

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010919\
 Data File : VX006959.D
 Acq On : 09 Jan 2019 11:52
 Operator : JC/MD
 Sample : VX0109WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 10:54:09 AM

Quant Time: Jan 10 01:17:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	574332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	862855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	750141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	379018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	303998	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	270240	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	966754	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.13	95	333113	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	100124	21.229	ug/l 100
3) Chloromethane	1.33	50	105837	19.276	ug/l 99
4) Vinyl Chloride	1.41	62	114662	19.414	ug/l 98
5) Bromomethane	1.64	94	116240	18.421	ug/l 96
6) Chloroethane	1.72	64	75859	18.395	ug/l 97
7) Trichlorofluoromethane	1.93	101	184760	19.361	ug/l 98
8) Diethyl Ether	2.19	74	71243	18.765	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	110195	19.287	ug/l 98
10) Methyl Iodide	2.51	142	152262	19.757	ug/l 99
11) Tert butyl alcohol	3.07	59	140156	98.988	ug/l 100
12) 1,1-Dichloroethene	2.38	96	101400	19.210	ug/l 100
13) Acrolein	2.30	56	58298	97.375	ug/l 96
14) Allyl chloride	2.73	41	174520	19.292	ug/l 98
15) Acrylonitrile	3.15	53	318457	97.975	ug/l 99
16) Acetone	2.45	43	293268	98.832	ug/l 100
17) Carbon Disulfide	2.57	76	248628	18.295	ug/l 100
18) Methyl Acetate	2.78	43	163718	19.052	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	354410	19.344	ug/l 100
20) Methylene Chloride	2.86	84	112780	19.639	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	109932	18.688	ug/l 95
22) Diisopropyl ether	3.87	45	324001	19.051	ug/l 95
23) Vinyl Acetate	3.82	43	1372222	95.675	ug/l 99
24) 1,1-Dichloroethane	3.70	63	183089	19.253	ug/l 99
25) 2-Butanone	4.70	43	419370	98.773	ug/l 97
26) 2,2-Dichloropropane	4.59	77	138235	18.903	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	123101	18.972	ug/l 99
28) Bromochloromethane	5.01	49	79106	18.986	ug/l 97
29) Tetrahydrofuran	5.15	42	268532	97.321	ug/l 98
30) Chloroform	5.22	83	192056	19.289	ug/l 96
31) Cyclohexane	5.58	56	164623	19.450	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	162986	19.312	ug/l 98
36) 1,1-Dichloropropene	5.80	75	141203	18.823	ug/l 99
37) Ethyl Acetate	4.86	43	156176	19.418	ug/l 99
38) Carbon Tetrachloride	5.78	117	138464	18.345	ug/l 94

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jan 10 01:17:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	174130	18.207	ug/l	98
40) Benzene	6.14	78	430709	18.816	ug/l	98
41) Methacrylonitrile	5.06	41	84675	18.276	ug/l	99
42) 1,2-Dichloroethane	6.20	62	145653	18.414	ug/l	99
43) Isopropyl Acetate	6.46	43	240889	18.988	ug/l	98
44) Trichloroethene	7.21	130	126230	18.403	ug/l	98
45) 1,2-Dichloropropane	7.52	63	107393	18.662	ug/l	99
46) Dibromomethane	7.66	93	77884	19.257	ug/l	99
47) Bromodichloromethane	7.90	83	127148	18.469	ug/l	97
48) Methyl methacrylate	7.77	41	123865	19.013	ug/l	97
49) 1,4-Dioxane	7.75	88	55822	369.794	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	781440	95.848	ug/l	99
52) Toluene	8.79	92	269160	18.295	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	139851	18.320	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	158561	18.809	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115705	19.648	ug/l	98
56) Ethyl methacrylate	9.18	69	159068	18.503	ug/l	95
57) 1,3-Dichloropropane	9.37	76	182604	18.928	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	447114	101.153	ug/l	99
59) 2-Hexanone	9.49	43	604775	97.341	ug/l	99
60) Dibromochloromethane	9.59	129	106265	18.584	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122689	18.925	ug/l	99
64) Tetrachloroethene	9.34	164	123652	19.039	ug/l	99
65) Chlorobenzene	10.14	112	307141	18.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106873	19.418	ug/l	99
67) Ethyl Benzene	10.25	91	506061	18.736	ug/l	100
68) m/p-Xylenes	10.36	106	397562	37.360	ug/l	100
69) o-Xylene	10.70	106	192533	18.552	ug/l	96
70) Styrene	10.71	104	308776	18.786	ug/l	99
71) Bromoform	10.86	173	78387	19.141	ug/l #	98
73) Isopropylbenzene	11.02	105	514264	19.242	ug/l	100
74) N-amyl acetate	10.90	43	210329	19.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	161550	19.040	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	153712m	20.013	ug/l	
77) Bromobenzene	11.26	156	139492	18.942	ug/l	100
78) n-propylbenzene	11.36	91	559938	19.085	ug/l	100
79) 2-Chlorotoluene	11.42	91	332415	18.822	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	421158	18.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40534	18.504	ug/l	94
82) 4-Chlorotoluene	11.51	91	386955	18.923	ug/l	100
83) tert-Butylbenzene	11.77	119	425118	19.080	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	431862	19.231	ug/l	100
85) sec-Butylbenzene	11.94	105	505792	19.008	ug/l	100
86) p-Isopropyltoluene	12.07	119	454847	19.110	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	245954	18.478	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	246157	19.607	ug/l	98
89) n-Butylbenzene	12.39	91	381799	18.817	ug/l	98
90) Hexachloroethane	12.60	117	62923	18.505	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	243811	18.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32528	19.384	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Jan 10 01:17:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	166956	18.526	ug/l	99
94) Hexachlorobutadiene	13.78	225	75819	18.959	ug/l	97
95) Naphthalene	13.83	128	519192	19.013	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	164399	18.364	ug/l	99

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

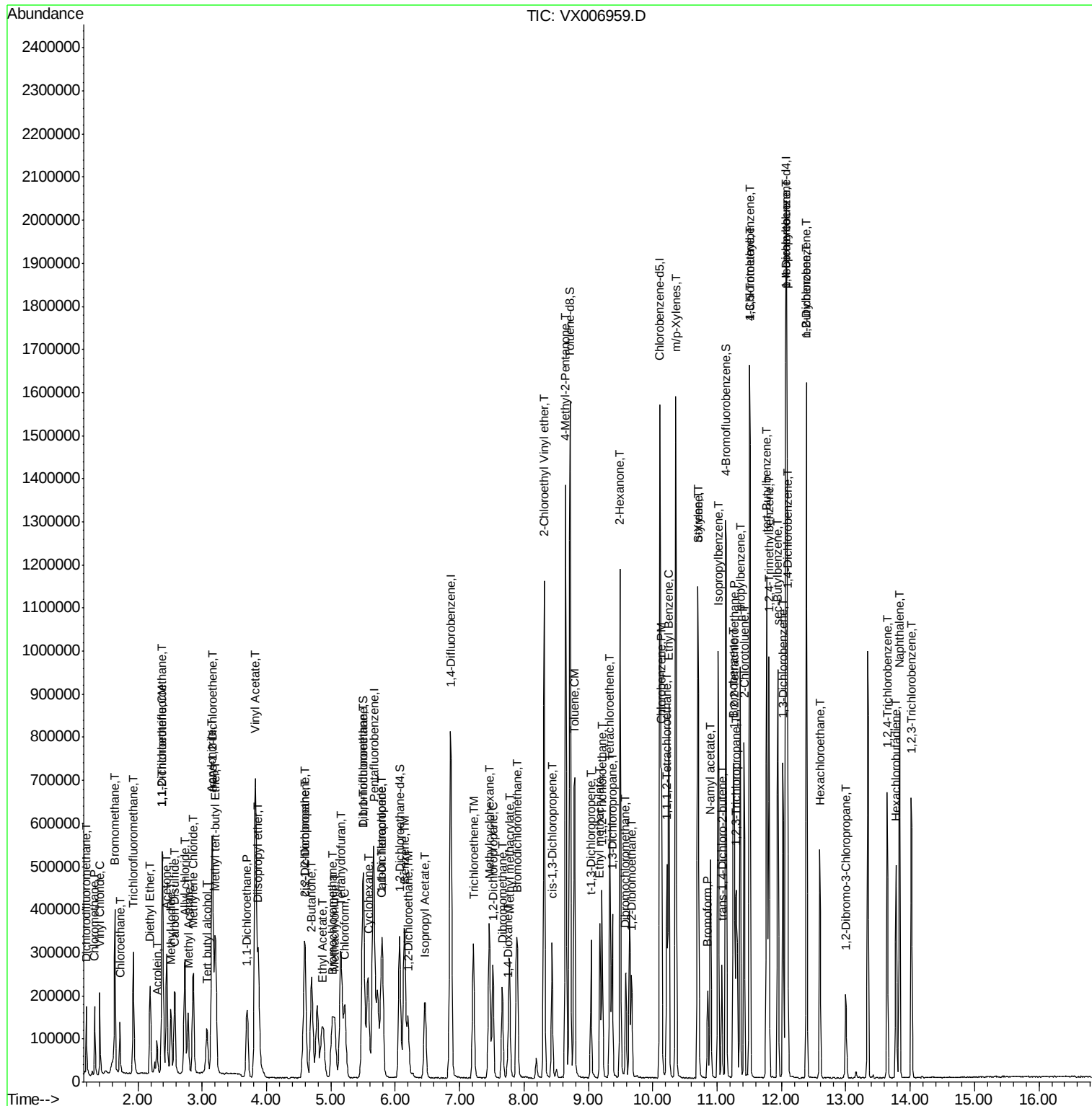
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Data File : VX006959.D
Acq On : 09 Jan 2019 11:52
Operator : JC/MD
Sample : VX0109WBS01
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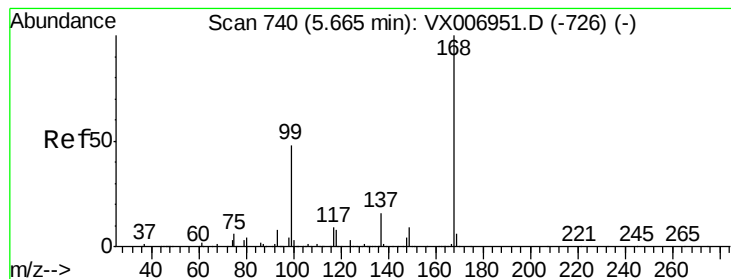
Instrument :
MSVOA_X
Client Sampled :
VX0109WBS01

Manual Integrations
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1/10/2019 10:54:09 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion:168 Resp: 574332

Ion Ratio Lower Upper

168 100

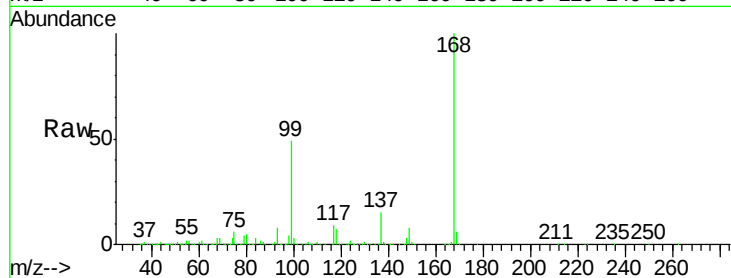
99 48.8 41.8 62.8

Manual Integrations

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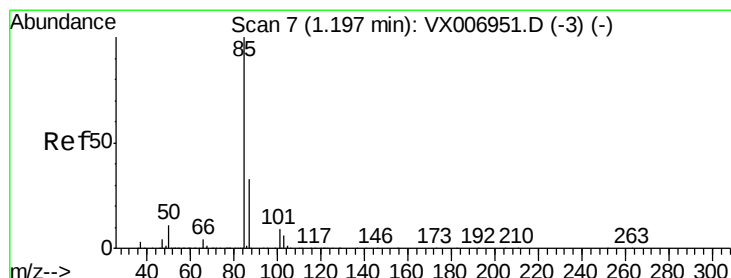
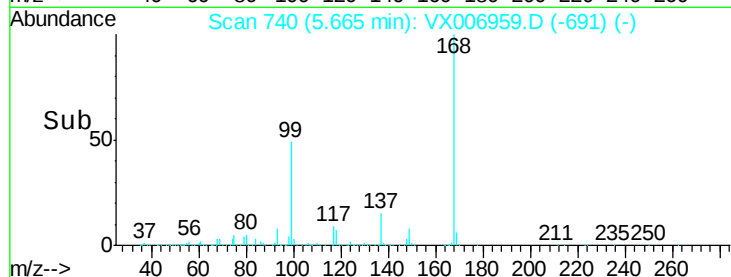
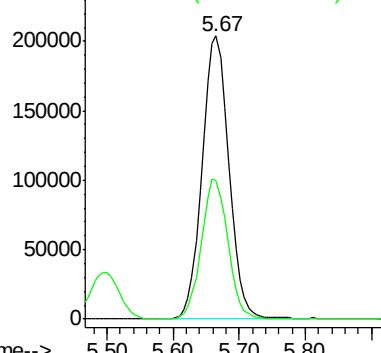
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1/10/2019 10:54:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.229 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006959.D

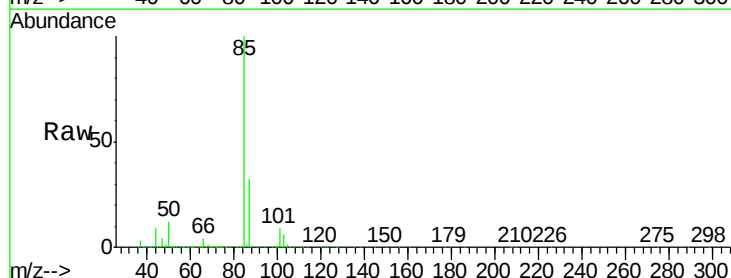
Acq: 09 Jan 2019 11:52

Tgt Ion: 85 Resp: 100124

Ion Ratio Lower Upper

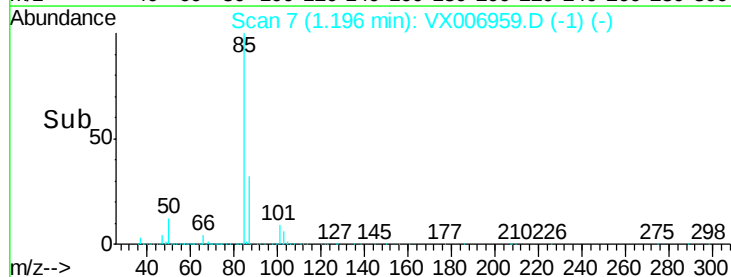
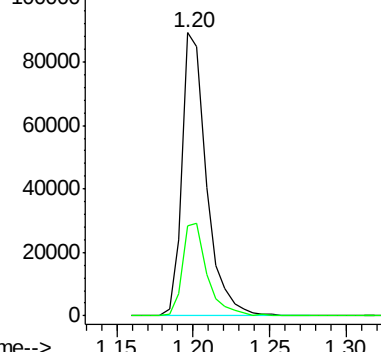
85 100

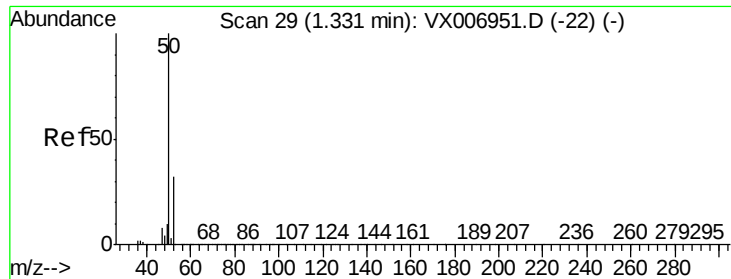
87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





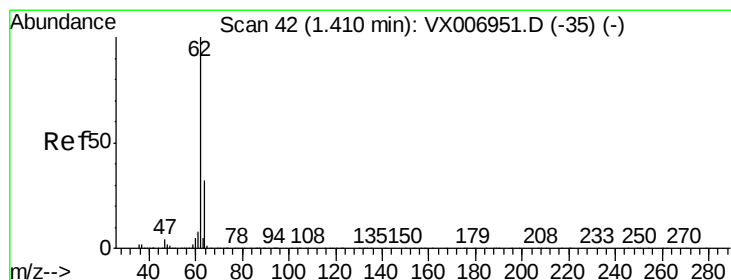
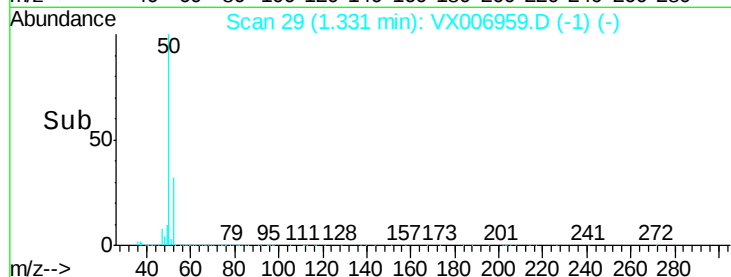
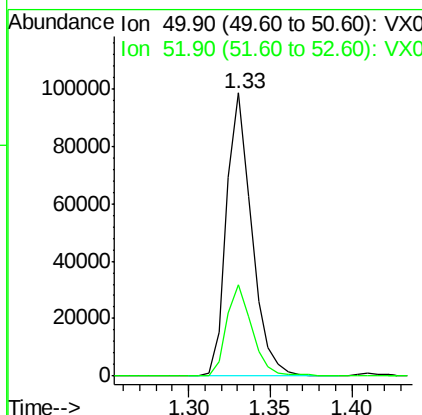
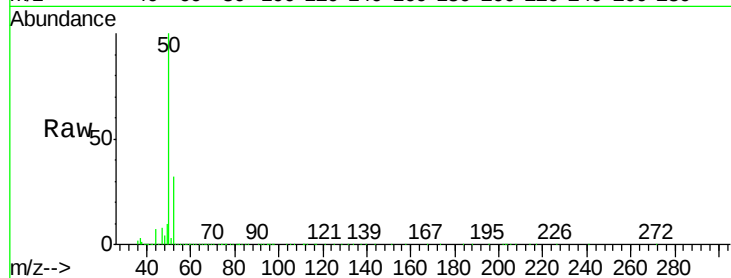
#3
Chloromethane
Concen: 19.276 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	50	Resp	105837
Ion Ratio	100	Lower	Upper
52	32.3	25.4	38.2

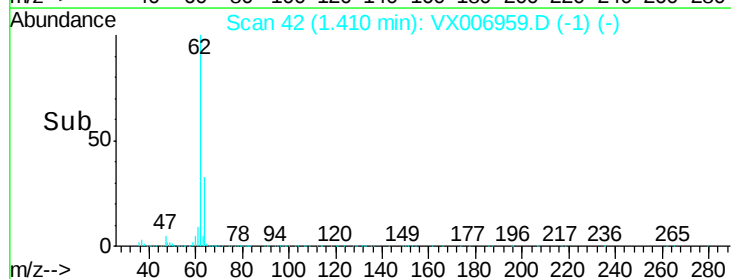
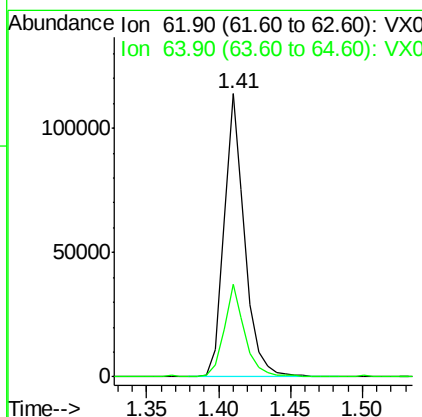
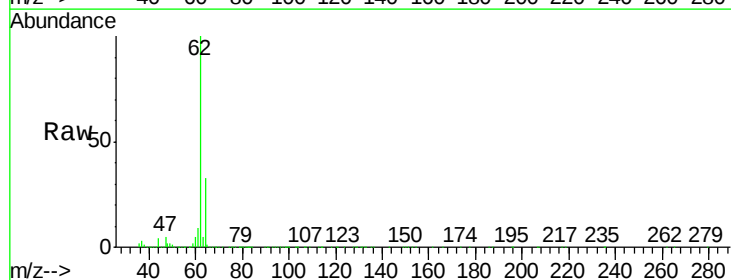
Manual Integrations
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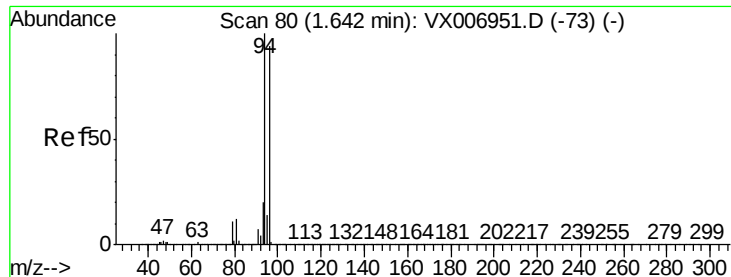
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1/10/2019 10:54:09 AM



#4
Vinyl Chloride
Concen: 19.414 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	62	Resp	114662
Ion Ratio	100	Lower	Upper
64	32.6	25.1	37.7





#5

Bromomethane

Concen: 18.421 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0109WBS01

Tot Ion: 94 Resp: 116240

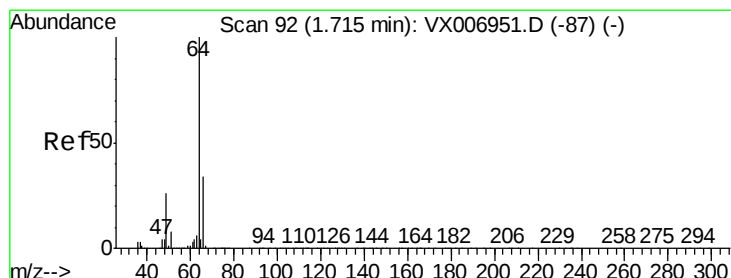
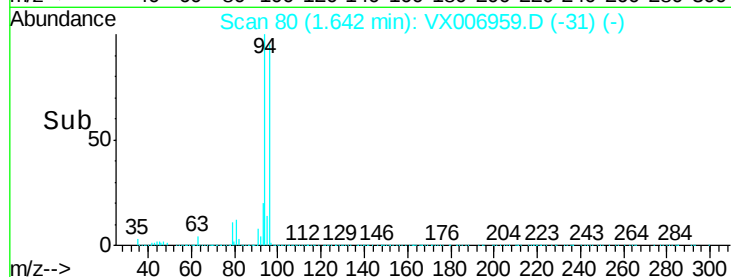
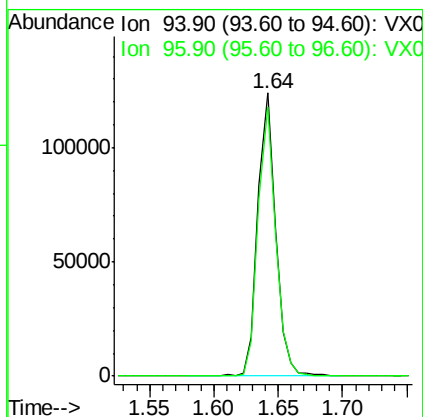
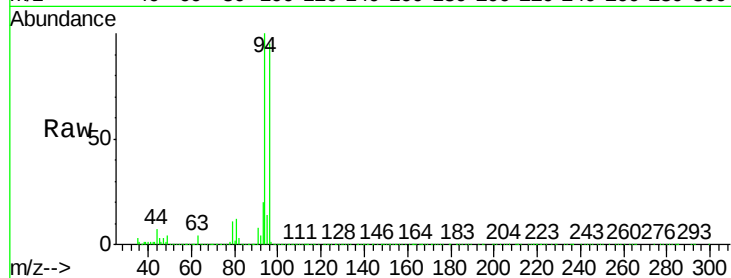
Ion Ratio Lower Upper

94 100

96 95.4 73.4 110.2

Manual Integrations
APPROVED

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1/10/2019 10:54:09 AM



#6

Chloroethane

Concen: 18.395 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006959.D

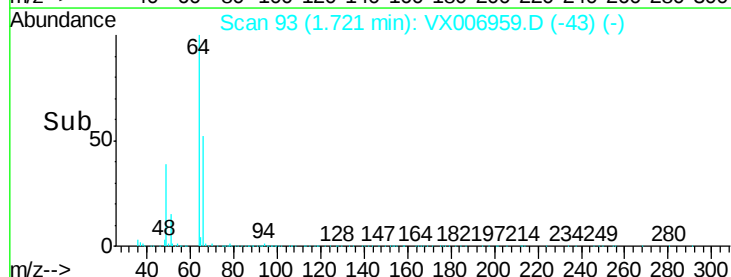
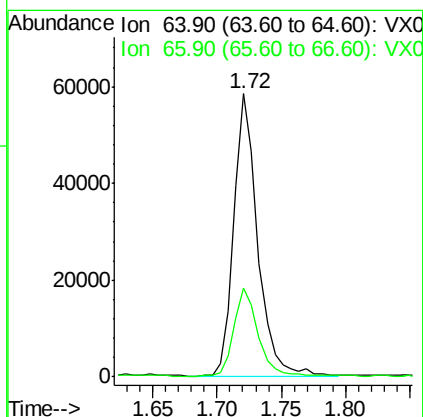
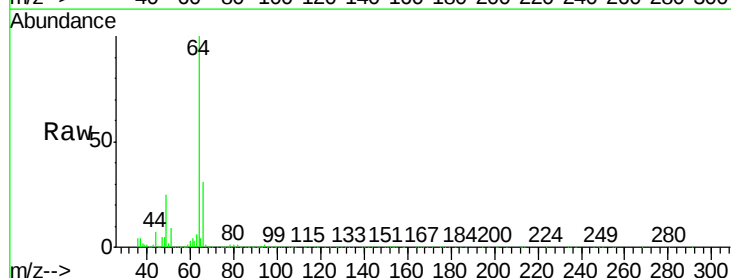
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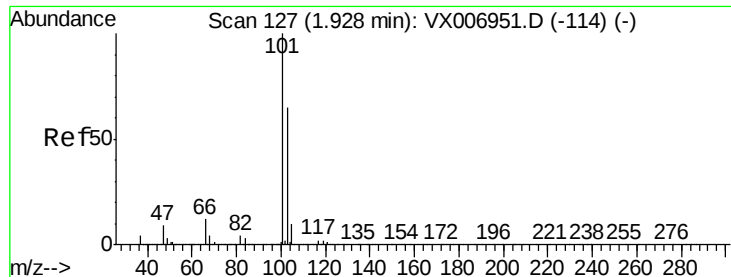
Tgt Ion: 64 Resp: 75859

Ion Ratio Lower Upper

64 100

66 31.1 26.4 39.6





#7

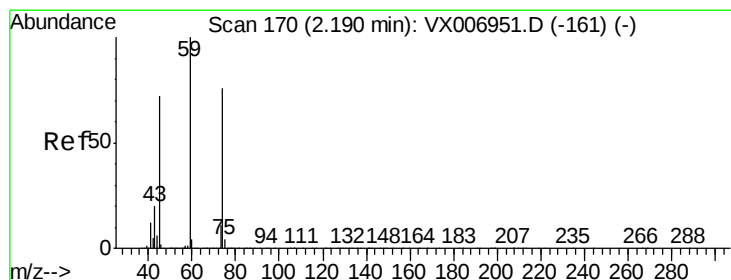
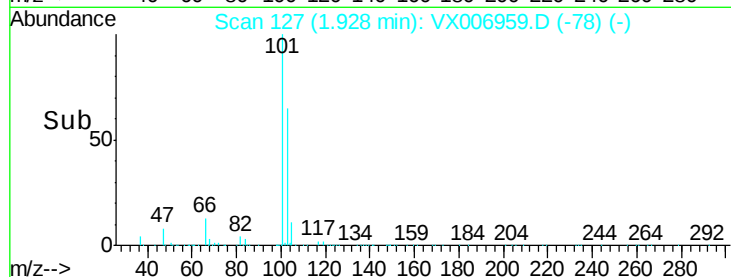
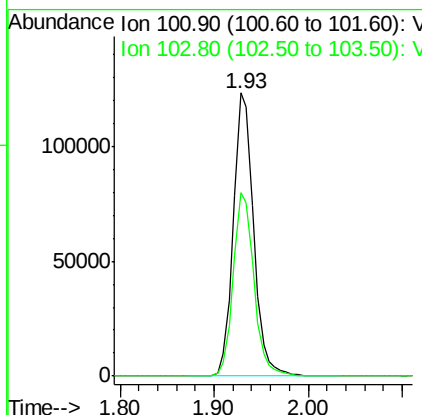
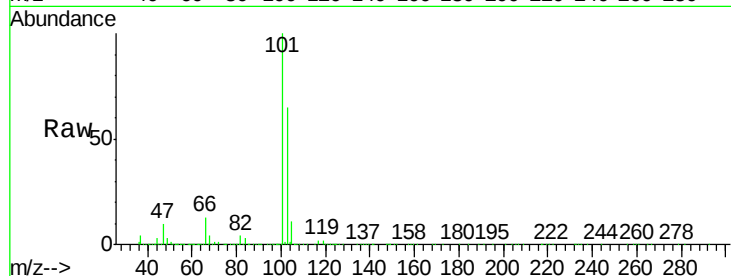
Trichlorofluoromethane
Concen: 19.361 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.2	79.8

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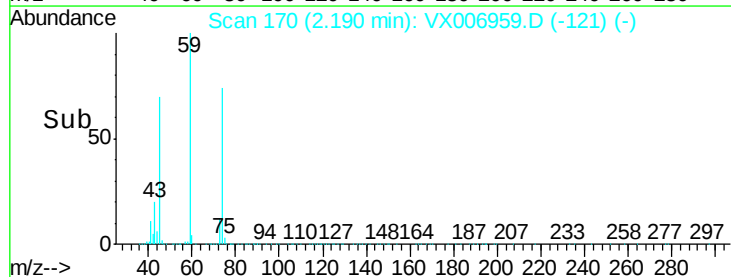
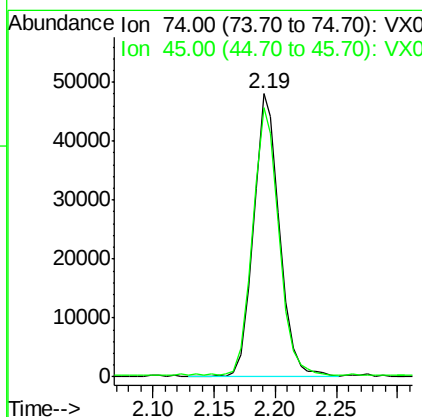
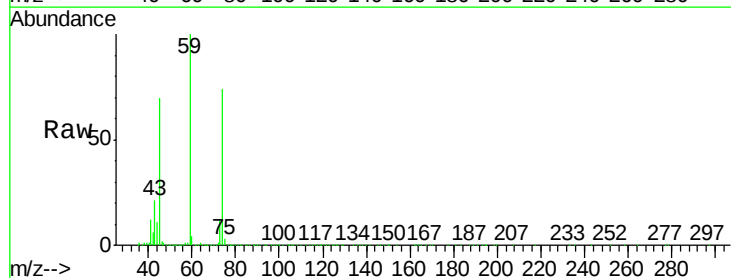
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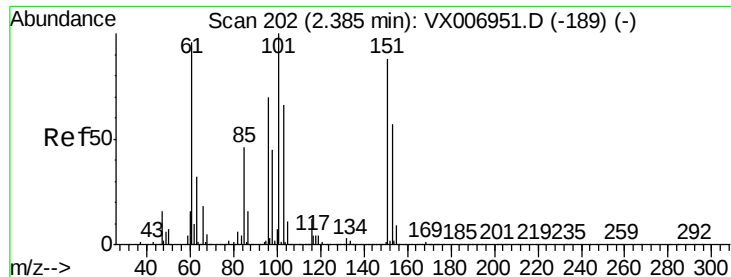


#8

Diethyl Ether
Concen: 18.765 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.287 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

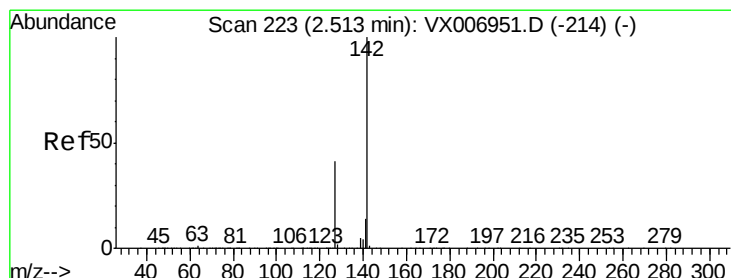
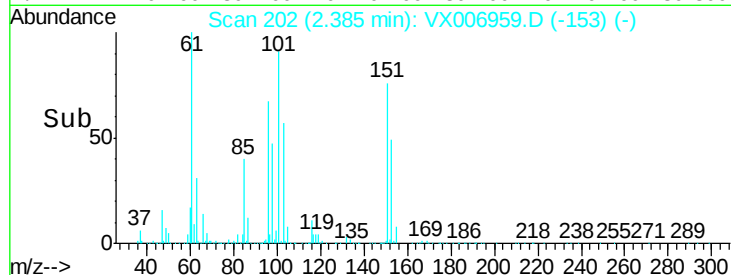
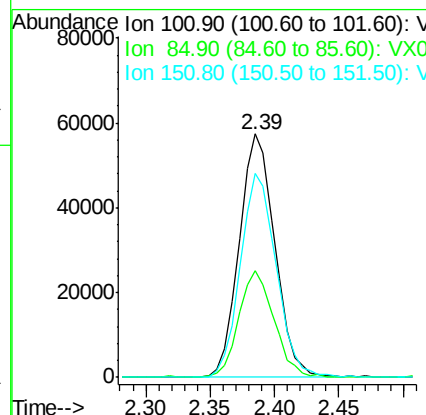
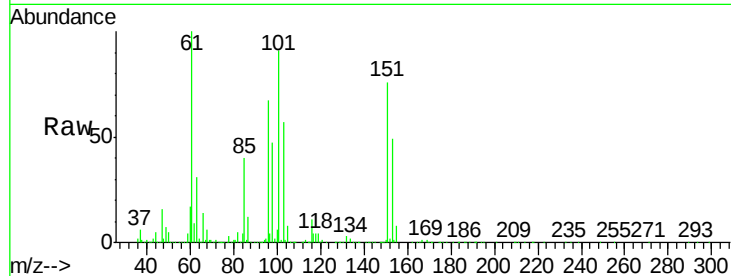
ClientSampleId :

VX0109WBS01

Tot Ion:	101	Resp:	110195
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.1	52.7
151	84.6	68.9	103.3

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#10

Methyl Iodide

Concen: 19.757 ug/l

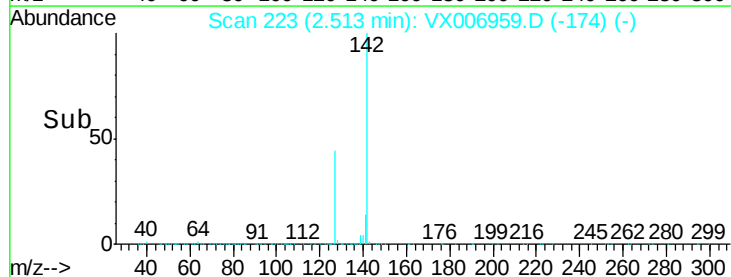
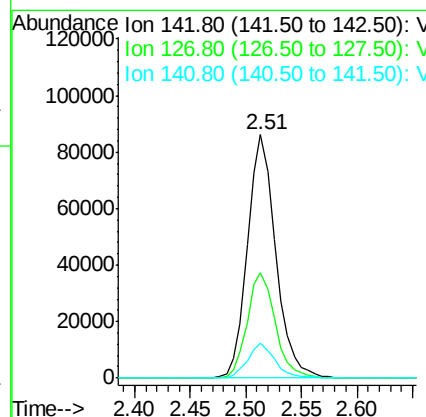
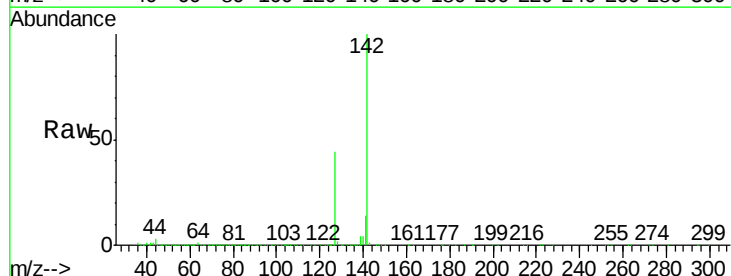
RT: 2.51 min Scan# 223

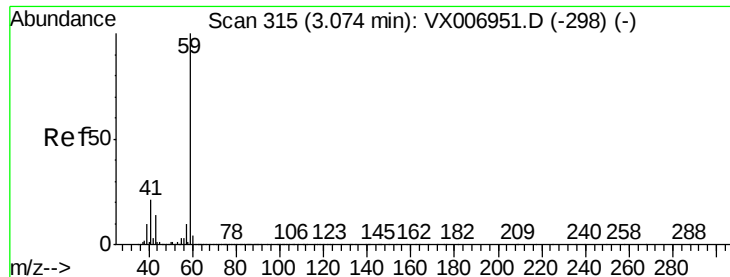
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	142	Resp:	152262
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.9	50.9
141	13.9	11.4	17.0





#11

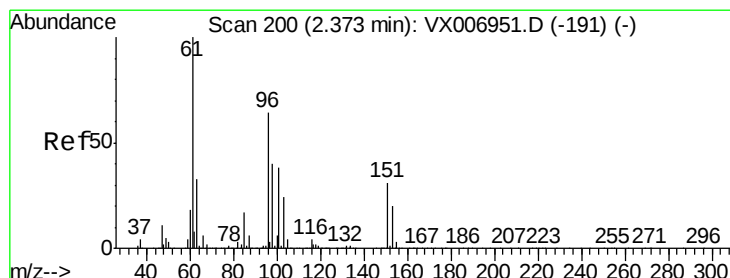
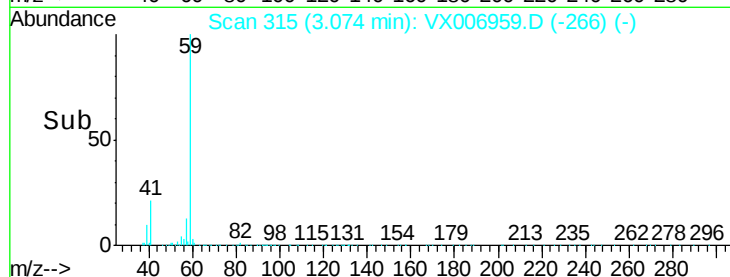
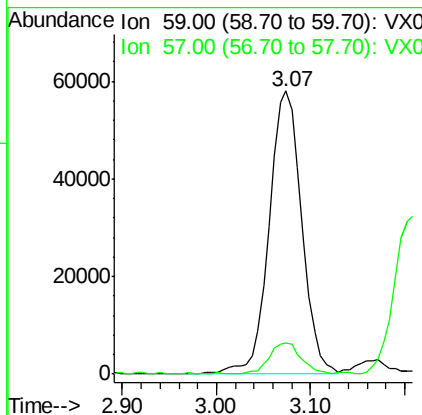
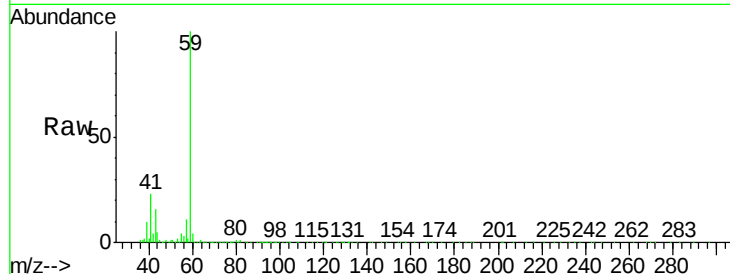
Tert butyl alcohol
Concen: 98.988 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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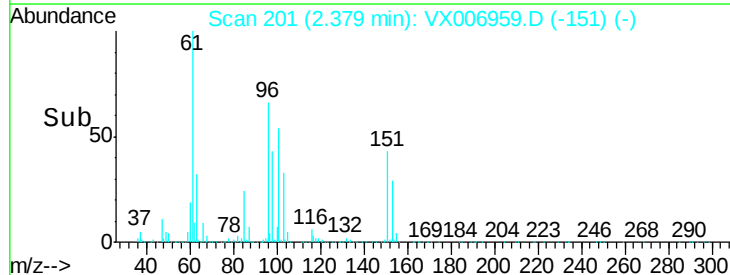
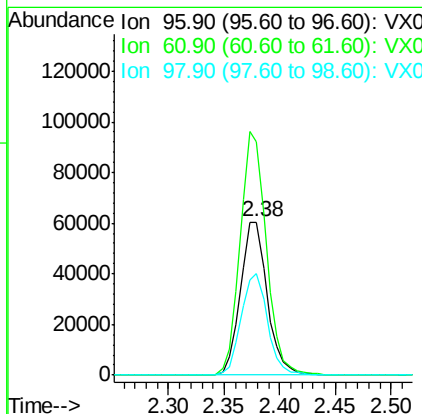
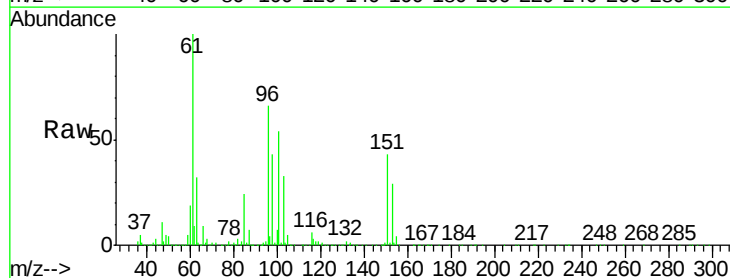
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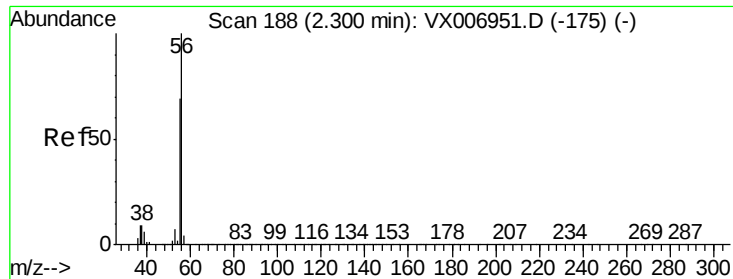


#12

1,1-Dichloroethene
Concen: 19.210 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	121.4	182.2
98	65.9	51.9	77.9





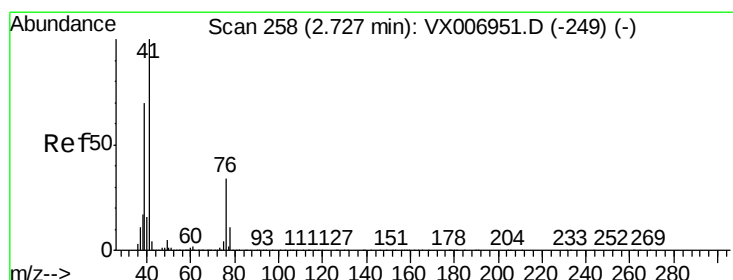
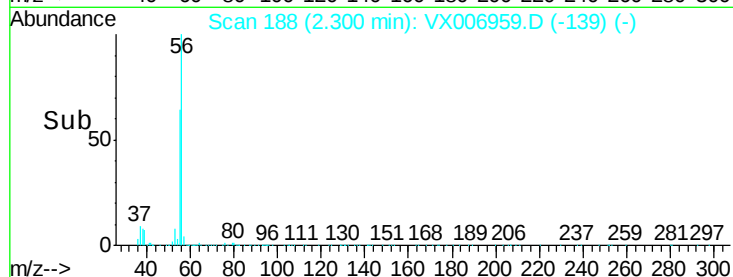
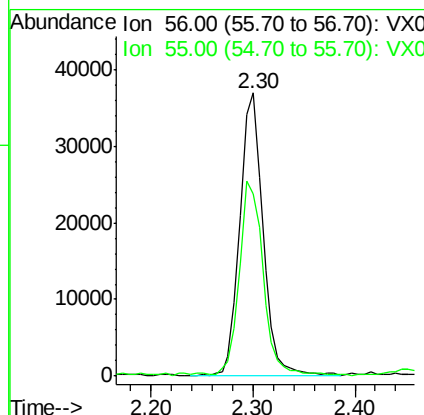
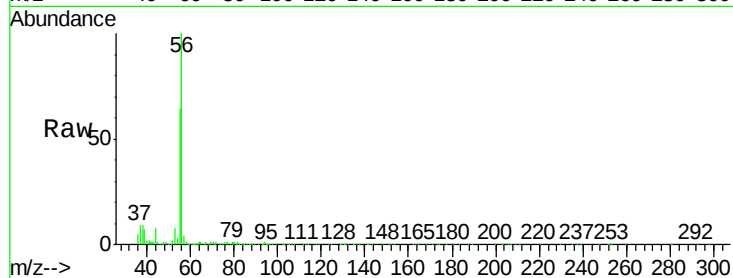
#13
Acrolein
Concen: 97.375 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	56	Resp	58298
Ion Ratio	100	Lower	Upper
55	69.0	58.2	87.4

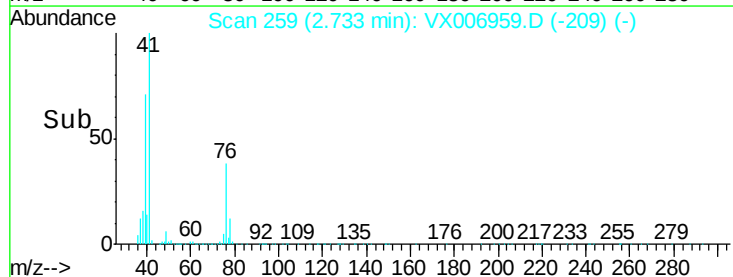
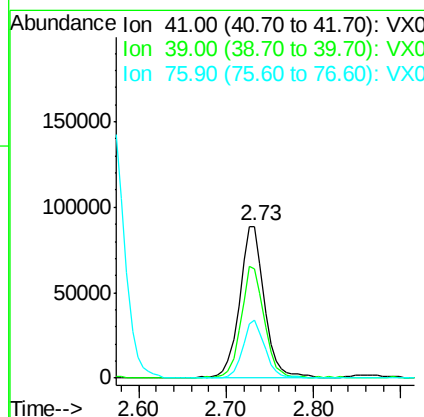
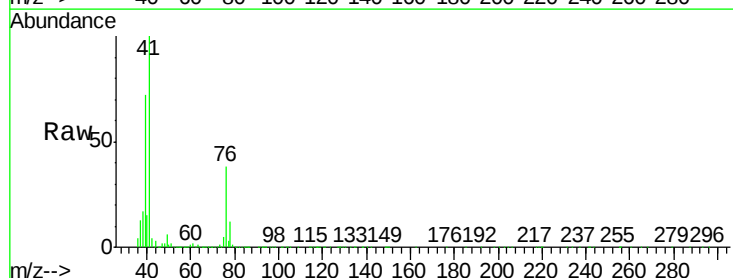
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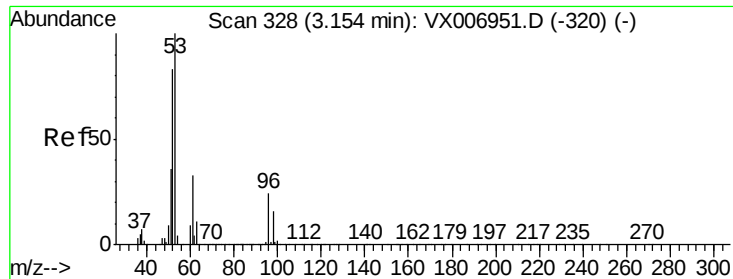
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#14
Allyl chloride
Concen: 19.292 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	41	Resp	174520
Ion Ratio	100	Lower	Upper
39	68.6	53.6	80.4
76	33.6	27.4	41.2





#15

Acrylonitrile

Concen: 97.975 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

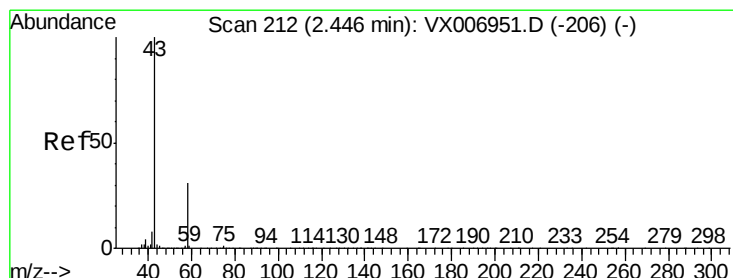
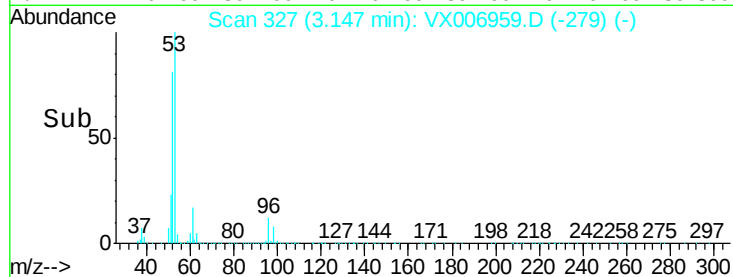
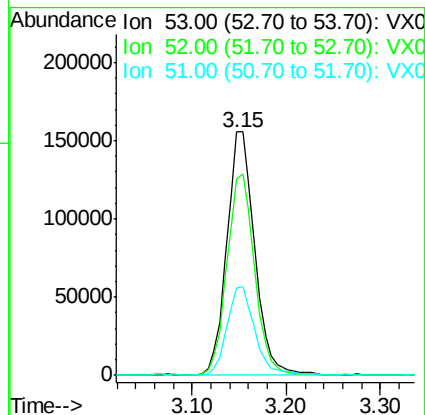
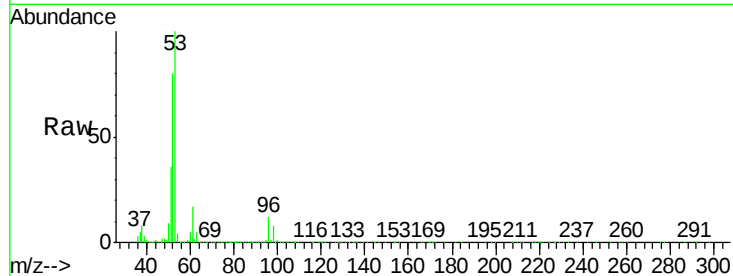
ClientSampleId :

VX0109WBS01

Tot Ion:	53	Resp:	318457
Ion Ratio		Lower	Upper
53	100		
52	82.0	66.0	99.0
51	36.1	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 98.832 ug/l

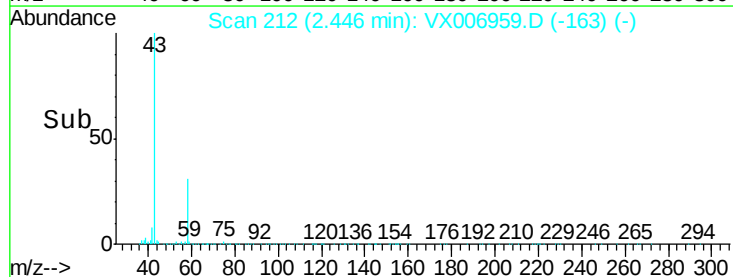
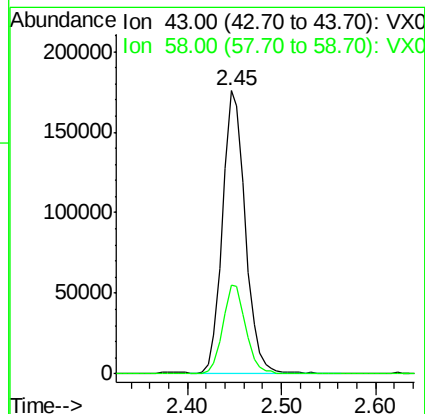
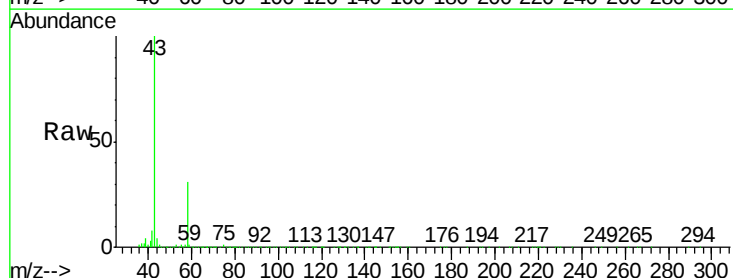
RT: 2.45 min Scan# 212

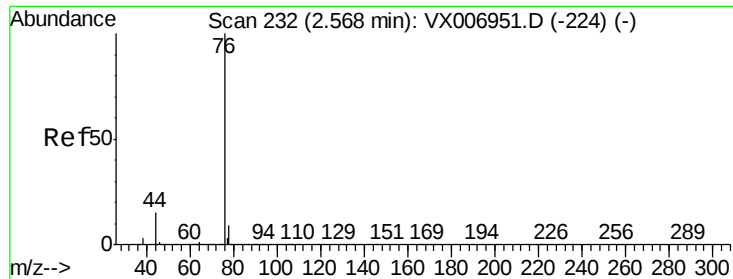
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	43	Resp:	293268
Ion Ratio		Lower	Upper
43	100		
58	31.3	25.0	37.6





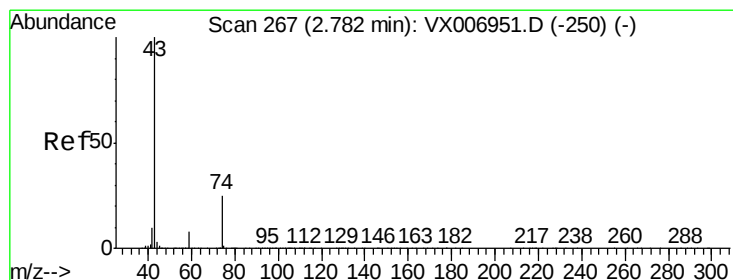
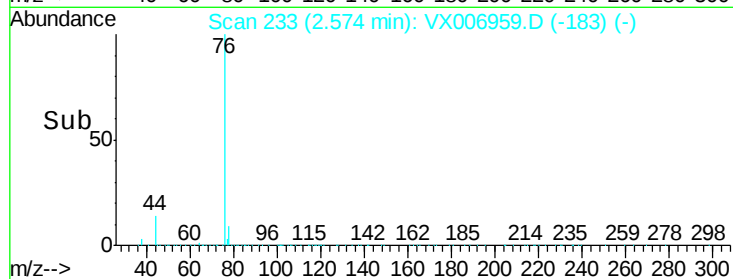
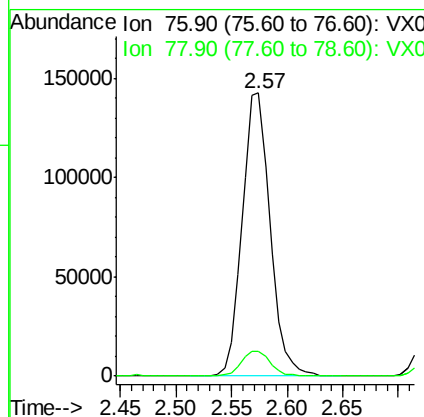
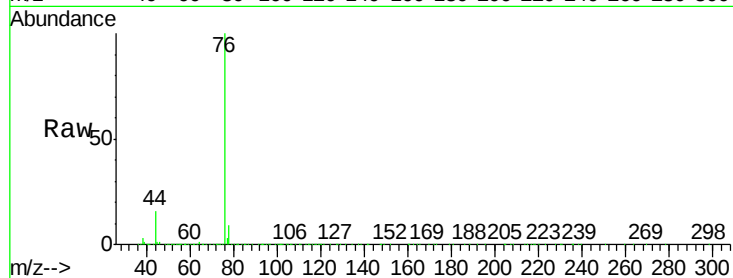
#17
Carbon Disulfide
Concen: 18.295 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

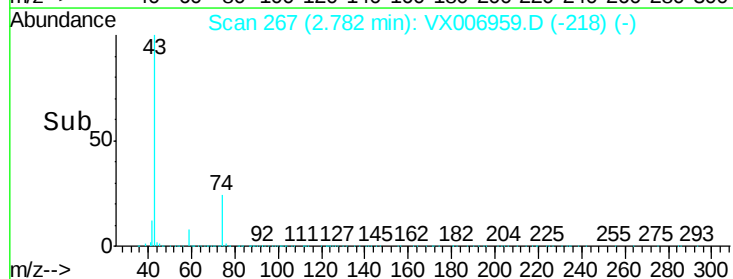
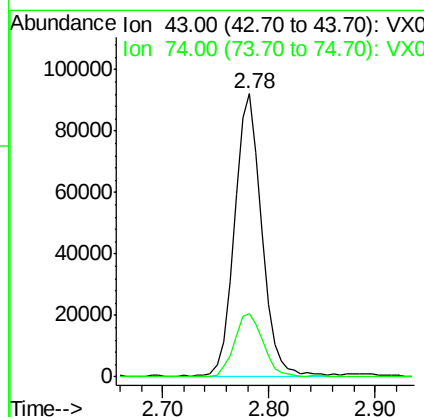
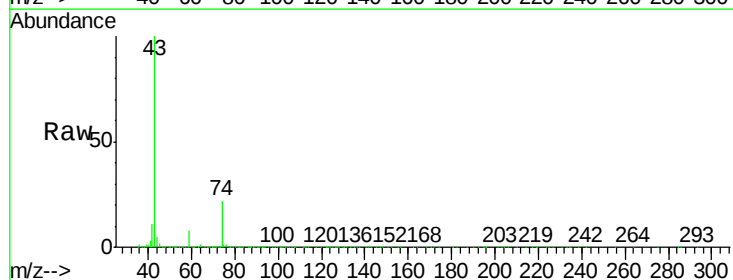
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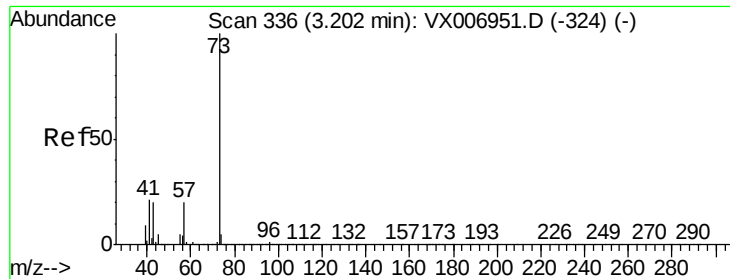
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#18
Methyl Acetate
Concen: 19.052 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0





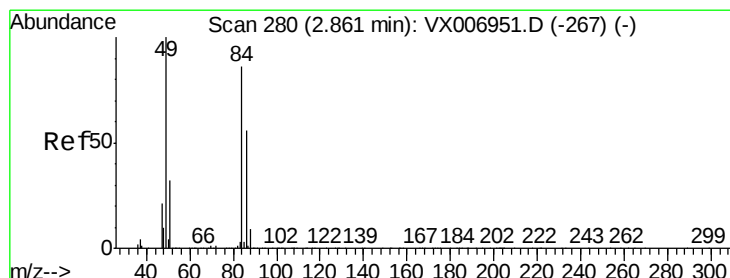
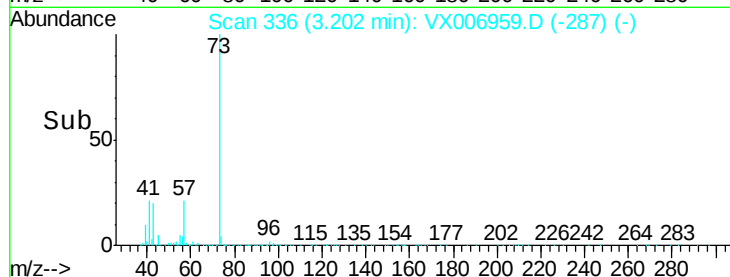
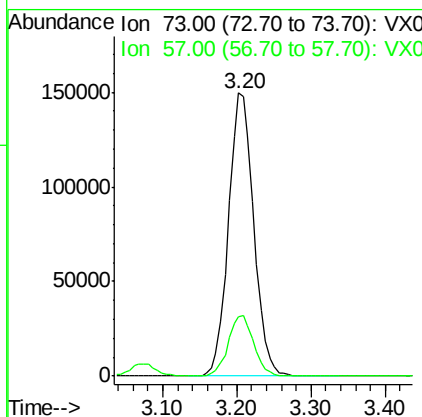
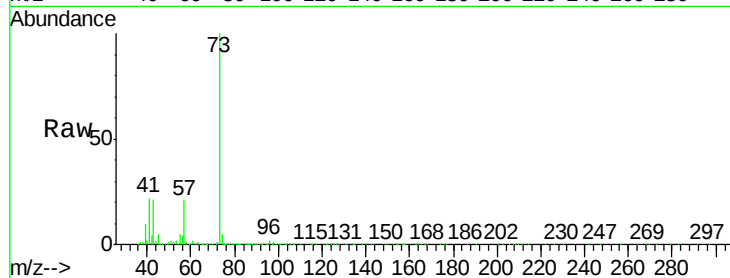
#19
Methyl tert-butyl Ether
Concen: 19.344 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.8	25.2

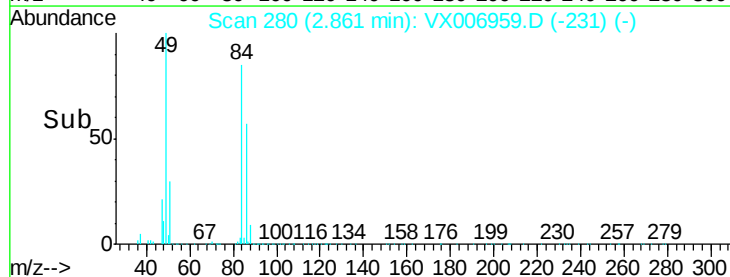
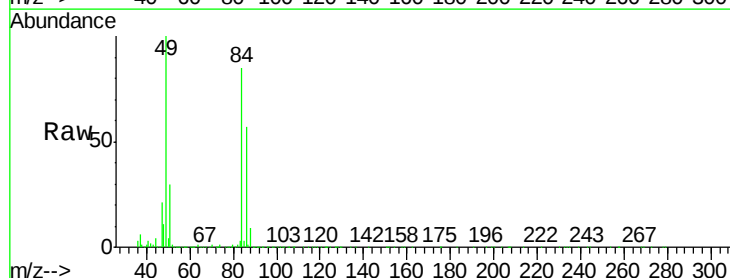
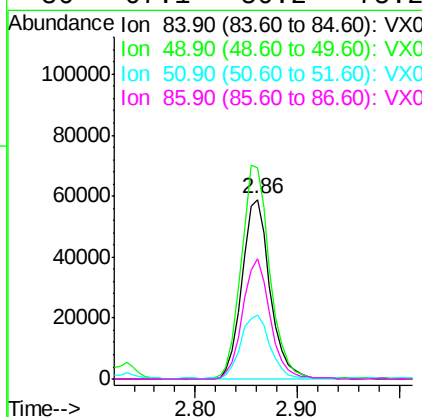
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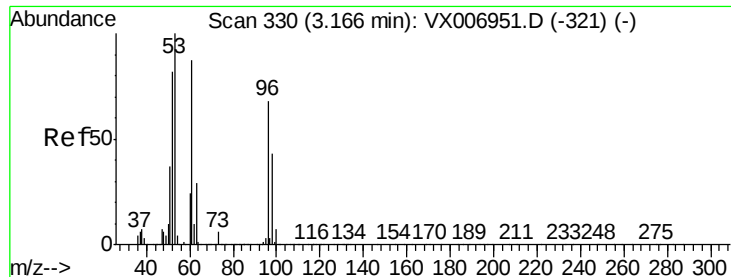
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#20
Methylene Chloride
Concen: 19.639 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	91.8	137.6
51	35.2	28.5	42.7
86	67.1	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.688 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

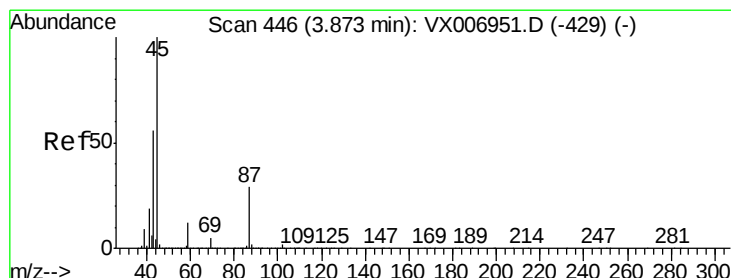
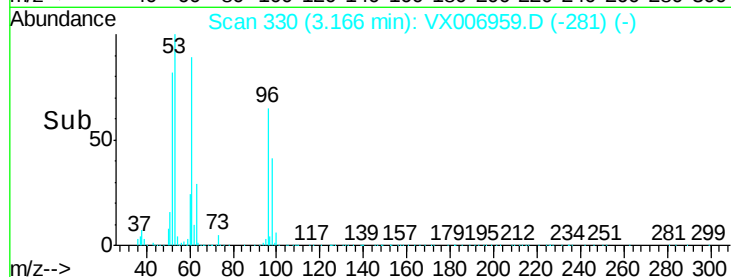
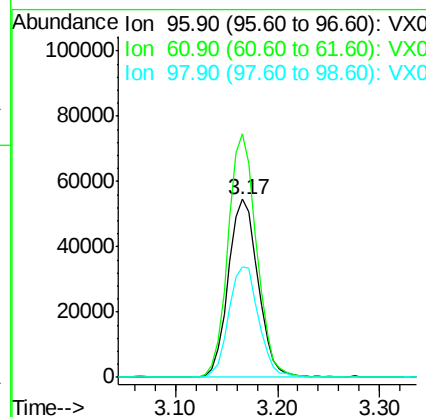
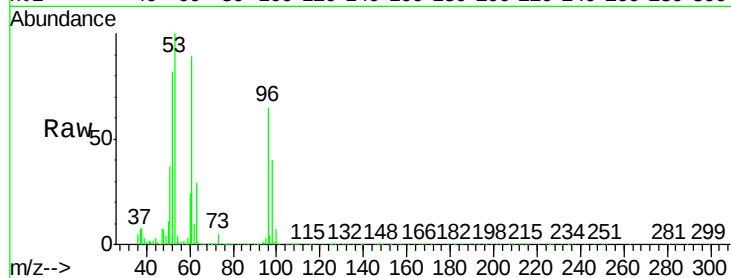
ClientSampleId :

VX0109WBS01

Tot Ion:	96	Resp:	109932
Ion Ratio	Lower	Upper	
96	100		
61	136.6	103.7	155.5
98	62.0	51.0	76.6

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#22

Diisopropyl ether

Concen: 19.051 ug/l

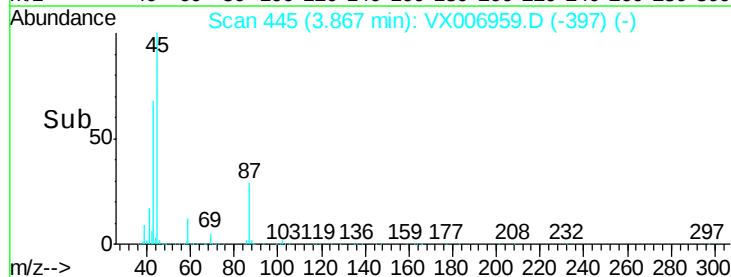
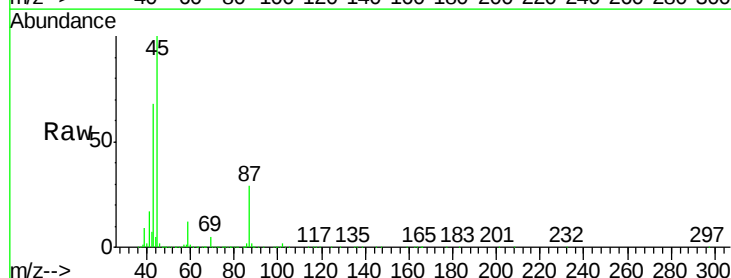
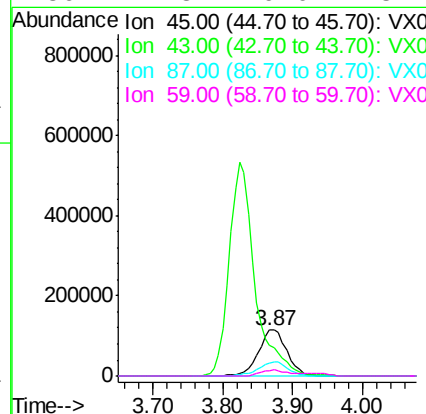
RT: 3.87 min Scan# 445

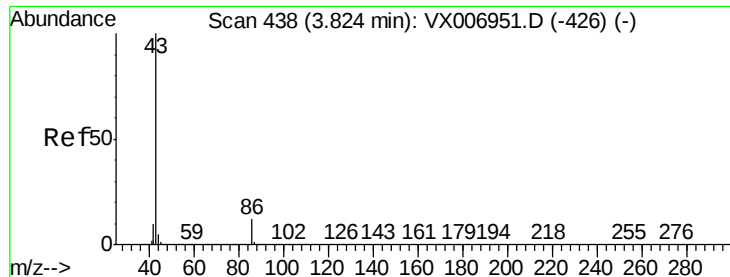
Delta R.T. -0.01 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	45	Resp:	324001
Ion Ratio	Lower	Upper	
45	100		
43	68.0	51.2	76.8
87	28.7	25.8	38.6
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 95.675 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 43 Resp: 1372222

Ion Ratio Lower Upper

43 100

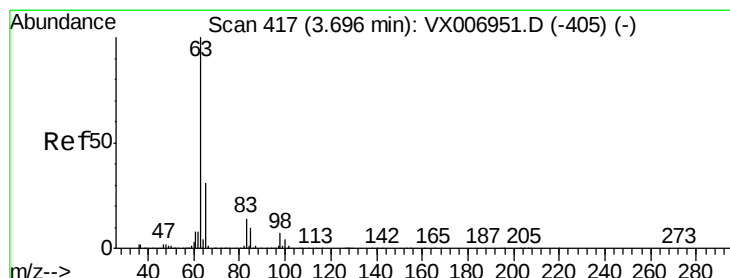
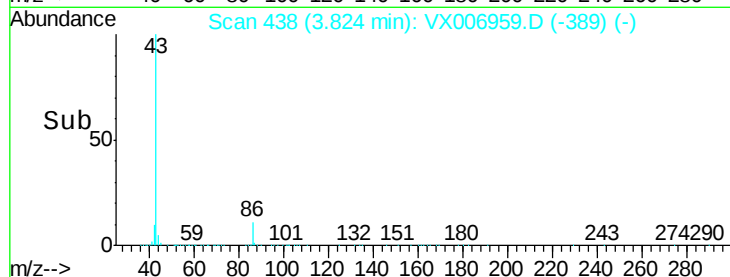
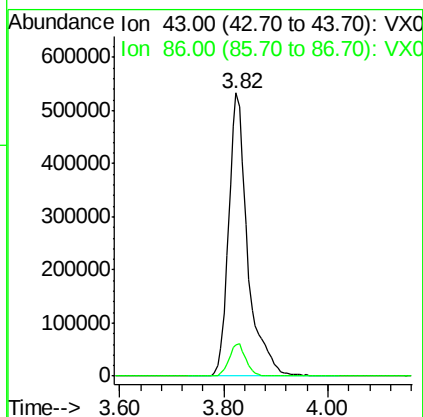
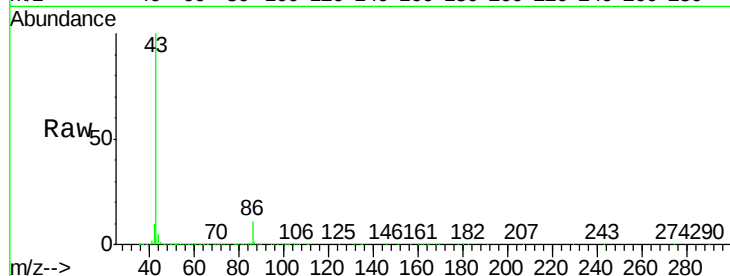
86 11.2 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.253 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

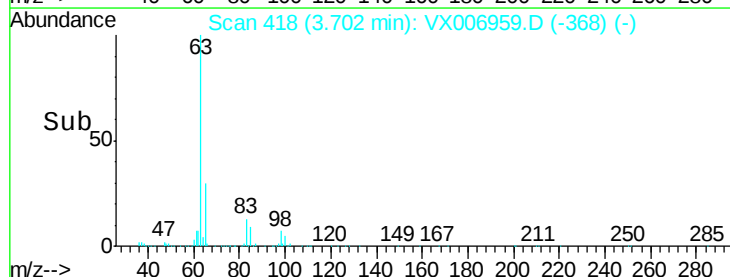
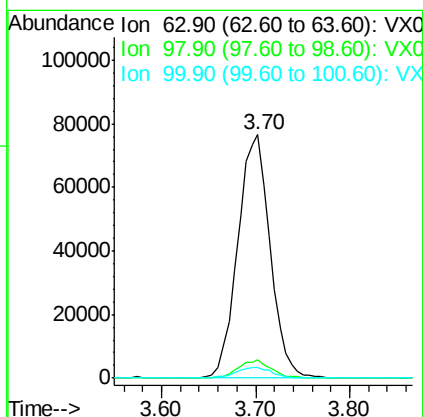
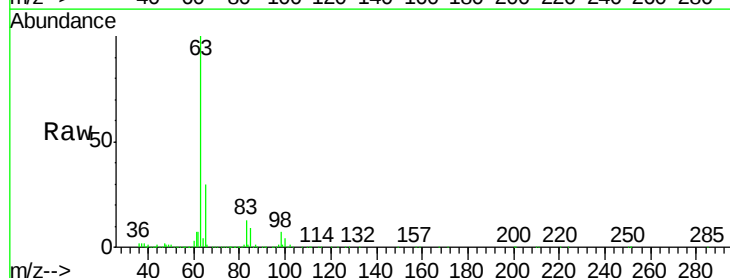
Tgt Ion: 63 Resp: 183089

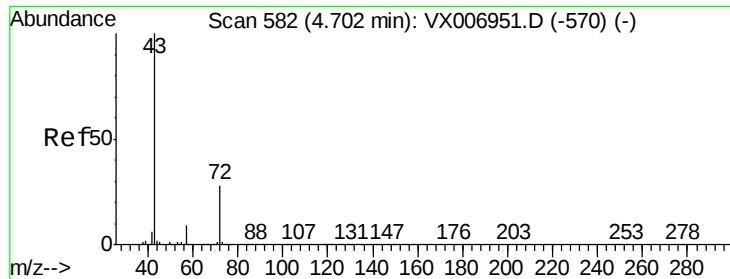
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 98.773 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tot Ion: 43 Resp: 419370

Ion Ratio Lower Upper

43 100

72 26.6 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

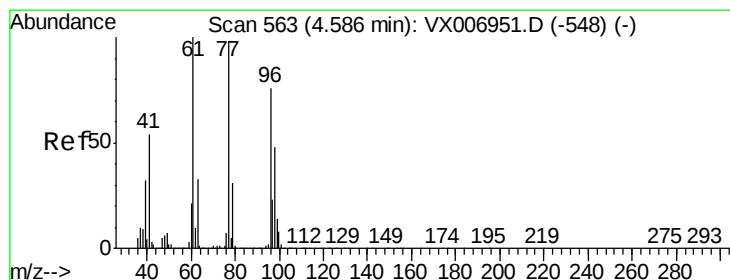
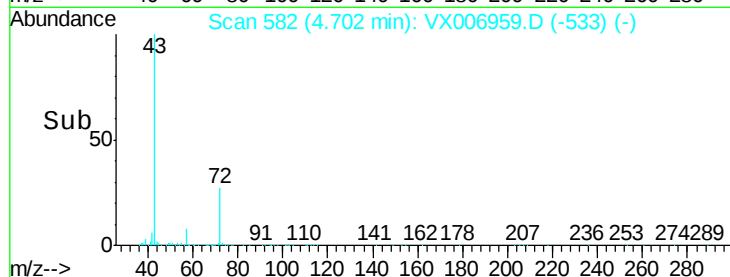
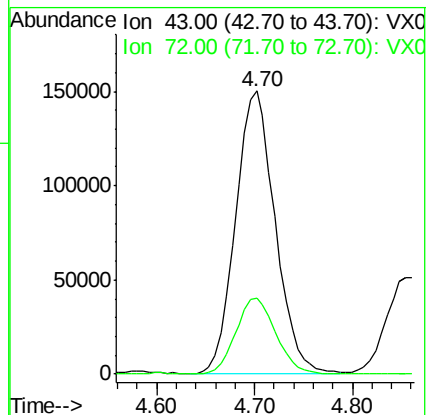
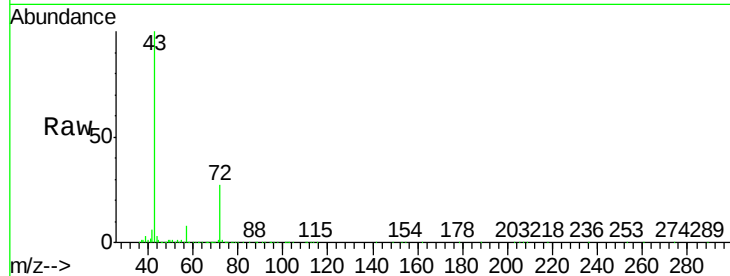
VX0109WBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.903 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006959.D

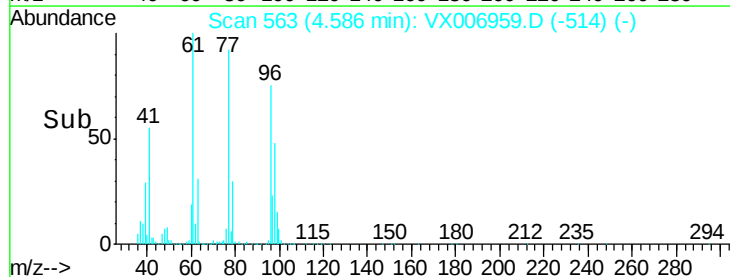
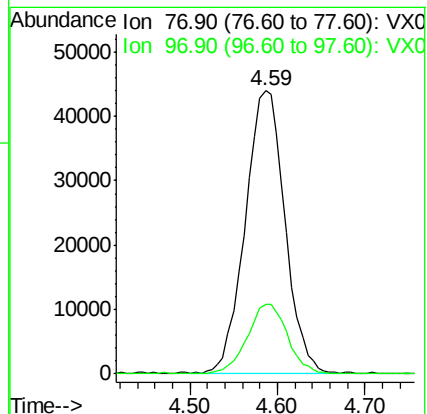
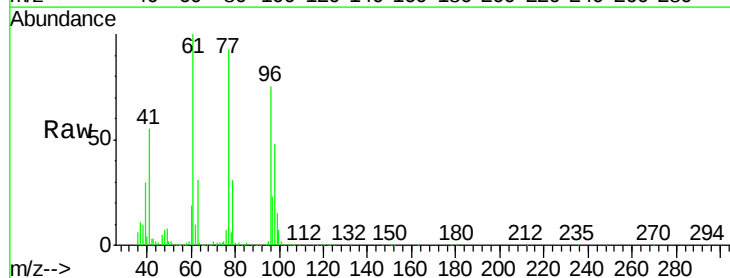
Acq: 09 Jan 2019 11:52

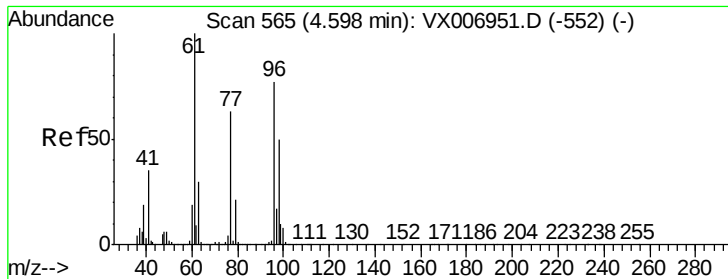
Tgt Ion: 77 Resp: 138235

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4





#27

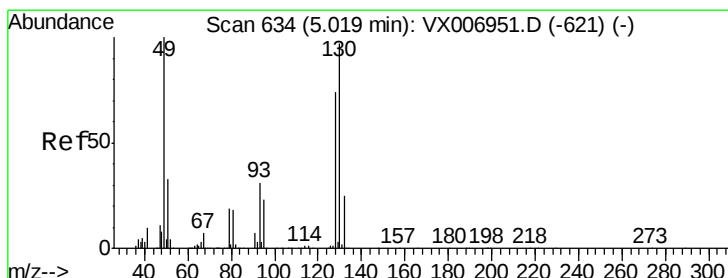
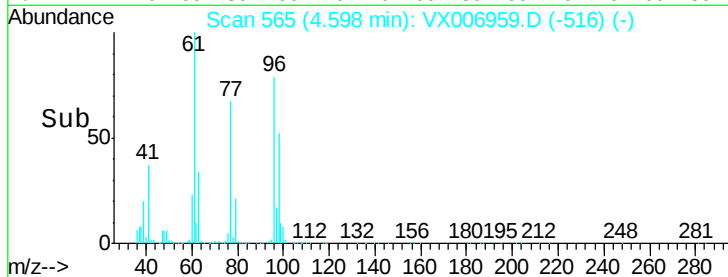
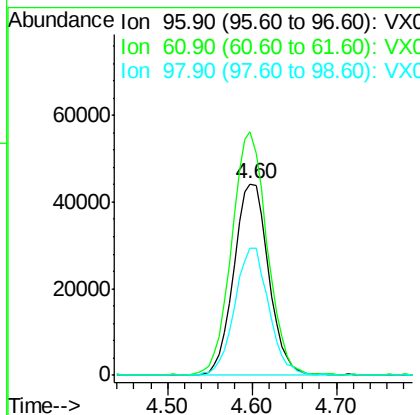
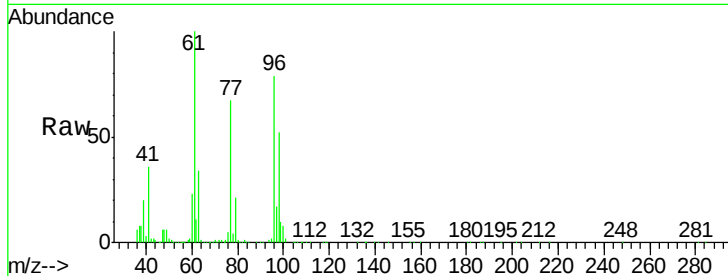
cis-1,2-Dichloroethene
Concen: 18.972 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123101		
61	128.8	0.0	258.6	
98	65.3	0.0	132.0	

Manual Integrations
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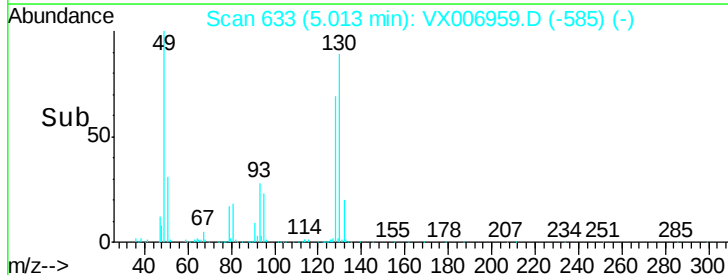
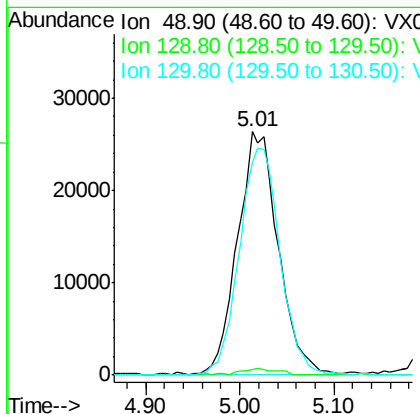
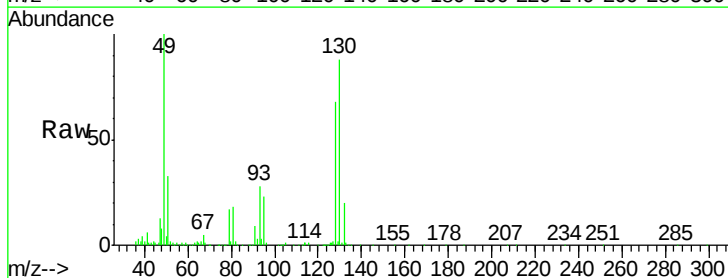
MMDadoda
1/10/2019 10:54:09 AM



#28

Bromochloromethane
Concen: 18.986 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79106		
129	2.6	0.0	5.4	
130	94.4	77.7	116.5	





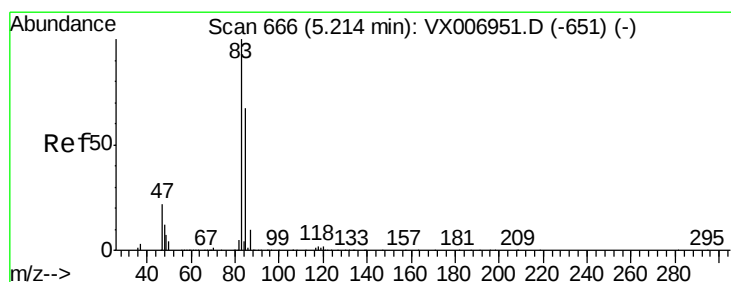
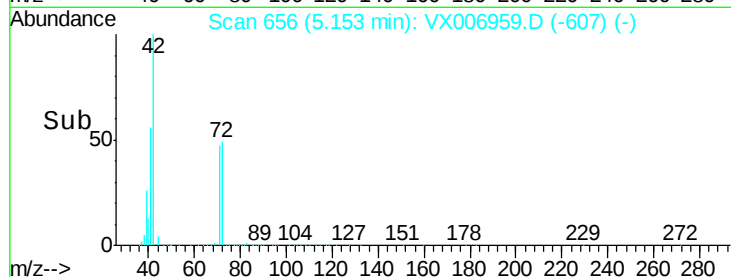
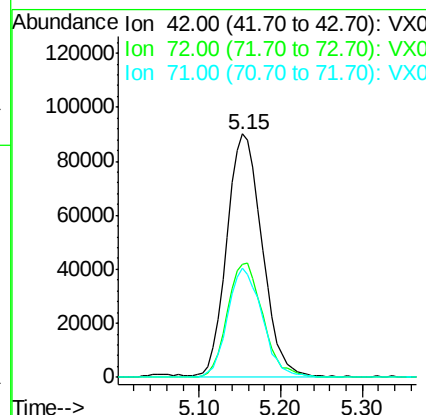
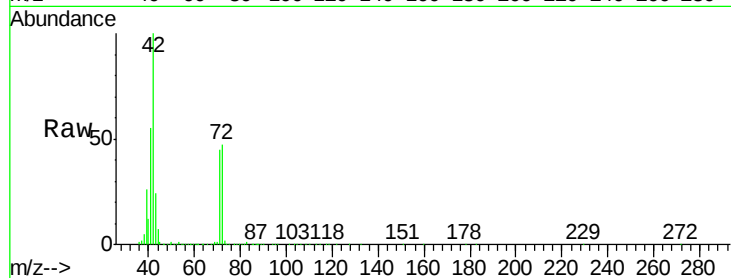
#29
Tetrahydrofuran
Concen: 97.321 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.9	58.3
71	44.0	36.2	54.4

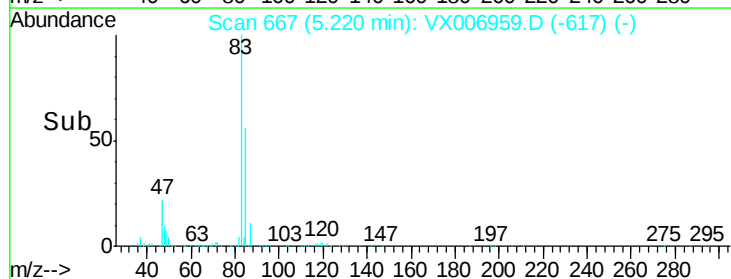
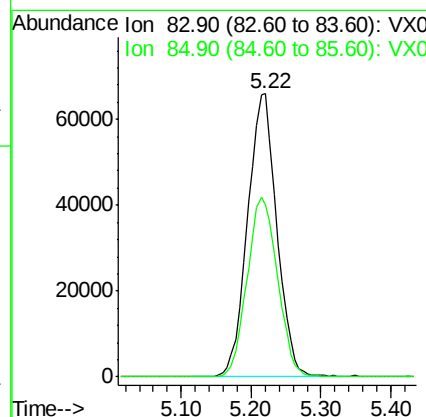
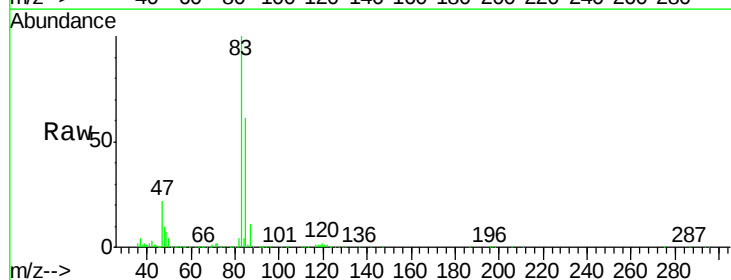
Manual Integrations
APPROVED

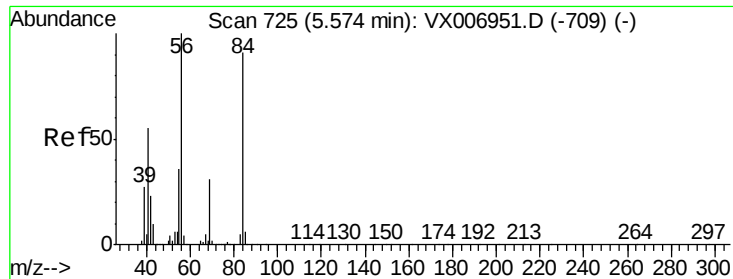
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#30
Chloroform
Concen: 19.289 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.2	76.8





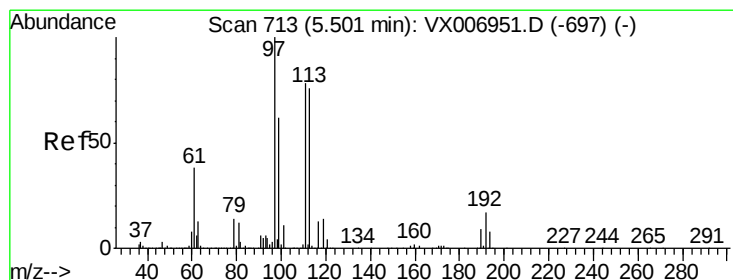
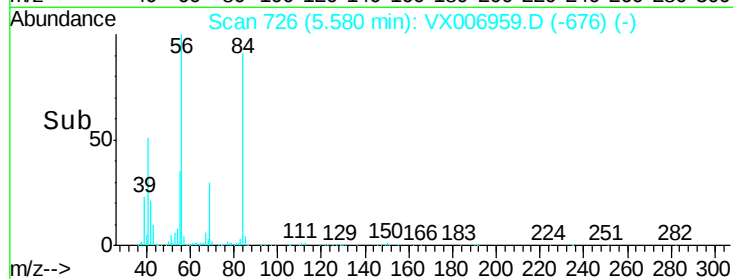
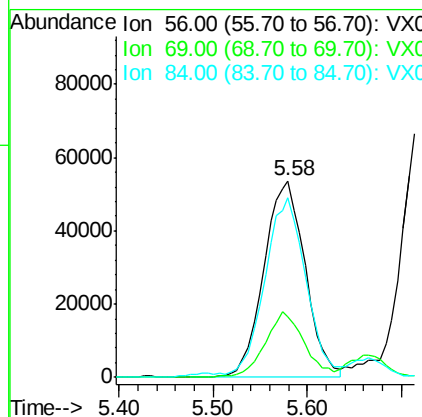
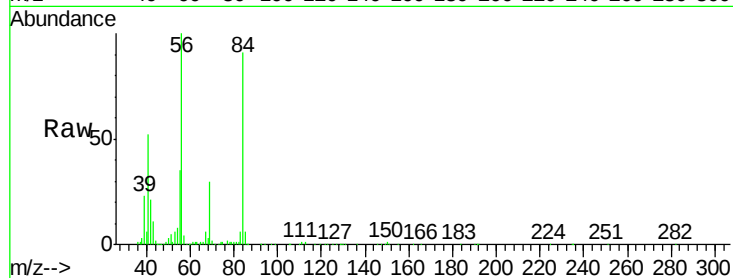
#31
Cyclohexane
Concen: 19.450 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	90.2	70.0	105.0

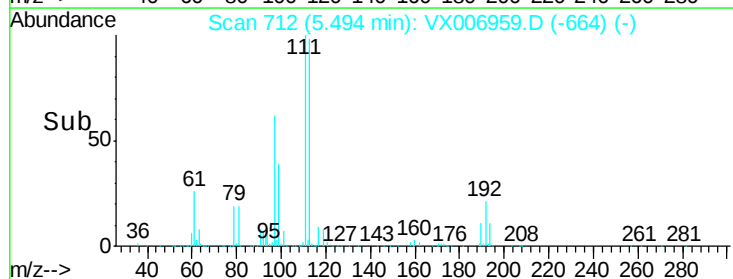
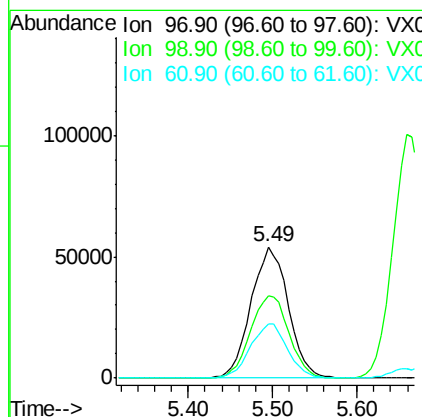
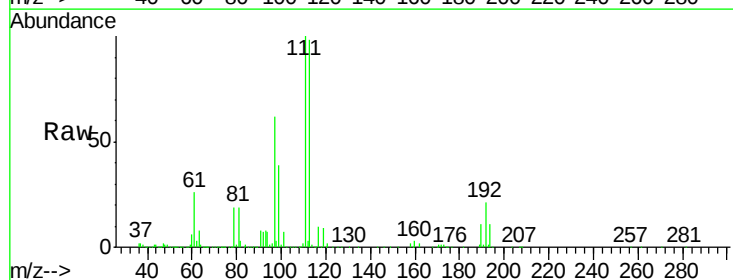
Manual Integrations
APPROVED

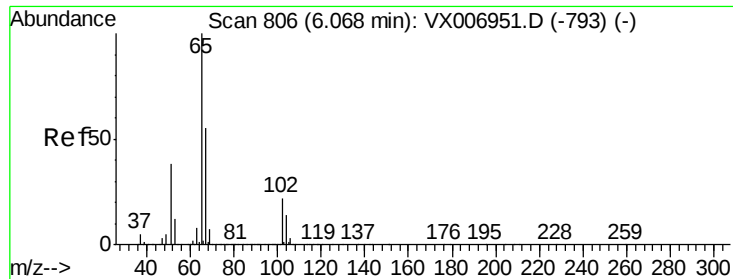
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#32
1,1,1-Trichloroethane
Concen: 19.312 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	41.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.647 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 65 Resp: 303998

Ion Ratio Lower Upper

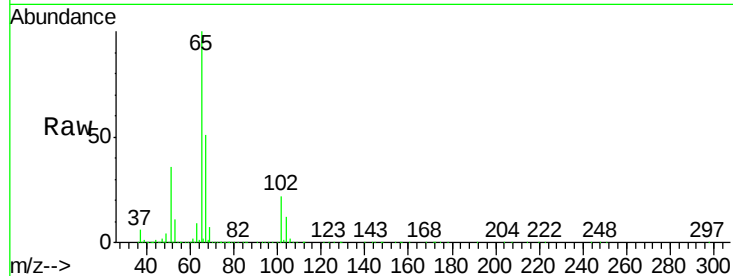
65 100

67 52.4 0.0 105.0

Manual Integrations
APPROVED

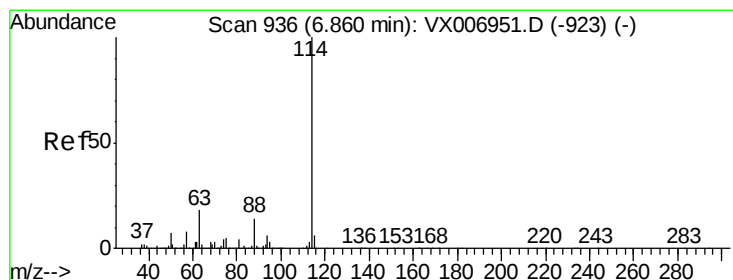
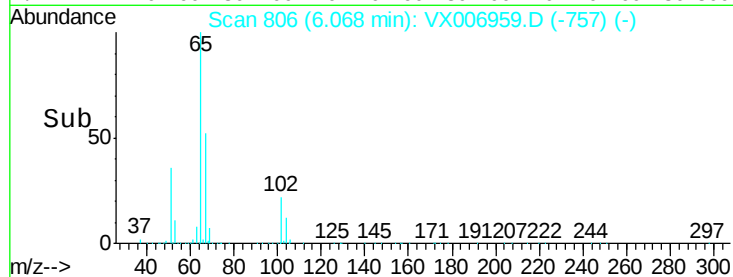
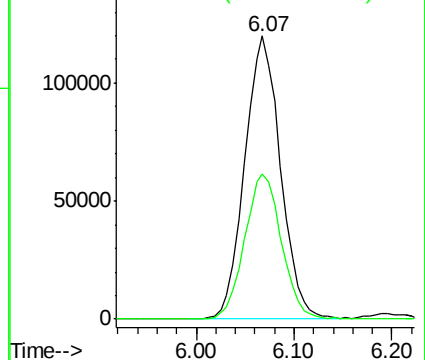
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

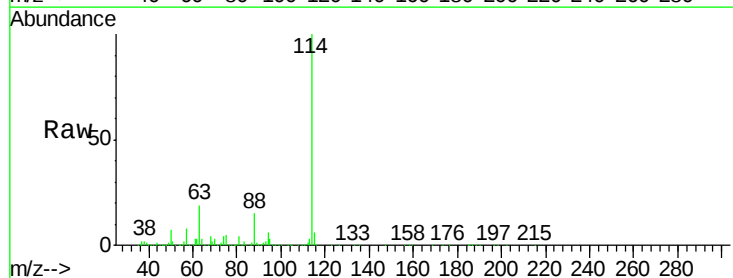
Tgt Ion: 114 Resp: 862855

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.8

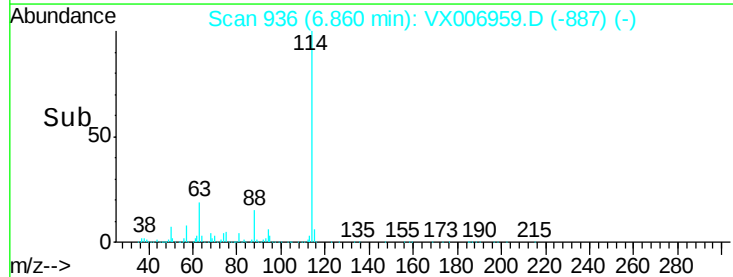
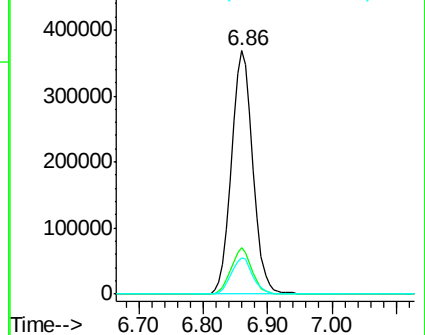
88 14.7 0.0 28.8

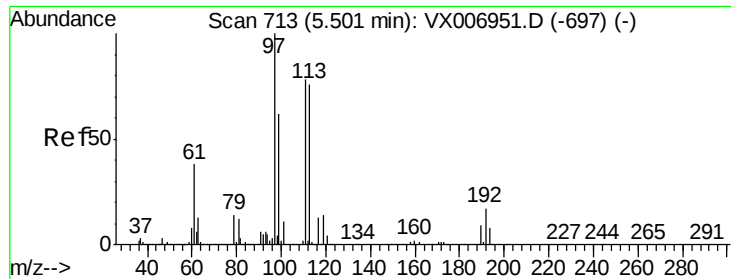


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.906 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

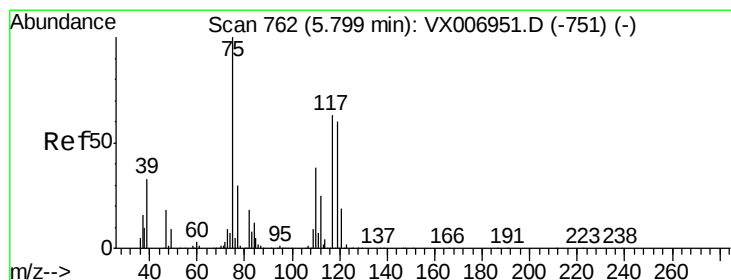
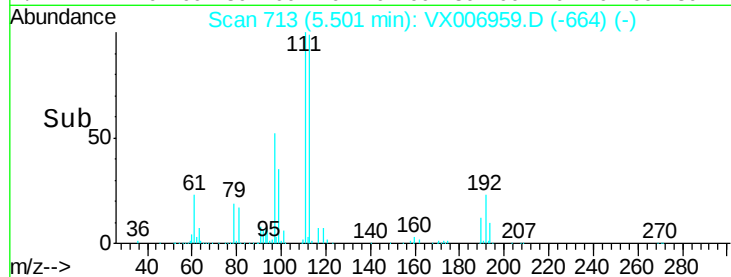
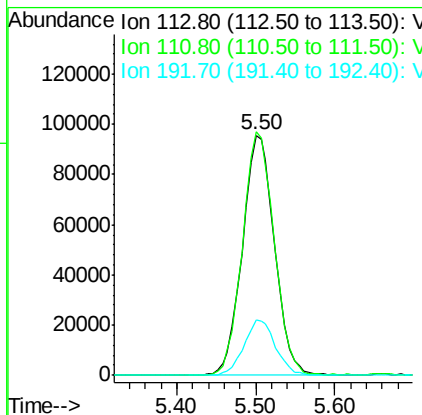
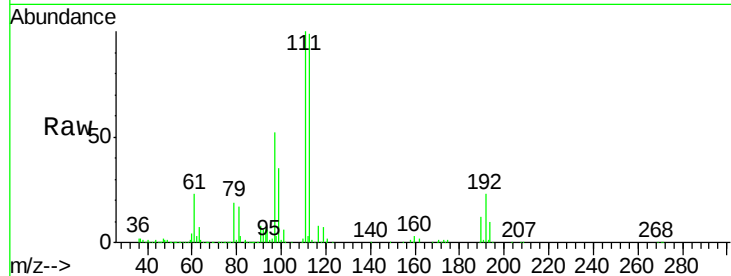
ClientSampleId :

VX0109WBS01

Tot Ion:	113	Resp:	270240
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.6	122.4
192	22.8	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.823 ug/l

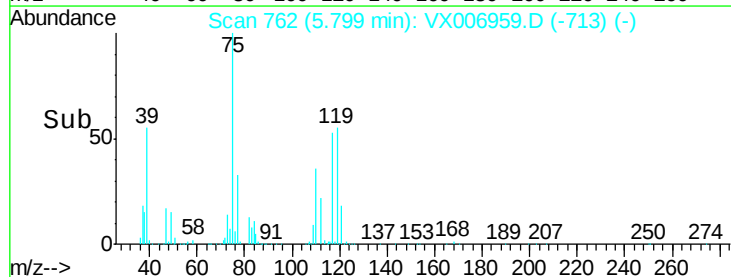
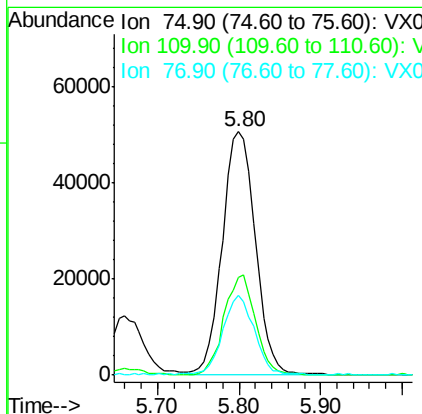
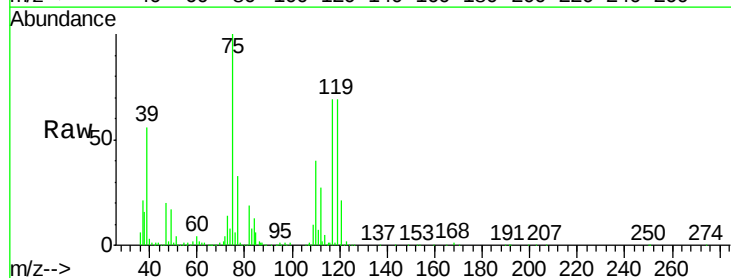
RT: 5.80 min Scan# 762

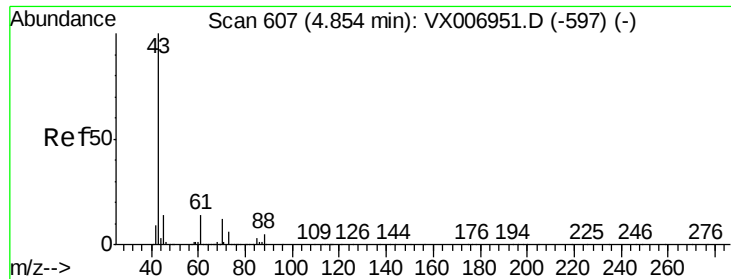
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	75	Resp:	141203
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.2	60.5
77	31.4	24.8	37.2





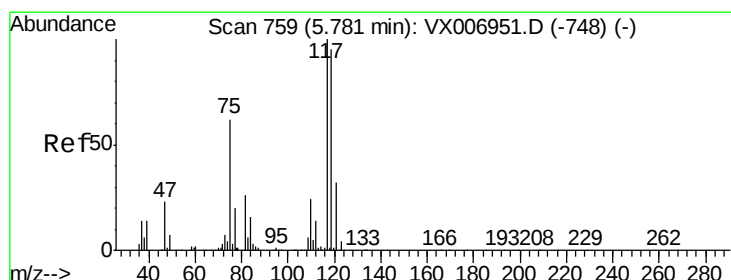
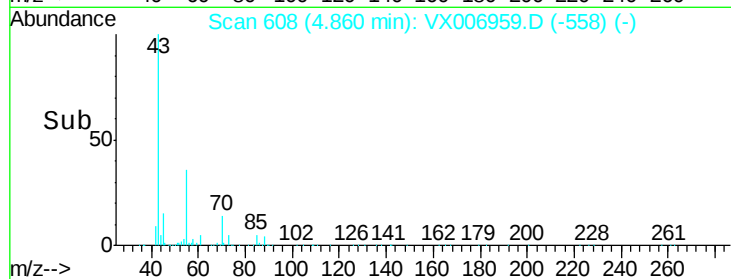
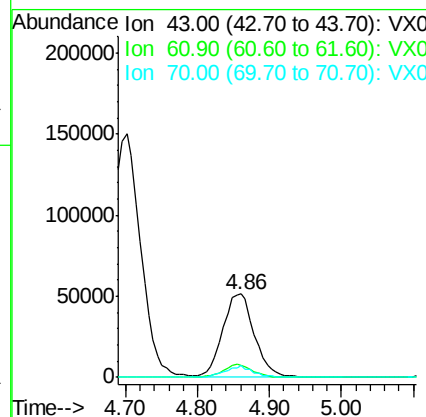
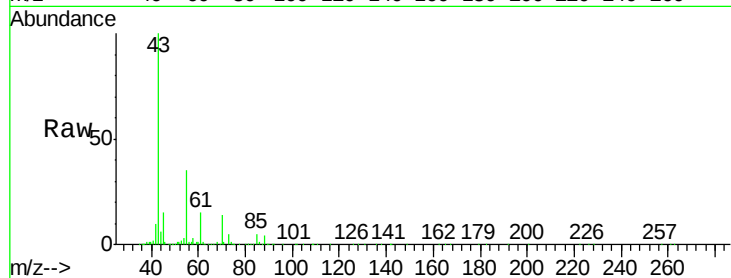
#37
Ethyl Acetate
Concen: 19.418 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	12.1	9.7	14.5

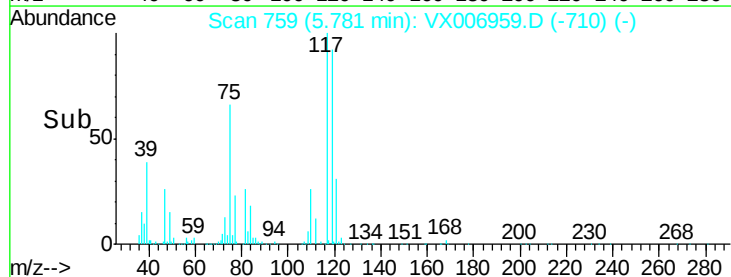
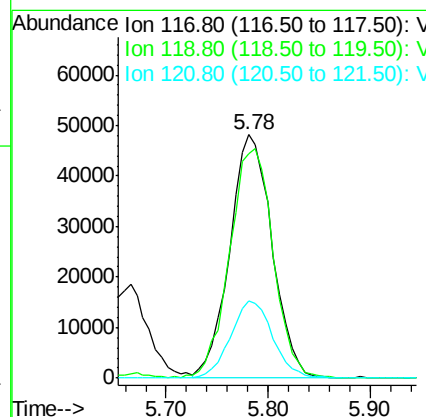
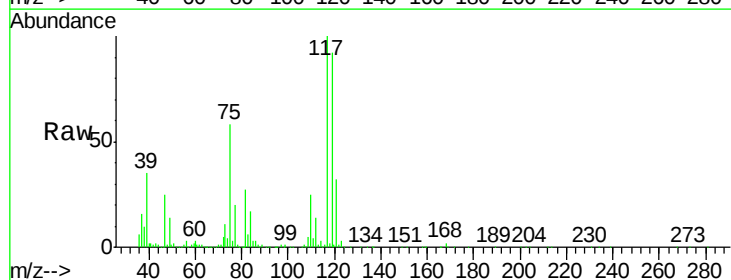
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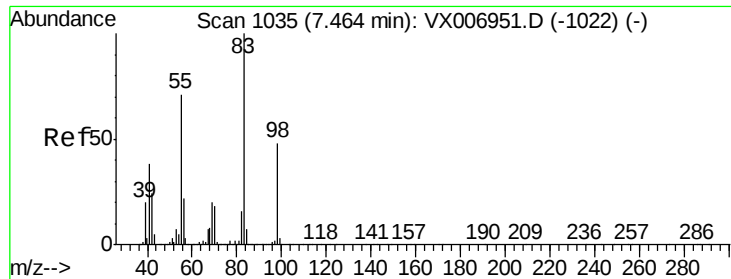
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#38
Carbon Tetrachloride
Concen: 18.345 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	79.4	119.2
121	31.3	24.0	36.0





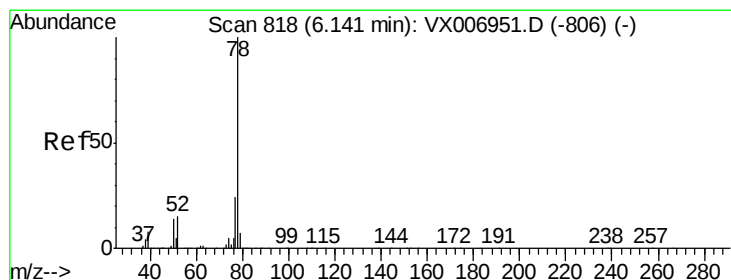
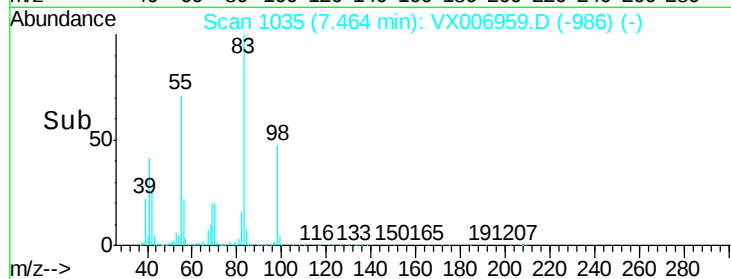
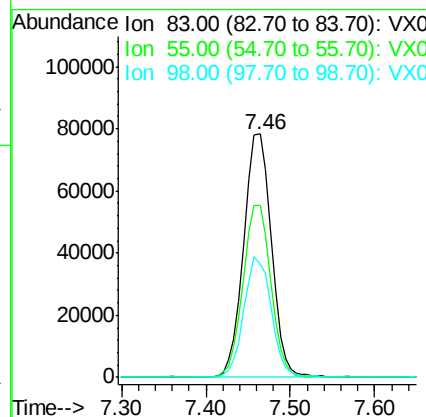
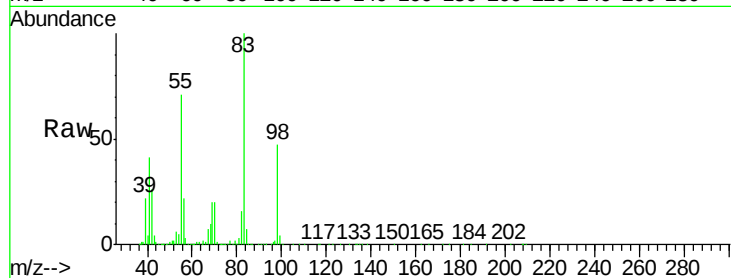
#39
Methvlcvclohexane
Concen: 18.207 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	54.9	82.3
98	46.6	37.9	56.9

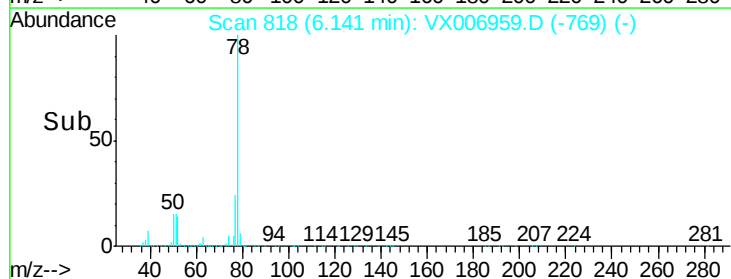
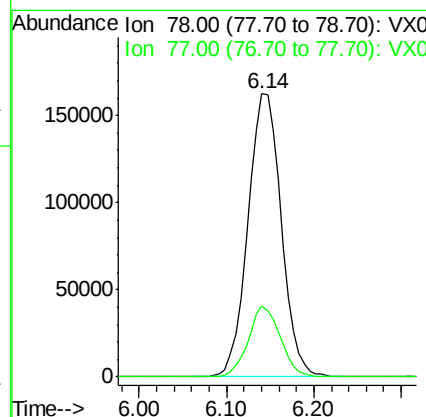
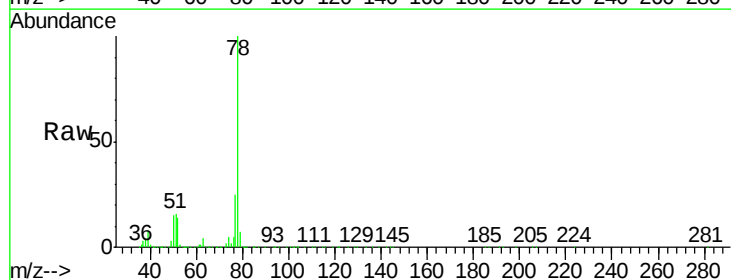
Manual Integrations
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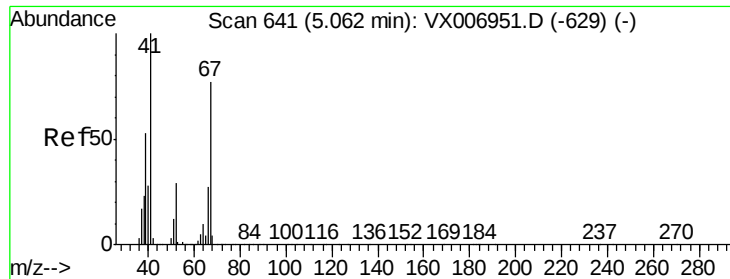
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#40
Benzene
Concen: 18.816 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





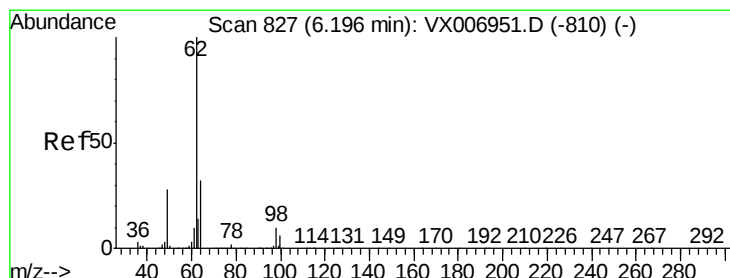
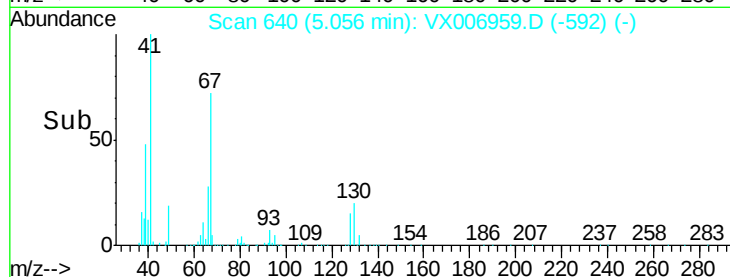
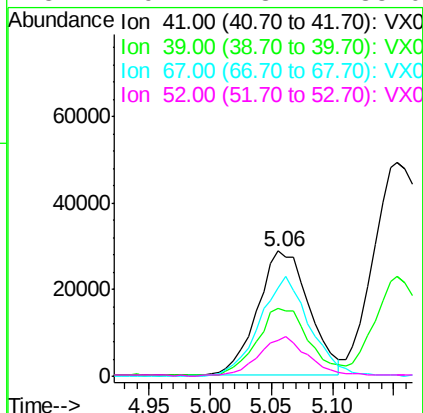
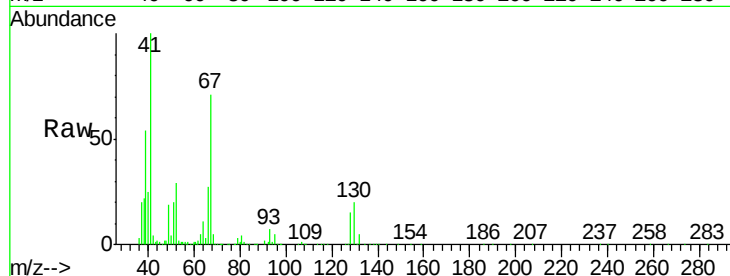
#41
Methacrylonitrile
Concen: 18.276 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.8	64.2	
67	78.0	62.1	93.1	
52	29.7	23.4	35.0	

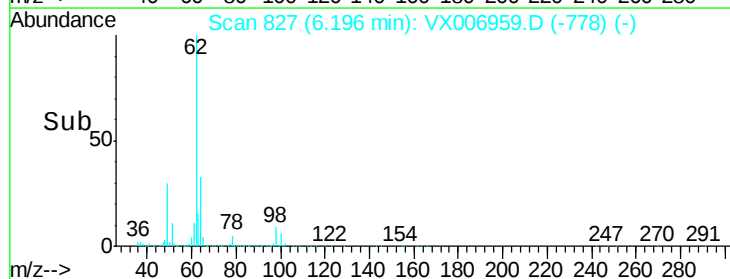
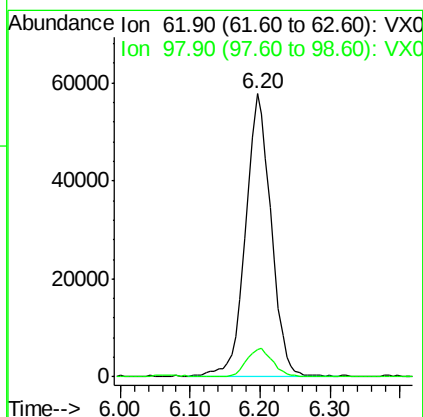
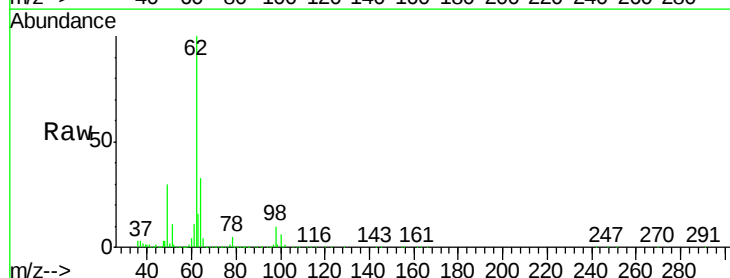
Manual Integrations
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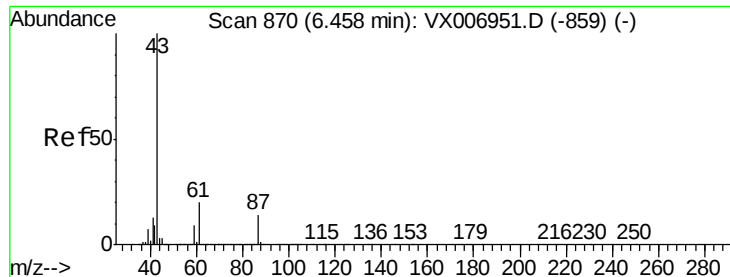
MMDadoda
1/10/2019 10:54:09 AM



#42
1,2-Dichloroethane
Concen: 18.414 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.2	





#43

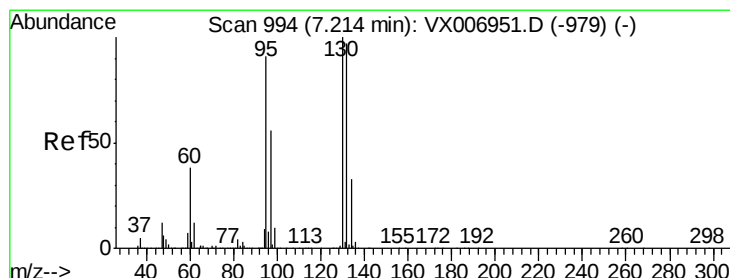
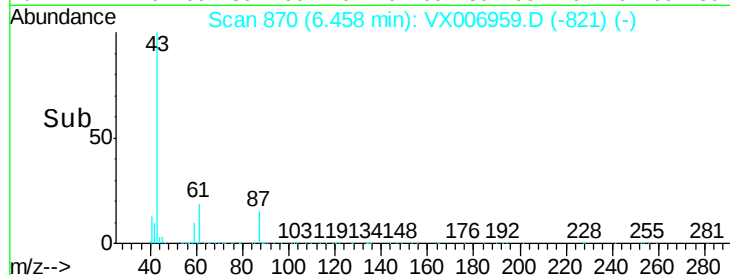
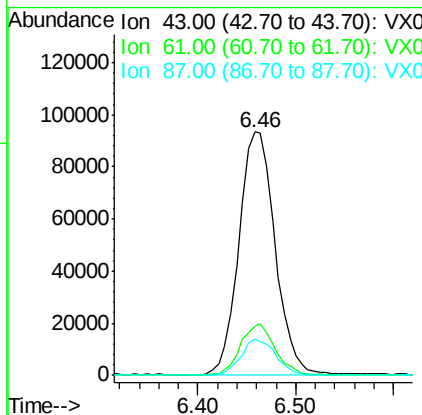
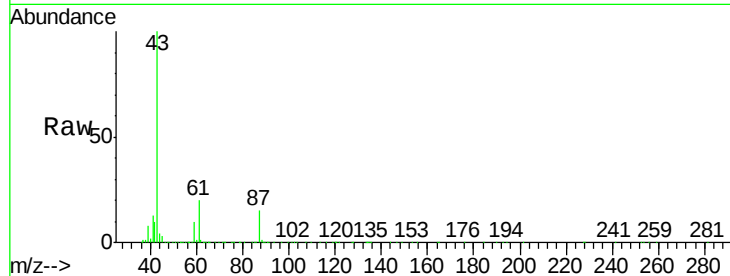
Isopropyl Acetate
 Concen: 18.988 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.4	12.4	18.6

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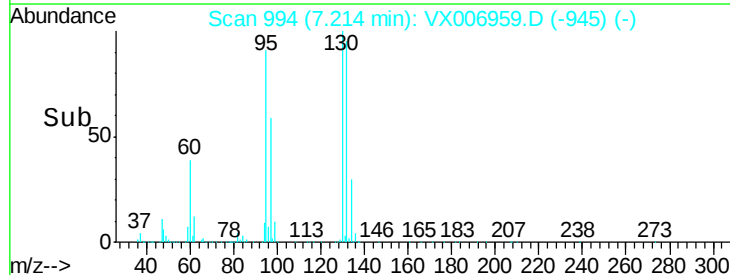
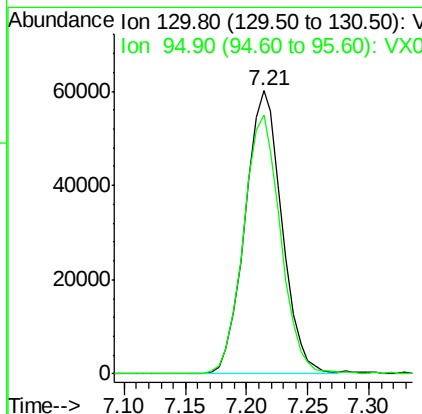
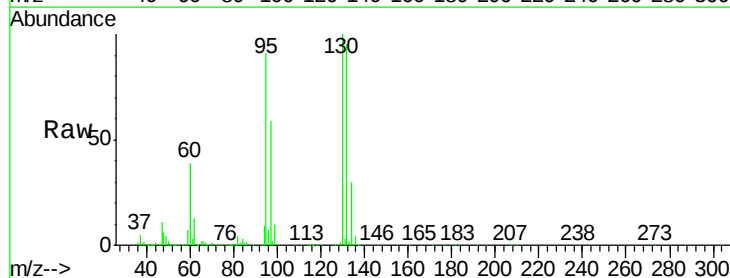
MMDadoda
 1/10/2019 10:54:09 AM

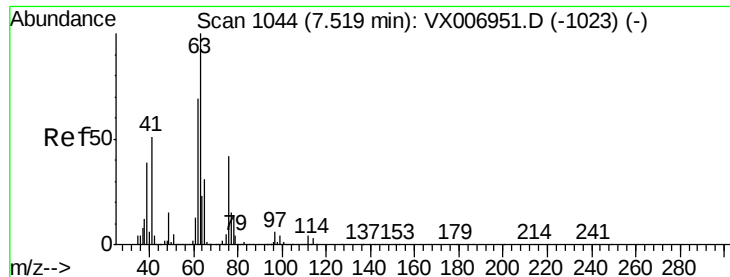


#44

Trichloroethene
 Concen: 18.403 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 18.662 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 63 Resp: 107393

Ion Ratio Lower Upper

63 100

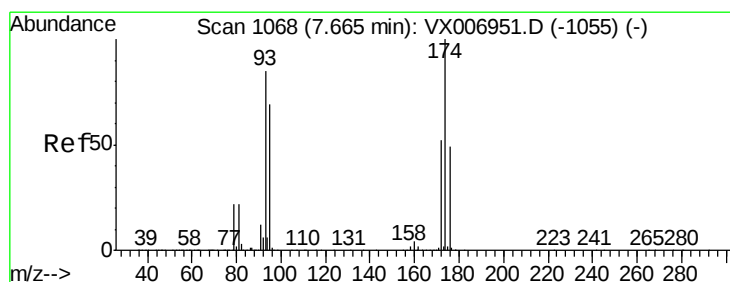
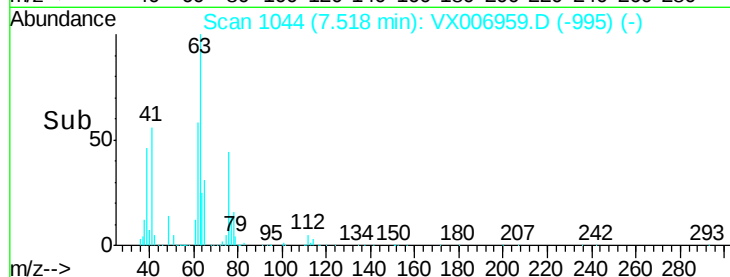
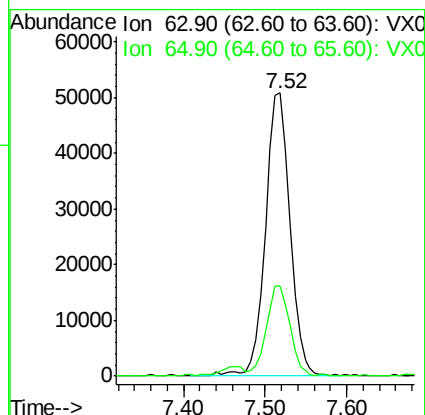
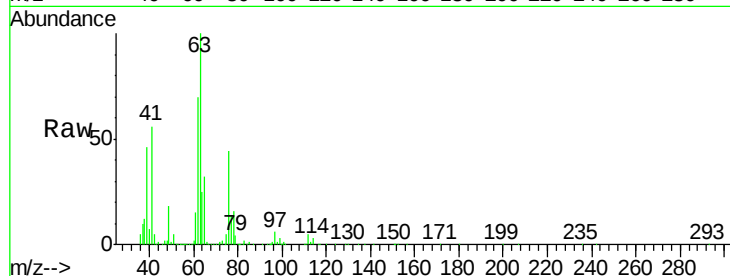
65 31.4 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.257 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

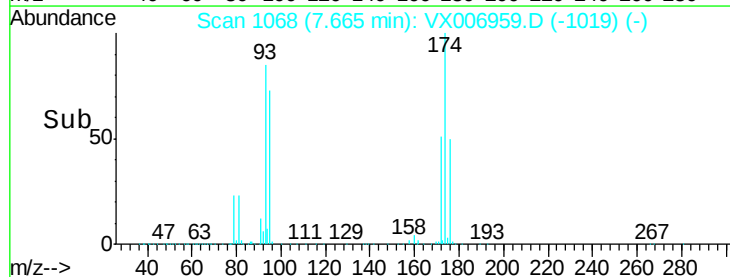
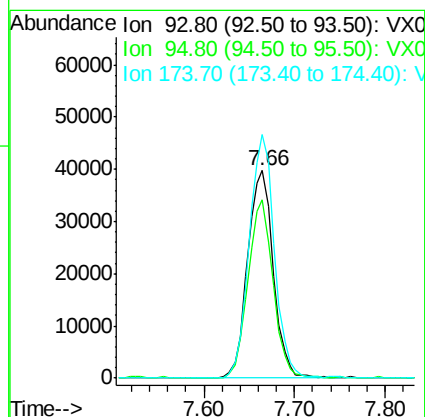
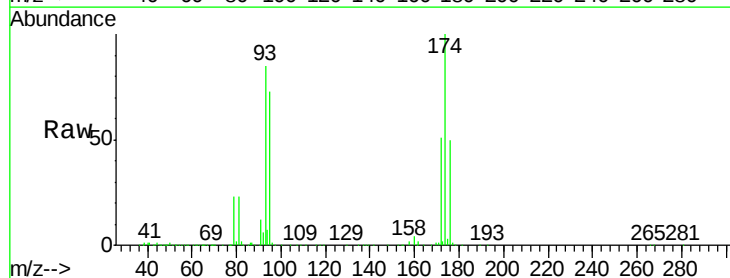
Tgt Ion: 93 Resp: 77884

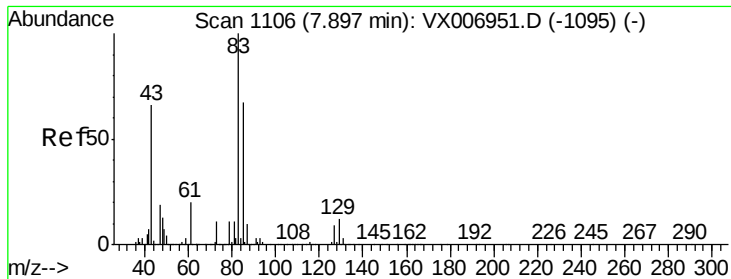
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 114.9 91.0 136.4





#47

Bromodichloromethane

Concen: 18.469 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

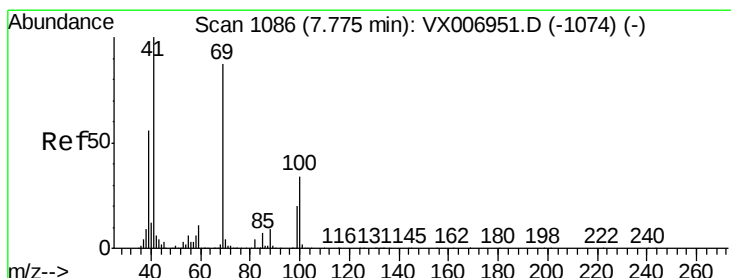
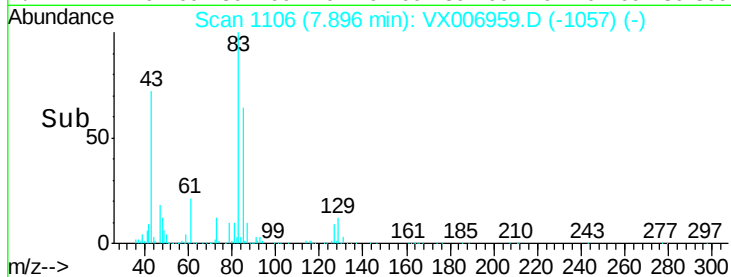
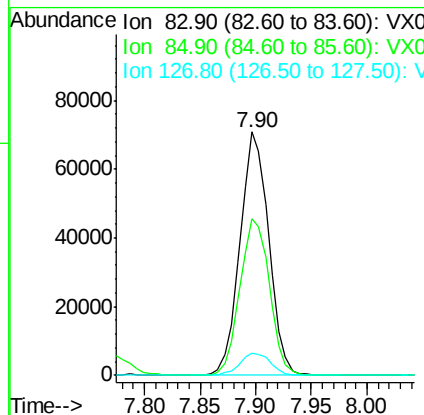
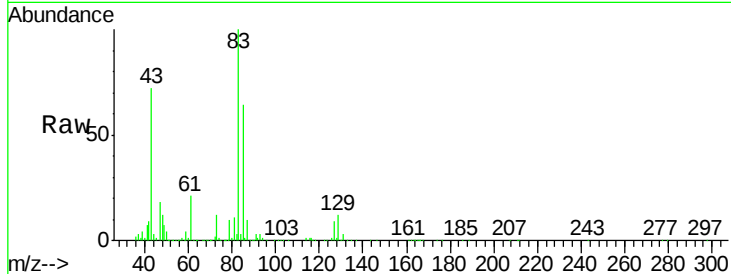
ClientSampleId :

VX0109WBS01

Tot Ion:	83	Resp:	127148
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.2	79.8
127	9.2	7.8	11.6

Manual Integrations
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MMDadoda
1/10/2019 10:54:09 AM



#48

Methyl methacrylate

Concen: 19.013 ug/l

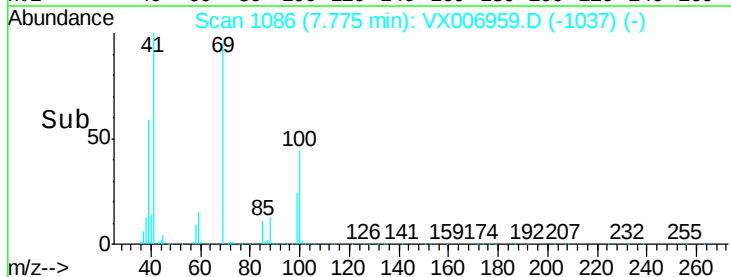
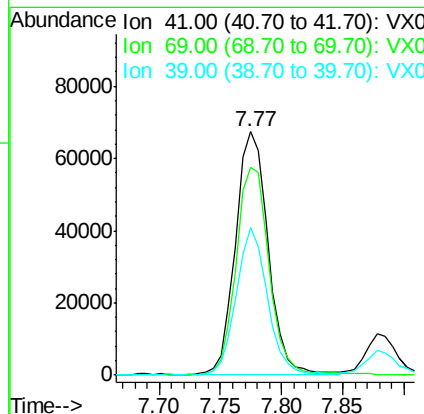
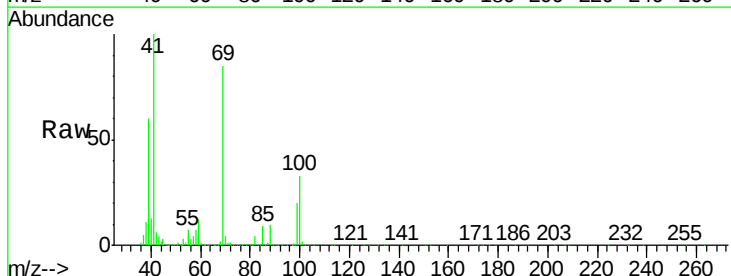
RT: 7.77 min Scan# 1086

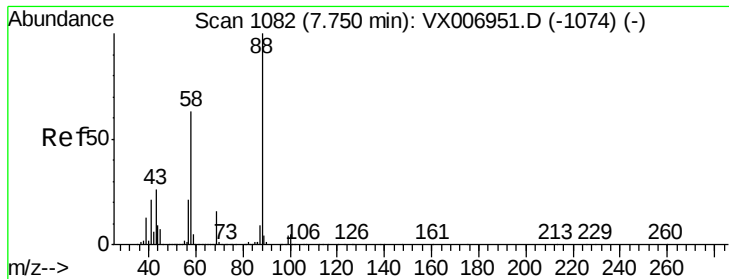
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	41	Resp:	123865
Ion	Ratio	Lower	Upper
41	100		
69	86.1	72.4	108.6
39	58.0	45.8	68.8





#49

1,4-Dioxane

Concen: 369.794 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

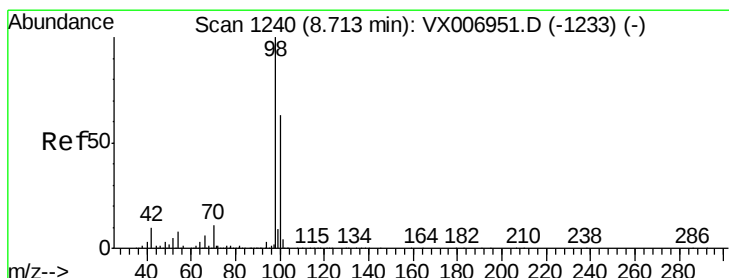
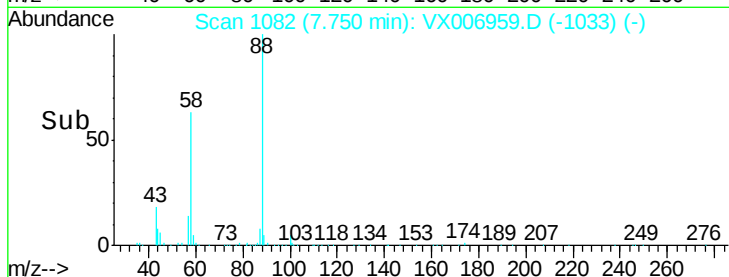
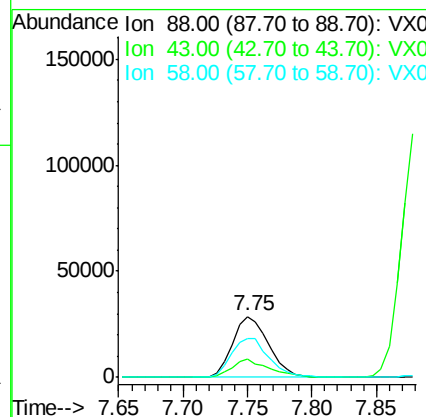
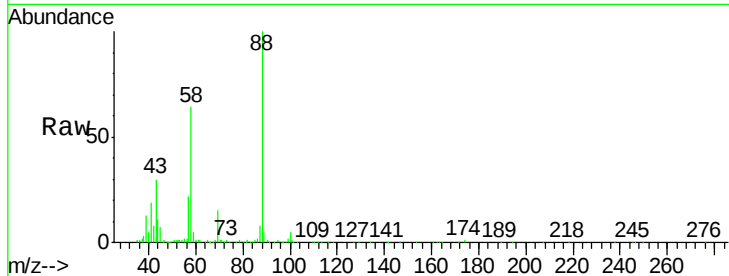
ClientSampleId :

VX0109WBS01

Tot Ion:	88	Resp:	55822
Ion	Ratio	Lower	Upper
88	100		
43	31.7	22.2	33.4
58	68.7	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.798 ug/l

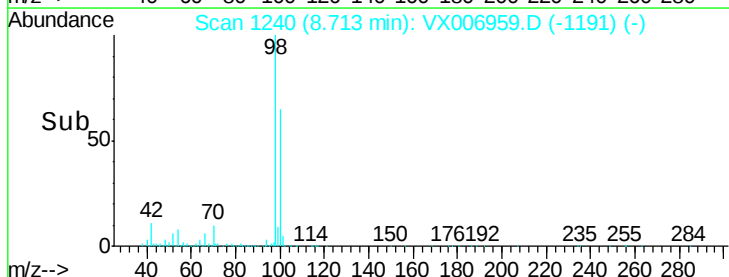
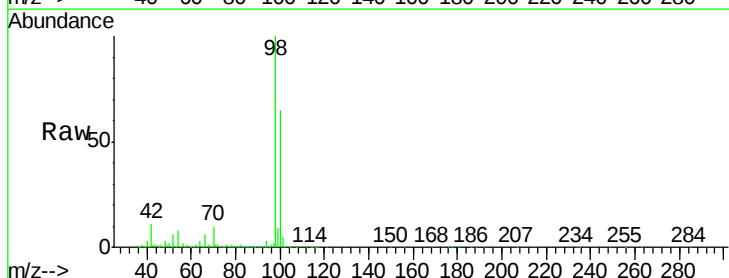
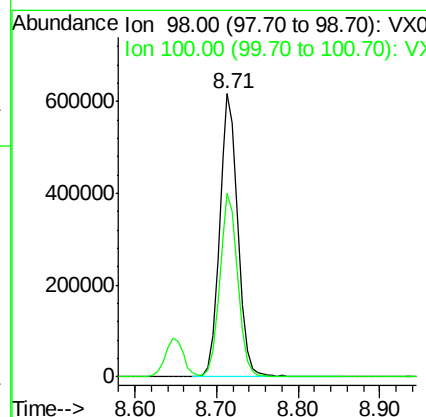
RT: 8.71 min Scan# 1240

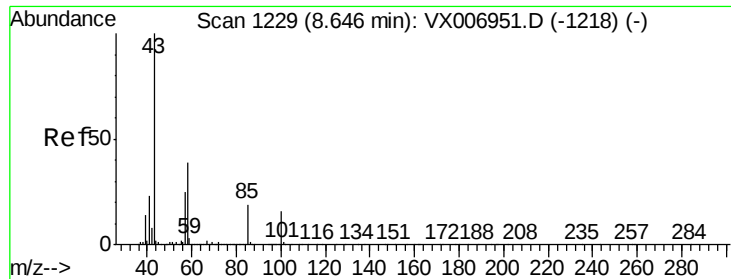
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	98	Resp:	966754
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 95.848 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0109WBS01

Tot Ion: 43 Resp: 781440

Ion Ratio Lower Upper

43 100

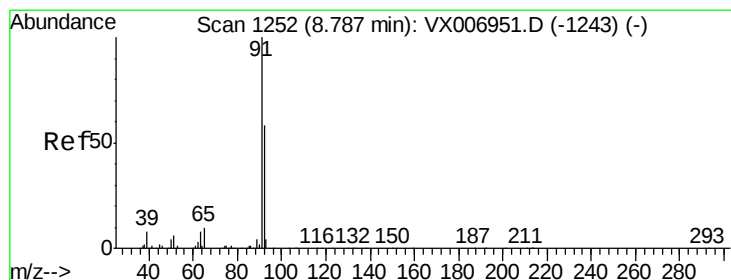
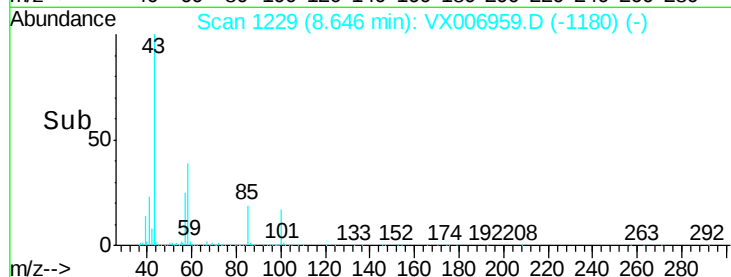
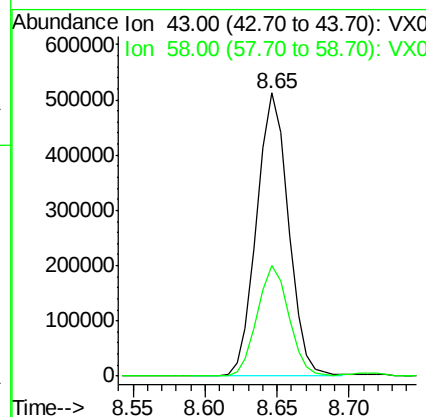
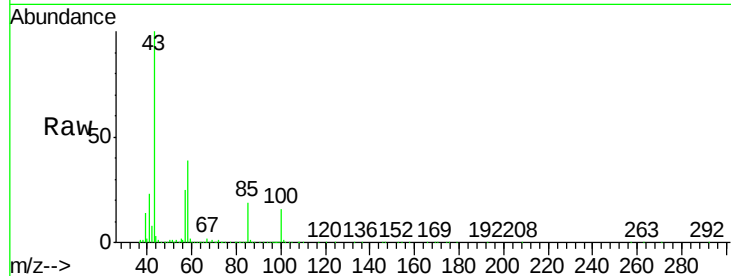
58 38.9 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 18.295 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006959.D

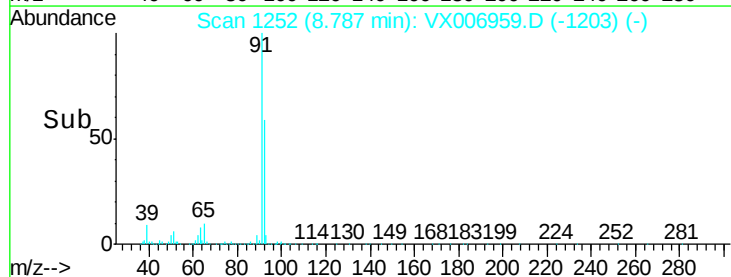
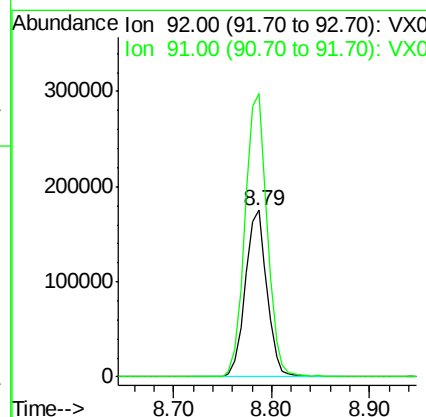
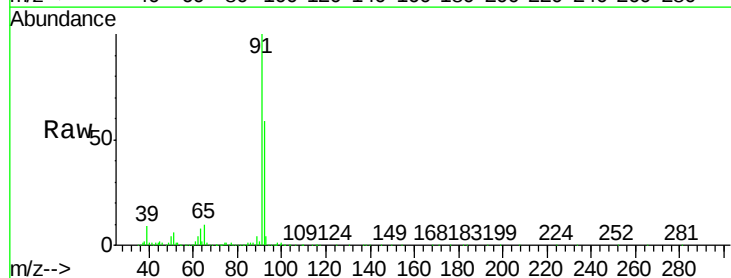
Acq: 09 Jan 2019 11:52

Tgt Ion: 92 Resp: 269160

Ion Ratio Lower Upper

92 100

91 174.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.320 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 75 Resp: 139851

Ion Ratio Lower Upper

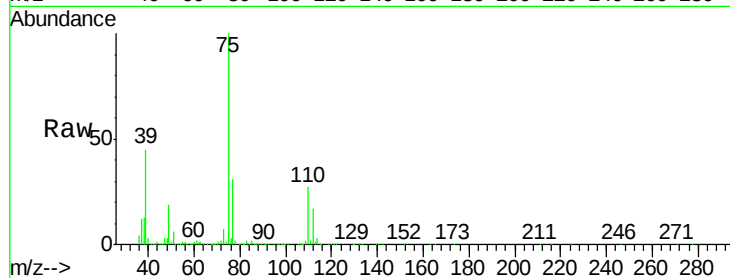
75 100

77 30.6 25.4 38.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

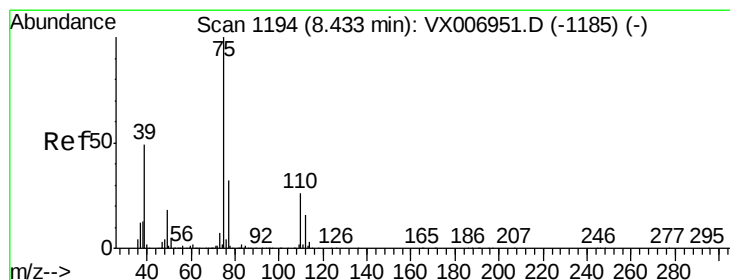
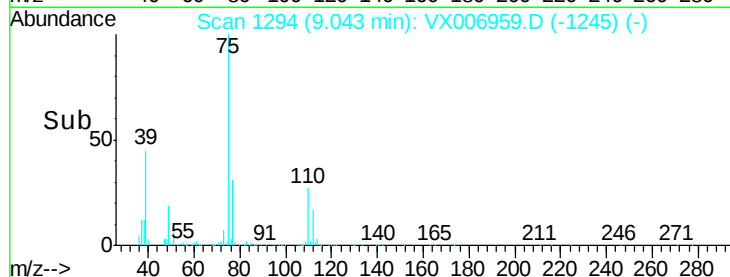
40000

20000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 18.809 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

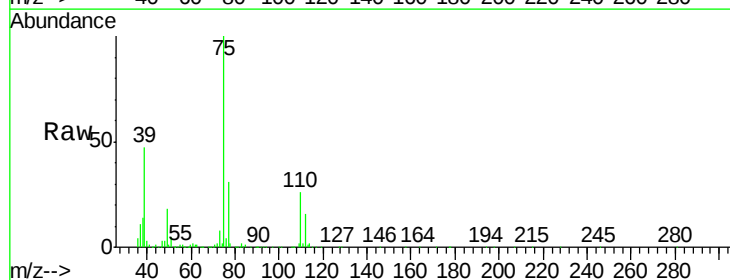
Tgt Ion: 75 Resp: 158561

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

39 46.7 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

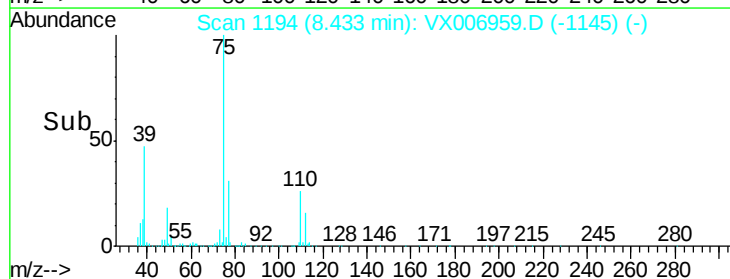
100000

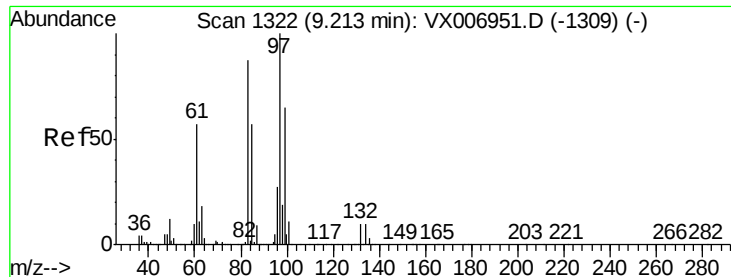
50000

0

Time-->

8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 19.648 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

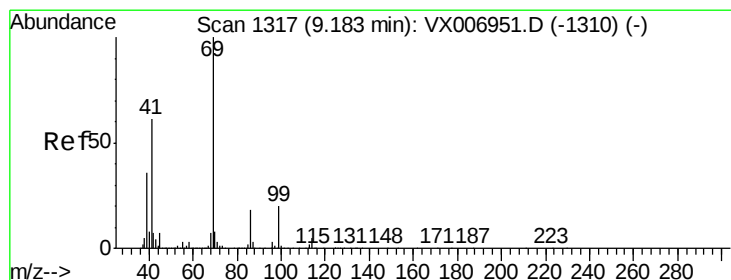
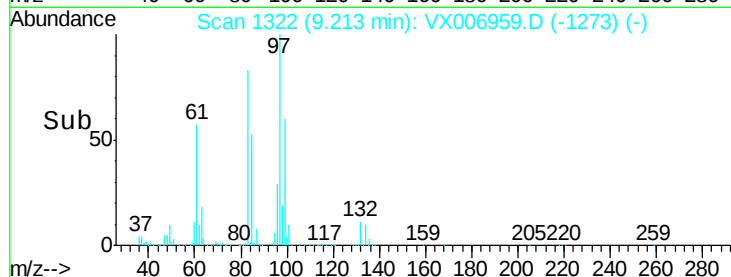
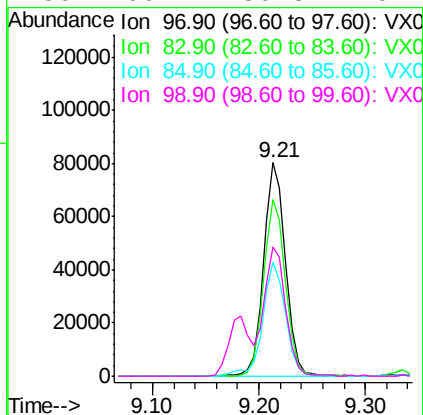
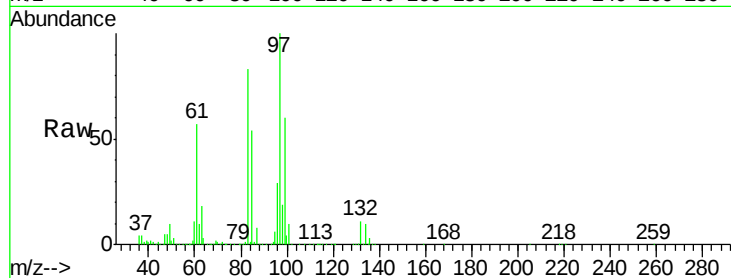
ClientSampleId :

VX0109WBS01

Tot Ion:	97	Resp:	115705
Ion Ratio	Lower	Upper	
97	100		
83	82.7	66.6	99.8
85	53.5	42.7	64.1
99	60.2	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.503 ug/l

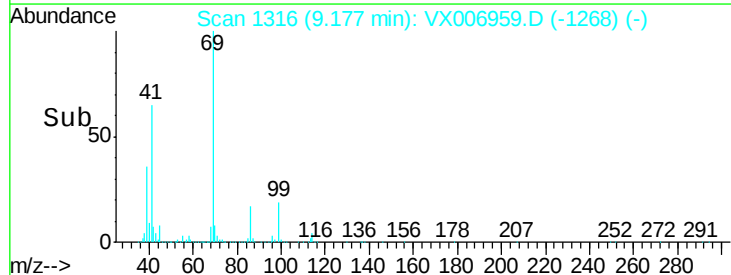
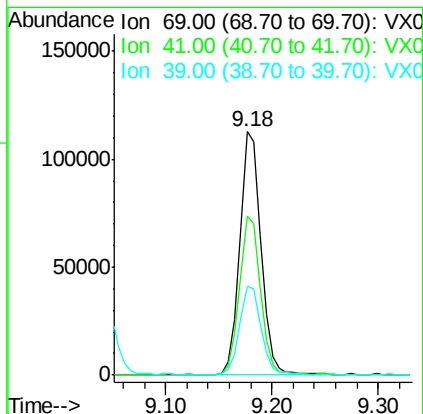
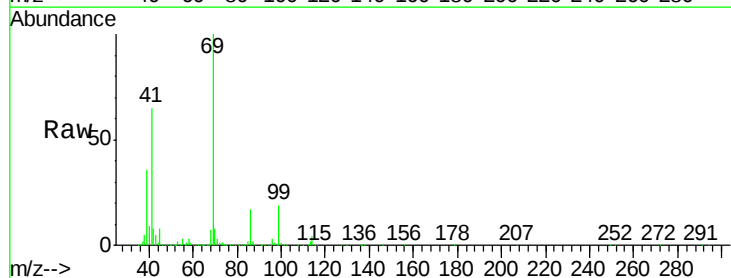
RT: 9.18 min Scan# 1316

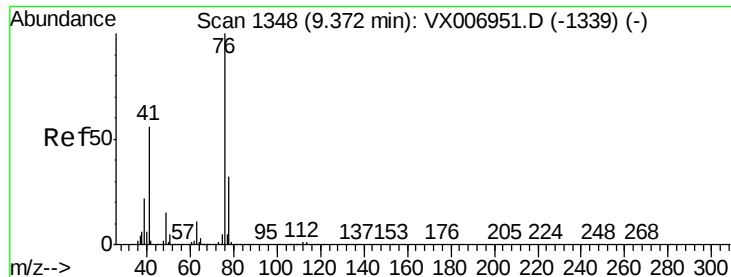
Delta R.T. -0.01 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	69	Resp:	159068
Ion Ratio	Lower	Upper	
69	100		
41	64.8	48.7	73.1
39	36.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 18.928 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 76 Resp: 182604

Ion Ratio Lower Upper

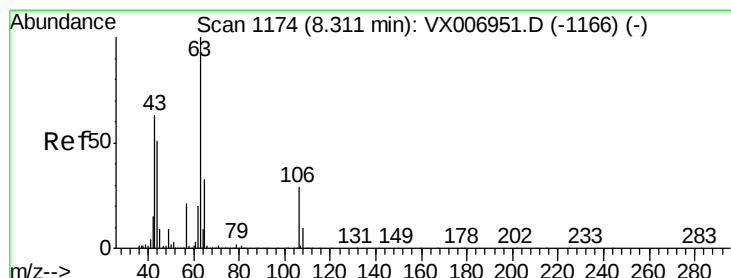
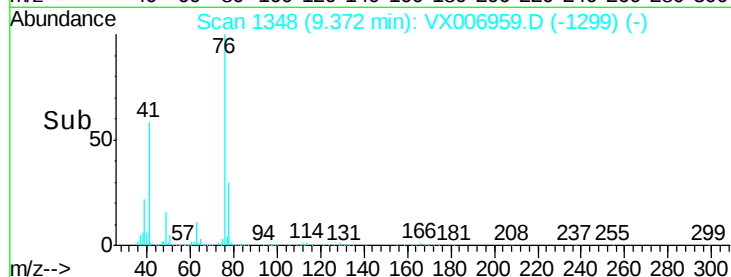
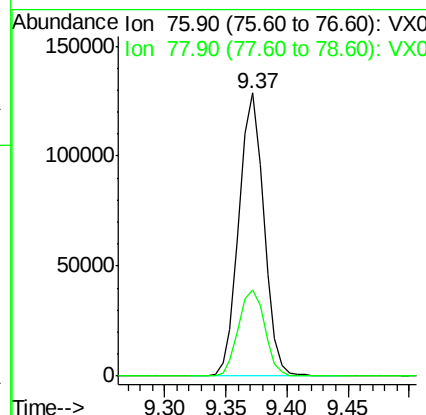
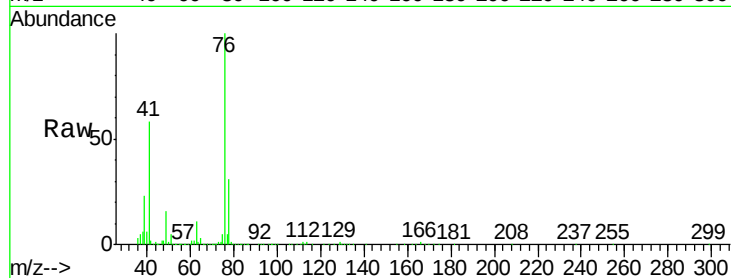
76 100

78 32.5 26.0 39.0

Manual Integrations
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1/10/2019 10:54:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.153 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006959.D

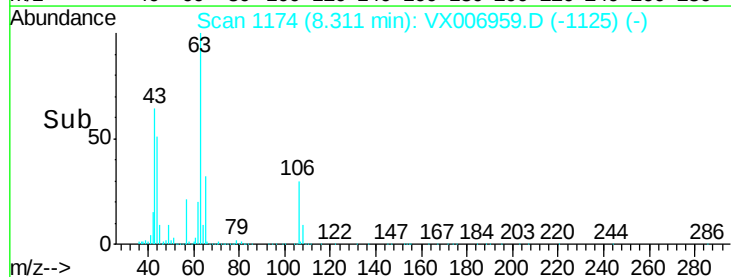
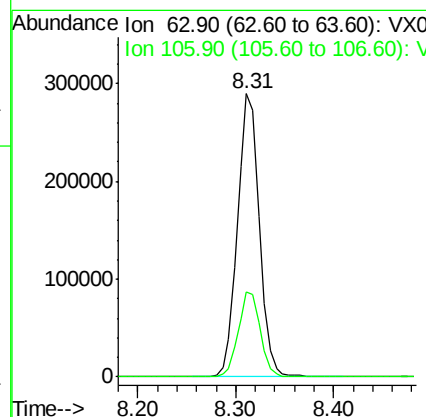
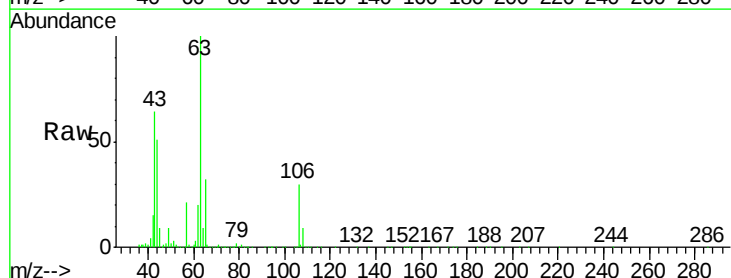
Acq: 09 Jan 2019 11:52

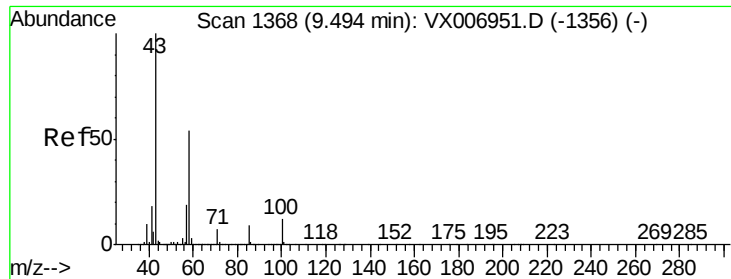
Tgt Ion: 63 Resp: 447114

Ion Ratio Lower Upper

63 100

106 30.3 24.6 36.8





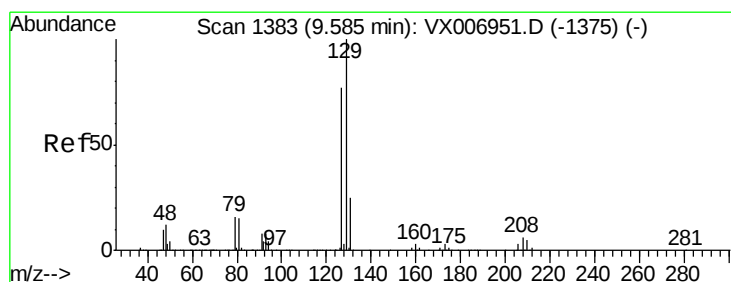
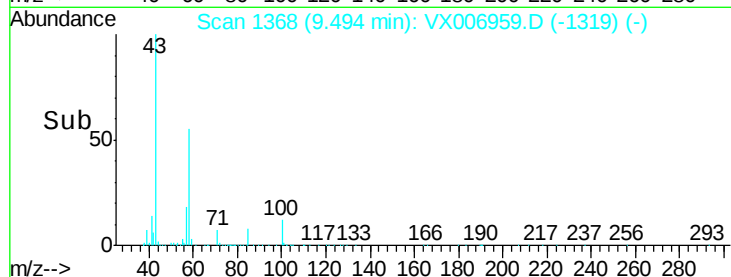
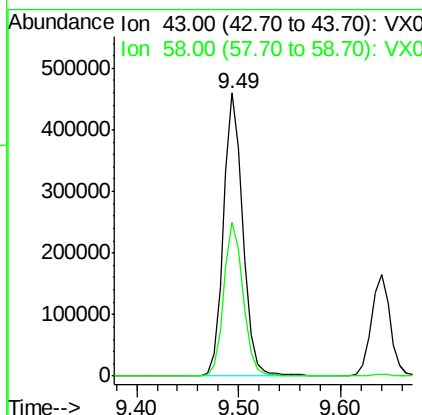
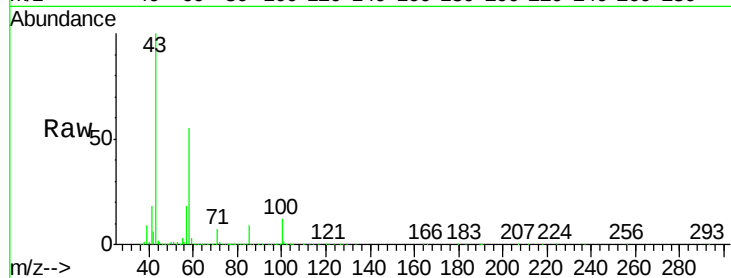
#59
2-Hexanone
Concen: 97.341 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion: 43 Resp: 604775
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

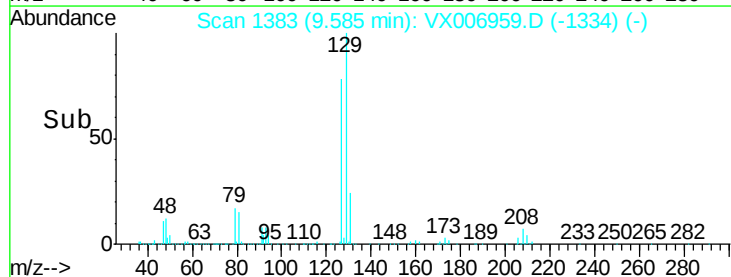
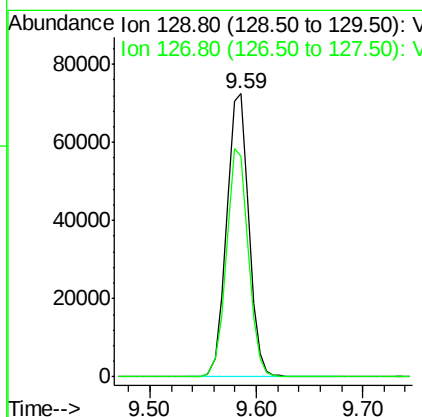
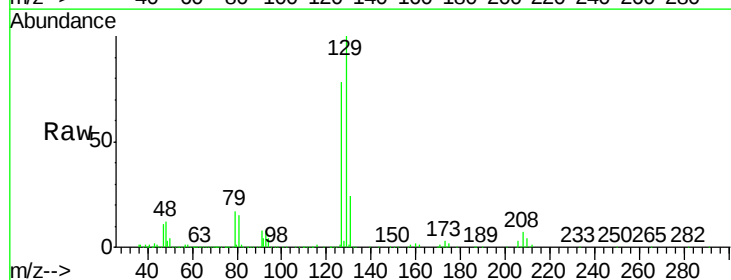
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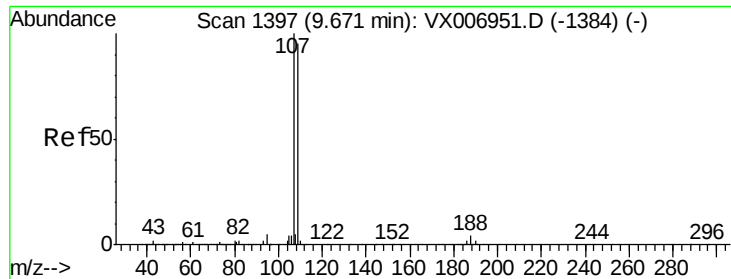
MMDadoda
1/10/2019 10:54:09 AM



#60
Dibromochloromethane
Concen: 18.584 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion: 129 Resp: 106265
Ion Ratio Lower Upper
129 100
127 79.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 18.925 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 107 Resp: 122689

Ion Ratio Lower Upper

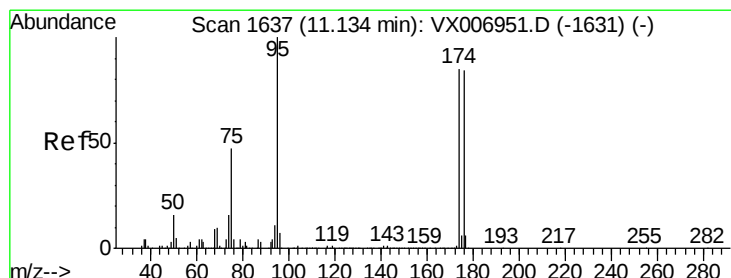
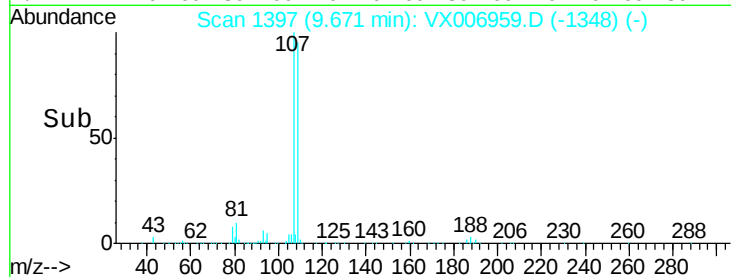
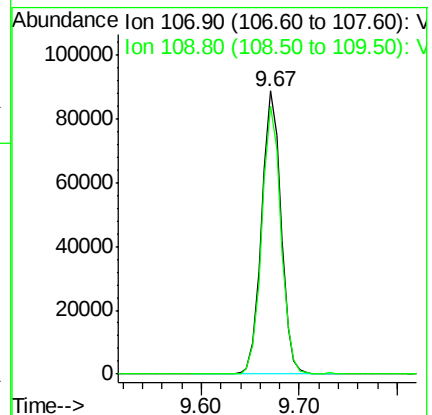
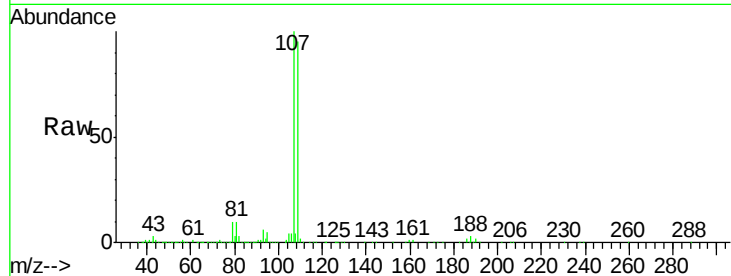
107 100

109 93.7 75.8 113.6

Manual Integrations
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MMDadoda

1/10/2019 10:54:09 AM



#62

4-Bromofluorobenzene

Concen: 47.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

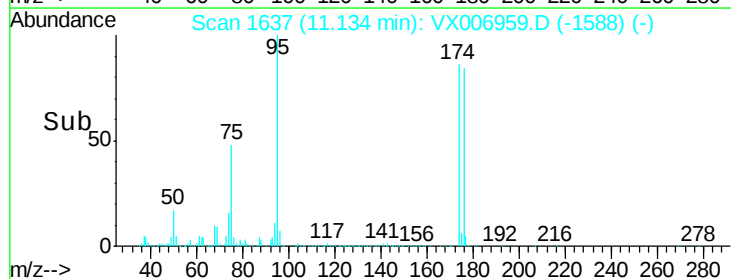
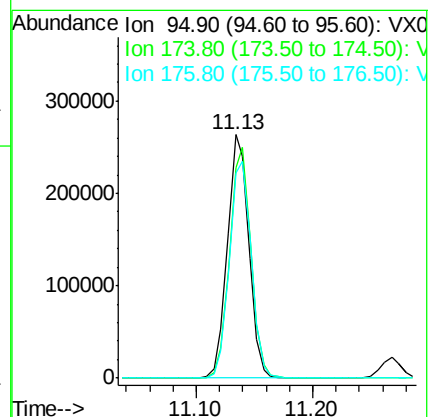
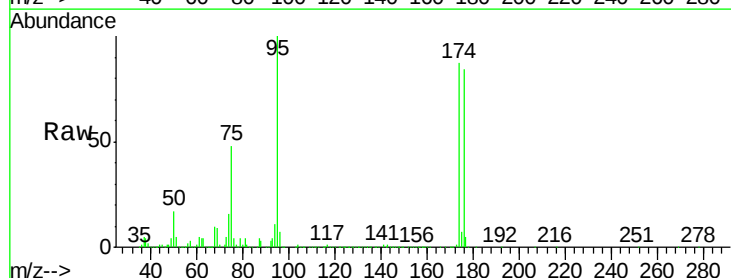
Tgt Ion: 95 Resp: 333113

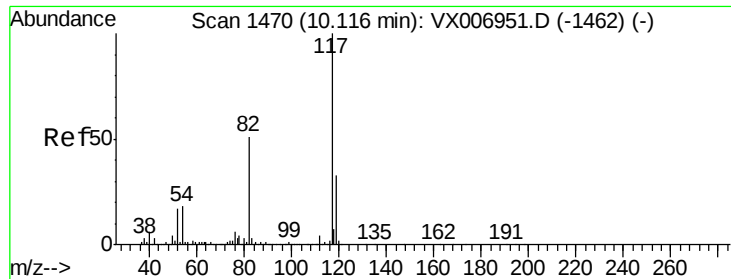
Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.2

176 92.0 0.0 178.8





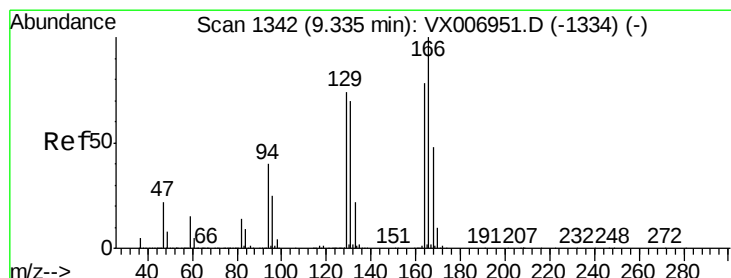
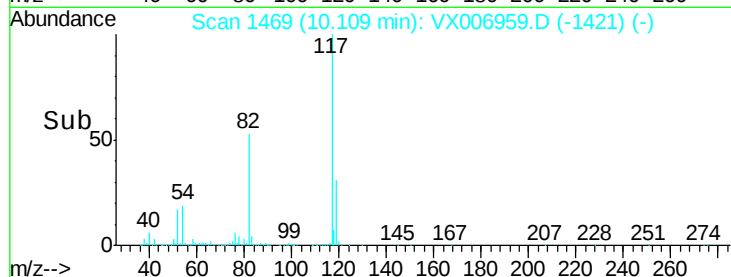
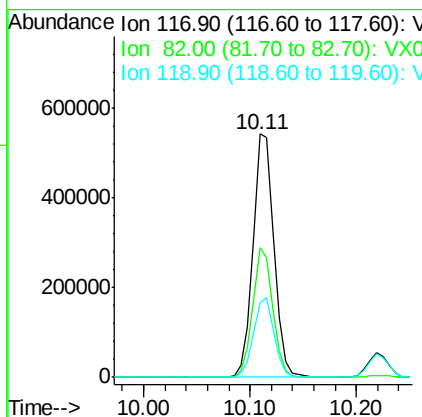
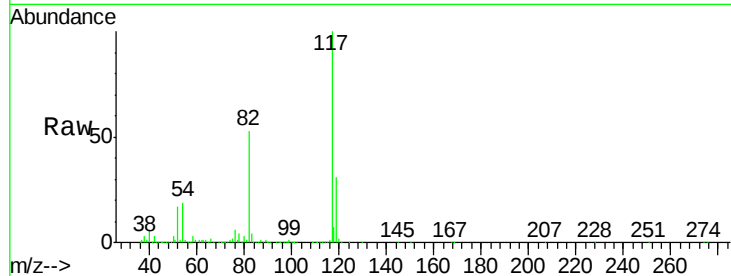
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.0	61.6
119	30.5	25.4	38.0

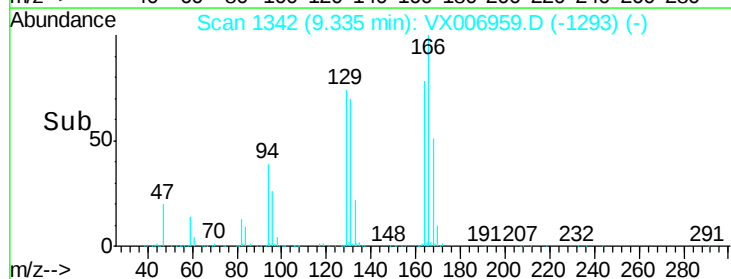
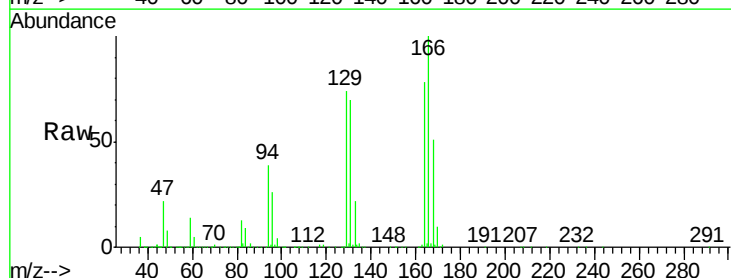
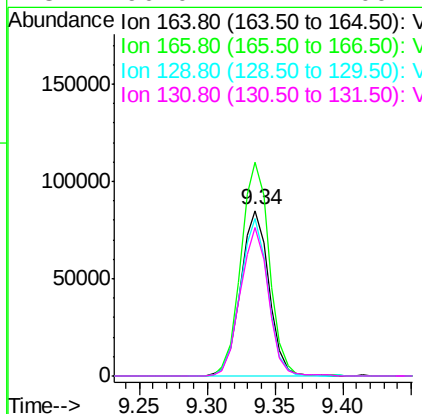
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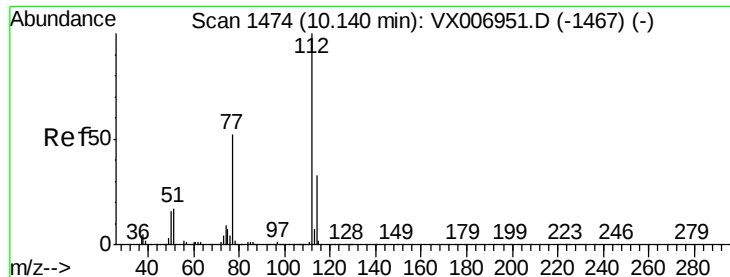
MMDadoda
1/10/2019 10:54:09 AM



#64
Tetrachloroethene
Concen: 19.039 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.5	153.7
129	95.2	75.1	112.7
131	90.0	72.7	109.1





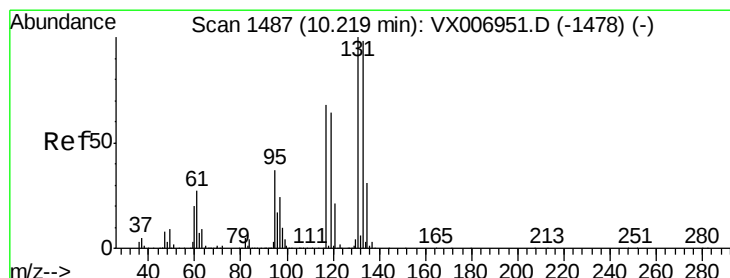
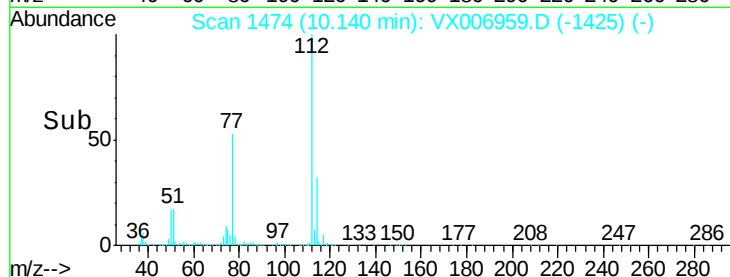
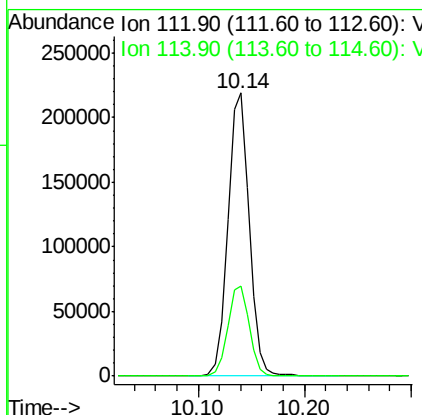
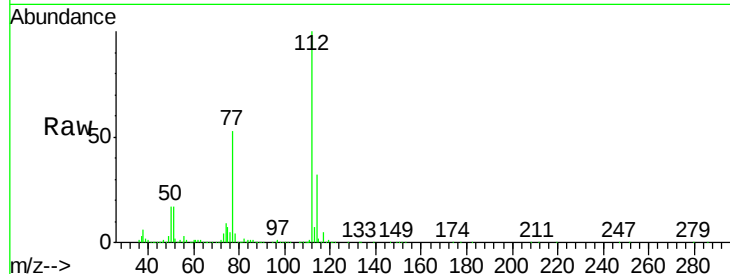
#65
Chlorobenzene
Concen: 18.773 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion:112 Resp: 307141
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

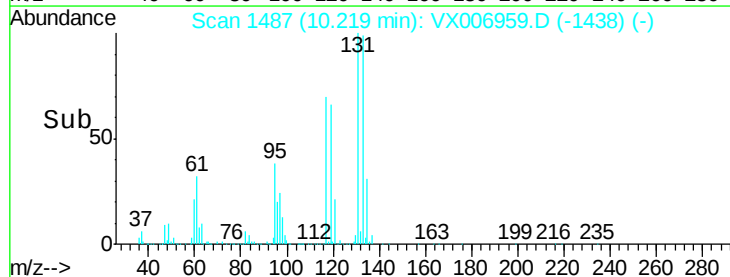
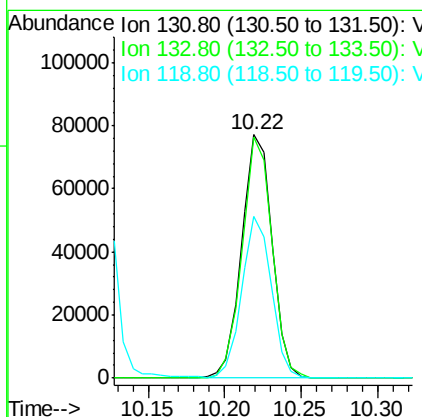
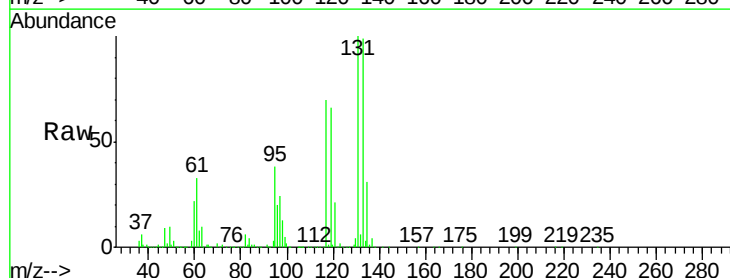
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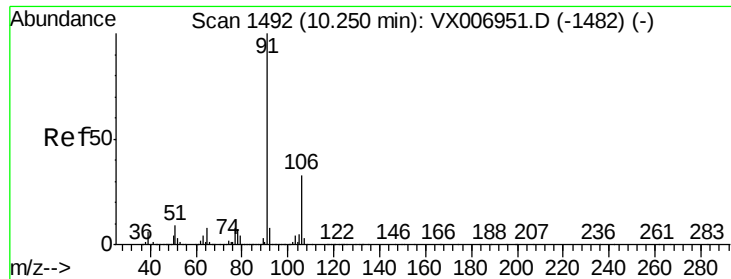
MMDadoda
1/10/2019 10:54:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.418 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion:131 Resp: 106873
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.2
119 64.6 32.6 97.8





#67

Ethyl Benzene

Concen: 18.736 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 91 Resp: 506061

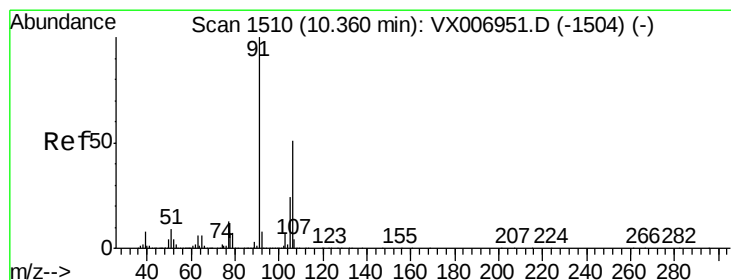
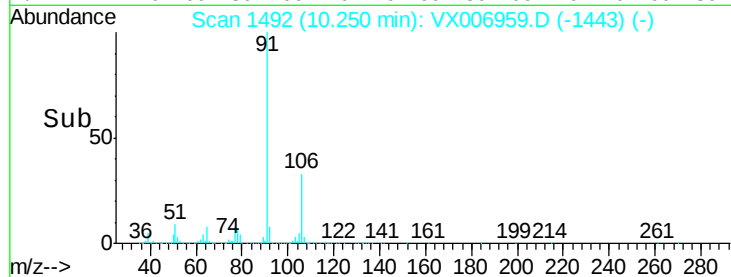
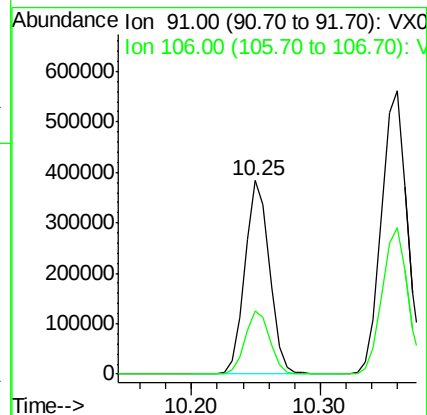
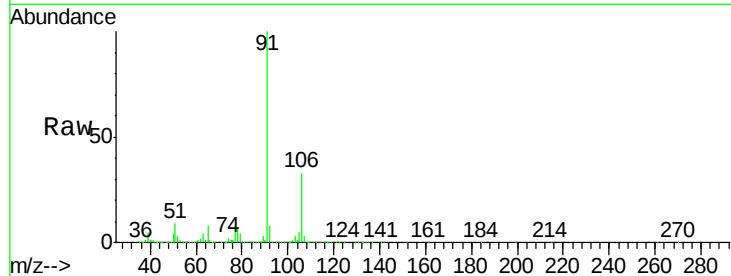
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

Manual Integrations
APPROVED

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1/10/2019 10:54:09 AM



#68

m/p-Xylenes

Concen: 37.360 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006959.D

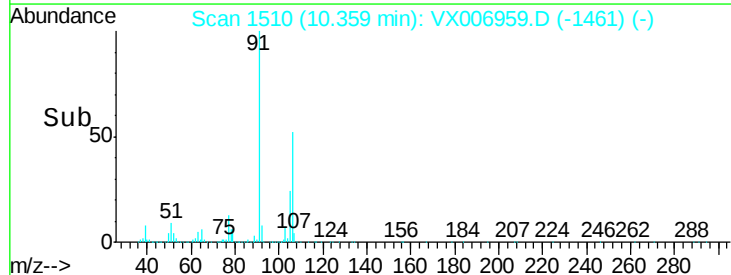
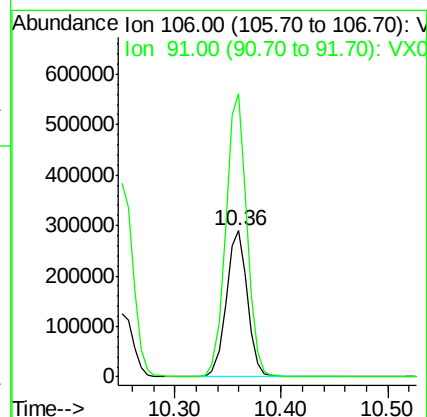
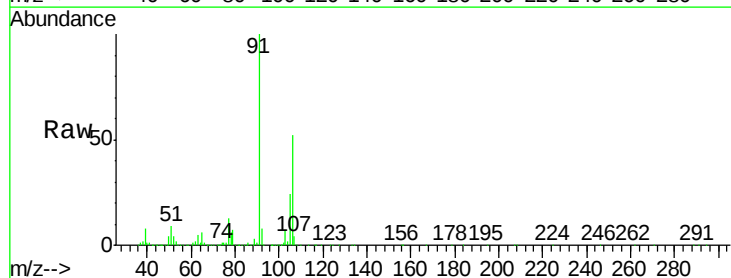
Acq: 09 Jan 2019 11:52

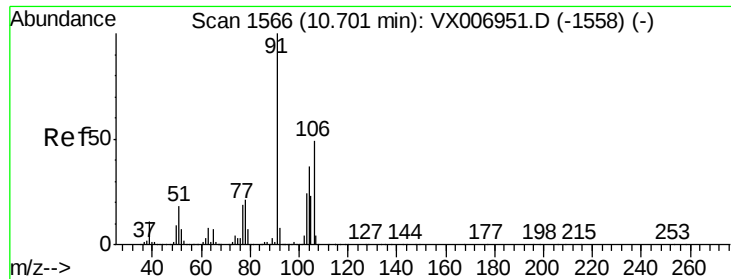
Tgt Ion: 106 Resp: 397562

Ion Ratio Lower Upper

106 100

91 195.1 155.8 233.6





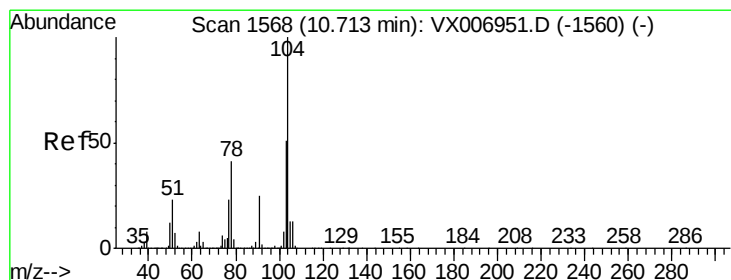
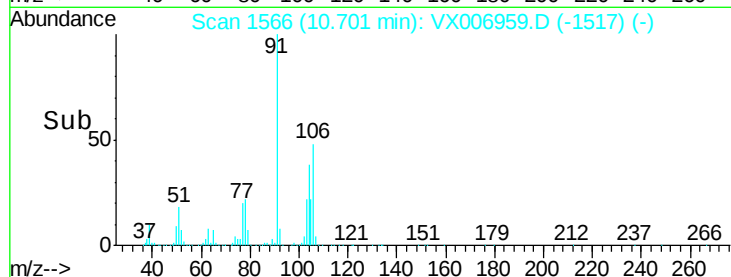
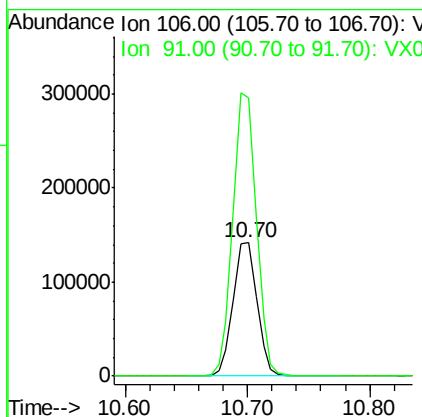
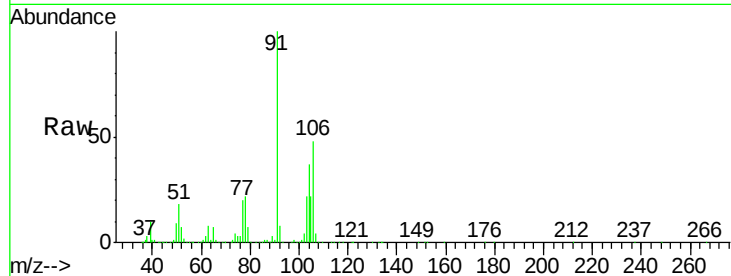
#69
o-Xylene
Concen: 18.552 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.7	101.3	303.7

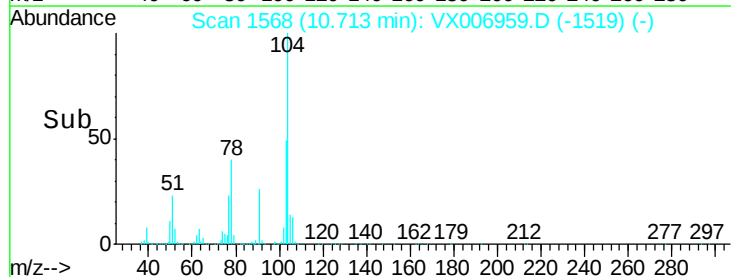
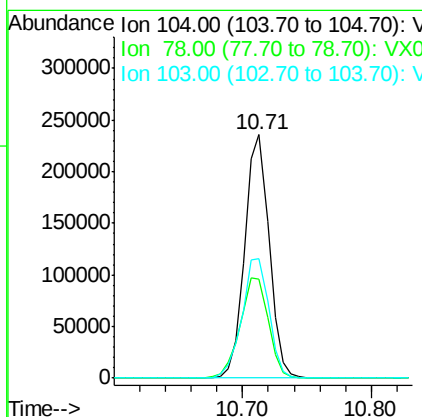
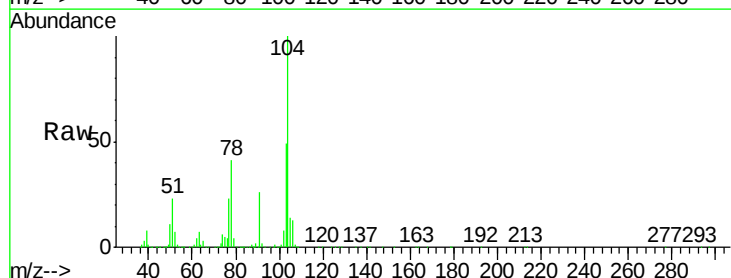
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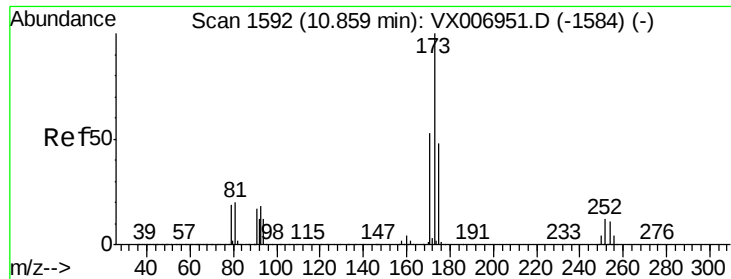
MMDadoda
1/10/2019 10:54:09 AM



#70
Styrene
Concen: 18.786 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.7	56.5
103	54.9	43.8	65.8





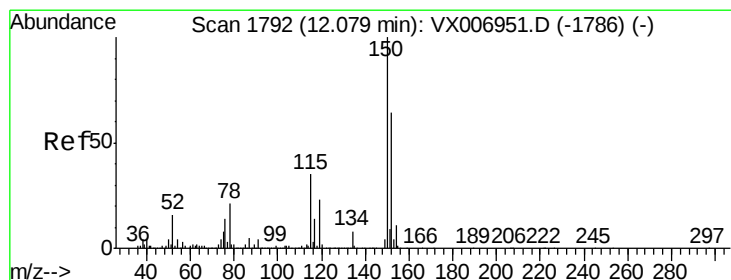
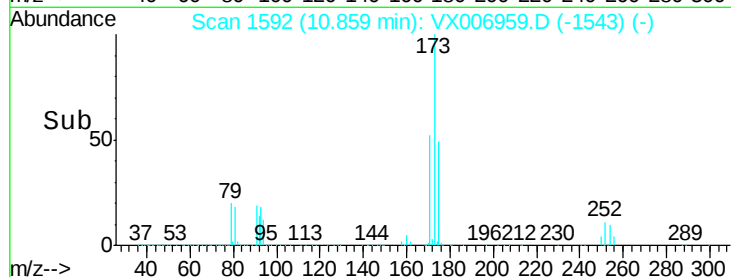
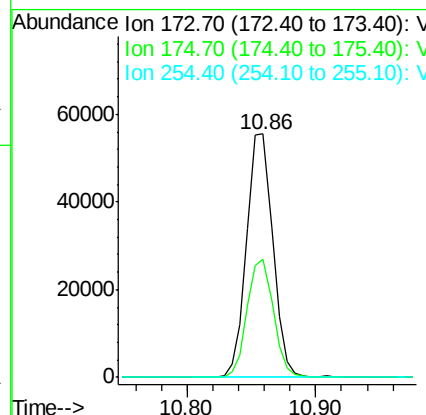
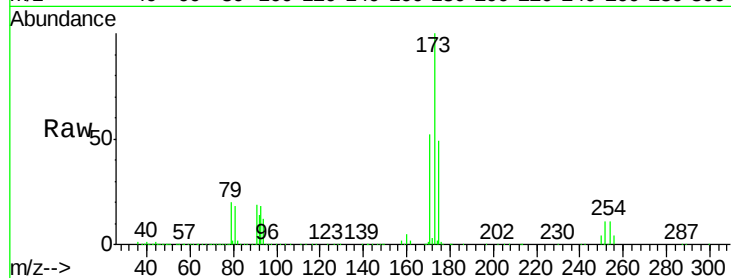
#71
Bromoform
Concen: 19.141 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.2	0.2#

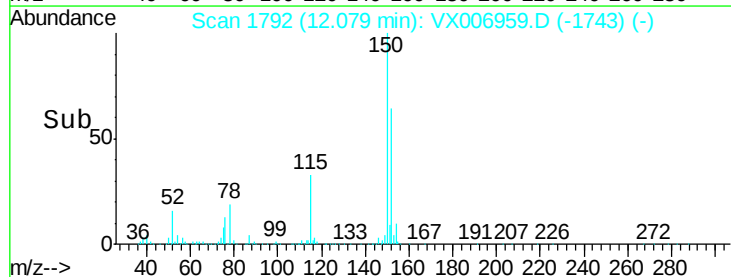
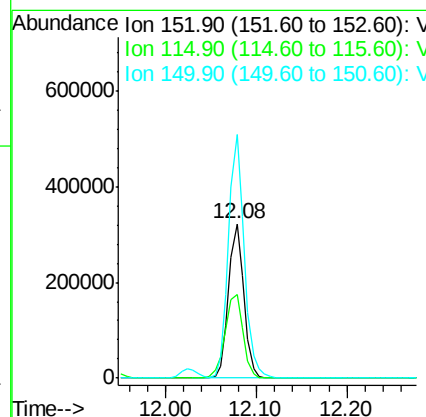
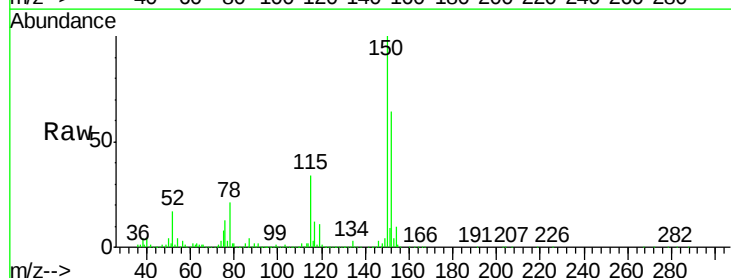
Manual Integrations
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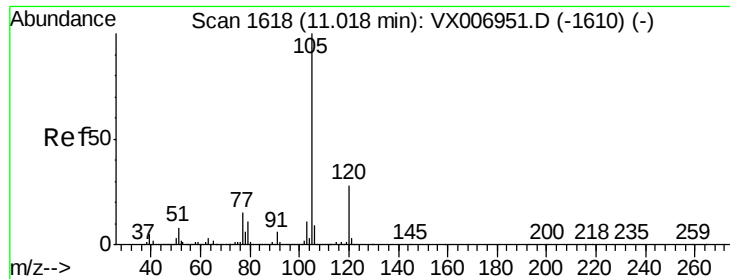
MMDadoda
1/10/2019 10:54:09 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	39.1	117.2
150	163.2	0.0	344.8





#73

Isopropylbenzene

Concen: 19.242 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion:105 Resp: 514264

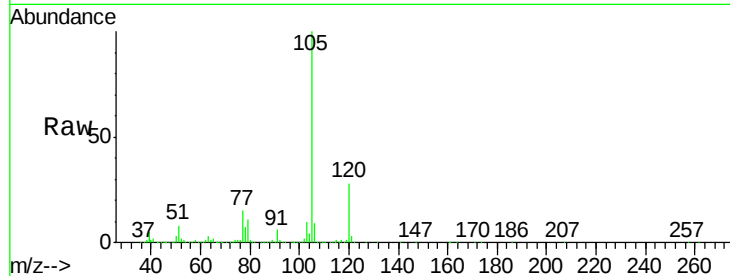
Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.4

Manual Integrations
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1/10/2019 10:54:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

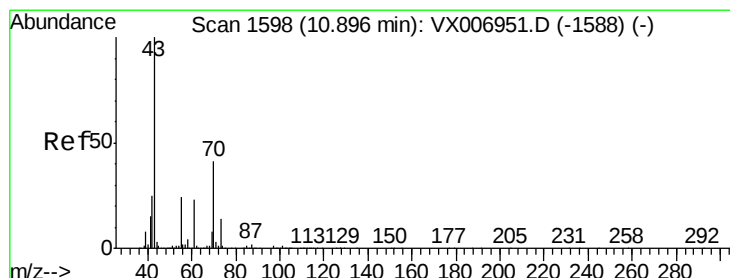
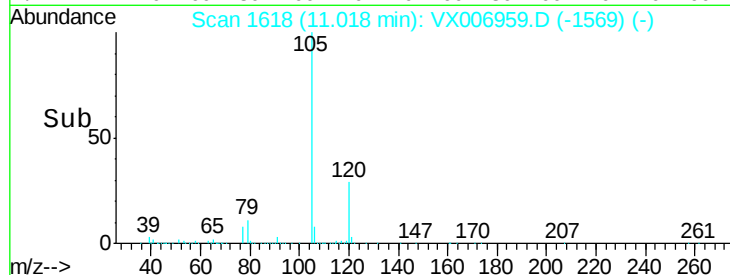
0

11.00

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.546 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion: 43 Resp: 210329

Ion Ratio Lower Upper

43 100

70 41.3 35.8 53.8

55 24.6 19.4 29.0

61 24.1 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

100000

50000

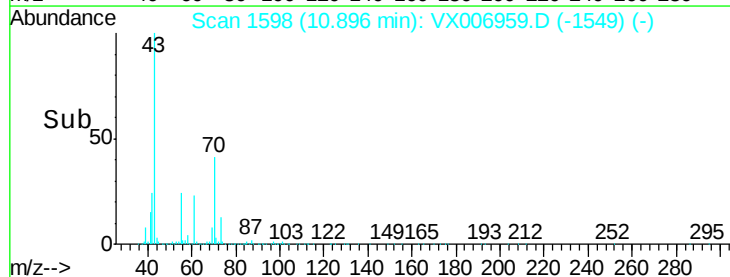
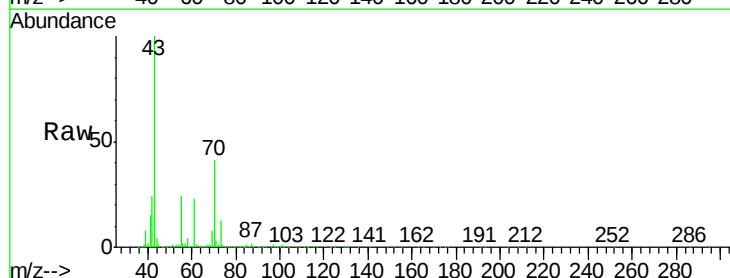
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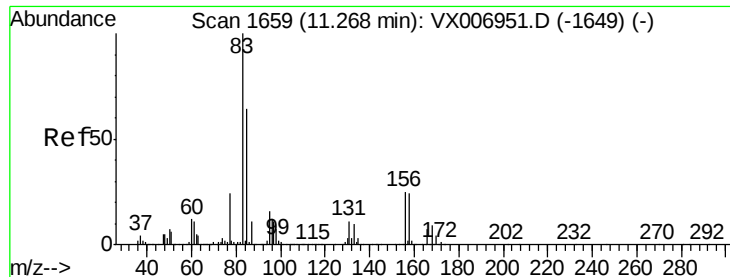
10.80

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.040 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion: 83 Resp: 161550

Ion Ratio Lower Upper

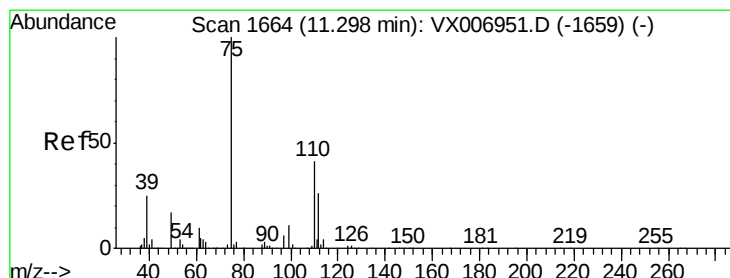
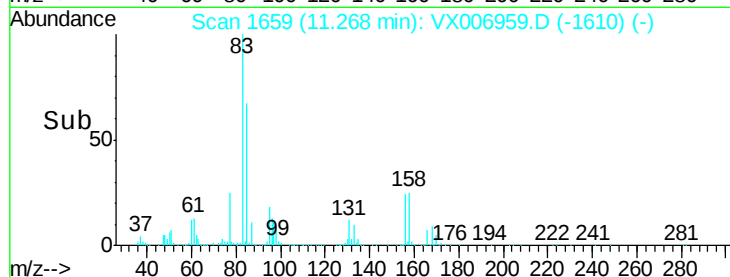
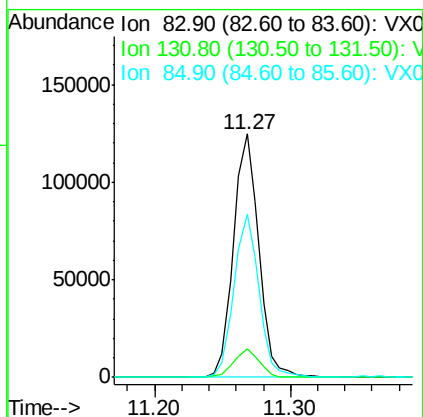
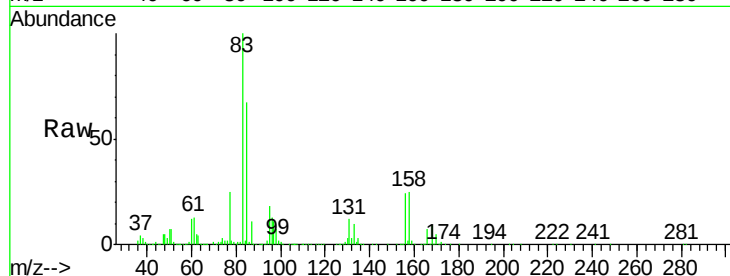
83 100

131 11.6 5.7 17.1

85 66.6 32.2 96.6

Manual Integrations
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1/10/2019 10:54:09 AM



#76

1,2,3-Trichloropropane

Concen: 20.013 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006959.D

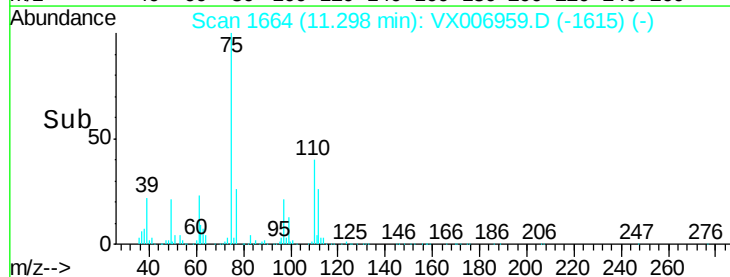
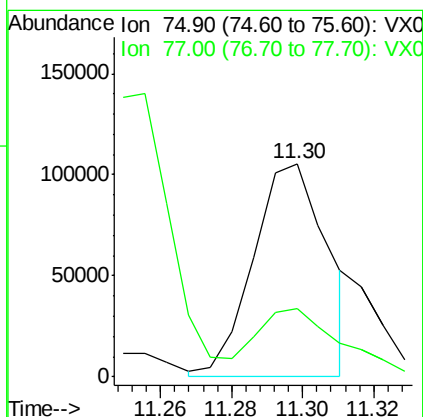
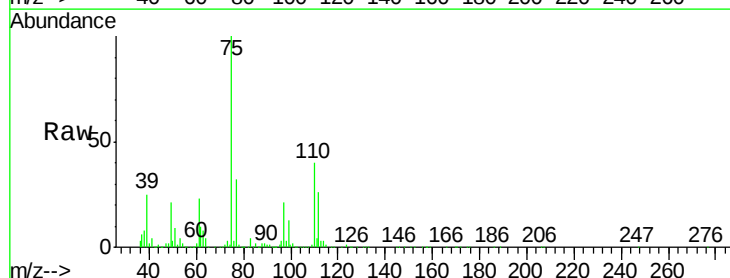
Acq: 09 Jan 2019 11:52

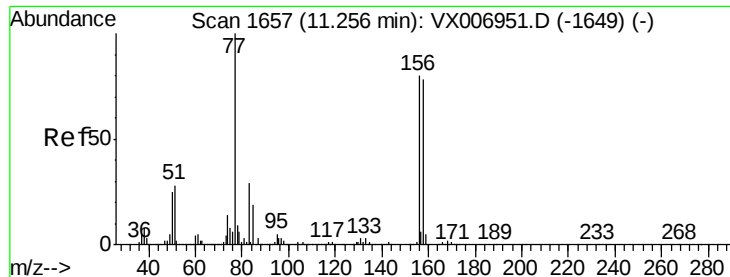
Tgt Ion: 75 Resp: 153712

Ion Ratio Lower Upper

75 100

77 36.4 18.5 55.5





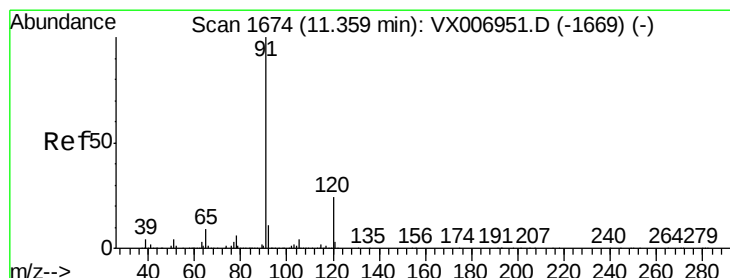
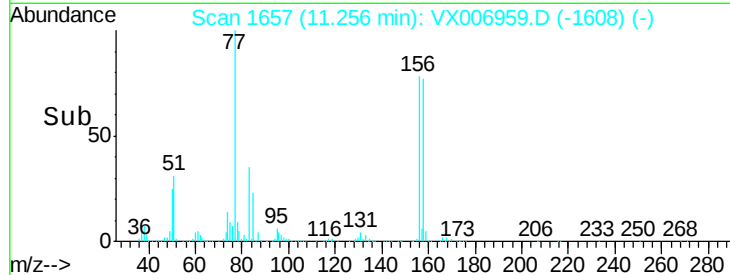
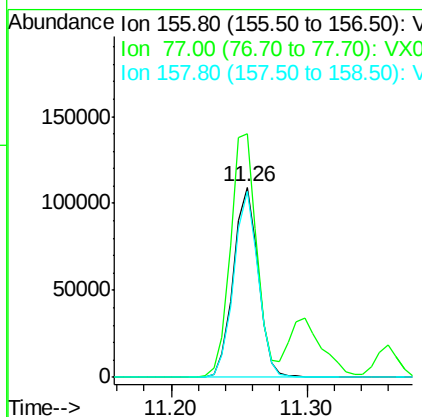
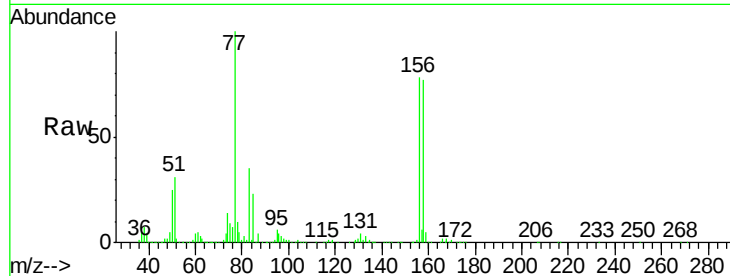
#77
Bromobenzene
Concen: 18.942 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.8	68.0	204.0
158	96.1	48.3	144.8

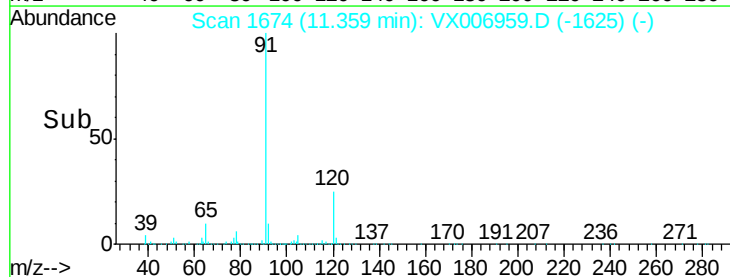
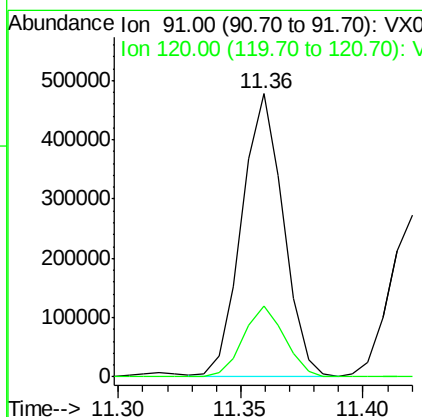
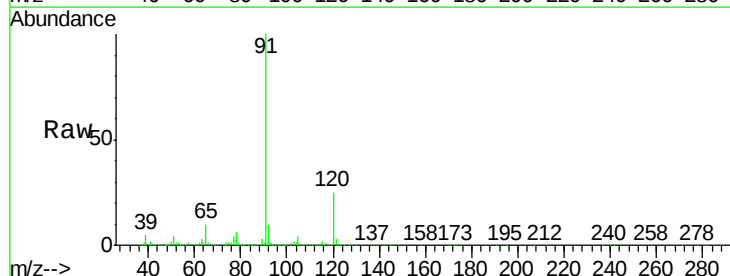
Manual Integrations
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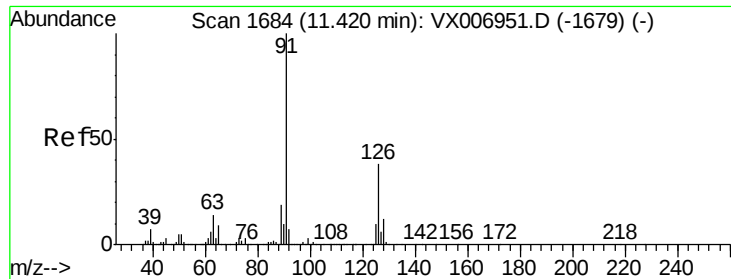
MMDadoda
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#78
n-propylbenzene
Concen: 19.085 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.7	38.0





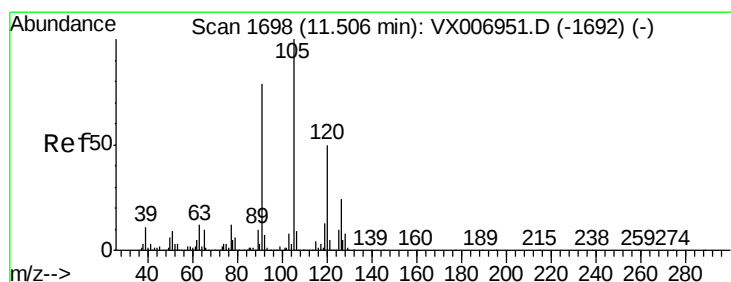
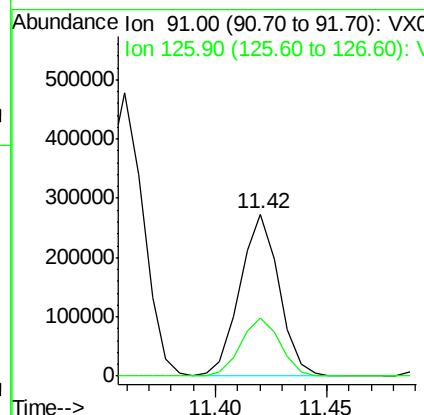
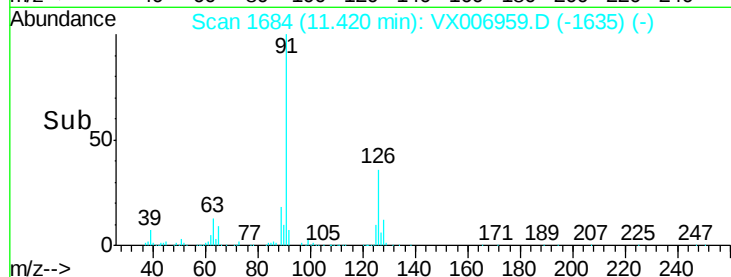
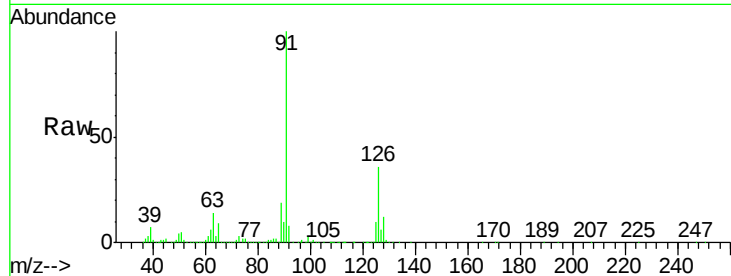
#79
 2-Chlorotoluene
 Concen: 18.822 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Tot Ion: 91 Resp: 332415
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.6 56.0

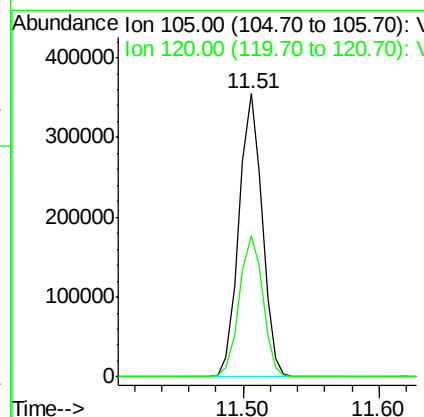
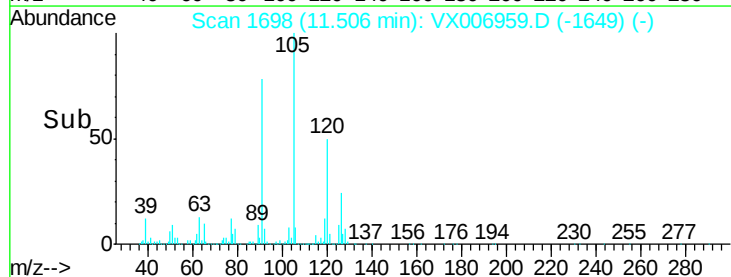
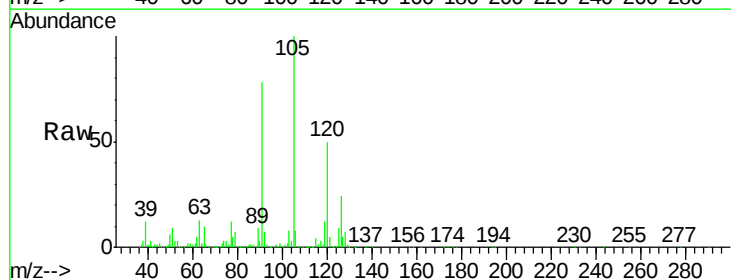
Manual Integrations
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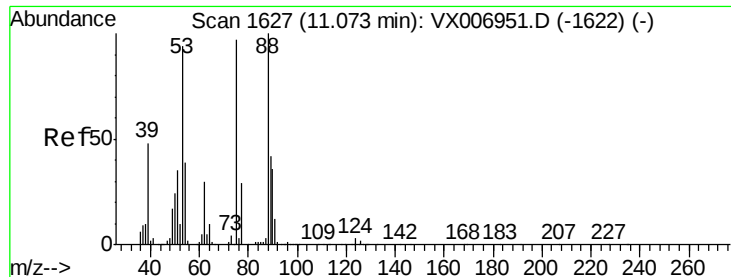
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 1/10/2019 10:54:09 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.859 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Tgt Ion: 105 Resp: 421158
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.504 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

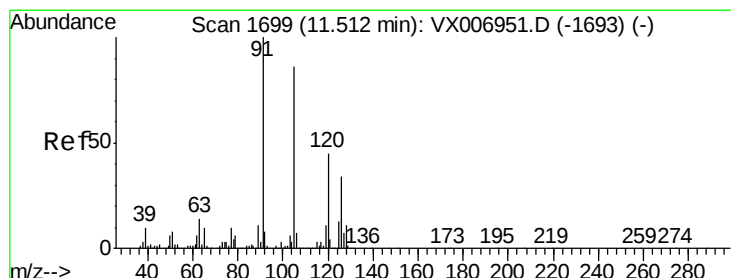
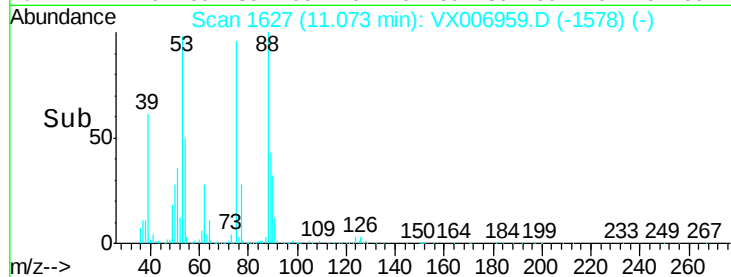
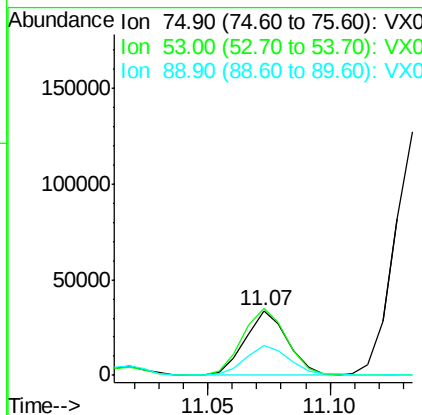
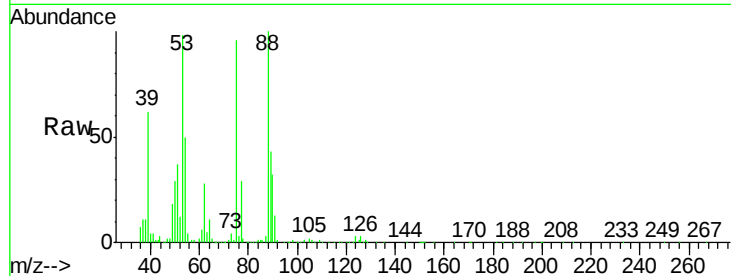
ClientSampleId :

VX0109WBS01

Tot Ion:	75	Resp:	40534
Ion Ratio	Lower	Upper	
75	100		
53	106.9	79.7	119.5
89	49.1	38.0	57.0

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#82

4-Chlorotoluene

Concen: 18.923 ug/l

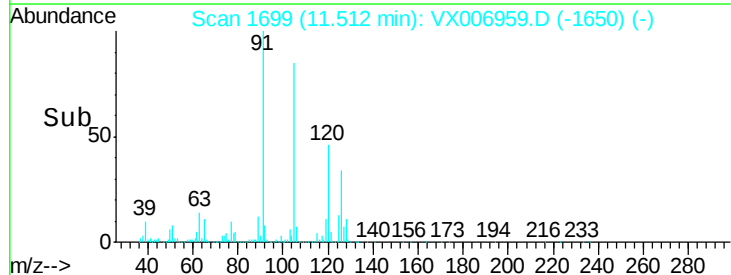
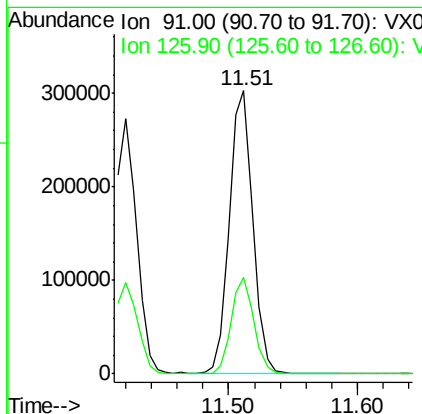
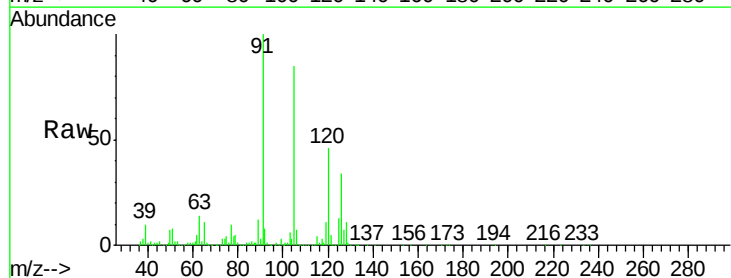
RT: 11.51 min Scan# 1699

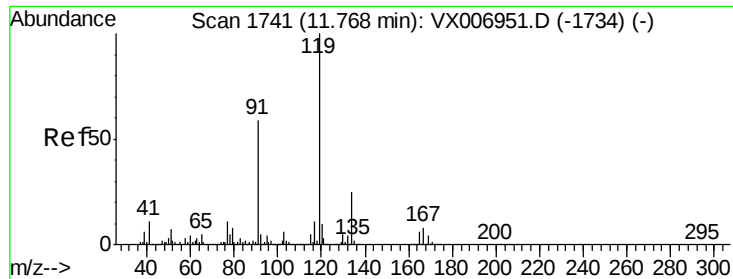
Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	91	Resp:	386955
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.080 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBS01

Tot Ion:119 Resp: 425118

Ion Ratio Lower Upper

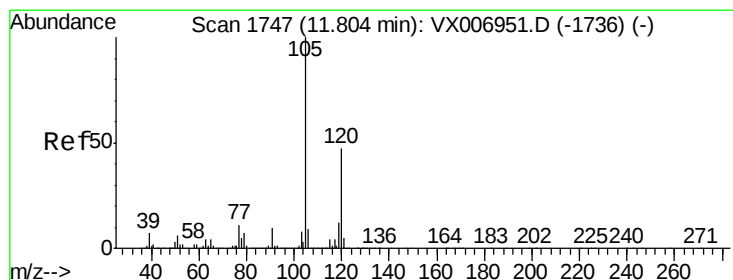
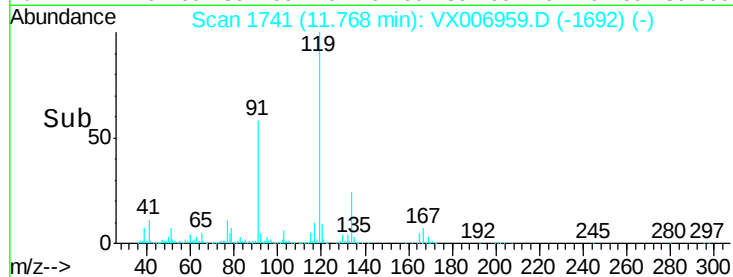
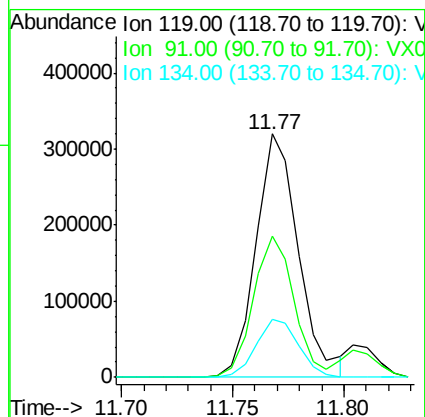
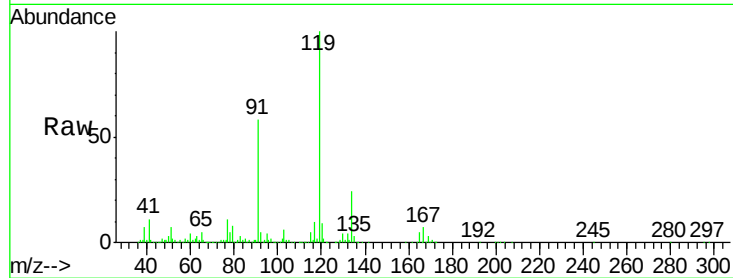
119 100

91 55.6 27.7 83.1

134 24.1 11.9 35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.231 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006959.D

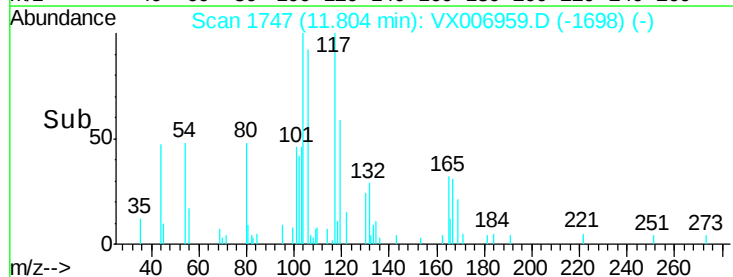
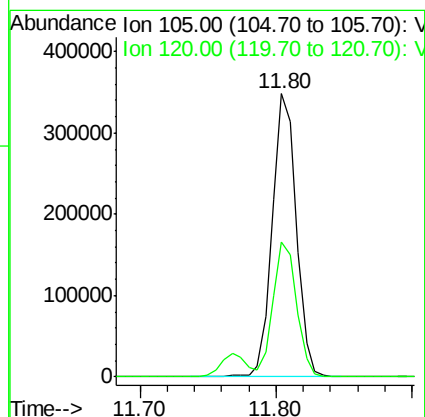
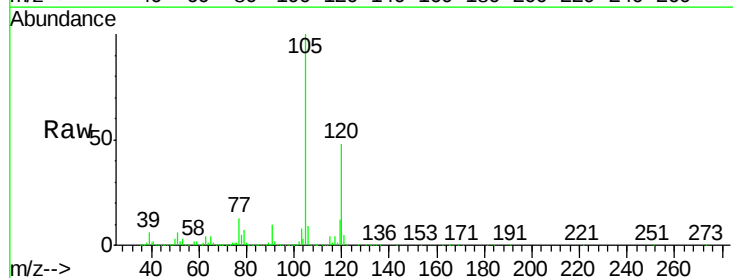
Acq: 09 Jan 2019 11:52

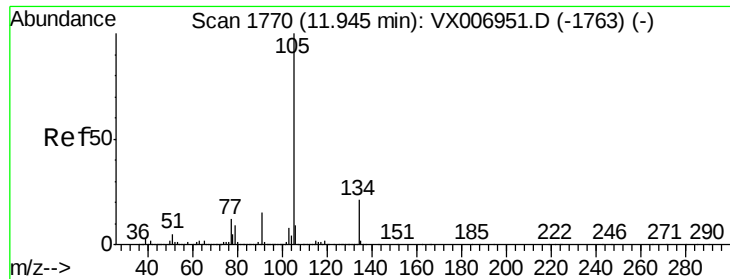
Tgt Ion:105 Resp: 431862

Ion Ratio Lower Upper

105 100

120 46.7 23.2 69.6





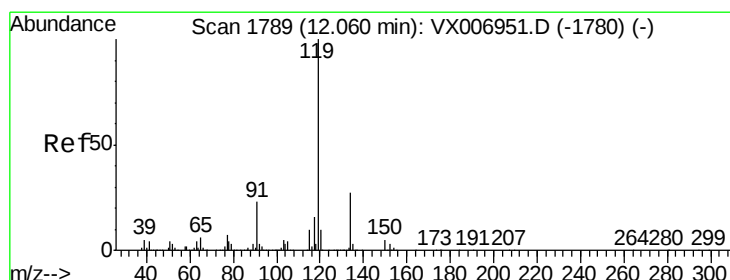
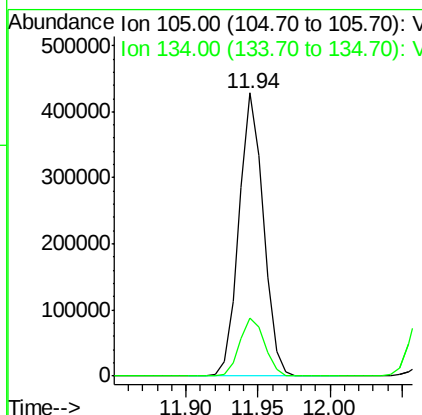
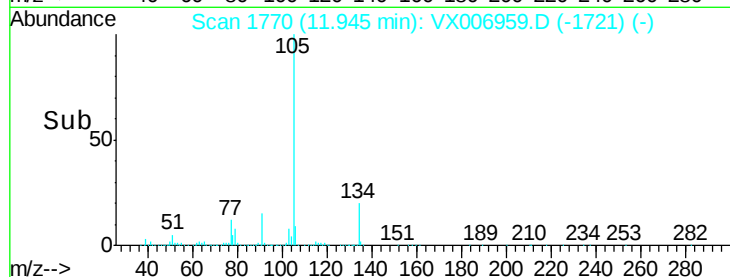
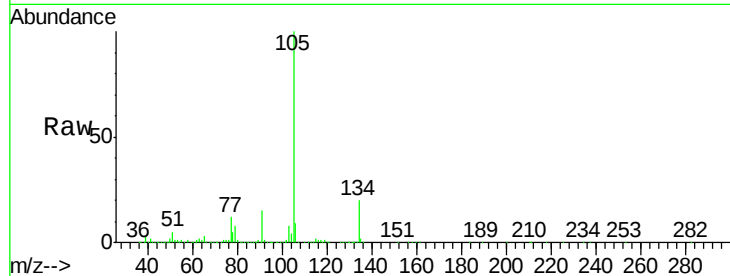
#85
 sec-Butylbenzene
 Concen: 19.008 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.7	31.9

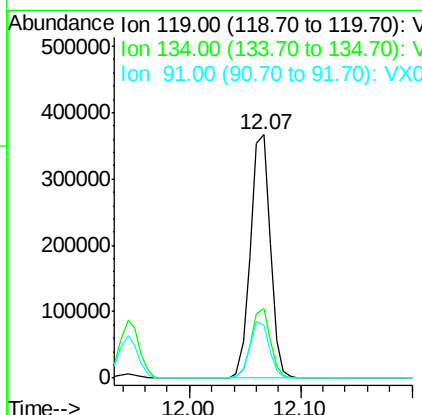
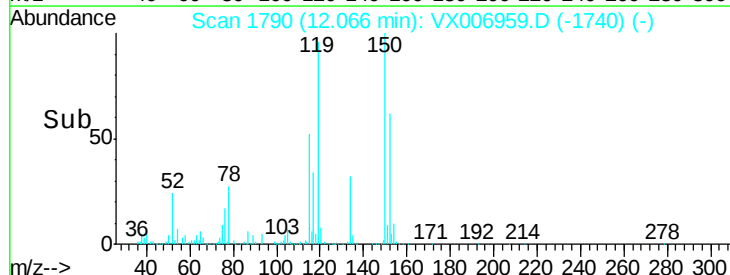
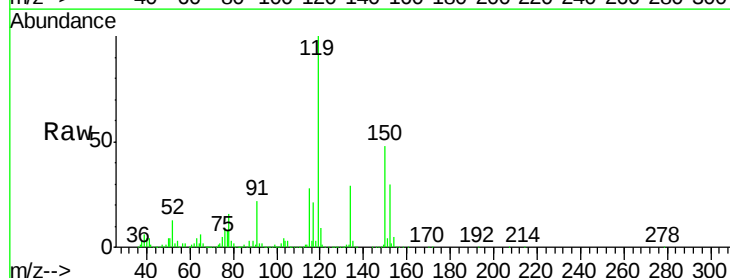
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#86
 p-Isopropyltoluene
 Concen: 19.110 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	14.0	41.9
91	22.5	11.3	33.9





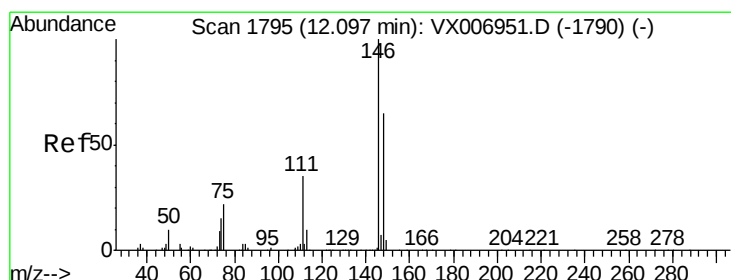
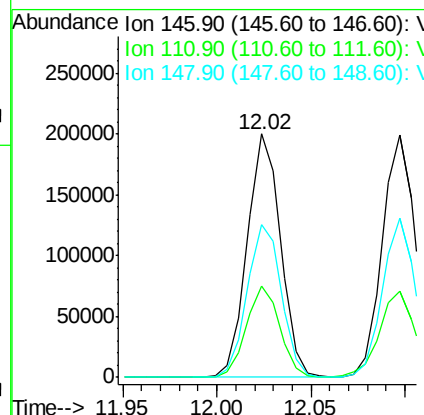
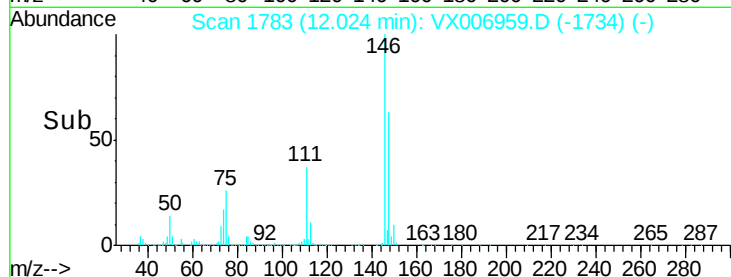
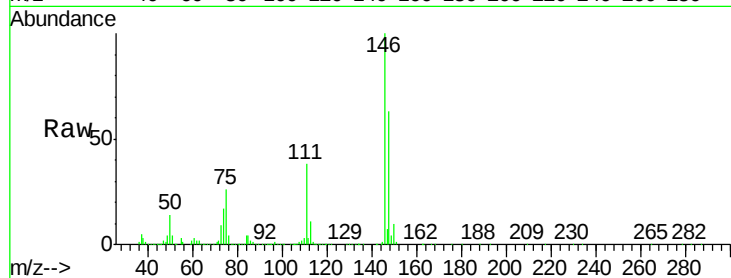
#87
 1,3-Dichlorobenzene
 Concen: 18.478 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.8	31.8	95.3

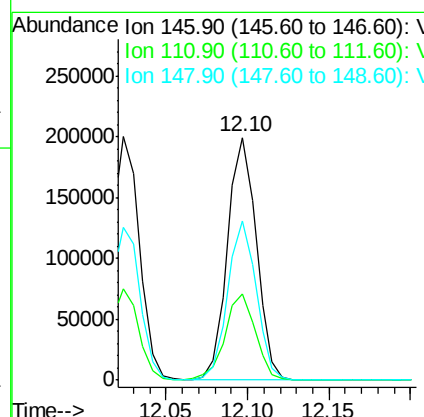
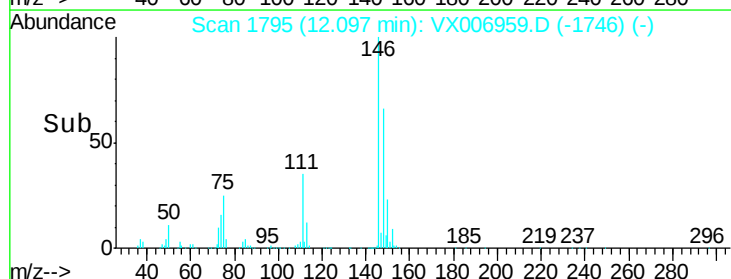
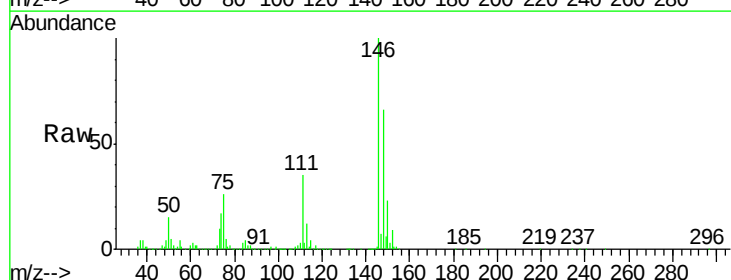
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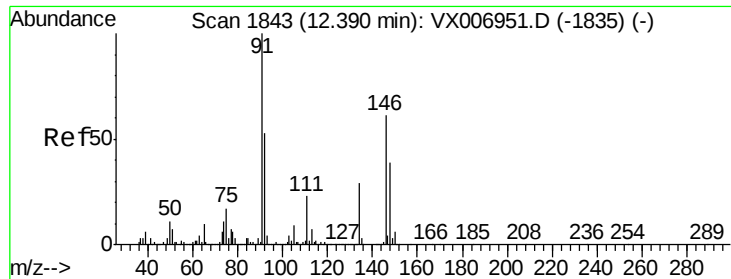
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#88
 1,4-Dichlorobenzene
 Concen: 19.607 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	65.2	31.9	95.9





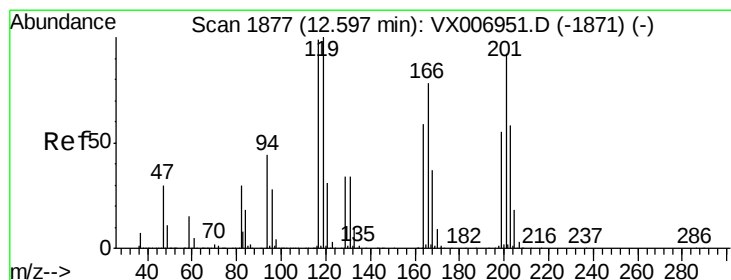
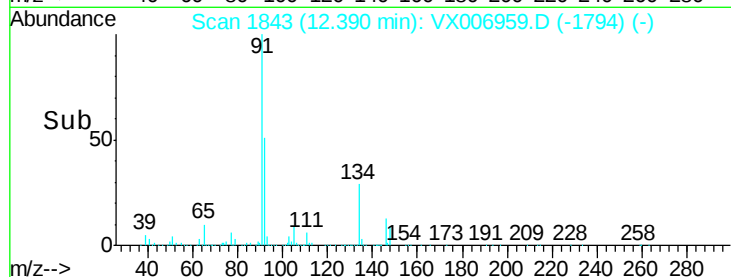
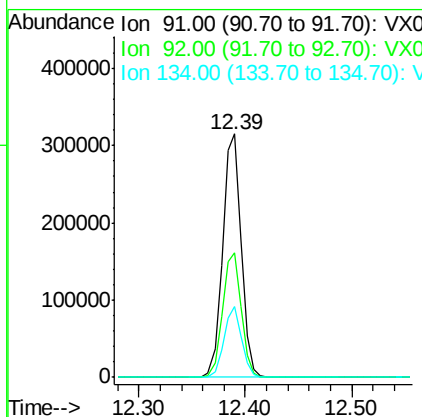
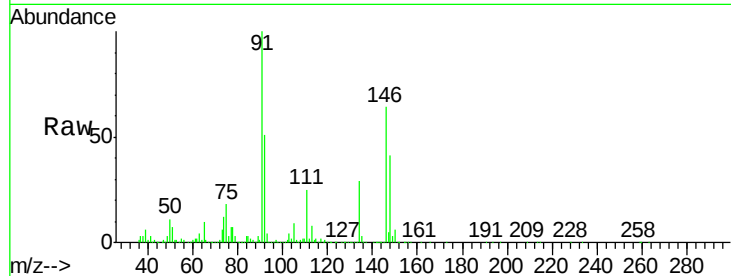
#89
n-Butylbenzene
Concen: 18.817 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	27.7	14.4	43.2

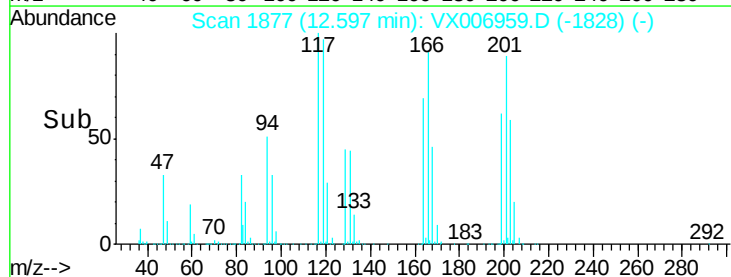
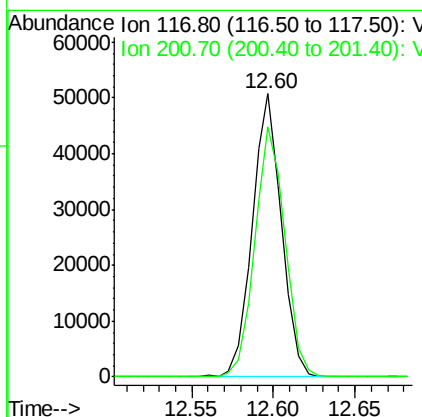
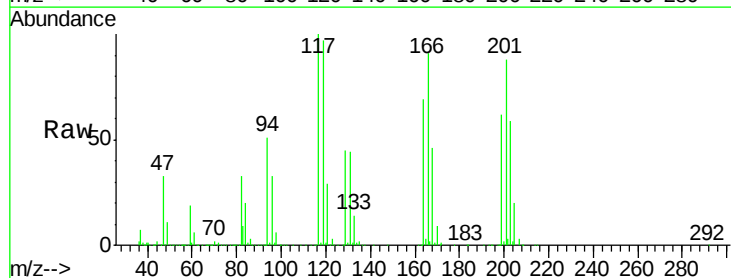
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#90
Hexachloroethane
Concen: 18.505 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006959.D
Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 18.561 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

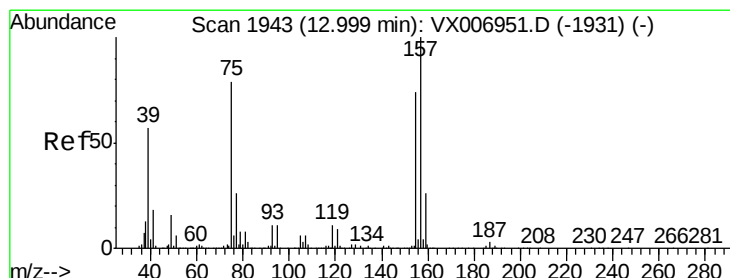
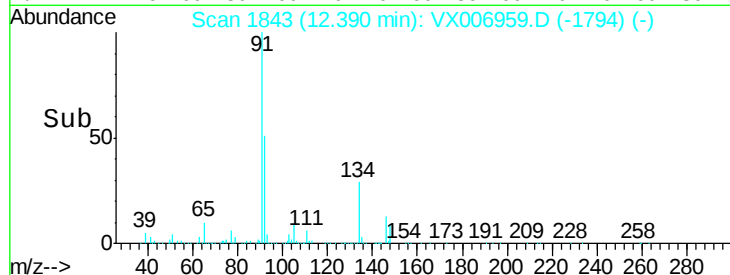
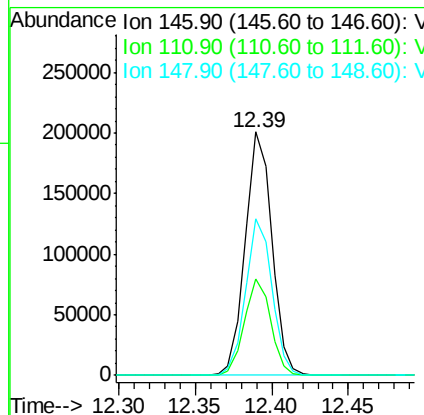
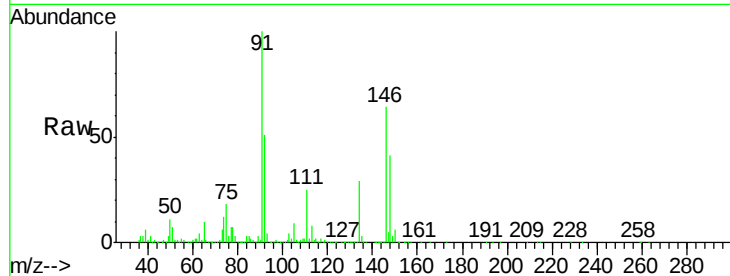
ClientSampleId :

VX0109WBS01

Tot Ion:	146	Resp:	243811
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.4	58.2
148	63.7	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.384 ug/l

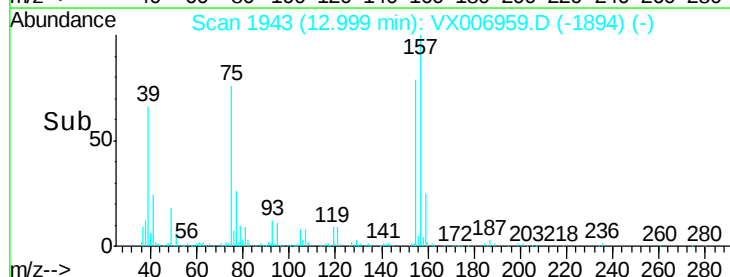
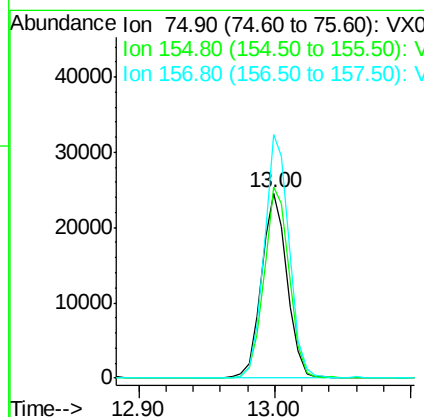
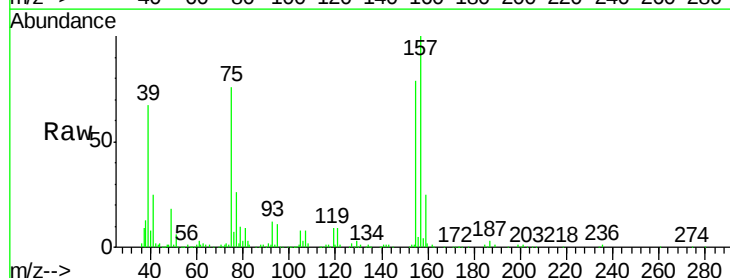
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	75	Resp:	32528
Ion Ratio	Lower	Upper	
75	100		
155	101.5	50.6	151.8
157	127.7	64.6	193.8





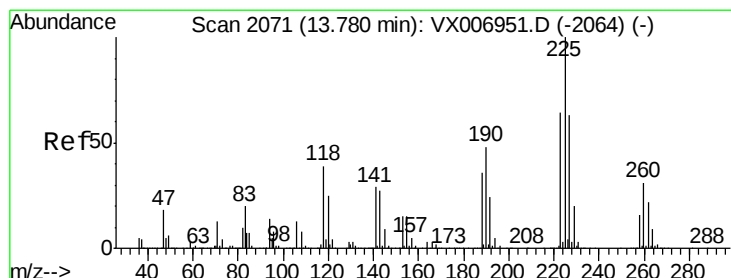
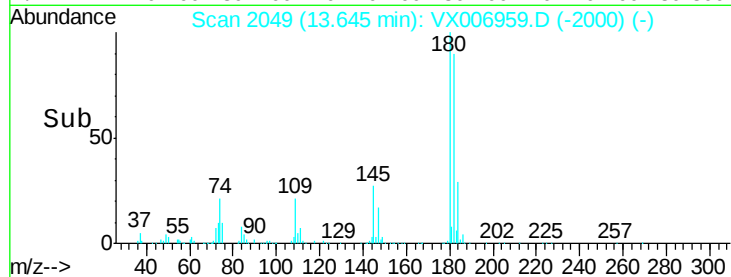
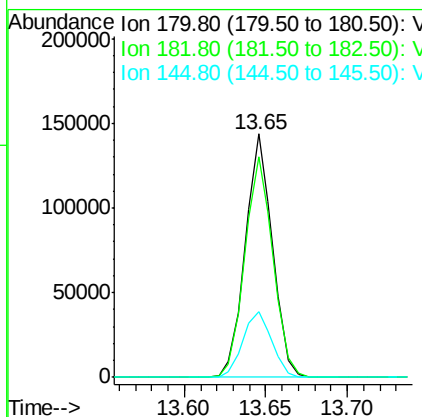
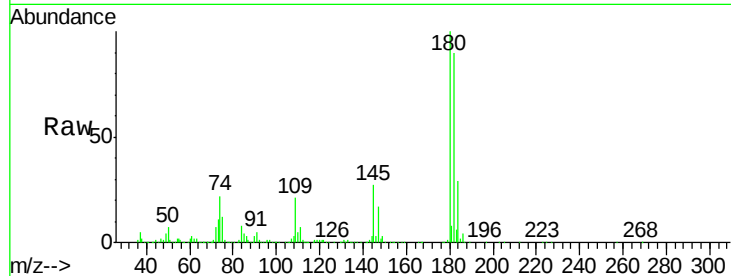
#93
 1,2,4-Trichlorobenzene
 Concen: 18.526 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166956		
182	94.1	47.3	142.0	
145	28.8	14.8	44.3	

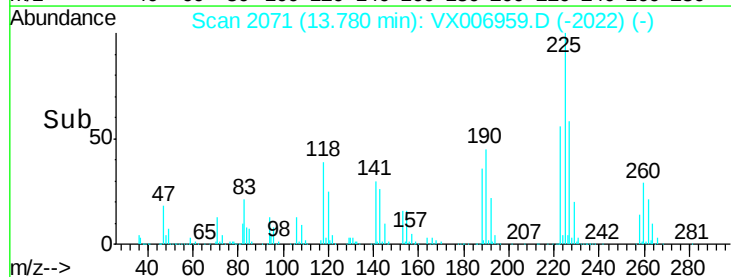
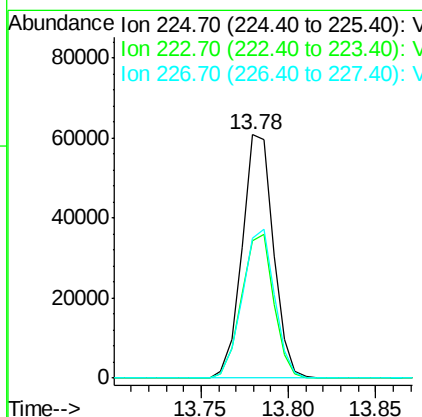
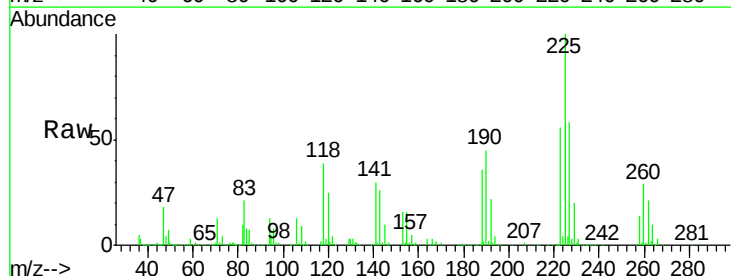
Manual Integrations
 APPROVED

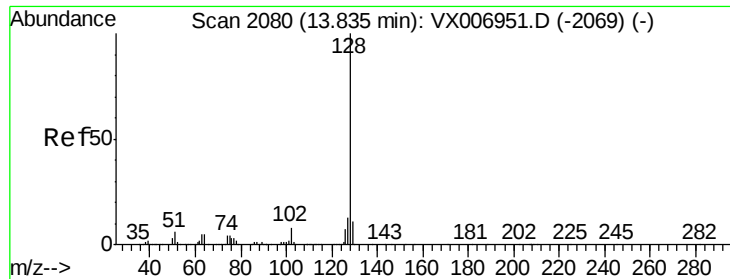
MMDadoda
 1/10/2019 10:54:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.959 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006959.D
 Acq: 09 Jan 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75819		
223	60.5	32.1	96.3	
227	62.8	32.3	96.8	





#95

Naphthalene

Concen: 19.013 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Instrument :

MSVOA_X

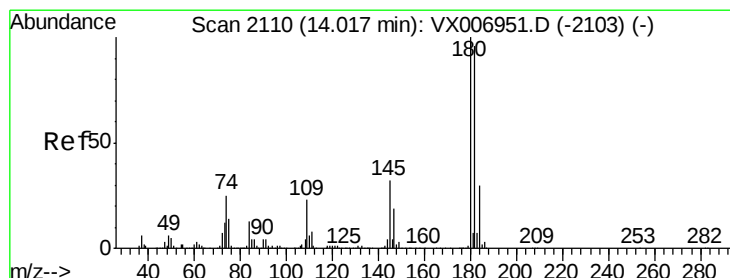
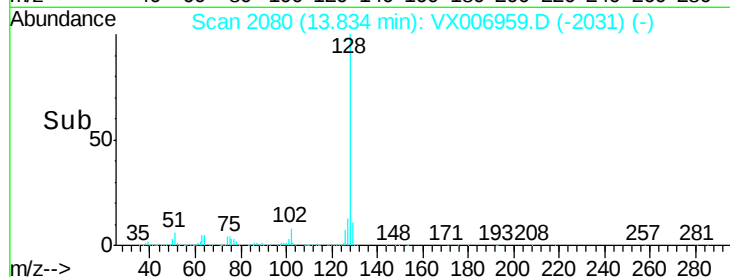
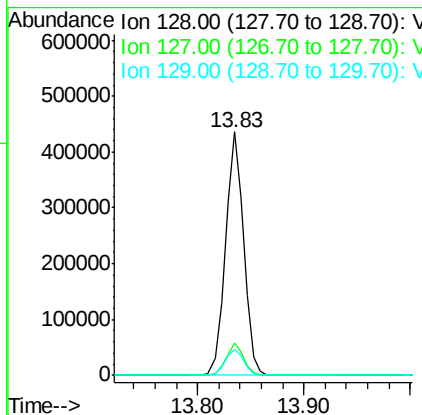
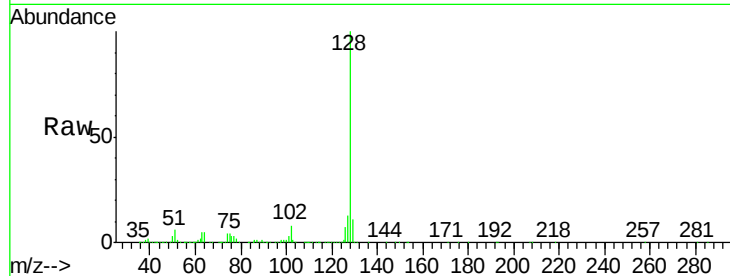
ClientSampleId :

VX0109WBS01

Tot Ion:	128	Resp:	519192
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.364 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006959.D

Acq: 09 Jan 2019 11:52

Tgt Ion:	180	Resp:	164399
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.5
145	31.3	16.0	47.9

