

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013735.D
 Acq On : 03 Dec 2019 19:18
 Operator : JC/SP
 Sample : K6084-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30734

Manual Integrations
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 12/4/2019 1:52:32 PM

Quant Time: Dec 04 07:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	710675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1077703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	466964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	382988	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
35) Dibromofluoromethane	5.48	113	324109	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
50) Toluene-d8	8.71	98	1285360	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.14	95	449367	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	1165317	572.300	ug/l	95
16) Acetone	2.43	43	5312932	1304.491	ug/l	97
18) Methyl Acetate	2.76	43	818064	72.132	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	378570	16.897	ug/l	98
20) Methylene Chloride	2.85	84	15252	1.949	ug/l	97
25) 2-Butanone	4.65	43	1596458	263.749	ug/l	100
29) Tetrahydrofuran	5.12	42	90984	24.383	ug/l	100
37) Ethyl Acetate	4.83	43	80794	7.362	ug/l	99
40) Benzene	6.14	78	2677449	89.861	ug/l	100
43) Isopropyl Acetate	6.44	43	284190	15.729	ug/l #	88
49) 1,4-Dioxane	7.73	88	90492	460.509	ug/l #	63
51) 4-Methyl-2-Pentanone	8.64	43	340309m	29.943	ug/l	
52) Toluene	8.78	92	2890580	156.163	ug/l	99
59) 2-Hexanone	9.49	43	272027	30.689	ug/l	100
67) Ethyl Benzene	10.25	91	748327	21.716	ug/l	99
68) m/p-Xylenes	10.36	106	1503556	113.963	ug/l	100
69) o-Xylene	10.70	106	838628	65.175	ug/l	98
73) Isopropylbenzene	11.01	105	35734	1.091	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	94185	3.508	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	375167	13.769	ug/l	93
95) Naphthalene	13.83	128	338813	10.711	ug/l #	94

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

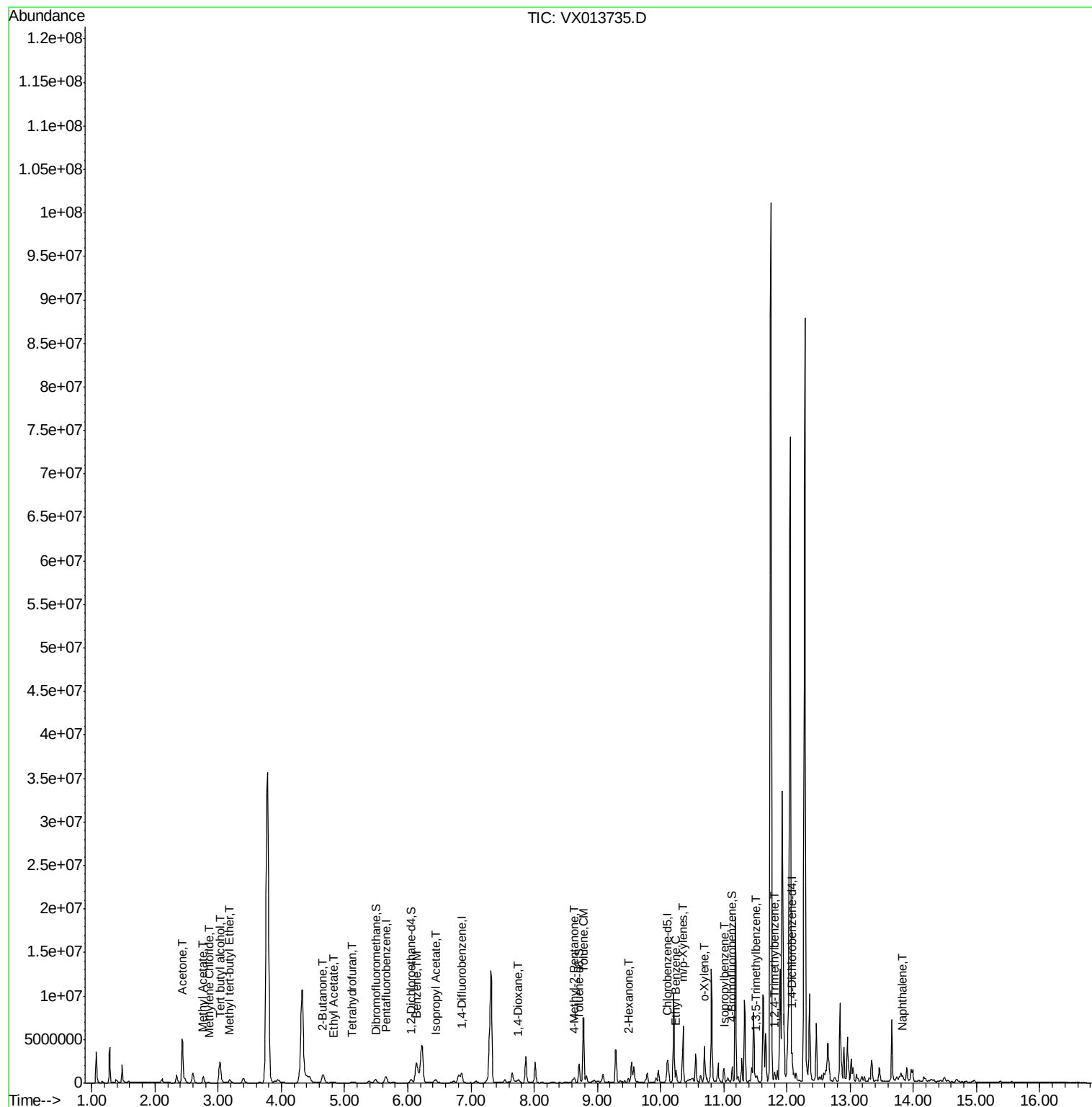
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
Data File : VX013735.D
Acq On : 03 Dec 2019 19:18
Operator : JC/SP
Sample : K6084-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

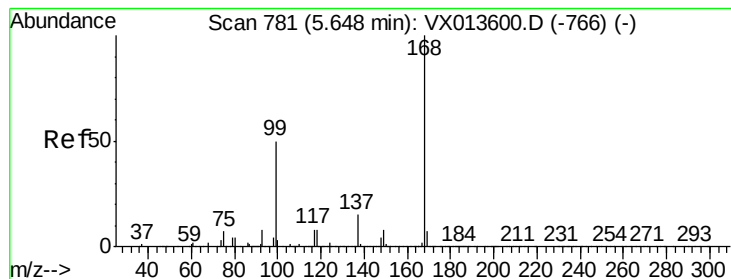
Instrument :
MSVOA_X
ClientSampleId :
30734

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Quant Time: Dec 04 07:45:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





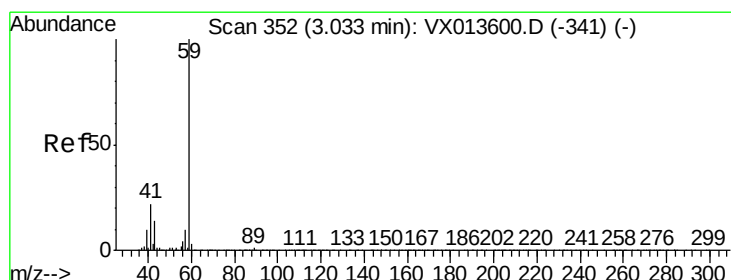
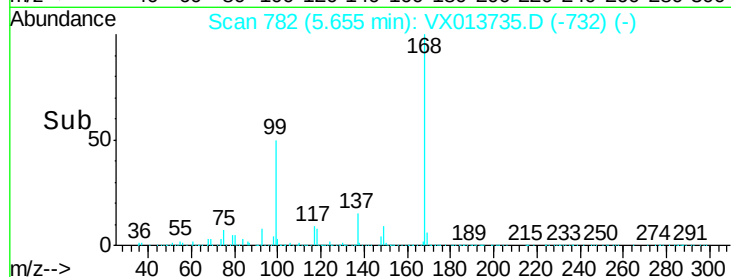
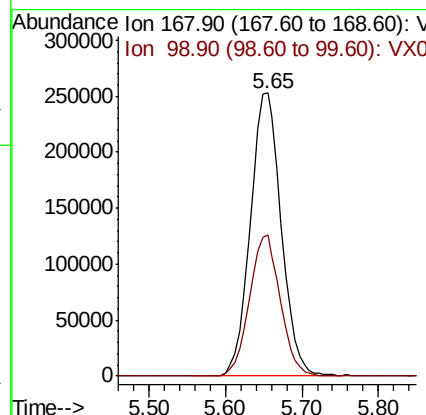
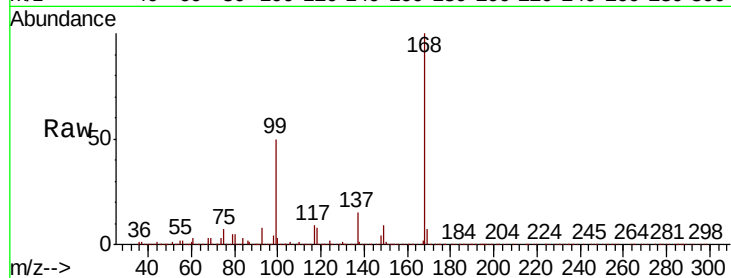
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.0	39.8	59.8

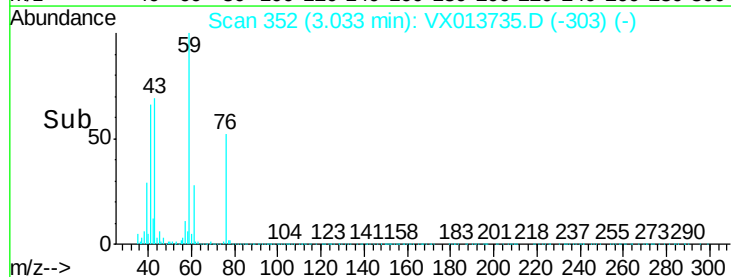
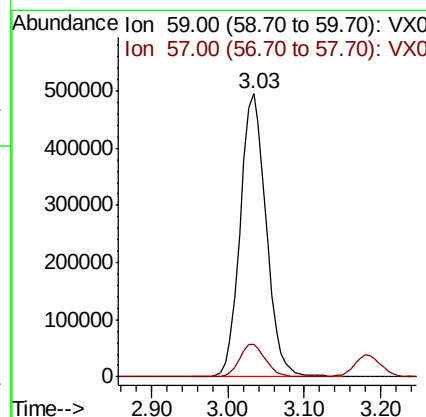
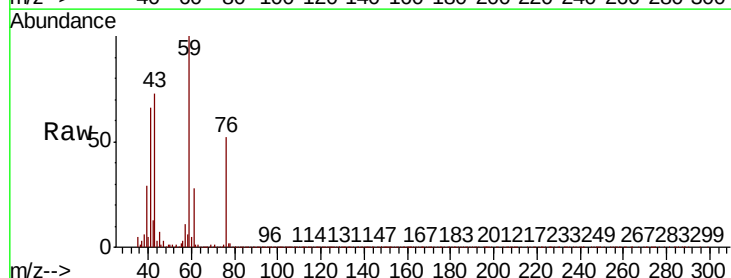
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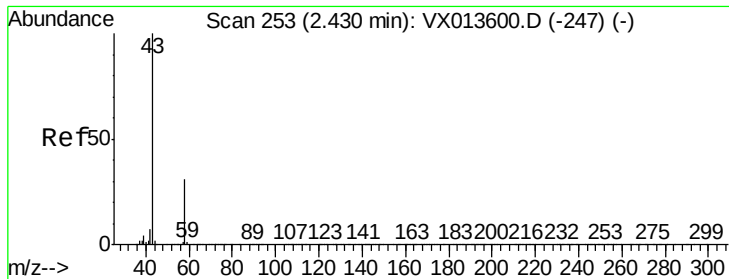
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#11
Tert butyl alcohol
Concen: 572.300 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.4	7.8	11.6





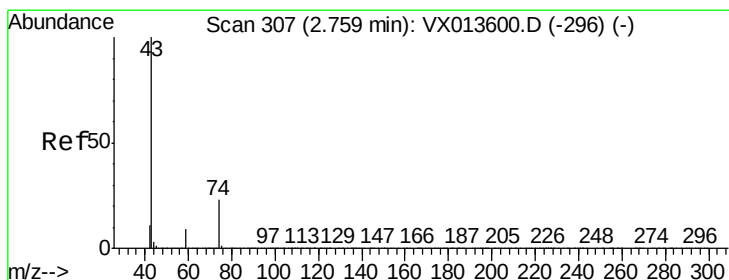
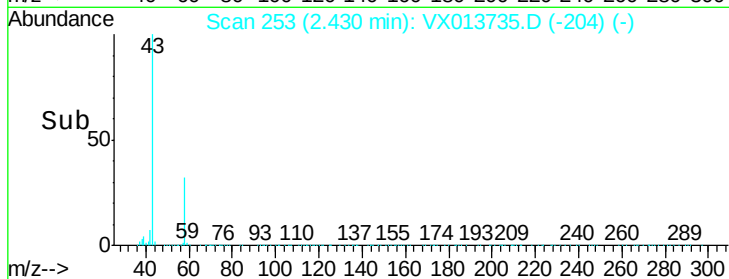
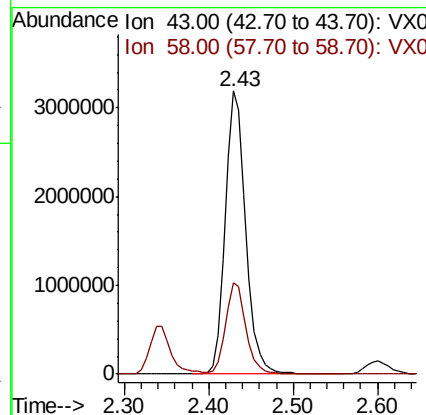
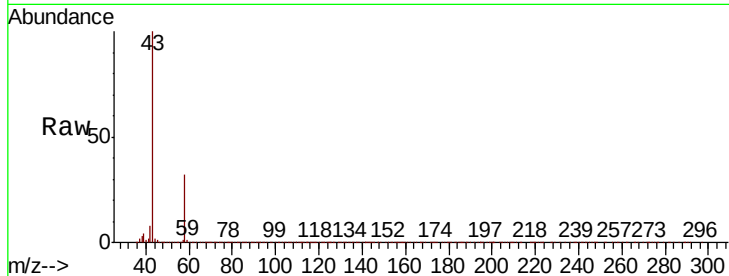
#16
Acetone
Concen: 1304.491 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
30734

Tot Ion: 43 Resp: 5312932
Ion Ratio Lower Upper
43 100
58 32.1 24.6 36.8

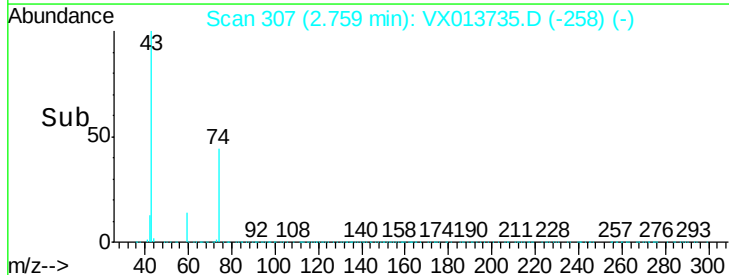
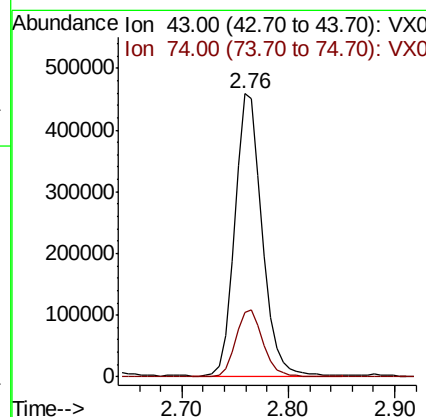
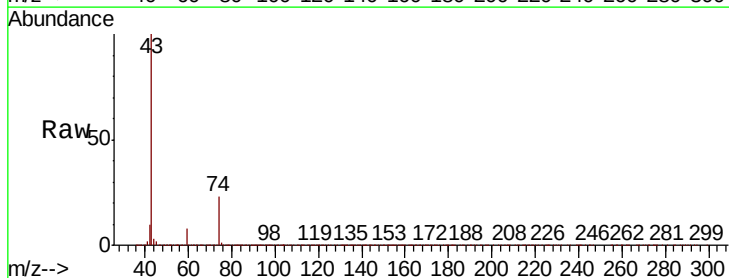
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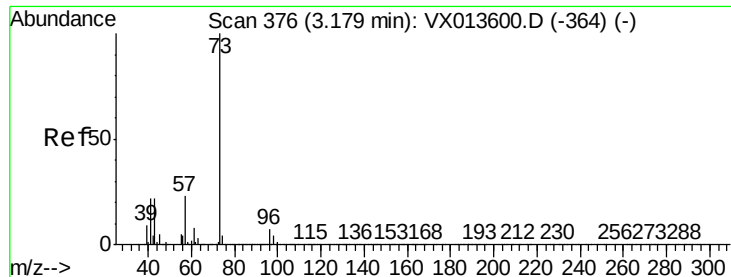
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#18
Methyl Acetate
Concen: 72.132 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 43 Resp: 818064
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3





#19

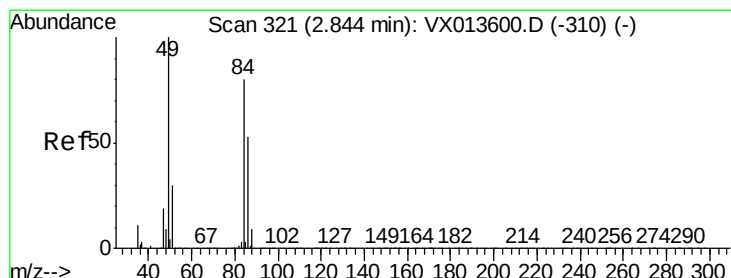
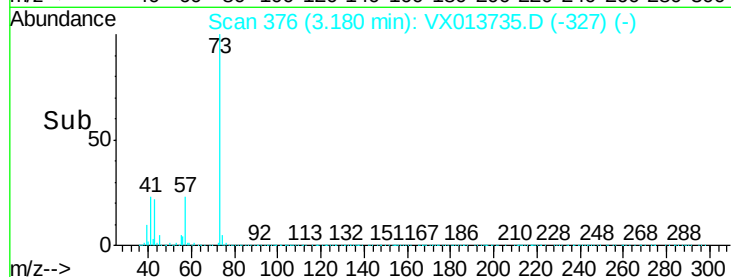
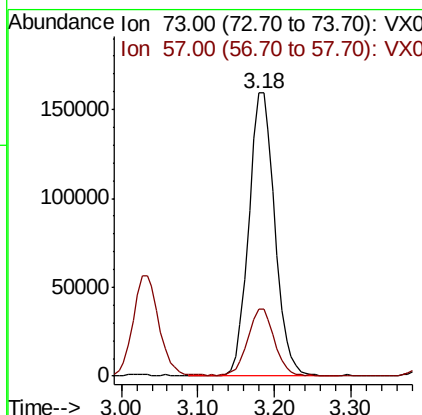
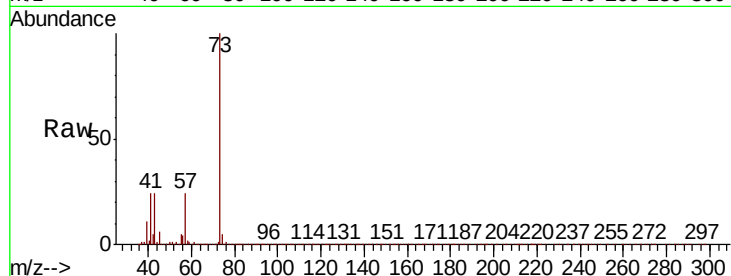
Methyl tert-butyl Ether
 Concen: 16.897 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 30734

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.3	27.5

Manual Integrations
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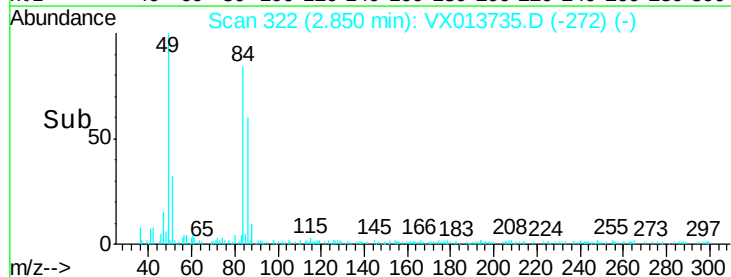
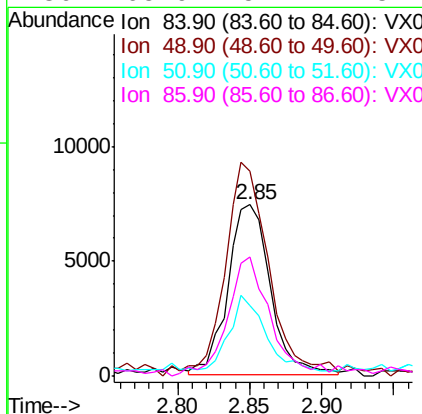
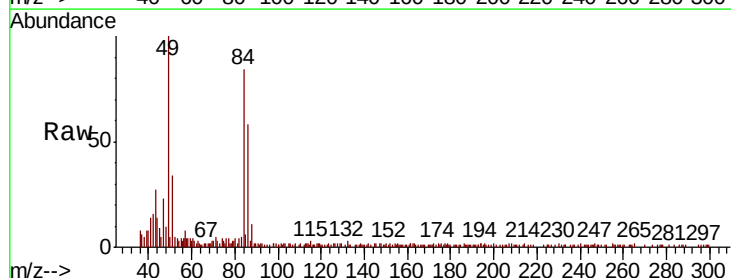
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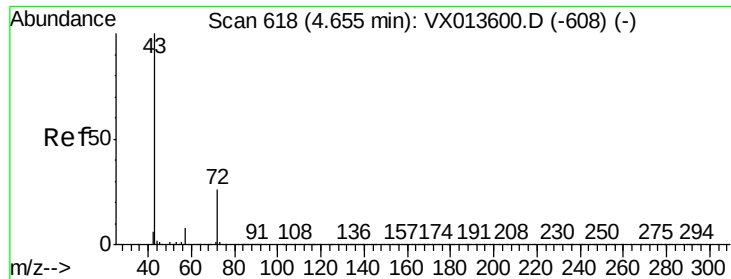


#20

Methylene Chloride
 Concen: 1.949 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	99.7	149.5
51	39.0	29.9	44.9
86	65.9	52.2	78.4





#25

2-Butanone

Concen: 263.749 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

Tot Ion: 43 Resp: 1596458

Ion Ratio Lower Upper

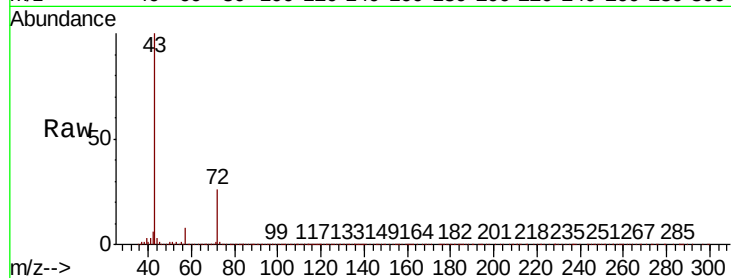
43 100

72 26.0 20.6 31.0

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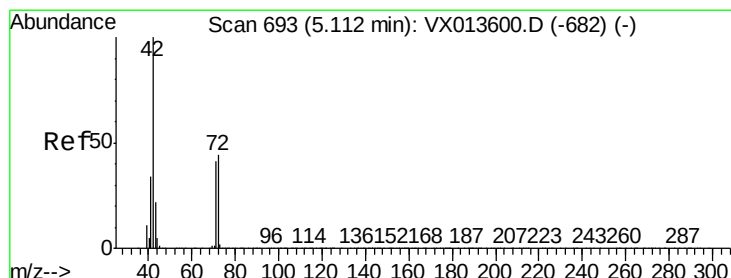
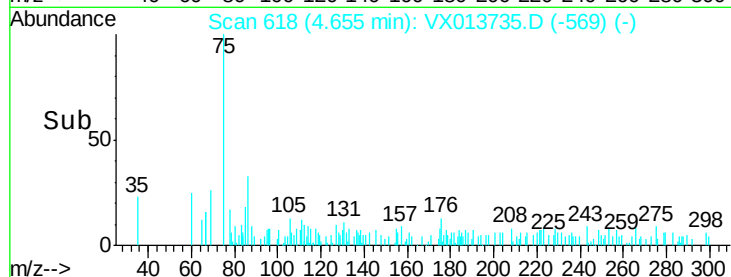
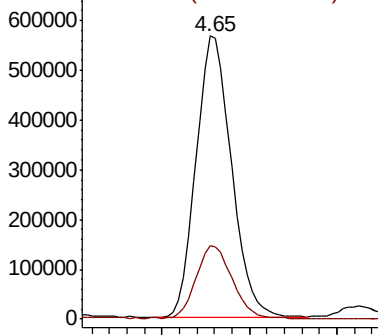
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 24.383 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

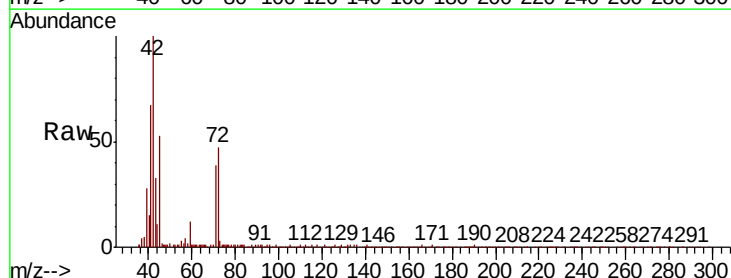
Tgt Ion: 42 Resp: 90984

Ion Ratio Lower Upper

42 100

72 45.7 36.3 54.5

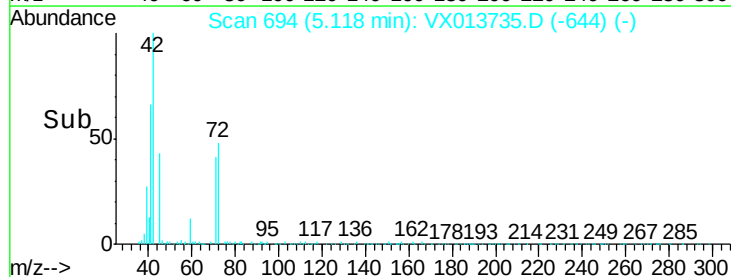
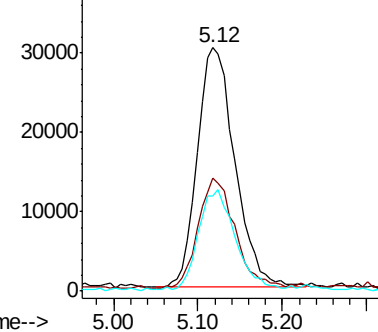
71 41.5 33.2 49.8

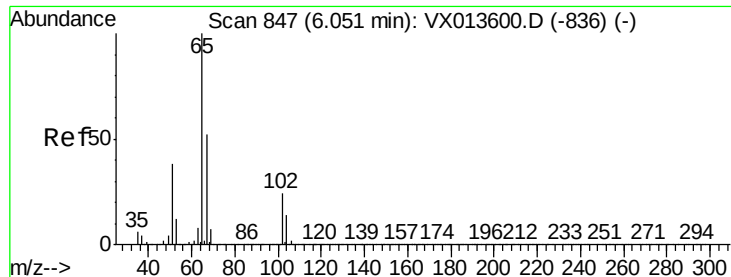


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





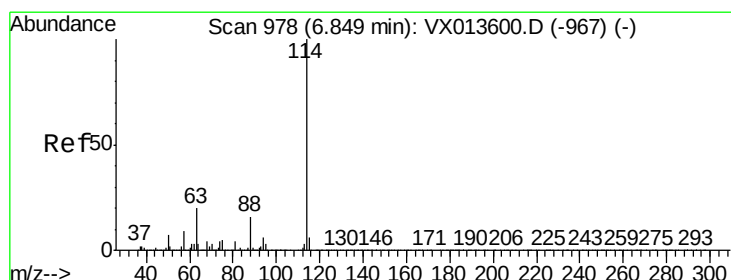
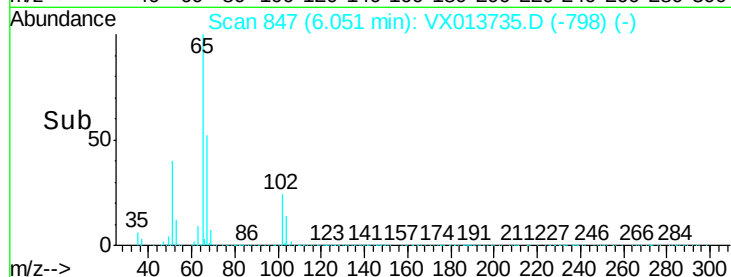
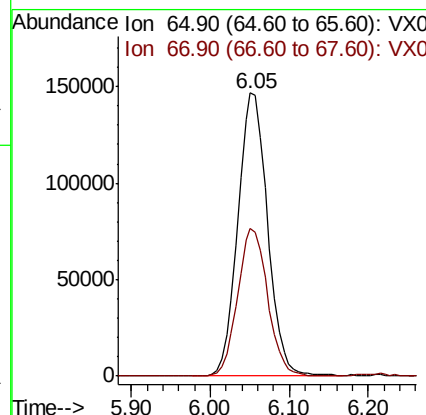
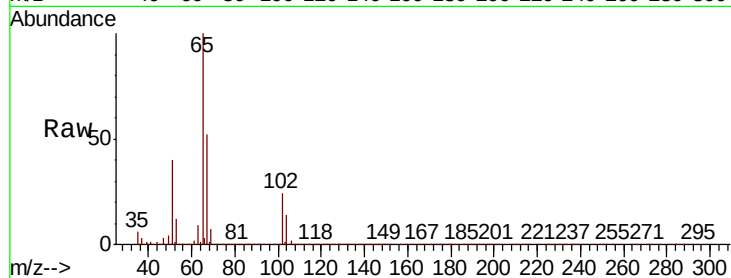
#33
 1,2-Dichloroethane-d4
 Concen: 46.427 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 30734

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4

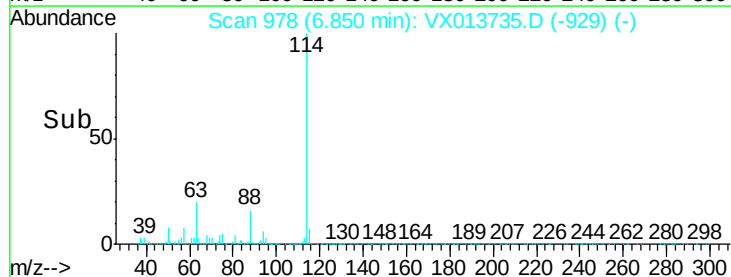
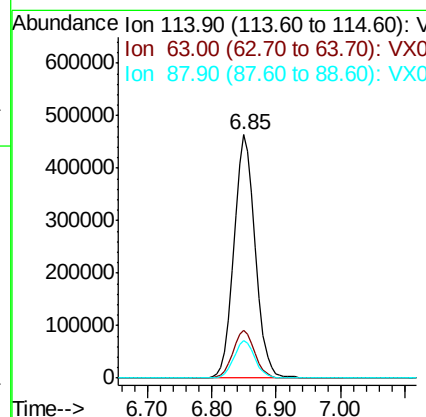
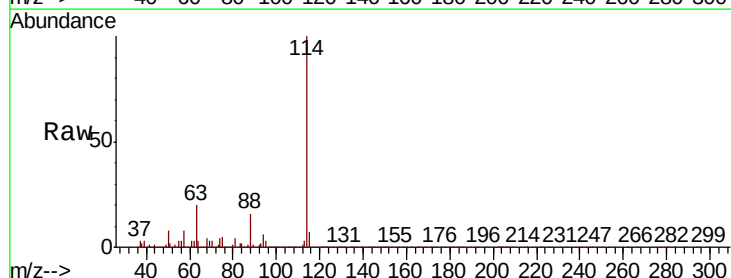
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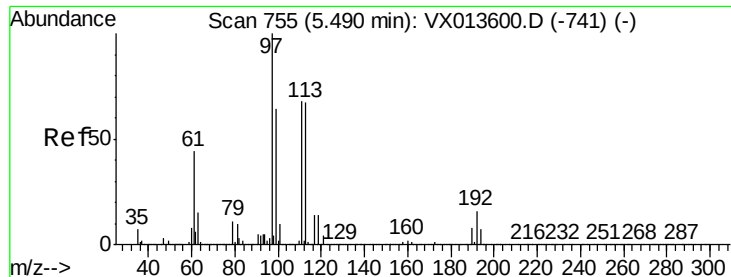
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.6	0.0	31.4





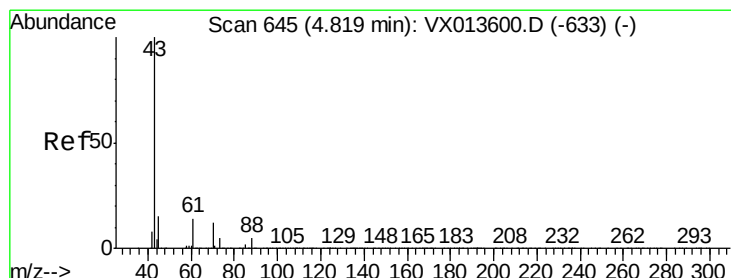
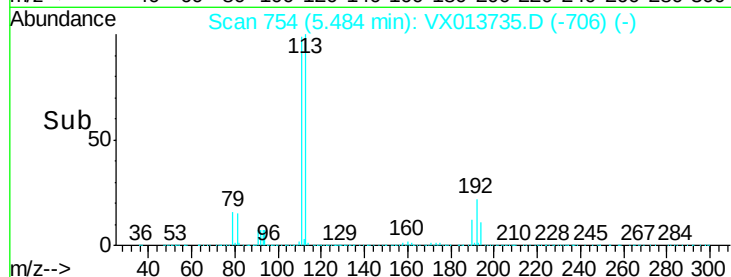
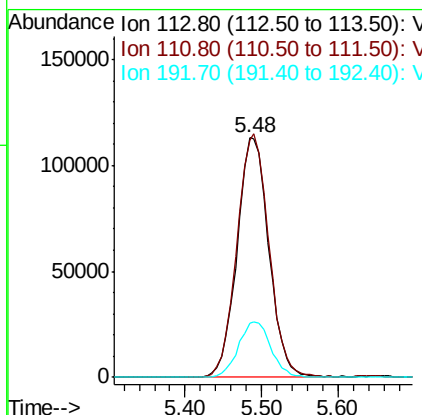
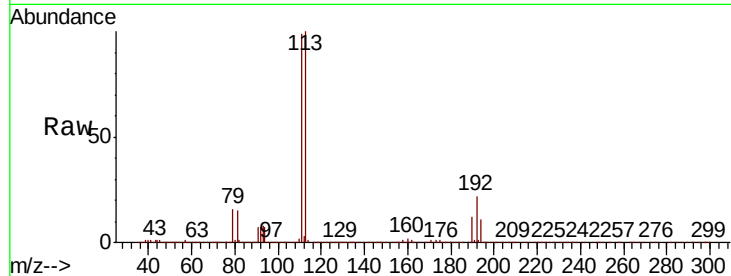
#35
Dibromofluoromethane
Concen: 48.647 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
30734

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.6	125.4
192	23.6	19.2	28.8

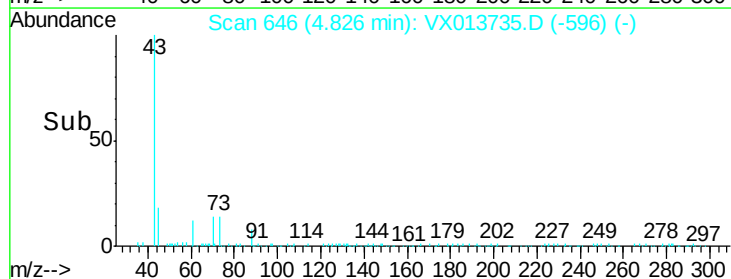
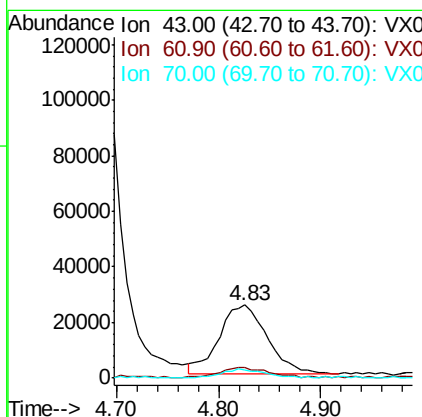
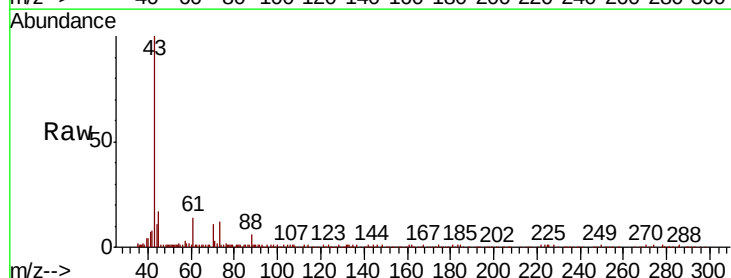
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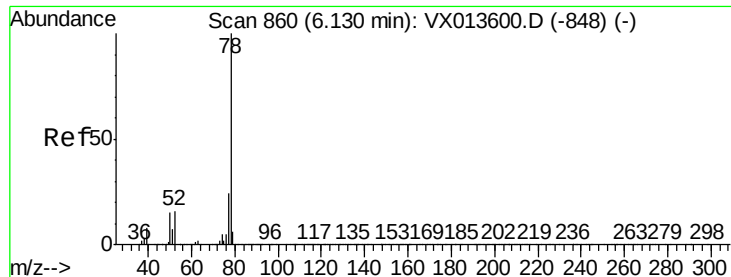
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#37
Ethyl Acetate
Concen: 7.362 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	10.9	8.6	12.8





#40

Benzene

Concen: 89.861 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

Tot Ion: 78 Resp: 2677449

Ion Ratio Lower Upper

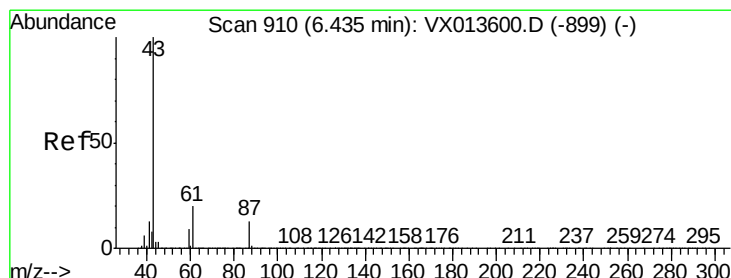
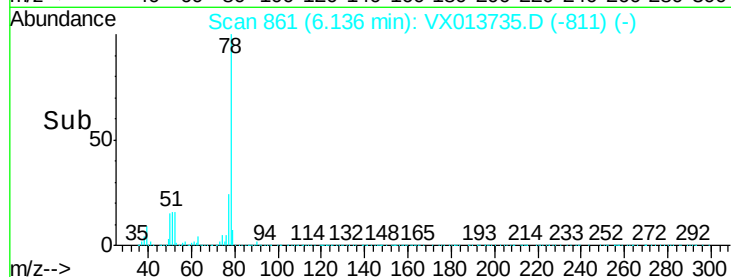
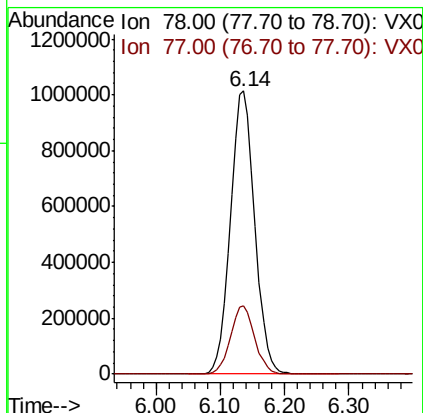
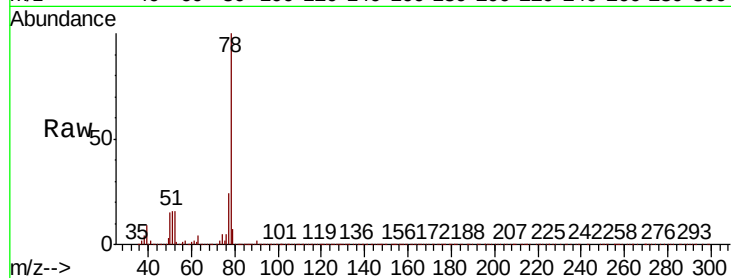
78 100

77 23.9 19.0 28.4

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#43

Isopropyl Acetate

Concen: 15.729 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

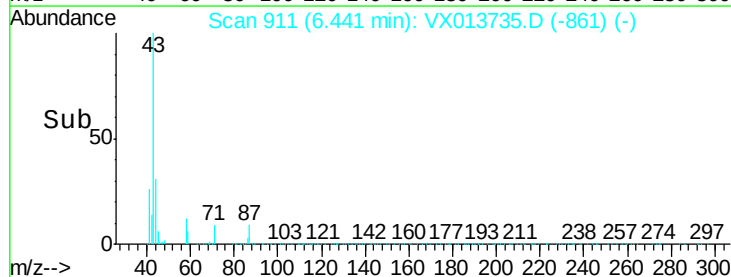
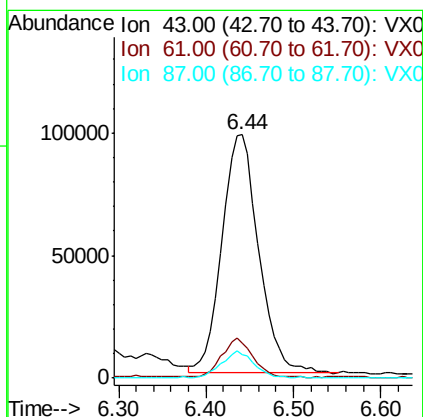
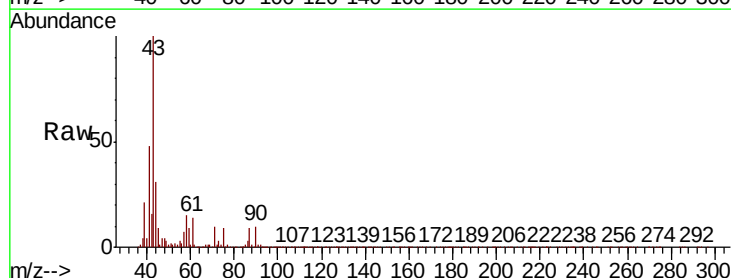
Tgt Ion: 43 Resp: 284190

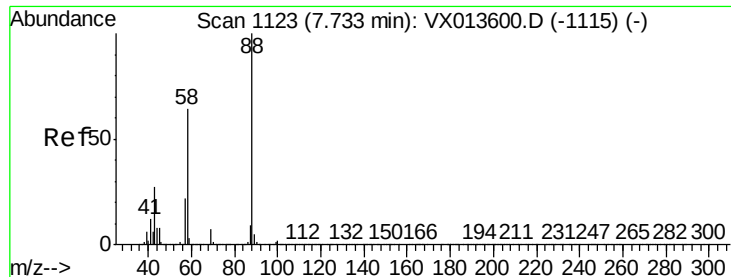
Ion Ratio Lower Upper

43 100

61 13.8 16.3 24.5#

87 10.0 10.8 16.2#





#49

1,4-Dioxane

Concen: 460.509 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

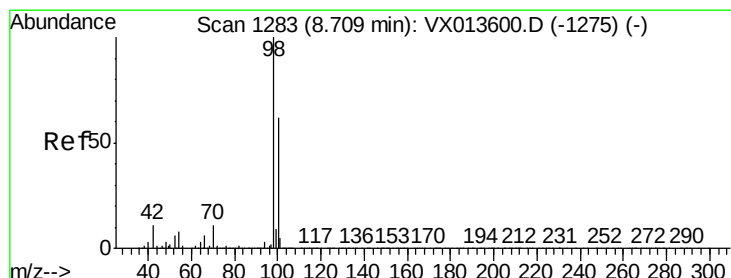
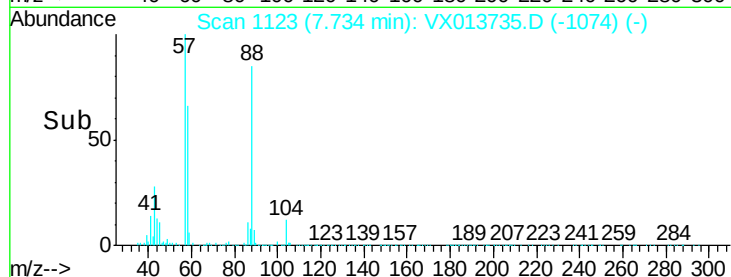
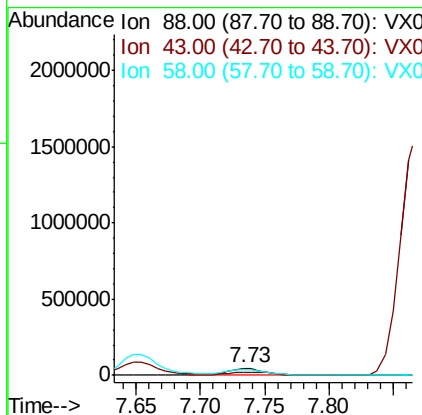
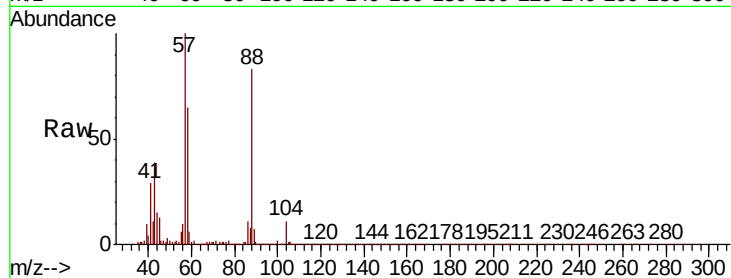
ClientSampleId :

30734

Tot Ion:	88	Resp:	90492
Ion Ratio	Lower	Upper	
88	100		
43	0.0	25.8	38.6#
58	90.6	54.6	82.0#

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#50

Toluene-d8

Concen: 49.517 ug/l

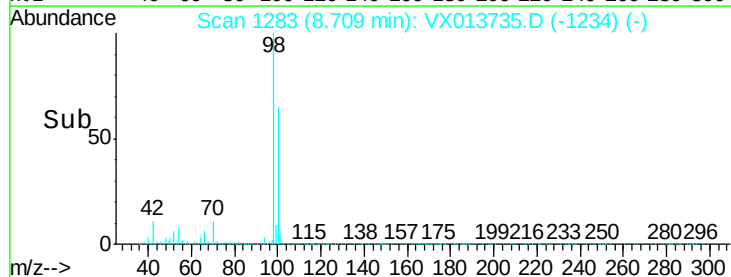
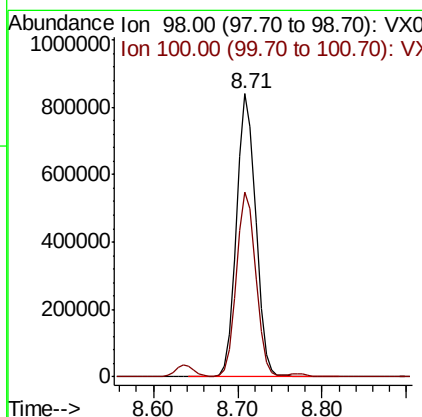
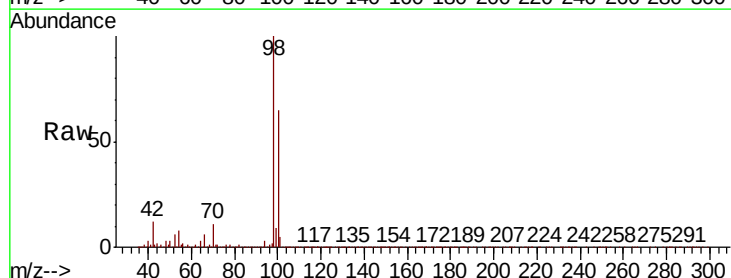
RT: 8.71 min Scan# 1283

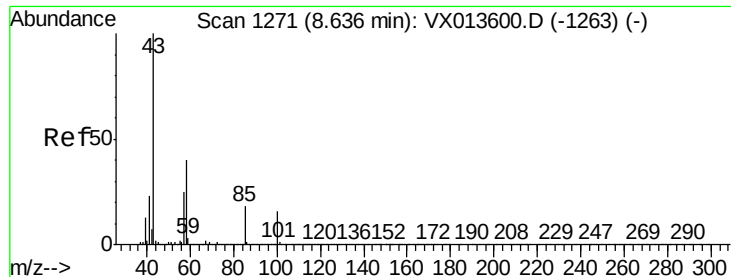
Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Tgt Ion:	98	Resp:	1285360
Ion Ratio	Lower	Upper	
98	100		
100	65.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 29.943 ug/l m

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

Tot Ion: 43 Resp: 340309

Ion Ratio Lower Upper

43 100

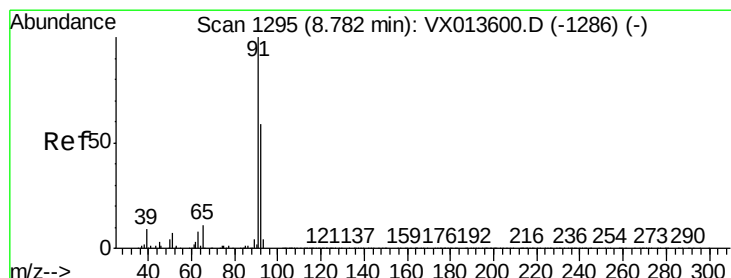
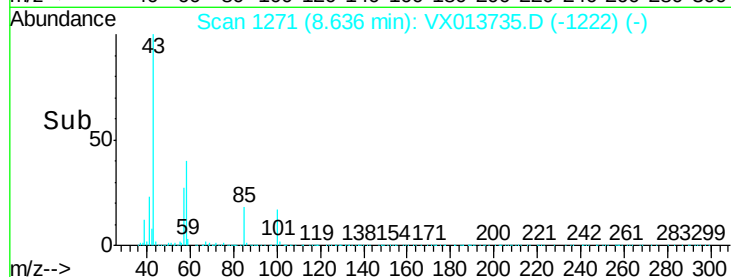
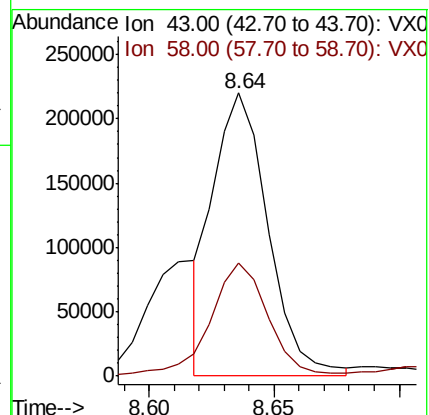
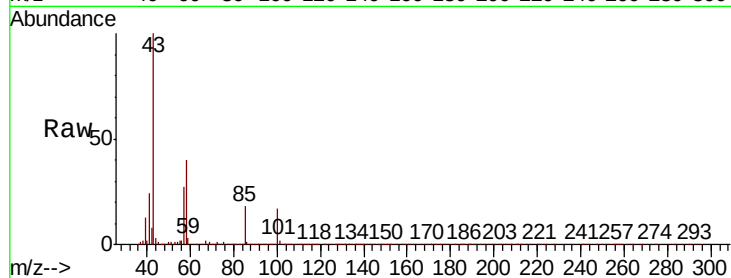
58 41.1 32.1 48.1

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#52

Toluene

Concen: 156.163 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013735.D

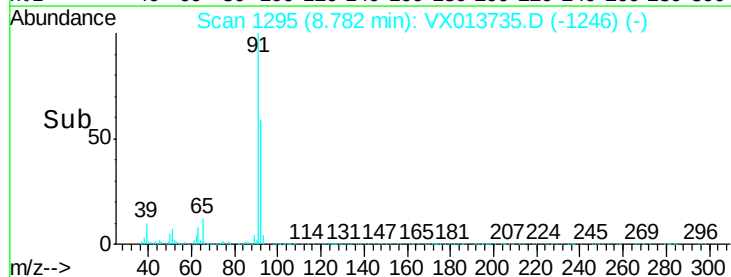
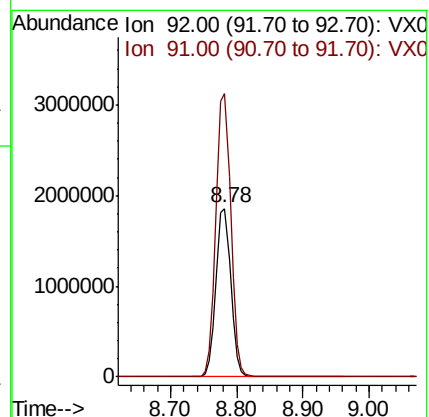
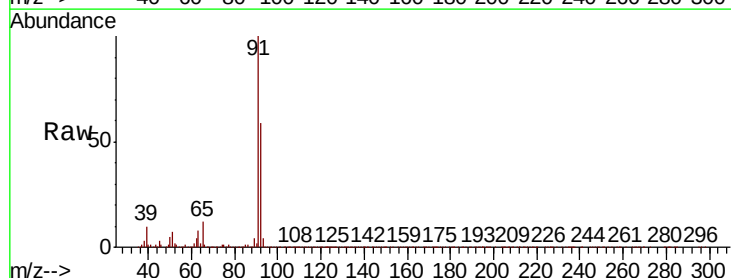
Acq: 03 Dec 2019 19:18

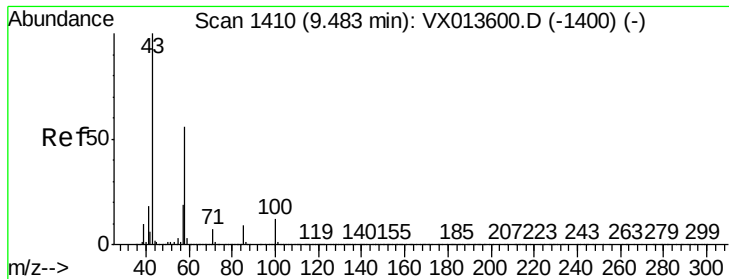
Tgt Ion: 92 Resp: 2890580

Ion Ratio Lower Upper

92 100

91 169.2 136.2 204.2





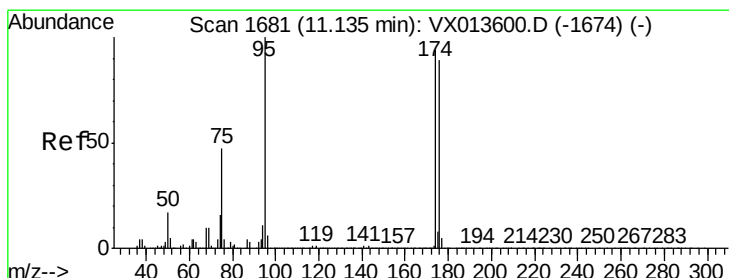
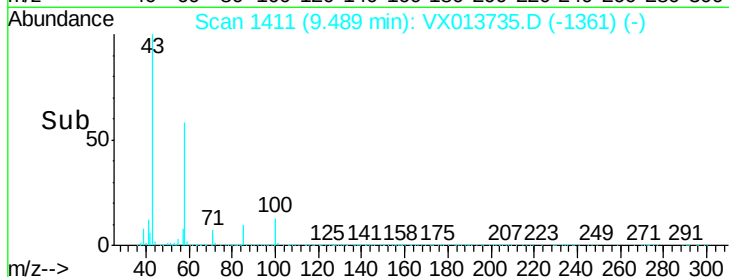
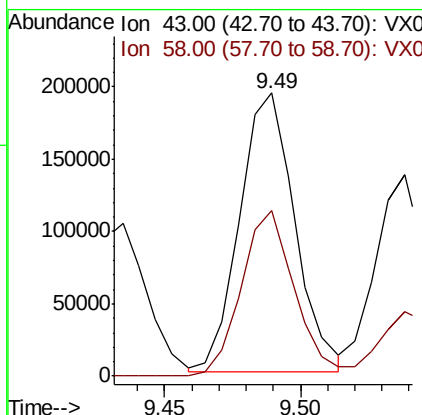
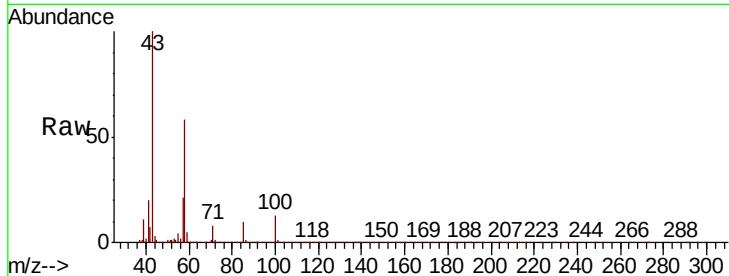
#59
2-Hexanone
Concen: 30.689 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion: 43 Resp: 272027
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.4

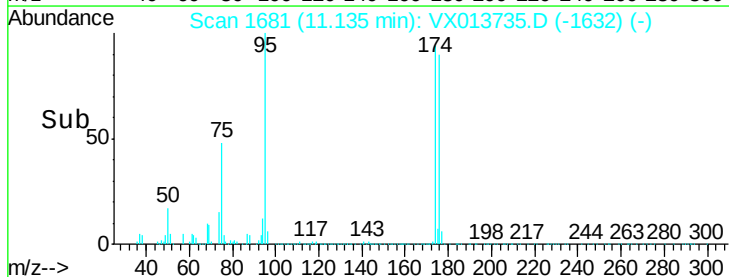
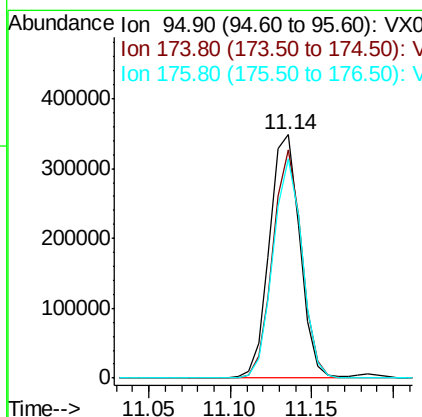
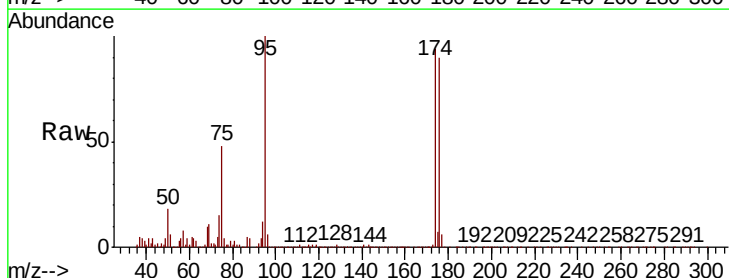
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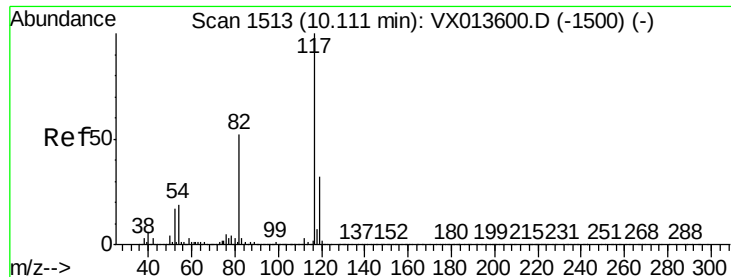
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#62
4-Bromofluorobenzene
Concen: 48.007 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 95 Resp: 449367
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.0
176 86.9 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

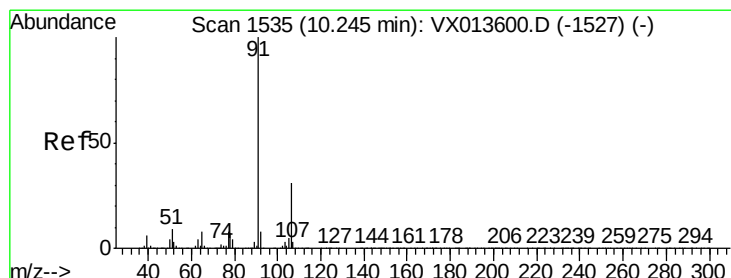
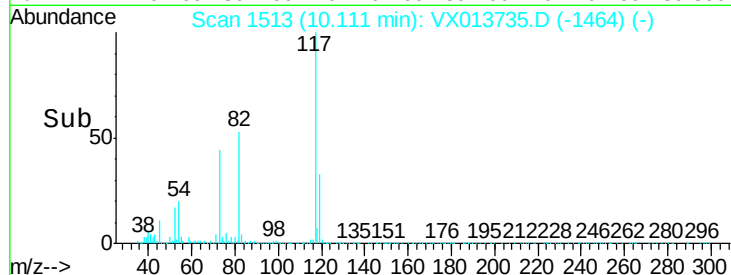
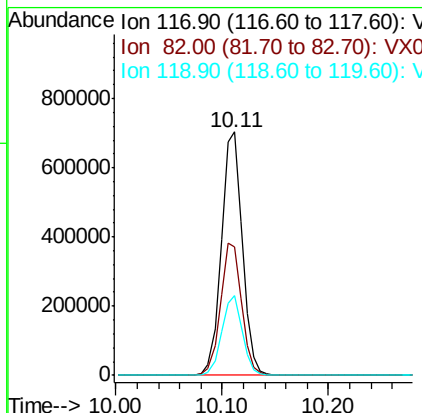
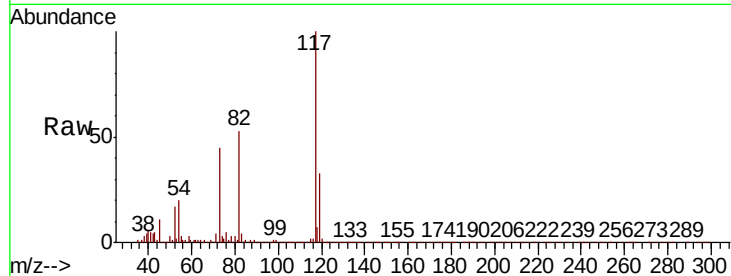
ClientSampleId :

30734

Tot Ion:	117	Resp:	965890
Ion Ratio	Lower	Upper	
117	100		
82	52.8	41.8	62.8
119	32.6	25.8	38.8

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#67

Ethyl Benzene

Concen: 21.716 ug/l

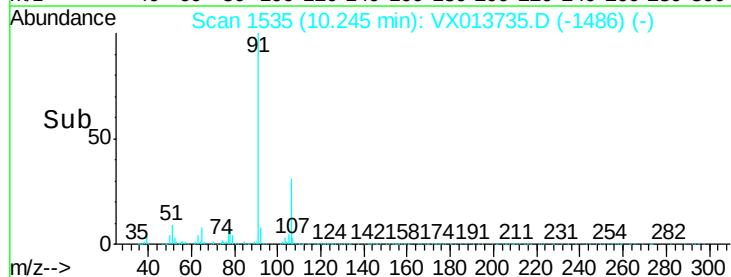
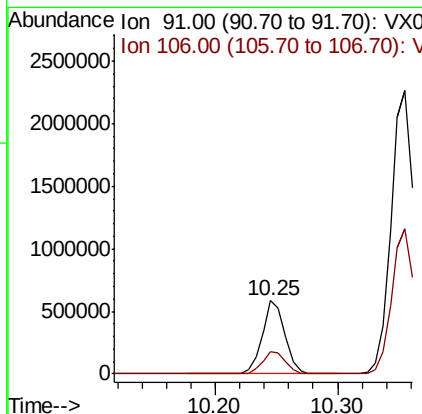
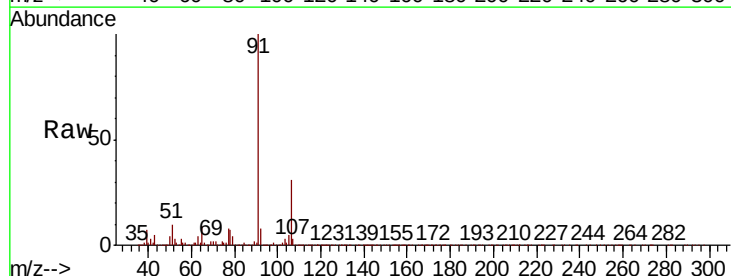
RT: 10.25 min Scan# 1535

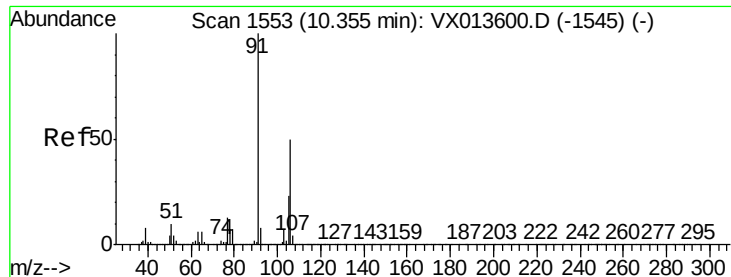
Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Tgt Ion:	91	Resp:	748327
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.5	36.7





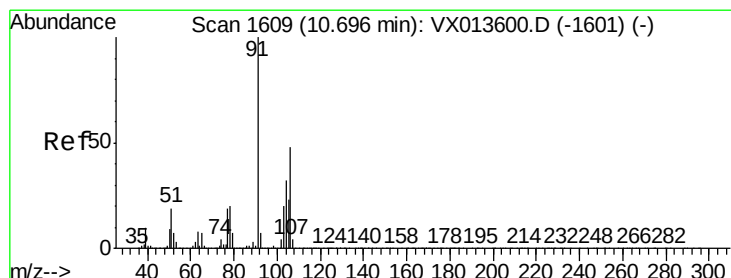
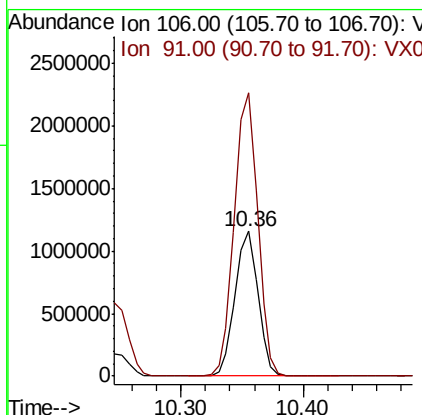
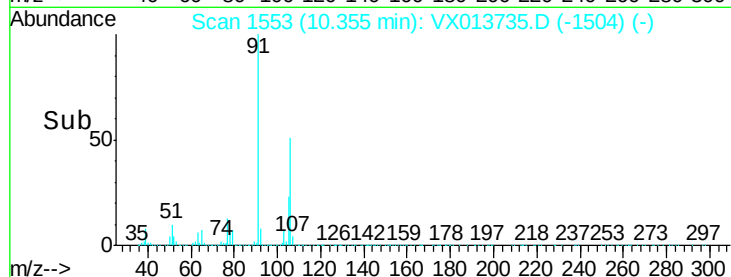
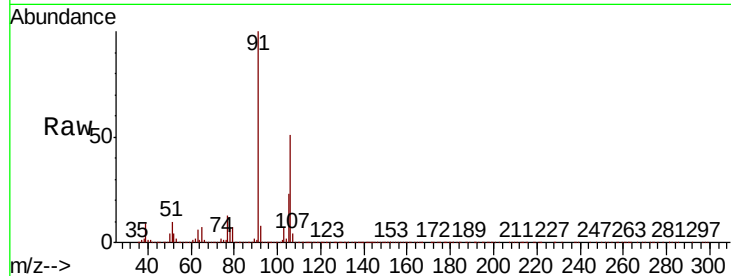
#68
m/p-Xylenes
Concen: 113.963 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion:106 Resp: 1503556
Ion Ratio Lower Upper
106 100
91 199.3 159.0 238.4

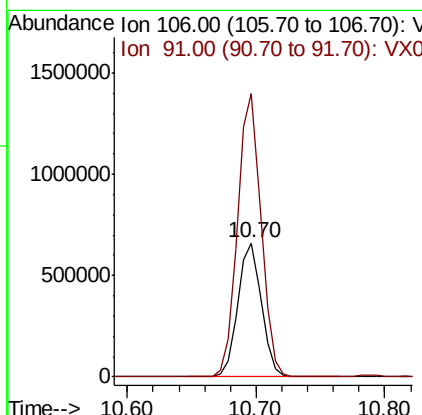
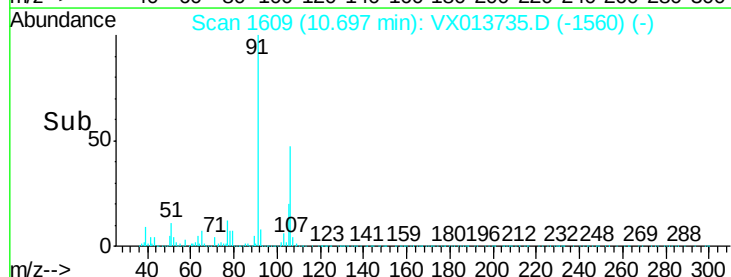
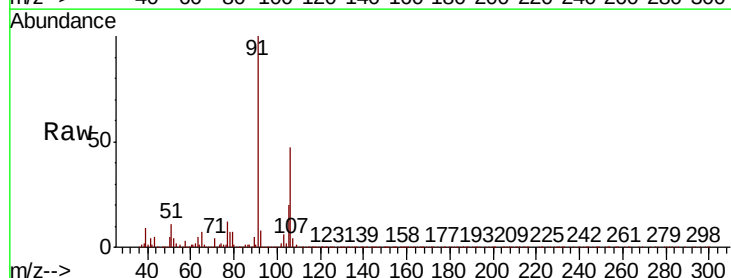
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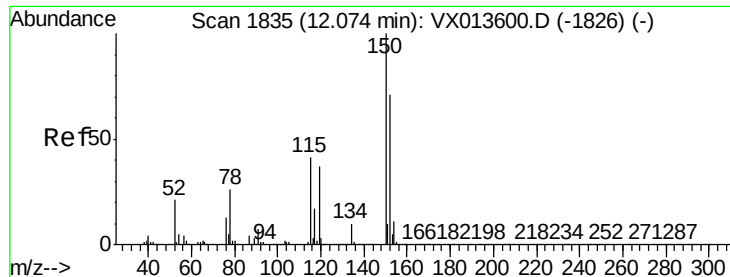
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#69
o-Xylene
Concen: 65.175 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion:106 Resp: 838628
Ion Ratio Lower Upper
106 100
91 210.8 104.1 312.2





#72

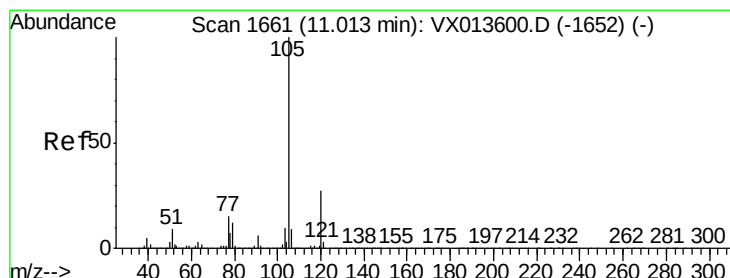
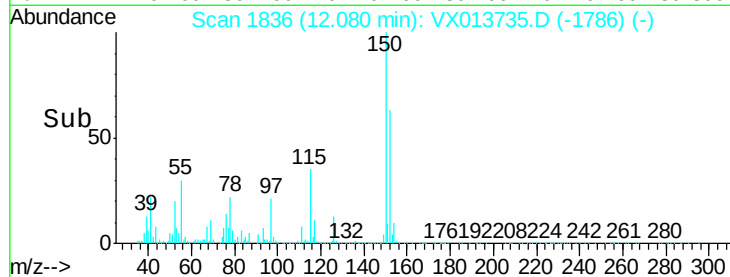
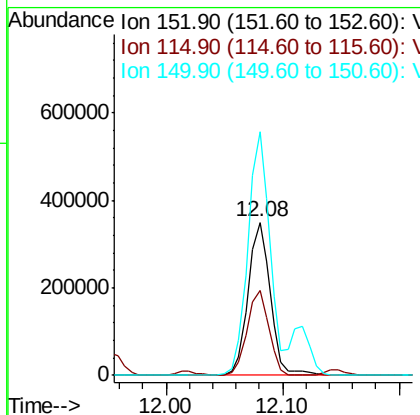
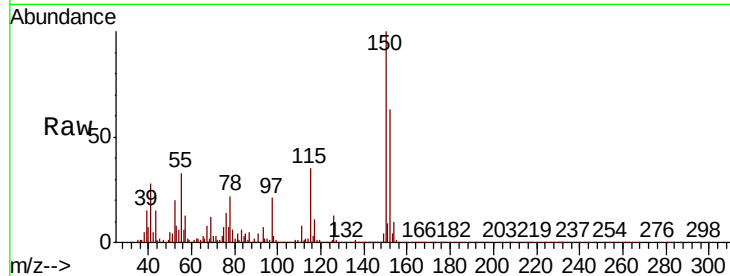
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion	Ratio	Resp	Lower	Upper
152	100	466964		
115	54.0	38.4	115.1	
150	160.1	0.0	346.8	

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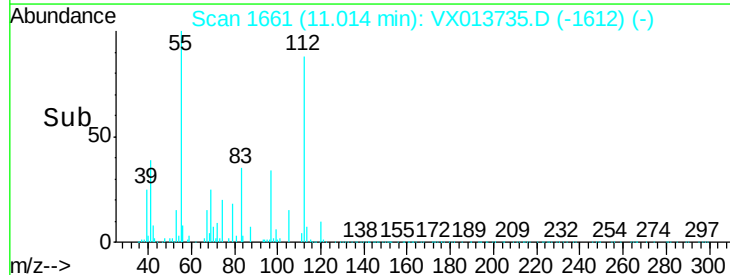
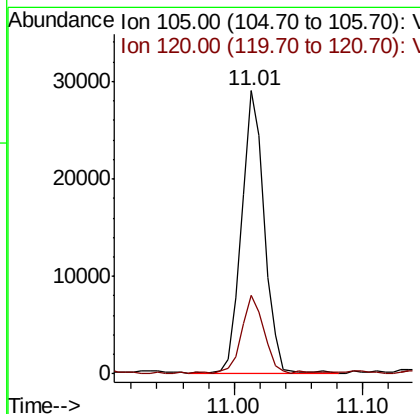
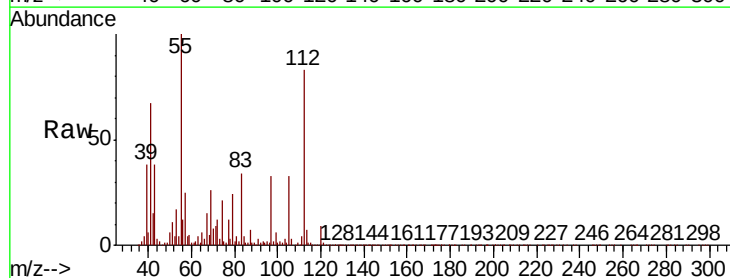
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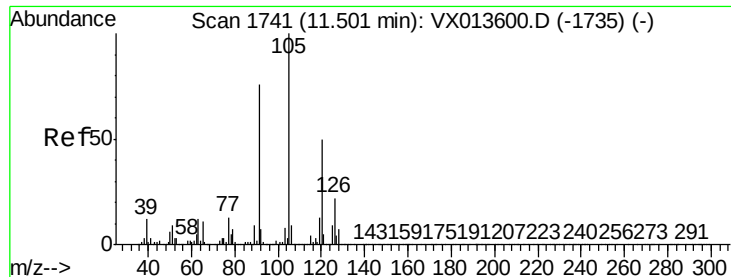


#73

Isopropylbenzene
Concen: 1.091 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	35734		
120	26.0	13.5	40.5	





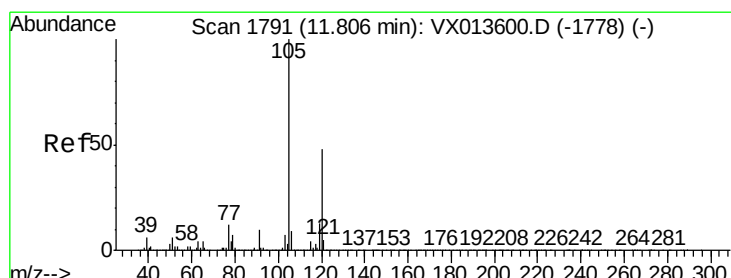
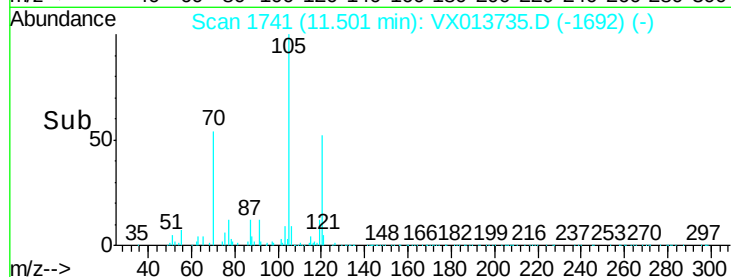
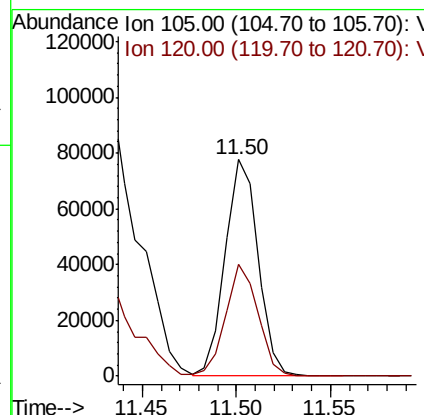
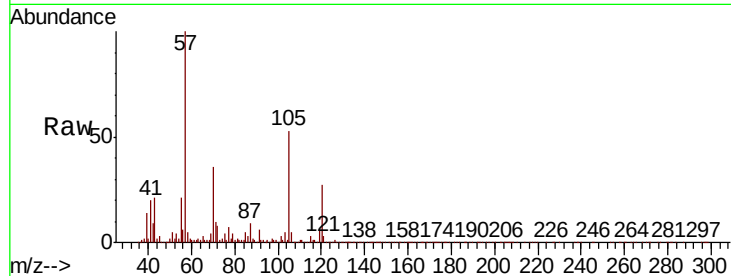
#80
 1,3,5-Trimethylbenzene
 Concen: 3.508 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Instrument :
 MSVOA_X
 ClientSampled :
 30734

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.3	75.9

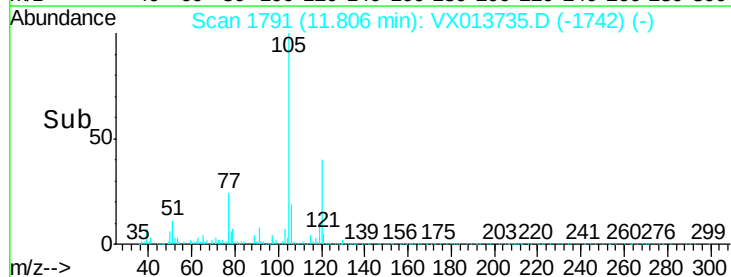
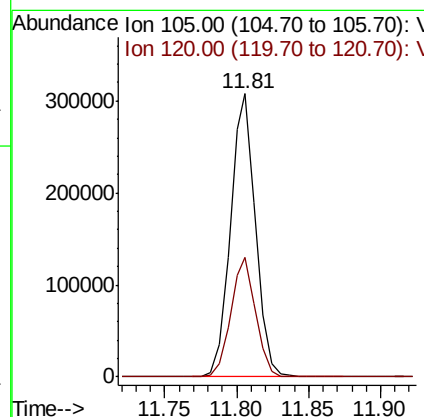
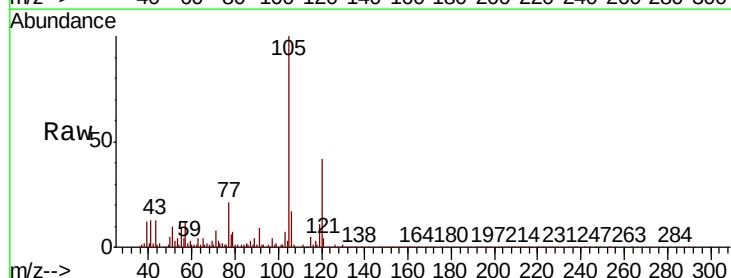
Manual Integrations
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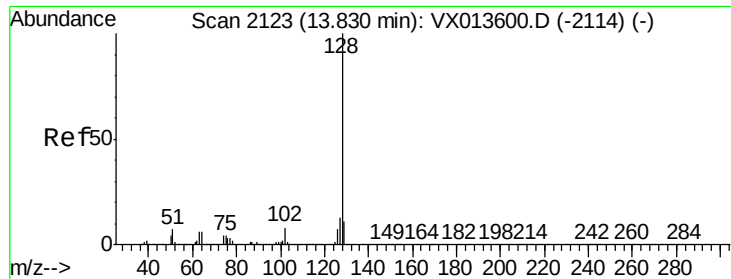
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#84
 1,2,4-Trimethylbenzene
 Concen: 13.769 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	23.1	69.3





#95
Naphthalene
Concen: 10.711 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
30734

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.2	10.3	15.5
129	15.4	8.7	13.1

Manual Integrations
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