

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008489.D
 Acq On : 27 Mar 2019 17:48
 Operator : JC/SP
 Sample : K2099-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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MMDadoda
 3/28/2019 9:35:50 AM

Quant Time: Mar 28 10:07:02 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	5.01	128	35393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	203470	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	177698	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89760	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	11.13	95	88538	28.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.33%
63) Toluene-d8	8.71	98	258942	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

					Ovalue
15) Acetone	2.44	58	2651	5.119 ug/l	93
26) Cyclohexane	5.59	56	87691	18.342 ug/l #	70
34) Benzene	6.15	78	10612	1.014 ug/l	96
38) Methylcyclohexane	7.46	83	102186	23.690 ug/l	76
67) m/p-Xylenes	10.35	106	5413	1.243 ug/l	87
70) Isopropylbenzene	11.02	105	17807	1.584 ug/l	95
74) n-propylbenzene	11.36	91	68010	5.077 ug/l	93
76) 1,3,5-Trimethylbenzene	11.51	105	40930	4.258 ug/l	97
85) n-Butylbenzene	12.38	91	34035m	3.646 ug/l	
91) Naphthalene	13.83	128	35498	3.139 ug/l	97

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

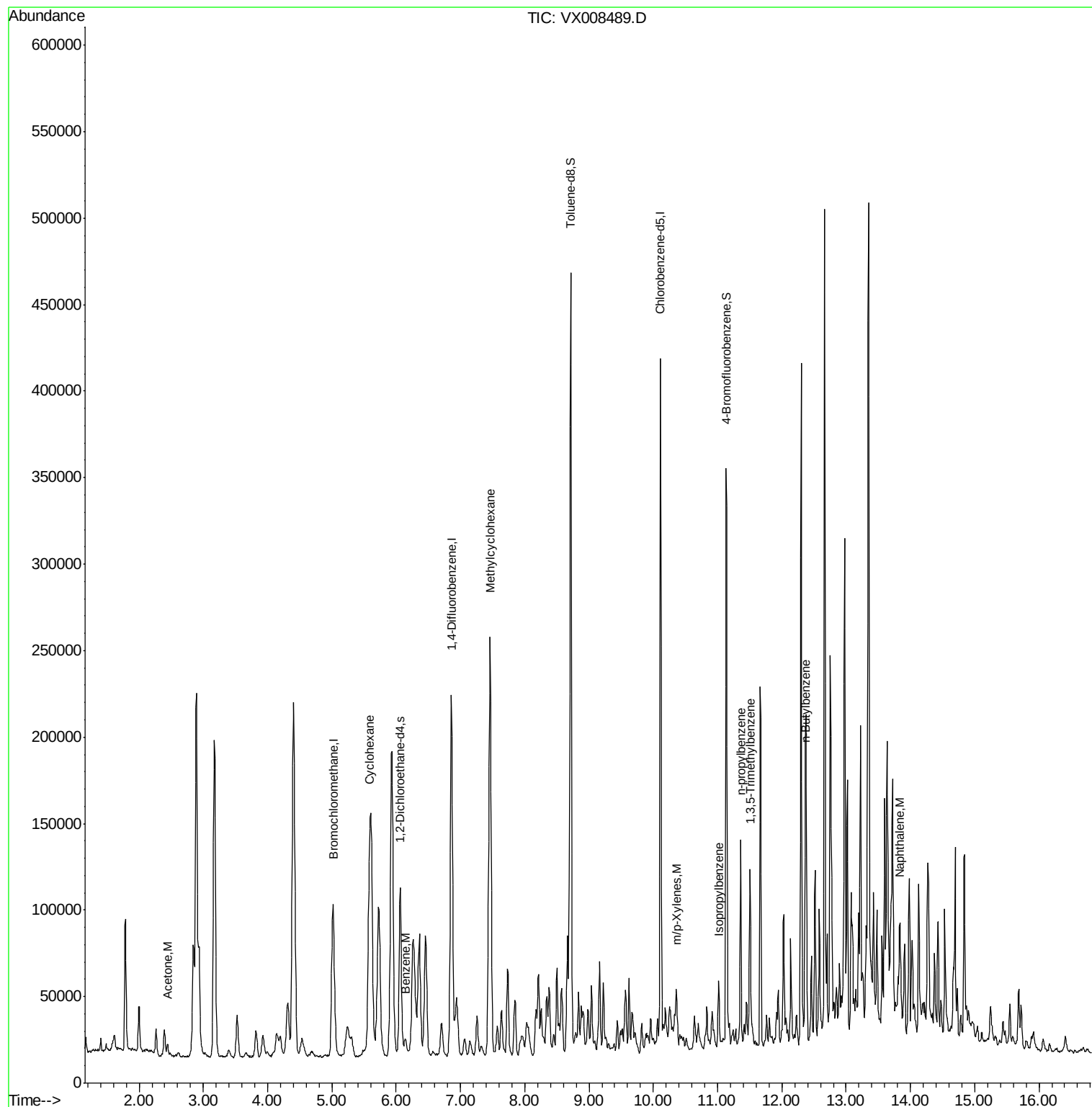
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008489.D
Acq On : 27 Mar 2019 17:48
Operator : JC/SP
Sample : K2099-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

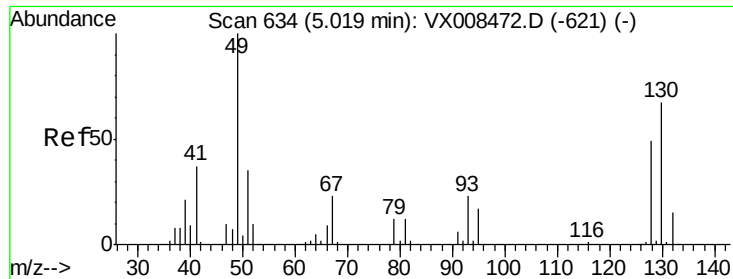
Instrument :
MSVOA_X
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-B

Manual Integrations
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3/28/2019 9:35:50 AM

Quant Time: Mar 28 10:07:02 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: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Instrument :

MSVOA_X

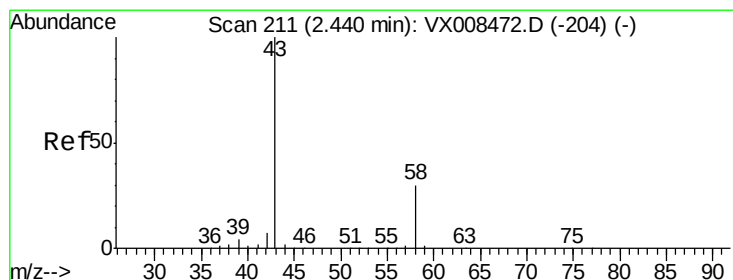
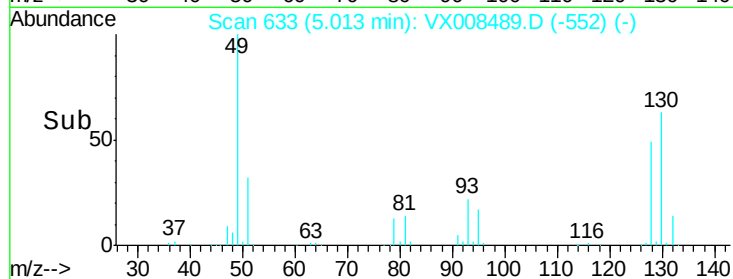
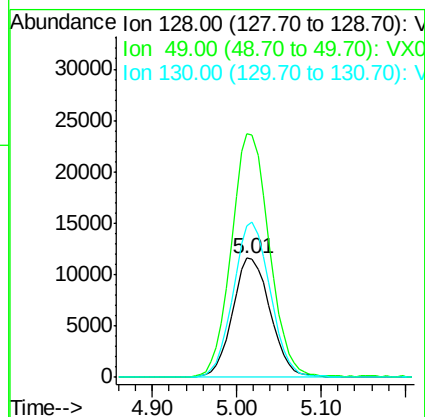
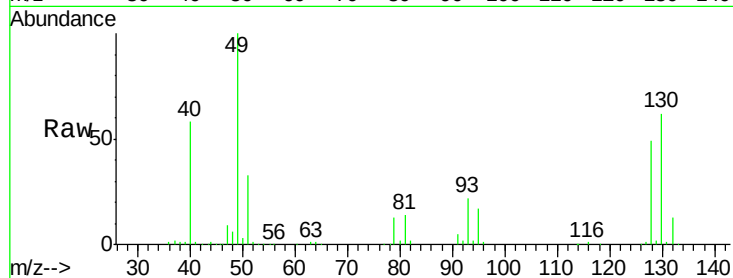
ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

Tot Ion:	128	Resp:	35393
Ion	Ratio	Lower	Upper
128	100		
49	204.8	0.0	350.8
130	127.2	0.0	325.8

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#15

Acetone

Concen: 5.119 ug/l

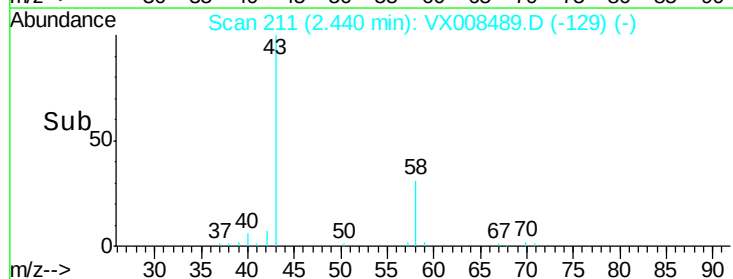
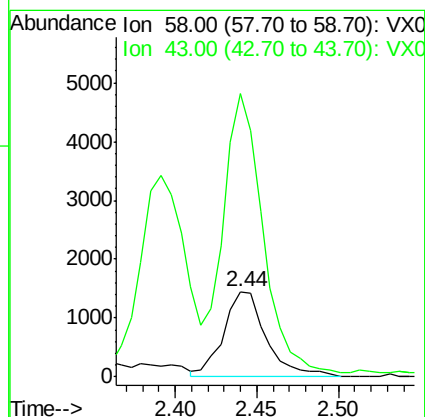
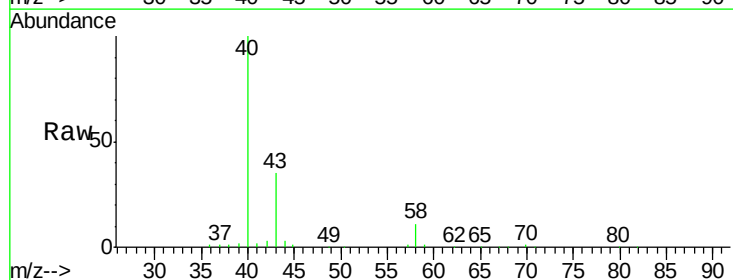
RT: 2.44 min Scan# 211

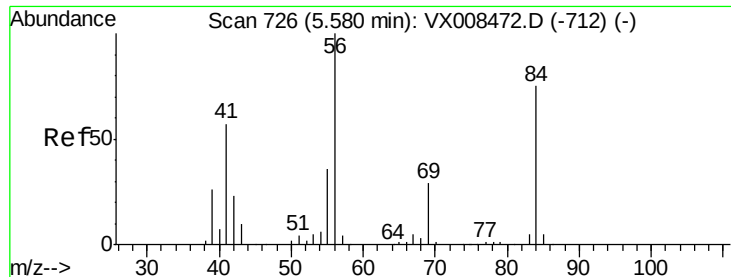
Delta R.T. -0.00 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Tgt Ion:	58	Resp:	2651
Ion	Ratio	Lower	Upper
58	100		
43	326.6	249.8	374.6





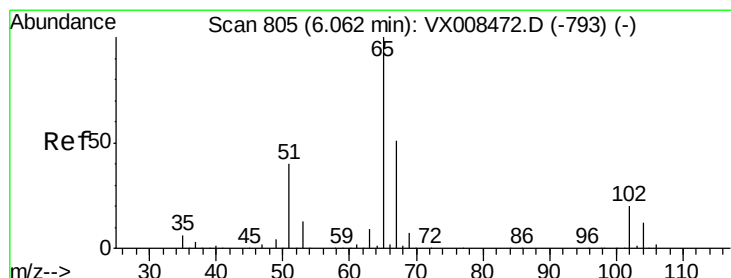
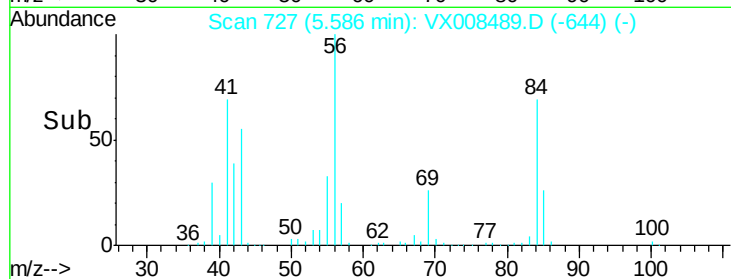
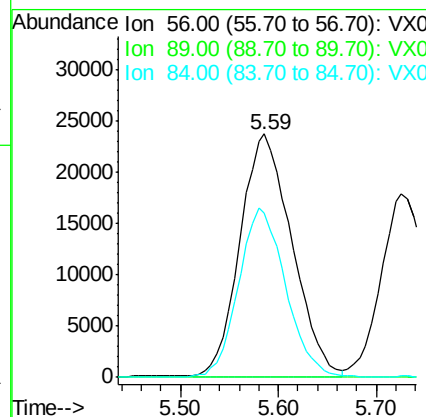
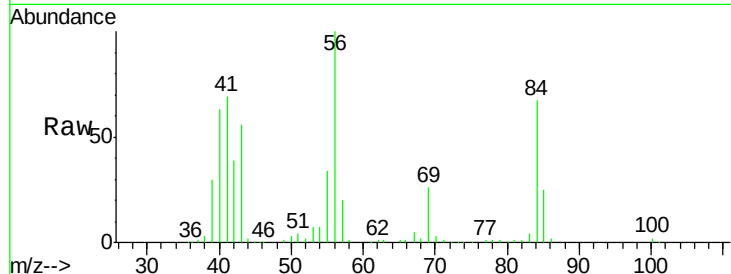
#26
Cyclohexane
Concen: 18.342 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008489.D
Acq: 27 Mar 2019 17:48

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

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	63.3	73.9	110.9#

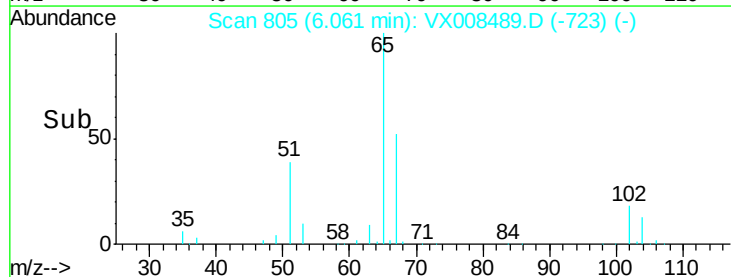
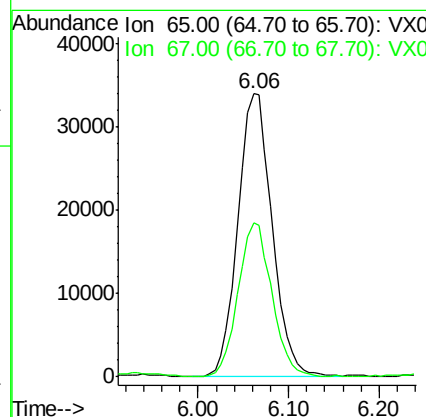
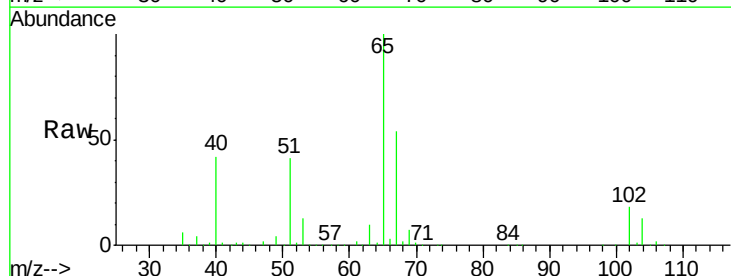
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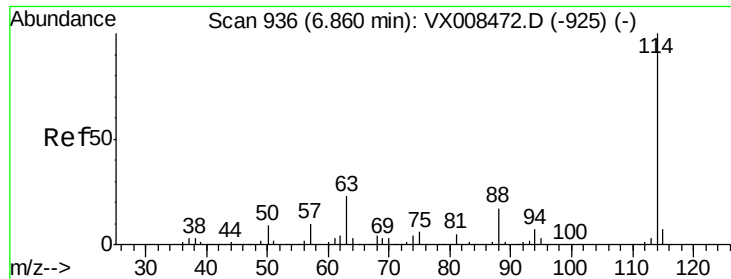
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#27
1,2-Dichloroethane-d4
Concen: 30.316 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008489.D
Acq: 27 Mar 2019 17:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	42.9	64.3





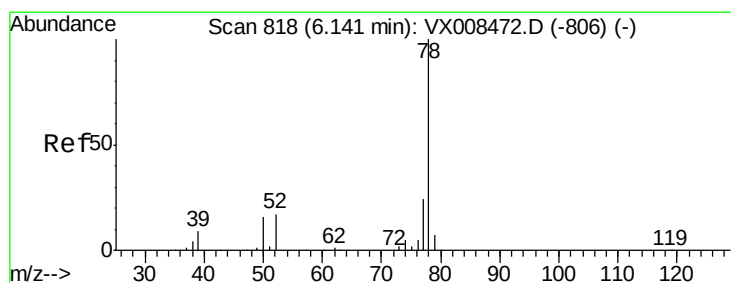
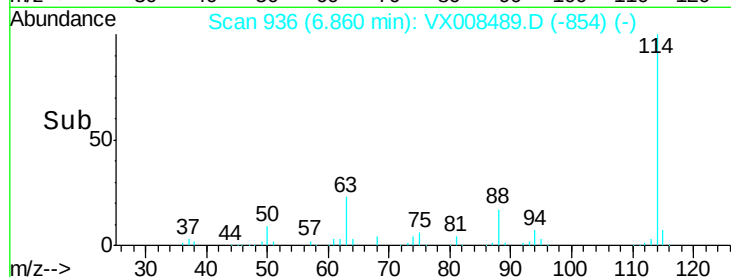
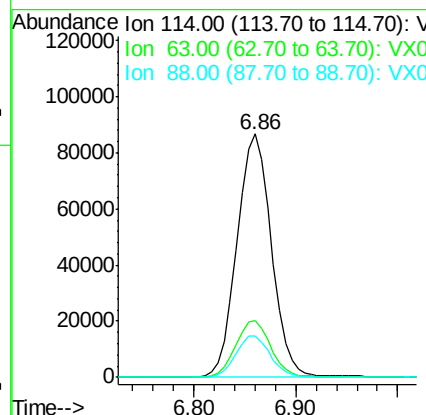
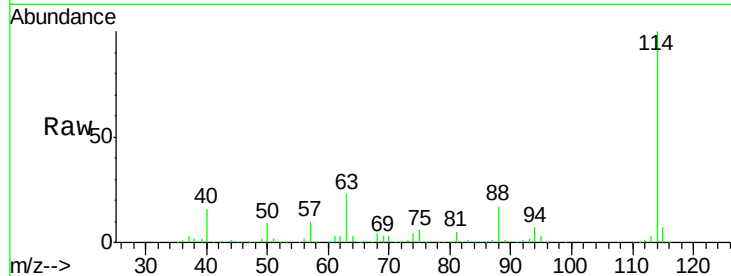
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008489.D
 Acq: 27 Mar 2019 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
114	100	203470		
63	23.7		14.2	21.4#
88	17.2		11.9	17.9

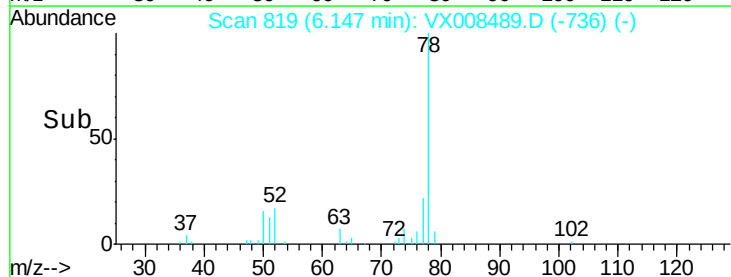
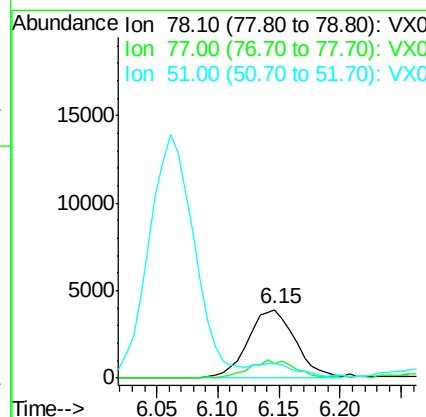
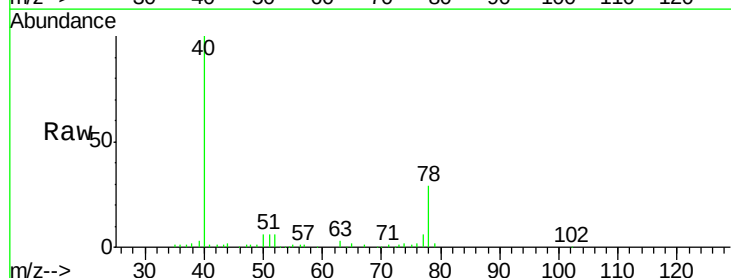
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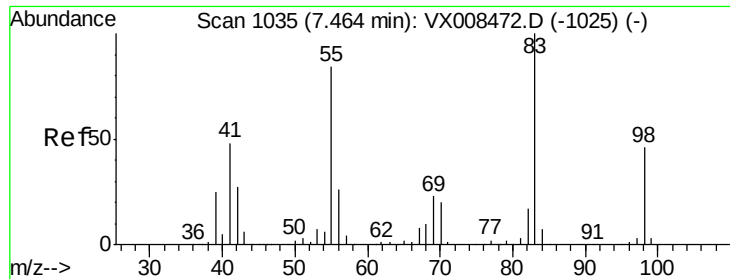
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#34
 Benzene
 Concen: 1.014 ug/l
 RT: 6.15 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: VX008489.D
 Acq: 27 Mar 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	10612		
77	22.0		19.1	28.7
51	15.6		10.8	16.2





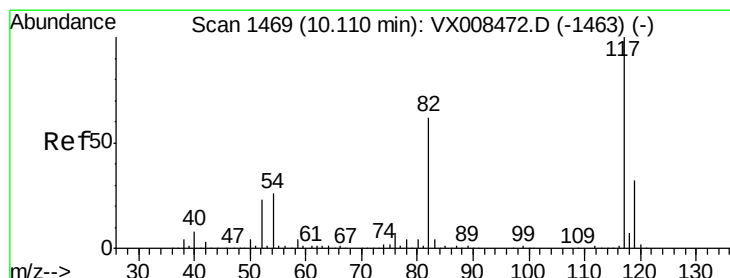
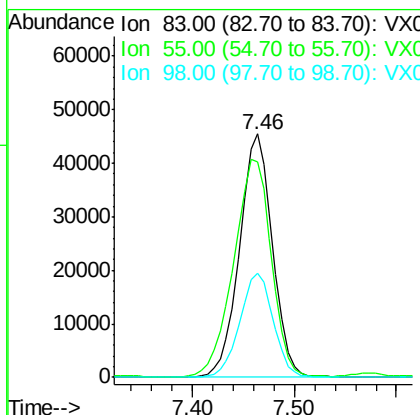
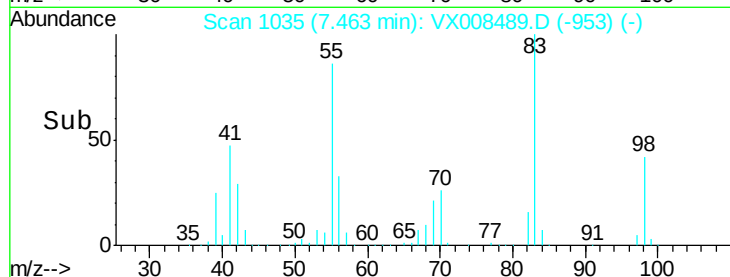
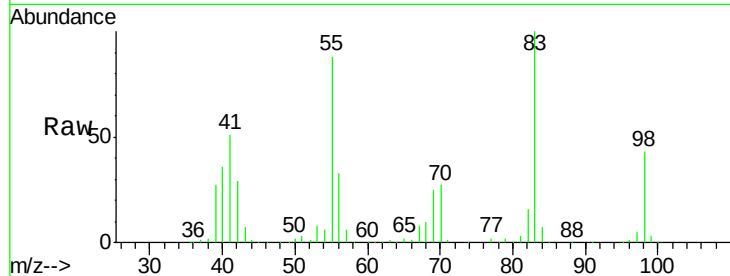
#38
Methylvlcyclohexane
Concen: 23.690 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008489.D
Acq: 27 Mar 2019 17:48

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	101.8	36.0	108.0
98	43.5	23.8	71.4

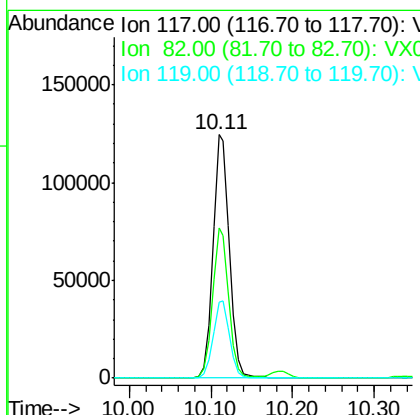
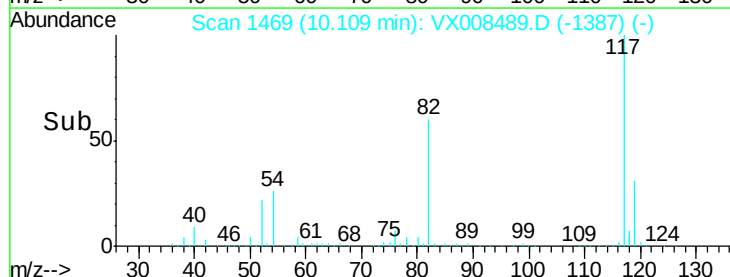
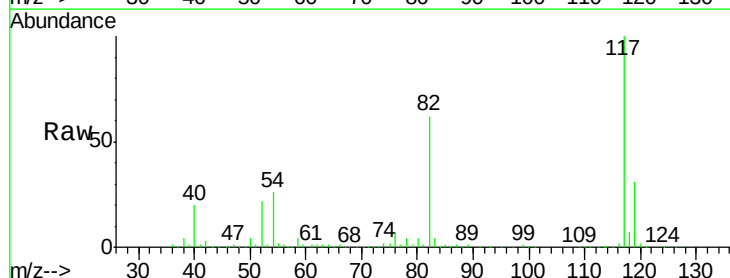
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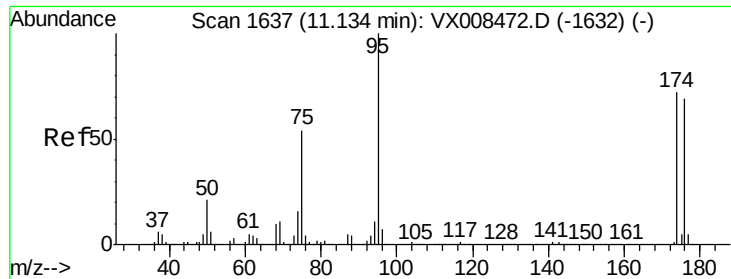
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008489.D
Acq: 27 Mar 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	40.4	60.6
119	32.0	25.8	38.6





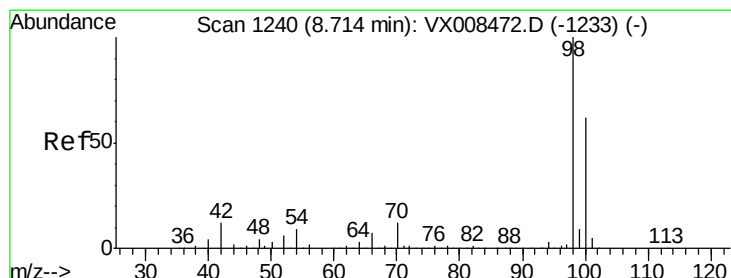
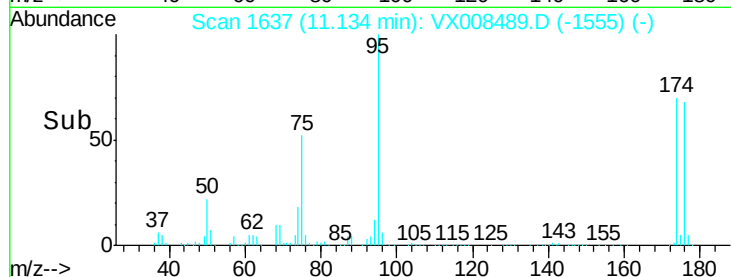
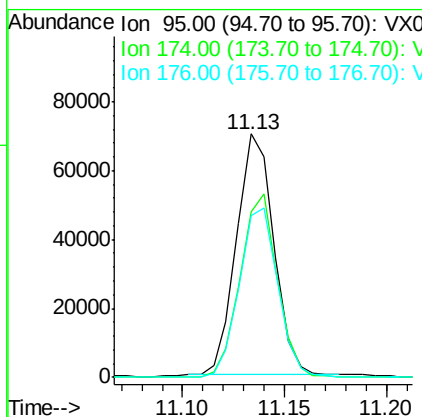
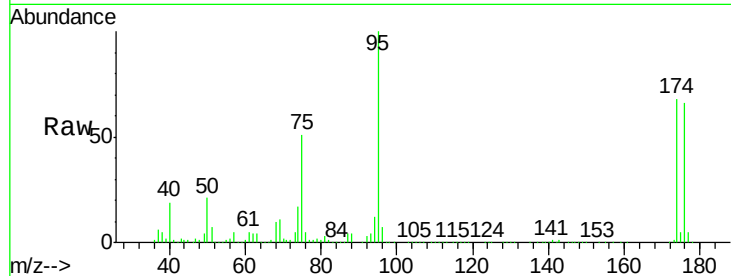
#60
 4-Bromofluorobenzene
 Concen: 28.597 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008489.D
 Acq: 27 Mar 2019 17:48

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

Tot Ion	95	Resp	88538
Ion Ratio	100	Lower	Upper
95	100		
174	76.5	74.9	112.3
176	73.1	70.7	106.1

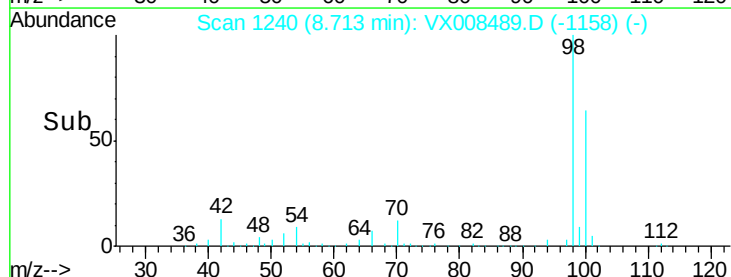
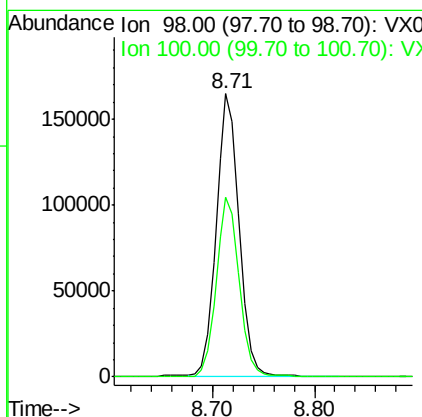
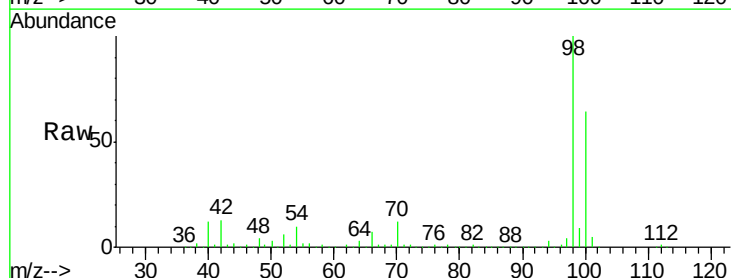
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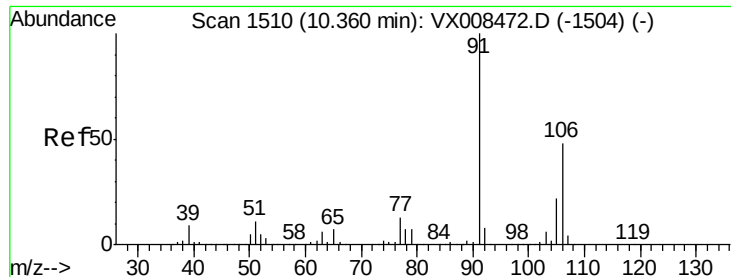
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#63
 Toluene-d8
 Concen: 30.699 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008489.D
 Acq: 27 Mar 2019 17:48

Tgt Ion	98	Resp	258942
Ion Ratio	100	Lower	Upper
98	100		
100	63.2	50.9	76.3





#67

m/p-Xylenes

Concen: 1.243 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

Tot Ion:106 Resp: 5413

Ion Ratio Lower Upper

106 100

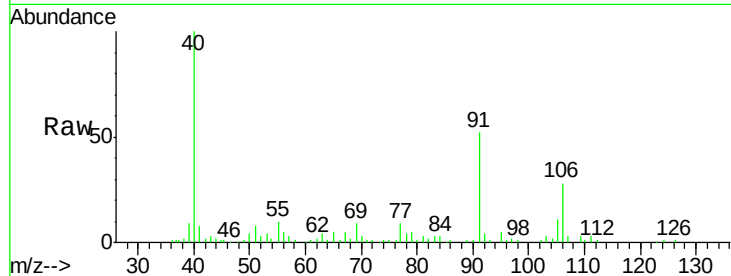
91 215.0 157.0 235.4

Manual Integrations

APPROVED

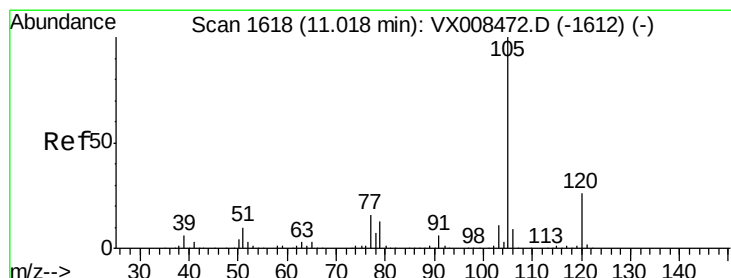
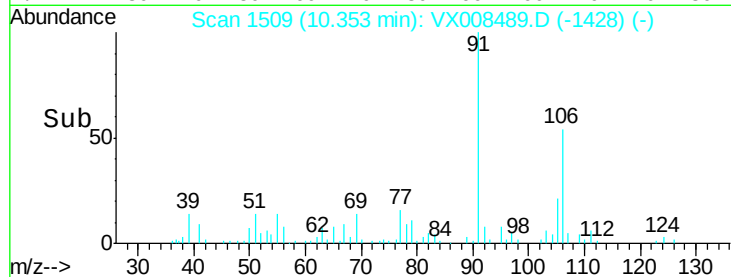
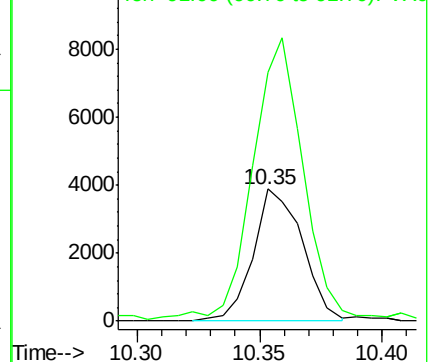
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Isopropylbenzene

Concen: 1.584 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008489.D

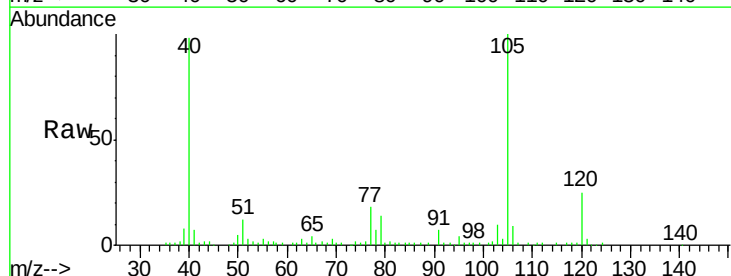
Acq: 27 Mar 2019 17:48

Tgt Ion:105 Resp: 17807

Ion Ratio Lower Upper

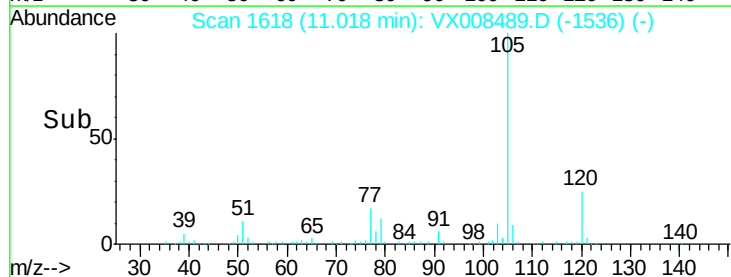
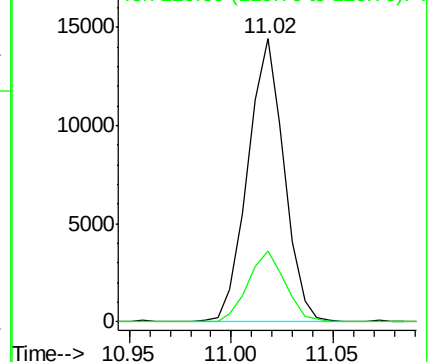
105 100

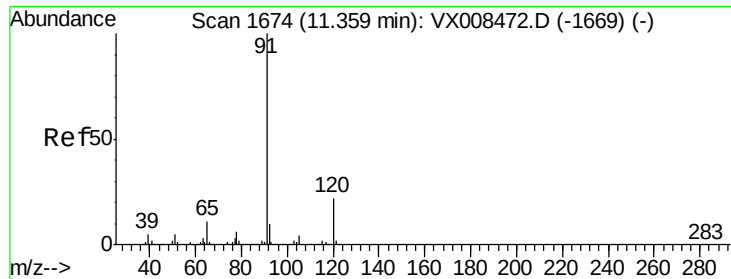
120 25.7 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

n-propylbenzene

Concen: 5.077 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

Tot Ion: 91 Resp: 68010

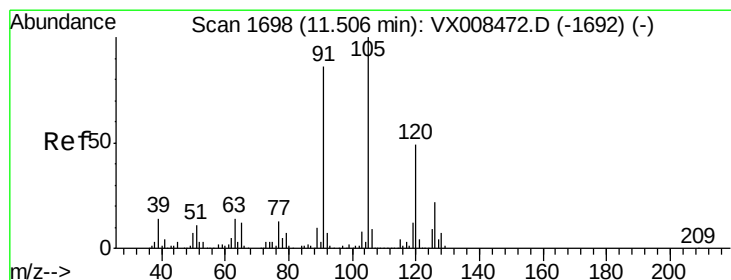
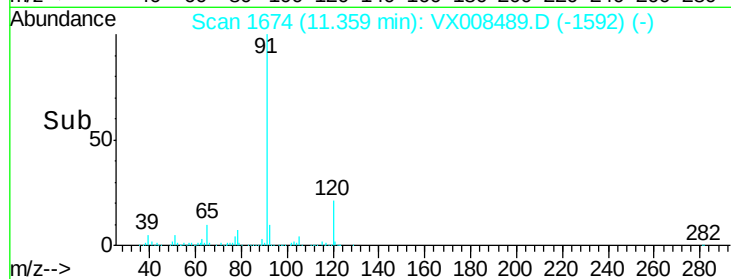
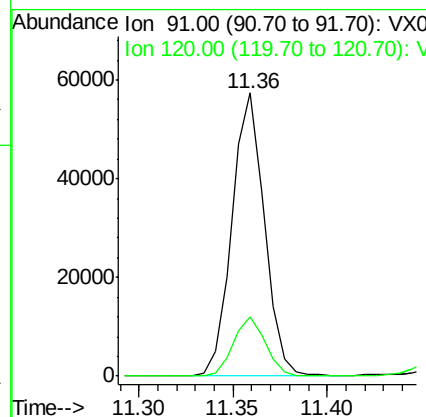
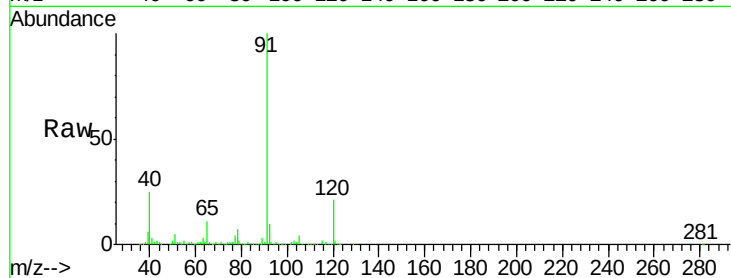
Ion Ratio Lower Upper

91 100

120 20.9 0.0 48.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 4.258 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008489.D

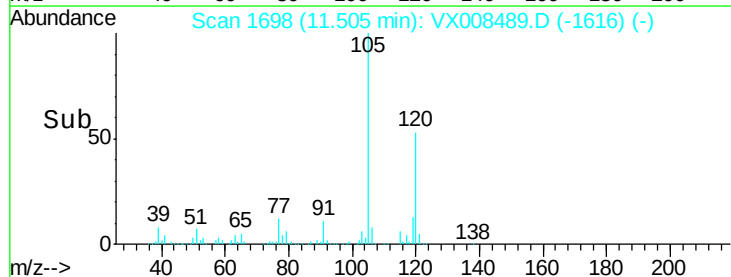
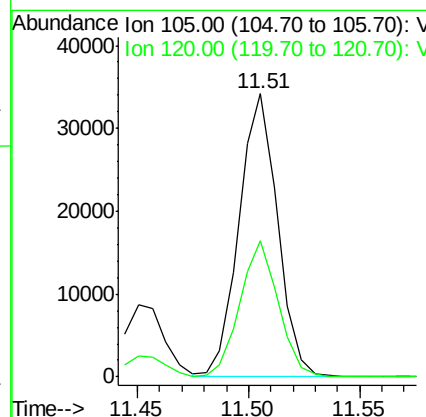
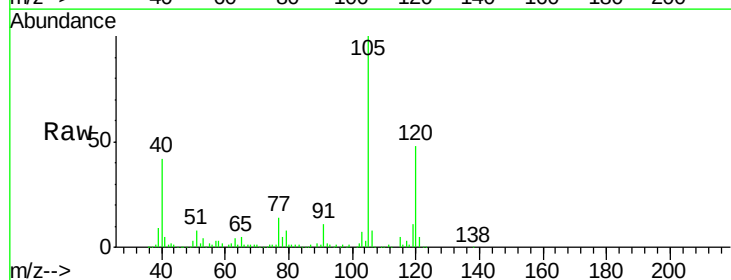
Acq: 27 Mar 2019 17:48

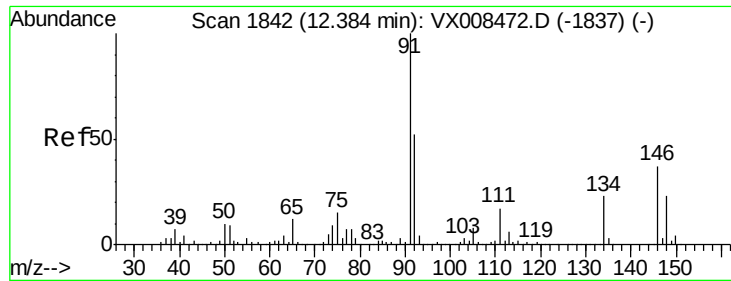
Tgt Ion: 105 Resp: 40930

Ion Ratio Lower Upper

105 100

120 48.2 0.0 101.0





#85

n-Butylbenzene

Concen: 3.646 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Instrument :

MSVOA_X

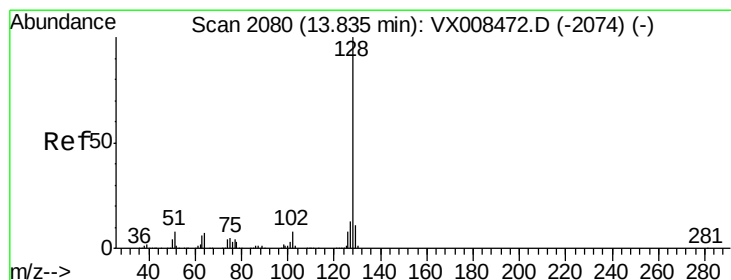
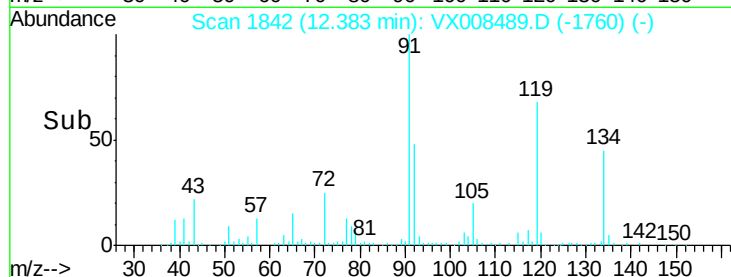
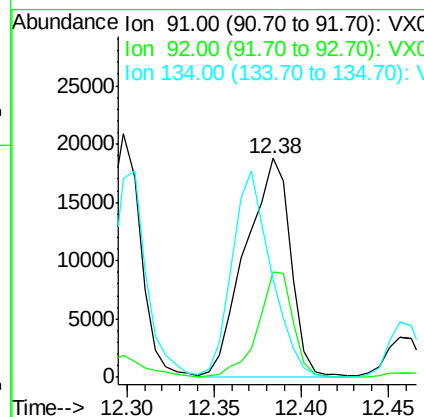
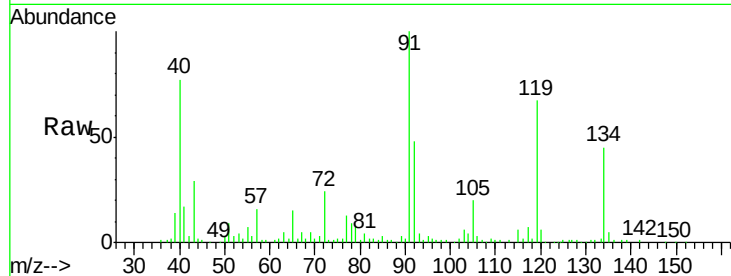
ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

Tot Ion:	91	Resp:	34035
Ion	Ratio	Lower	Upper
91	100		
92	5.1	0.0	105.2
134	18.9	0.0	56.4

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:35:50 AM



#91

Naphthalene

Concen: 3.139 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008489.D

Acq: 27 Mar 2019 17:48

Tgt Ion:	128	Resp:	35498
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	12.5	8.9	13.3

