

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013686.D
 Acq On : 28 Nov 2019 05:28
 Operator : JC/SP
 Sample : K5965-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0187

Manual Integrations
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 12/2/2019 3:17:49 PM

Quant Time: Dec 02 07:41:26 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	695062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1089032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	976499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	459423	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	384884	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.49	113	316440	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	1277973	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.14	95	455340	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	30217	3.093	ug/l	99
16) Acetone	2.43	43	8554	2.147	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	14157	1.965	ug/l	85
27) cis-1,2-Dichloroethene	4.59	96	2436716	294.455	ug/l	89
31) Cyclohexane	5.57	56	269452	22.609	ug/l	100
39) Methylcyclohexane	7.46	83	575403	47.088	ug/l	100
40) Benzene	6.14	78	228930	7.603	ug/l	96
44) Trichloroethene	7.21	130	5022	0.608	ug/l	69
52) Toluene	8.78	92	10171	0.544	ug/l	99
64) Tetrachloroethene	9.33	164	5330	0.732	ug/l #	88
65) Chlorobenzene	10.13	112	13862	0.684	ug/l	92
67) Ethyl Benzene	10.25	91	1233603	35.409	ug/l	100
68) m/p-Xylenes	10.35	106	944100	70.782	ug/l	100
69) o-Xylene	10.70	106	117041	8.997	ug/l	100
73) Isopropylbenzene	11.01	105	245364	7.614	ug/l	100
78) n-propylbenzene	11.35	91	199441	5.544	ug/l	100
83) tert-Butylbenzene	11.76	119	16851	0.628	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	1471193	54.882	ug/l	98
85) sec-Butylbenzene	11.94	105	56728	1.850	ug/l	81
86) p-Isopropyltoluene	12.06	119	79668	2.793	ug/l	97
89) n-Butylbenzene	12.39	91	14729m	0.605	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	9277	0.619	ug/l	98
95) Naphthalene	13.83	128	491325	15.787	ug/l	99

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

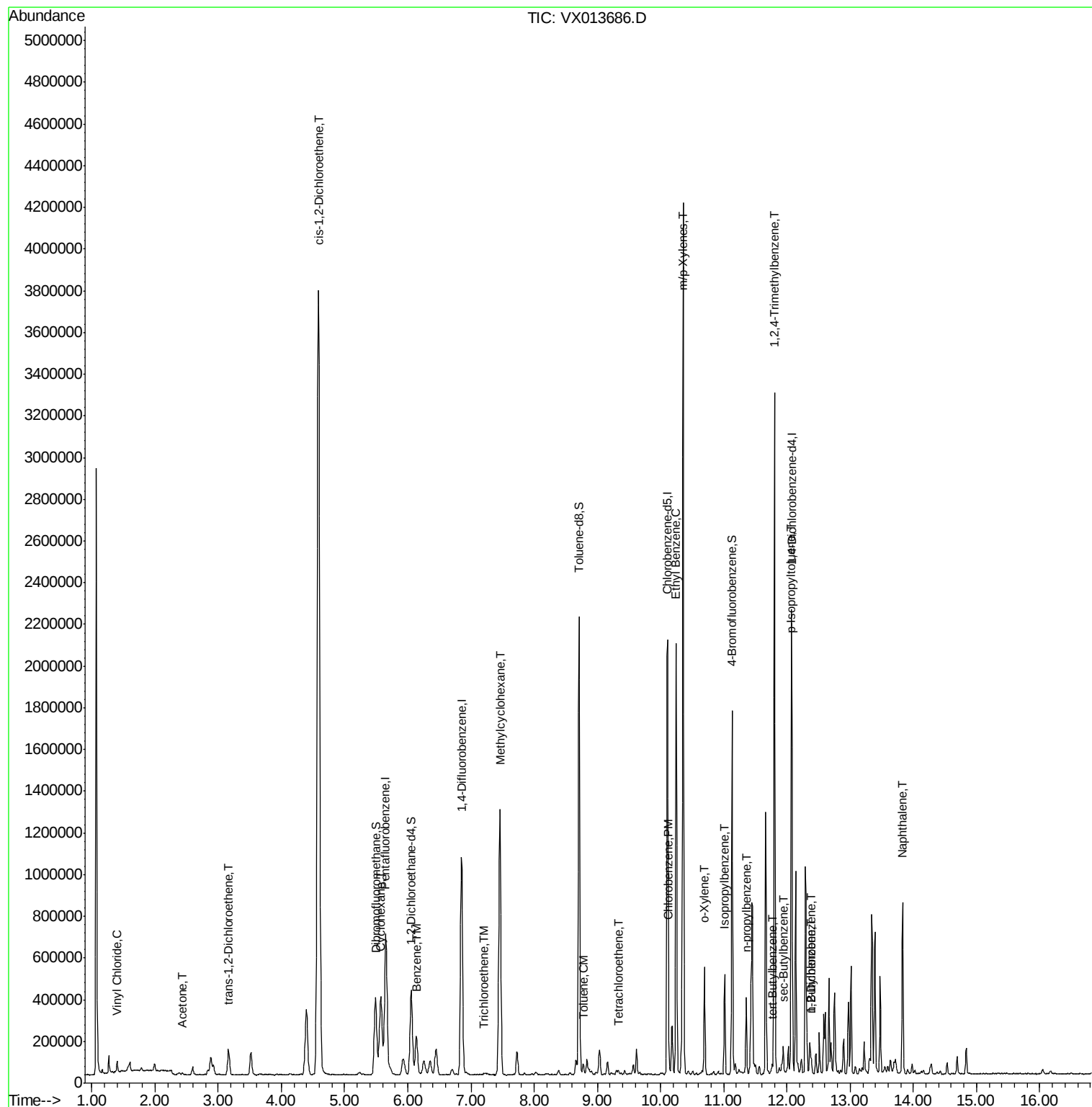
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112719\
Data File : VX013686.D
Acq On : 28 Nov 2019 05:28
Operator : JC/SP
Sample : K5965-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

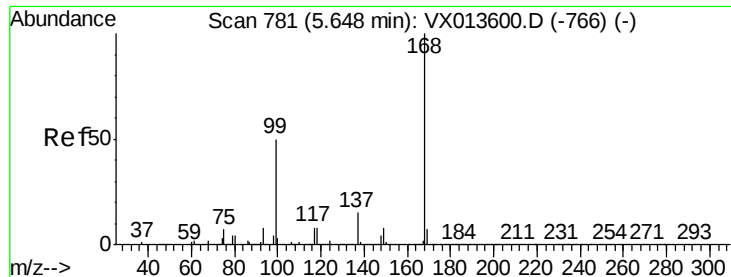
Instrument :
MSVOA_X
ClientSampleId :
S39-0187

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Quant Time: Dec 02 07:41:26 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# 781

Delta R.T. -0.00 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

ClientSampled :

S39-0187

Tot Ion:168 Resp: 695062

Ion Ratio Lower Upper

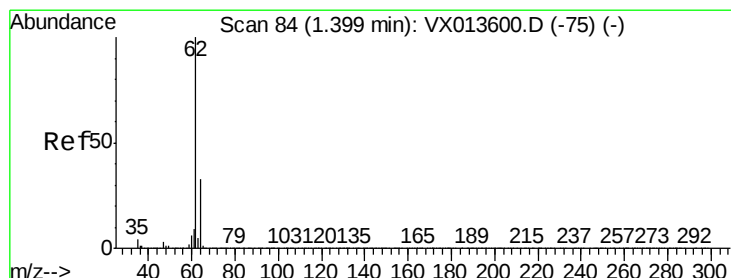
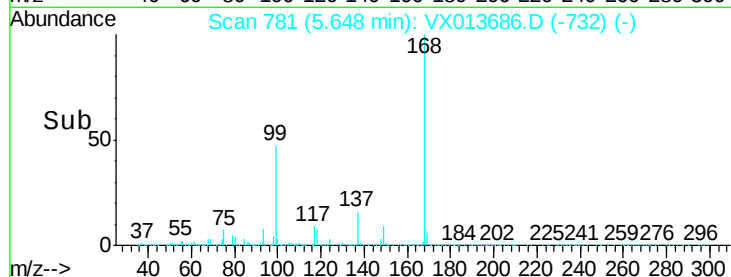
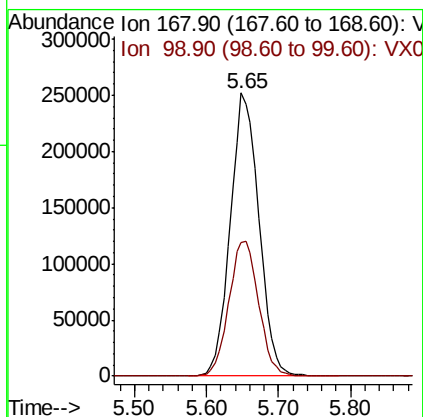
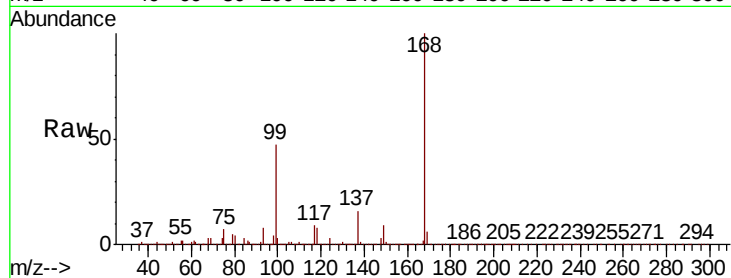
168 100

99 47.2 39.8 59.8

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#4

Vinyl Chloride

Concen: 3.093 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013686.D

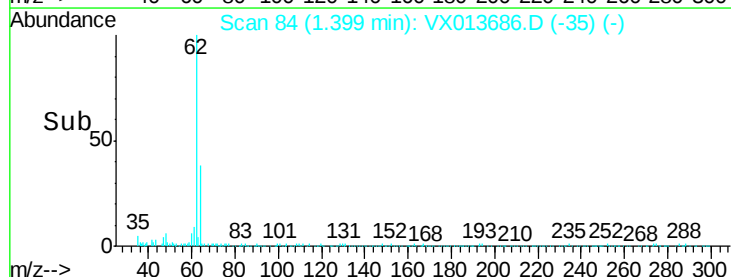
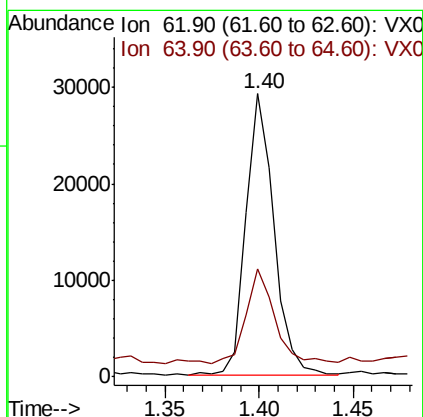
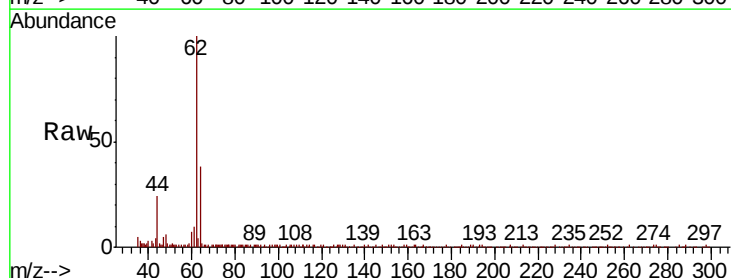
Acq: 28 Nov 2019 05:28

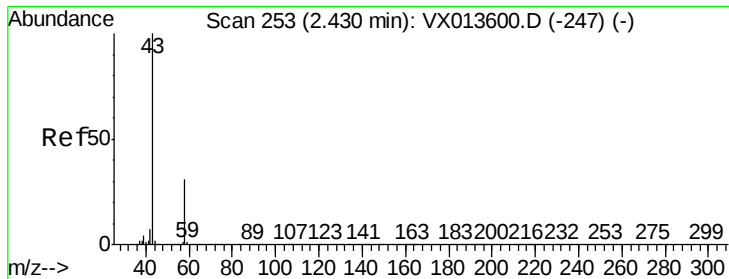
Tgt Ion: 62 Resp: 30217

Ion Ratio Lower Upper

62 100

64 33.2 26.0 39.0





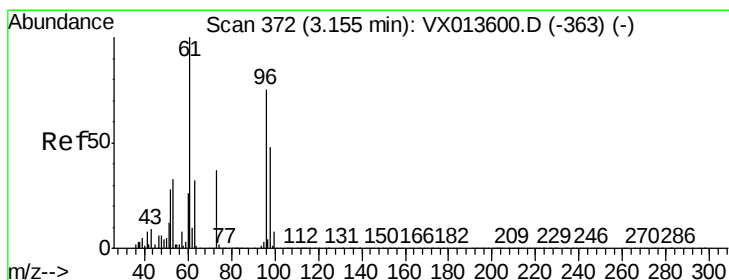
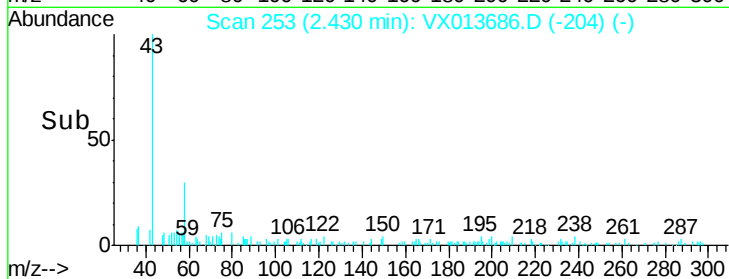
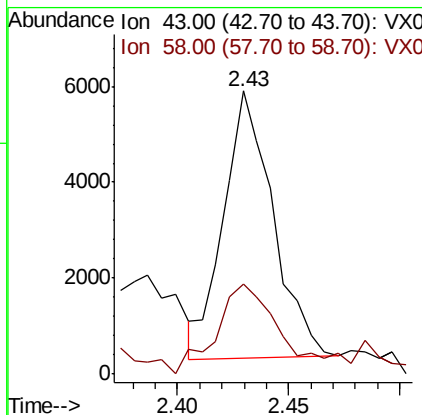
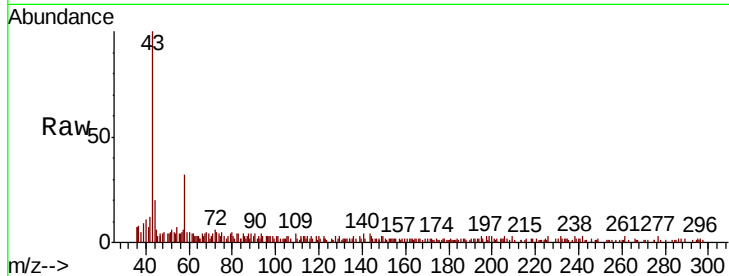
#16
Acetone
Concen: 2.147 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampleId :
S39-0187

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.5	24.6	36.8

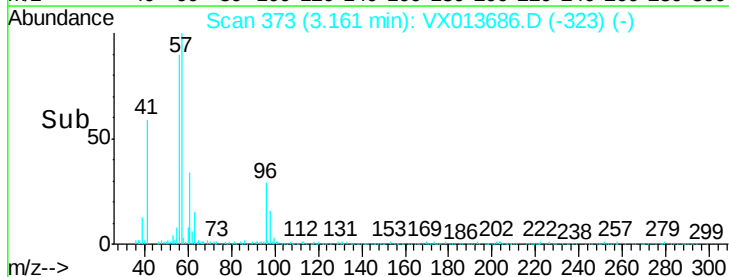
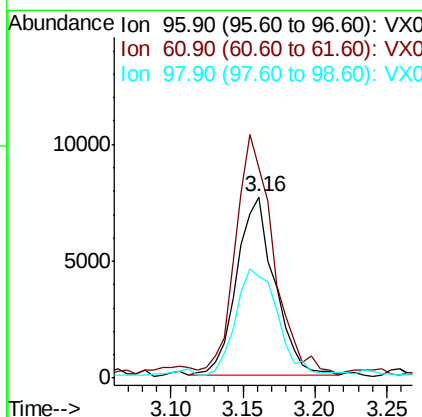
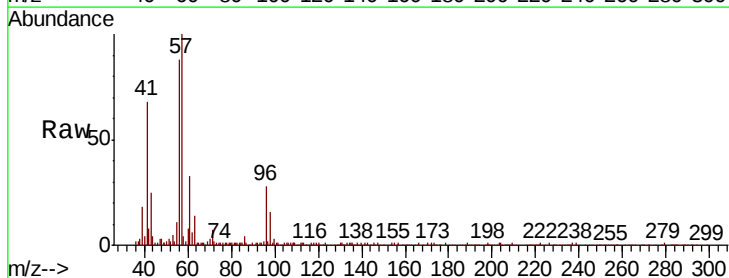
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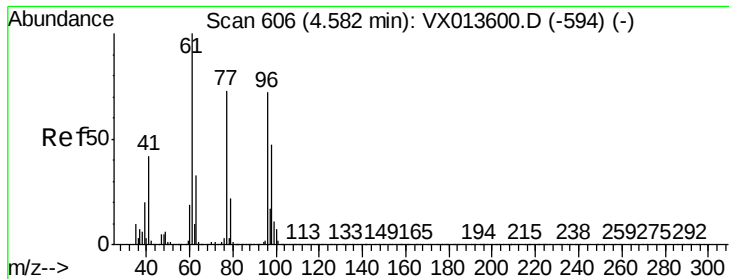
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#21
trans-1,2-Dichloroethene
Concen: 1.965 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.0	107.2	160.8
98	53.8	51.4	77.0





#27

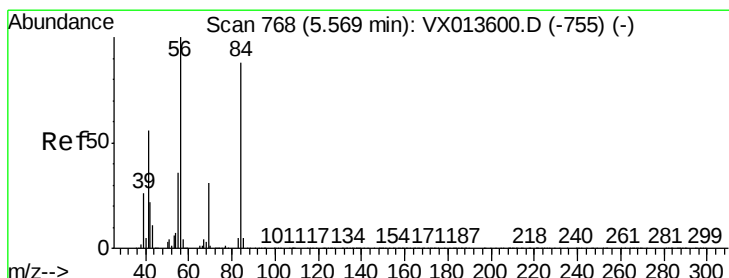
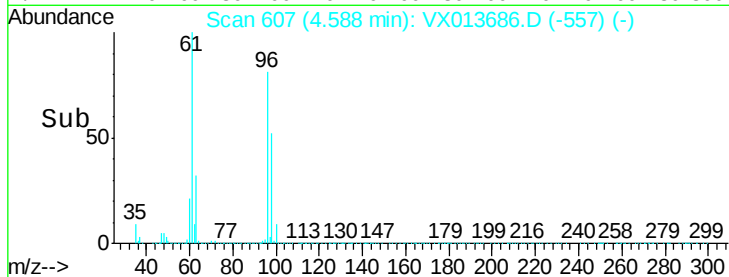
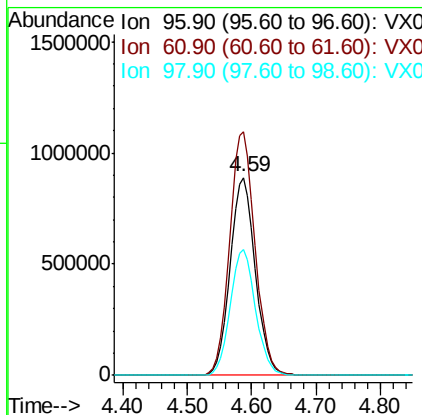
cis-1,2-Dichloroethene
Concen: 294.455 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampled :
S39-0187

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.0	0.0	286.4
98	63.7	0.0	127.4

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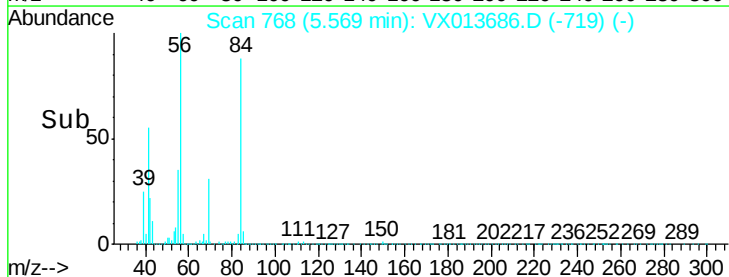
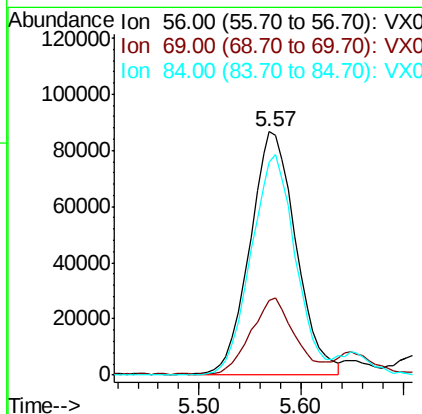
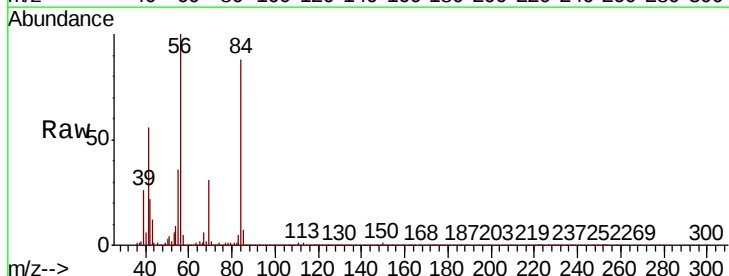
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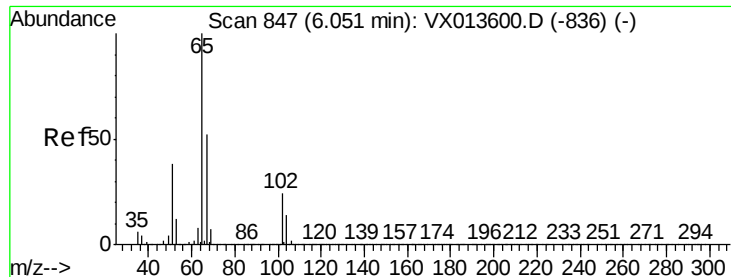


#31

Cyclohexane
Concen: 22.609 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	36.8
84	87.6	70.0	105.0





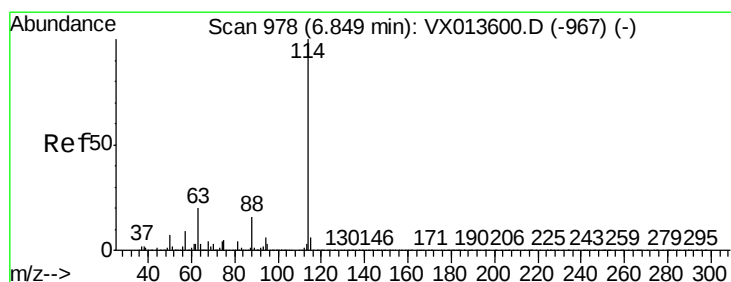
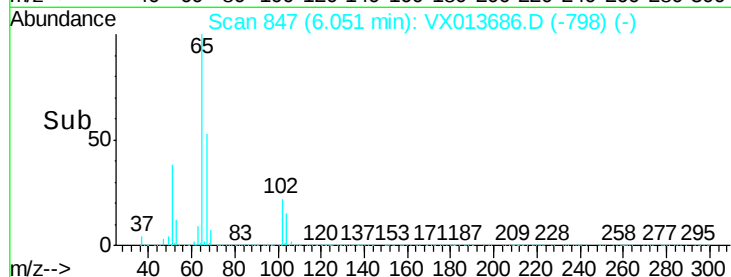
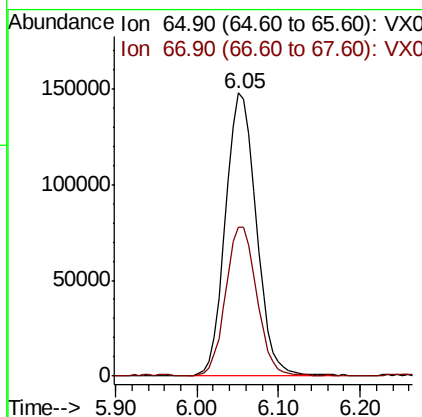
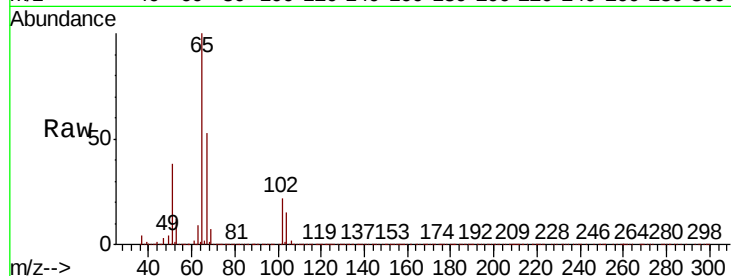
#33
 1,2-Dichloroethane-d4
 Concen: 47.704 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013686.D
 Acq: 28 Nov 2019 05:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0187

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	104.4	

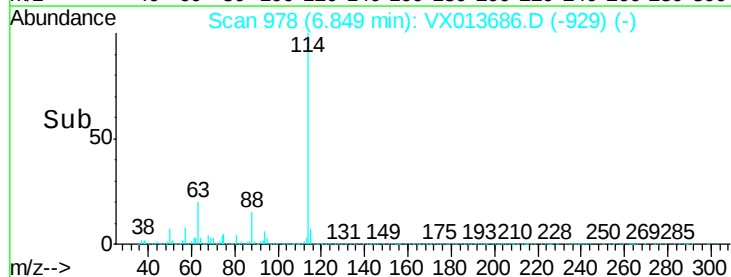
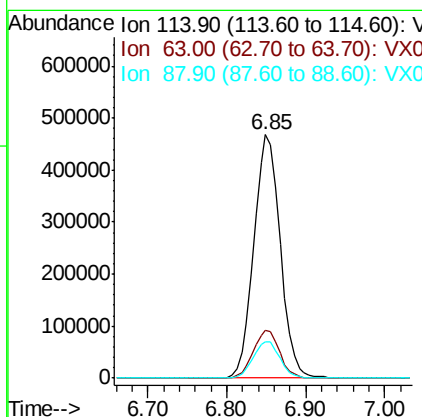
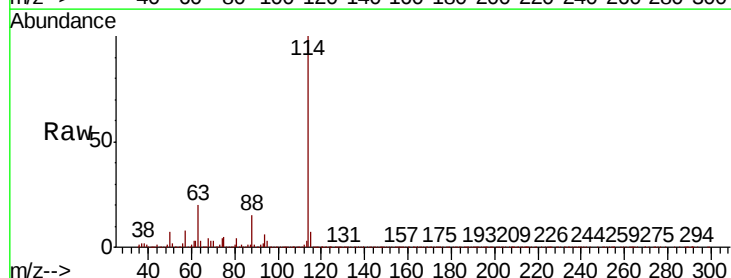
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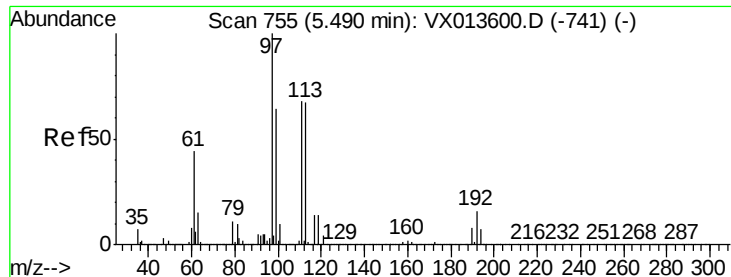
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013686.D
 Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.6	
88	15.0	0.0	31.4	





#35

Dibromofluoromethane

Concen: 47.002 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

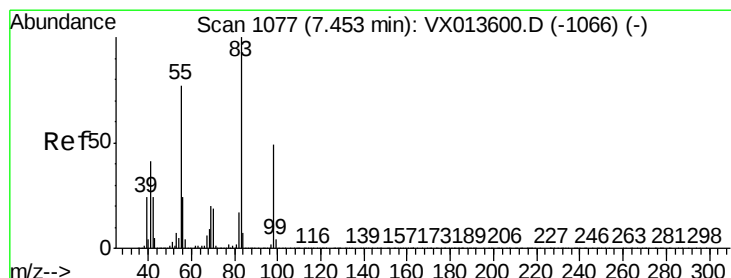
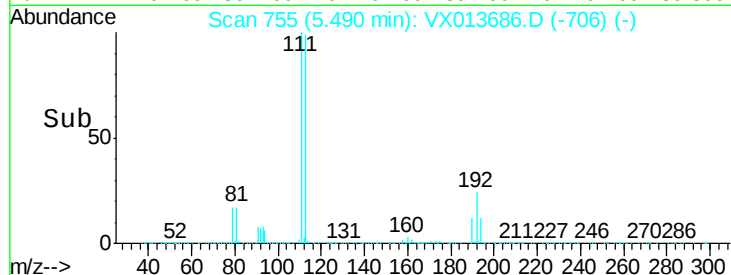
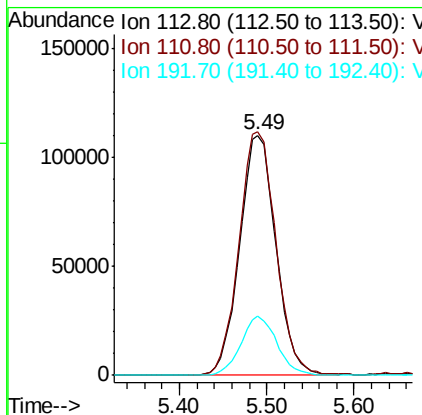
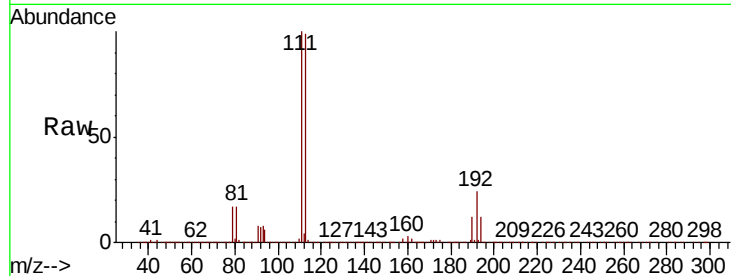
ClientSampleId :

S39-0187

Tot Ion:	113	Resp:	316440
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.6	125.4
192	24.1	19.2	28.8

Manual Integrations
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#39

Methylcyclohexane

Concen: 47.088 ug/l

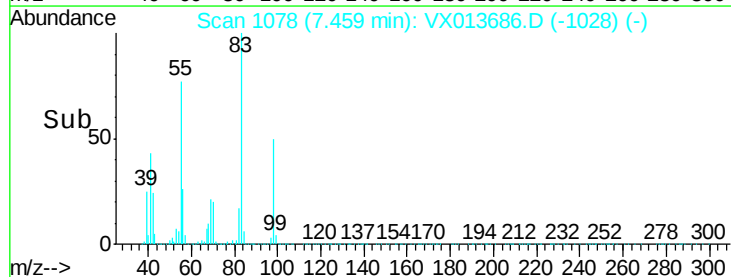
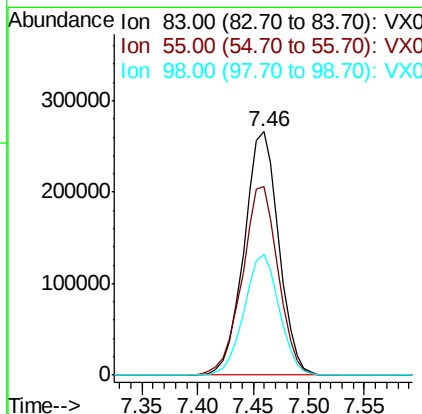
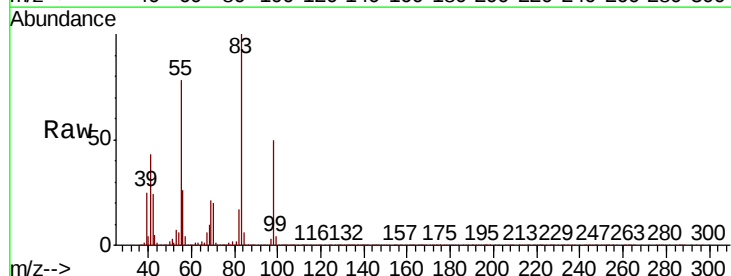
RT: 7.46 min Scan# 1078

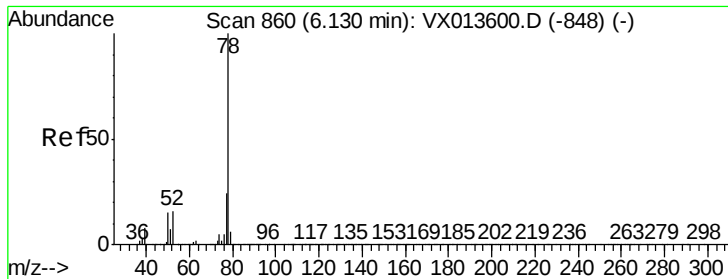
Delta R.T. 0.01 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Tgt Ion:	83	Resp:	575403
Ion Ratio	Lower	Upper	
83	100		
55	77.5	61.9	92.9
98	49.6	39.4	59.0





#40

Benzene

Concen: 7.603 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

ClientSampled :

S39-0187

Tot Ion: 78 Resp: 228930

Ion Ratio Lower Upper

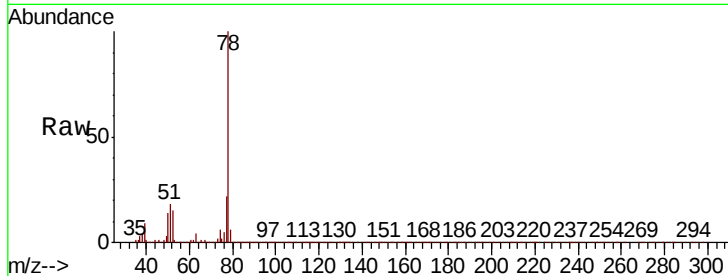
78 100

77 22.0 19.0 28.4

Manual Integrations
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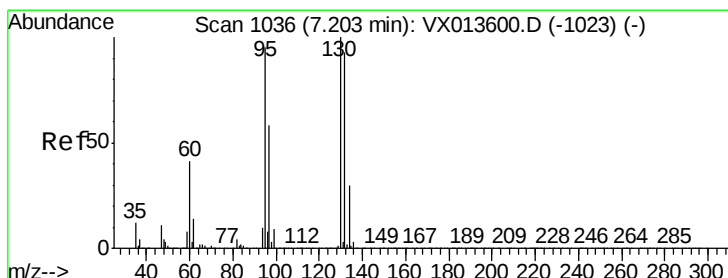
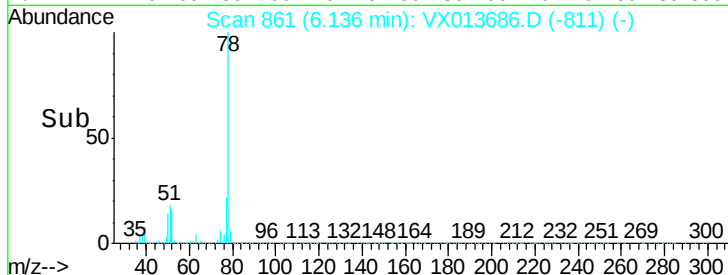
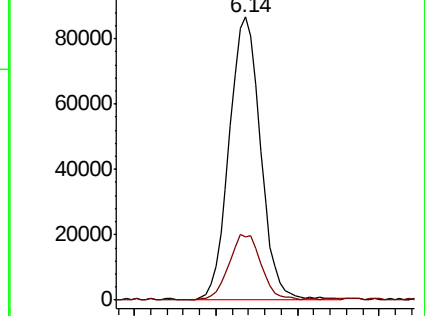
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 0.608 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013686.D

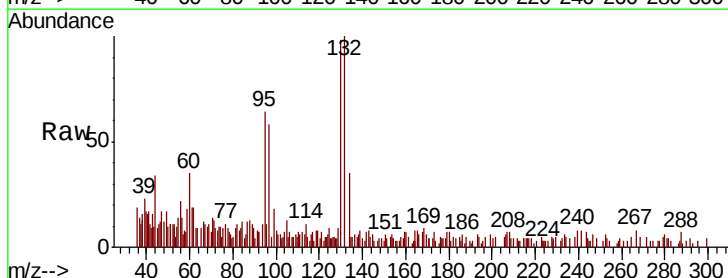
Acq: 28 Nov 2019 05:28

Tgt Ion: 130 Resp: 5022

Ion Ratio Lower Upper

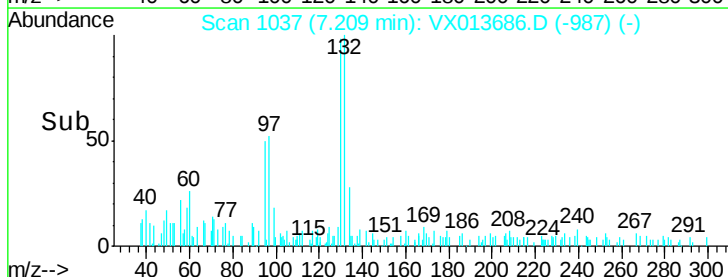
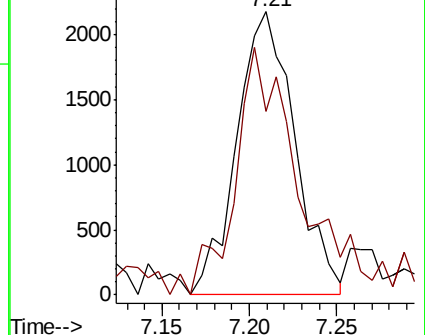
130 100

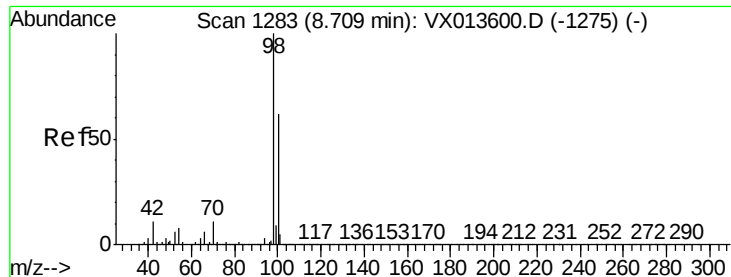
95 64.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





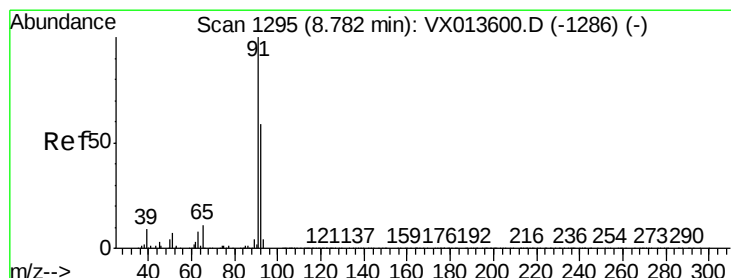
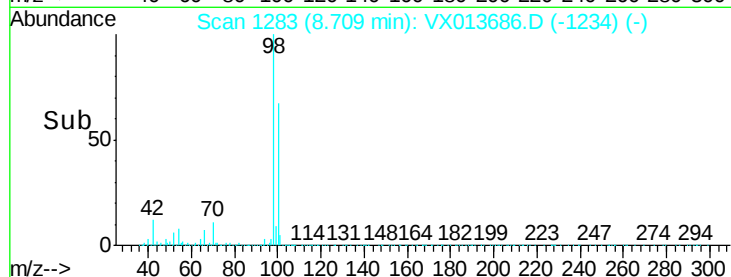
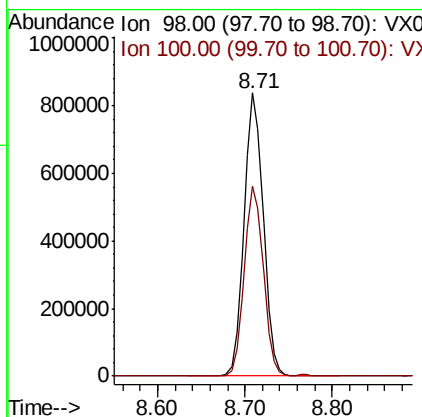
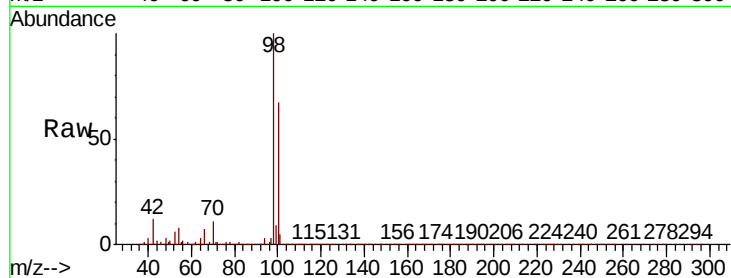
#50
Toluene-d8
Concen: 48.720 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampled :
S39-0187

Tot Ion: 98 Resp: 1277973
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

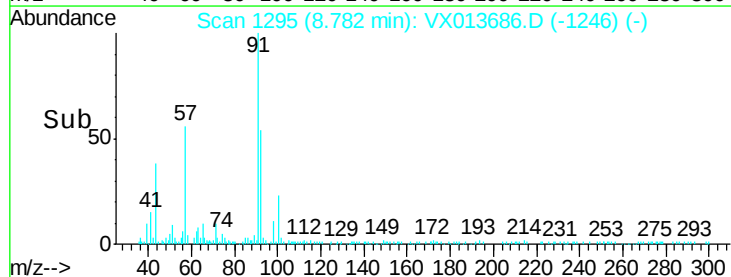
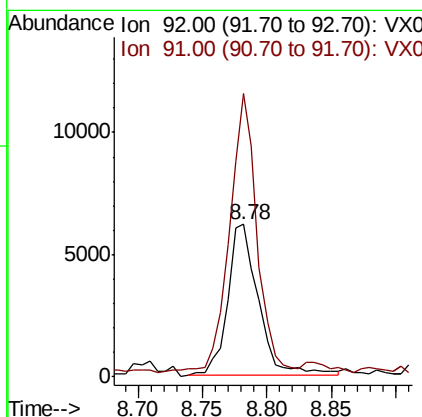
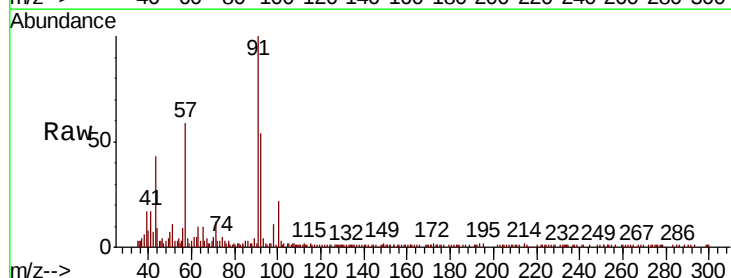
Manual Integrations
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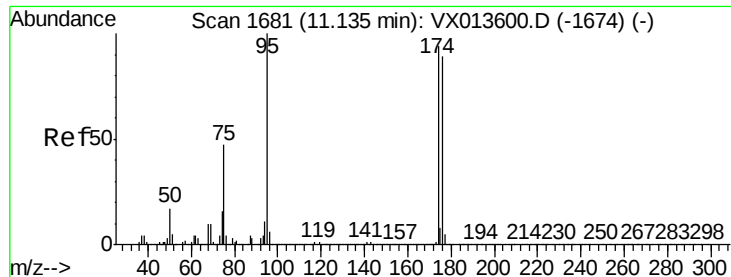
apatel
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#52
Toluene
Concen: 0.544 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion: 92 Resp: 10171
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.2





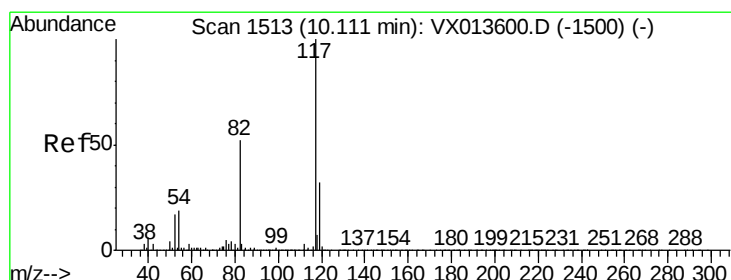
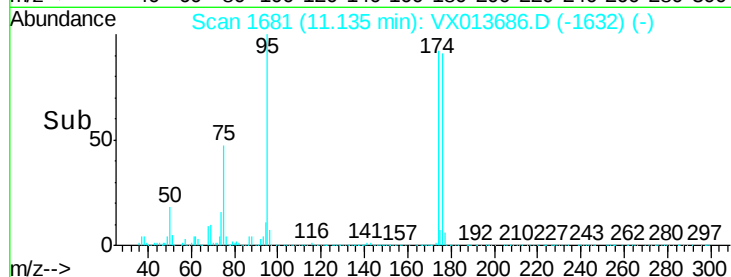
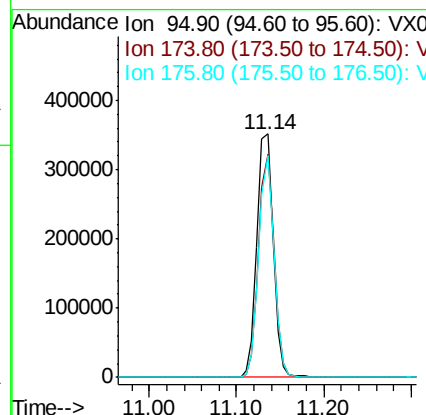
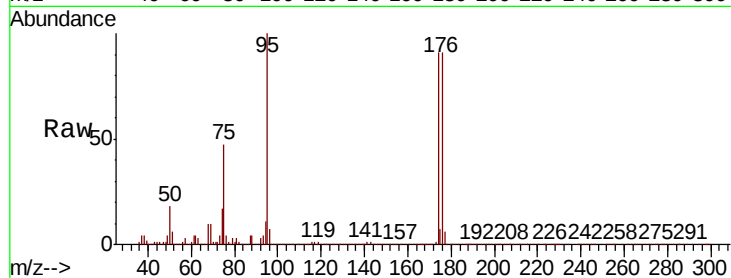
#62
4-Bromofluorobenzene
Concen: 48.139 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampleId :
S39-0187

Tot Ion	Ratio	Resp	Lower	Upper
95	100	455340		
174	86.9	0.0	180.0	
176	85.0	0.0	173.6	

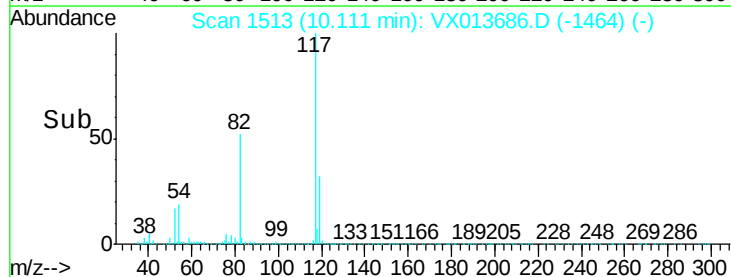
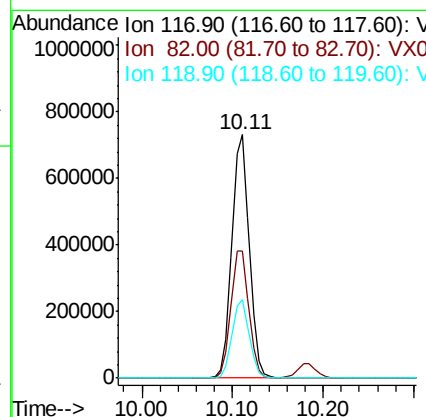
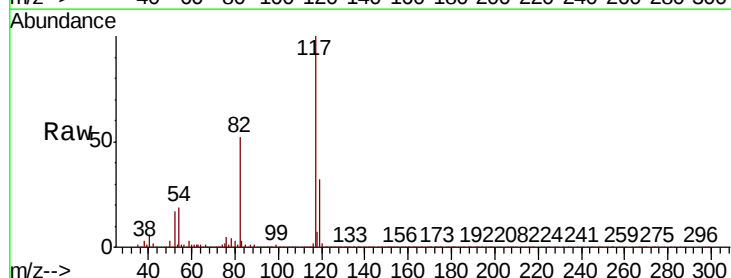
Manual Integrations
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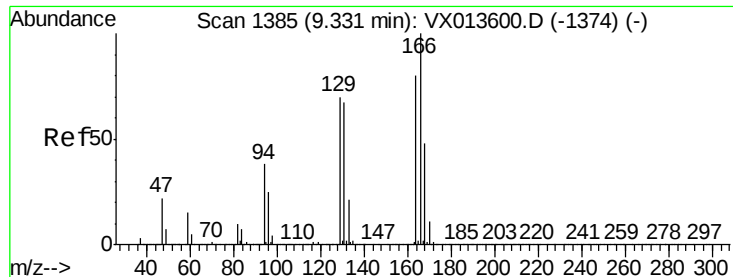
apatel
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	976499		
82	52.2	41.8	62.8	
119	32.4	25.8	38.8	





#64

Tetrachloroethene

Concen: 0.732 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

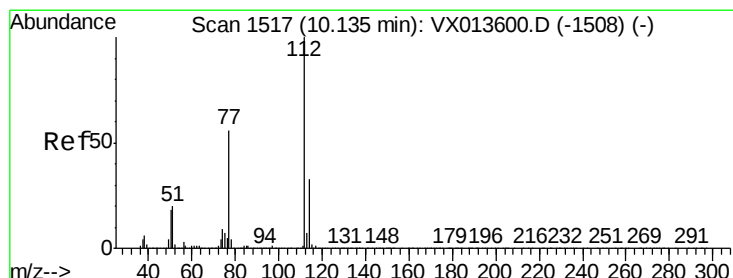
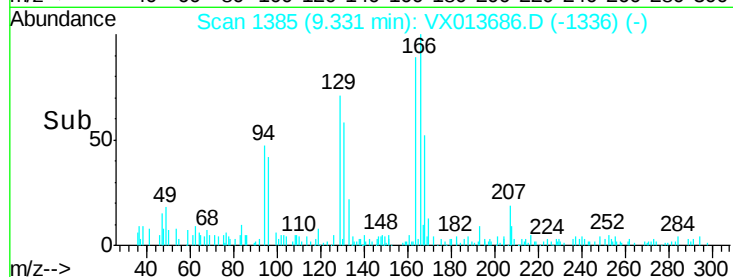
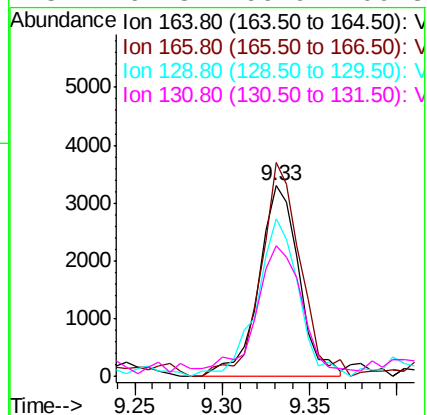
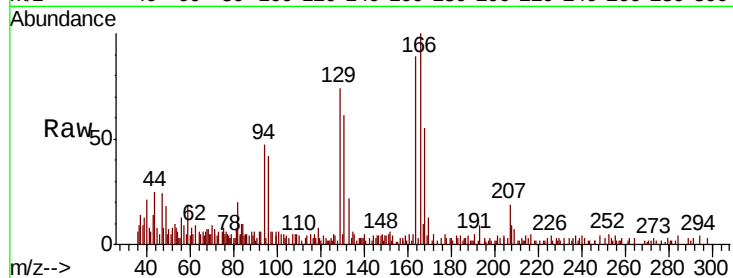
ClientSampleId :

S39-0187

Tot Ion	Ratio	Lower	Upper
164	100		
166	112.2	99.7	149.5
129	82.7	70.1	105.1
131	64.8	66.9	100.3

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#65

Chlorobenzene

Concen: 0.684 ug/l

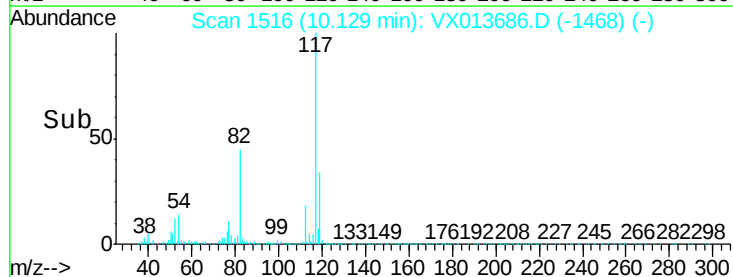
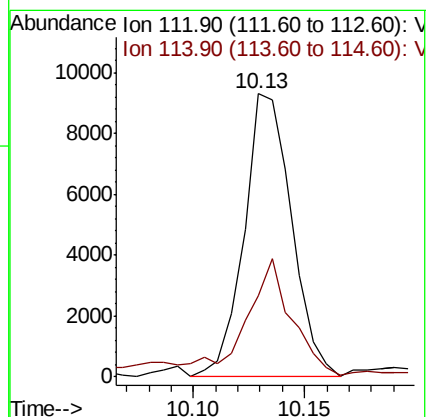
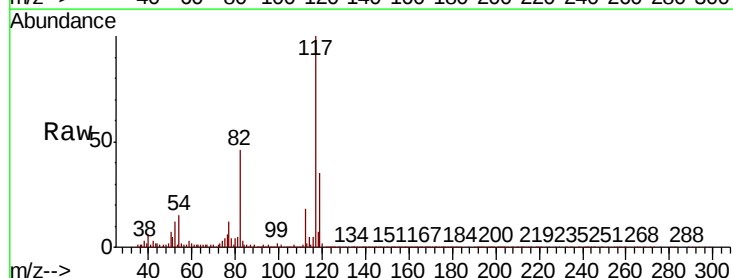
RT: 10.13 min Scan# 1516

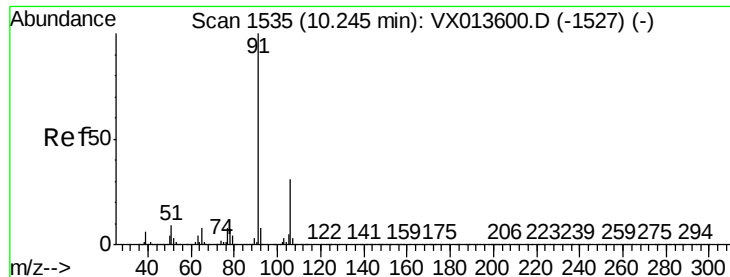
Delta R.T. -0.01 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.0	26.1	39.1





#67

Ethyl Benzene

Concen: 35.409 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S39-0187

Tot Ion: 91 Resp: 1233603

Ion Ratio Lower Upper

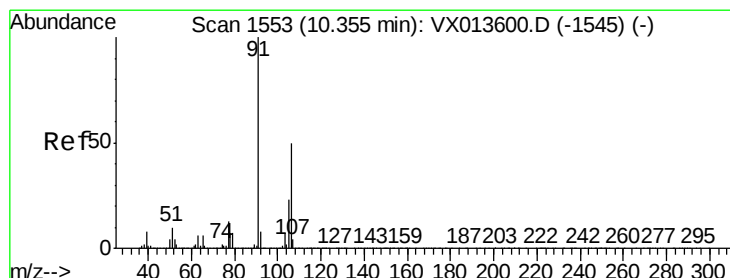
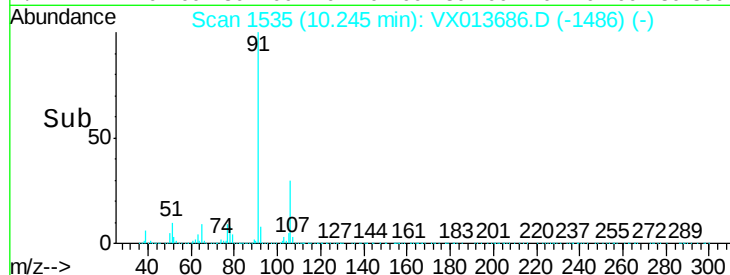
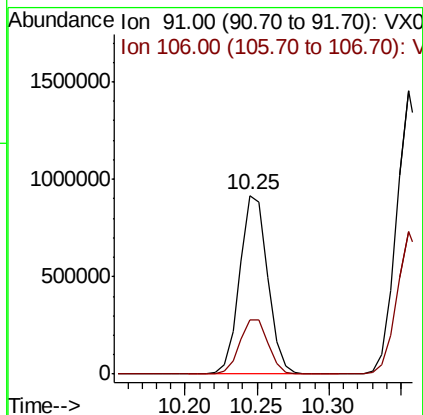
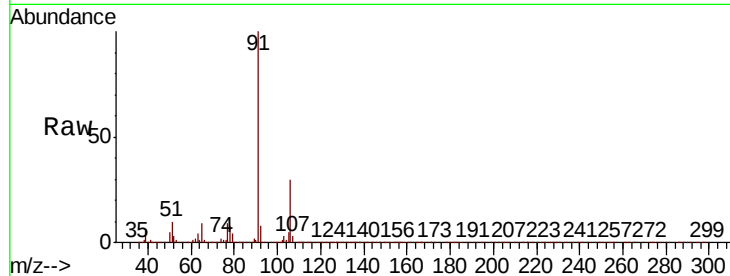
91 100

106 30.4 24.5 36.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 70.782 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013686.D

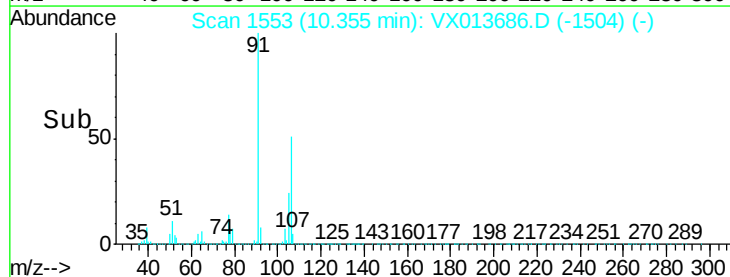
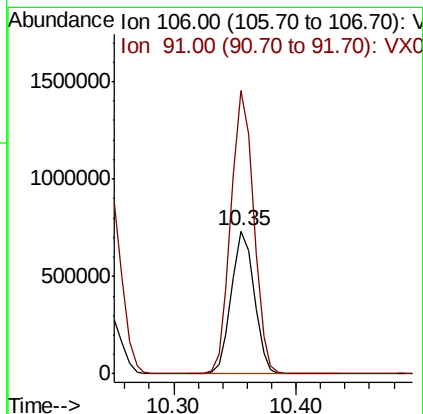
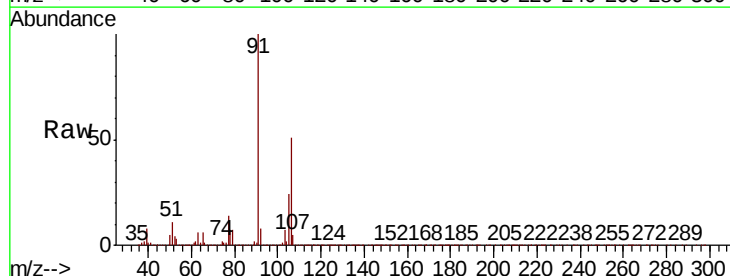
Acq: 28 Nov 2019 05:28

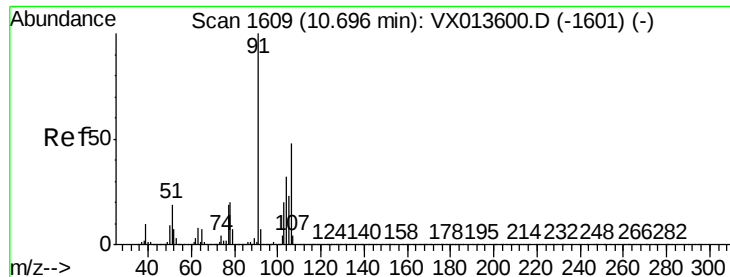
Tgt Ion: 106 Resp: 944100

Ion Ratio Lower Upper

106 100

91 198.3 159.0 238.4





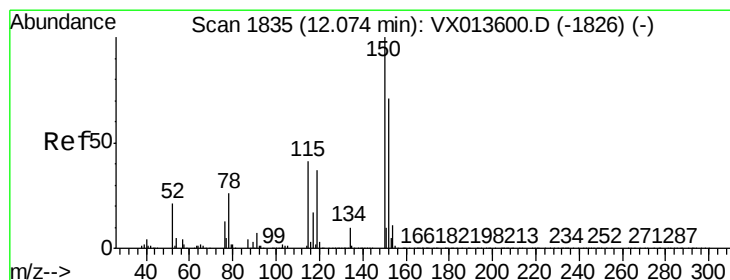
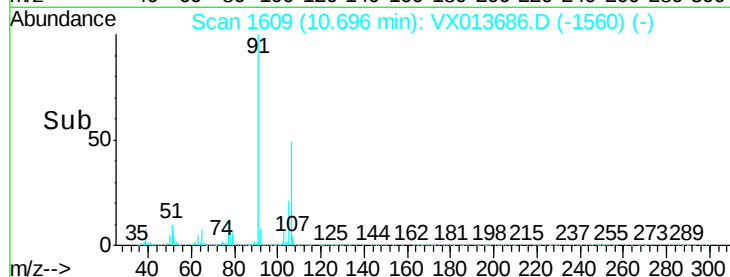
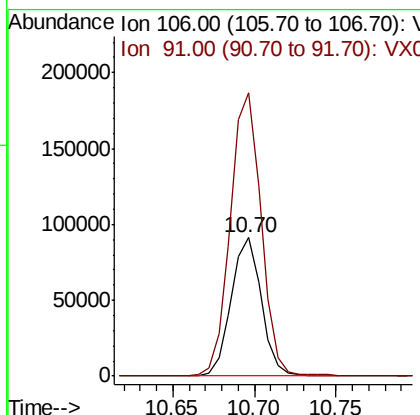
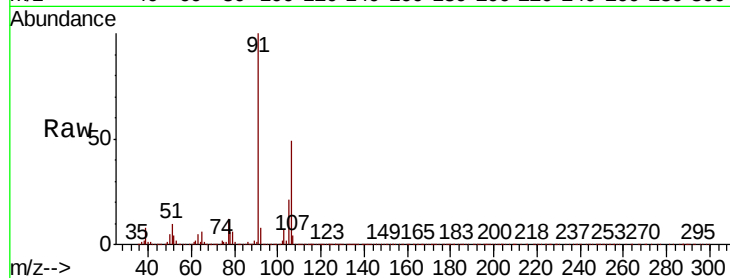
#69
o-Xylene
Concen: 8.997 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampleId :
S39-0187

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	104.1	312.2

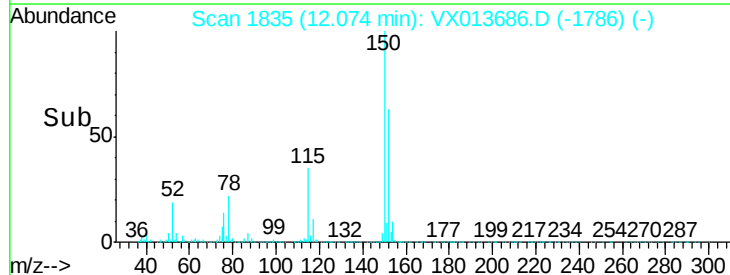
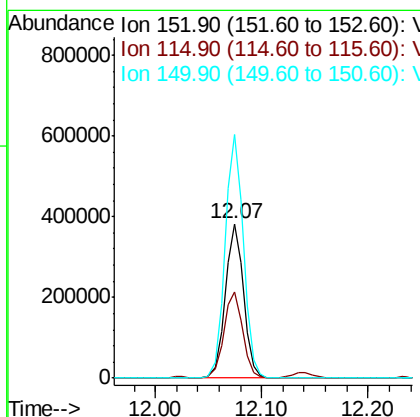
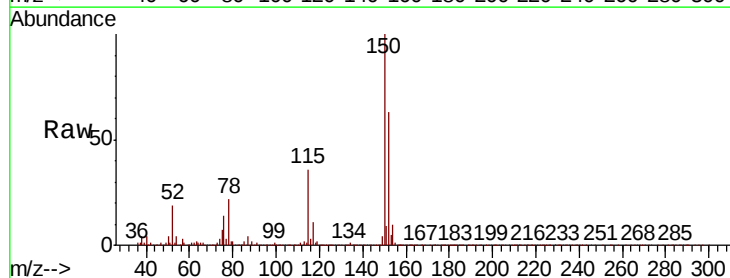
Manual Integrations
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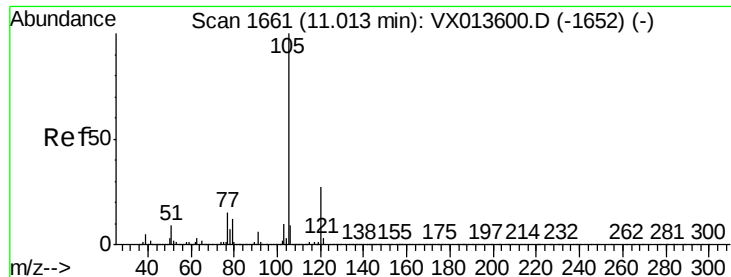
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	38.4	115.1
150	157.9	0.0	346.8





#73

Isopropylbenzene

Concen: 7.614 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013686.D

Acq: 28 Nov 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S39-0187

Tot Ion:105 Resp: 245364

Ion Ratio Lower Upper

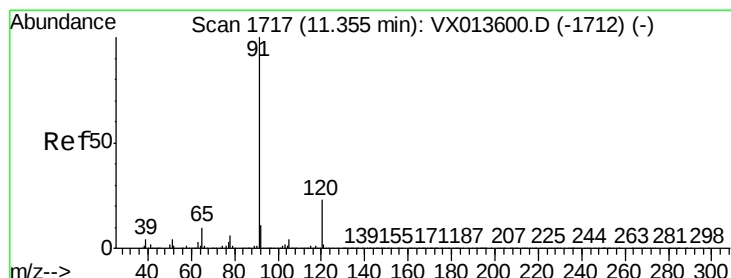
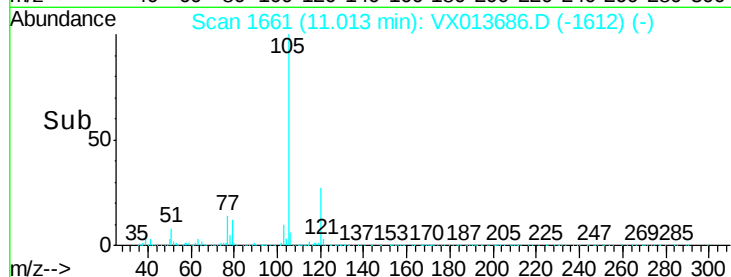
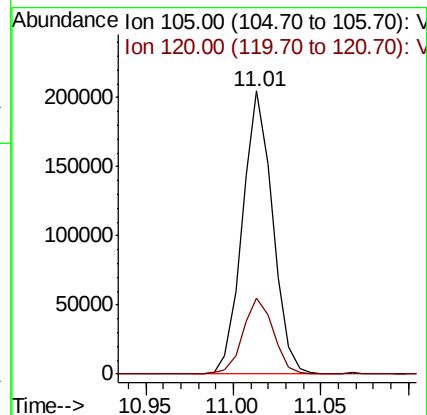
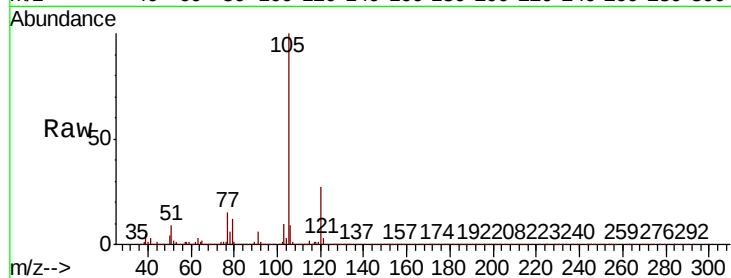
105 100

120 27.0 13.5 40.5

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#78

n-propylbenzene

Concen: 5.544 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013686.D

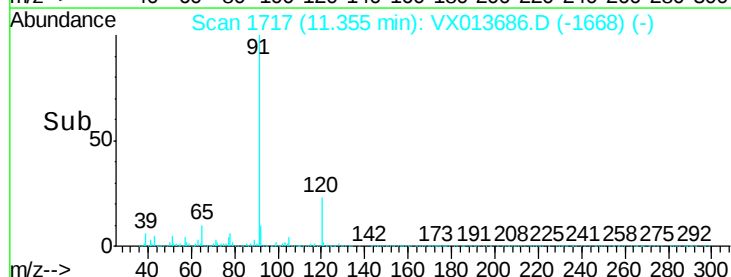
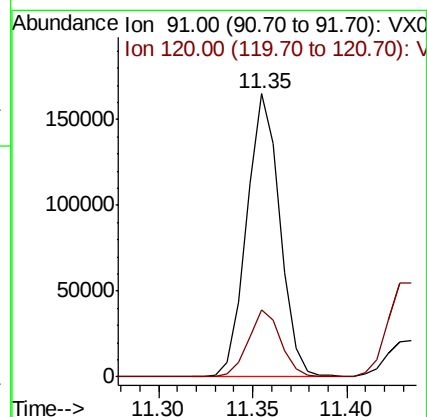
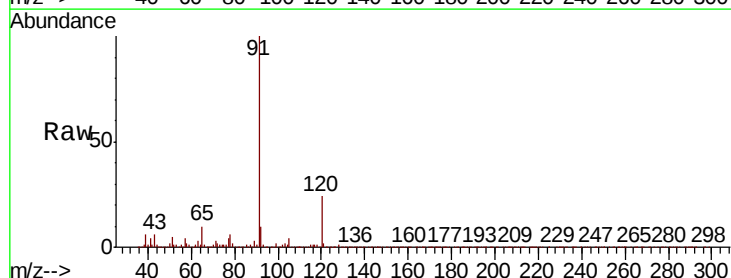
Acq: 28 Nov 2019 05:28

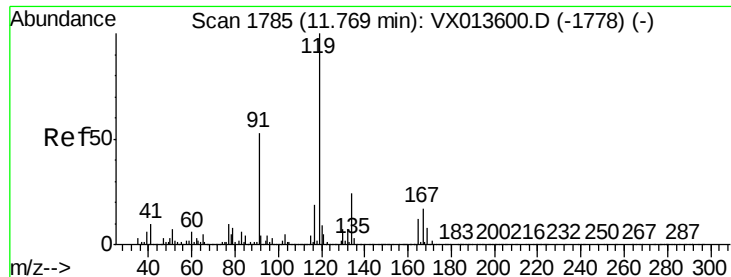
Tgt Ion: 91 Resp: 199441

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3





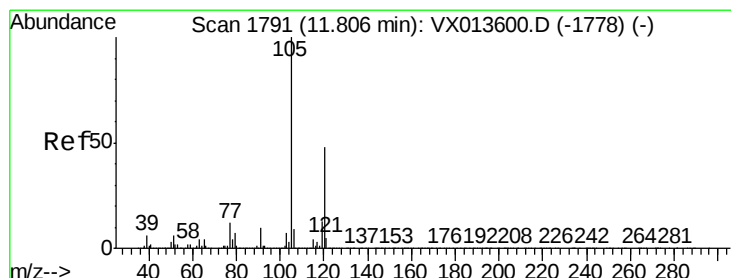
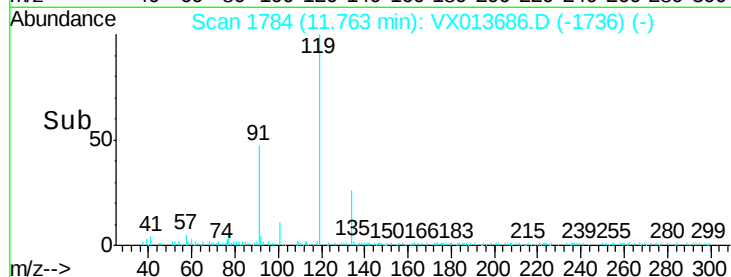
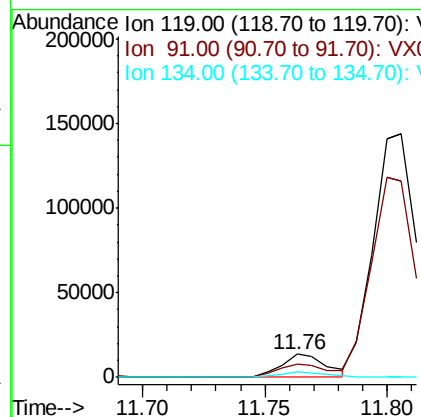
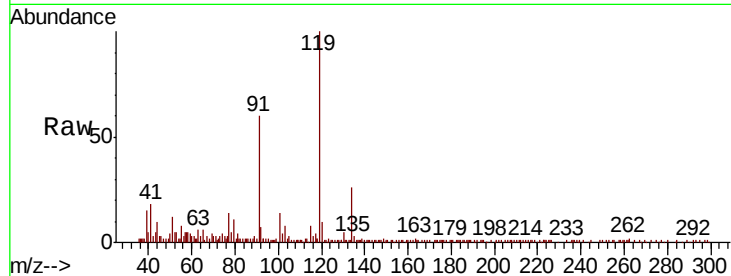
#83
tert-Butylbenzene
Concen: 0.628 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampled :
S39-0187

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	27.2	81.6
134	26.1	11.7	35.1

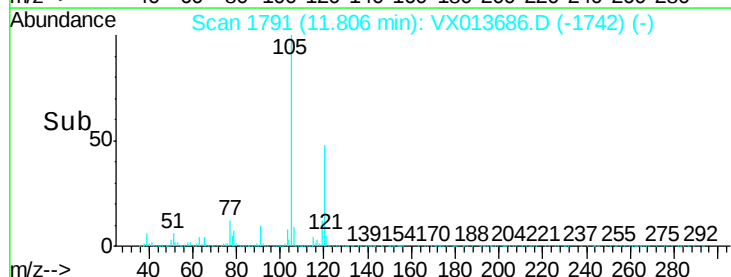
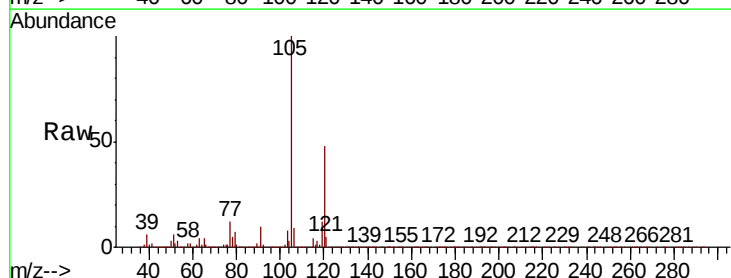
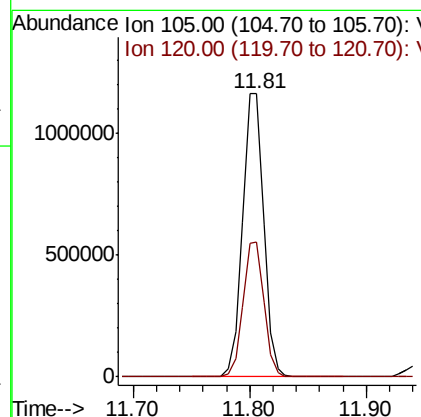
Manual Integrations
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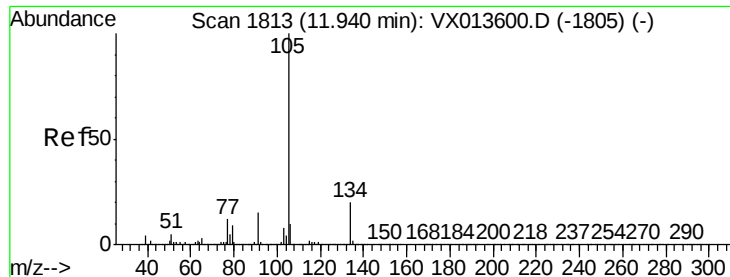
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#84
1,2,4-Trimethylbenzene
Concen: 54.882 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.1	69.3





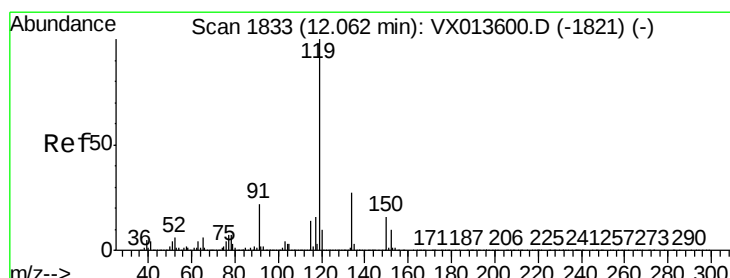
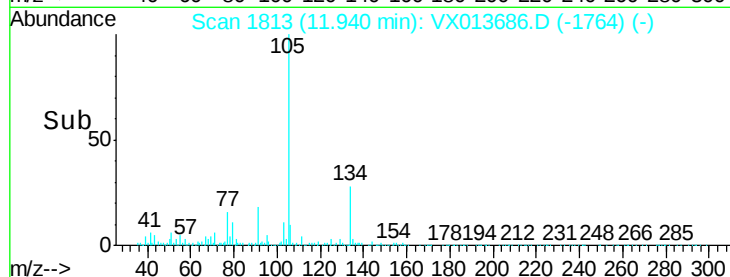
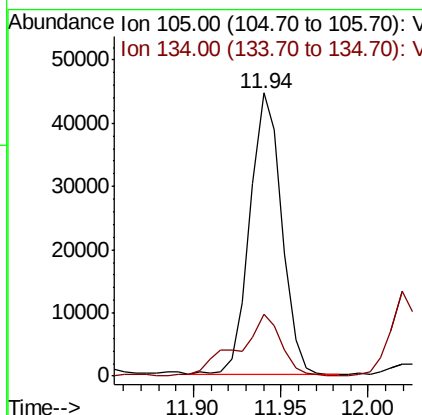
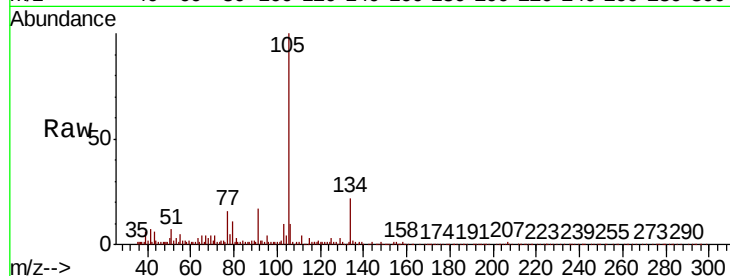
#85
 sec-Butylbenzene
 Concen: 1.850 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013686.D
 Acq: 28 Nov 2019 05:28

Instrument :
 MSVOA_X
 ClientSampleID :
 S39-0187

Tot Ion	Ratio	Lower	Upper
105	100		
134	29.7	10.4	31.2

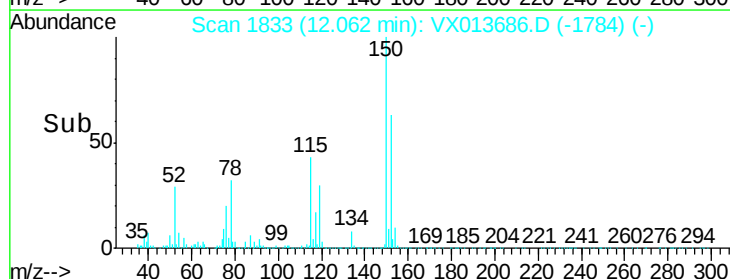
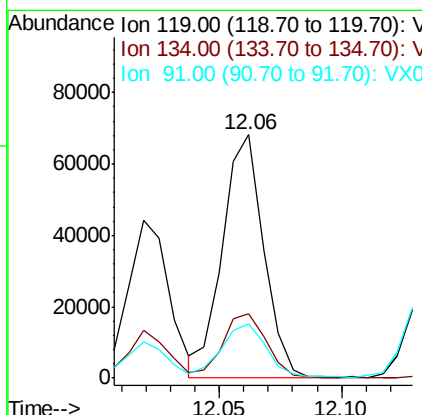
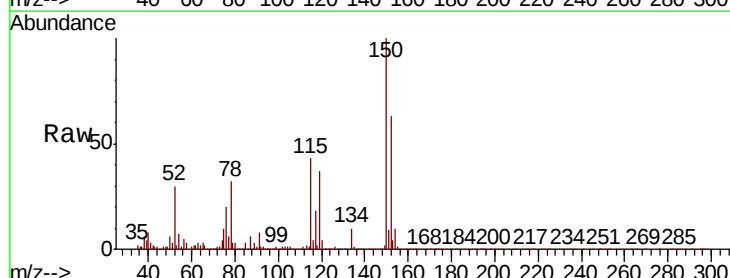
Manual Integrations
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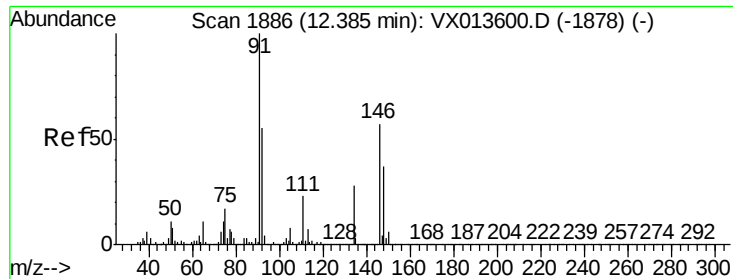
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#86
 p-Isopropyltoluene
 Concen: 2.793 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013686.D
 Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.3	39.9
91	23.8	11.3	33.8





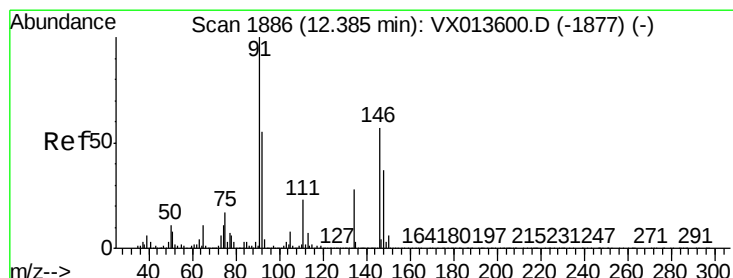
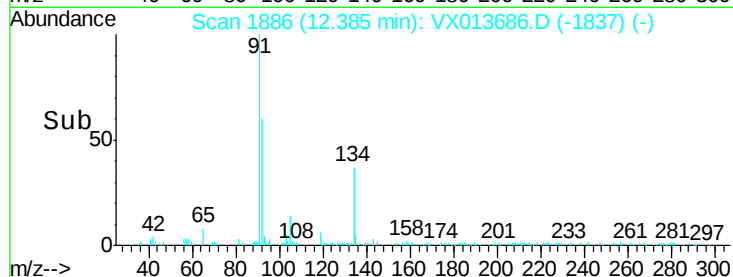
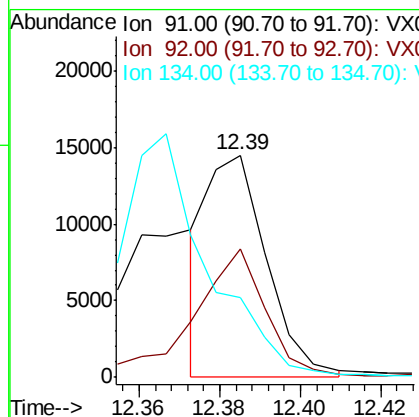
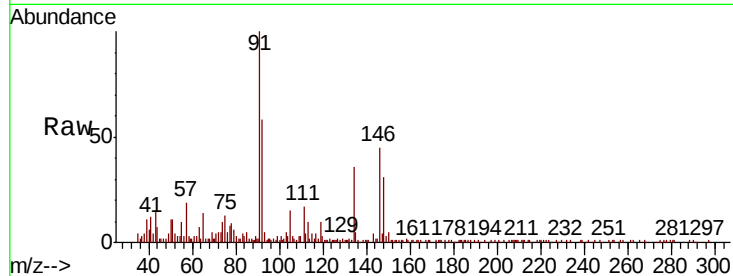
#89
n-Butylbenzene
Concen: 0.605 ug/l m
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampled :
S39-0187

Tot Ion	Ratio	Lower	Upper
91	100		
92	70.2	27.4	82.2
134	159.0	13.5	40.4#

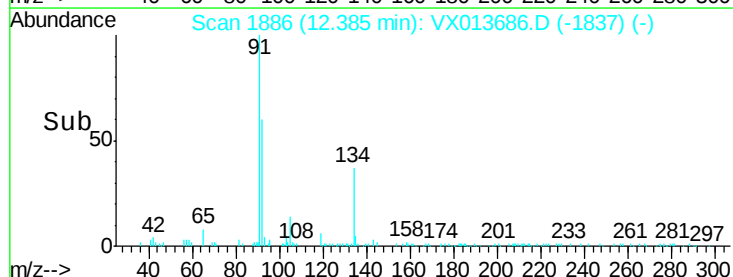
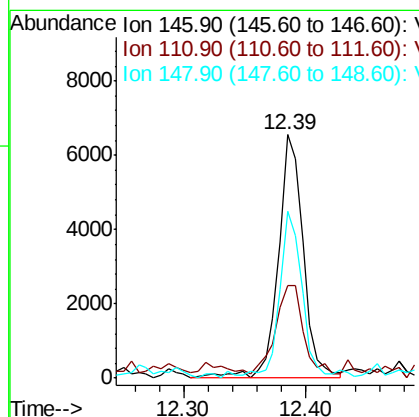
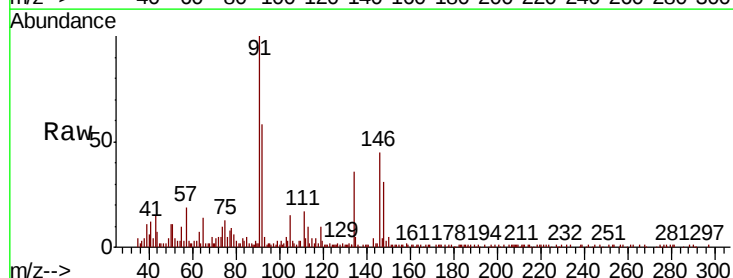
Manual Integrations
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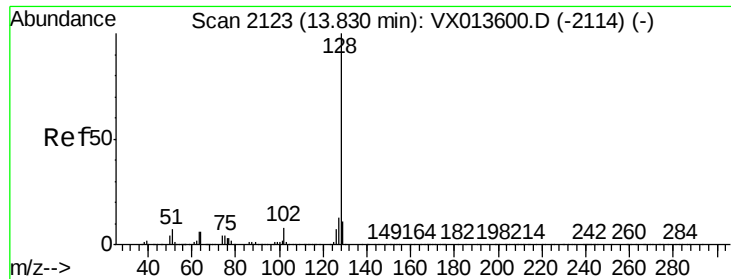
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#91
1,2-Dichlorobenzene
Concen: 0.619 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.7
148	62.4	31.9	95.7





#95
Naphthalene
Concen: 15.787 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013686.D
Acq: 28 Nov 2019 05:28

Instrument :
MSVOA_X
ClientSampleId :
S39-0187

Tot Ion	Ratio	Resp	Lower	Upper
128	100	491325		
127	12.9	10.3	15.5	
129	11.3	8.7	13.1	

Manual Integrations
APPROVED

apatel
12/2/2019 3:17:49 PM

