

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014698.D
 Acq On : 24 Jan 2020 15:31
 Operator : JC/SP
 Sample : L1256-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-1

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 10:35:35 AM

Quant Time: Jan 24 23:20:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	69728	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	374088	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	342075	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	149913	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	11.14	95	161690	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	8.71	98	457967	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
15) Acetone	2.43	58	58743	73.440 ug/l	90
23) tert-Butyl Alcohol	3.02	59	316186	320.434 ug/l #	100
24) Methyl tert-Butyl Ether	3.18	73	33671	2.621 ug/l	94
30) 2-Butanone	4.66	43	84652	24.358 ug/l	98
34) Benzene	6.14	78	69645	4.108 ug/l	96
58) 4-Methyl-2-Pentanone	8.64	43	54937	8.528 ug/l	100
59) 2-Hexanone	9.49	43	8030	1.612 ug/l	97
62) Toluene	8.78	91	296299	16.326 ug/l	99
66) Ethyl Benzene	10.25	91	66375	3.358 ug/l	99
67) m/p-Xylenes	10.35	106	94296	12.453 ug/l	98
68) o-Xylene	10.70	106	55811	7.569 ug/l	96
70) Isopropylbenzene	11.01	105	6662m	0.345 ug/l	
74) n-propylbenzene	11.35	91	14251	0.646 ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	24070	1.495 ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	93647	5.833 ug/l	99
82) p-Isopropyltoluene	12.06	119	10871	0.639 ug/l	92
91) Naphthalene	13.83	128	3435238	191.117 ug/l	100

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

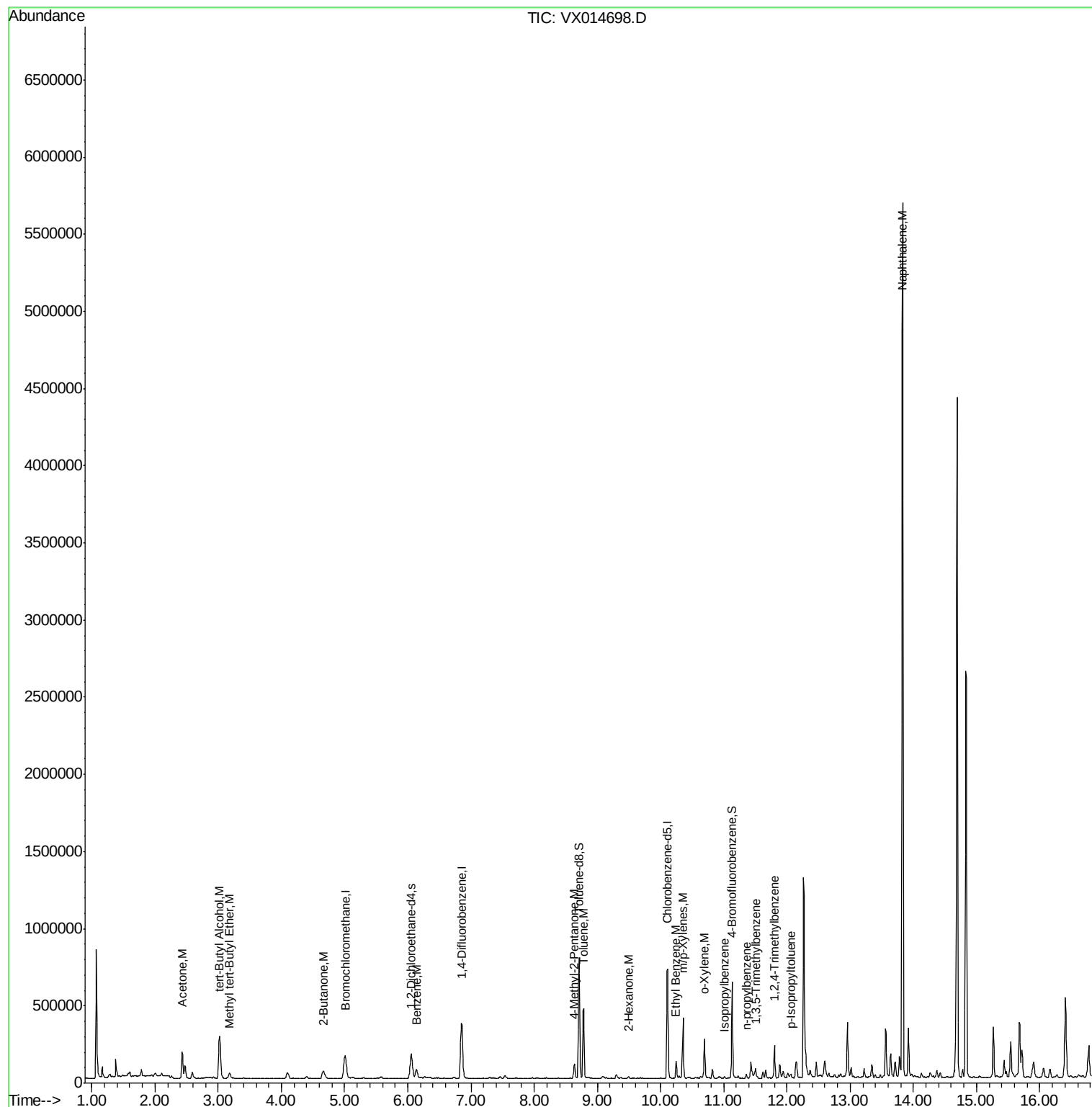
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

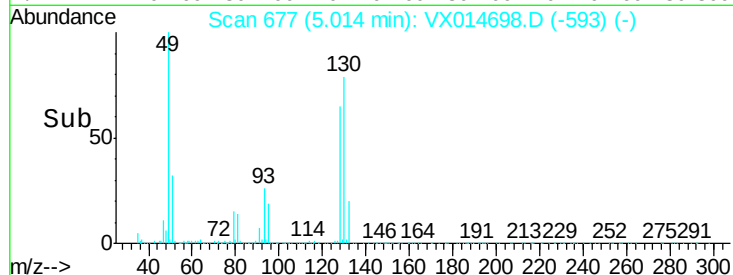
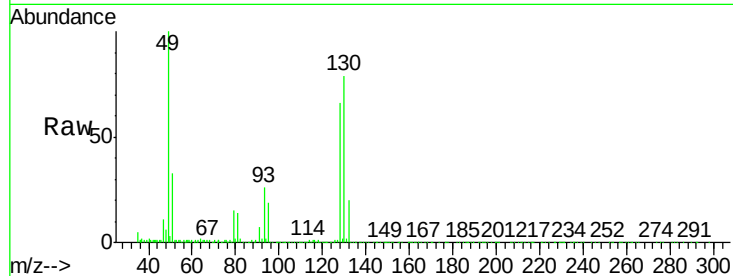
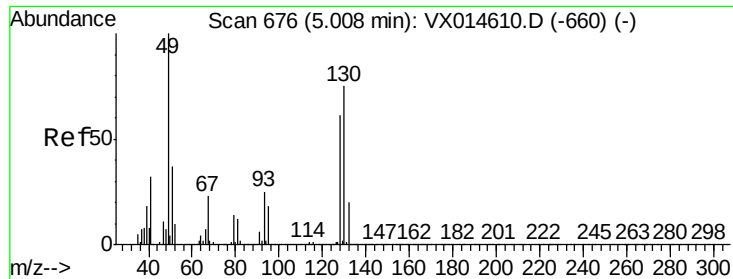
Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Manual Integrations
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Quant Time: Jan 24 23:20:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





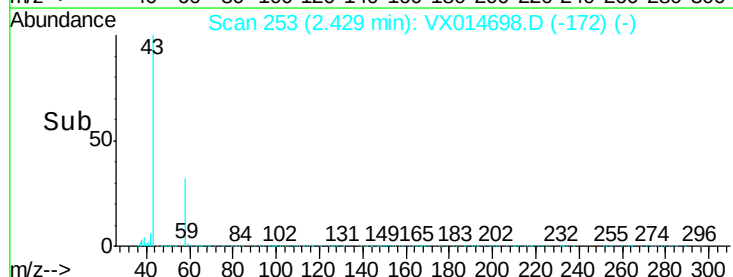
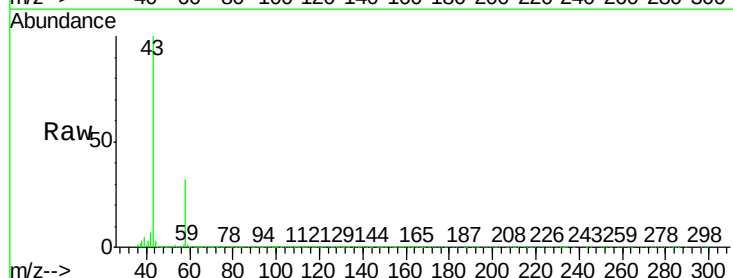
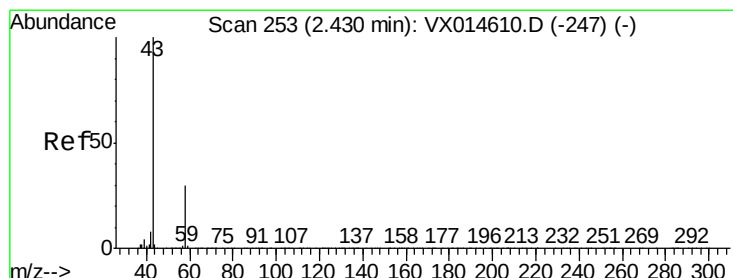
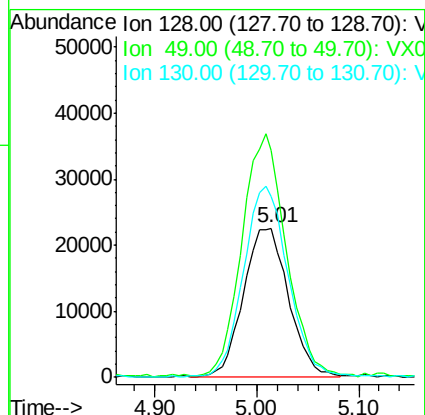
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tot Ion	Ratio	Lower	Upper
128	100		
49	158.5	0.0	405.0
130	126.7	0.0	321.5

Instrument :
MSVOA_X
ClientSampled :
TANK-1

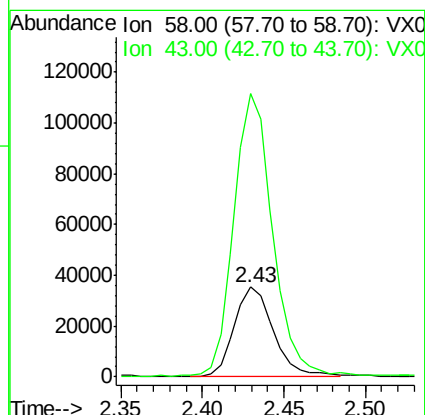
Manual Integrations
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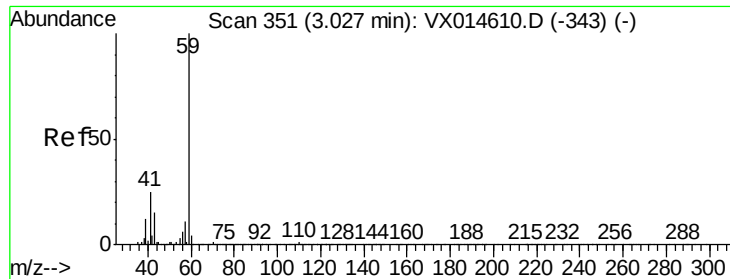
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#15
Acetone
Concen: 73.440 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
58	100		
43	314.8	236.3	354.5





#23

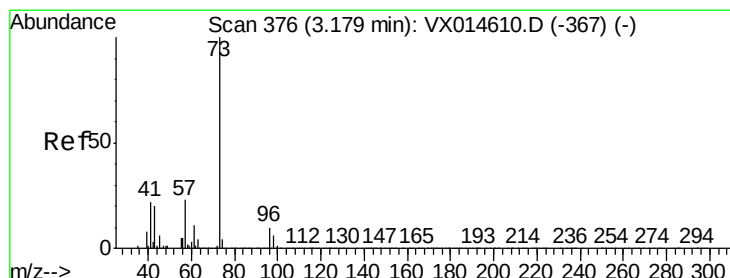
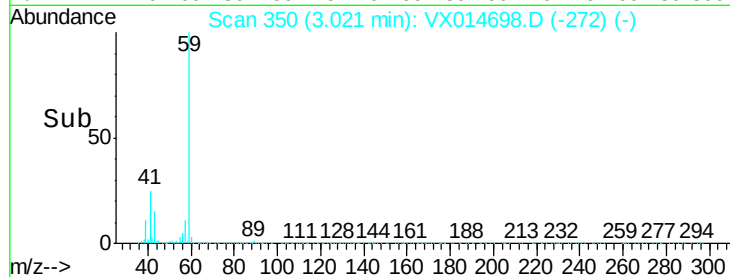
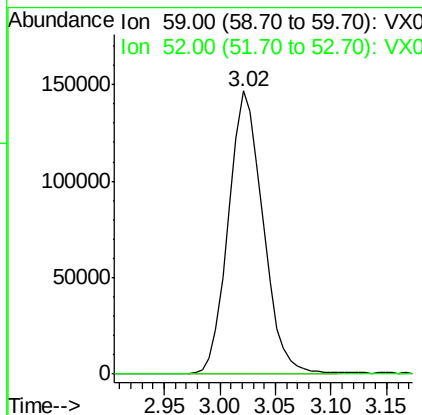
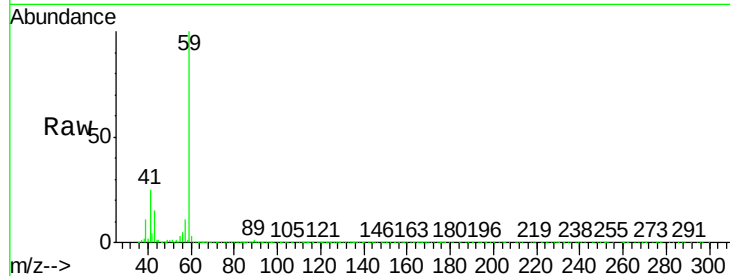
tert-Butyl Alcohol
Concen: 320.434 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.2	0.2#

Manual Integrations
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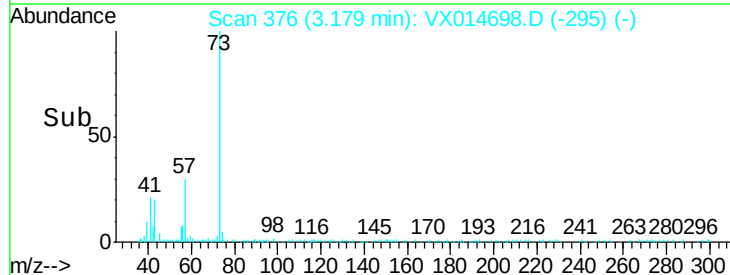
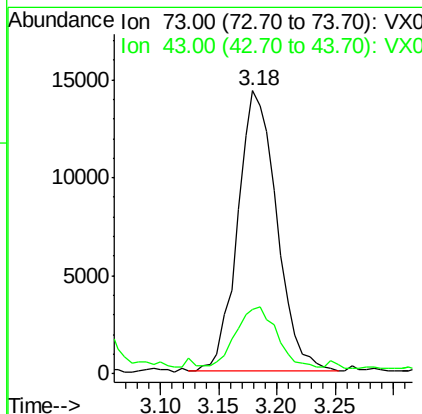
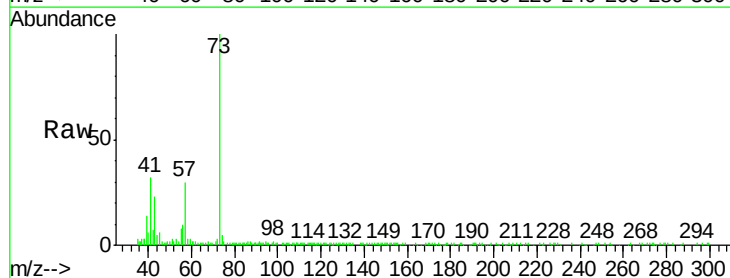
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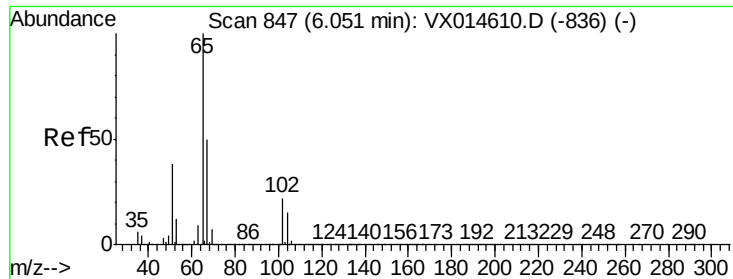


#24

Methyl tert-Butyl Ether
Concen: 2.621 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.7	16.6	25.0





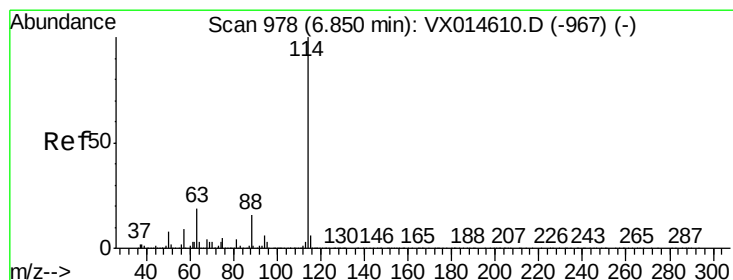
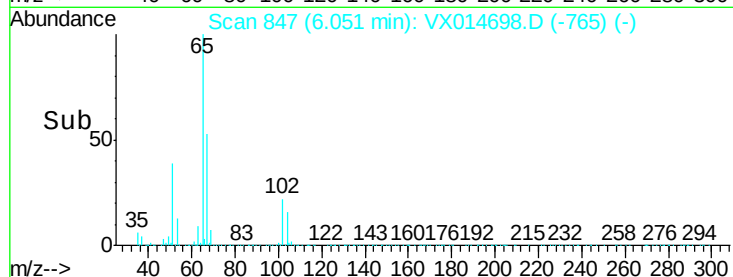
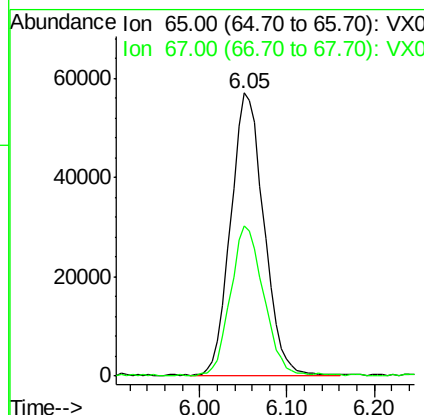
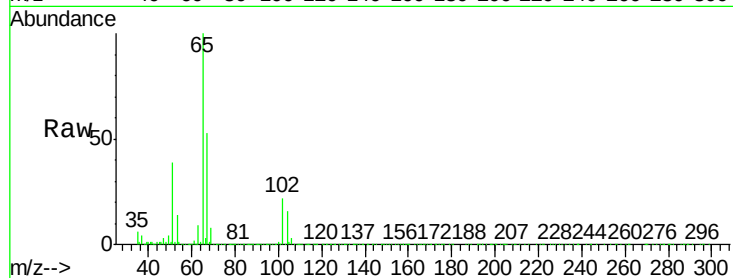
#27
1,2-Dichloroethane-d4
Concen: 30.588 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149913		
67	52.7	43.1	64.7	

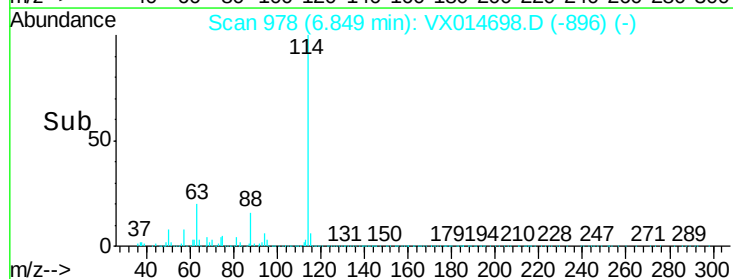
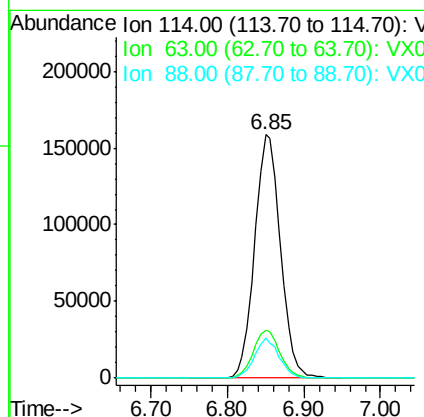
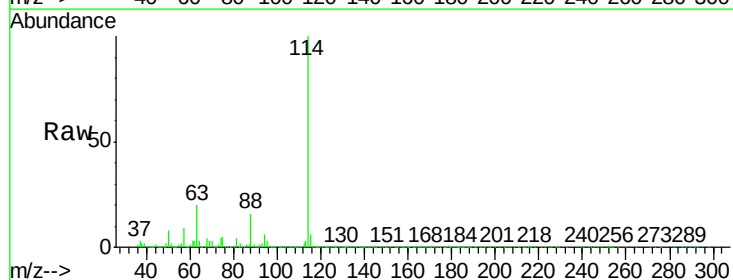
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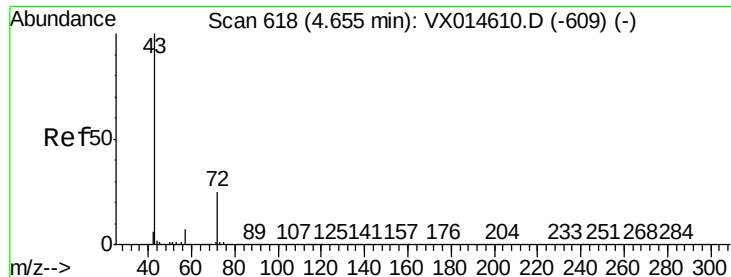
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	374088		
63	20.4	16.1	24.1	
88	15.4	12.5	18.7	





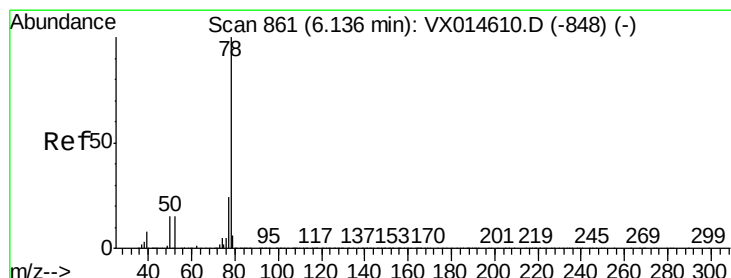
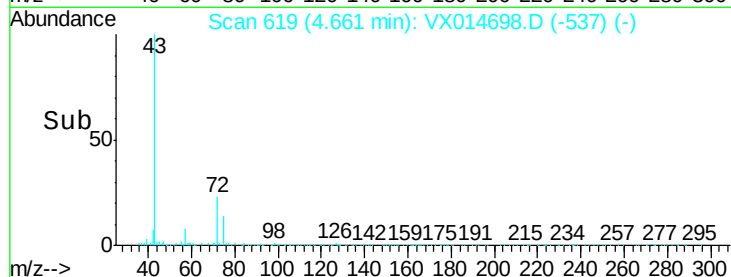
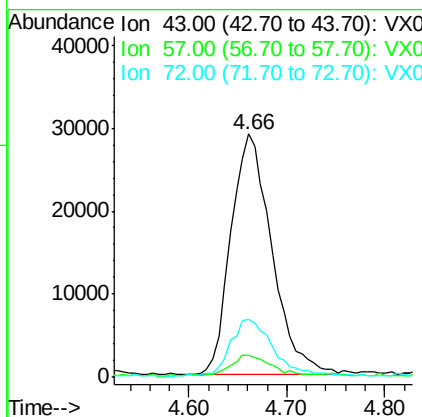
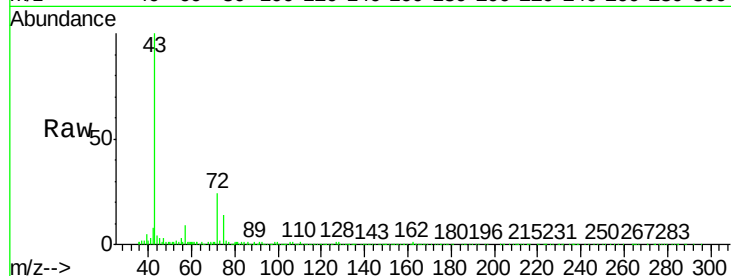
#30
2-Butanone
Concen: 24.358 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion:	43	Resp:	84652
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.2	9.2
72	24.3	20.3	30.5

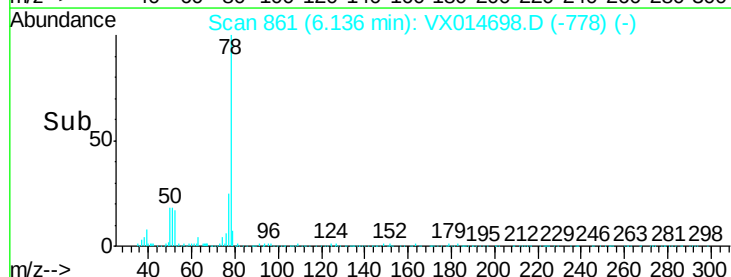
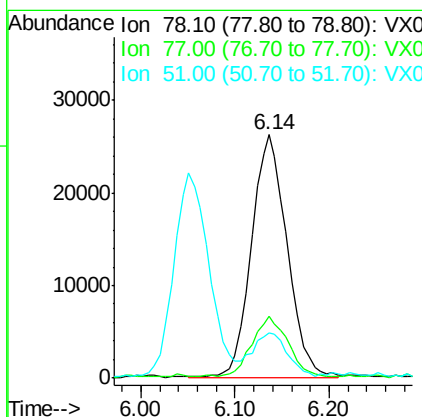
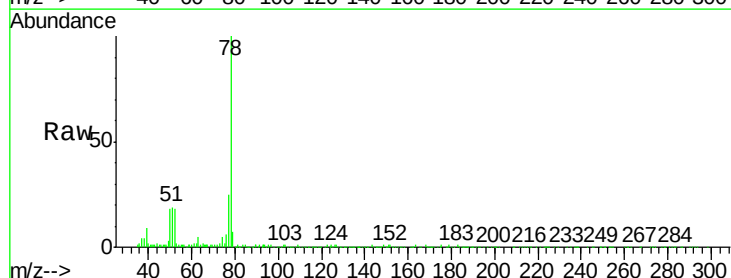
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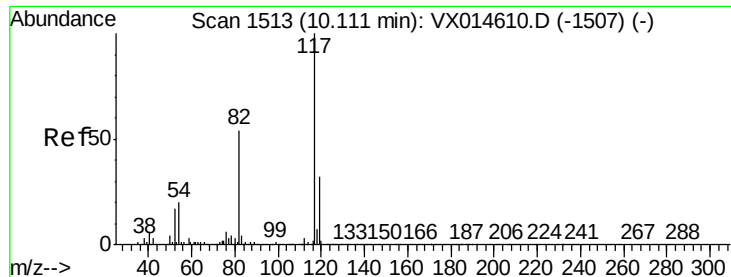
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#34
Benzene
Concen: 4.108 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion:	78	Resp:	69645
Ion Ratio	Lower	Upper	
78	100		
77	24.5	18.2	27.2
51	17.3	12.4	18.6





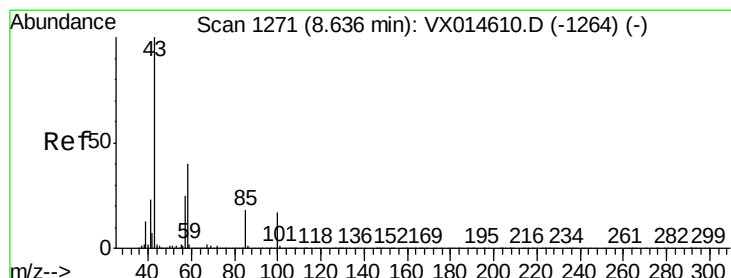
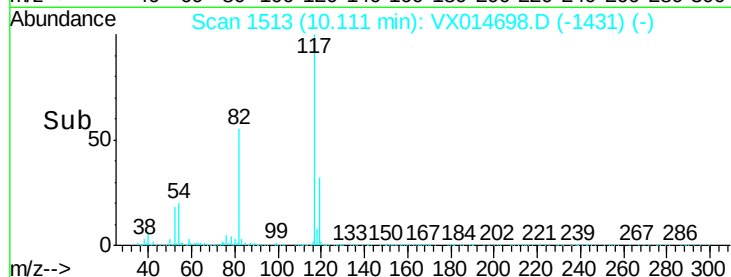
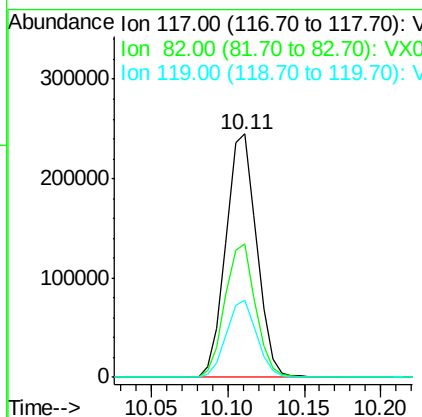
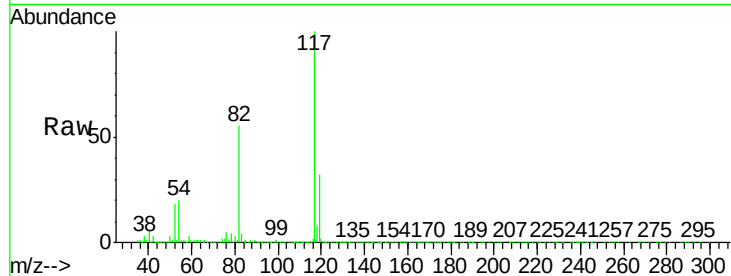
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.6
119	31.3	25.8	38.6

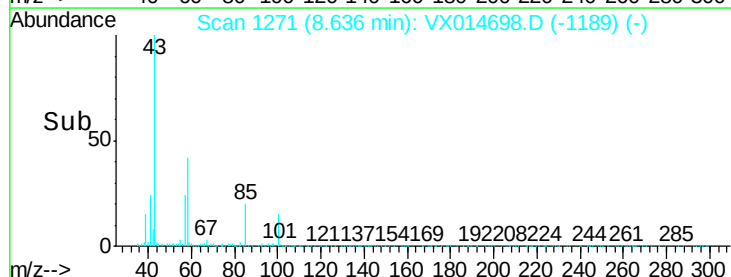
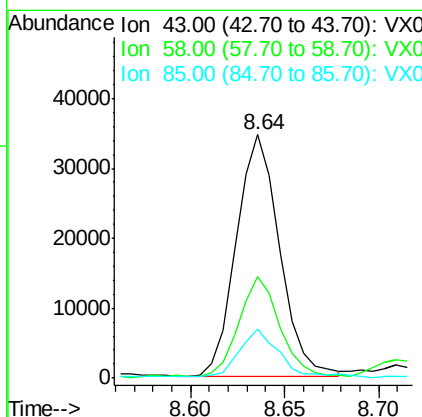
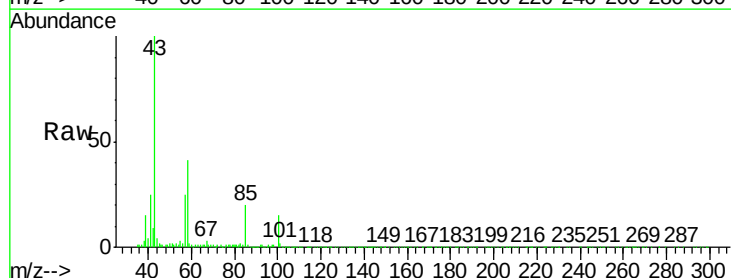
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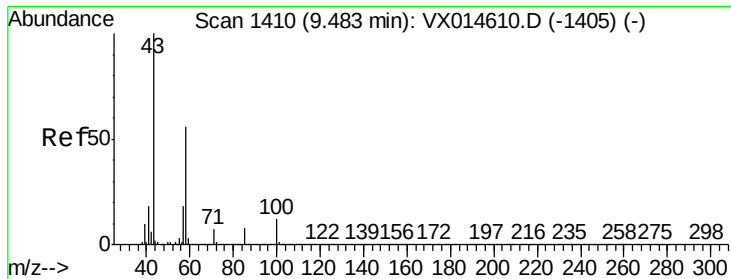
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#58
4-Methyl-2-Pentanone
Concen: 8.528 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8
85	17.8	14.2	21.2





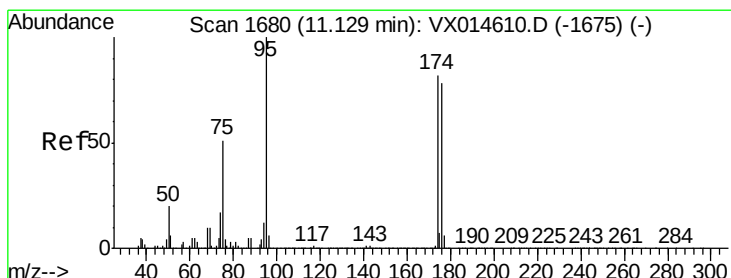
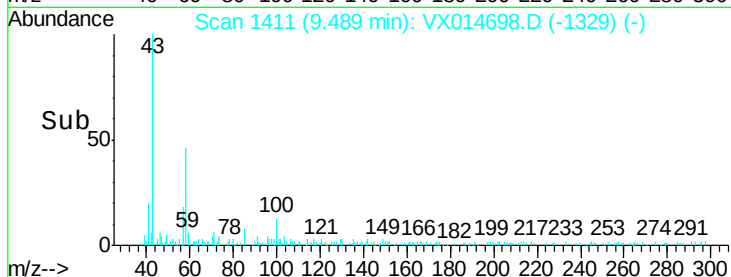
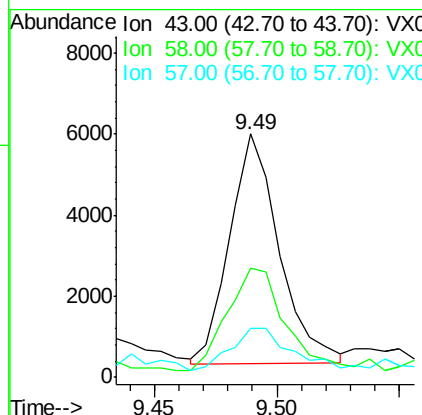
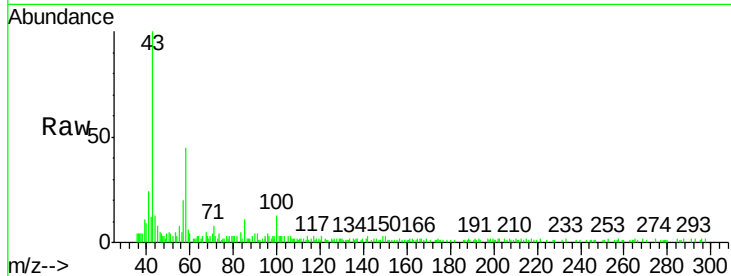
#59
2-Hexanone
Concen: 1.612 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampled :
TANK-1

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	43.8	65.6
57	21.2	15.4	23.0

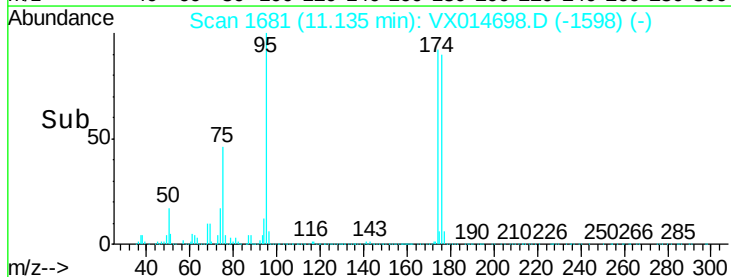
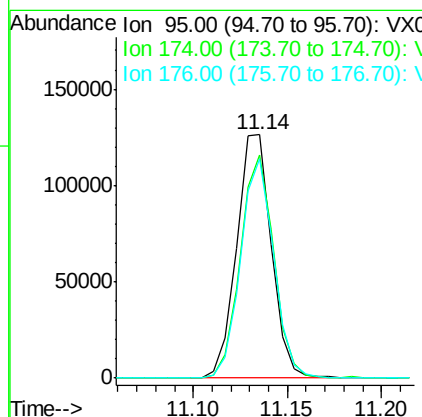
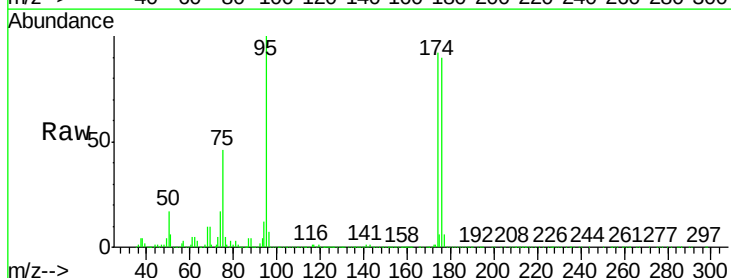
Manual Integrations
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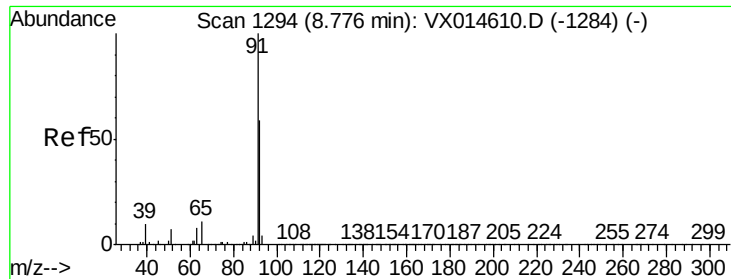
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#60
4-Bromofluorobenzene
Concen: 29.538 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	70.2	105.2
176	86.0	68.3	102.5





#62

Toluene

Concen: 16.326 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014698.D

Acq: 24 Jan 2020 15:31

Instrument :

MSVOA_X

ClientSampled :

TANK-1

Tot Ion: 91 Resp: 296299

Ion Ratio Lower Upper

91 100

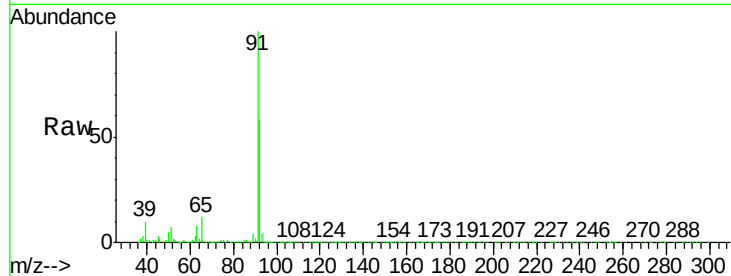
92 57.4 46.4 69.6

Manual Integrations

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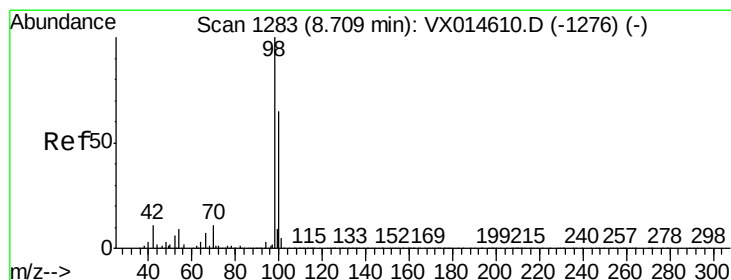
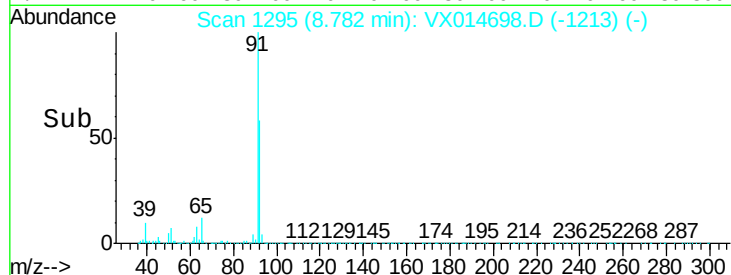
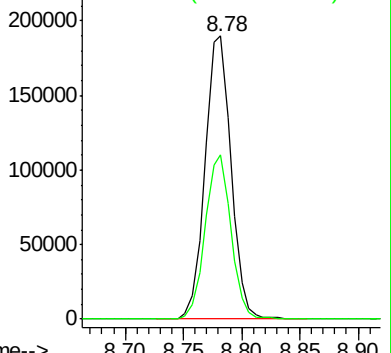
MMDadoda

1/27/2020 10:35:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 29.639 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014698.D

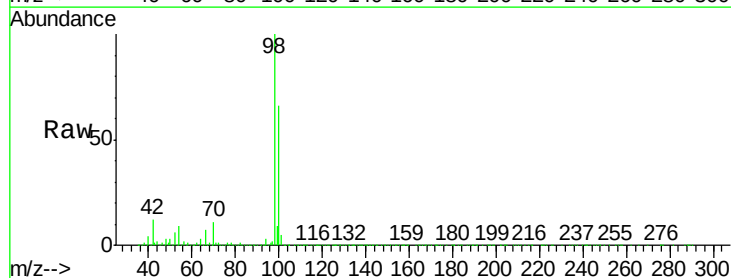
Acq: 24 Jan 2020 15:31

Tgt Ion: 98 Resp: 457967

Ion Ratio Lower Upper

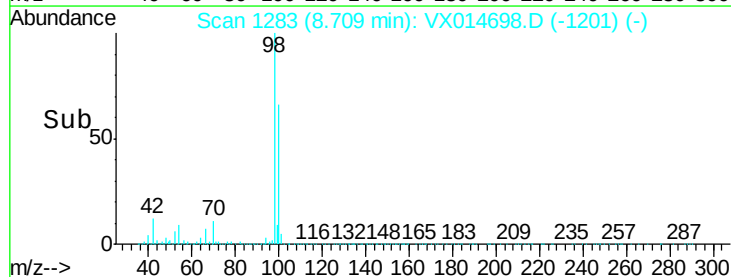
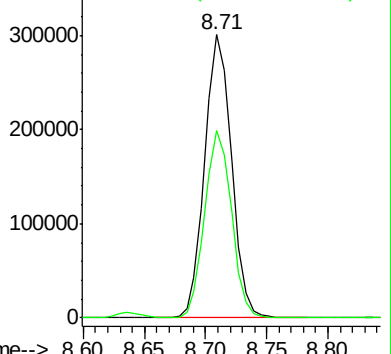
98 100

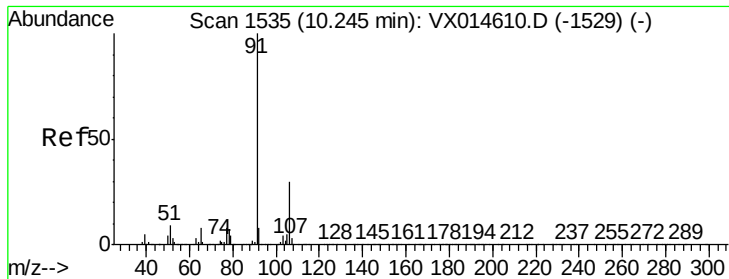
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





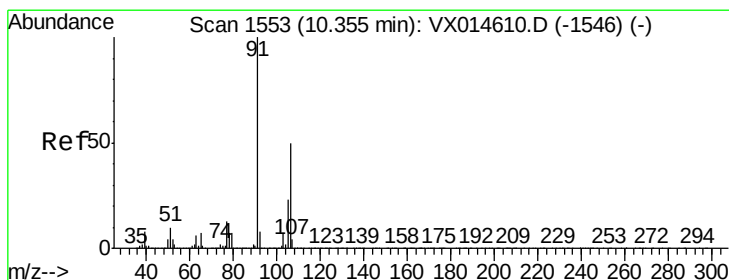
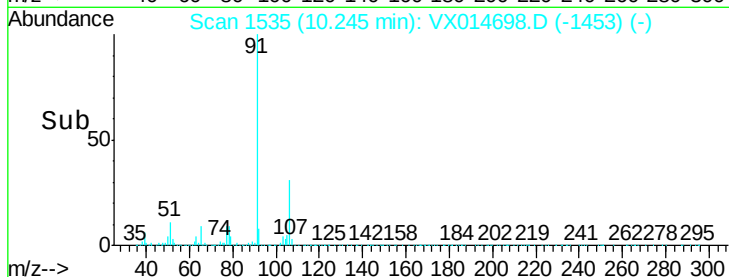
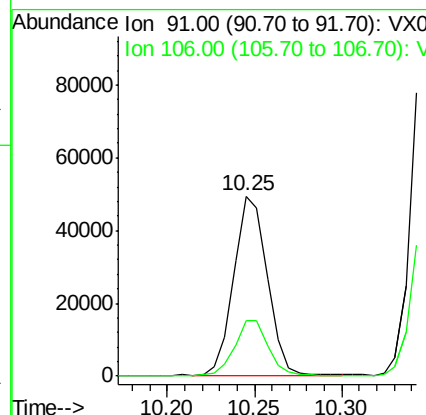
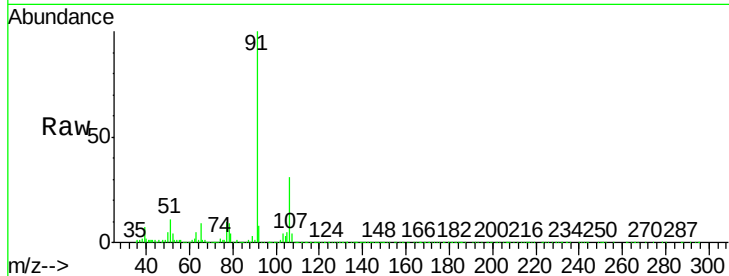
#66
Ethyl Benzene
Concen: 3.358 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion: 91 Resp: 66375
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2

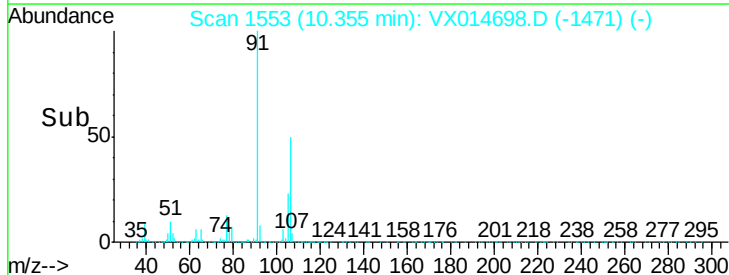
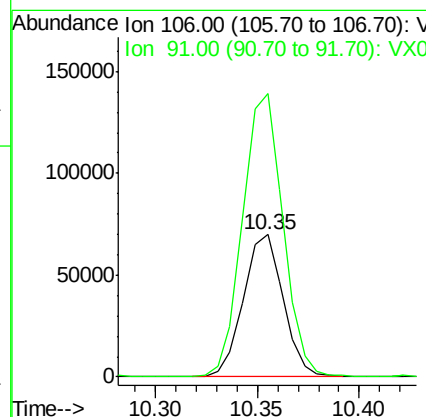
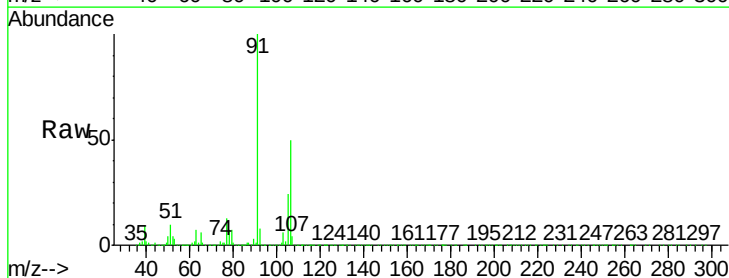
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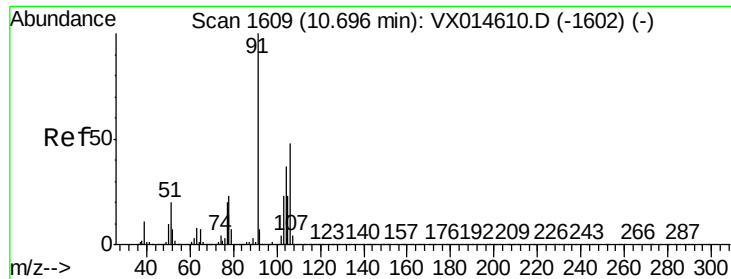
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1/27/2020 10:35:35 AM



#67
m/p-Xylenes
Concen: 12.453 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion: 106 Resp: 94296
Ion Ratio Lower Upper
106 100
91 202.0 159.3 238.9





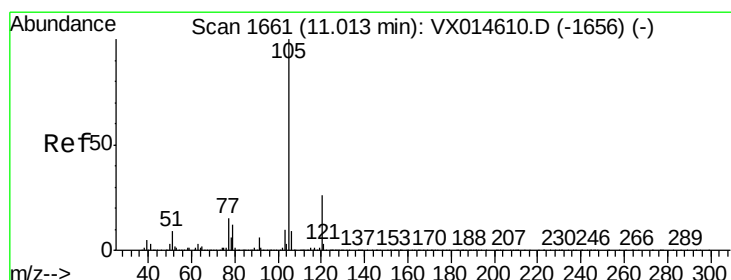
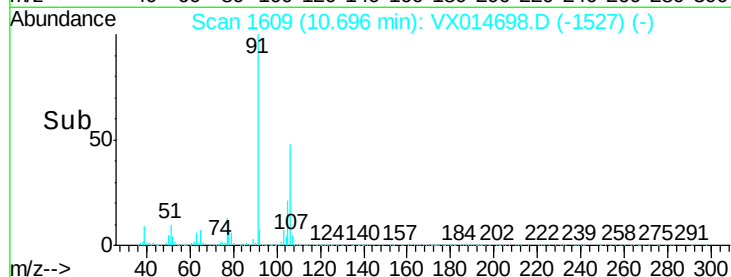
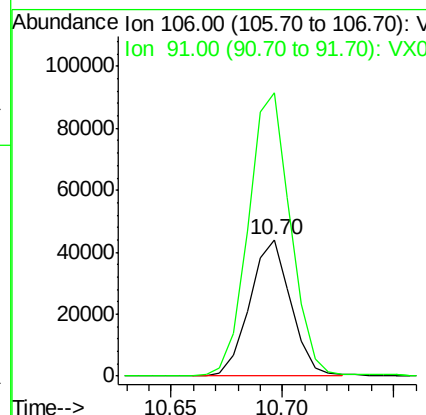
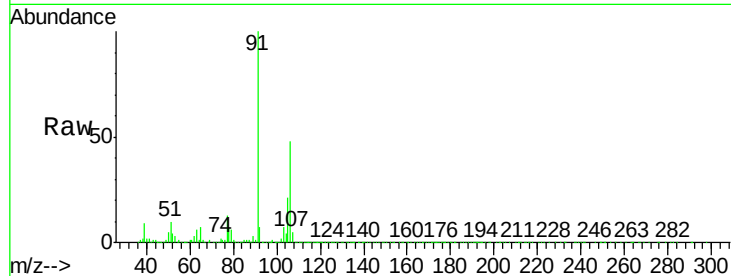
#68
o-Xylene
Concen: 7.569 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampled :
TANK-1

Tot Ion	Ratio	Resp	Lower	Upper
106	100	55811		
91	215.9	104.8	314.6	

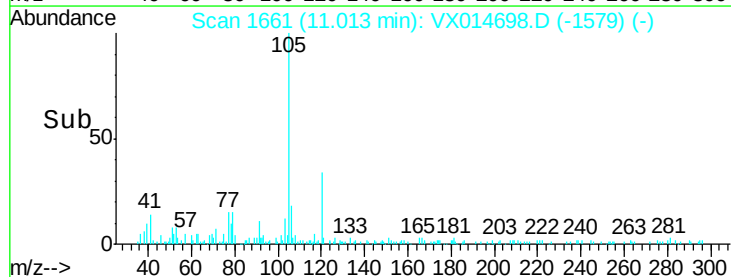
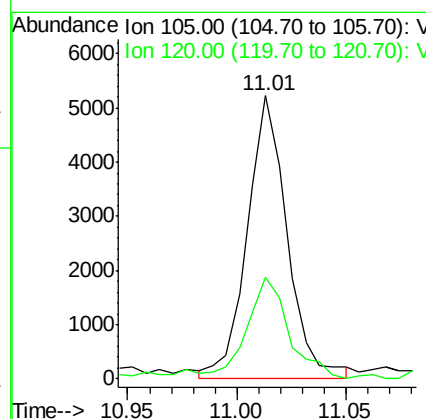
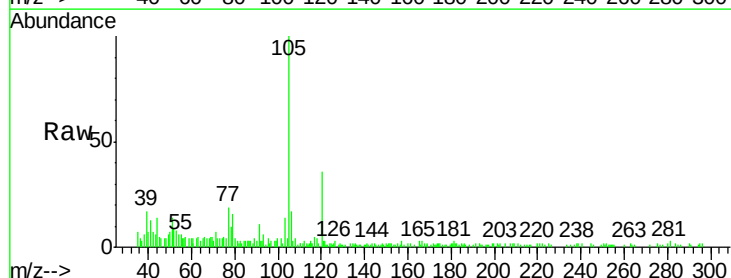
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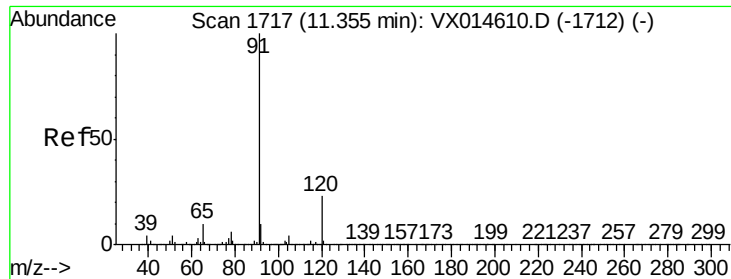
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#70
Isopropylbenzene
Concen: 0.345 ug/l m
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6662		
120	0.5	19.1	35.5#	





#74

n-propylbenzene

Concen: 0.646 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014698.D

Acq: 24 Jan 2020 15:31

Instrument :

MSVOA_X

ClientSampled :

TANK-1

Tot Ion: 91 Resp: 14251

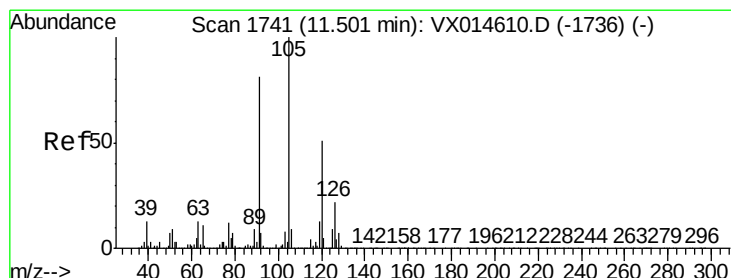
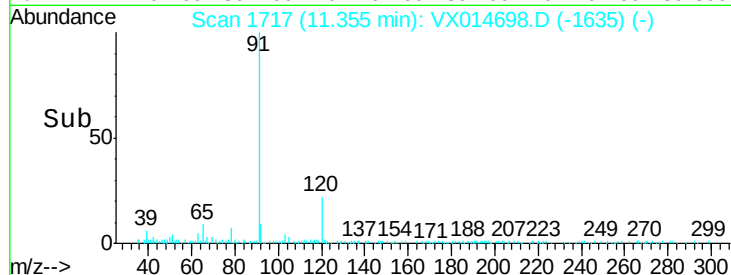
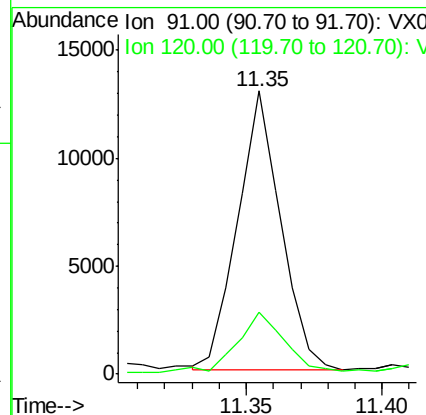
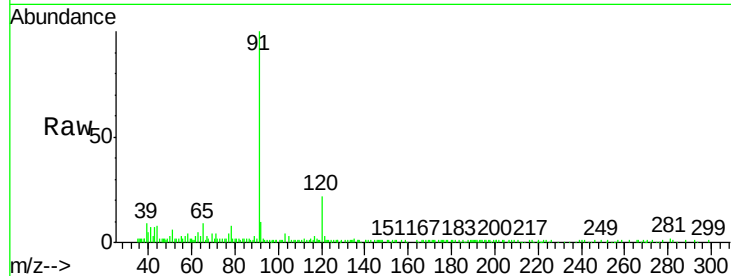
Ion Ratio Lower Upper

91 100

120 21.5 0.0 44.8

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#76

1,3,5-Trimethylbenzene

Concen: 1.495 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014698.D

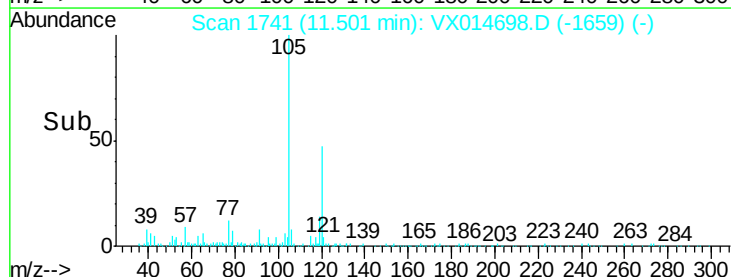
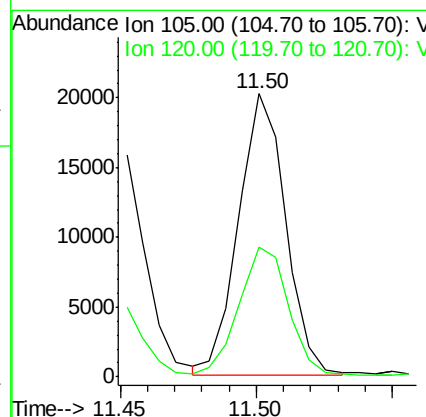
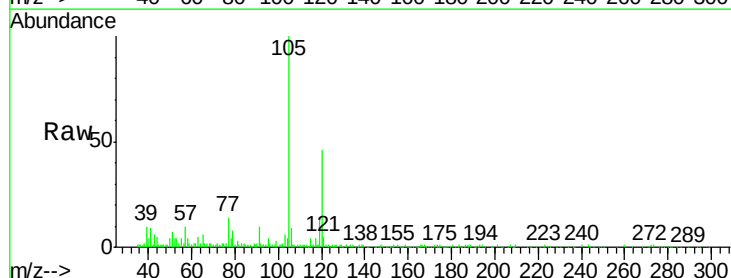
Acq: 24 Jan 2020 15:31

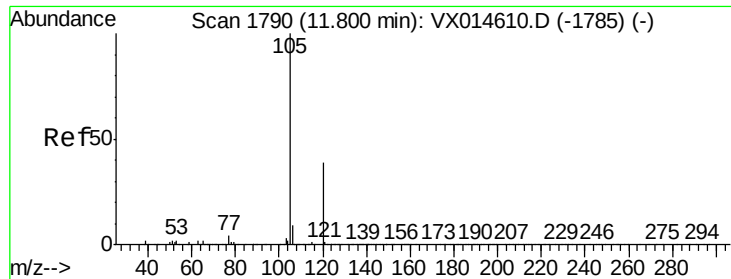
Tgt Ion: 105 Resp: 24070

Ion Ratio Lower Upper

105 100

120 49.9 0.0 100.6





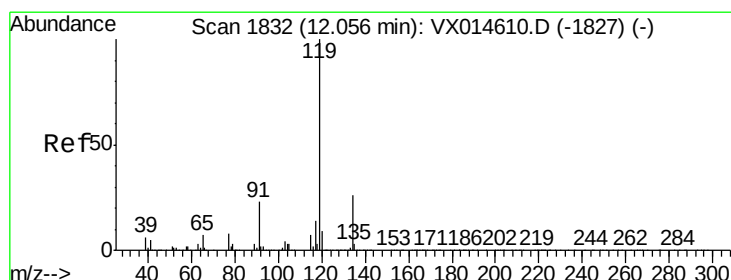
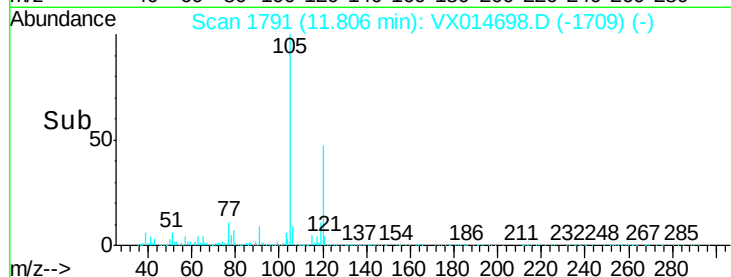
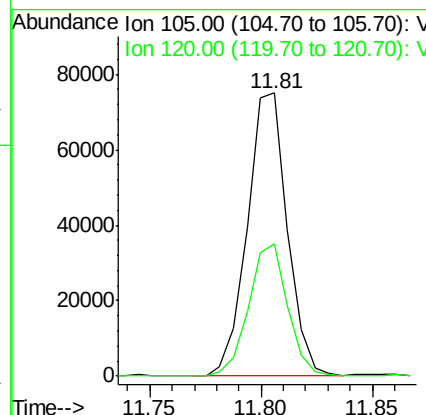
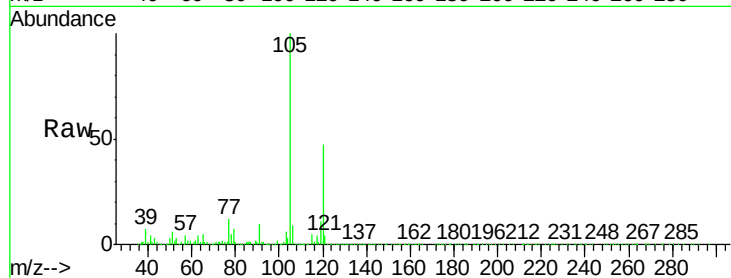
#80
 1,2,4-Trimethylbenzene
 Concen: 5.833 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX014698.D
 Acq: 24 Jan 2020 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	0.0	92.0

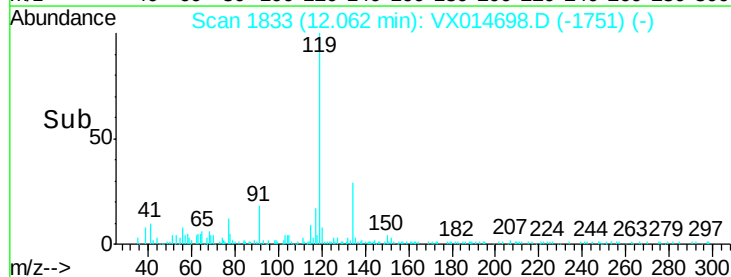
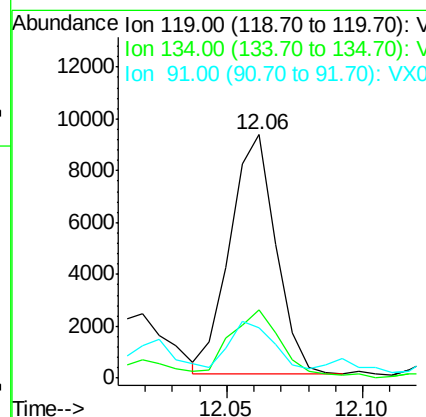
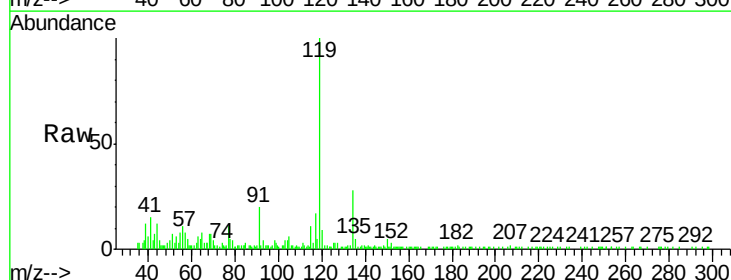
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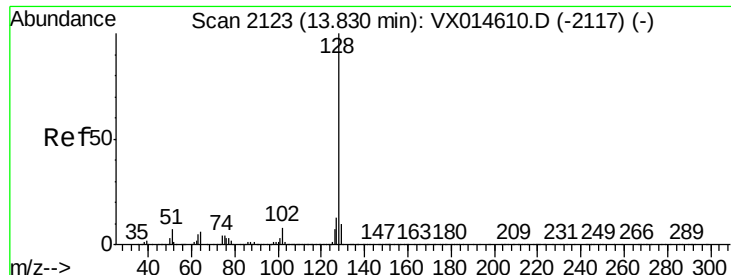
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#82
 p-Isopropyltoluene
 Concen: 0.639 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014698.D
 Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.9	0.0	53.8
91	17.7	0.0	45.0





#91
Naphthalene
Concen: 191.117 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014698.D
Acq: 24 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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