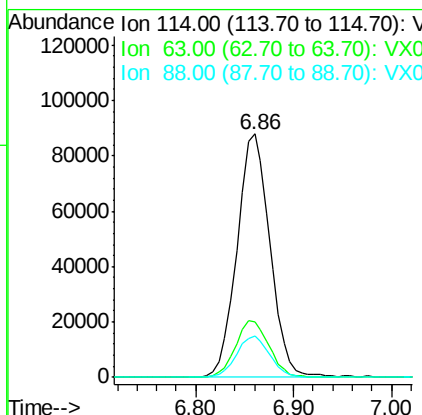
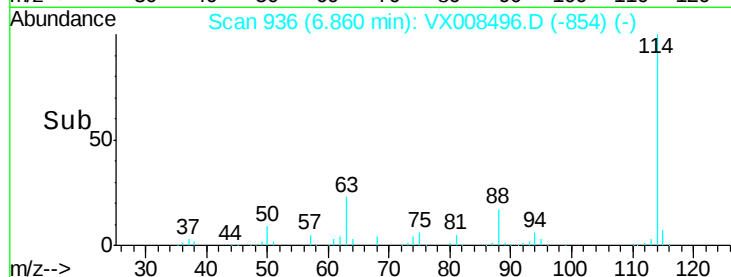
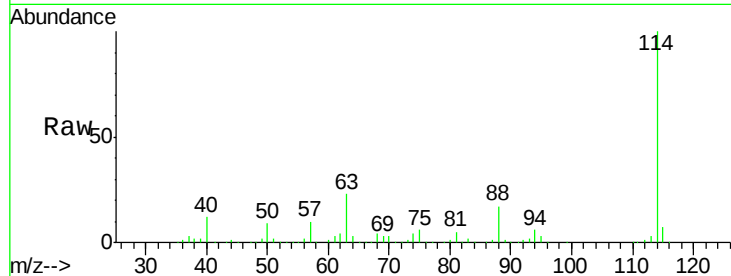
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008496.D
 Acq: 27 Mar 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-3H-B

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	14.2	21.4#
88	17.2	11.9	17.9

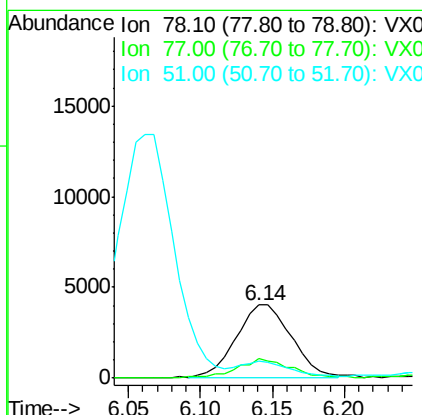
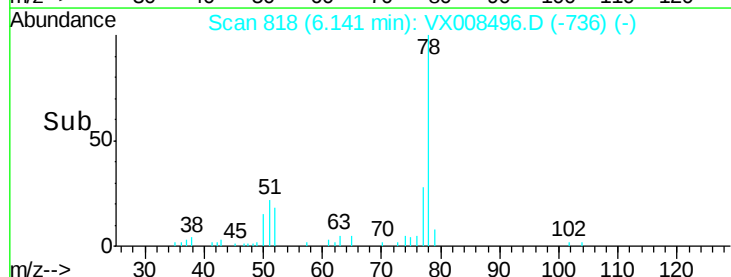
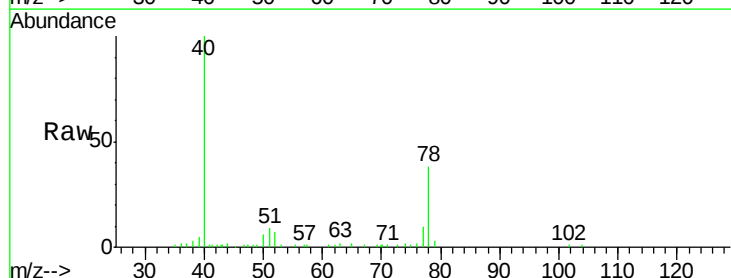
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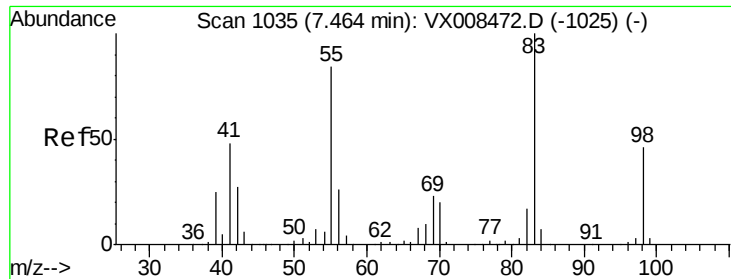
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#34
 Benzene
 Concen: 1.020 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: VX008496.D
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Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.1	28.7
51	20.9	10.8	16.2#





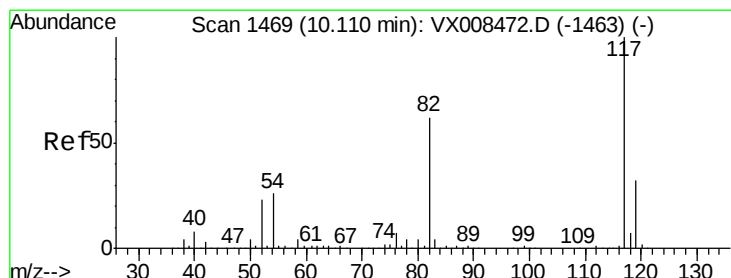
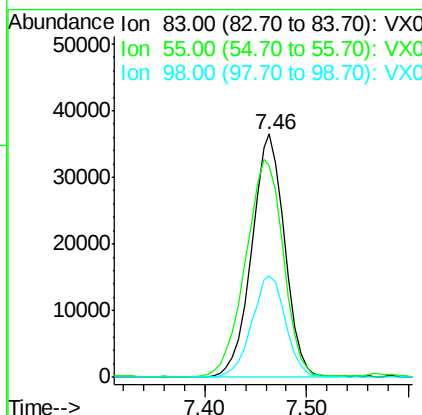
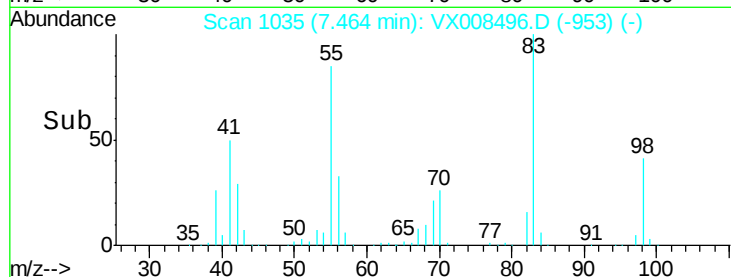
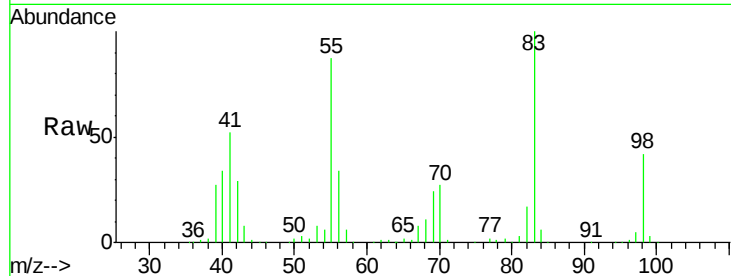
#38
Methvlcvclohexane
Concen: 18.828 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-3H-B

Tot Ion	Ratio	Lower	Upper
83	100		
55	102.0	36.0	108.0
98	43.2	23.8	71.4

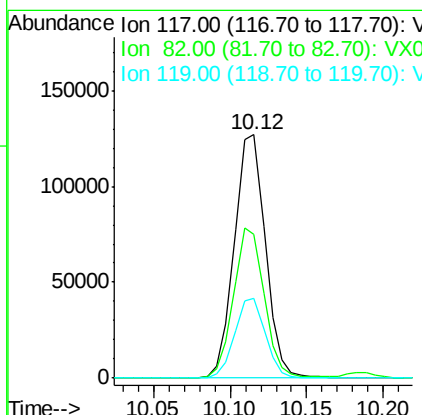
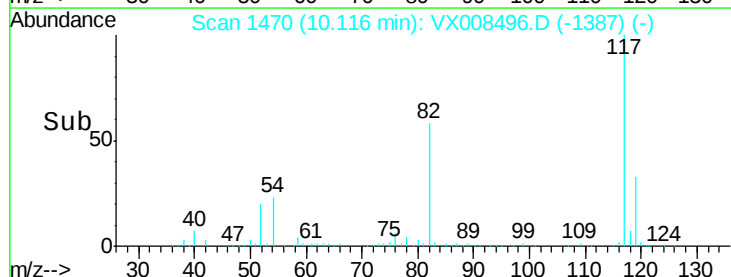
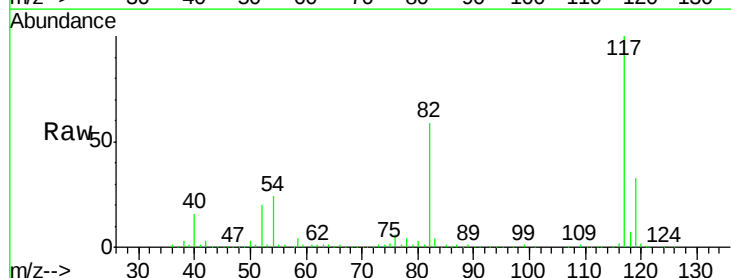
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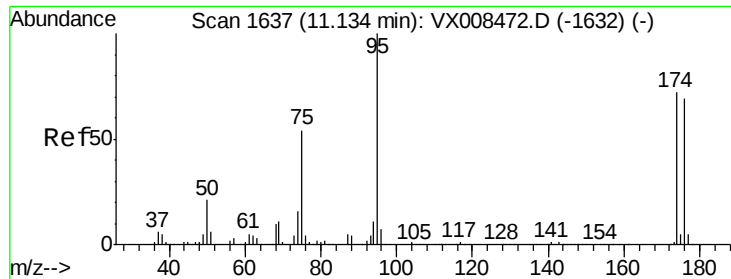
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.3	40.4	60.6
119	32.1	25.8	38.6





#60

4-Bromofluorobenzene

Concen: 29.846 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008496.D

Acq: 27 Mar 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-3H-B

Tot Ion: 95 Resp: 93801

Ion Ratio Lower Upper

95 100

174 73.7 74.9 112.3#

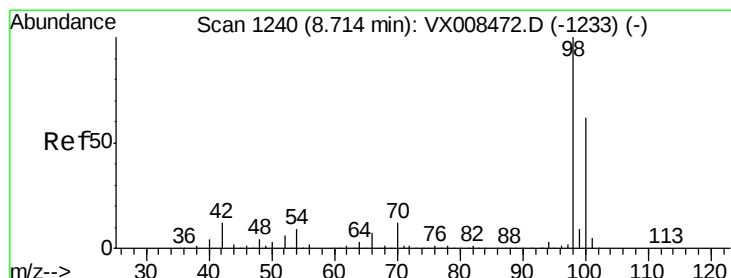
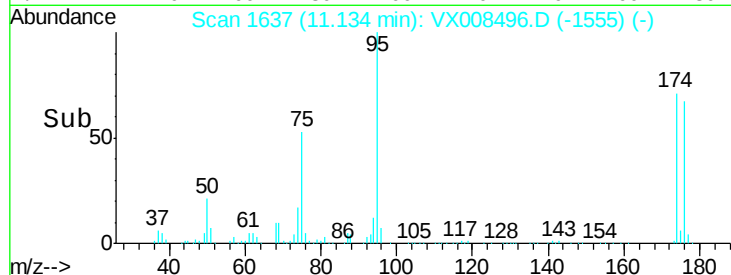
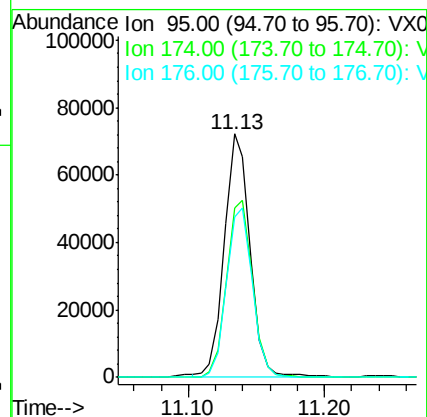
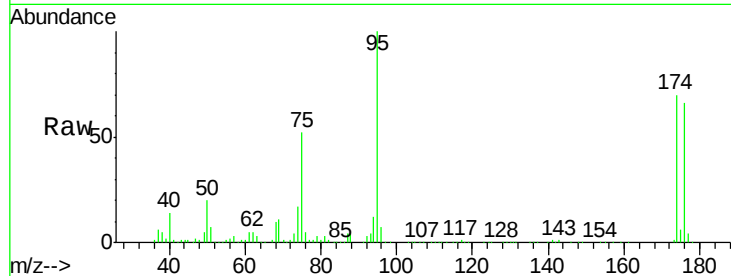
176 70.4 70.7 106.1#

Manual Integrations

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#63

Toluene-d8

Concen: 30.455 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008496.D

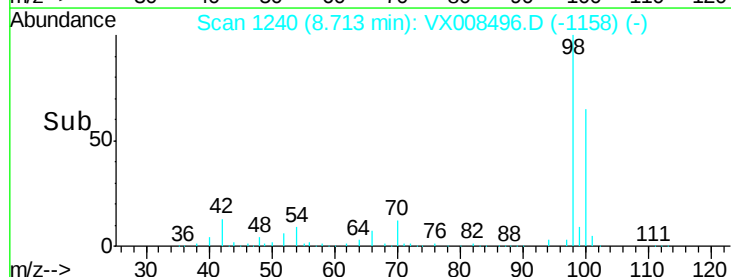
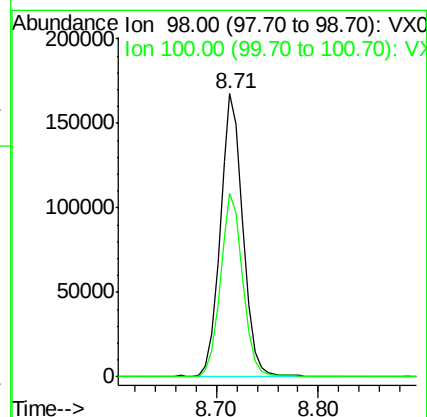
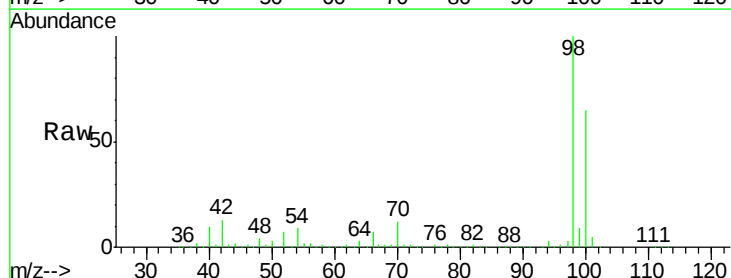
Acq: 27 Mar 2019 20:30

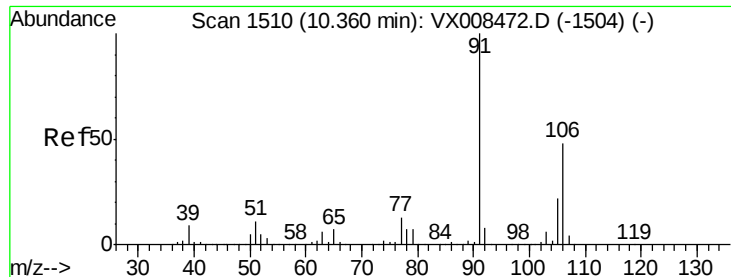
Tgt Ion: 98 Resp: 260759

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3





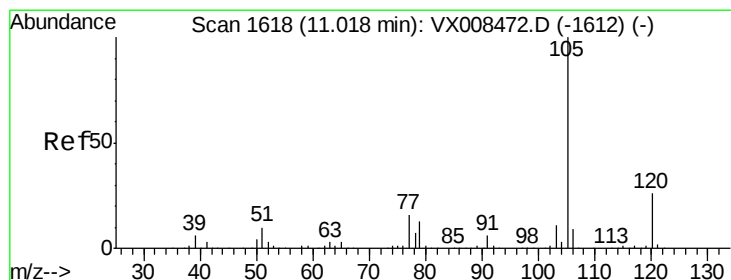
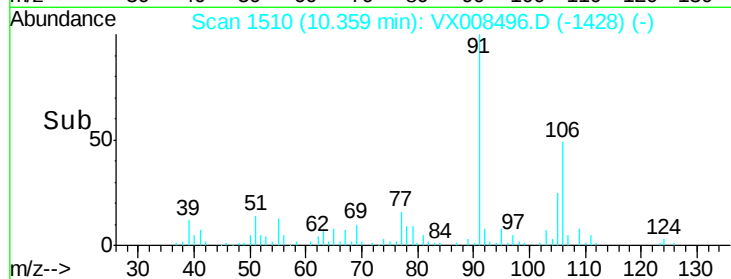
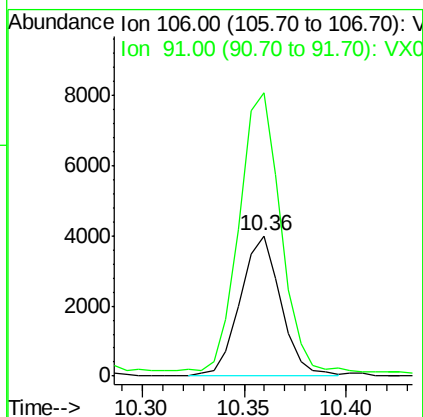
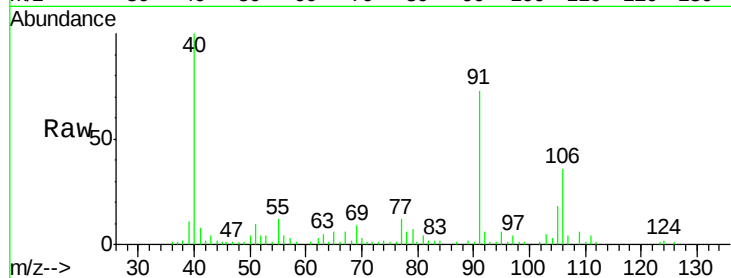
#67
m/p-Xvlenes
Concen: 1.254 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-3H-B

Tot Ion:106 Resp: 5543
Ion Ratio Lower Upper
106 100
91 196.7 157.0 235.4

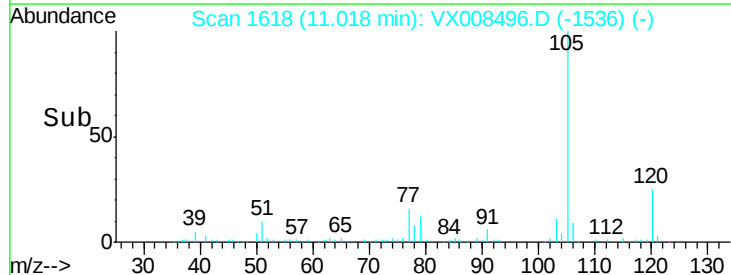
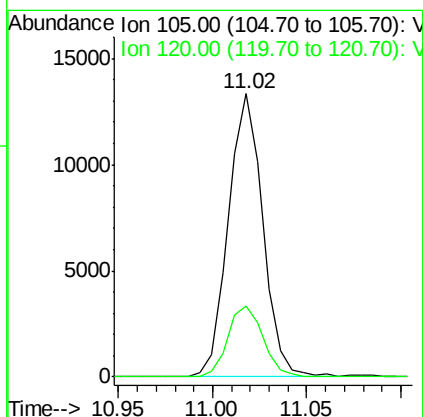
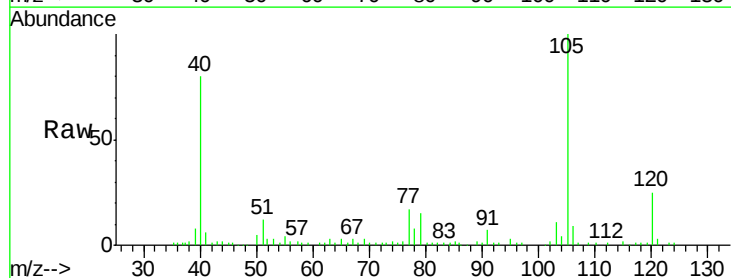
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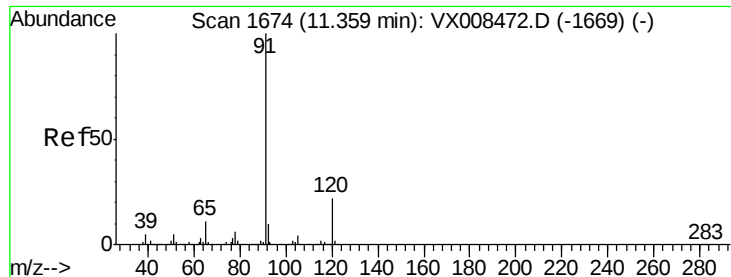
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#70
Isopropylbenzene
Concen: 1.483 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008496.D
Acq: 27 Mar 2019 20:30

Tgt Ion:105 Resp: 16921
Ion Ratio Lower Upper
105 100
120 25.3 19.8 36.8





#74

n-propylbenzene

Concen: 4.633 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008496.D

Acq: 27 Mar 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-3H-B

Tot Ion: 91 Resp: 62990

Ion Ratio Lower Upper

91 100

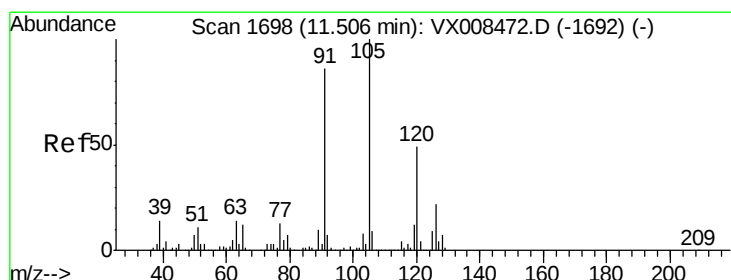
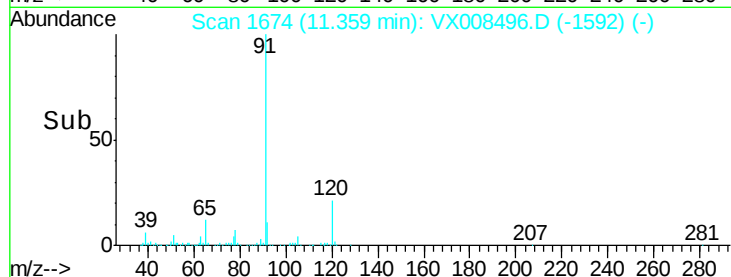
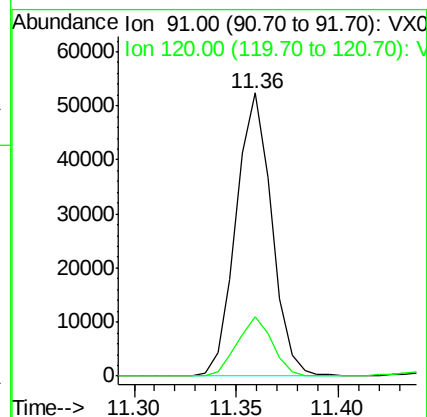
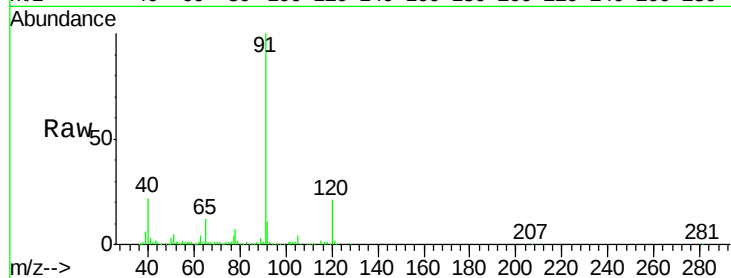
120 21.0 0.0 48.6

Manual Integrations

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3/28/2019 9:35:25 AM



#76

1,3,5-Trimethylbenzene

Concen: 4.160 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008496.D

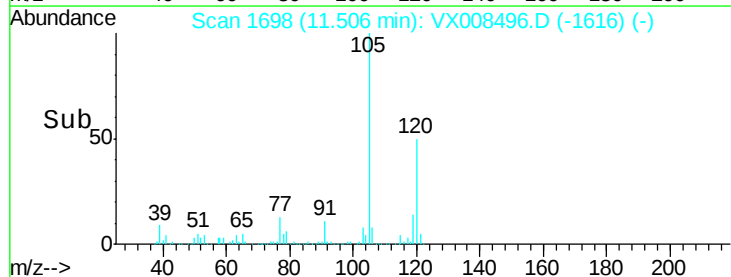
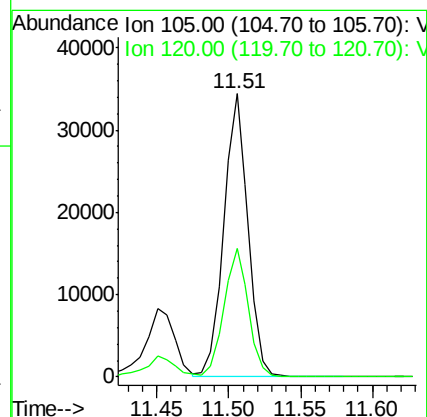
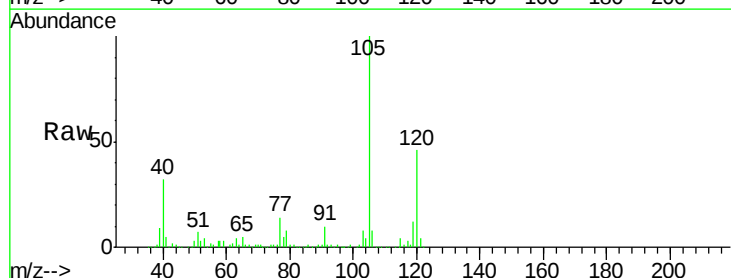
Acq: 27 Mar 2019 20:30

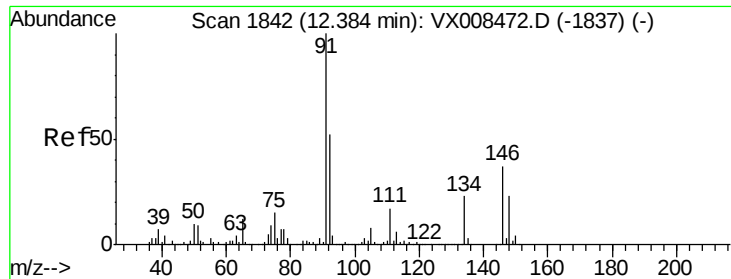
Tgt Ion: 105 Resp: 40590

Ion Ratio Lower Upper

105 100

120 45.8 0.0 101.0





#85

n-Butylbenzene

Concen: 2.758 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008496.D

Acq: 27 Mar 2019 20:30

Instrument :

MSVOA_X

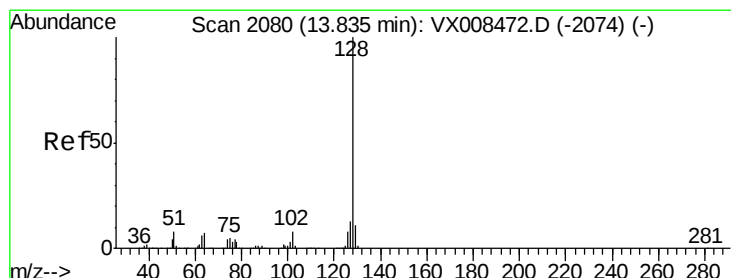
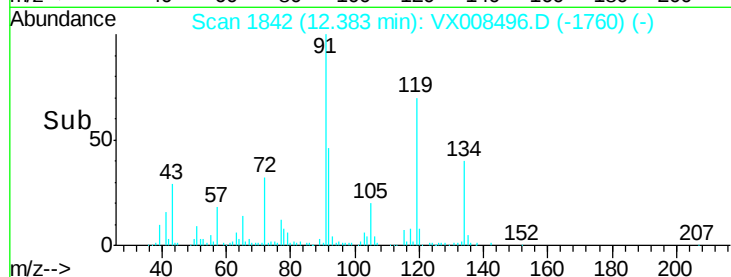
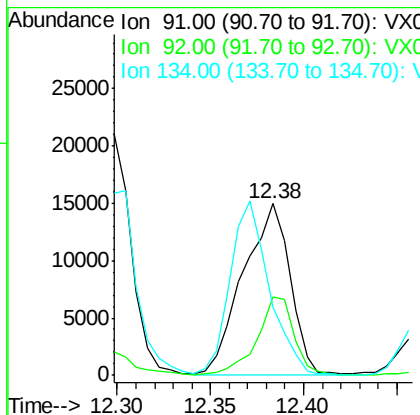
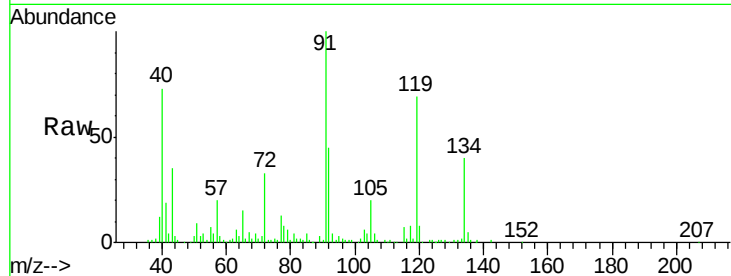
ClientSampleId :

SHORE-RD-CLVRT-STLD-3H-B

Tot Ion:	91	Resp:	26128
Ion	Ratio	Lower	Upper
91	100		
92	1.2	0.0	105.2
134	0.1	0.0	56.4

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:35:25 AM



#91

Naphthalene

Concen: 3.159 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008496.D

Acq: 27 Mar 2019 20:30

Tgt Ion:	128	Resp:	36267
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	12.0	8.9	13.3

