

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004913.D
 Acq On : 02 Oct 2018 11:25
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:25 PM

Quant Time: Oct 03 04:39:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44788	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	268666	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	249075	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	105383	30.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.20%
60) 4-Bromofluorobenzene	11.14	95	125645	30.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.17%
63) Toluene-d8	8.72	98	328962	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	383863	110.082	ug/l 99
3) Chloromethane	1.32	50	373218	103.157	ug/l 100
4) Vinyl Chloride	1.40	62	396943	107.322	ug/l 100
5) Bromomethane	1.64	94	189094	106.542	ug/l 98
6) Chloroethane	1.70	64	222671	104.863	ug/l 98
7) Trichlorofluoromethane	1.92	101	497135	105.516	ug/l 99
8) Diethyl Ether	2.19	74	200479	104.381	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	277239	102.463	ug/l 99
10) 1,1-Dichloroethene	2.37	96	266960	104.166	ug/l 96
11) Methyl Iodide	2.50	142	271288	130.012	ug/l 98
12) Methyl Acetate	2.78	43	545232	105.504	ug/l 99
13) Acrolein	2.29	56	248670	520.802	ug/l 98
14) Acrylonitrile	3.15	53	1100577	521.138	ug/l 99
15) Acetone	2.45	58	334919	474.426	ug/l 99
16) Carbon Disulfide	2.56	76	800521	106.499	ug/l 99
17) Allyl chloride	2.72	41	608758	106.819	ug/l 95
18) Methylene Chloride	2.85	84	304953	102.319	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	284560	103.928	ug/l 99
20) Diisopropyl ether	3.87	45	1017760	104.743	ug/l 94
21) 1,1-Dichloroethane	3.69	63	544457	101.697	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	317626	104.852	ug/l 98
23) tert-Butyl Alcohol	3.09	59	490923	503.503	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	976902	103.726	ug/l 100
25) Chloroform	5.21	83	527256	104.642	ug/l 95
26) Cyclohexane	5.57	56	492537	107.200	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	398614	100.264	ug/l 99
30) 2-Butanone	4.71	43	1547331	478.707	ug/l 100
31) 2,2-Dichloropropane	4.58	77	435450	99.829	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	455144	99.592	ug/l 99
33) Carbon Tetrachloride	5.78	117	401276	99.977	ug/l 99
34) Benzene	6.14	78	1194538	99.013	ug/l 99
35) Methacrylonitrile	5.06	41	297273	98.964	ug/l 98
36) 1,2-Dichloroethane	6.20	62	422023	97.101	ug/l 99
37) Trichloroethene	7.21	130	316519	99.601	ug/l 98
38) Methylcyclohexane	7.46	83	489358	103.676	ug/l 97
39) 1,2-Dichloropropane	7.52	63	321481	100.010	ug/l 97
40) Dibromomethane	7.66	93	205900	98.827	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	405257	100.898	ug/l	98
42) Vinyl Acetate	3.82	43	4579823	489.744	ug/l	99
43) Ethyl Acetate	4.86	43	528241	99.071	ug/l	100
44) Isopropyl Acetate	6.46	43	816102	102.565	ug/l	100
45) 1,4-Dioxane	7.76	88	188981	2015.917	ug/l	96
46) Methyl methacrylate	7.78	41	426484	103.309	ug/l	100
47) n-amyl Acetate	10.90	43	771343	105.071	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	483012	99.237	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	510914	108.530	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	311734	98.827	ug/l	99
51) Ethyl methacrylate	9.18	69	525981	105.070	ug/l	99
52) 1,3-Dichloropropane	9.37	76	525592	98.767	ug/l	100
53) Dibromochloromethane	9.59	129	337068	102.998	ug/l	100
54) 1,2-Dibromoethane	9.68	107	327293	99.564	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1351115	511.495	ug/l	99
56) Bromoform	10.86	173	288667	105.623	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	2861211	511.619	ug/l	100
59) 2-Hexanone	9.50	43	2338413	507.516	ug/l	100
61) Tetrachloroethene	9.34	164	300596	99.169	ug/l	96
62) Toluene	8.79	91	1309095	100.007	ug/l	99
64) Chlorobenzene	10.14	112	847948	100.306	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	312903	101.822	ug/l	100
66) Ethyl Benzene	10.26	91	1463156	102.385	ug/l	98
67) m/p-Xylenes	10.36	106	1145361	205.840	ug/l	98
68) o-Xylene	10.70	106	552454	102.999	ug/l	99
69) Styrene	10.71	104	943992	104.665	ug/l	99
70) Isopropylbenzene	11.02	105	1473080	102.564	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	537433	100.744	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	487770m	100.364	ug/l	
73) Bromobenzene	11.26	156	400523	101.448	ug/l	100
74) n-propylbenzene	11.36	91	1735740	102.712	ug/l	99
75) 2-Chlorotoluene	11.42	91	1044040	101.299	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	1274858	102.874	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	180426	112.915	ug/l	92
78) 4-Chlorotoluene	11.51	91	1215598	101.471	ug/l	100
79) tert-butylbenzene	12.07	119	1358448	103.290	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	1296137	102.558	ug/l	100
81) sec-Butylbenzene	11.95	105	1504356	102.838	ug/l	100
82) p-Isopropyltoluene	12.07	119	1358448	103.290	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	743067	101.780	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	746516	100.761	ug/l	99
85) n-Butylbenzene	12.39	91	1259707	105.456	ug/l	99
86) Hexachloroethane	12.60	117	227574	105.049	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	750691	101.152	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	127494	103.423	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	577756	104.360	ug/l	100
90) Hexachlorobutadiene	13.79	225	275171	100.680	ug/l	99
91) Naphthalene	13.83	128	1827353	106.154	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	581208	102.382	ug/l	100

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ClientSampleId :
VSTDICC100

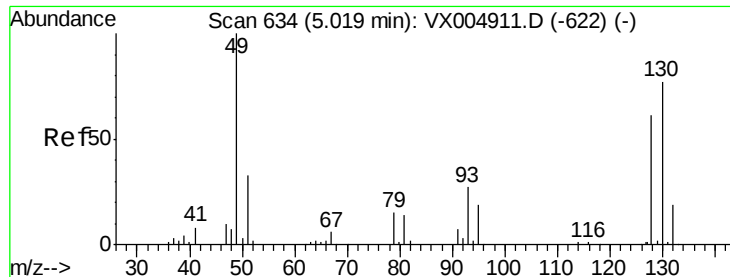
Manual Integrations
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10/3/2018 4:23:25 PM

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QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 44788

Ion Ratio Lower Upper

128 100

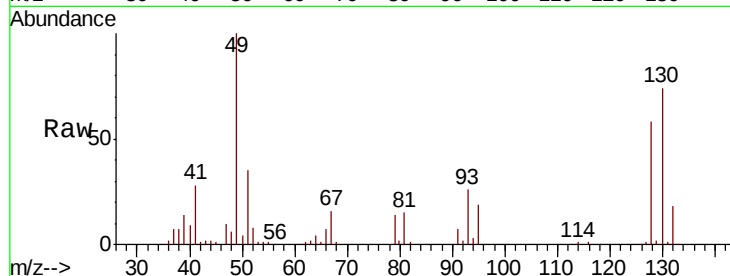
49 176.0 0.0 429.5

130 128.8 0.0 325.8

Manual Integrations
APPROVED

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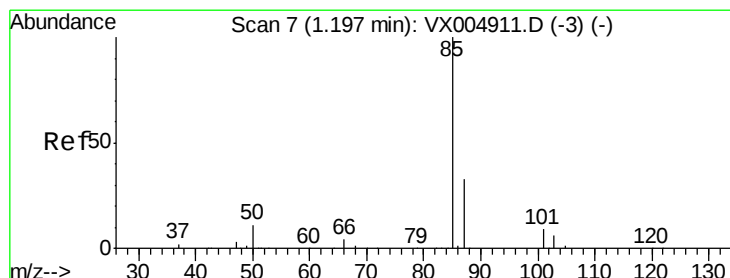
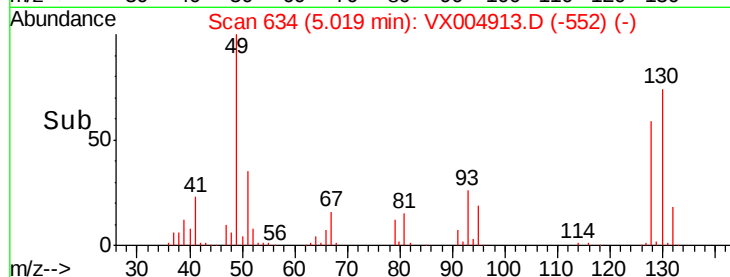
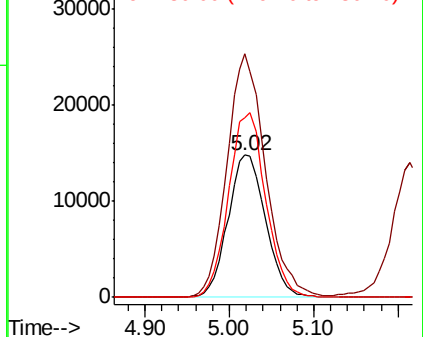
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 110.082 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX004913.D

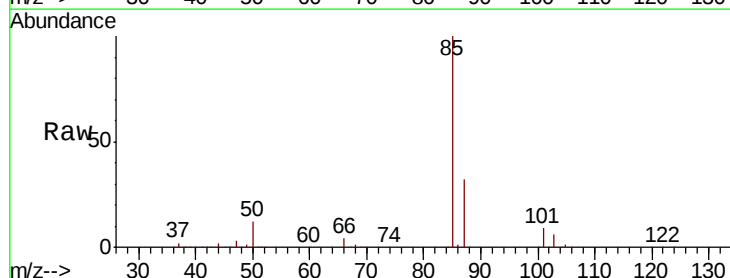
Acq: 02 Oct 2018 11:25

Tgt Ion: 85 Resp: 383863

Ion Ratio Lower Upper

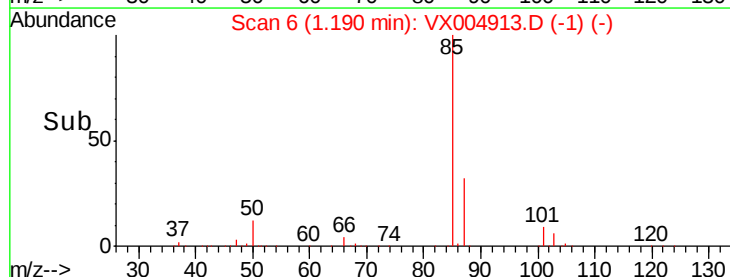
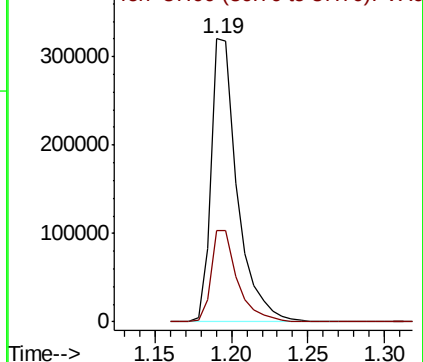
85 100

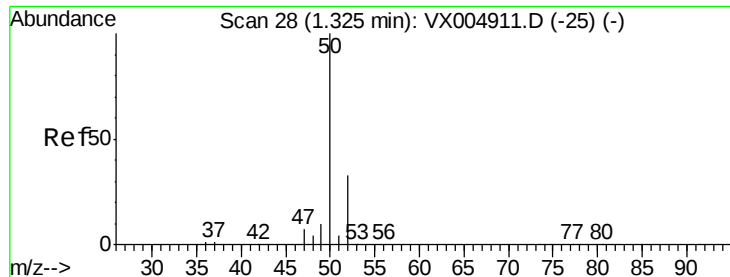
87 32.2 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 103.157 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 373218

Ion Ratio Lower Upper

50 100

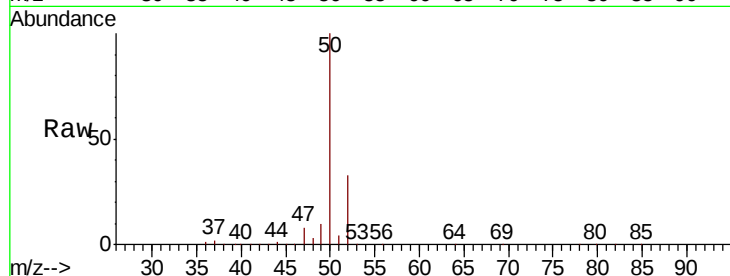
52 32.5 26.1 39.1

Manual Integrations

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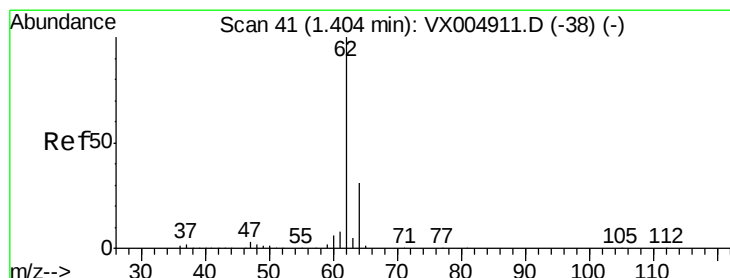
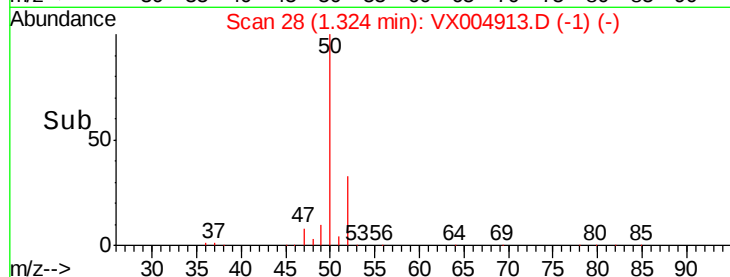
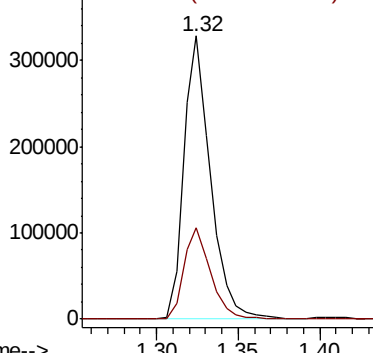
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 107.322 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004913.D

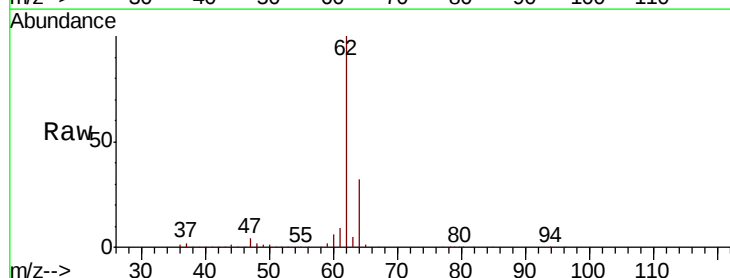
Acq: 02 Oct 2018 11:25

Tgt Ion: 62 Resp: 396943

Ion Ratio Lower Upper

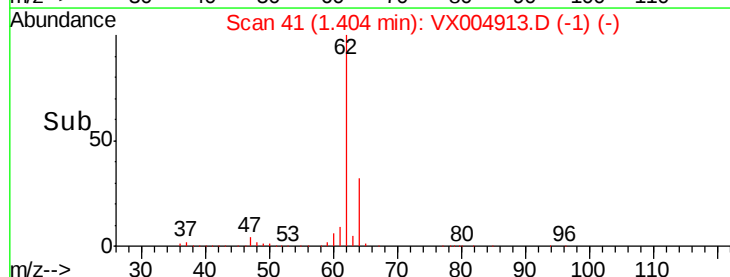
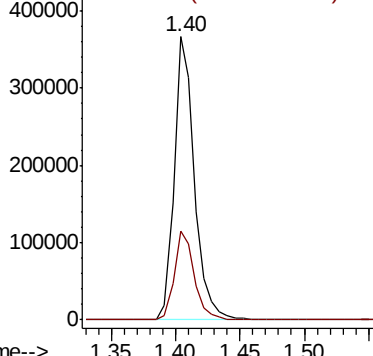
62 100

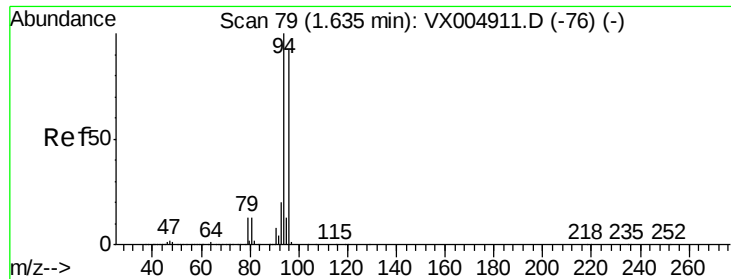
64 31.5 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 106.542 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tot Ion: 94 Resp: 189094

Ion Ratio Lower Upper

94 100

96 93.8 73.8 110.8

Instrument :

MSVOA_X

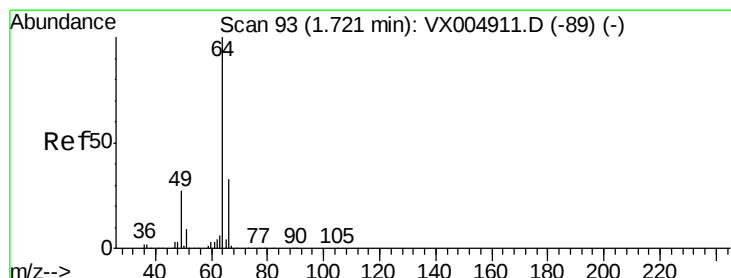
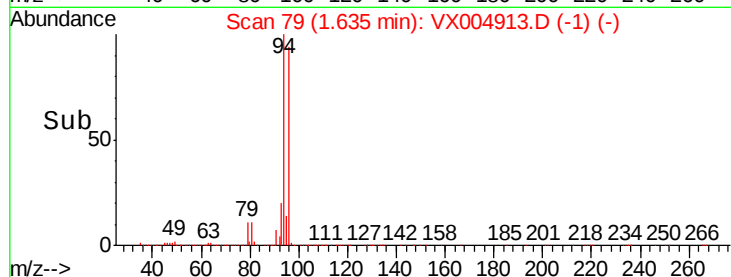
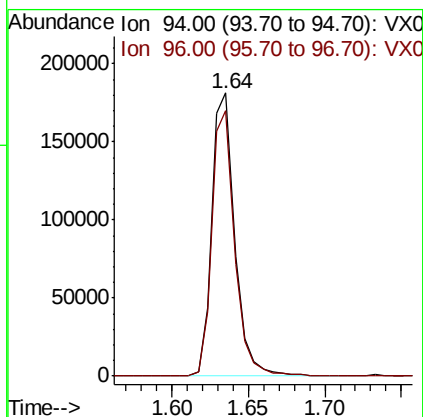
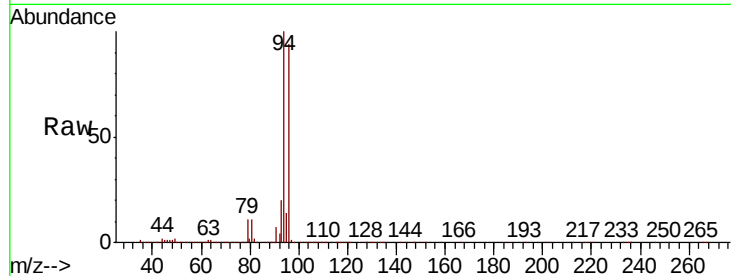
ClientSampleId :

VSTDIC100

Manual Integrations
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#6

Chloroethane

Concen: 104.863 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX004913.D

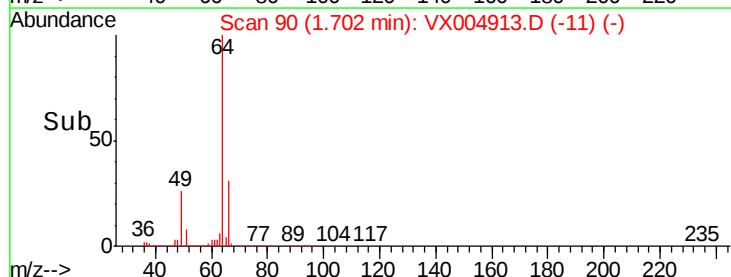
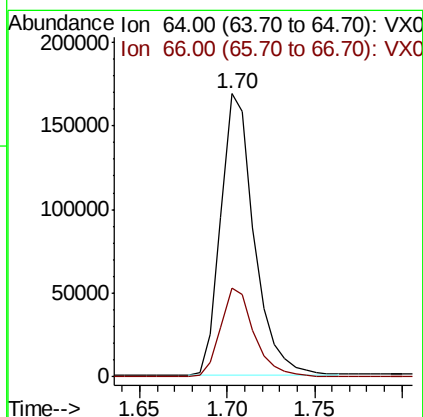
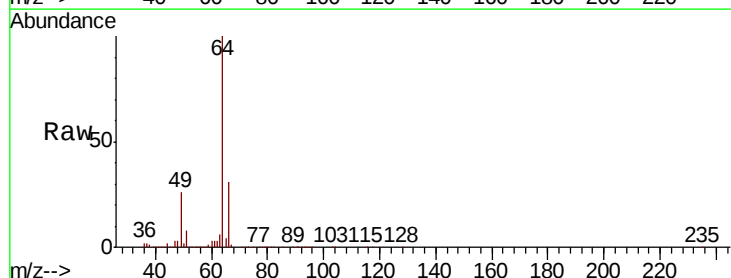
Acq: 02 Oct 2018 11:25

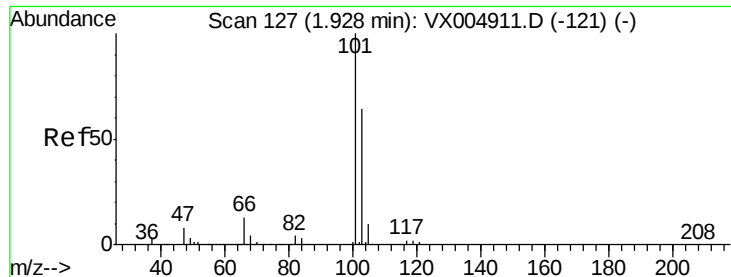
Tgt Ion: 64 Resp: 222671

Ion Ratio Lower Upper

64 100

66 31.4 26.0 39.0





#7

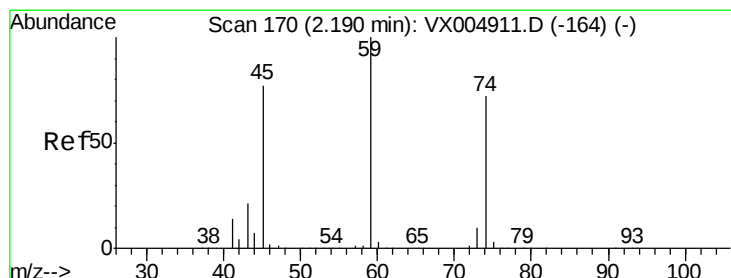
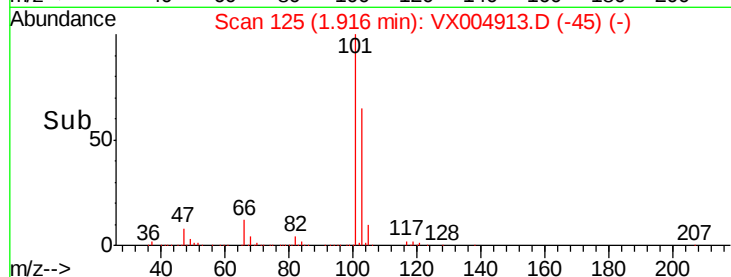
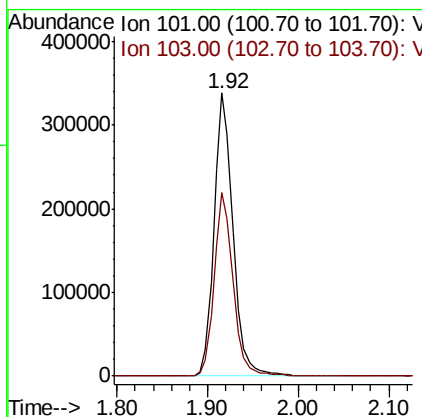
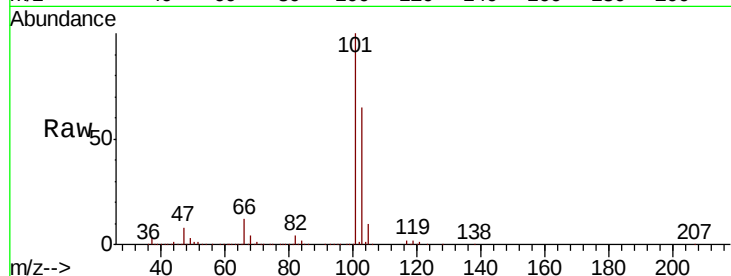
Trichlorofluoromethane
Concen: 105.516 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	497135		
103	64.8	51.1	76.7	

Manual Integrations
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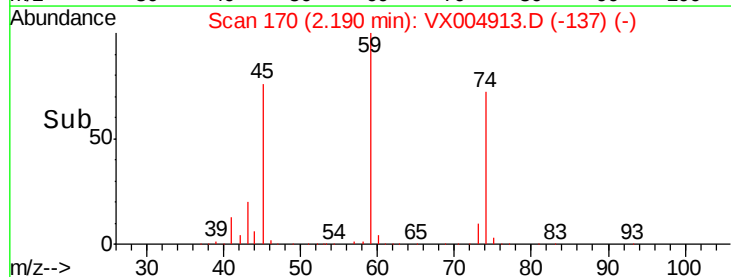
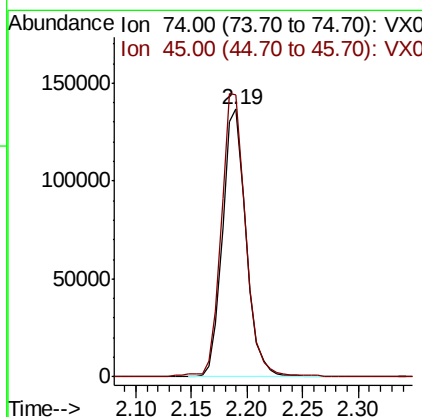
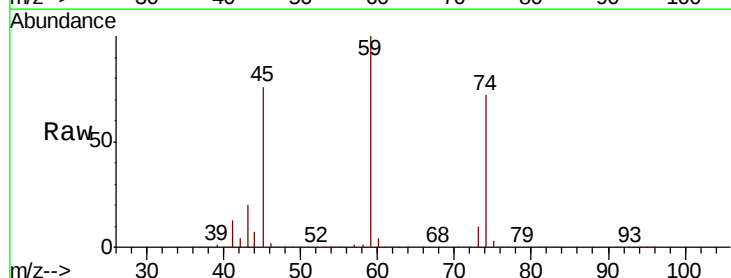
MMDadoda
10/3/2018 4:23:25 PM

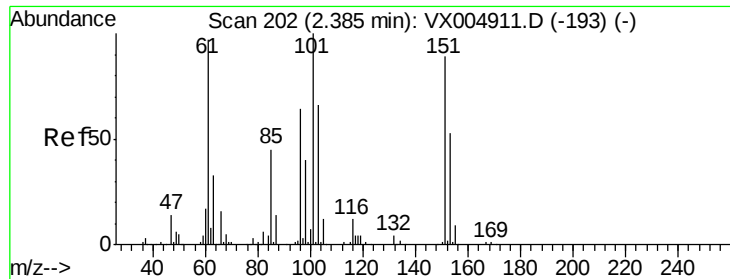


#8

Diethyl Ether
Concen: 104.381 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	200479		
45	108.4	21.6	194.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.463 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

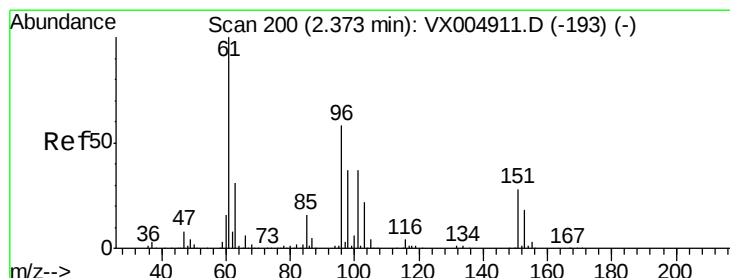
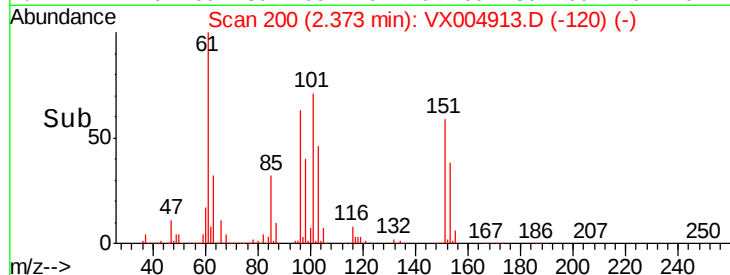
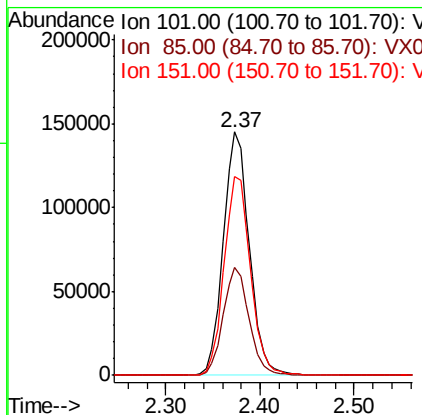
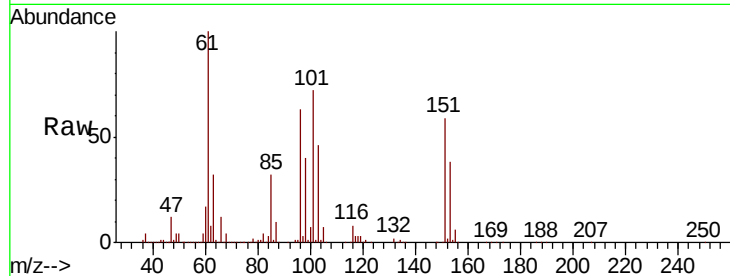
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	277239
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	88.0
151	83.4	0.0	164.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 104.166 ug/l

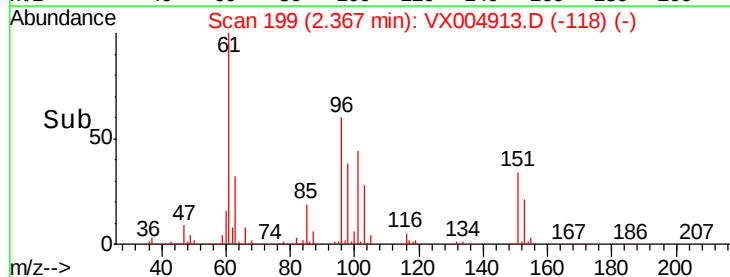
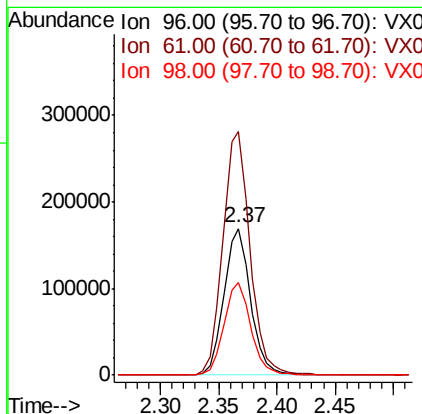
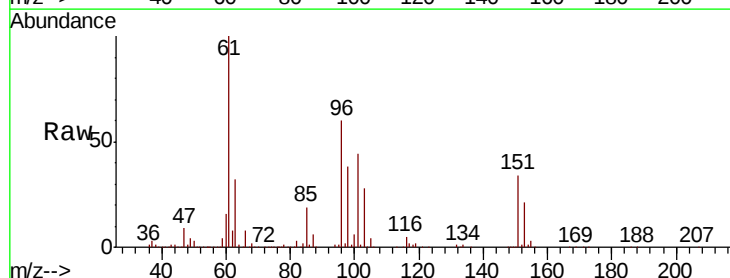
RT: 2.37 min Scan# 199

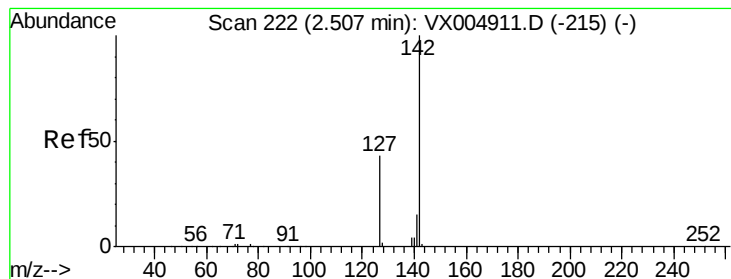
Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	96	Resp:	266960
Ion Ratio	Lower	Upper	
96	100		
61	166.0	137.9	206.9
98	63.0	51.0	76.4





#11

Methvl Iodide

Concen: 130.012 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

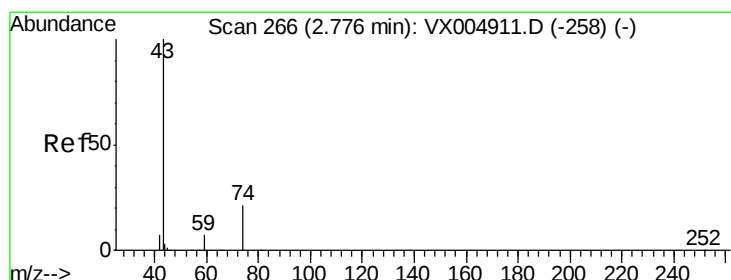
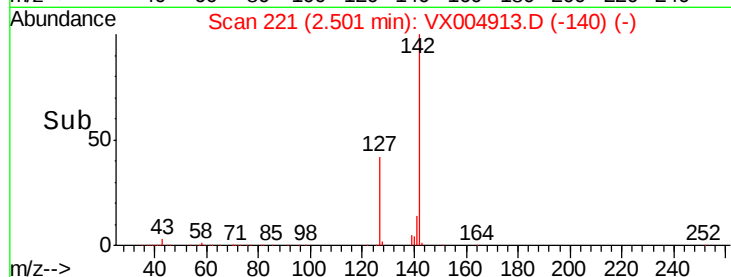
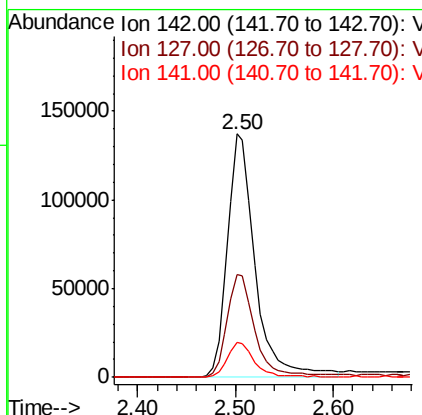
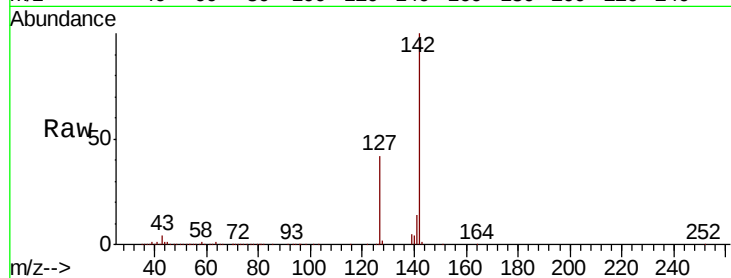
ClientSampleId :

VSTDIC100

Tot Ion:	142	Resp:	271288
Ion Ratio	Lower	Upper	
142	100		
127	42.2	21.6	64.8
141	14.1	7.5	22.6

Manual Integrations
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#12

Methyl Acetate

Concen: 105.504 ug/l

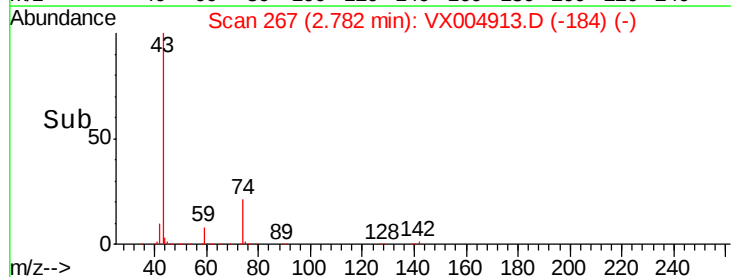
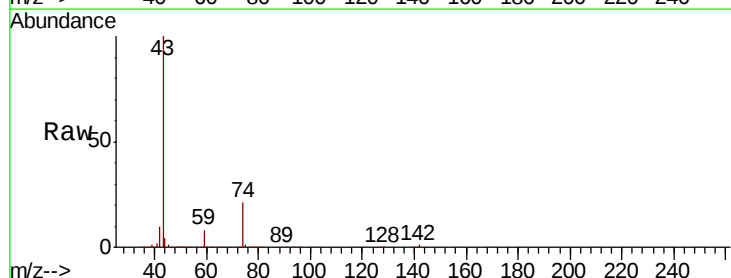
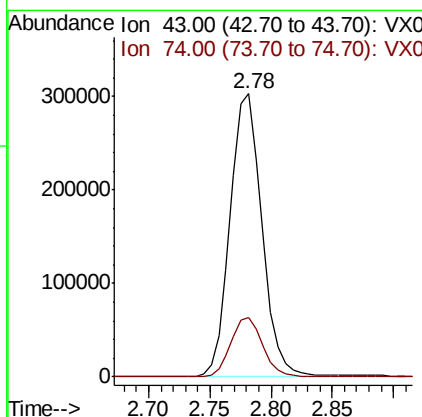
RT: 2.78 min Scan# 267

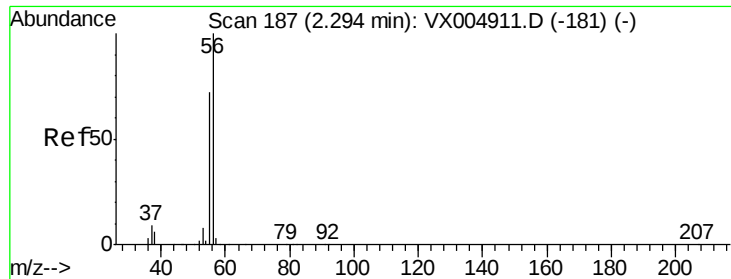
Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	43	Resp:	545232
Ion Ratio	Lower	Upper	
43	100		
74	20.9	17.0	25.6





#13

Acrolein

Concen: 520.802 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 248670

Ion Ratio Lower Upper

56 100

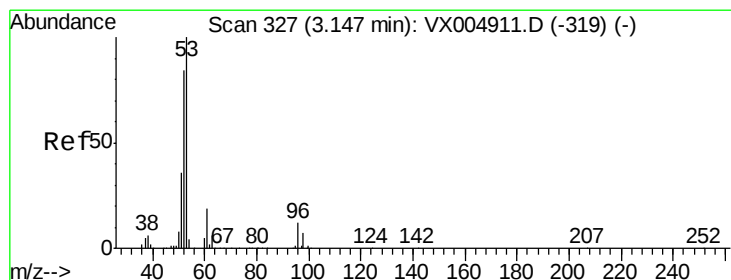
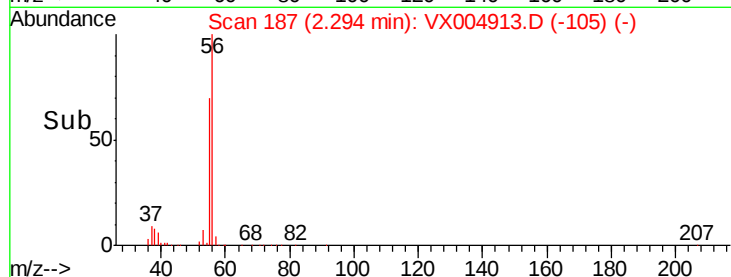
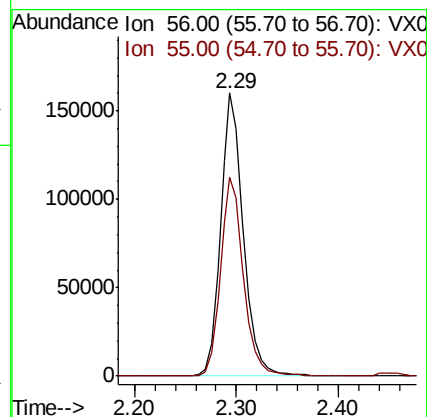
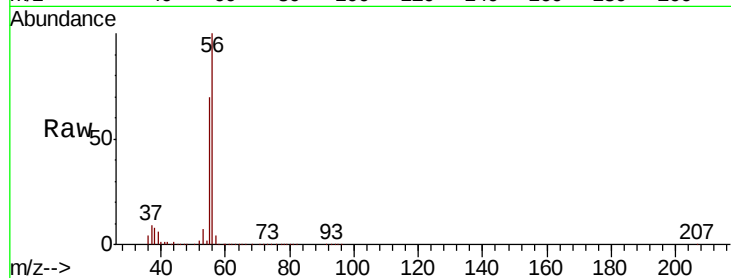
55 70.5 57.9 86.9

Manual Integrations

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#14

Acrylonitrile

Concen: 521.138 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

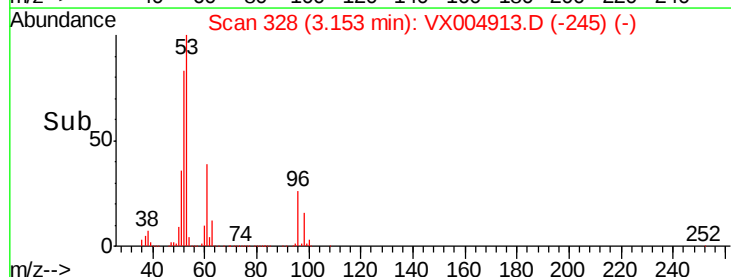
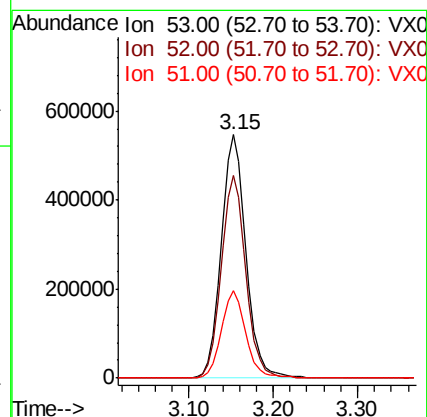
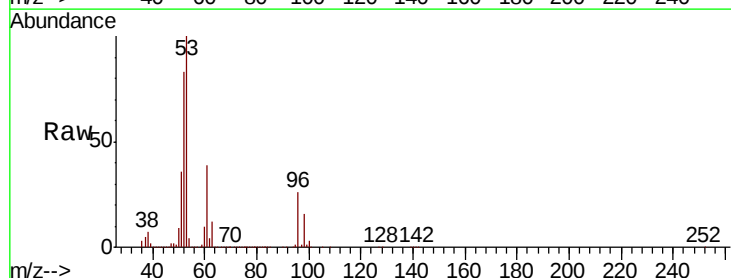
Tgt Ion: 53 Resp: 1100577

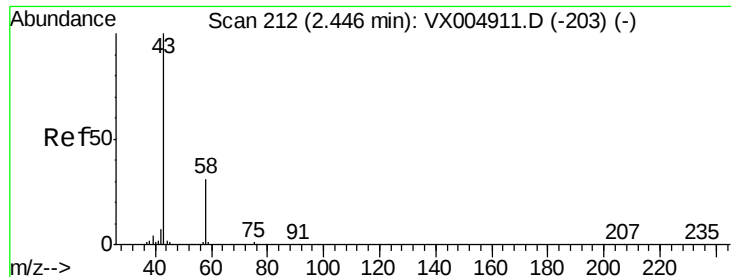
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 35.5 18.0 54.0





#15

Acetone

Concen: 474.426 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 334919

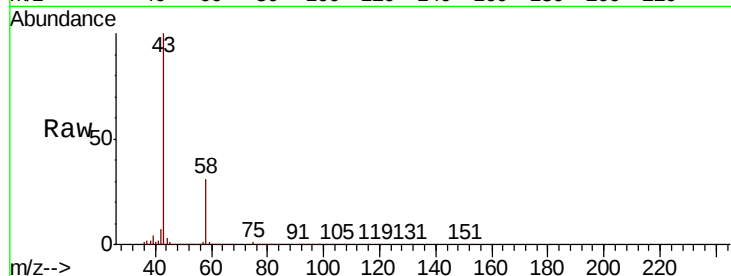
Ion Ratio Lower Upper

58 100

43 325.6 258.6 388.0

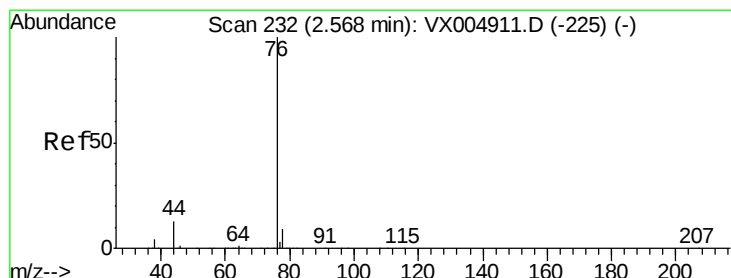
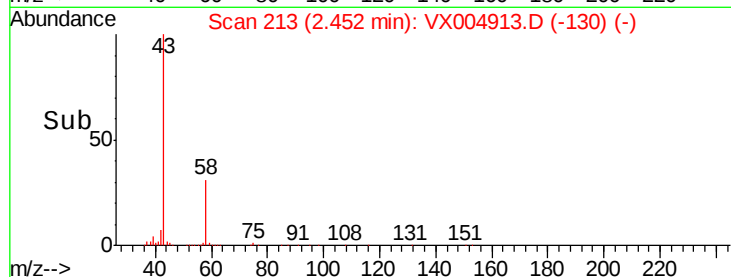
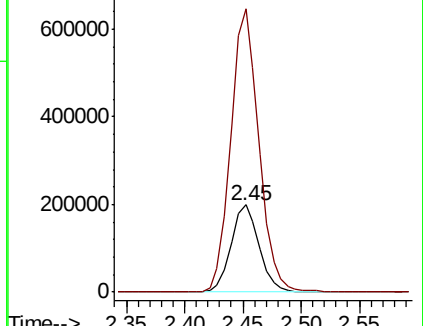
Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 106.499 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004913.D

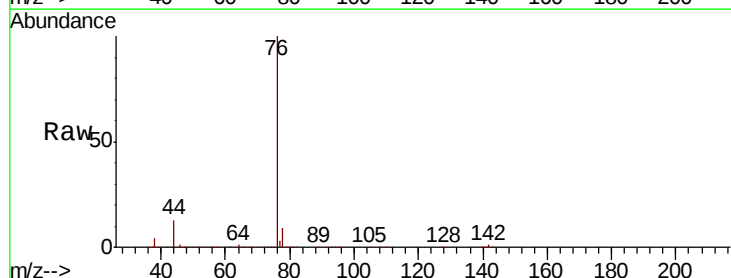
Acq: 02 Oct 2018 11:25

Tgt Ion: 76 Resp: 800521

Ion Ratio Lower Upper

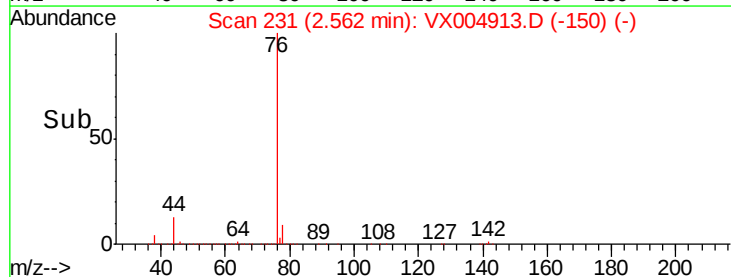
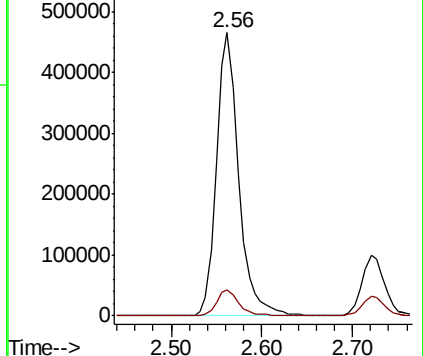
76 100

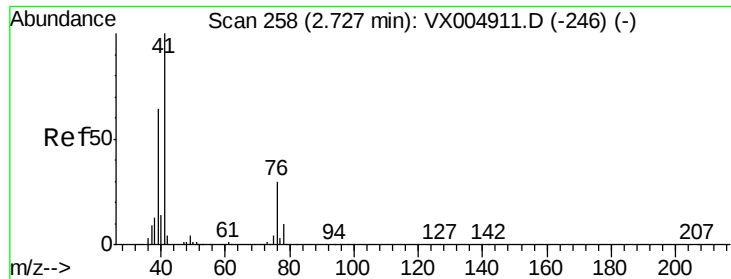
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





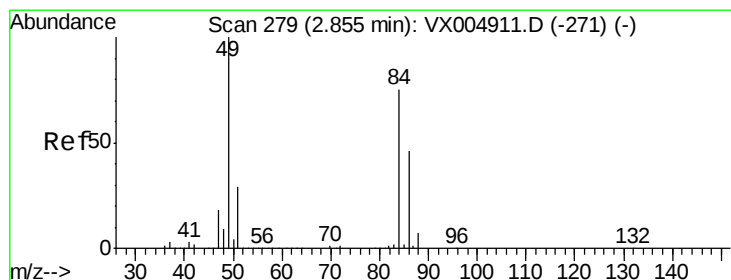
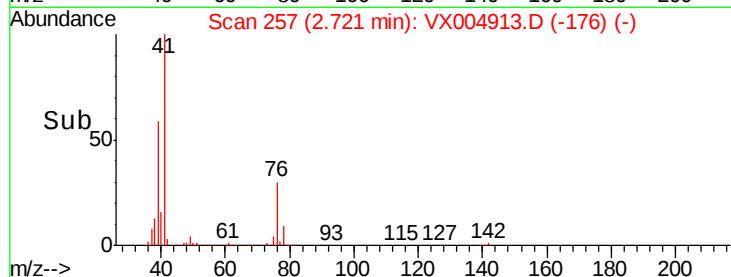
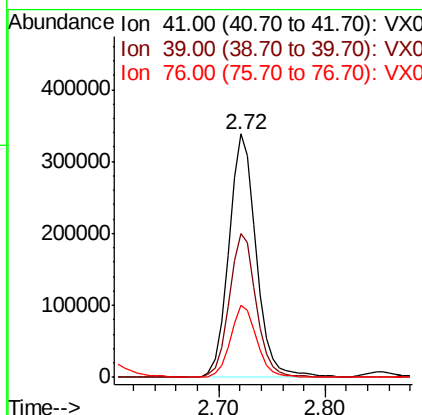
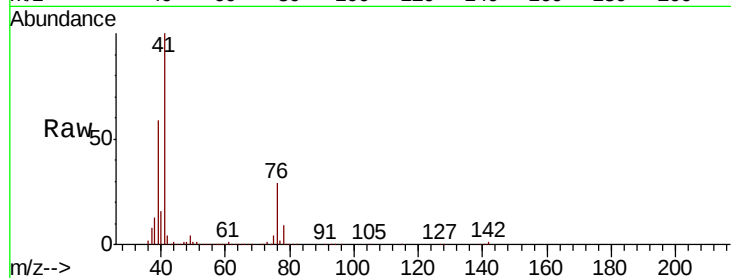
#17
Allvl chloride
Concen: 106.819 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.9	31.8	95.4
76	29.4	15.3	45.8

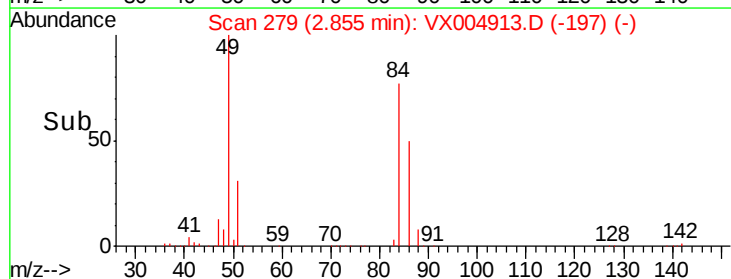
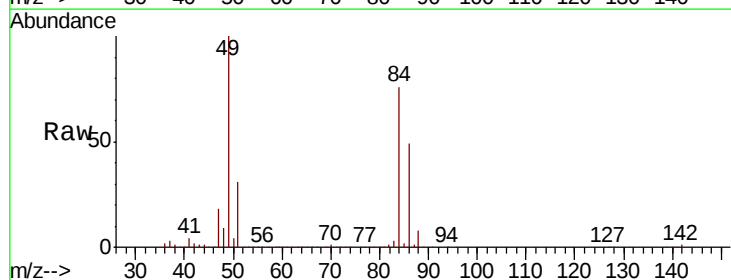
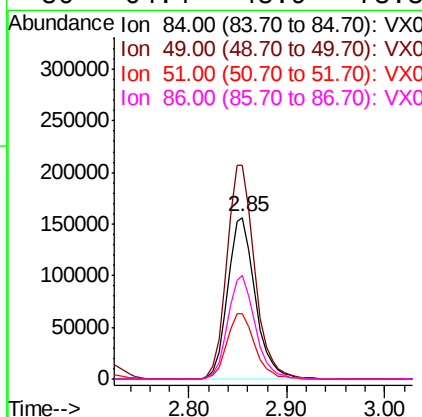
Manual Integrations
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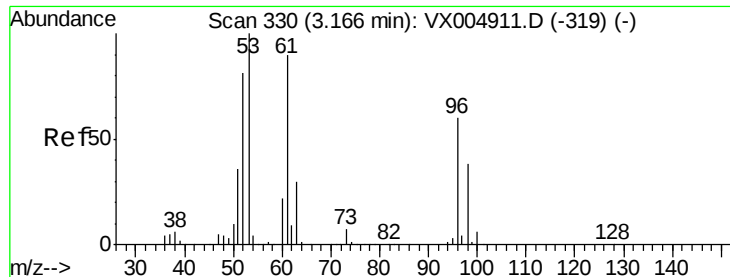
MMDadoda
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#18
Methylene Chloride
Concen: 102.319 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.1	106.2	159.4
51	40.4	31.3	46.9
86	64.4	48.9	73.3





#19

trans-1,2-Dichloroethene

Concen: 103.928 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

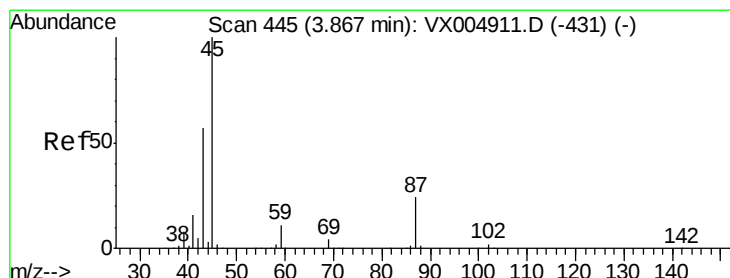
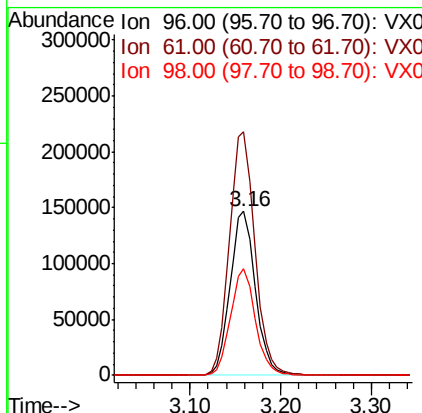
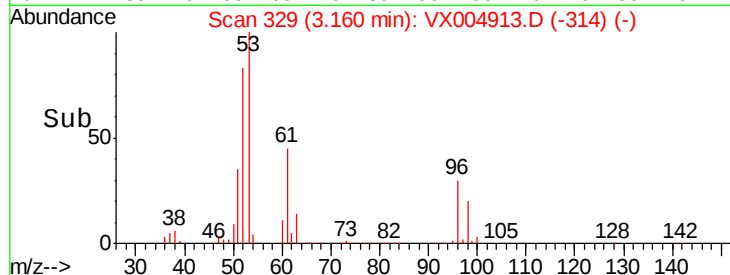
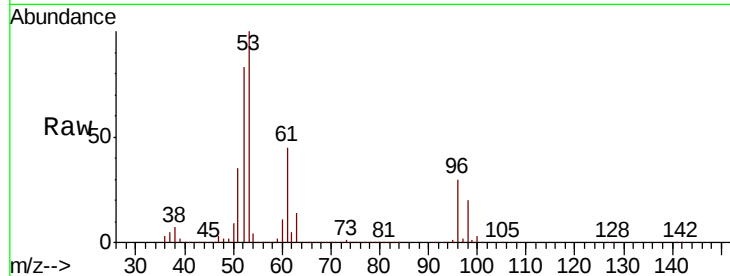
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	284560
Ion	Ratio	Lower	Upper
96	100		
61	148.3	119.5	179.3
98	64.9	50.6	75.8

Manual Integrations
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#20

Diisopropyl ether

Concen: 104.743 ug/l

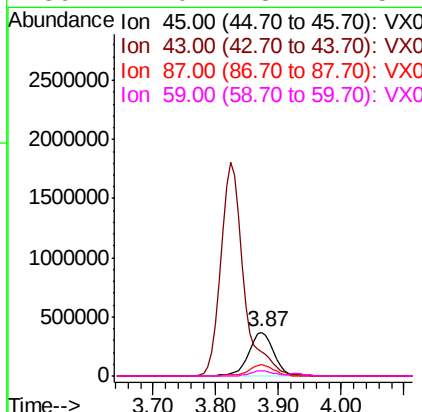
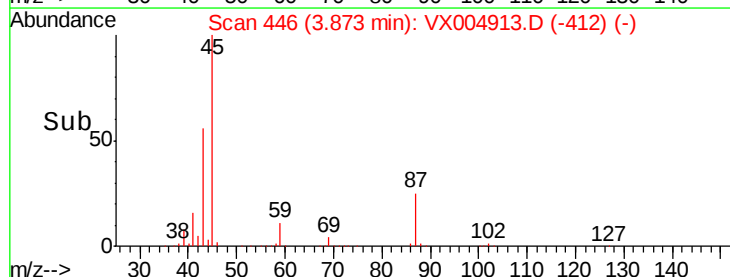
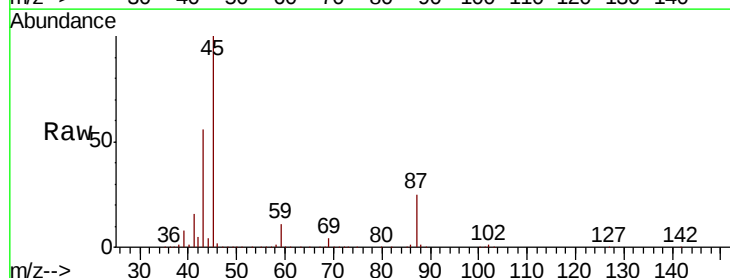
RT: 3.87 min Scan# 446

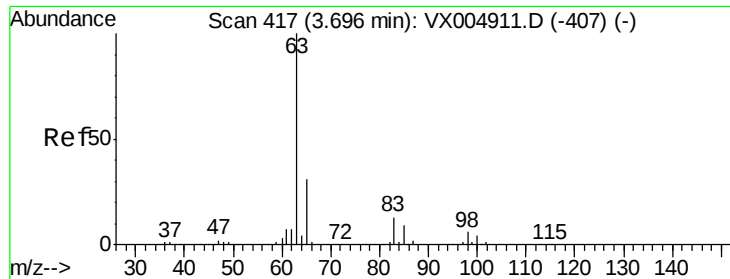
Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	45	Resp:	1017760
Ion	Ratio	Lower	Upper
45	100		
43	56.0	49.8	74.8
87	25.2	19.1	28.7
59	11.0	8.7	13.1





#21

1,1-Dichloroethane

Concen: 101.697 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

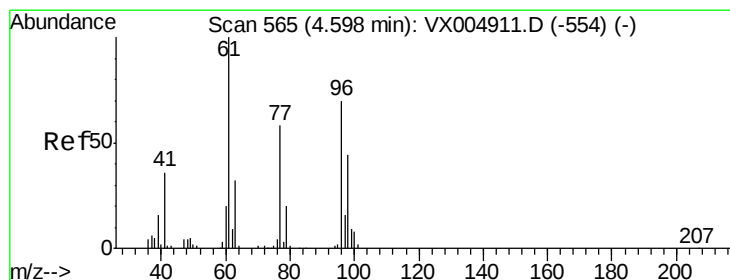
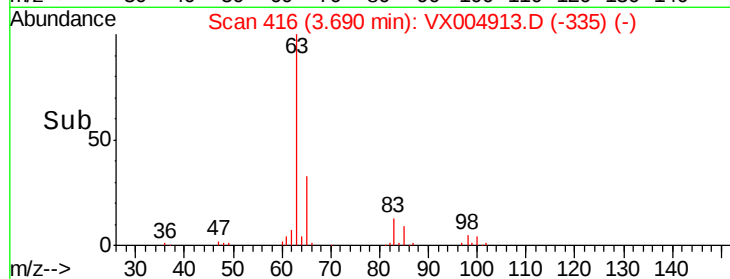
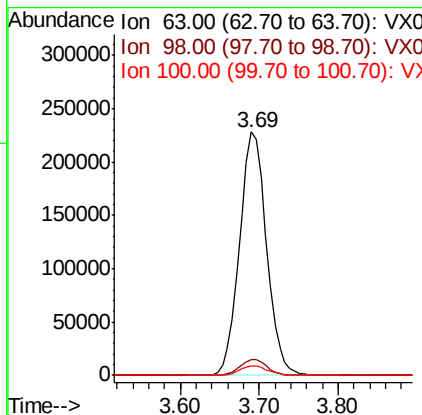
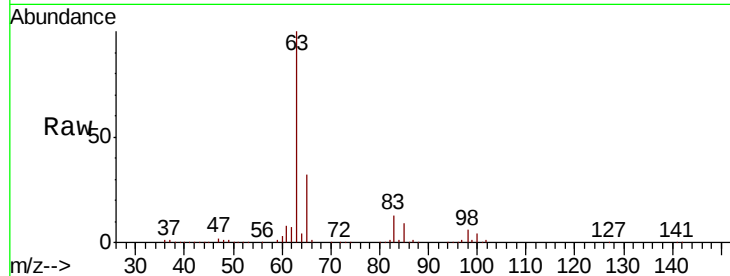
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	544457
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.2	9.6
100	4.0	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 104.852 ug/l

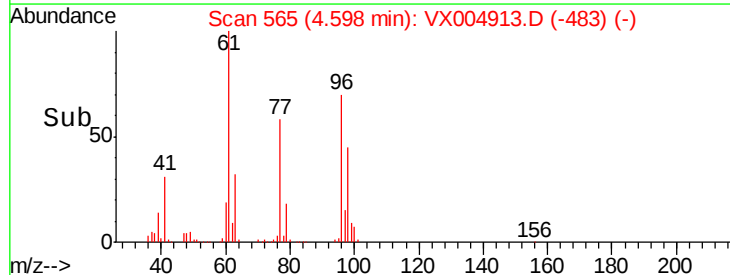
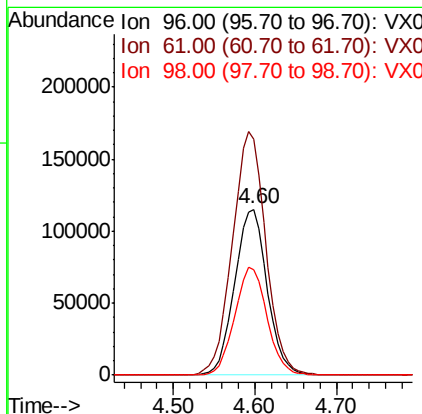
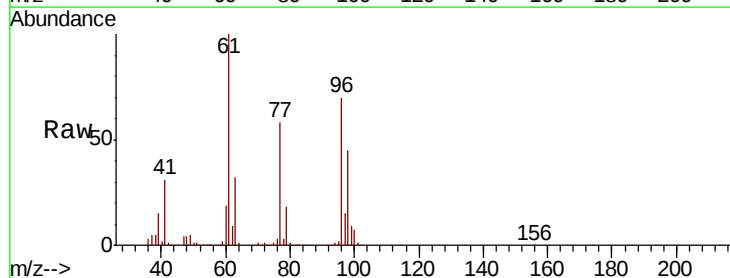
RT: 4.60 min Scan# 565

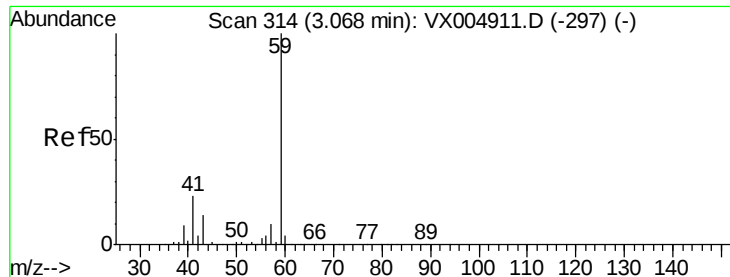
Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	96	Resp:	317626
Ion Ratio	Lower	Upper	
96	100		
61	151.0	123.3	184.9
98	64.8	51.4	77.0





#23

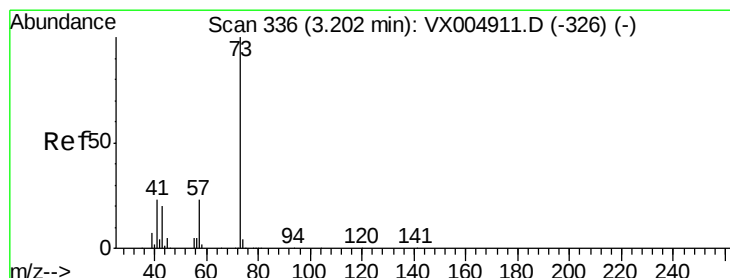
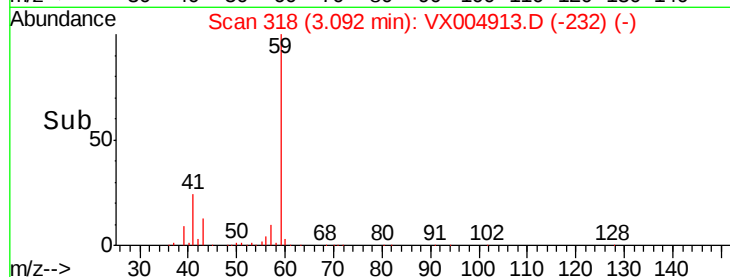
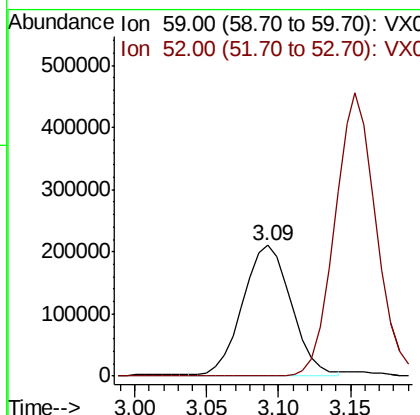
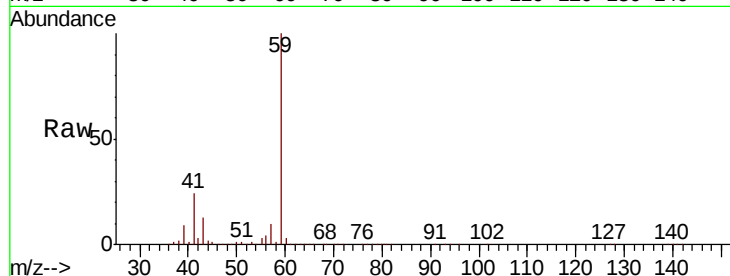
tert-Butyl Alcohol
Concen: 503.503 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	490923
Ion Ratio	100	Lower	Upper
59	100		
52	0.0	0.1	0.1#

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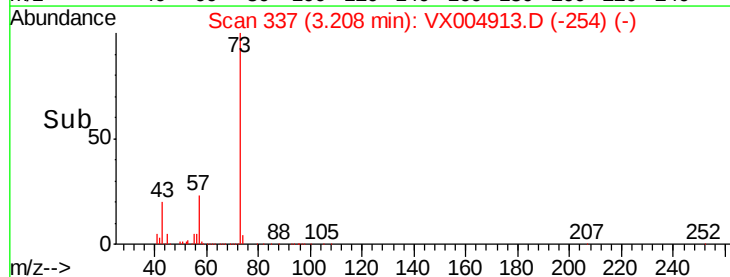
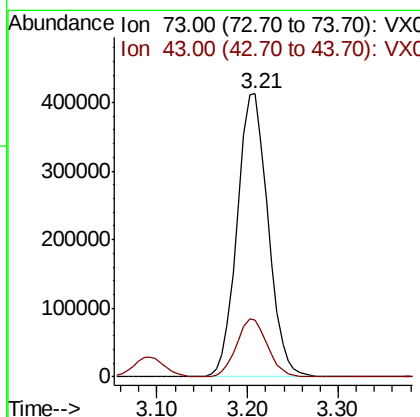
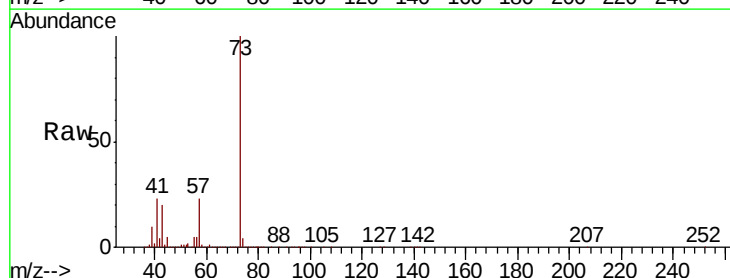
MMDadoda
10/3/2018 4:23:25 PM

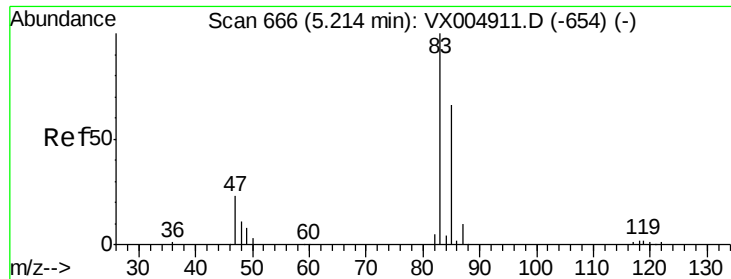


#24

Methyl tert-Butyl Ether
Concen: 103.726 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	73.00 (72.70 to 73.70): VX0	Resp	976902
Ion Ratio	100	Lower	Upper
73	100		
43	20.4	16.3	24.5





#25

Chloroform

Concen: 104.642 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 527256

Ion Ratio Lower Upper

83 100

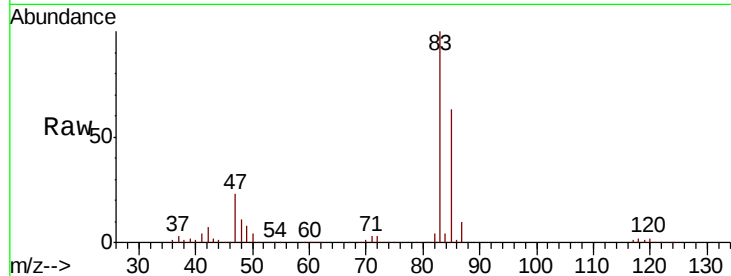
85 62.5 53.1 79.7

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

200000

150000

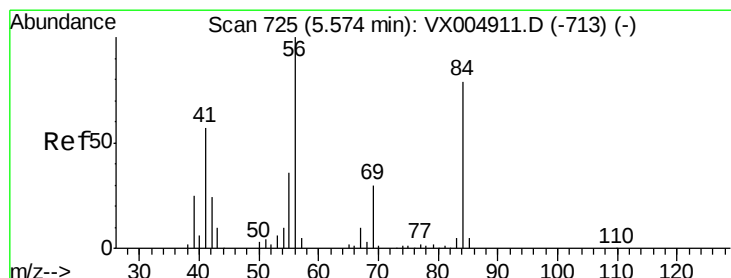
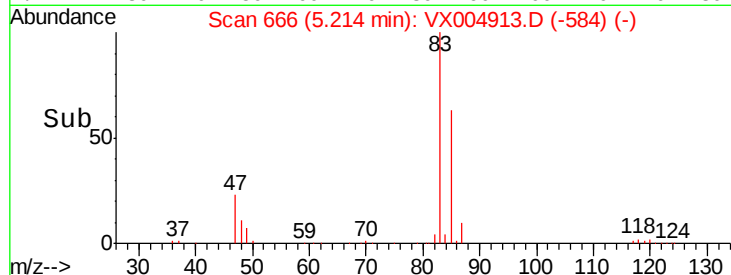
100000

50000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 107.200 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

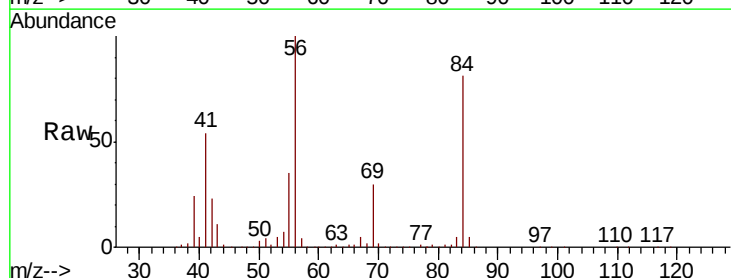
Tgt Ion: 56 Resp: 492537

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 81.9 65.8 98.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

300000

250000

200000

150000

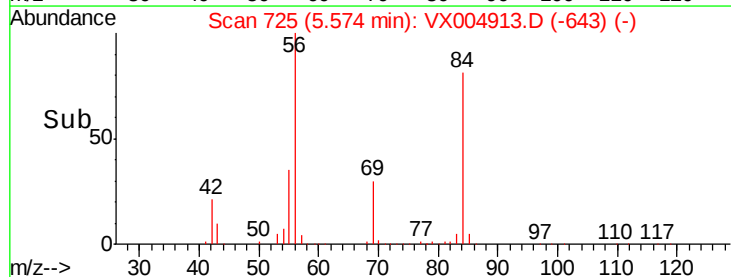
100000

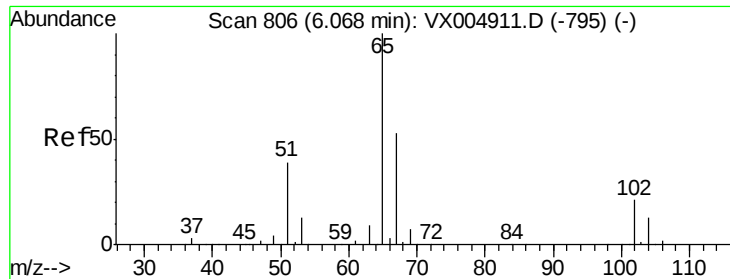
50000

0

5.40 5.50 5.60 5.70

Time-->





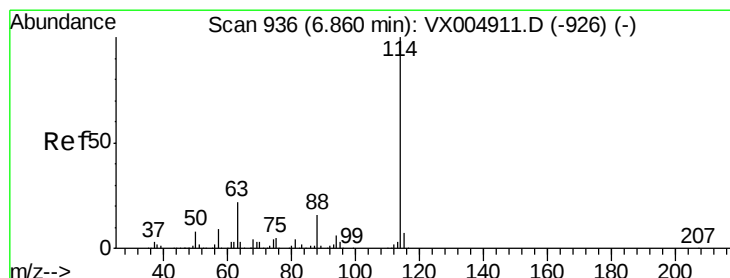
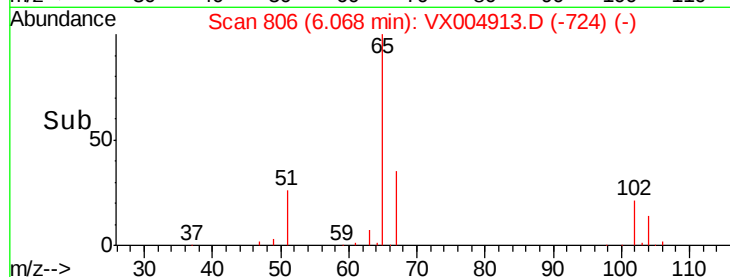
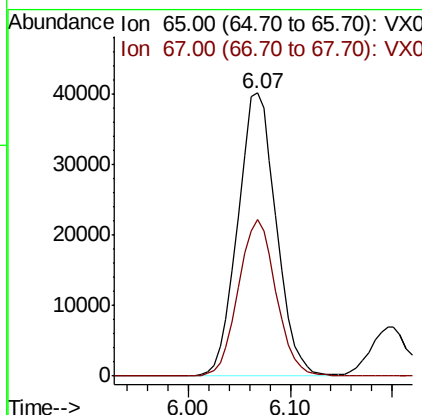
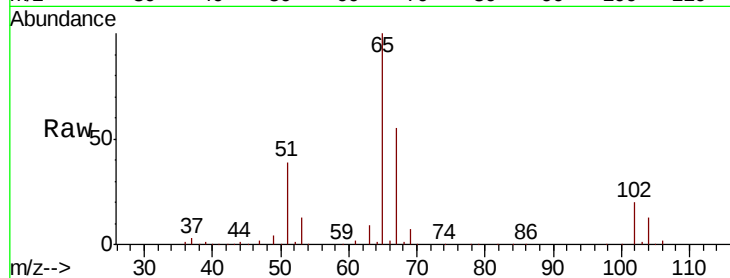
#27
 1,2-Dichloroethane-d4
 Concen: 30.964 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	43.0	64.6

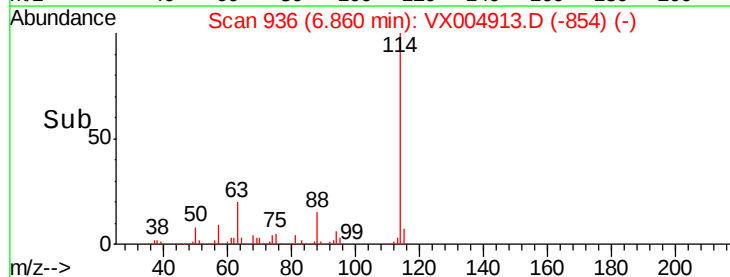
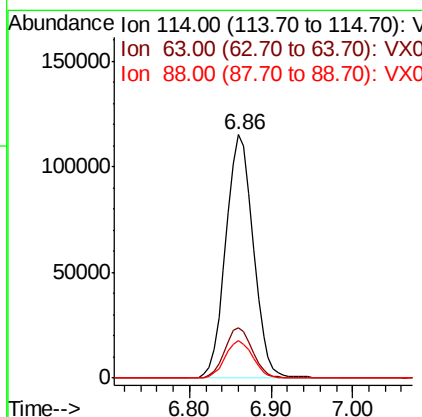
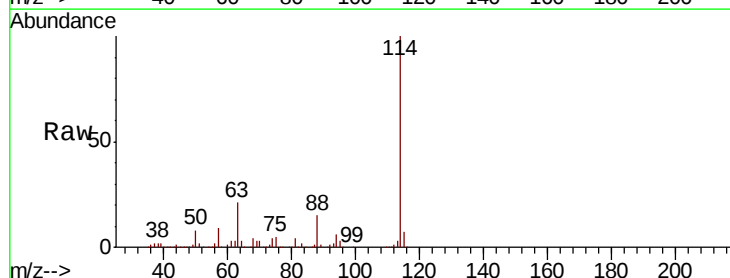
Manual Integrations
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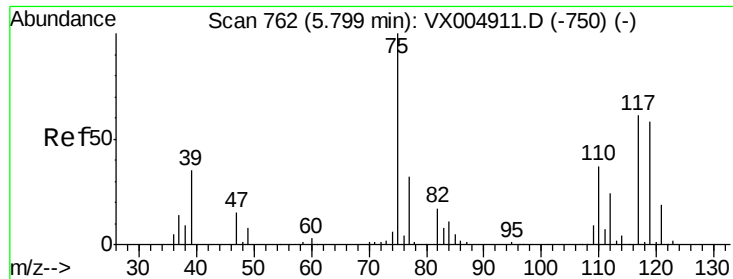
MMDadoda
 10/3/2018 4:23:25 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	16.6	24.8
88	15.5	12.4	18.6





#29

1,1-Dichloropropene

Concen: 100.264 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

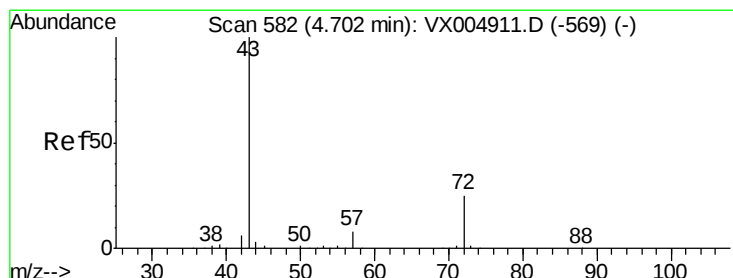
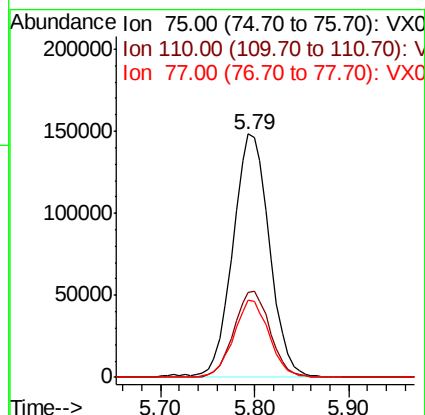
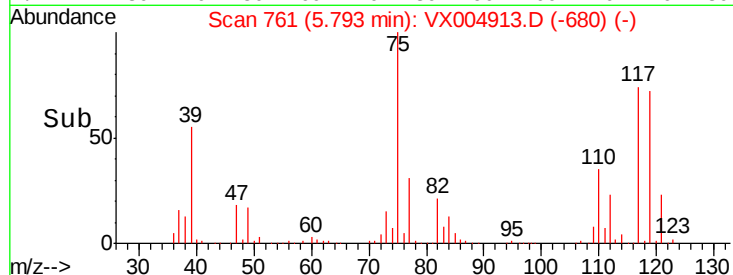
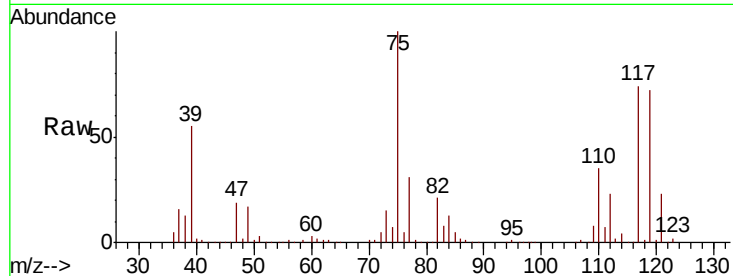
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	398614
Ion Ratio	Lower	Upper	
75	100		
110	35.4	0.0	70.8
77	30.9	0.0	63.0

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#30

2-Butanone

Concen: 478.707 ug/l

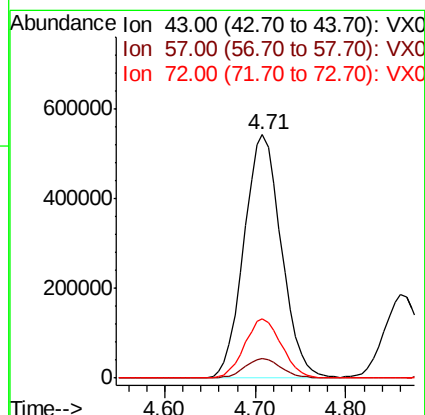
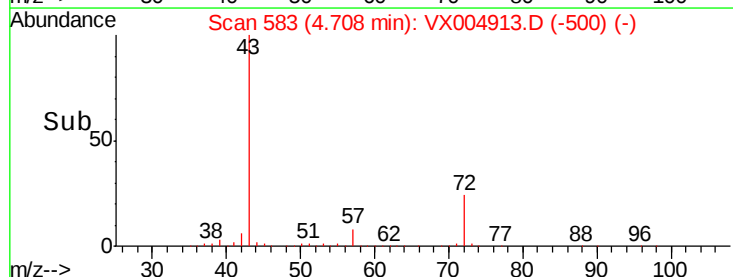
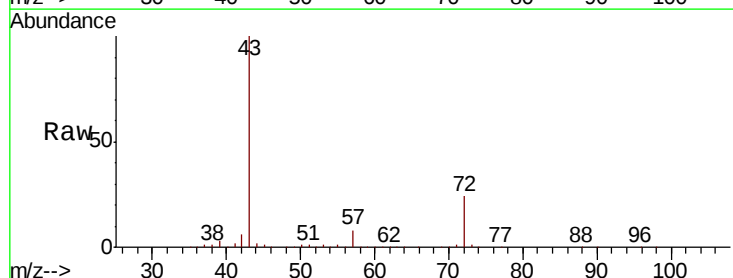
RT: 4.71 min Scan# 583

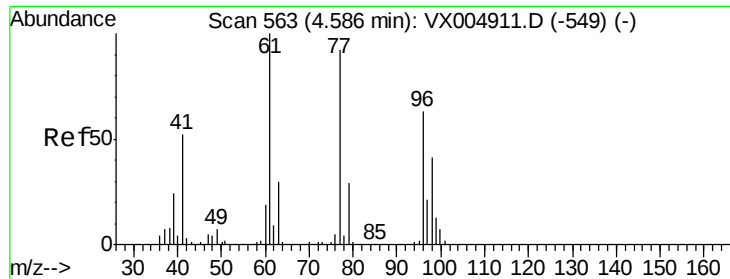
Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	43	Resp:	1547331
Ion Ratio	Lower	Upper	
43	100		
57	7.9	6.2	9.4
72	24.3	19.7	29.5





#31

2,2-Dichloropropane

Concen: 99.829 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 435450

Ion Ratio Lower Upper

77 100

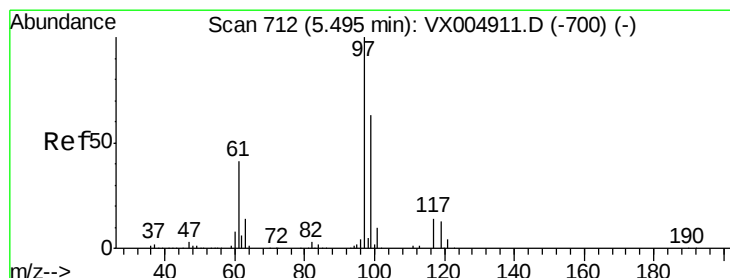
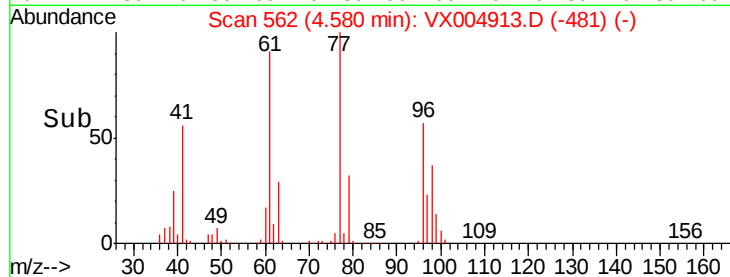
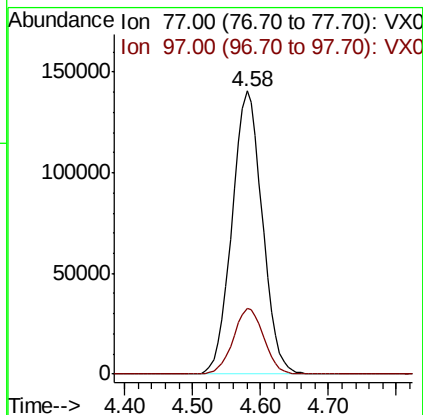
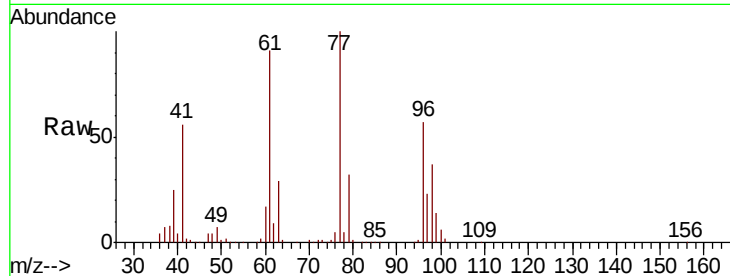
97 23.4 18.5 27.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 99.592 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

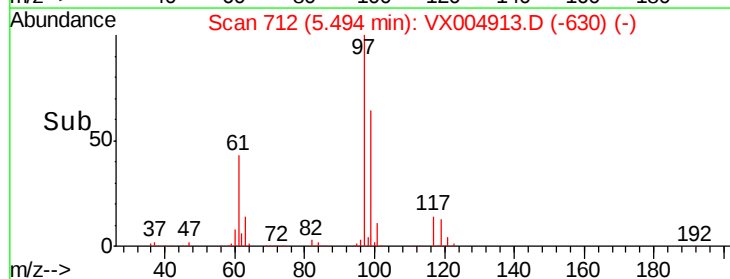
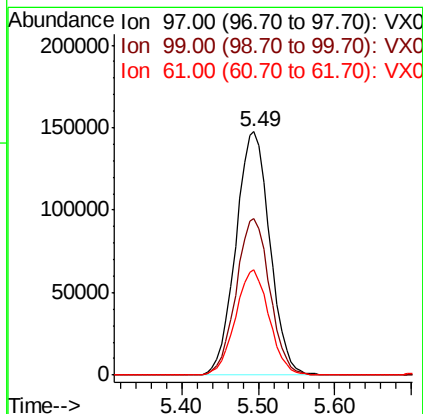
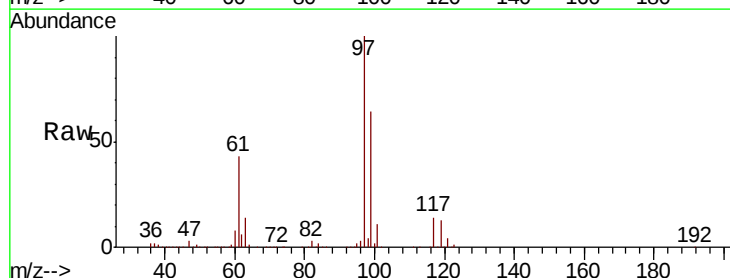
Tgt Ion: 97 Resp: 455144

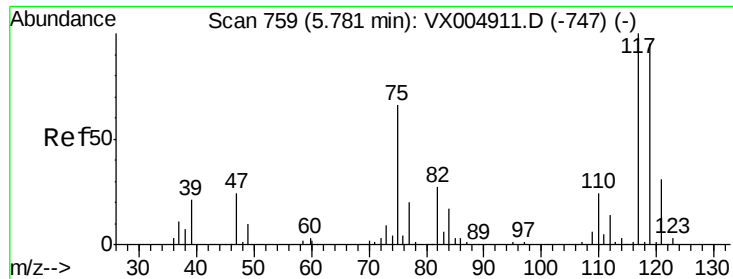
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 43.0 35.8 53.6





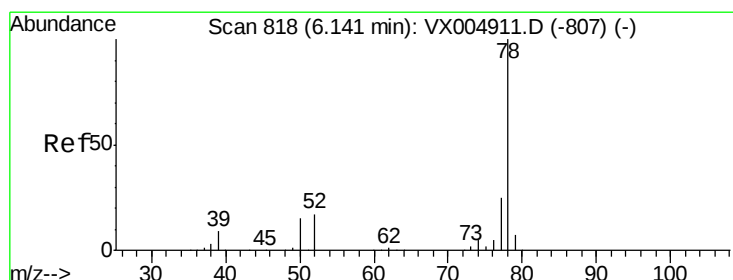
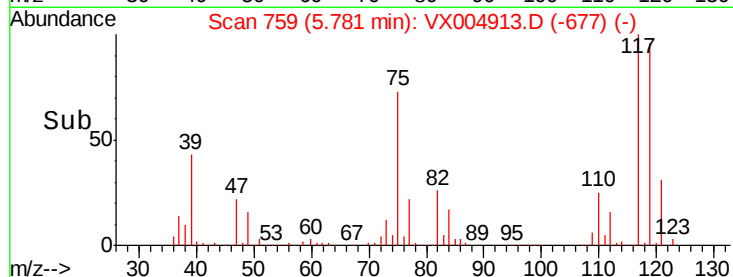
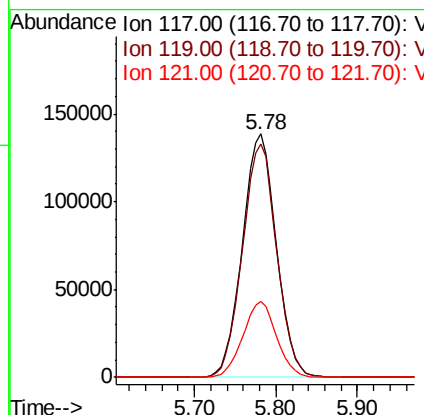
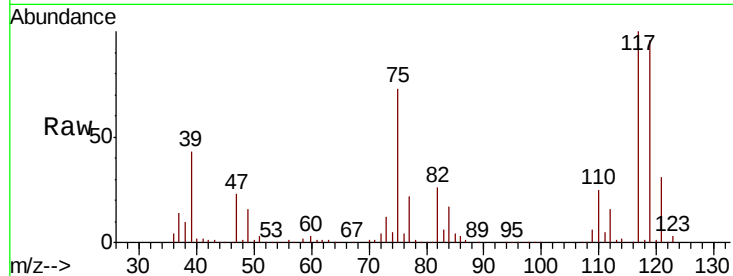
#33
Carbon Tetrachloride
Concen: 99.977 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.4
121	31.4	25.2	37.8

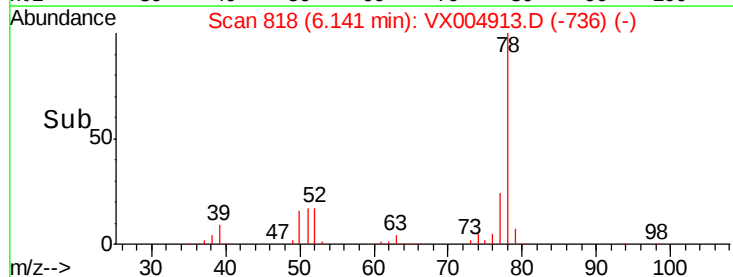
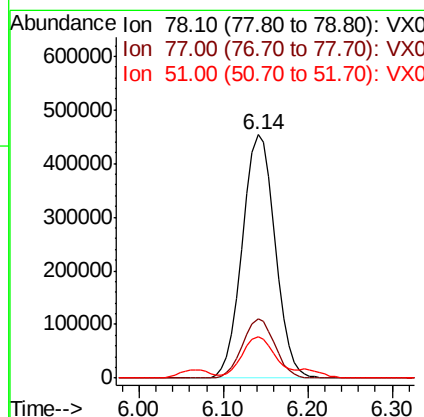
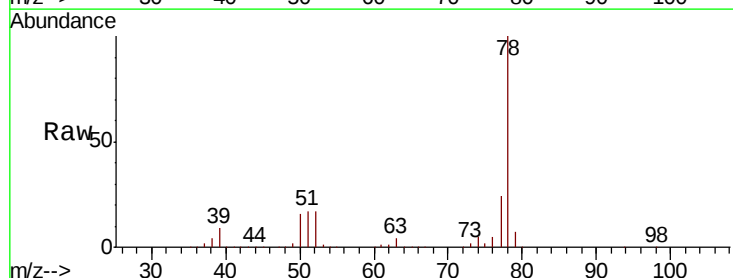
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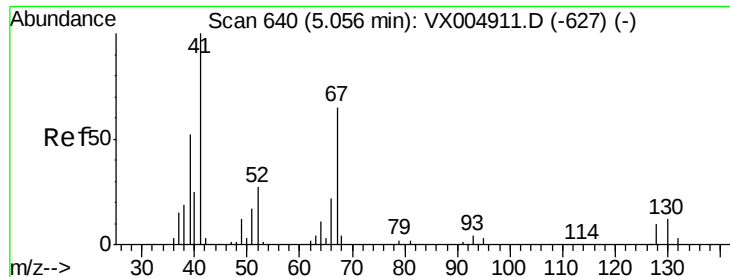
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#34
Benzene
Concen: 99.013 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.8
51	16.8	13.8	20.6





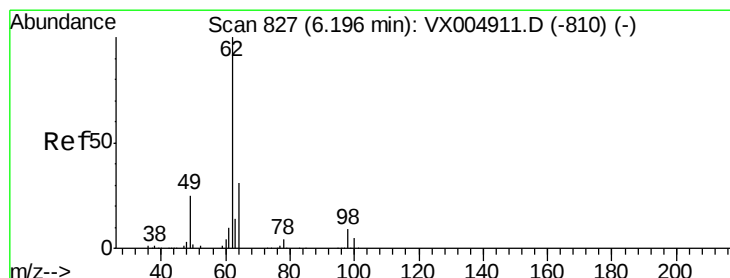
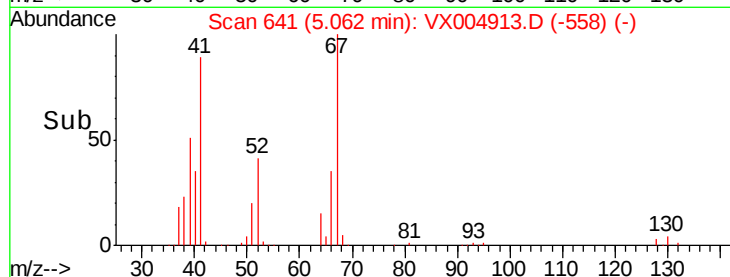
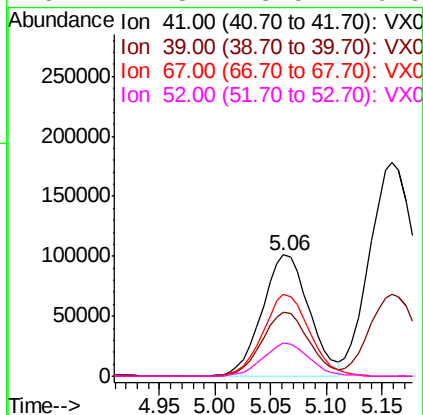
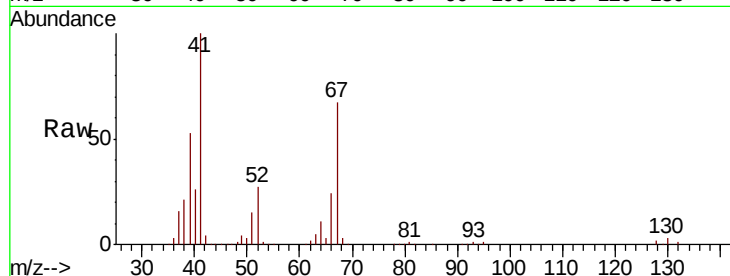
#35
Methacrylonitrile
Concen: 98.964 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	26.1	78.3	
67	67.4	32.3	96.9	
52	27.3	13.5	40.5	

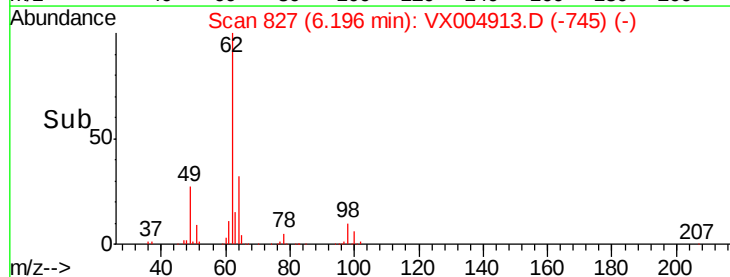
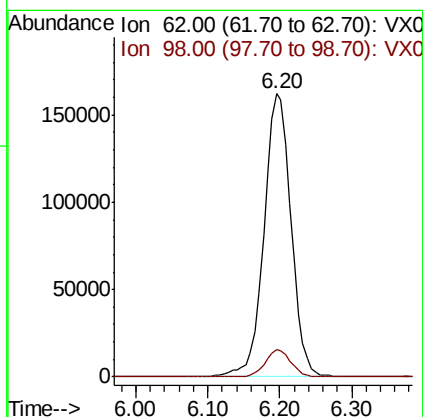
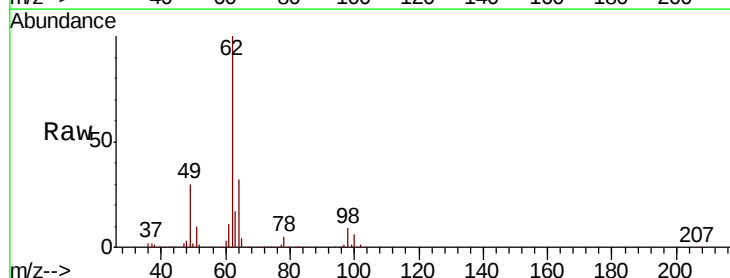
Manual Integrations
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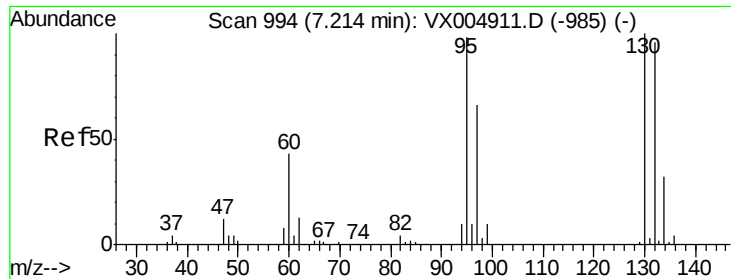
MMDadoda
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#36
1,2-Dichloroethane
Concen: 97.101 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.5	11.3	





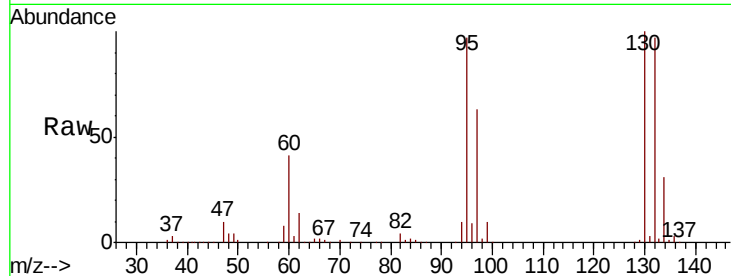
#37
 Trichloroethene
 Concen: 99.601 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

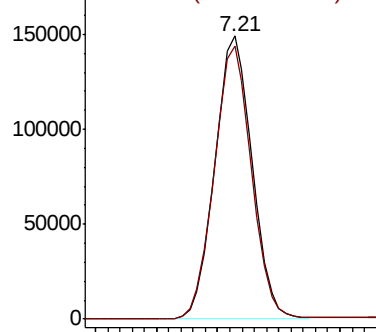
Tot Ion:130 Resp: 316519
 Ion Ratio Lower Upper
 130 100
 95 96.5 78.5 117.7

Manual Integrations
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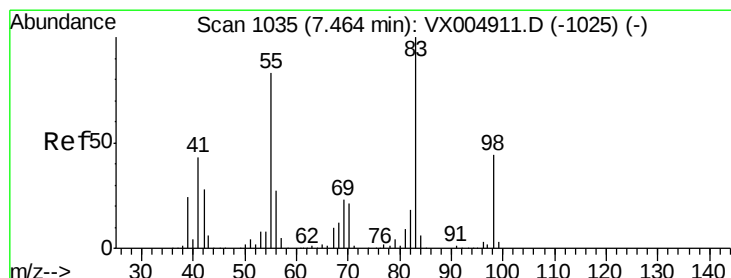
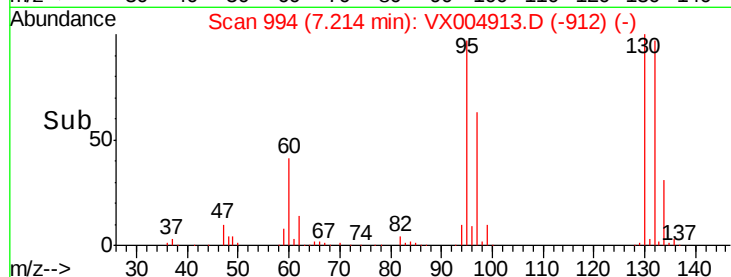
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Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

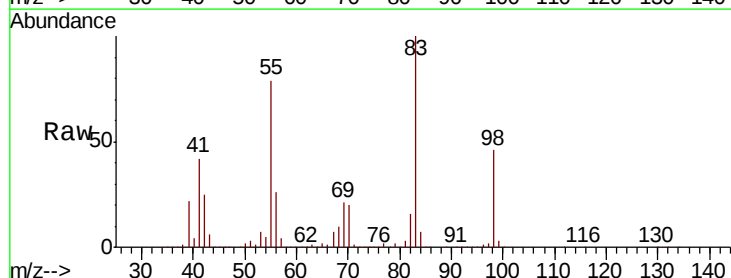


Time--> 7.10 7.15 7.20 7.25 7.30

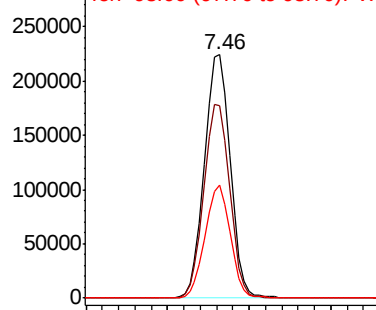


#38
 Methylcyclohexane
 Concen: 103.676 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

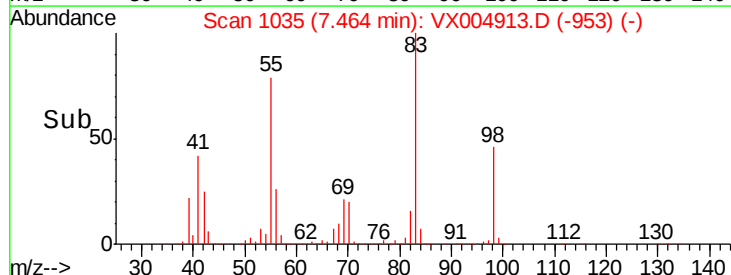
Tgt Ion: 83 Resp: 489358
 Ion Ratio Lower Upper
 83 100
 55 79.9 41.8 125.3
 98 45.5 22.4 67.3

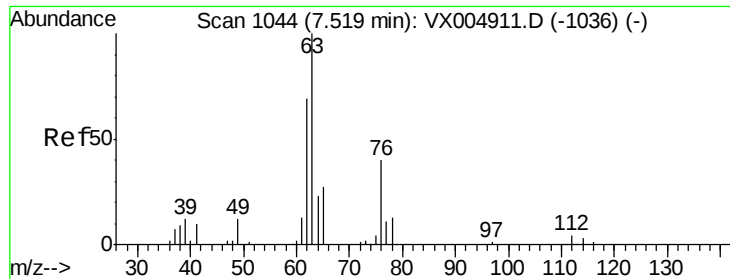


Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



Time--> 7.30 7.40 7.50 7.60





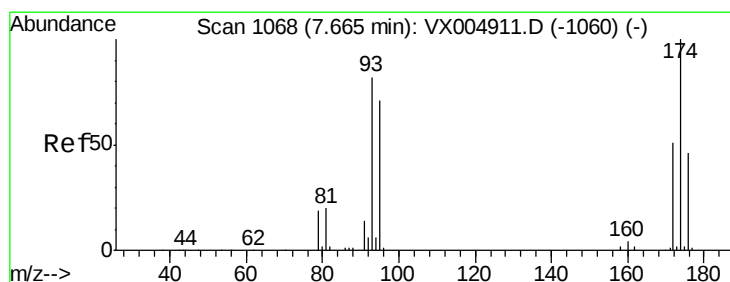
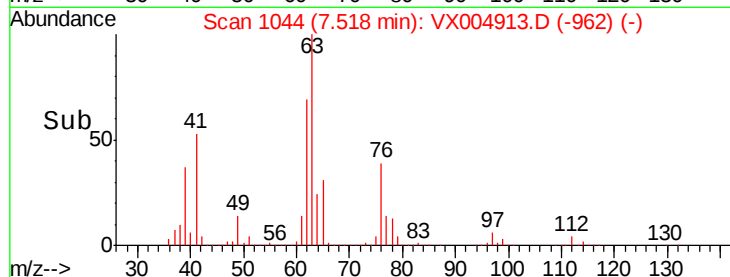
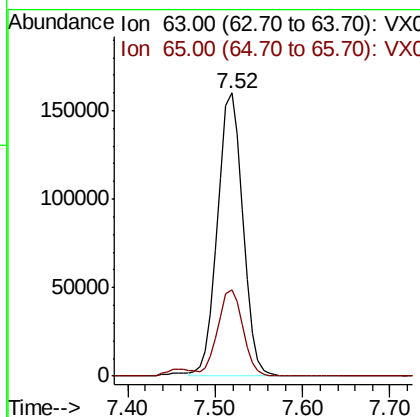
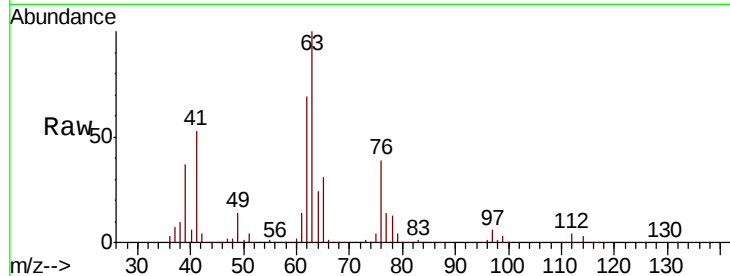
#39
 1,2-Dichloropropane
 Concen: 100.010 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.2	34.8

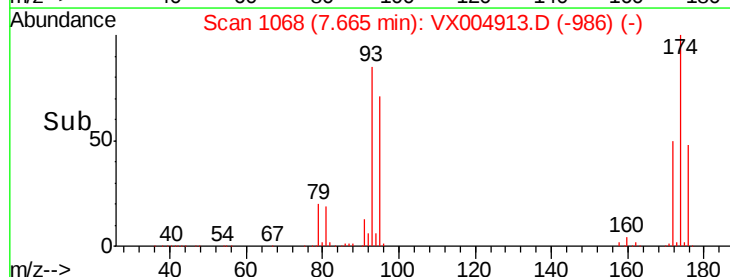
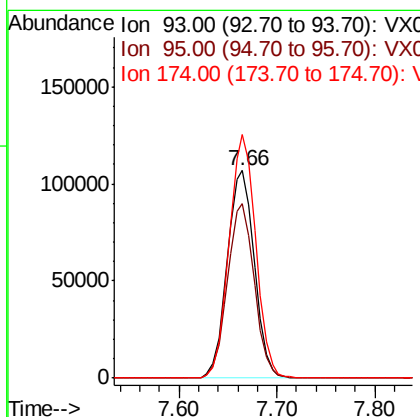
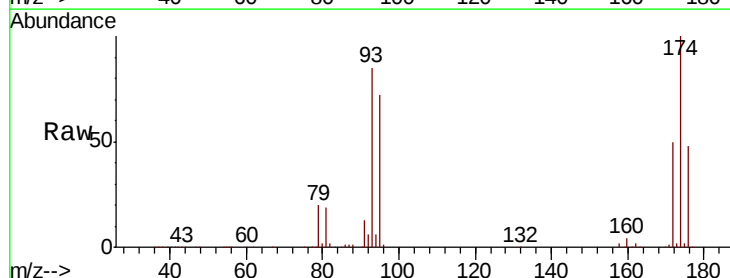
Manual Integrations
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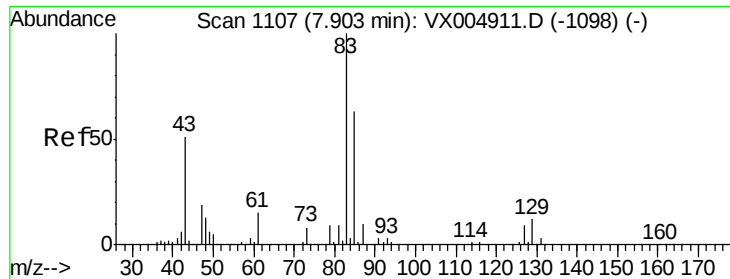
MMDadoda
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#40
 Dibromomethane
 Concen: 98.827 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	172.4
174	115.0	0.0	234.0





#41

Bromodichloromethane

Concen: 100.898 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

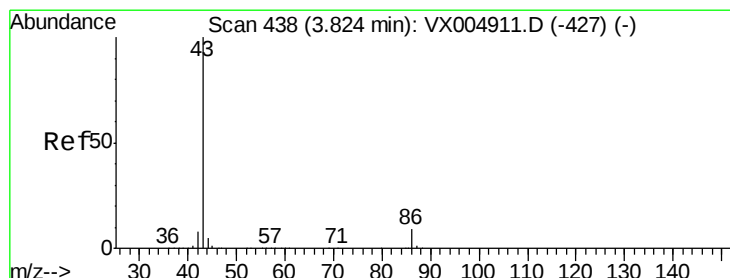
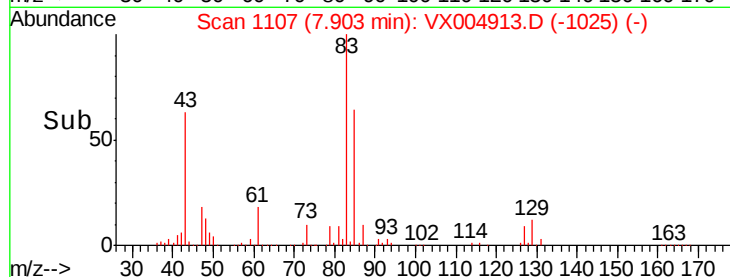
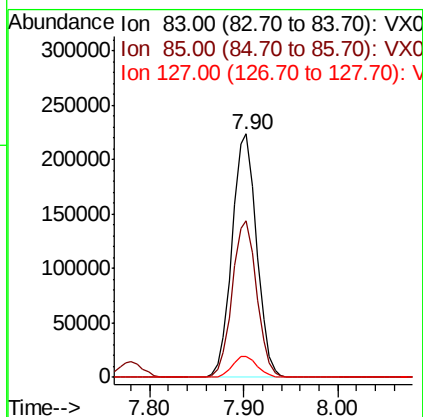
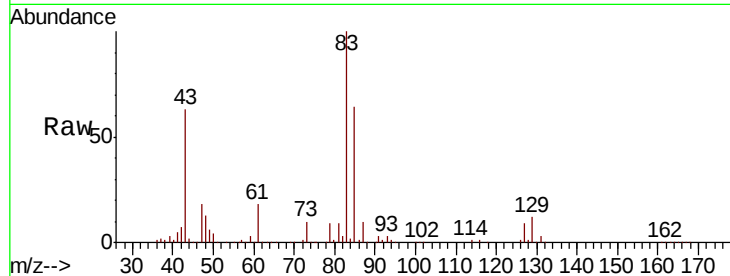
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	405257
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.2	75.4
127	8.6	6.9	10.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 489.744 ug/l

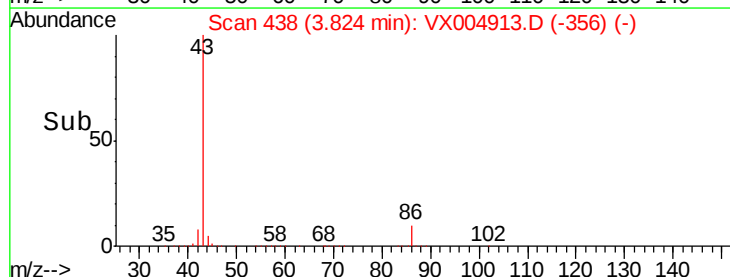
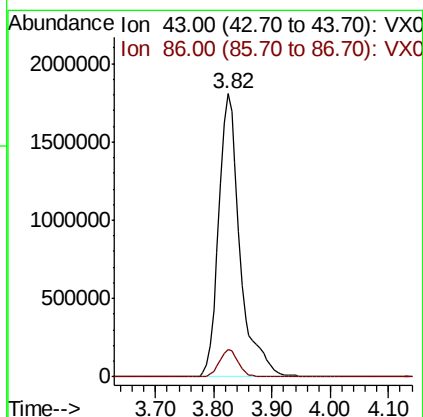
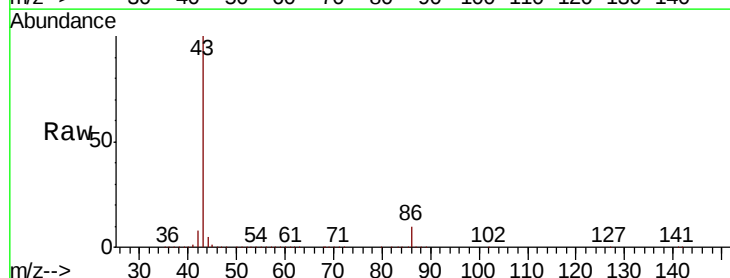
RT: 3.82 min Scan# 438

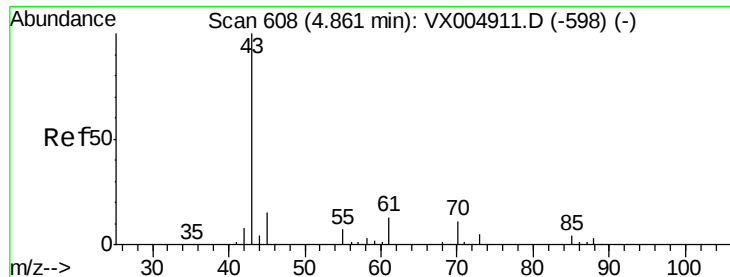
Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	43	Resp:	4579823
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.6	10.0





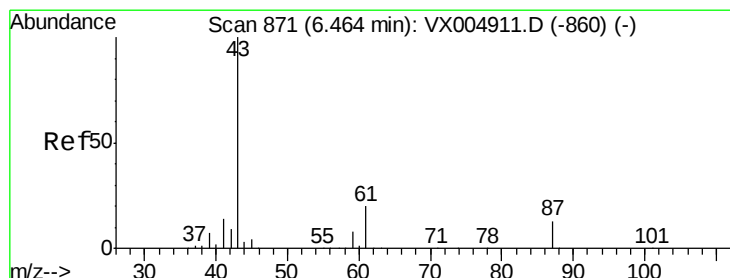
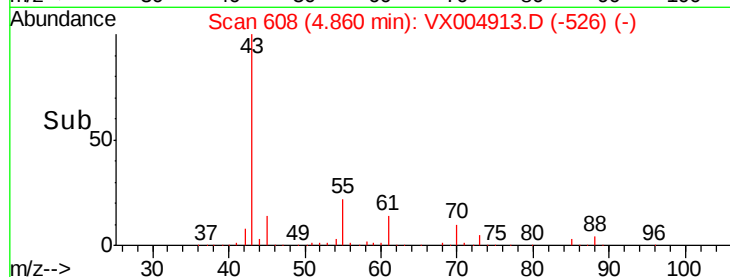
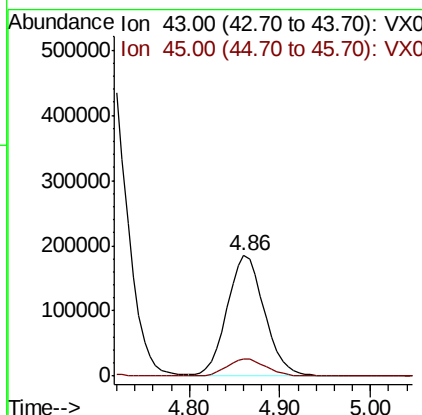
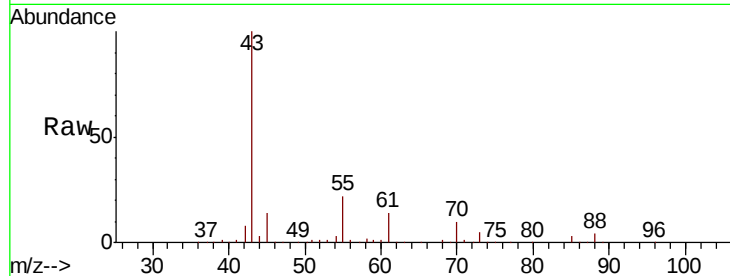
#43
Ethyl Acetate
Concen: 99.071 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleID :
VSTDICC100

Tot Ion	43	45	Ratio	Lower	Upper
528241	100	15.2		12.3	18.5

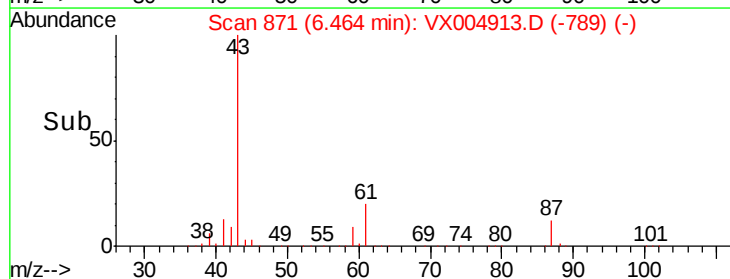
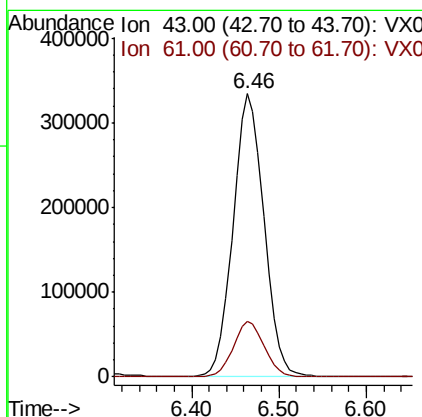
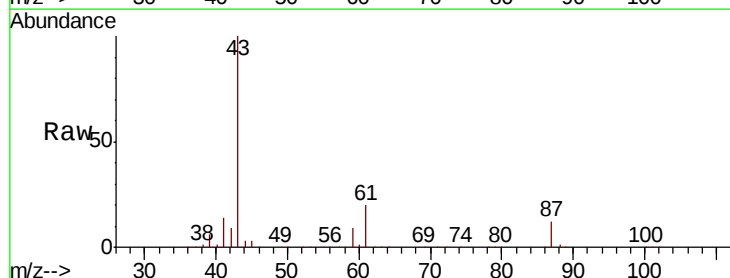
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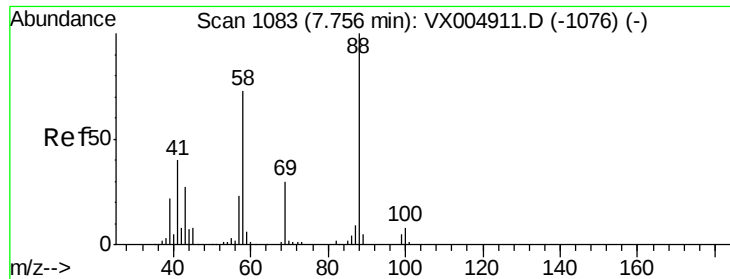
MMDadoda
10/3/2018 4:23:25 PM



#44
Isopropyl Acetate
Concen: 102.565 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	43	61	Ratio	Lower	Upper
816102	100	19.8		15.7	23.5





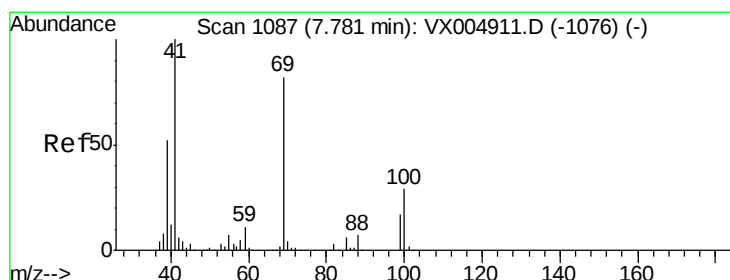
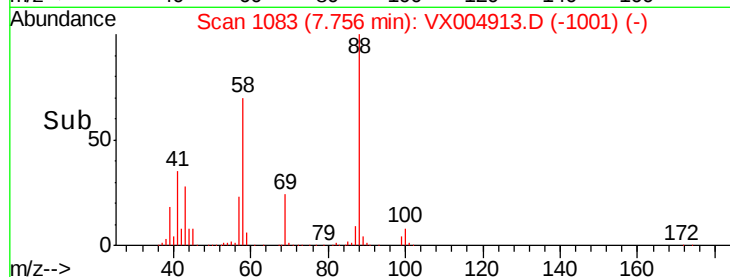
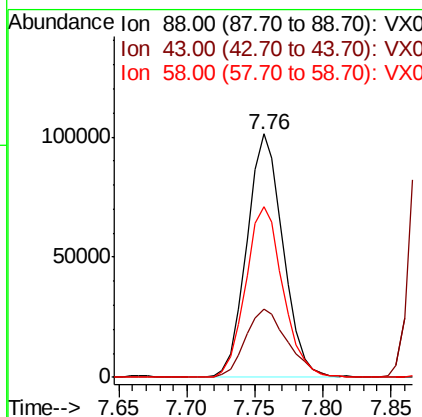
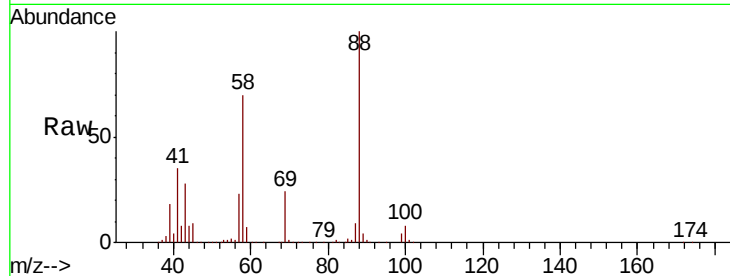
#45
 1,4-Dioxane
 Concen: 2015.917 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	188981		
43	32.4		25.4	38.0
58	72.3		61.0	91.6

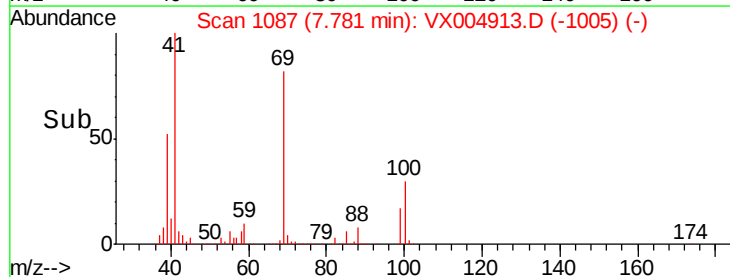
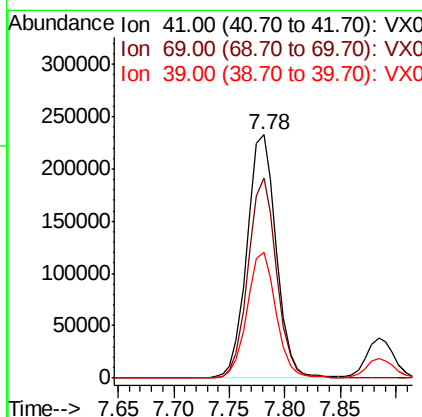
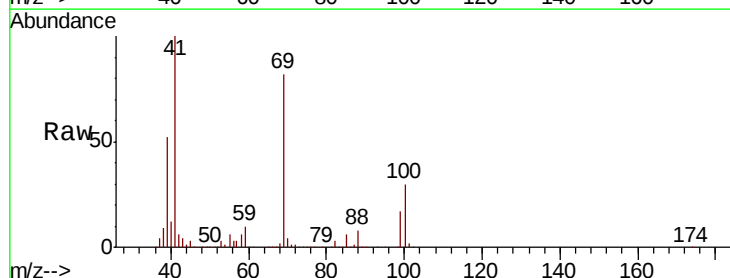
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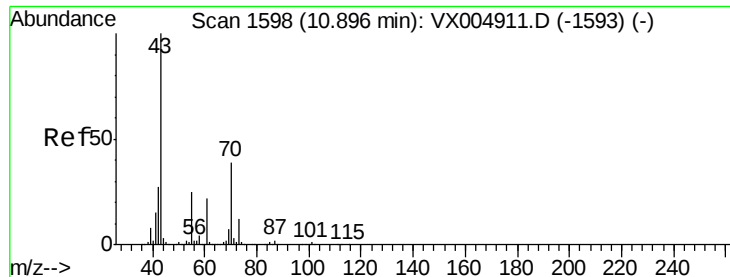
MMDadoda
 10/3/2018 4:23:25 PM



#46
 Methyl methacrylate
 Concen: 103.309 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	426484		
69	82.5		41.0	123.0
39	51.7		25.9	77.7





#47

n-amvl Acetate

Concen: 105.071 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 771343

Ion Ratio Lower Upper

43 100

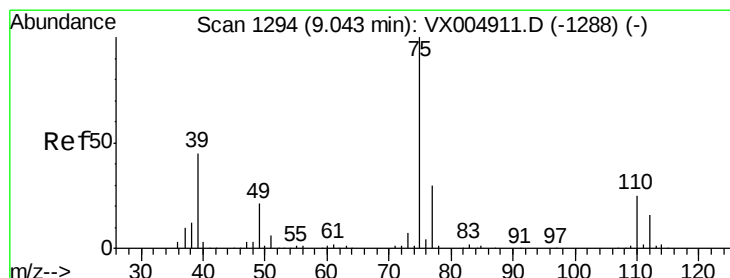
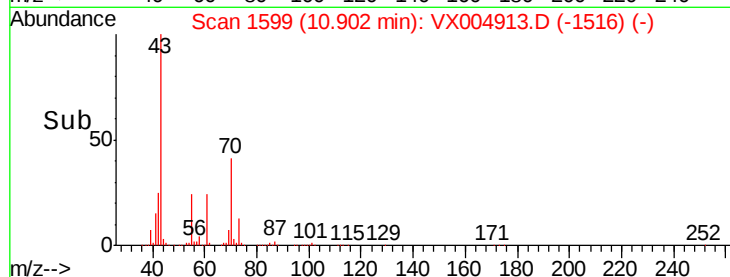
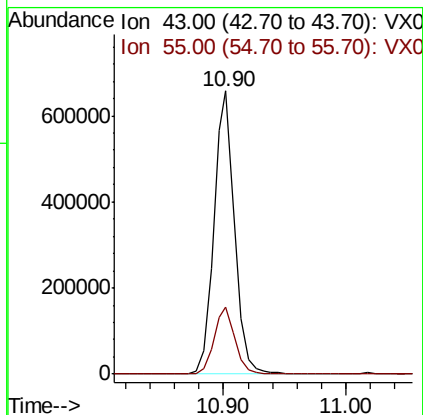
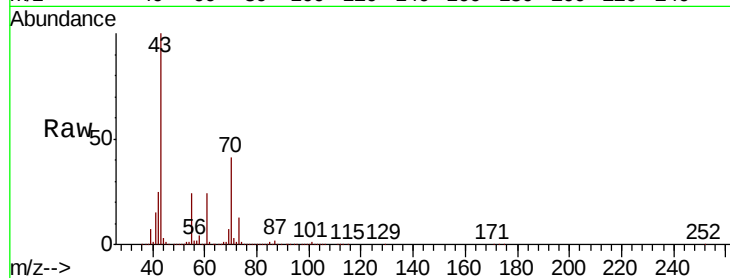
55 23.8 20.0 30.0

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 99.237 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004913.D

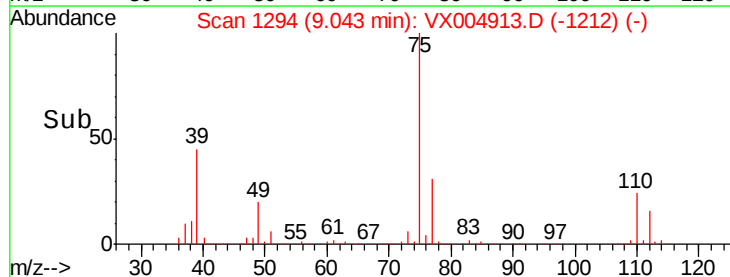
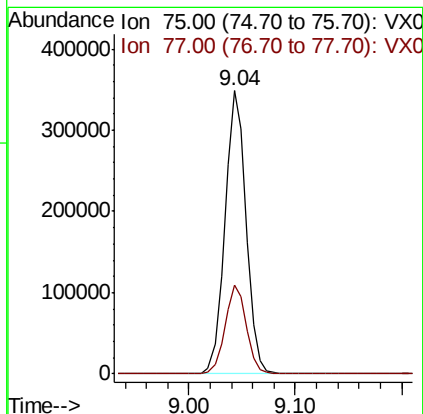
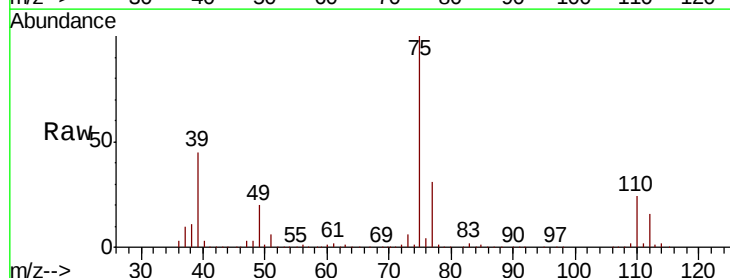
Acq: 02 Oct 2018 11:25

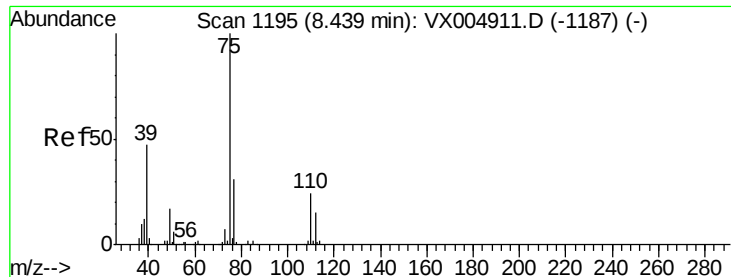
Tgt Ion: 75 Resp: 483012

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6





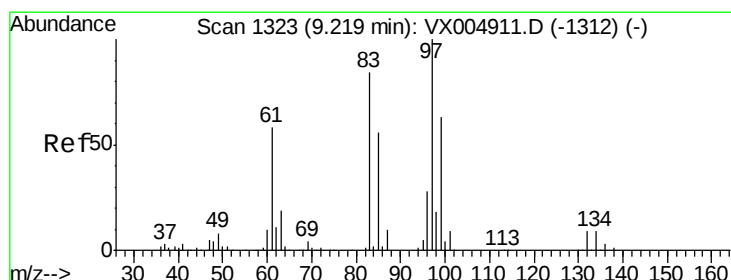
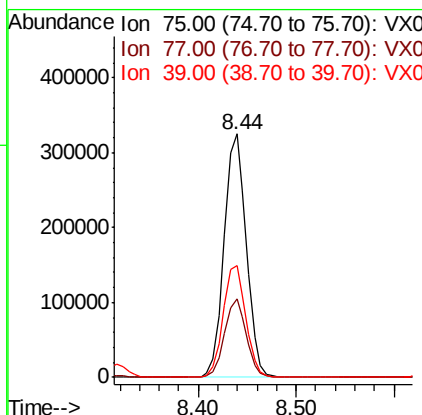
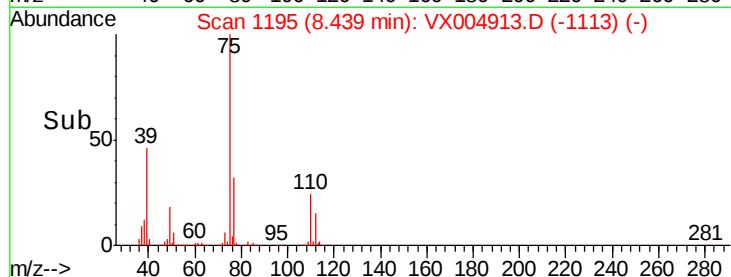
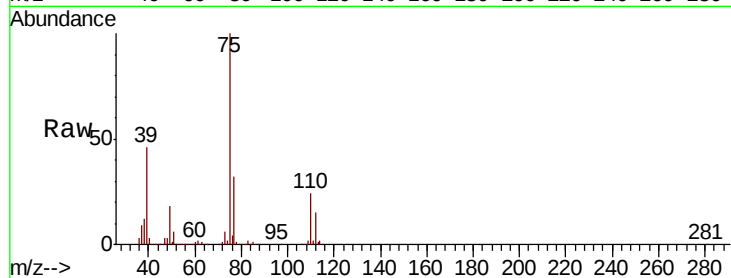
#49
 cis-1,3-Dichloropropene
 Concen: 108.530 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	46.1	38.0	57.0

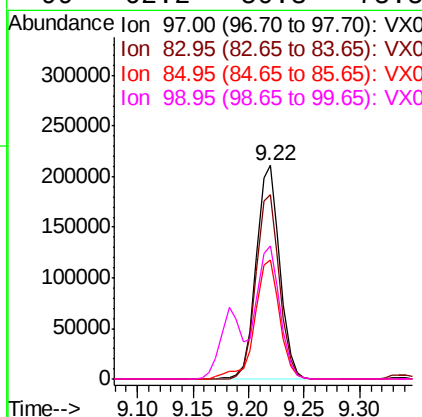
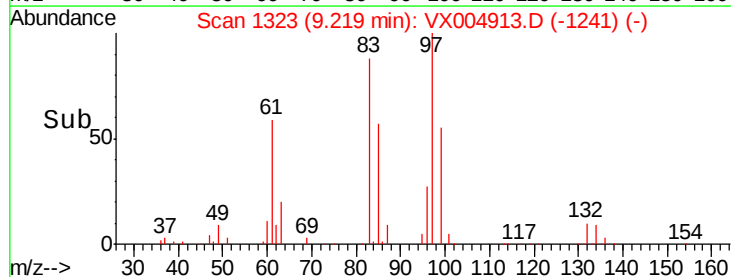
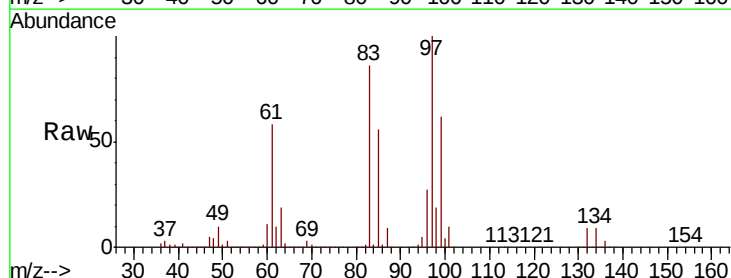
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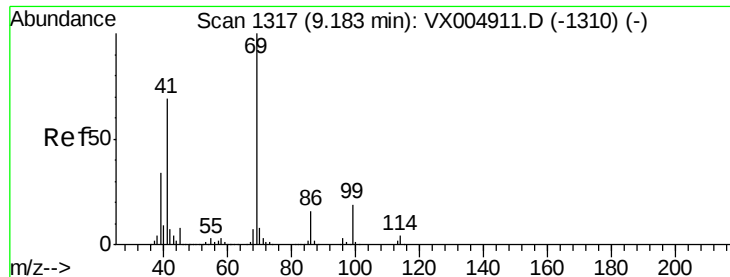
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 98.827 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.2	100.8
85	55.9	44.7	67.1
99	62.2	50.3	75.5





#51

Ethyl methacrylate

Concen: 105.070 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

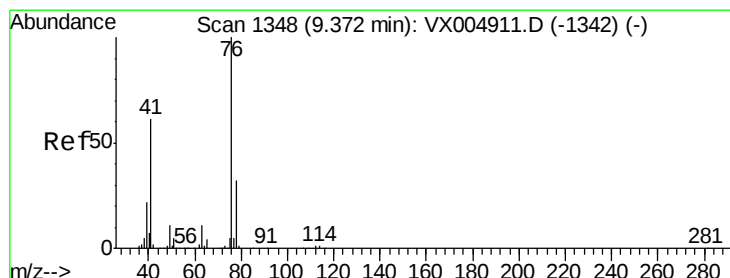
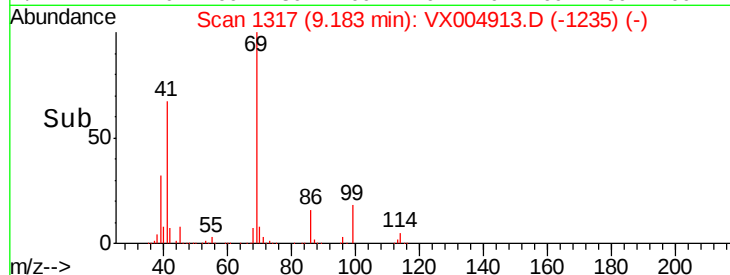
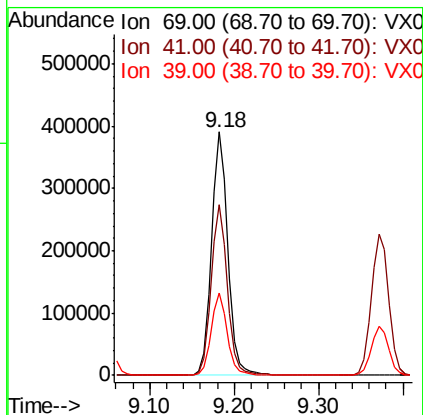
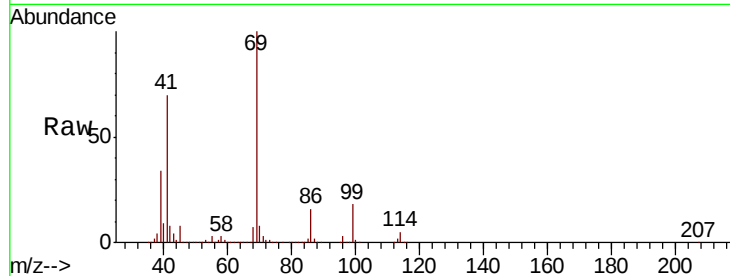
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	525981
Ion Ratio	Lower	Upper	
69	100		
41	69.9	34.6	103.9
39	33.8	17.0	51.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 98.767 ug/l

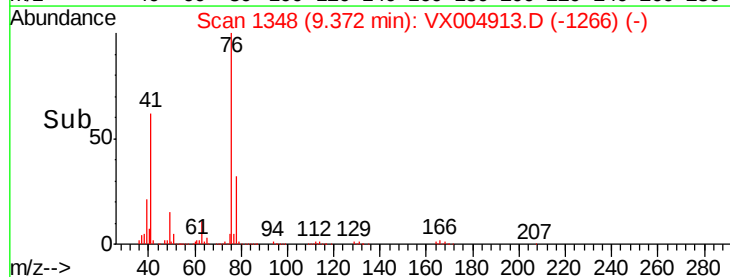
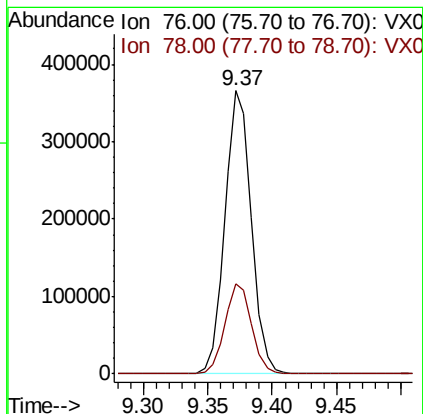
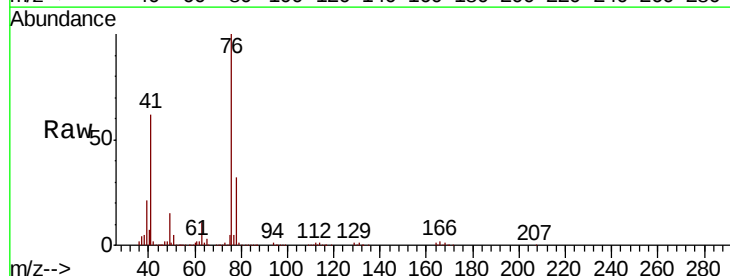
RT: 9.37 min Scan# 1348

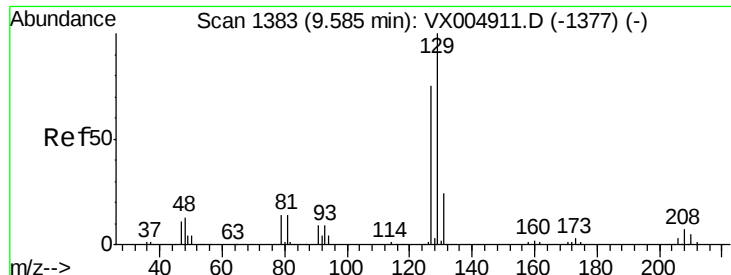
Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	76	Resp:	525592
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	64.4





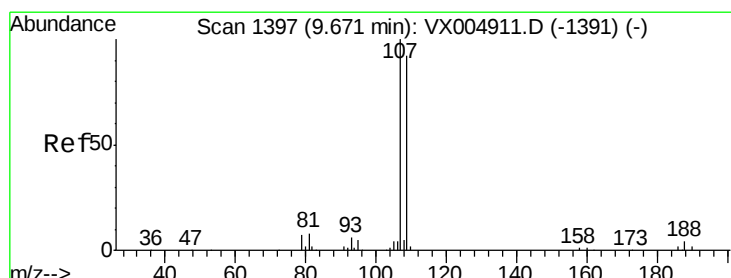
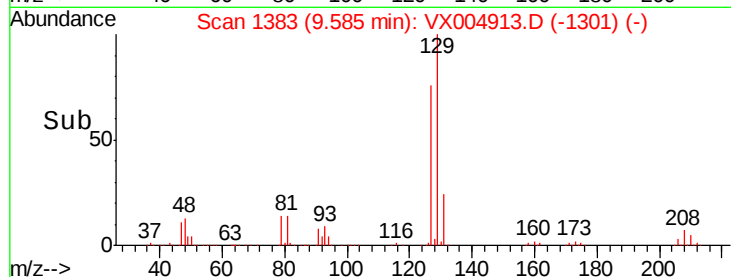
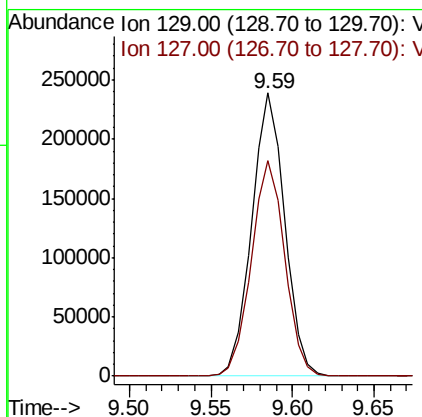
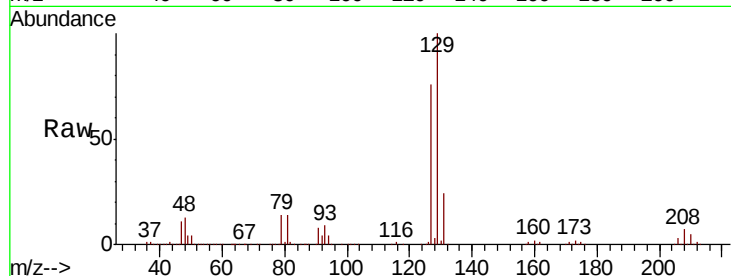
#53
 Dibromochloromethane
 Concen: 102.998 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.3	114.9

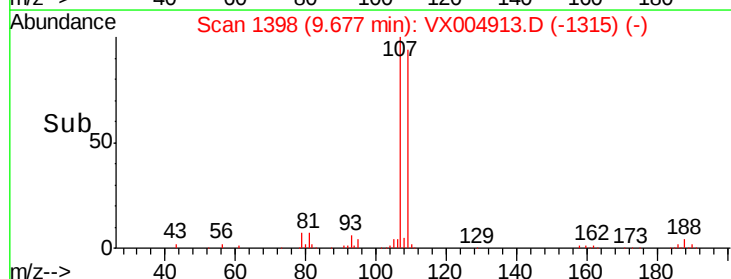
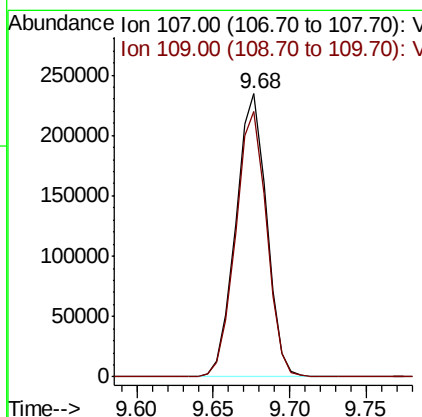
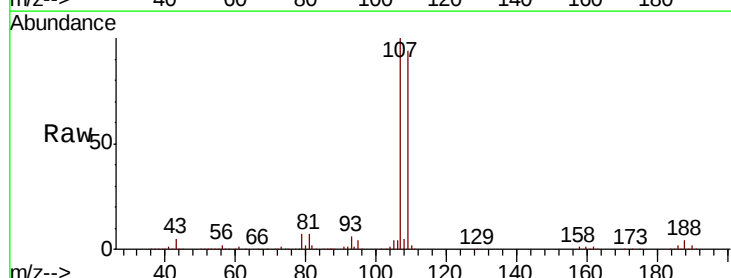
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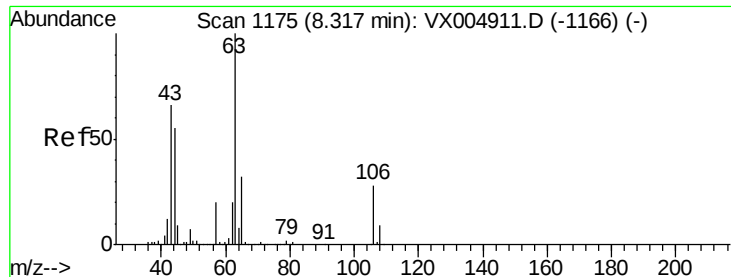
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 99.564 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.8	112.2





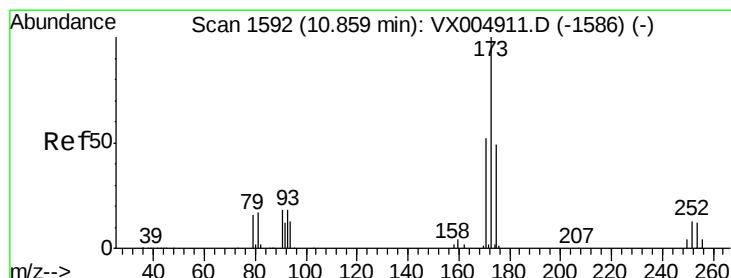
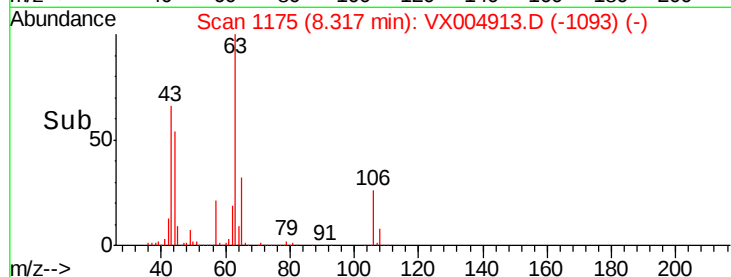
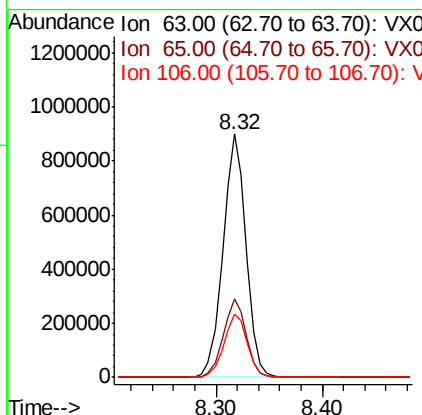
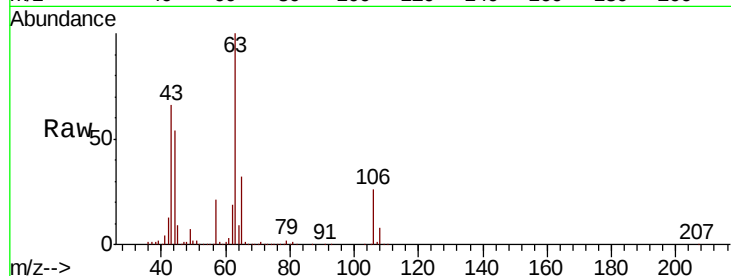
#55
2-Chloroethyl vinyl ether
Concen: 511.495 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 63 Resp: 1351115
Ion Ratio Lower Upper
63 100
65 32.2 25.9 38.9
106 26.4 21.8 32.6

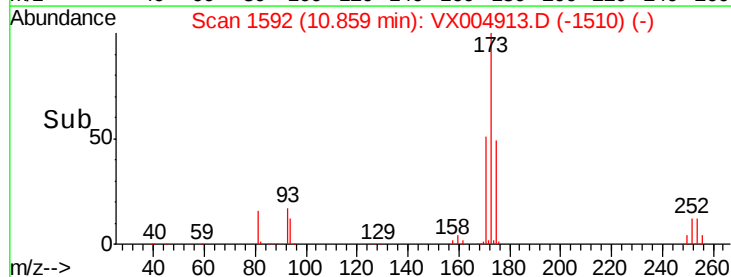
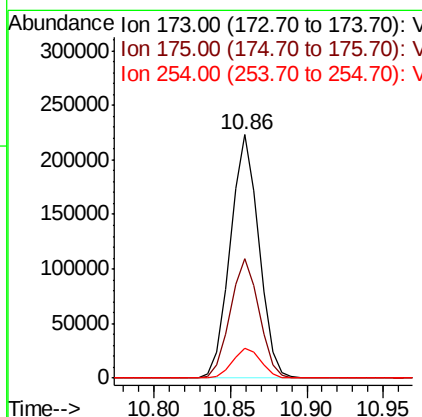
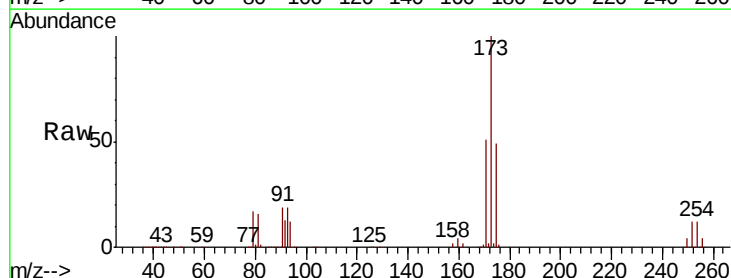
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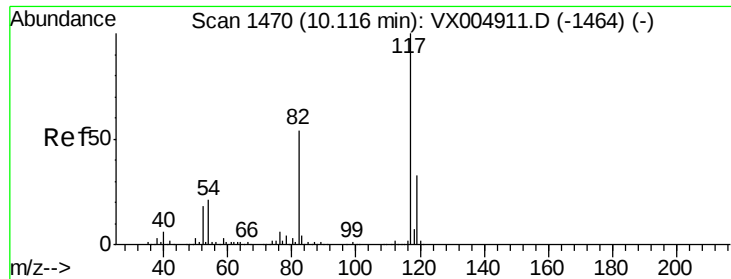
MMDadoda
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#56
Bromoform
Concen: 105.623 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion: 173 Resp: 288667
Ion Ratio Lower Upper
173 100
175 49.2 39.7 59.5
254 12.4 9.6 14.4





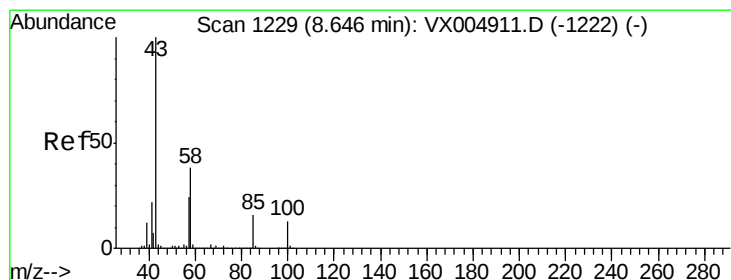
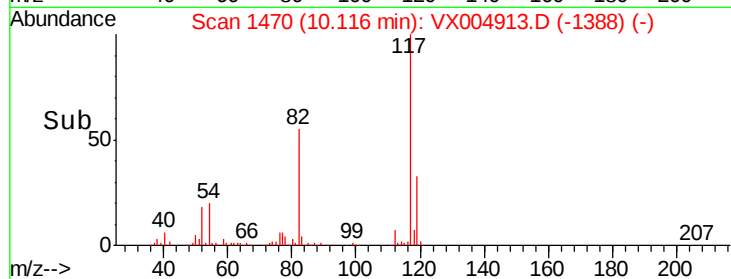
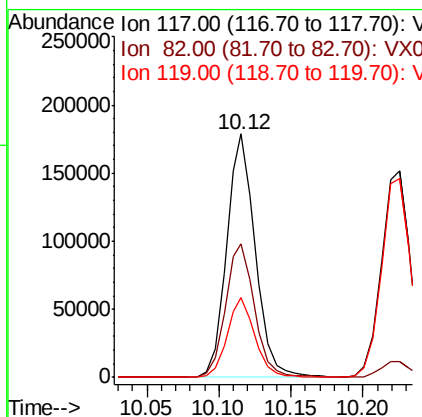
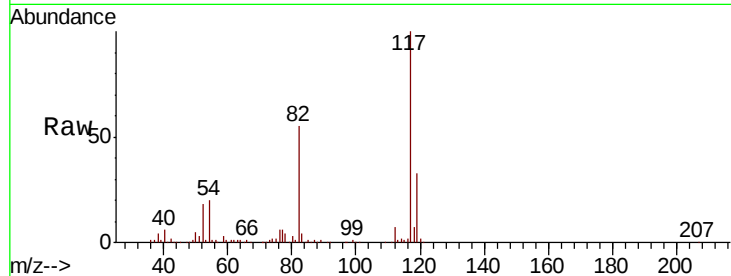
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249075		
82	55.7		44.2	66.4
119	31.9		25.8	38.6

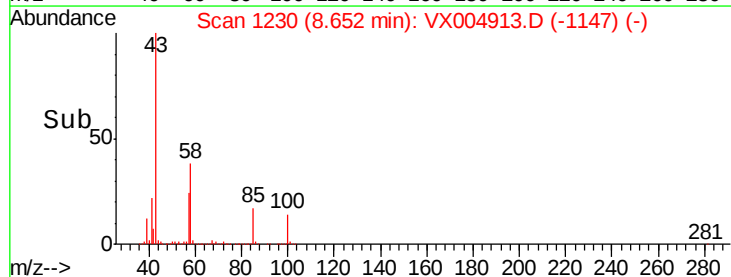
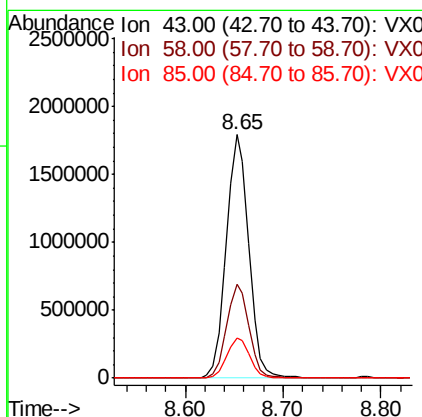
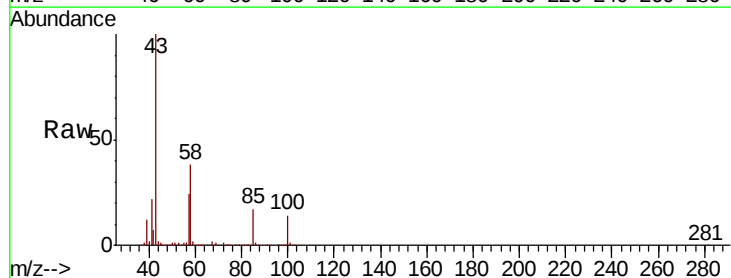
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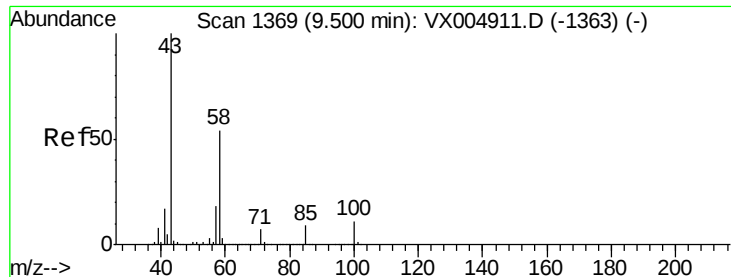
MMDadoda
10/3/2018 4:23:25 PM



#58
4-Methyl-2-Pentanone
Concen: 511.619 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	2861211		
58	38.7		30.8	46.2
85	16.8		13.1	19.7





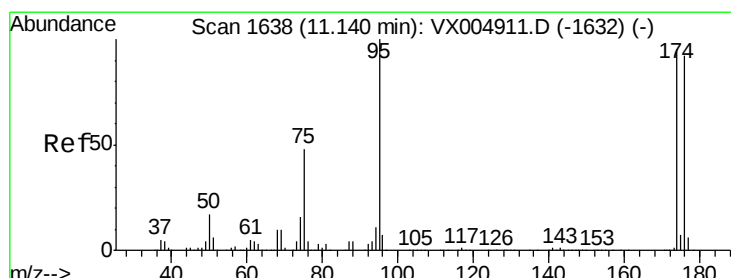
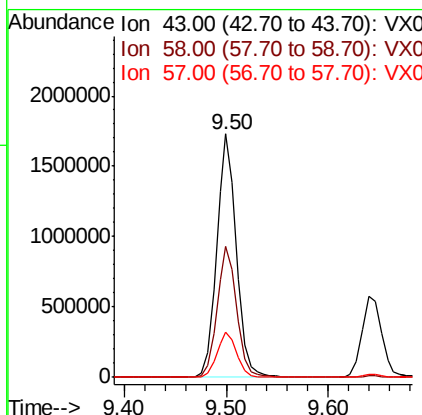
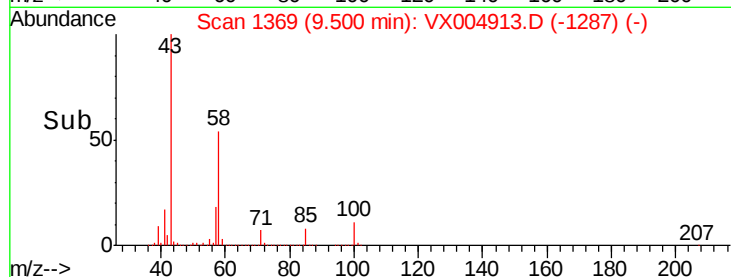
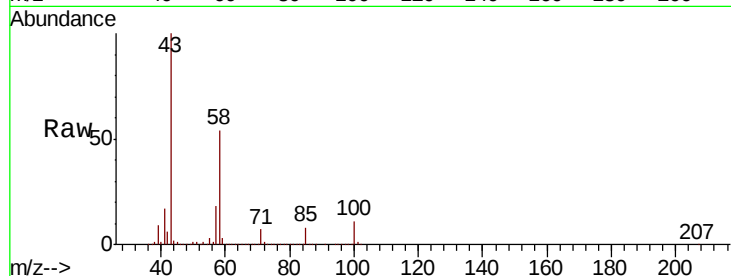
#59
2-Hexanone
Concen: 507.516 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2338413
Ion Ratio Lower Upper
43 100
58 53.7 42.7 64.1
57 18.7 14.6 22.0

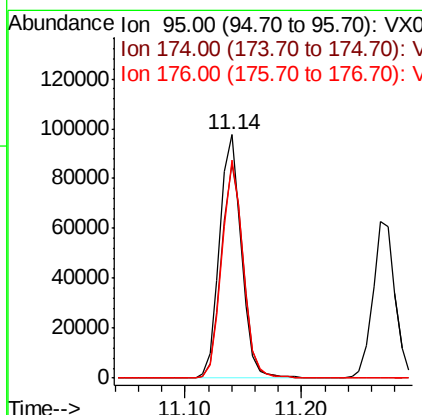
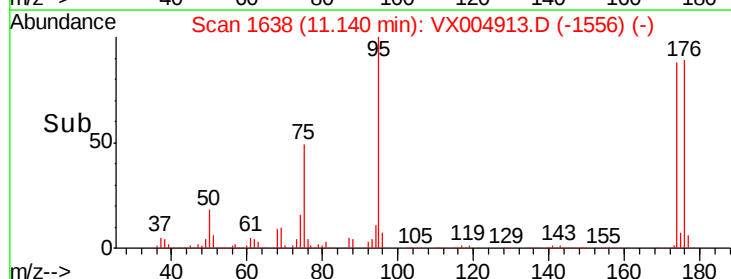
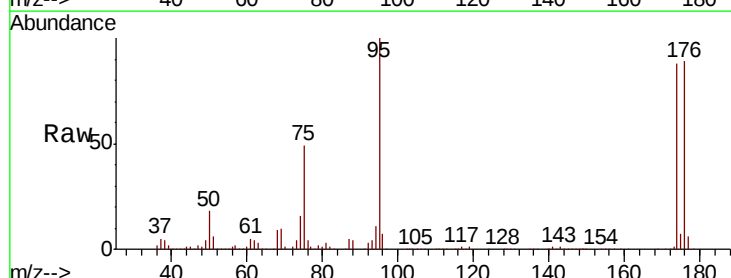
Manual Integrations
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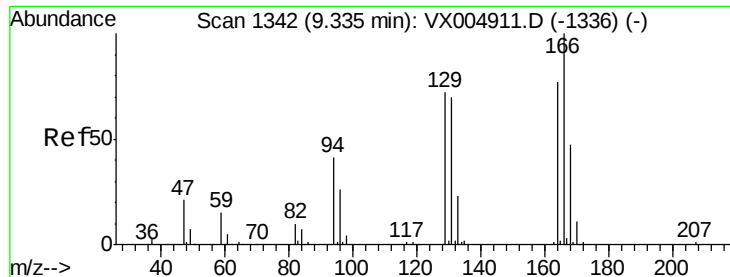
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.348 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion: 95 Resp: 125645
Ion Ratio Lower Upper
95 100
174 89.0 73.1 109.7
176 87.8 71.0 106.6





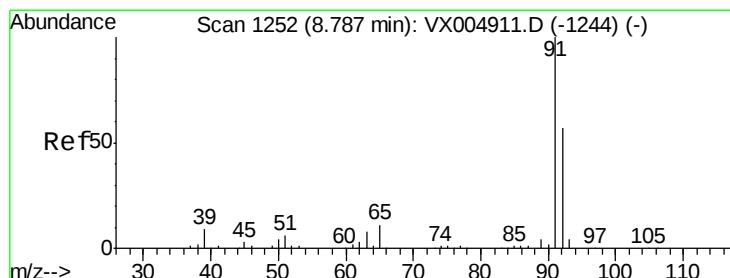
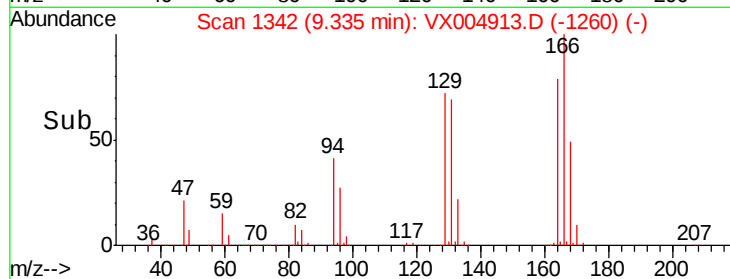
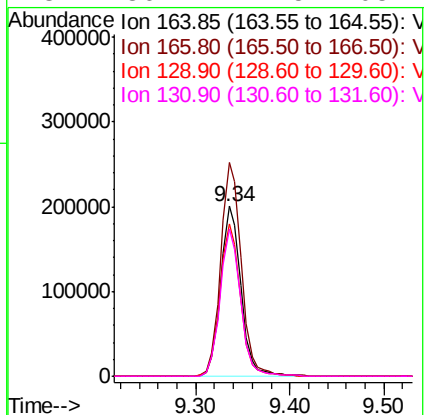
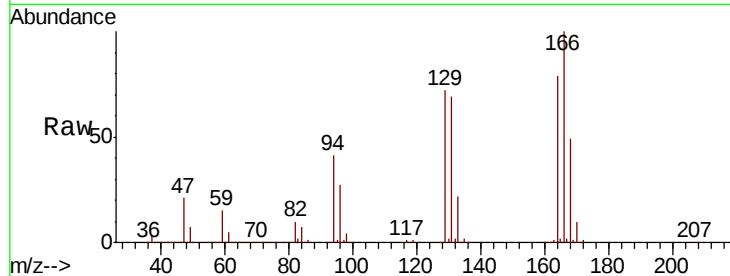
#61
Tetrachloroethene
Concen: 99.169 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.9	104.0	156.0	
129	90.0	75.1	112.7	
131	86.4	72.5	108.7	

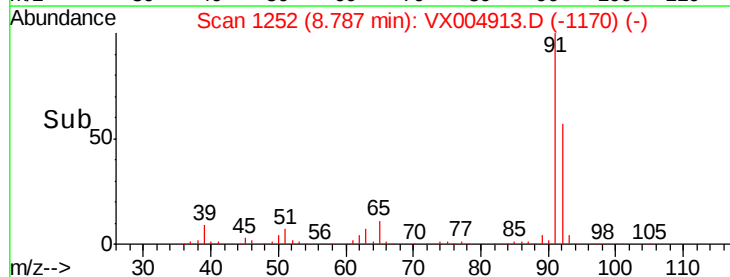
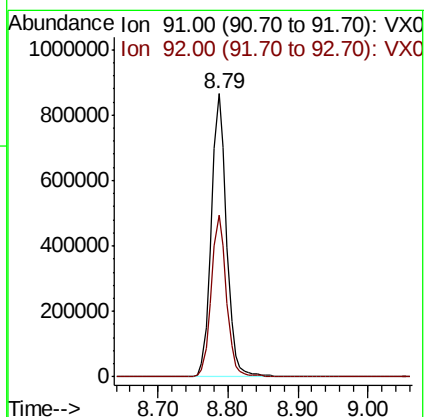
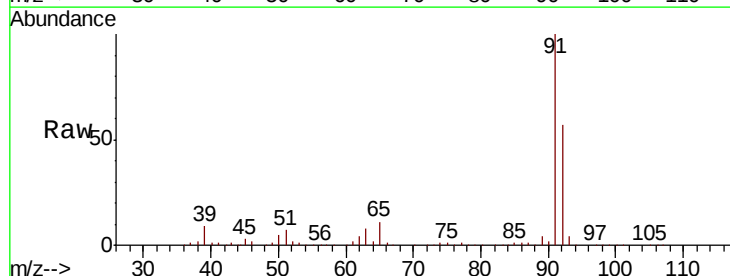
Manual Integrations
APPROVED

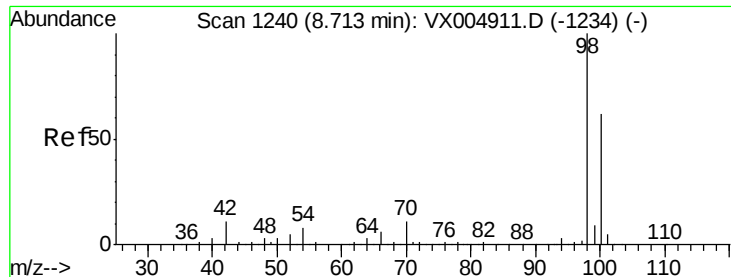
MMDadoda
10/3/2018 4:23:25 PM



#62
Toluene
Concen: 100.007 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.3	46.2	69.4	





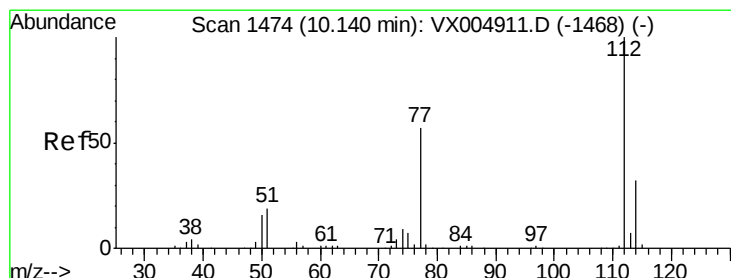
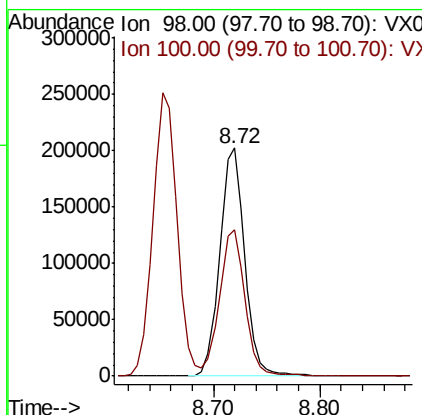
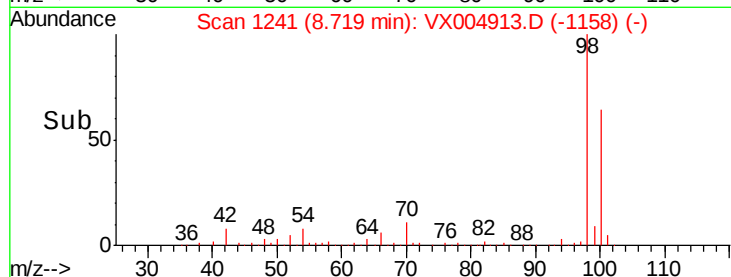
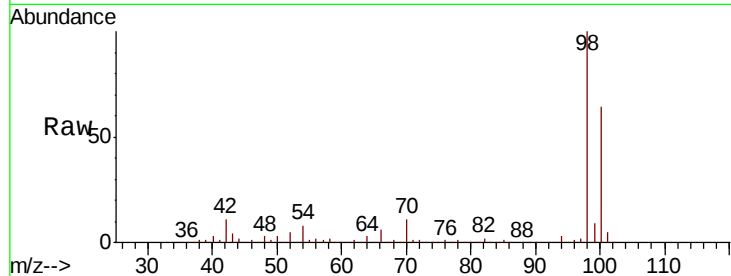
#63
Toluene-d8
Concen: 29.588 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 98 Resp: 328962
Ion Ratio Lower Upper
98 100
100 65.7 51.6 77.4

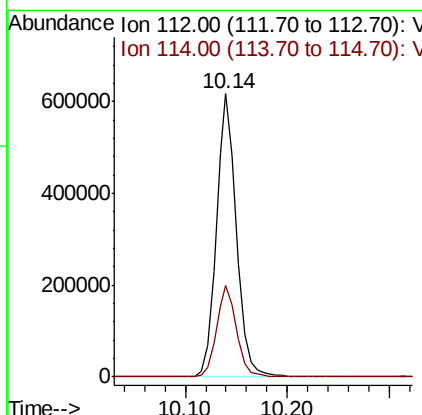
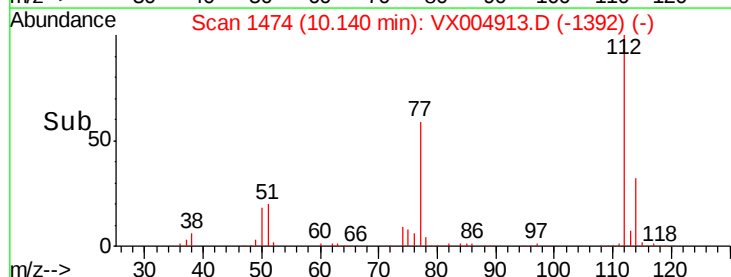
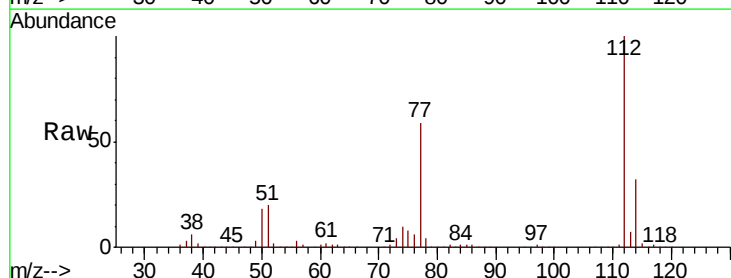
Manual Integrations
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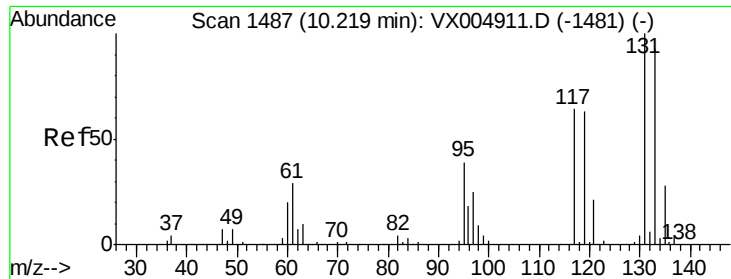
MMDadoda
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#64
Chlorobenzene
Concen: 100.306 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion: 112 Resp: 847948
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 101.822 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

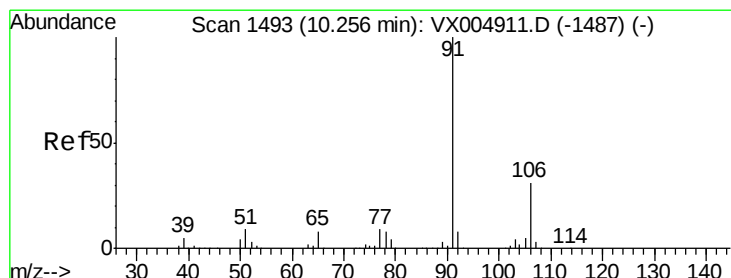
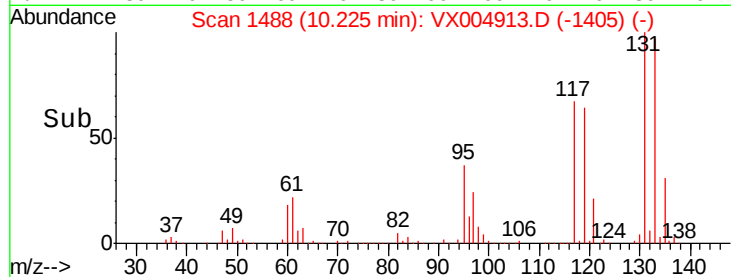
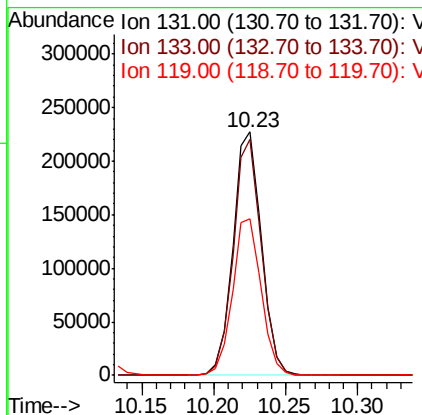
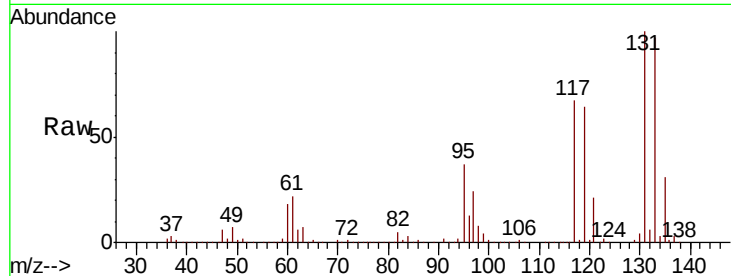
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	312903
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	190.4
119	64.8	0.0	129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 102.385 ug/l

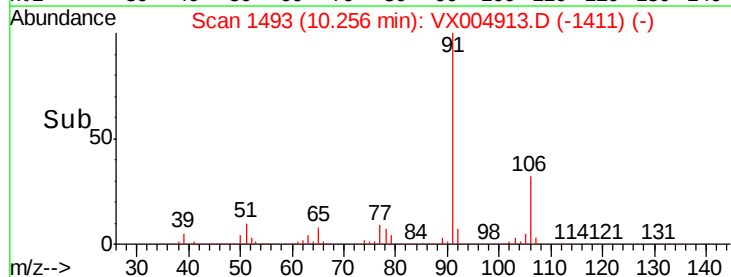
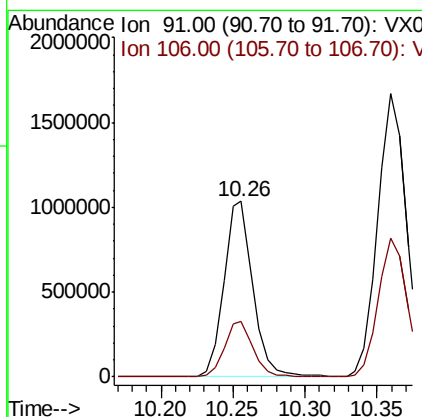
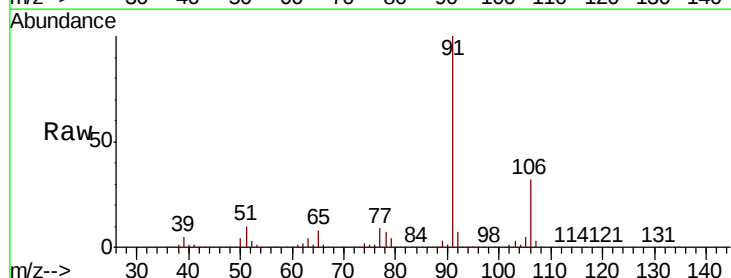
RT: 10.26 min Scan# 1493

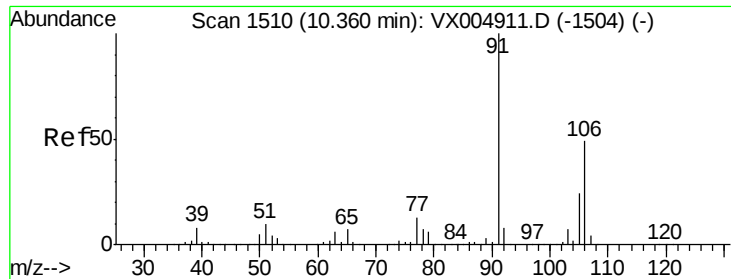
Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Tgt Ion:	91	Resp:	1463156
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.5	36.7





#67

m/p-Xvlenes

Concen: 205.840 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1145361

Ion Ratio Lower Upper

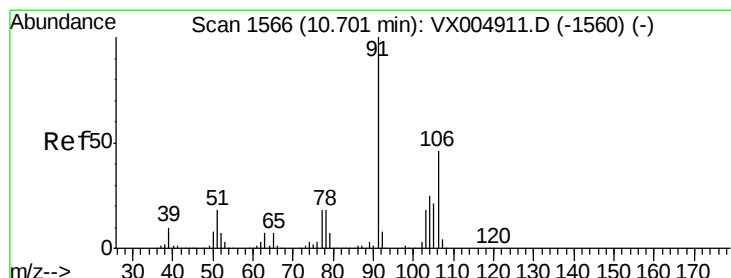
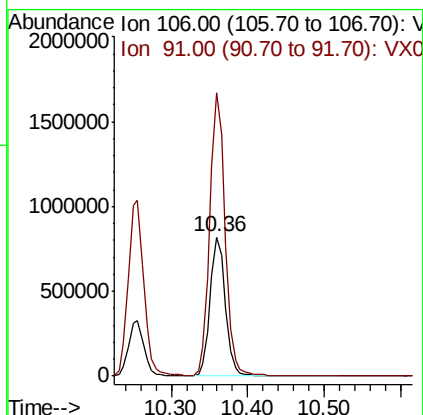
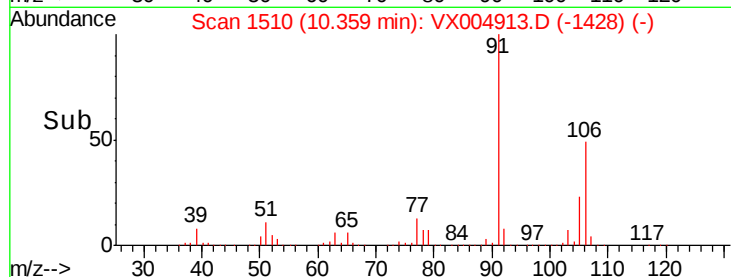
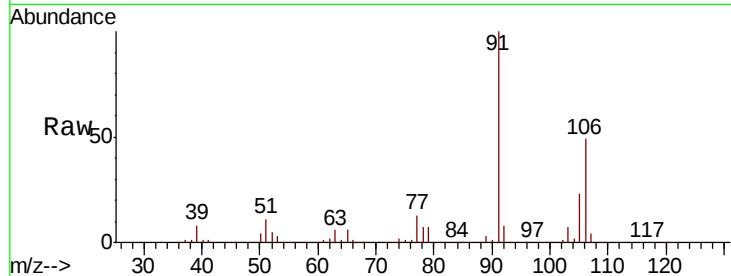
106 100

91 203.3 165.5 248.3

Manual Integrations
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#68

o-Xylene

Concen: 102.999 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX004913.D

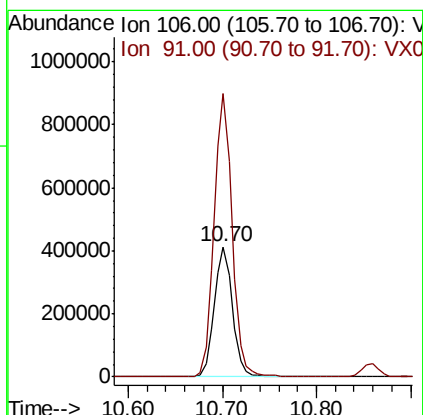
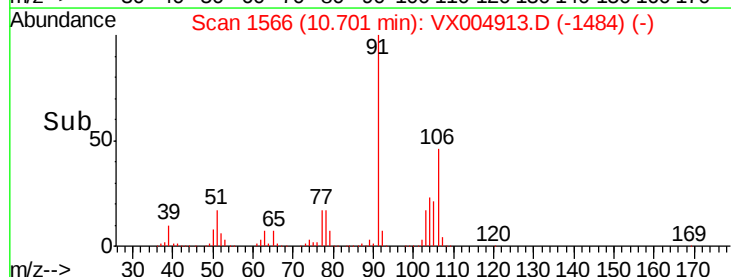
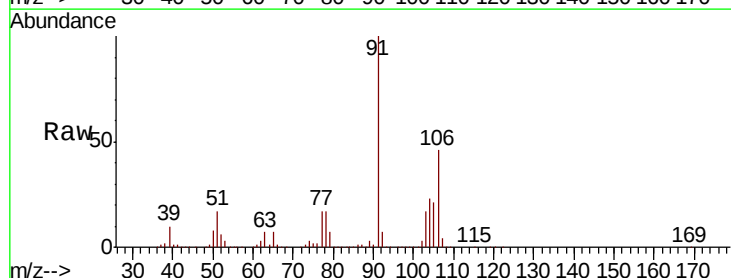
Acq: 02 Oct 2018 11:25

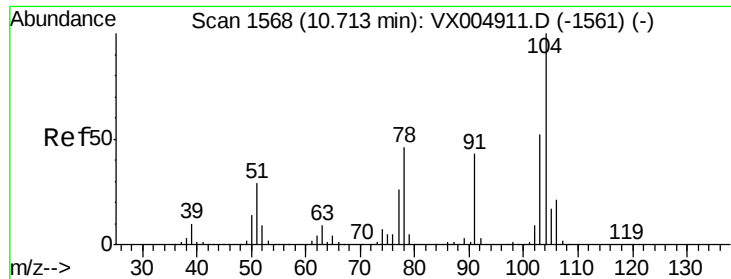
Tgt Ion:106 Resp: 552454

Ion Ratio Lower Upper

106 100

91 215.7 109.1 327.2





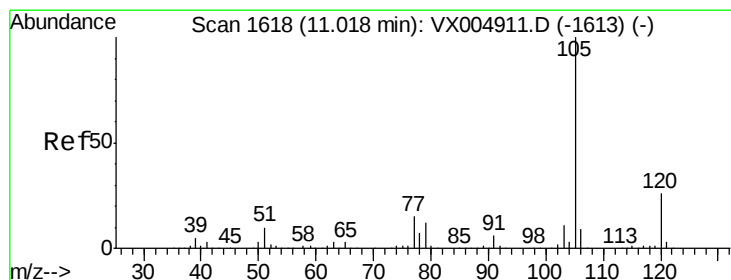
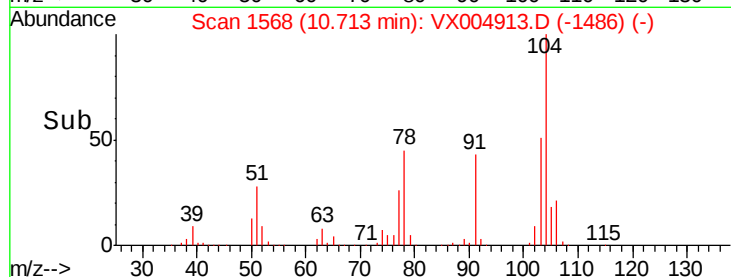
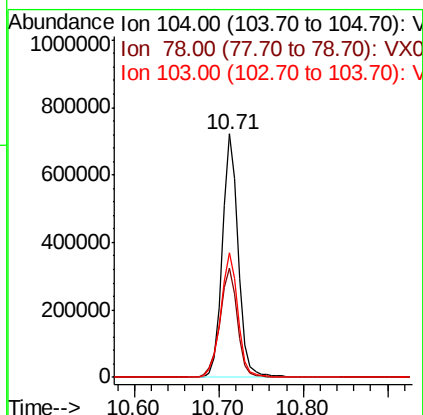
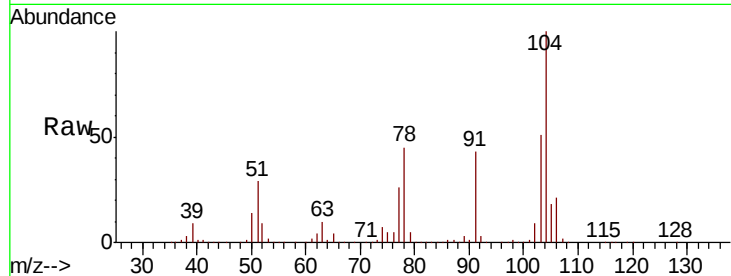
#69
Stvrene
Concen: 104.665 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.3	60.5
103	55.6	44.6	66.8

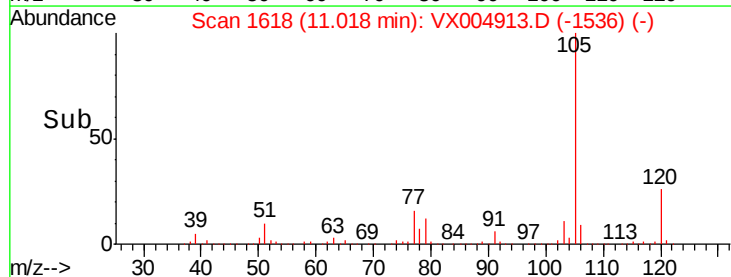
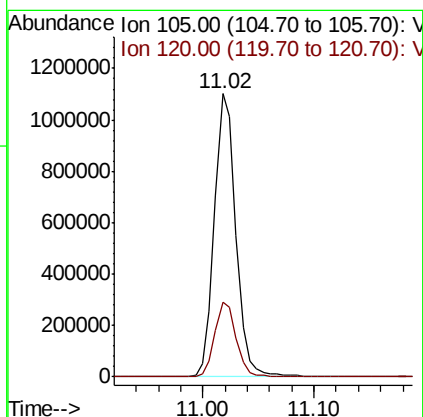
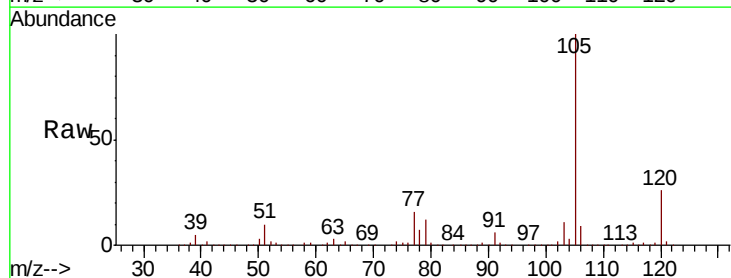
Manual Integrations
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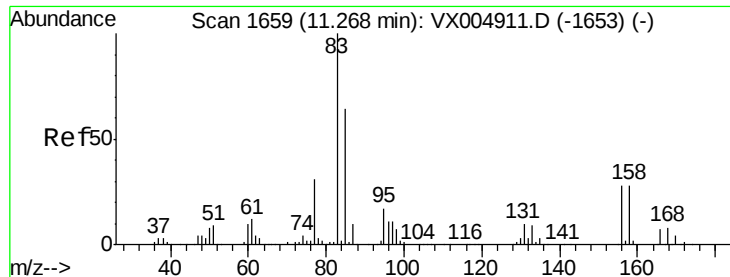
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#70
Isopropylbenzene
Concen: 102.564 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.3	34.1





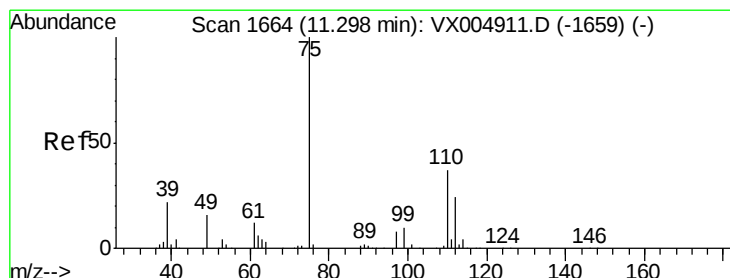
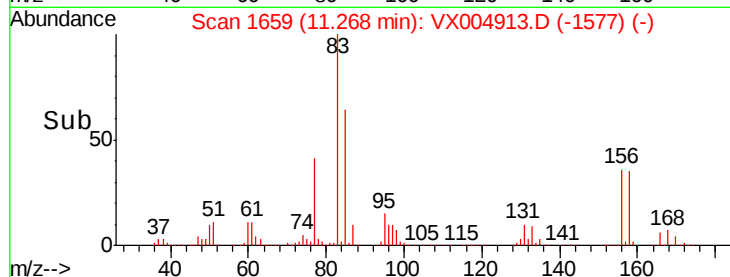
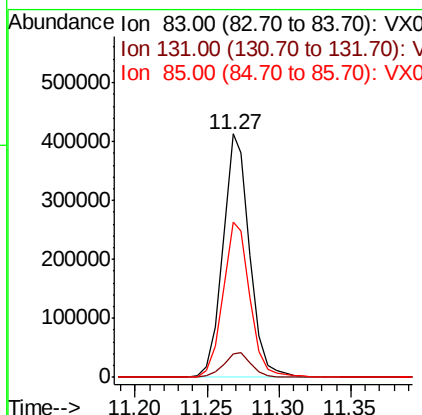
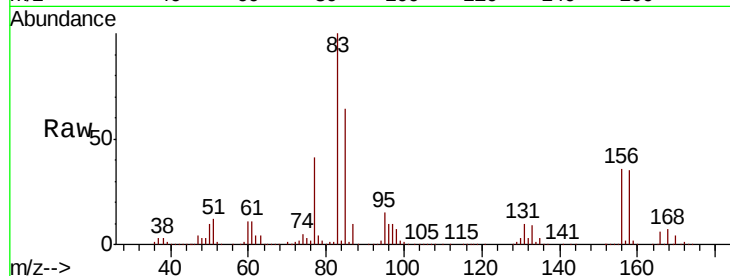
#71
 1,1,2,2-Tetrachloroethane
 Concen: 100.744 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.2
85	64.6	32.2	96.6

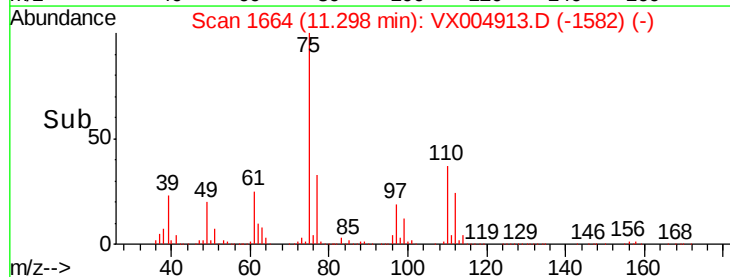
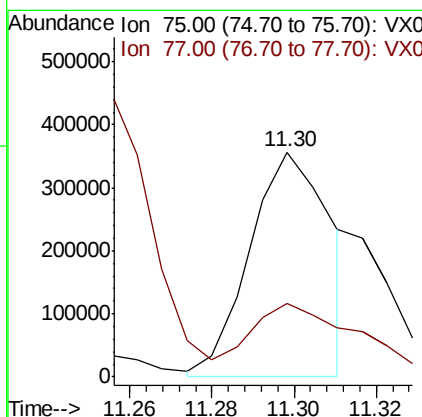
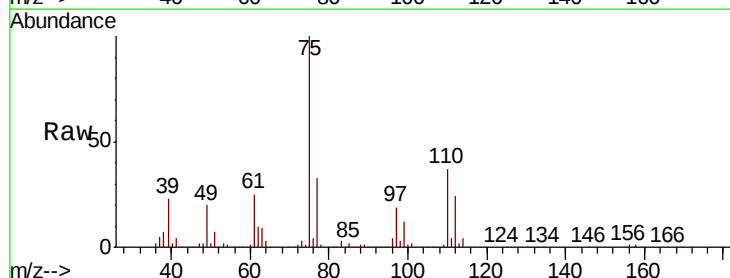
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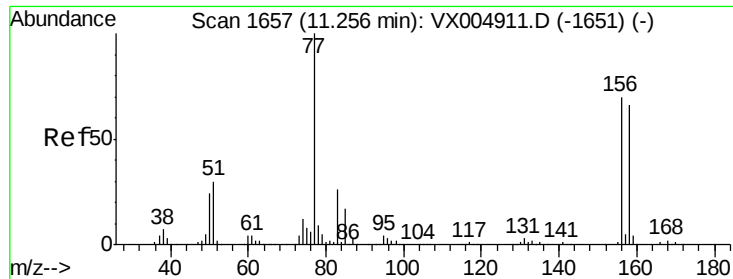
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#72
 1,2,3-Trichloropropane
 Concen: 100.364 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.0	0.0	81.2





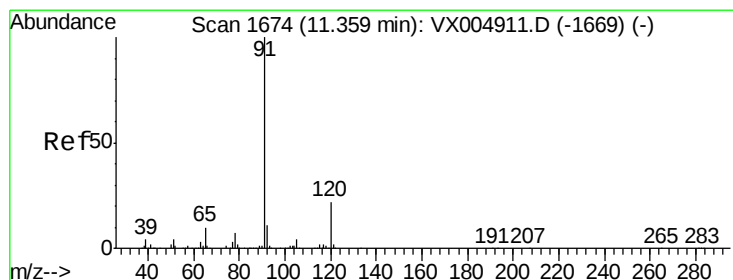
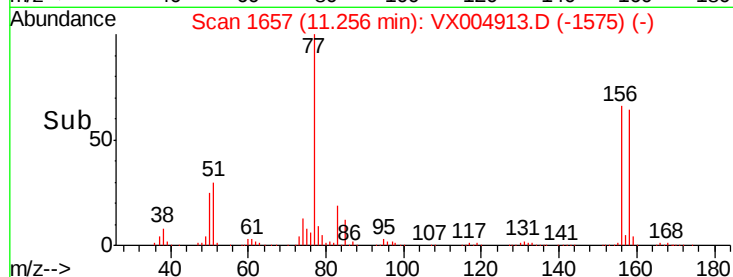
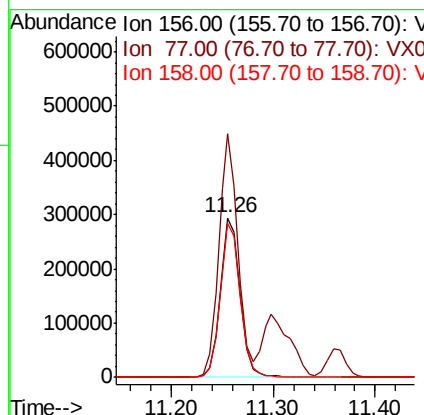
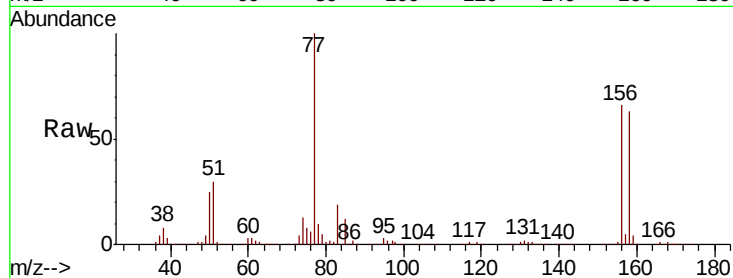
#73
Bromobenzene
Concen: 101.448 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	147.0	0.0	292.4		
158	97.1	0.0	194.2		

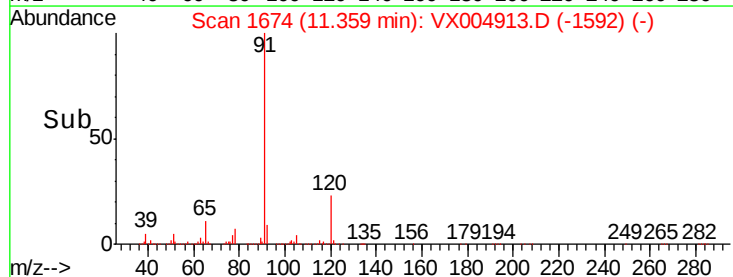
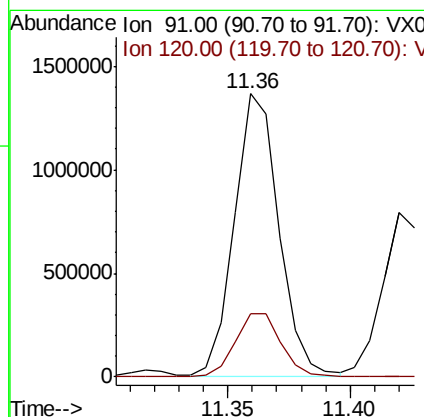
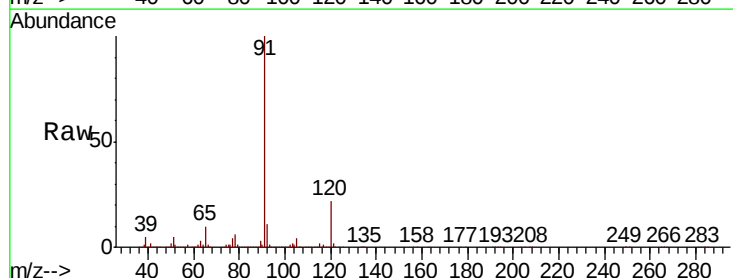
Manual Integrations
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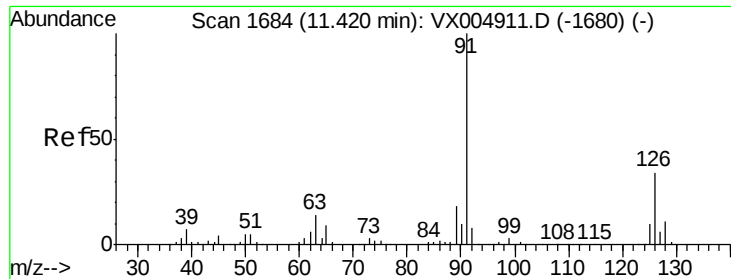
MMDadoda
10/3/2018 4:23:25 PM



#74
n-propylbenzene
Concen: 102.712 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.3	0.0	45.4		





#75

2-Chlorotoluene

Concen: 101.299 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1044040

Ion Ratio Lower Upper

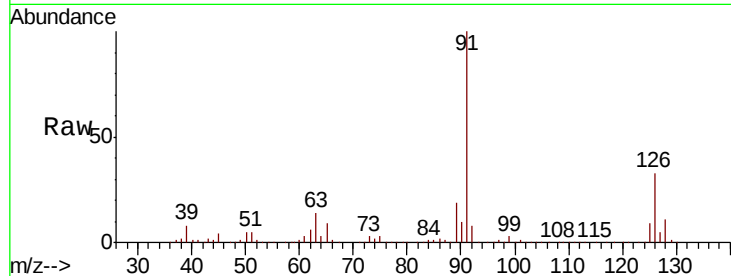
91 100

126 33.9 0.0 68.2

Manual Integrations
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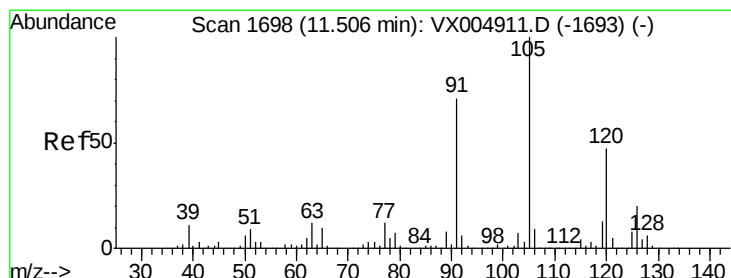
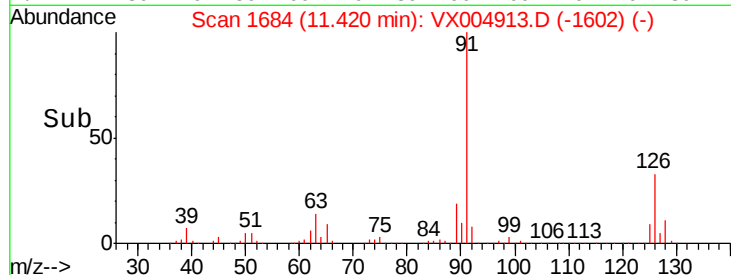
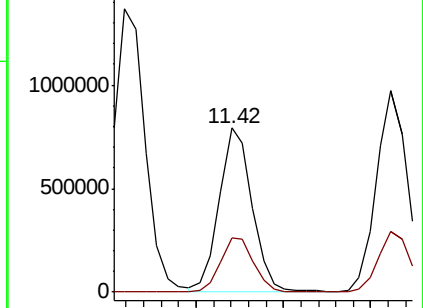
MMDadoda

10/3/2018 4:23:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004911.D (-1680) (-)

Ion 126.00 (125.70 to 126.70): VX004911.D (-1680) (-)



#76

1,3,5-Trimethylbenzene

Concen: 102.874 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004913.D

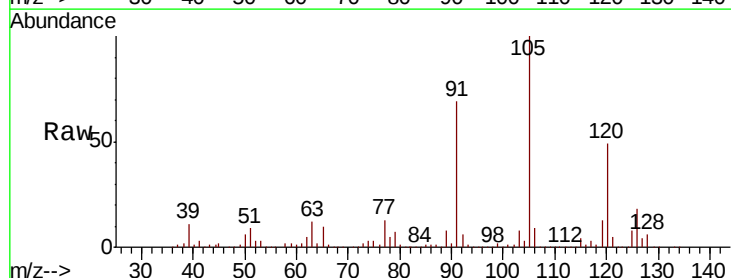
Acq: 02 Oct 2018 11:25

Tgt Ion: 105 Resp: 1274858

Ion Ratio Lower Upper

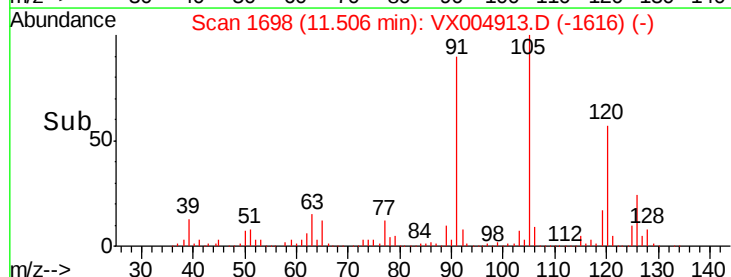
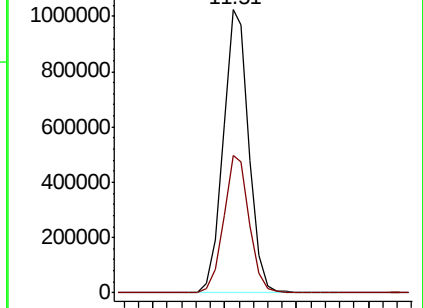
105 100

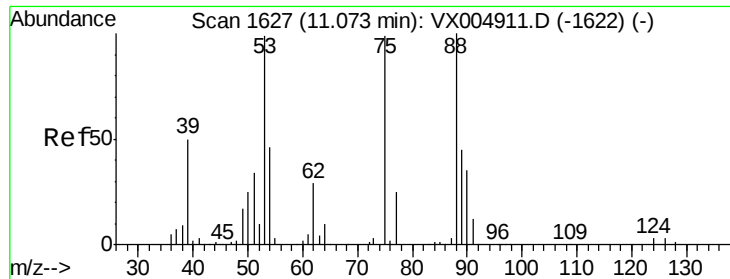
120 48.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX004911.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX004911.D (-1693) (-)





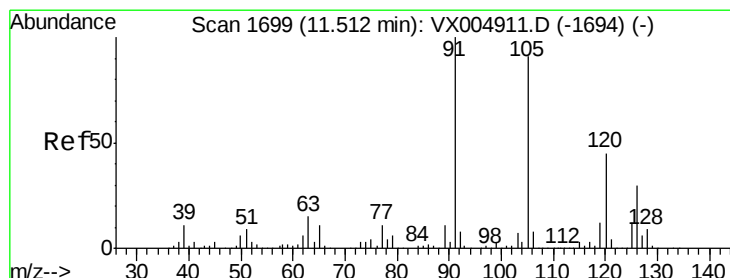
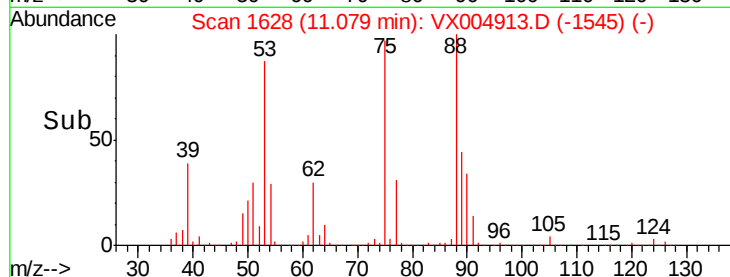
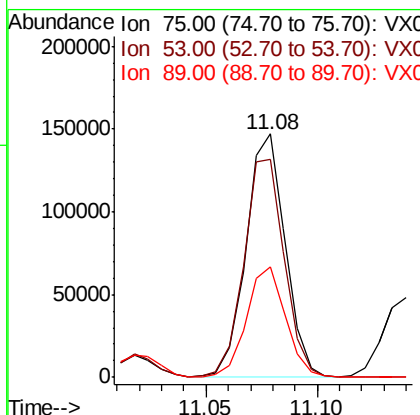
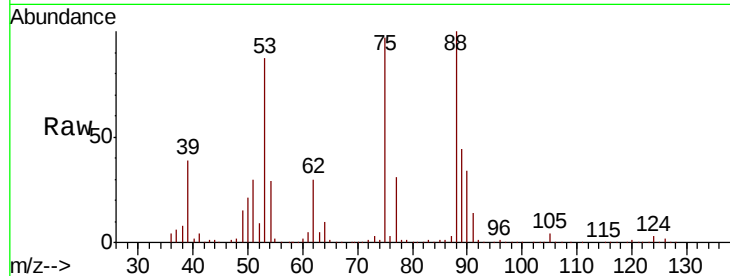
#77
t-1,4-Dichloro-2-butene
Concen: 112.915 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	50.3	150.9
89	45.2	22.6	67.8

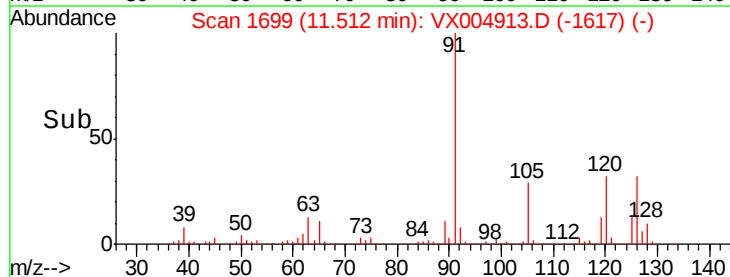
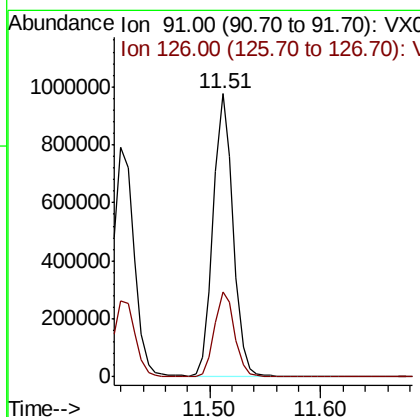
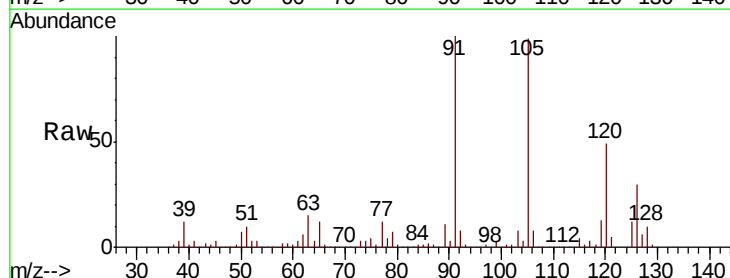
Manual Integrations
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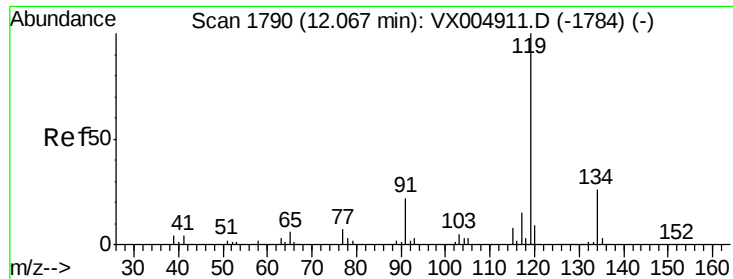
MMDadoda
10/3/2018 4:23:25 PM



#78
4-Chlorotoluene
Concen: 101.471 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.0





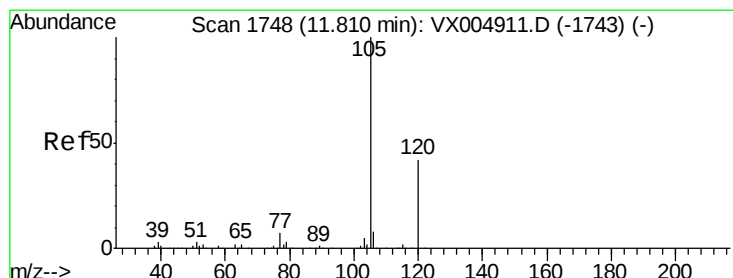
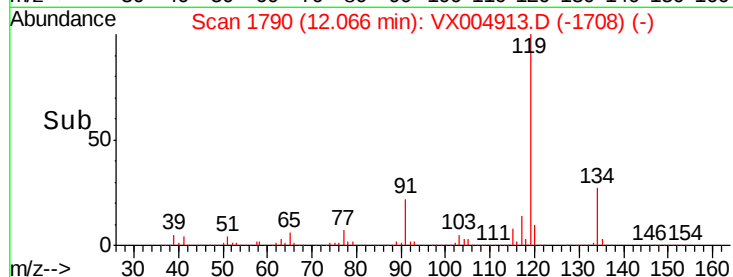
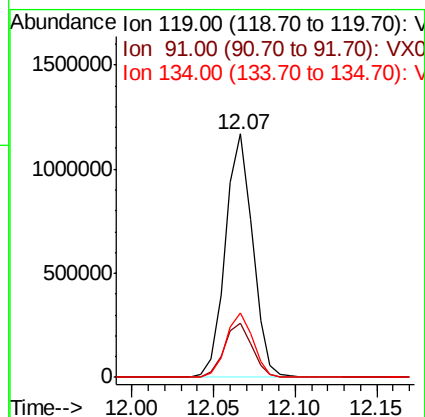
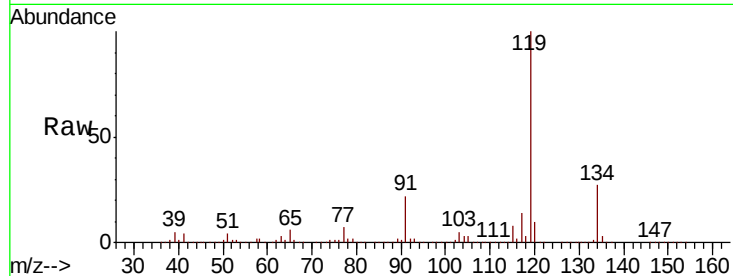
#79
tert-butylbenzene
Concen: 103.290 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	22.9	0.0	45.8
134	26.4	0.0	52.8

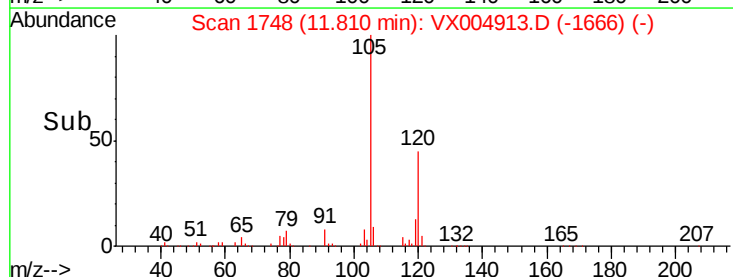
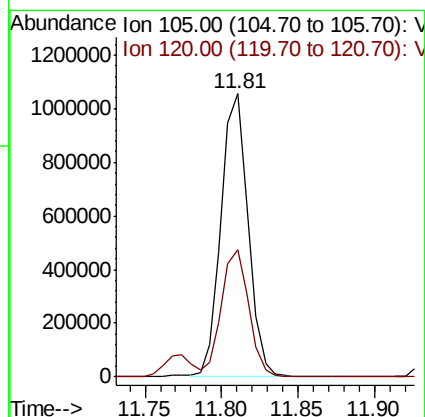
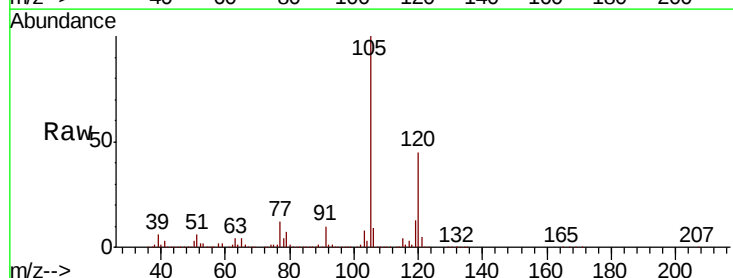
Manual Integrations
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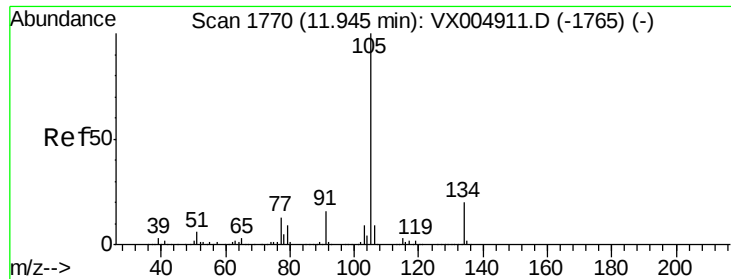
MMDadoda
10/3/2018 4:23:25 PM



#80
1,2,4-Trimethylbenzene
Concen: 102.558 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	90.6





#81

sec-Butylbenzene

Concen: 102.838 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1504356

Ion Ratio Lower Upper

105 100

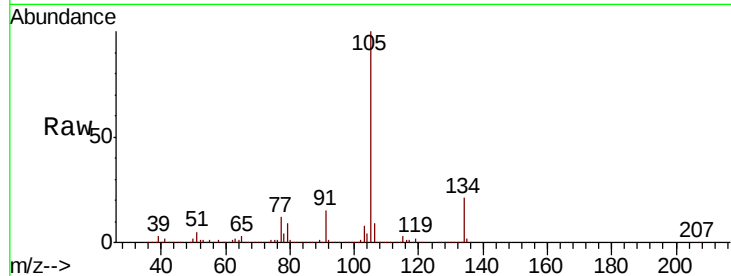
134 20.3 0.0 40.4

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

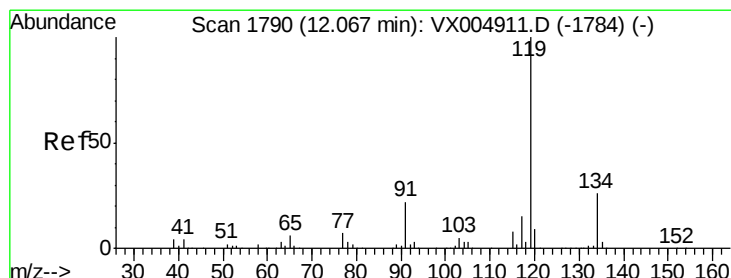
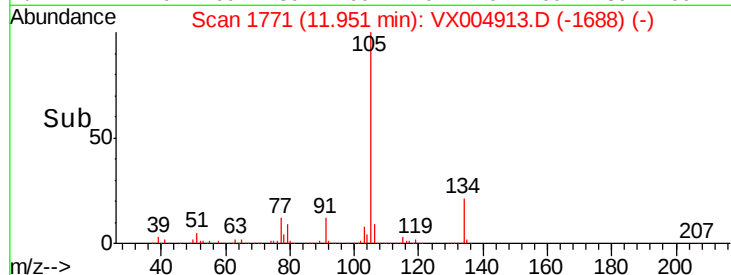
11.95

1000000

500000

0

Time-->



#82

p-Isopropyltoluene

Concen: 103.290 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

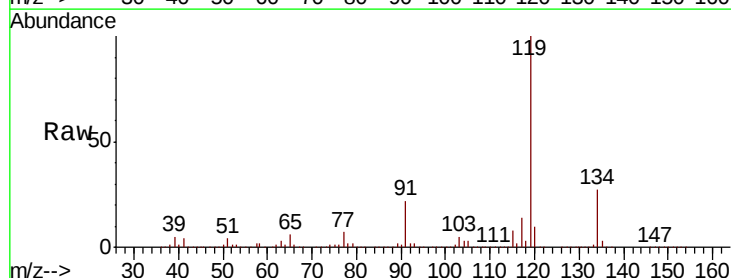
Tgt Ion:119 Resp: 1358448

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.8

91 22.9 0.0 45.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

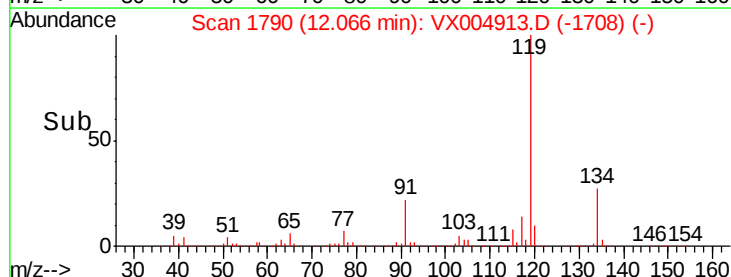
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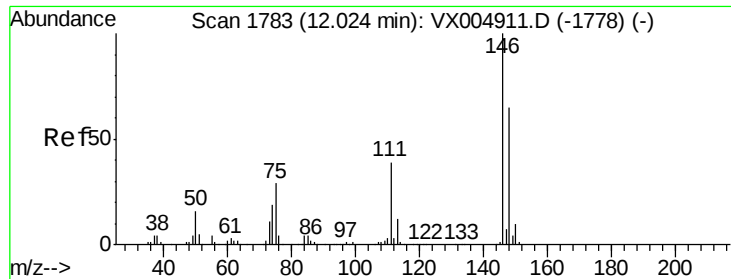
1000000

500000

0

Time-->





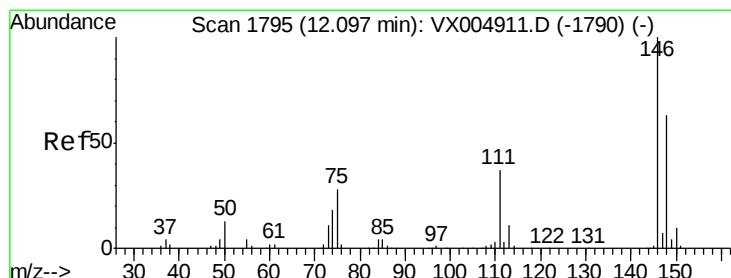
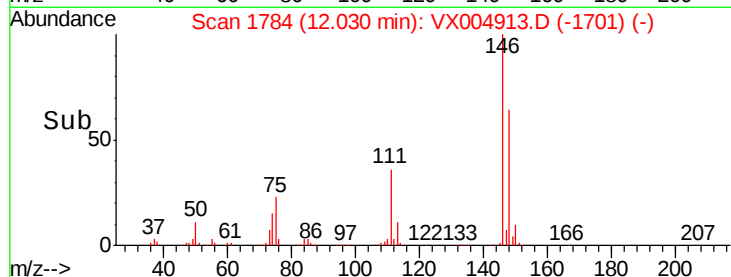
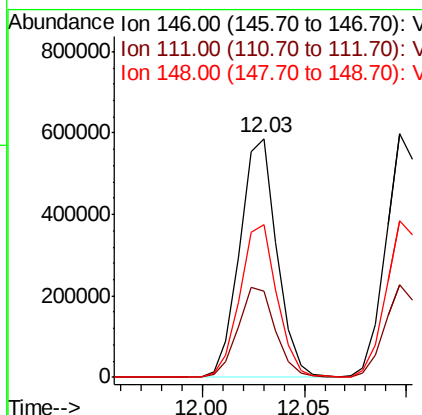
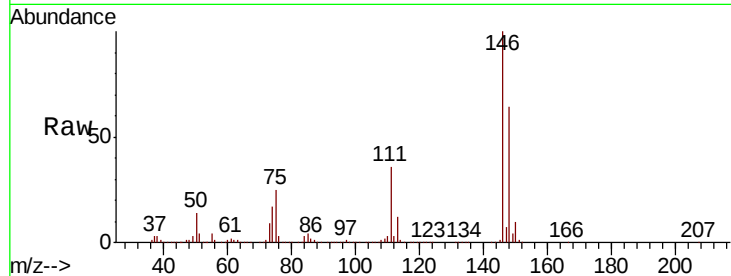
#83
 1,3-Dichlorobenzene
 Concen: 101.780 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	64.1	32.4	97.2

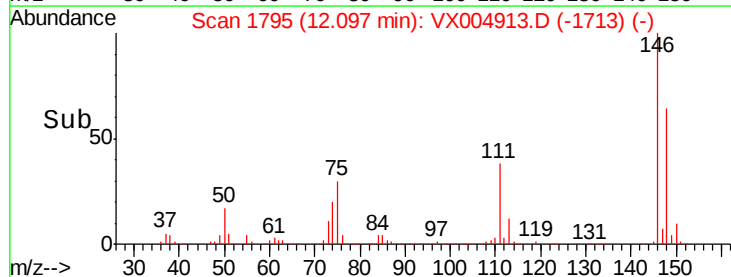
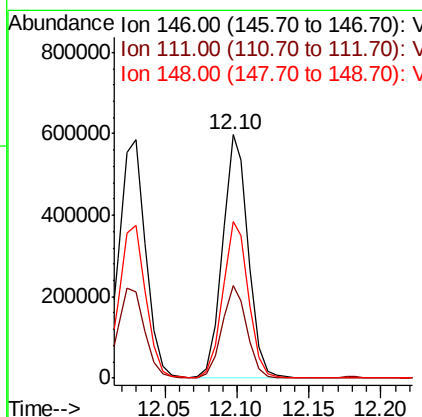
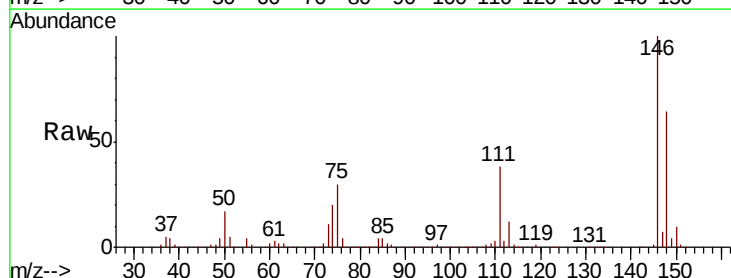
Manual Integrations
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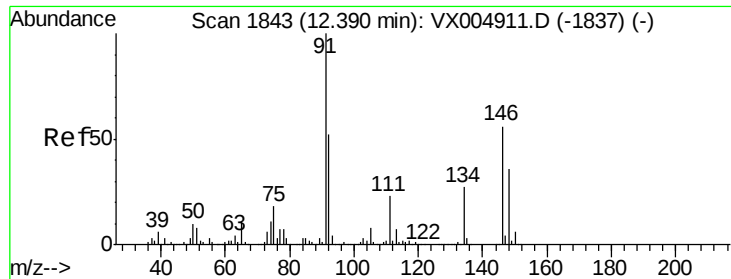
MMDadoda
 10/3/2018 4:23:25 PM



#84
 1,4-Dichlorobenzene
 Concen: 100.761 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.5	31.9	95.7





#85

n-Butylbenzene

Concen: 105.456 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004913.D

Acq: 02 Oct 2018 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1259707

Ion Ratio Lower Upper

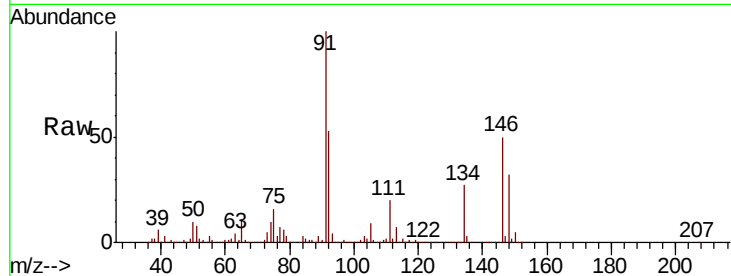
91 100

92 52.7 0.0 103.6

134 26.5 0.0 52.2

Manual Integrations
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MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VX004913.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX004913.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX004913.D (-1837) (-)

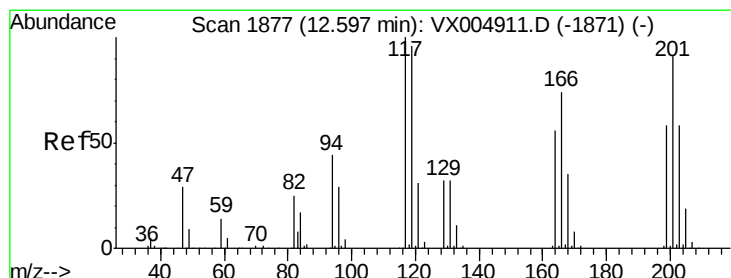
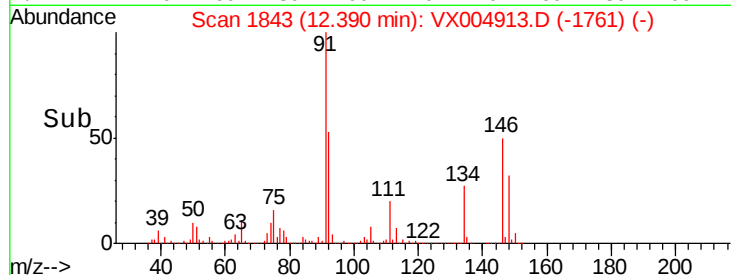
12.39

1000000

500000

0

Time-->



#86

Hexachloroethane

Concen: 105.049 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX004913.D

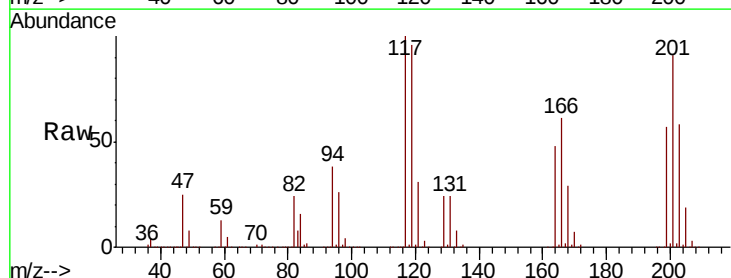
Acq: 02 Oct 2018 11:25

Tgt Ion: 117 Resp: 227574

Ion Ratio Lower Upper

117 100

201 95.4 47.1 141.4



Abundance Ion 117.00 (116.70 to 117.70): VX004913.D (-1844) (-)

Ion 201.00 (200.70 to 201.70): VX004913.D (-1844) (-)

12.60

200000

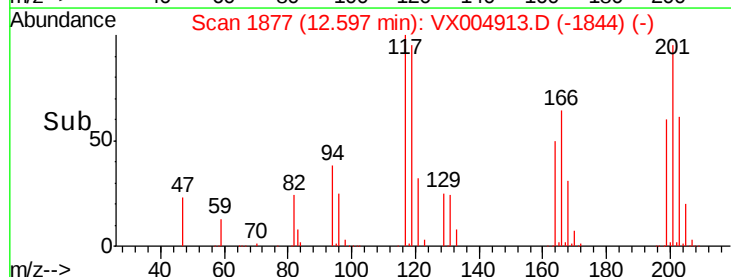
150000

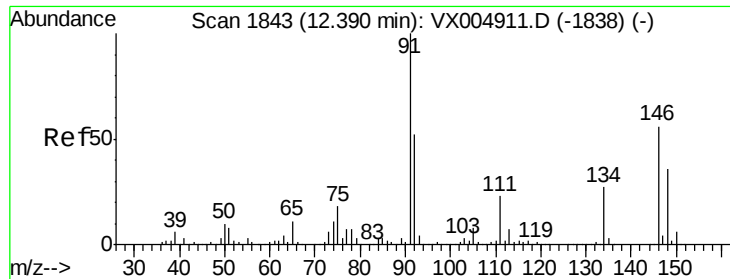
100000

50000

0

Time-->





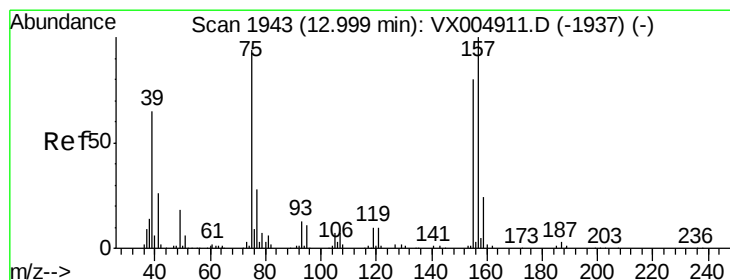
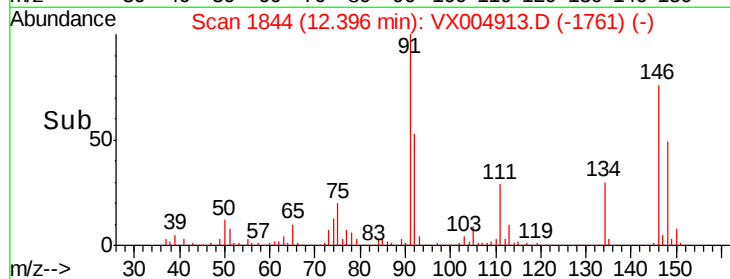
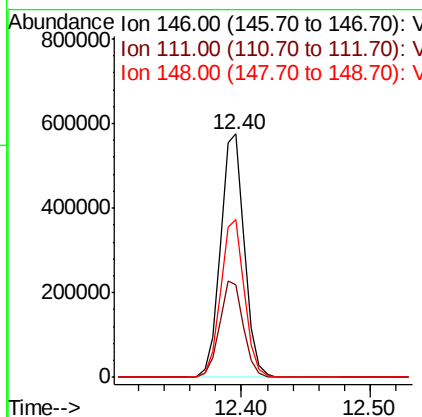
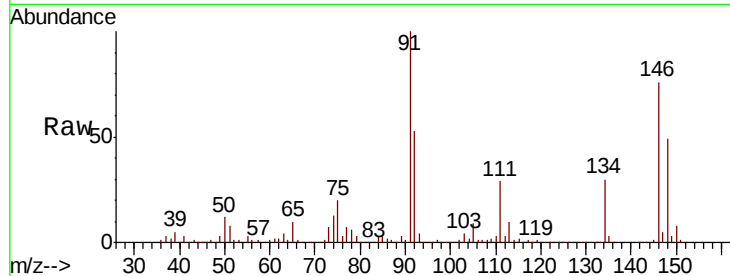
#87
 1,2-Dichlorobenzene
 Concen: 101.152 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	750691		
111	39.3	19.6	58.7	
148	64.3	31.9	95.9	

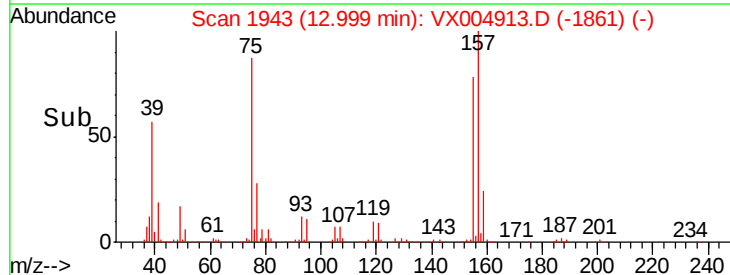
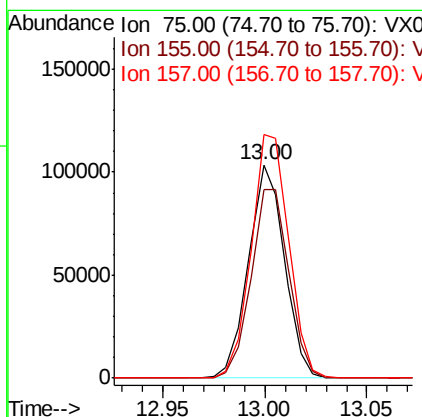
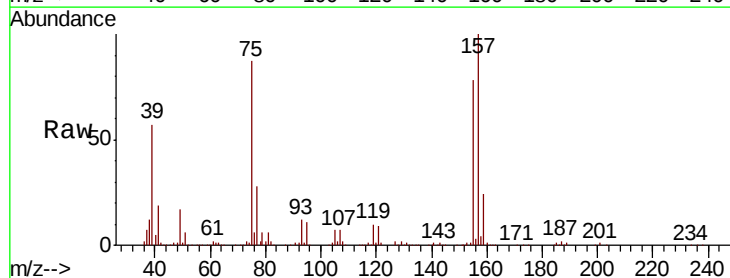
Manual Integrations
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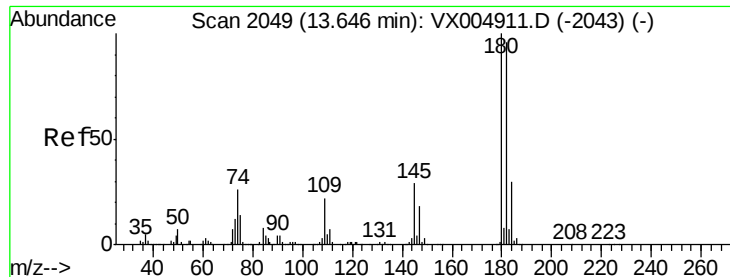
MMDadoda
 10/3/2018 4:23:25 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 103.423 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127494		
155	93.0	71.6	107.4	
157	119.0	91.3	136.9	





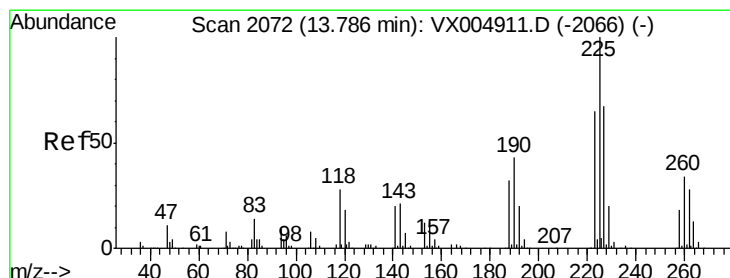
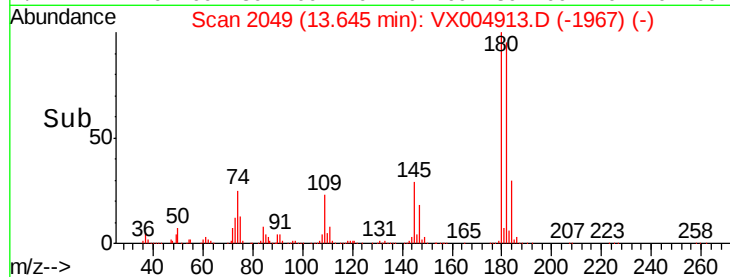
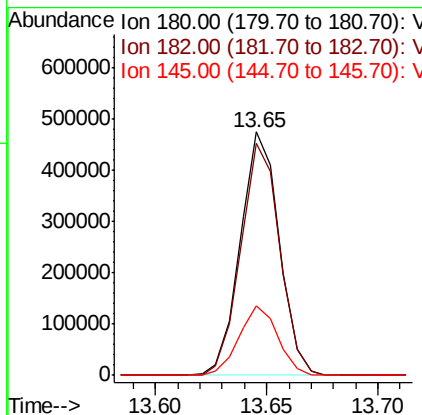
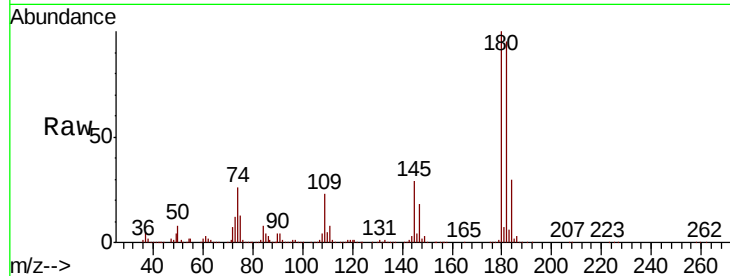
#89
 1,2,4-Trichlorobenzene
 Concen: 104.360 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	577756		
182	95.7	76.8	115.2	
145	28.4	22.6	33.8	

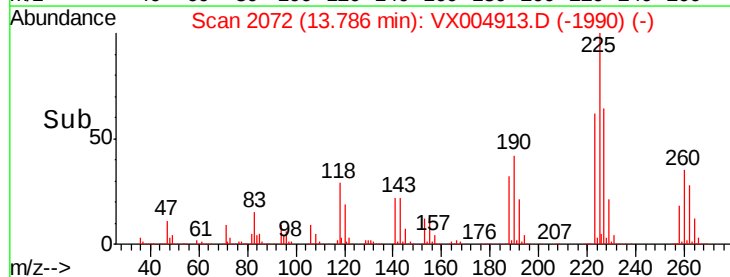
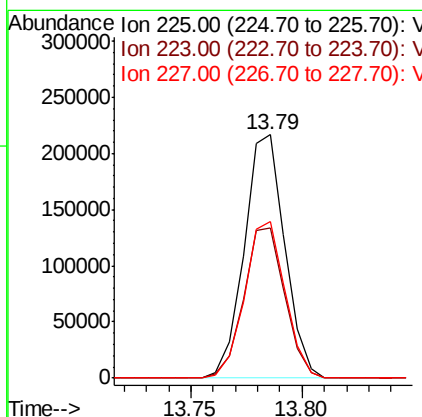
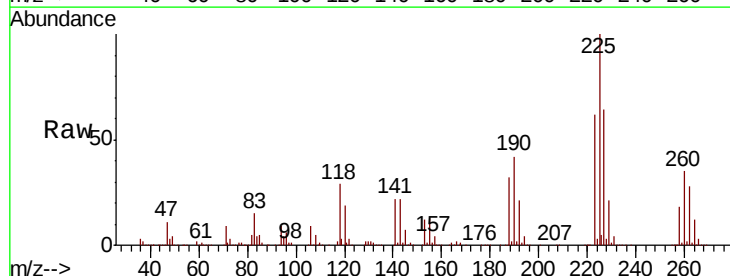
Manual Integrations
 APPROVED

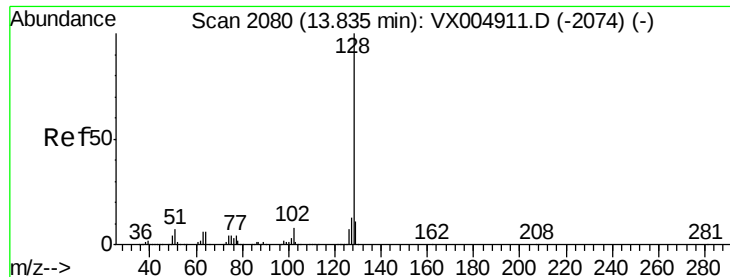
MMDadoda
 10/3/2018 4:23:25 PM



#90
 Hexachlorobutadiene
 Concen: 100.680 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004913.D
 Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	275171		
223	62.6	0.0	126.6	
227	64.1	0.0	129.6	





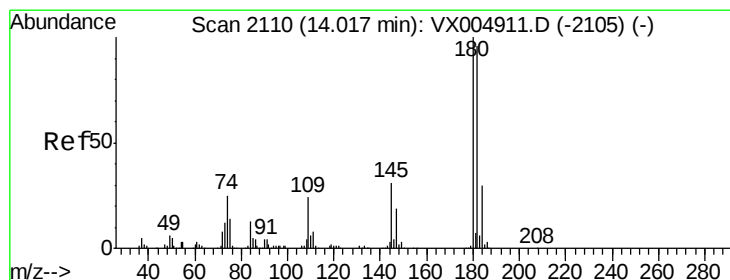
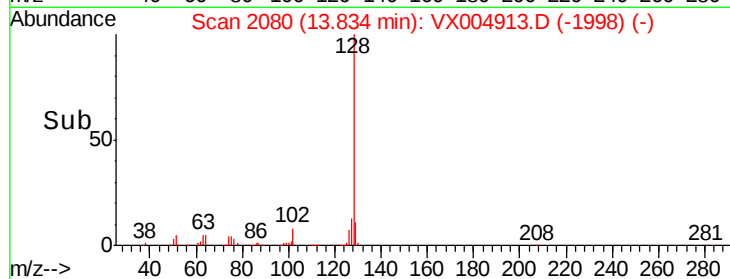
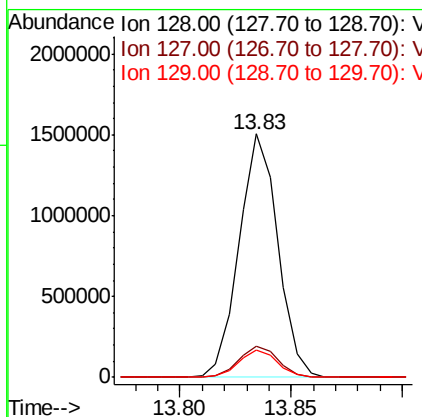
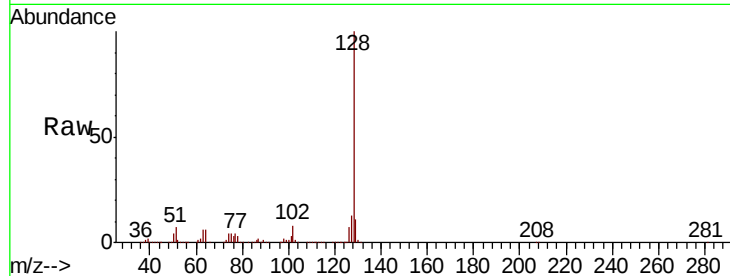
#91
Naphthalene
Concen: 106.154 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:25 PM



#92
1,2,3-Trichlorobenzene
Concen: 102.382 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX004913.D
Acq: 02 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	192.2
145	29.9	0.0	60.4

