

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007923.D
 Acq On : 08 Mar 2019 11:13
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:57 AM

Quant Time: Mar 08 12:34:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:10:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	43220	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	239743	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	207932	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	85330	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	11.13	95	99625	30.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.40%
63) Toluene-d8	8.71	98	287325	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	250266	95.571	ug/l 100
3) Chloromethane	1.33	50	268738	89.535	ug/l 97
4) Vinyl Chloride	1.41	62	270876	93.080	ug/l 99
5) Bromomethane	1.64	94	124867	82.724	ug/l 98
6) Chloroethane	1.71	64	154871	88.743	ug/l 95
7) Trichlorofluoromethane	1.93	101	332135	90.536	ug/l 97
8) Diethyl Ether	2.19	74	184493	102.322	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	263475	98.613	ug/l 98
10) 1,1-Dichloroethene	2.37	96	253755	101.557	ug/l 93
11) Methyl Iodide	2.51	142	411151	107.785	ug/l 93
12) Methyl Acetate	2.78	43	376598	91.362	ug/l 96
13) Acrolein	2.30	56	224872	477.508	ug/l 98
14) Acrylonitrile	3.15	53	833606	488.364	ug/l 100
15) Acetone	2.45	58	277178	421.141	ug/l 96
16) Carbon Disulfide	2.57	76	798177	102.135	ug/l 99
17) Allyl chloride	2.73	41	522554	102.256	ug/l 87
18) Methylene Chloride	2.86	84	277241	94.500	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	265062	99.536	ug/l 96
20) Diisopropyl ether	3.87	45	936524	98.806	ug/l 92
21) 1,1-Dichloroethane	3.70	63	512194	99.474	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	309509	101.320	ug/l 92
23) tert-Butyl Alcohol	3.08	59	337289m	488.852	ug/l
24) Methyl tert-Butyl Ether	3.21	73	866111	100.299	ug/l 95
25) Chloroform	5.22	83	480667	98.791	ug/l 97
26) Cyclohexane	5.57	56	482051	102.918	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	380702	99.395	ug/l 96
30) 2-Butanone	4.70	43	1214805	450.580	ug/l 98
31) 2,2-Dichloropropane	4.59	77	361925	104.505	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	415459	101.150	ug/l 99
33) Carbon Tetrachloride	5.78	117	372539	103.033	ug/l 97
34) Benzene	6.14	78	1147275	96.607	ug/l 97
35) Methacrylonitrile	5.06	41	242569	94.790	ug/l 96
36) 1,2-Dichloroethane	6.20	62	366257	93.677	ug/l 99
37) Trichloroethene	7.21	130	311849	97.348	ug/l 94
38) Methylcyclohexane	7.46	83	489722	101.403	ug/l 96
39) 1,2-Dichloropropane	7.52	63	299362	96.994	ug/l 98
40) Dibromomethane	7.66	93	189809	96.889	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	370789	102.248	ug/l	99
42) Vinyl Acetate	3.83	43	4163966	496.468	ug/l	97
43) Ethyl Acetate	4.85	43	434881	94.766	ug/l #	82
44) Isopropyl Acetate	6.46	43	687105	100.746	ug/l	98
45) 1,4-Dioxane	7.75	88	137750	1879.008	ug/l	93
46) Methyl methacrylate	7.77	41	357844	98.771	ug/l	91
47) n-amyl Acetate	10.90	43	580199	98.399	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	424026	112.893	ug/l	97
49) cis-1,3-Dichloropropene	8.44	75	467014	107.377	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	282414	92.817	ug/l	96
51) Ethyl methacrylate	9.18	69	446318	99.638	ug/l	95
52) 1,3-Dichloropropane	9.37	76	473866	95.114	ug/l	99
53) Dibromochloromethane	9.59	129	311461	104.400	ug/l	100
54) 1,2-Dibromoethane	9.67	107	301638	96.312	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1038544	495.540	ug/l	98
56) Bromoform	10.86	173	247371	104.919	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	2107380	481.340	ug/l	99
59) 2-Hexanone	9.49	43	1628440	465.561	ug/l	99
61) Tetrachloroethene	9.34	164	294105	93.836	ug/l	97
62) Toluene	8.79	91	1217543	99.452	ug/l	100
64) Chlorobenzene	10.14	112	769704	98.060	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	285555	104.214	ug/l	99
66) Ethyl Benzene	10.25	91	1321902	101.226	ug/l	98
67) m/p-Xylenes	10.36	106	1011585	201.580	ug/l	98
68) o-Xylene	10.70	106	486992	99.729	ug/l	98
69) Styrene	10.71	104	808490	101.004	ug/l	99
70) Isopropylbenzene	11.02	105	1296955	98.943	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	415102	94.642	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	396786m	95.885	ug/l	
73) Bromobenzene	11.26	156	341513	97.802	ug/l	95
74) n-propylbenzene	11.36	91	1459504	98.905	ug/l	99
75) 2-Chlorotoluene	11.42	91	858944	96.046	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	1069267	98.568	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	138746	121.649	ug/l	84
78) 4-Chlorotoluene	11.51	91	994455	99.857	ug/l	96
79) tert-butylbenzene	12.06	119	1162420	100.616	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	1087726	98.956	ug/l	98
81) sec-Butylbenzene	11.94	105	1292337	99.457	ug/l	99
82) p-Isopropyltoluene	12.06	119	1162420	100.616	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	610866	98.941	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	608799	98.466	ug/l	98
85) n-Butylbenzene	12.39	91	1017494	105.379	ug/l	99
86) Hexachloroethane	12.60	117	197005	108.752	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	596932	97.222	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	90370	106.393	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	446425	104.576	ug/l	99
90) Hexachlorobutadiene	13.78	225	236605	97.408	ug/l	98
91) Naphthalene	13.83	128	1304827	107.568	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	441738	103.504	ug/l	99

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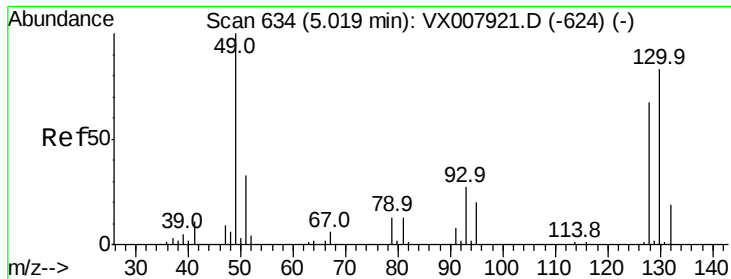
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

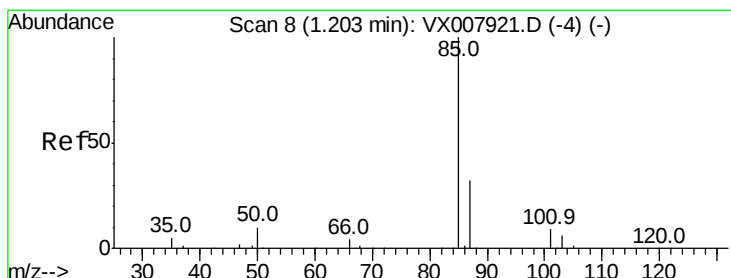
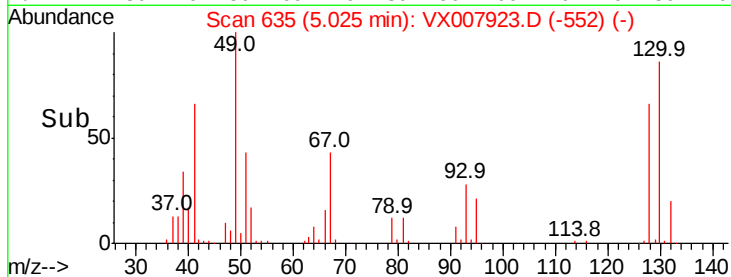
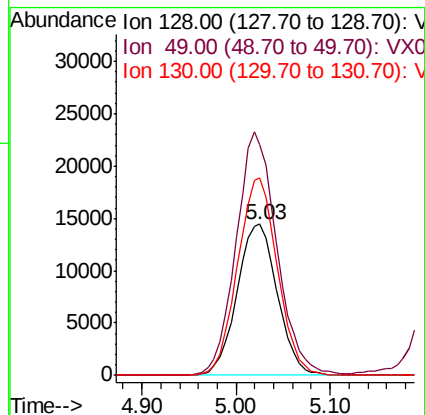
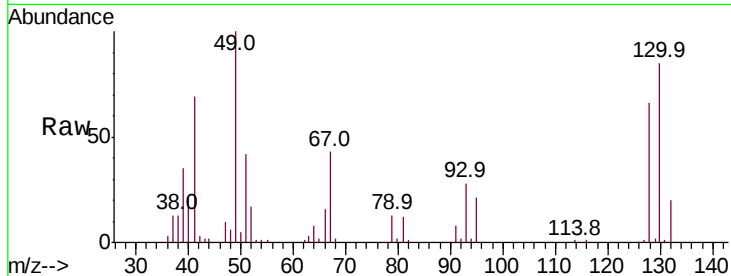
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	43220
Ion	Ratio	Lower	Upper
128	100		
49	162.9	0.0	350.8
130	129.2	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 95.571 ug/l

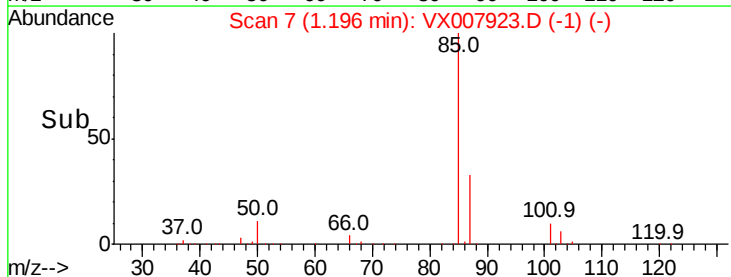
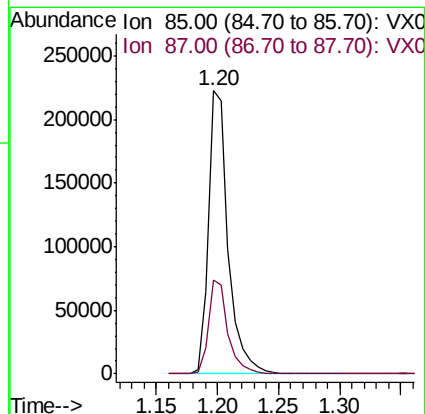
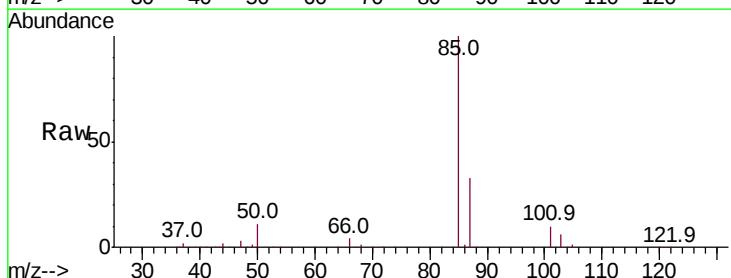
RT: 1.20 min Scan# 7

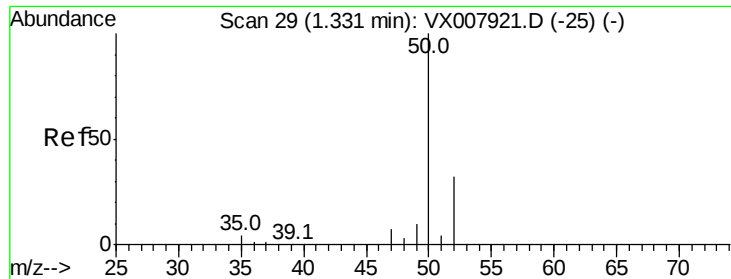
Delta R.T. -0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Tgt Ion:	85	Resp:	250266
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.8





#3

Chloromethane

Concen: 89.535 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 268738

Ion Ratio Lower Upper

50 100

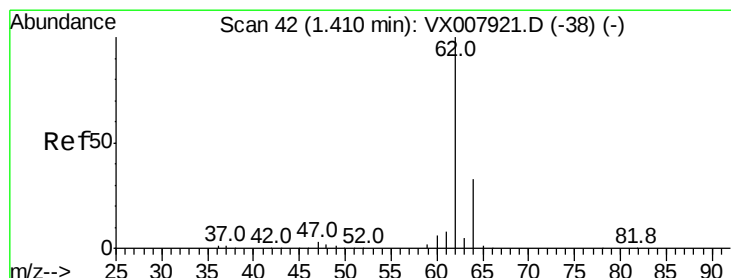
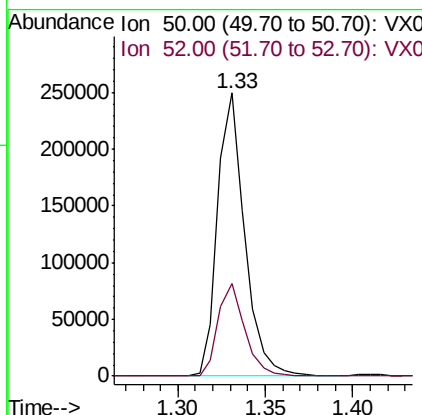
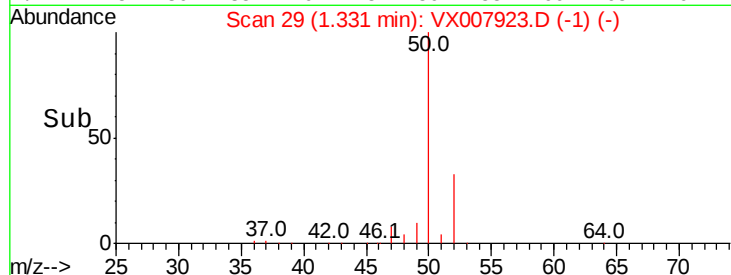
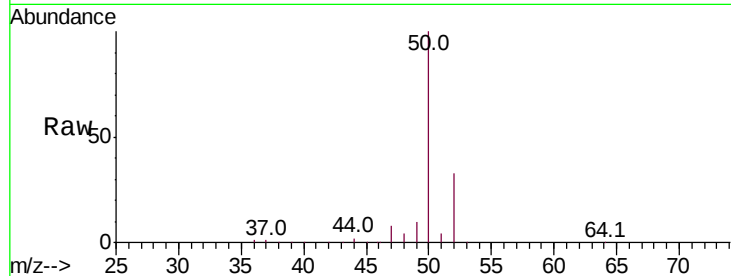
52 32.5 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 93.080 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007923.D

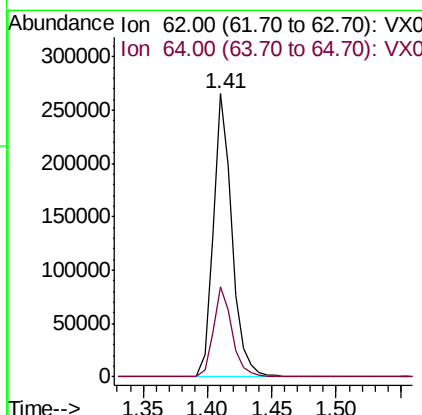
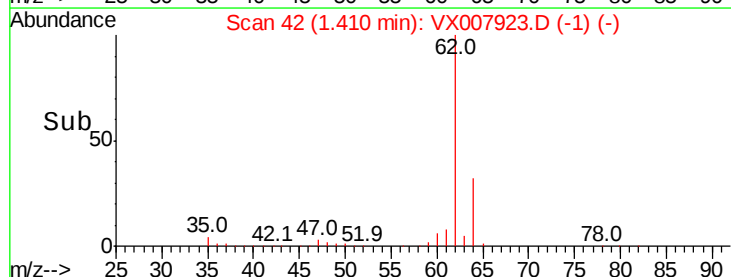
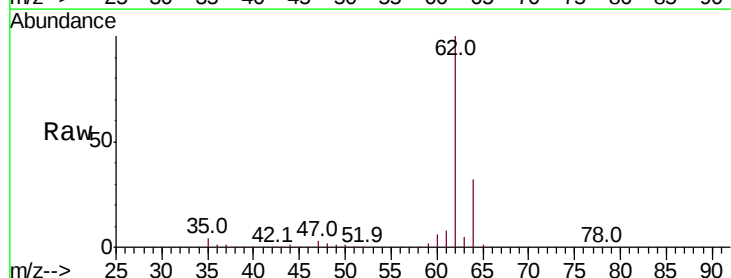
Acq: 08 Mar 2019 11:13

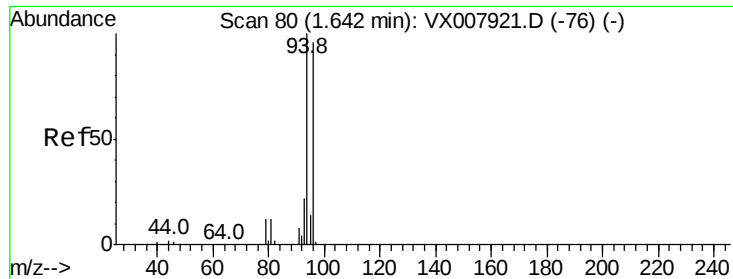
Tgt Ion: 62 Resp: 270876

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 82.724 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 124867

Ion Ratio Lower Upper

94 100

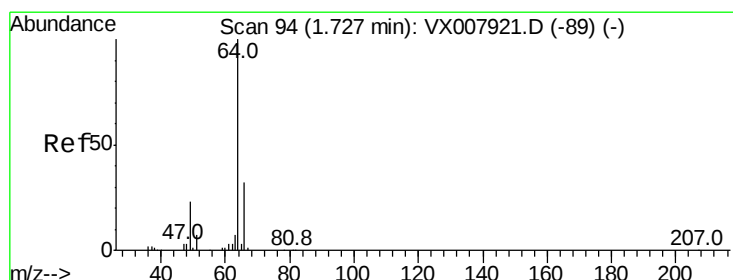
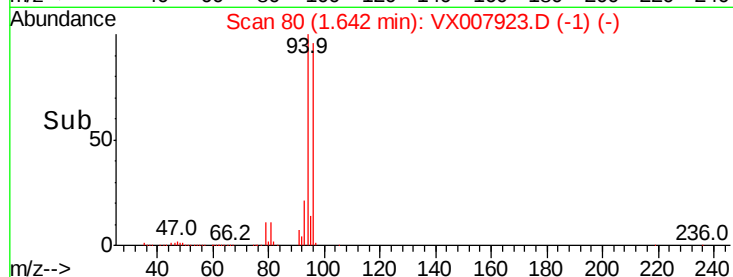
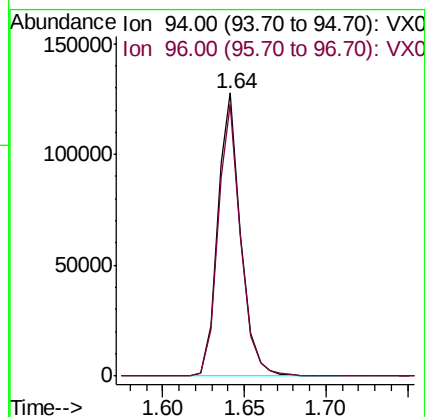
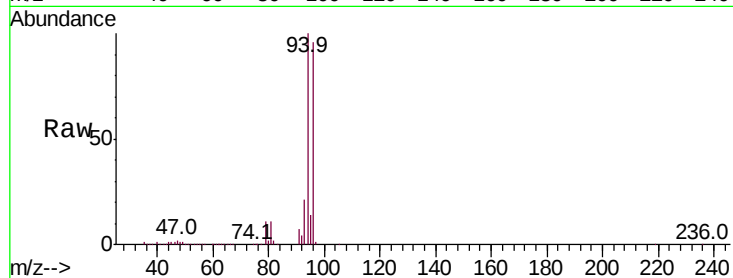
96 96.2 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 88.743 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007923.D

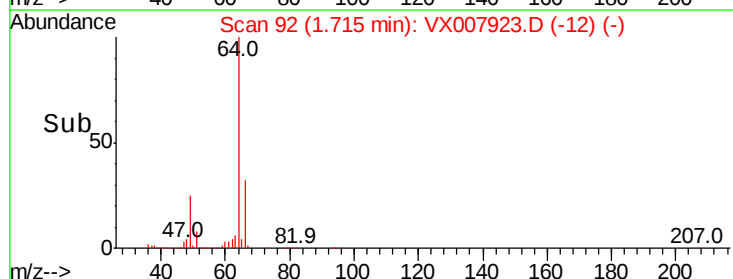
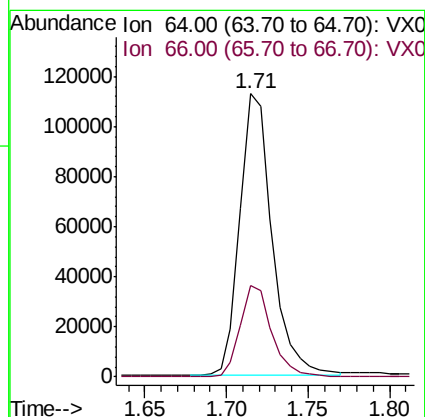
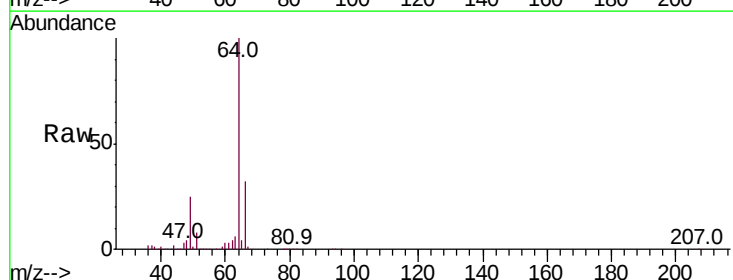
Acq: 08 Mar 2019 11:13

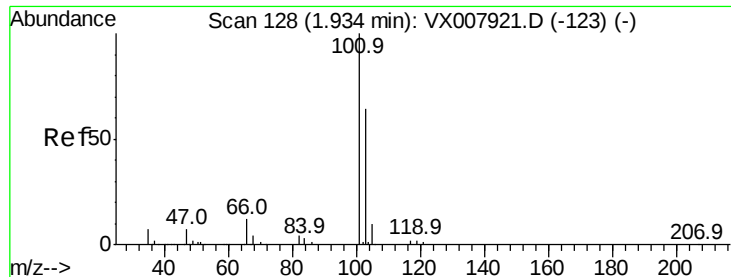
Tgt Ion: 64 Resp: 154871

Ion Ratio Lower Upper

64 100

66 32.4 23.9 35.9





#7

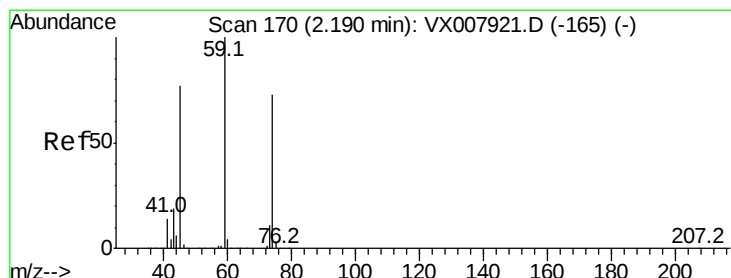
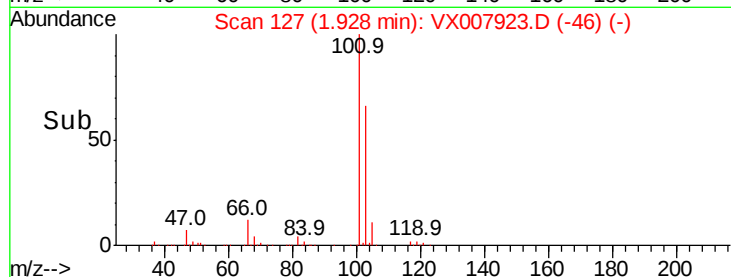
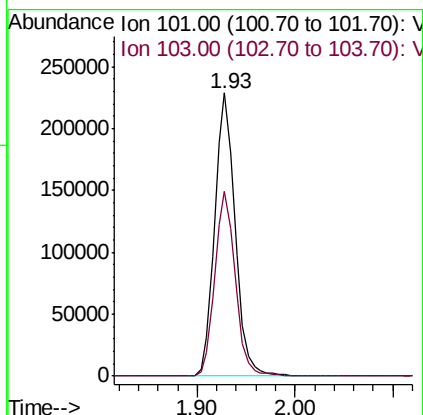
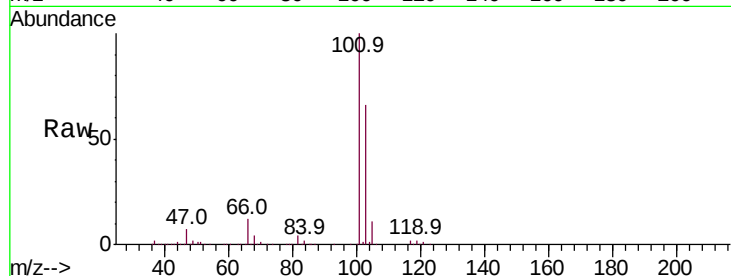
Trichlorofluoromethane
Concen: 90.536 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	332135		
103	65.5		50.4	75.6

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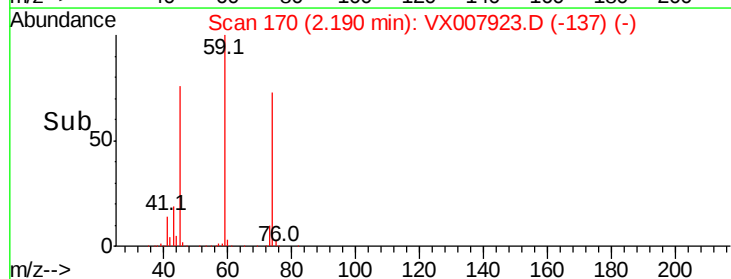
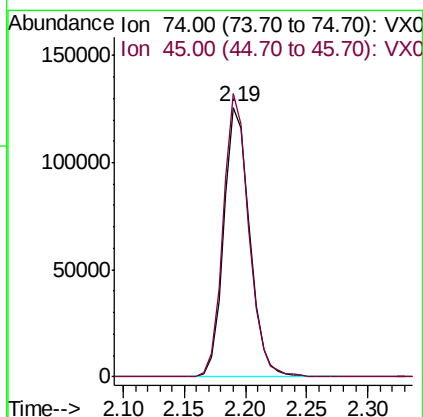
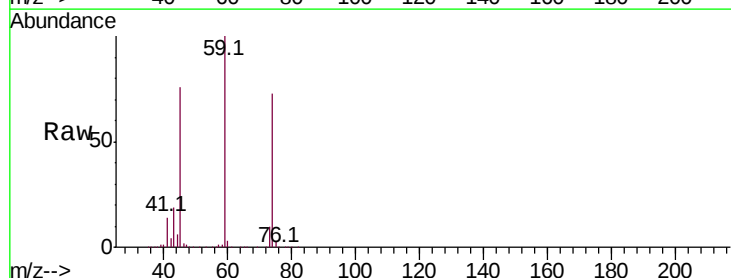
MMDadoda
3/11/2019 9:30:57 AM

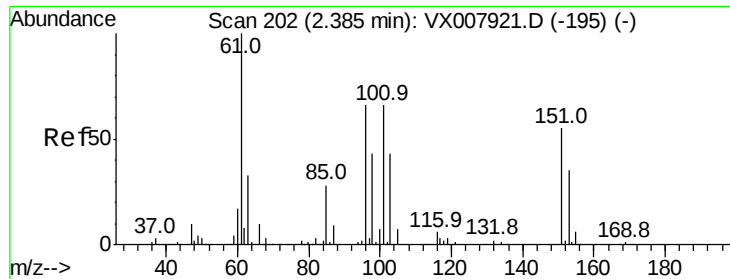


#8

Diethyl Ether
Concen: 102.322 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	184493		
45	103.6		18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.613 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

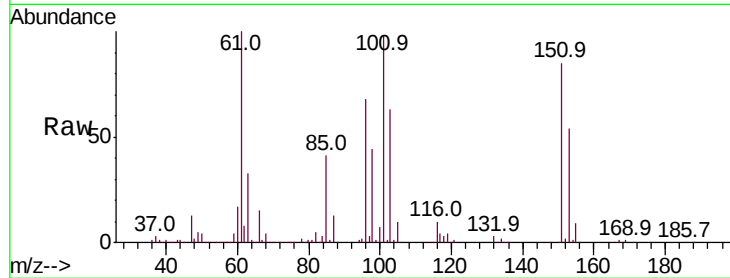
ClientSampleId :

VSTDIC100

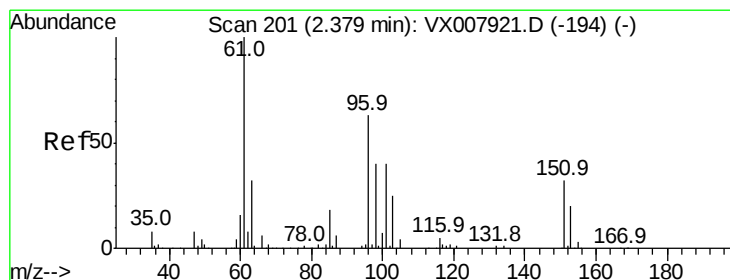
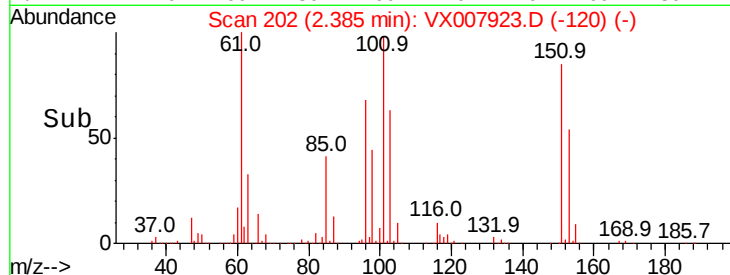
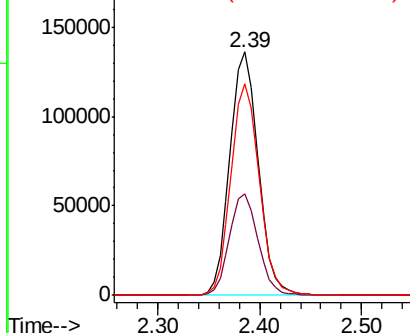
Tot Ion:	101	Resp:	263475
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	86.8
151	86.5	0.0	169.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VX0
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 101.557 ug/l

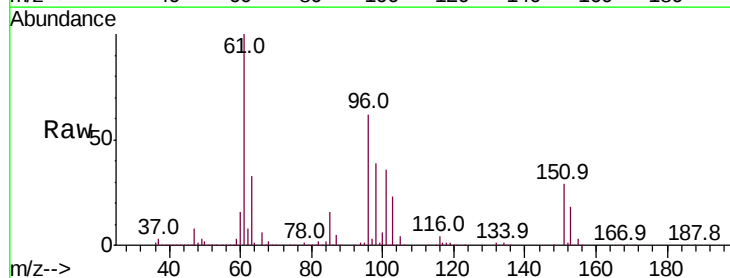
RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

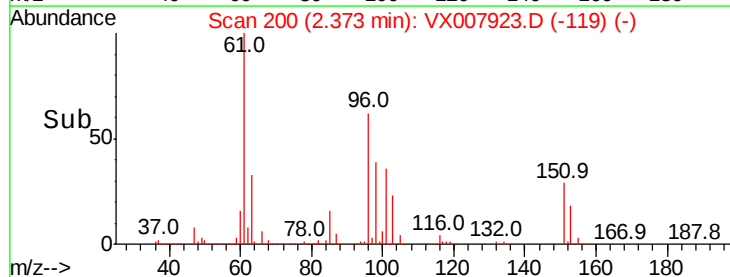
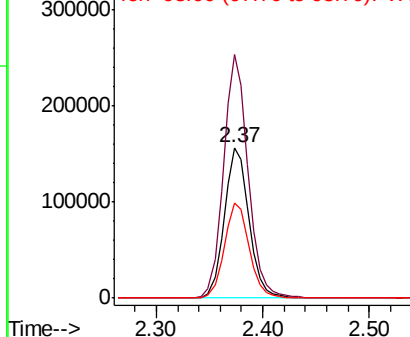
Lab File: VX007923.D

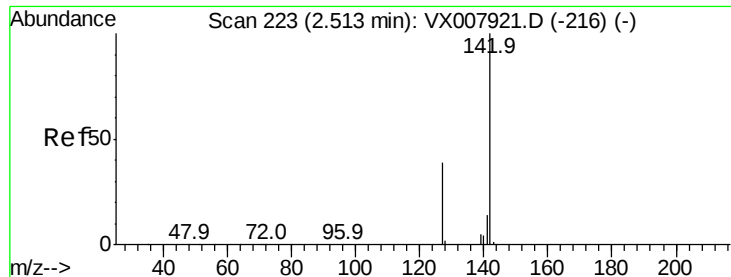
Acq: 08 Mar 2019 11:13

Tgt Ion:	96	Resp:	253755
Ion Ratio	Lower	Upper	
96	100		
61	162.1	120.2	180.2
98	63.4	49.0	73.4



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





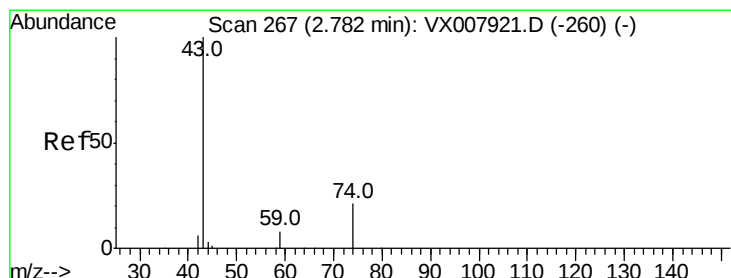
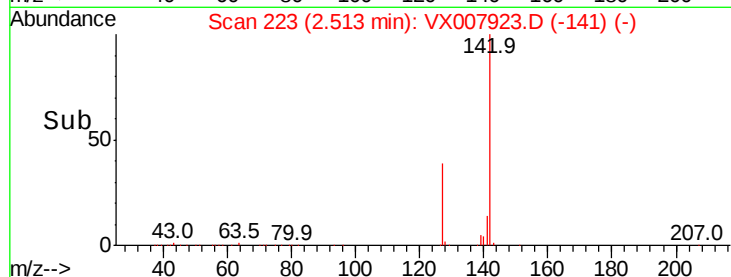
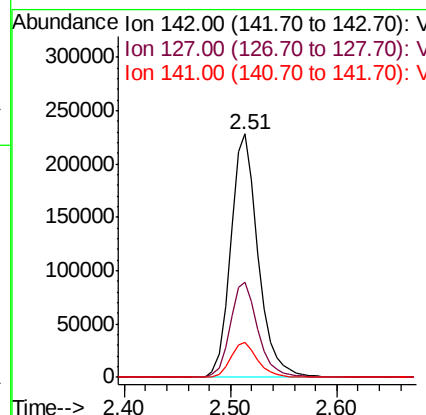
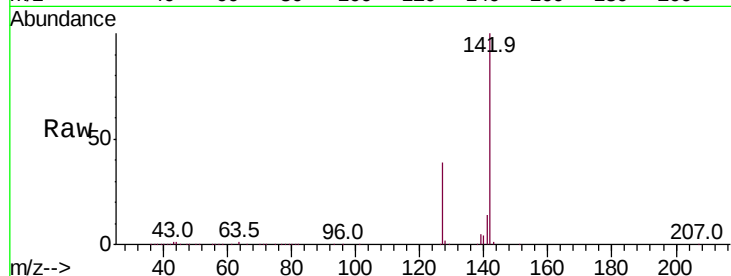
#11
Methvl Iodide
Concen: 107.785 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	22.1	66.5
141	14.2	7.4	22.3

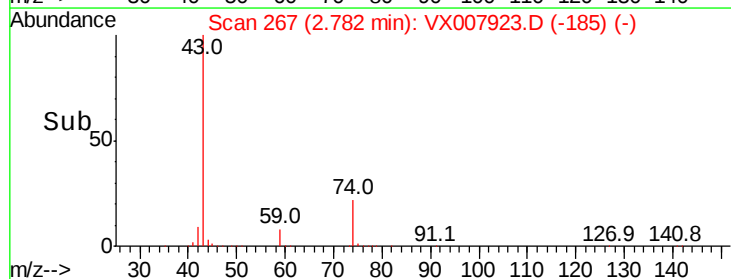
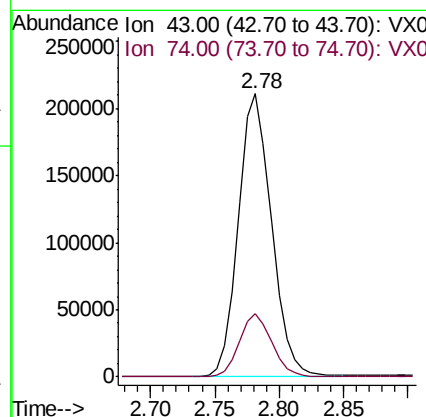
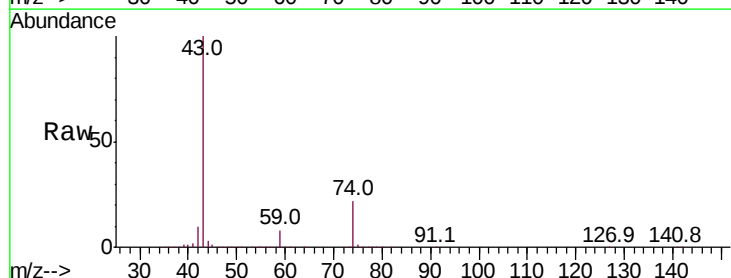
Manual Integrations
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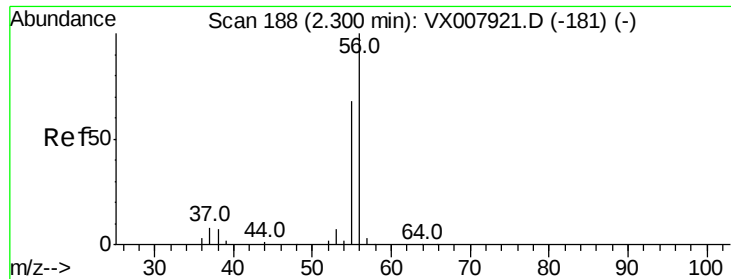
MMDadoda
3/11/2019 9:30:57 AM



#12
Methyl Acetate
Concen: 91.362 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.4	29.0





#13

Acrolein

Concen: 477.508 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 224872

Ion Ratio Lower Upper

56 100

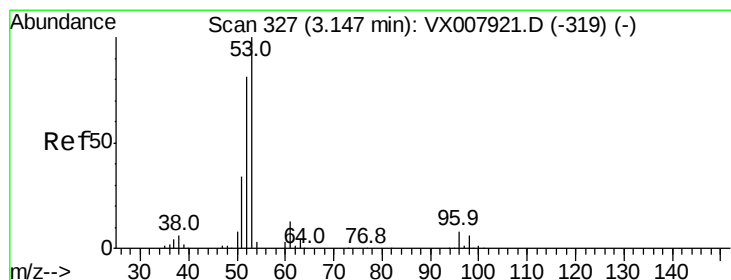
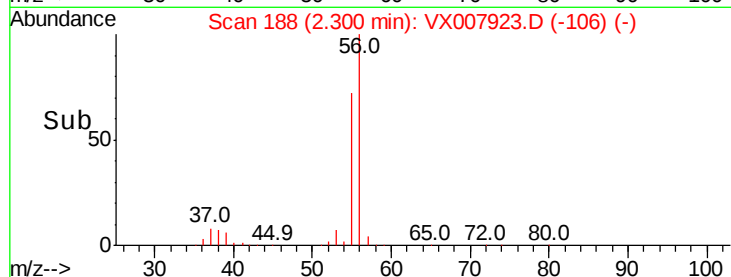
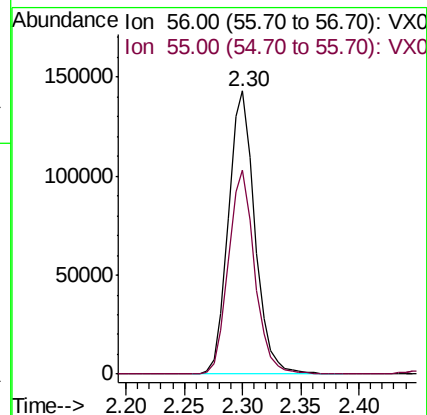
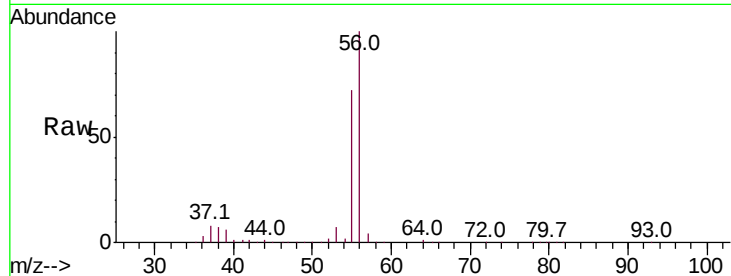
55 71.3 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 488.364 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

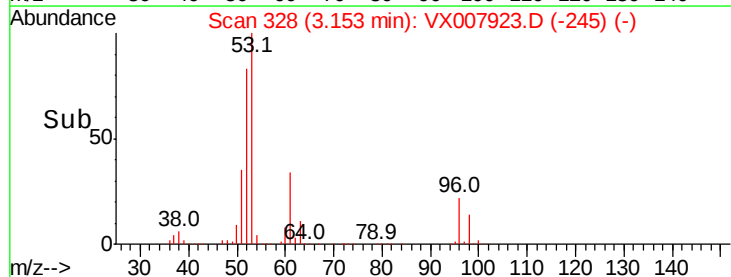
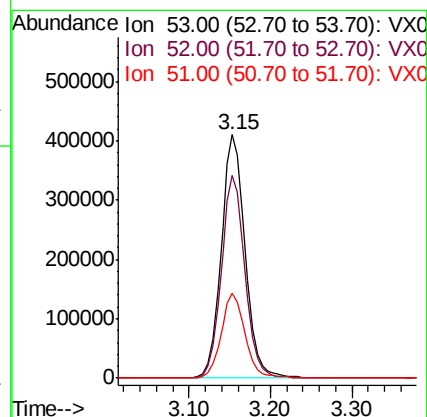
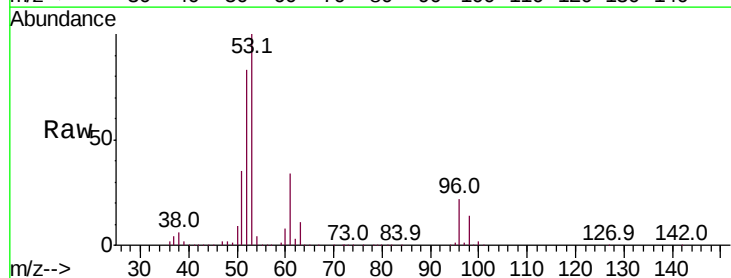
Tgt Ion: 53 Resp: 833606

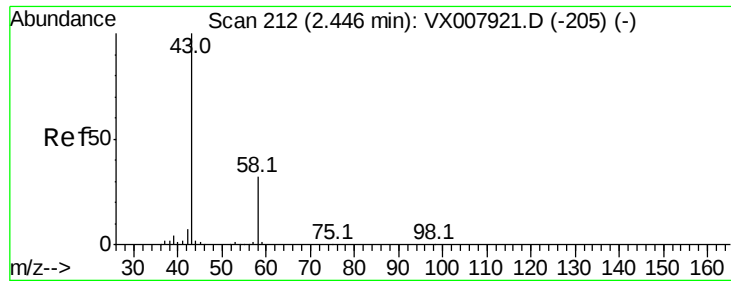
Ion Ratio Lower Upper

53 100

52 82.4 41.3 124.1

51 35.0 17.5 52.6





#15

Acetone

Concen: 421.141 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 58 Resp: 277178

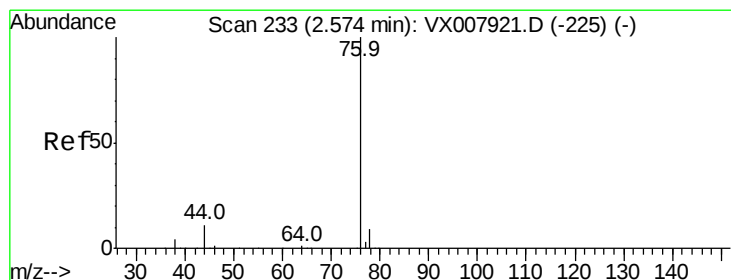
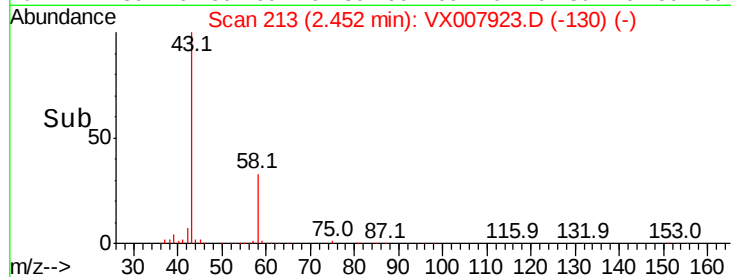
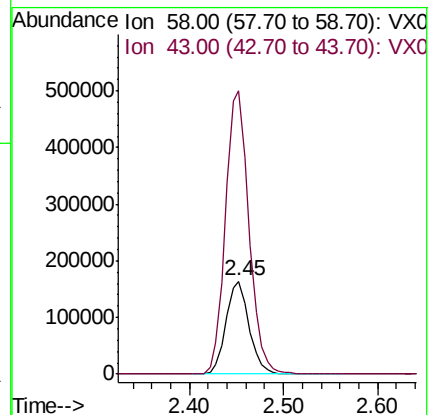
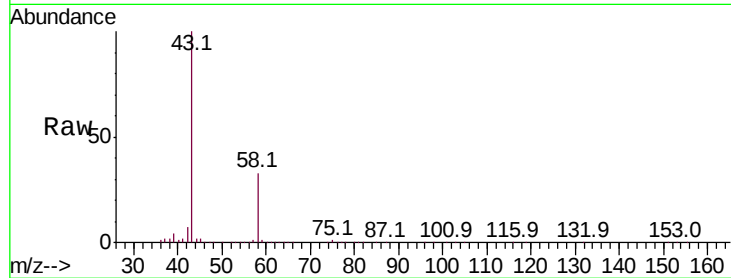
Ion Ratio Lower Upper

58 100

43 304.5 249.8 374.6

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#16

Carbon Disulfide

Concen: 102.135 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007923.D

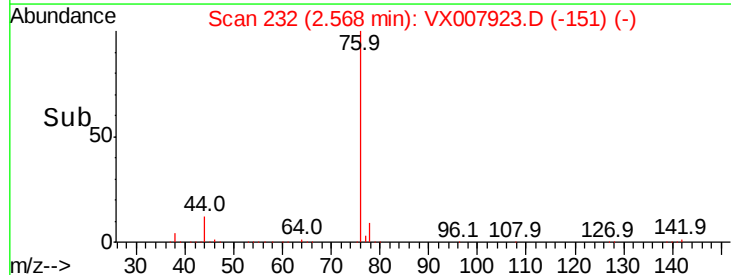
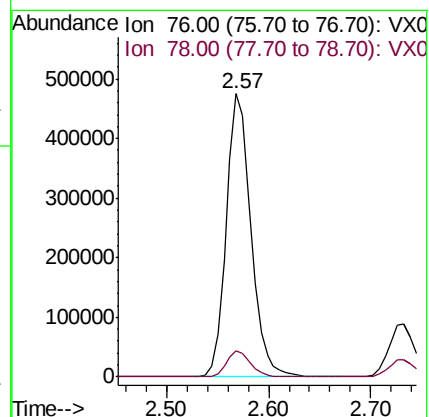
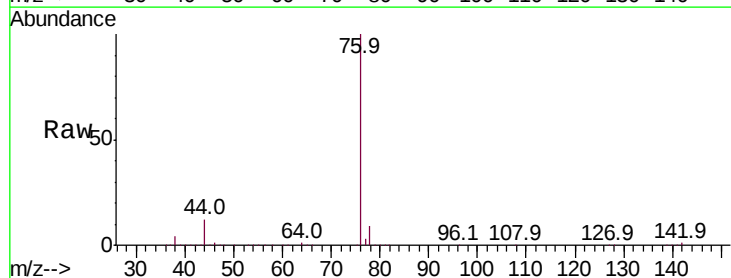
Acq: 08 Mar 2019 11:13

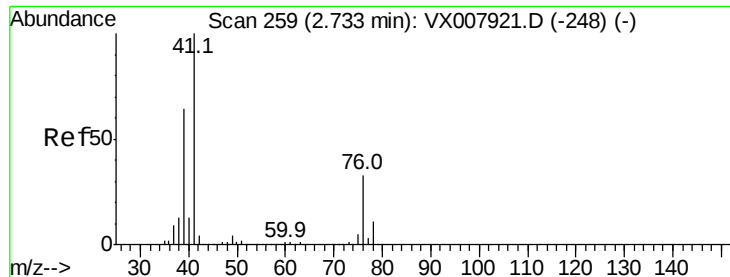
Tgt Ion: 76 Resp: 798177

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





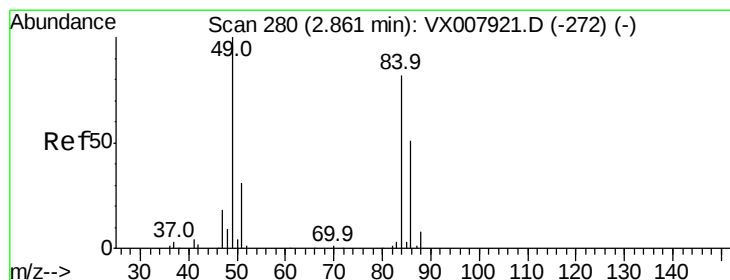
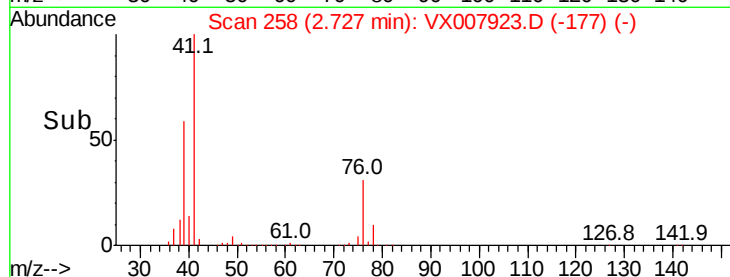
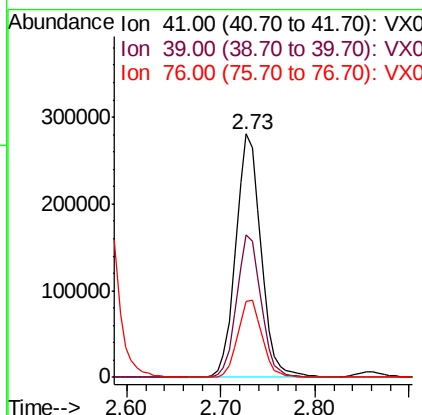
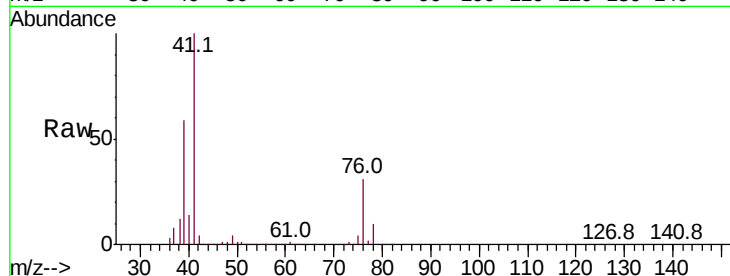
#17
Allvl chloride
Concen: 102.256 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.8	35.8	107.4
76	31.2	18.3	54.9

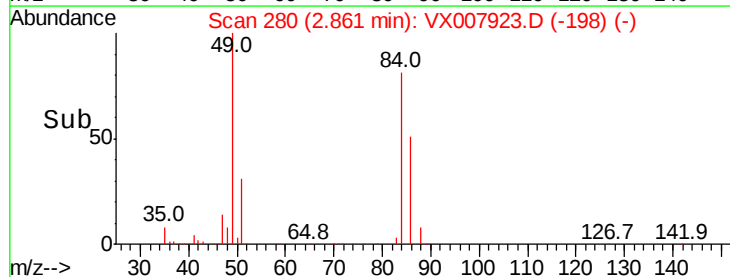
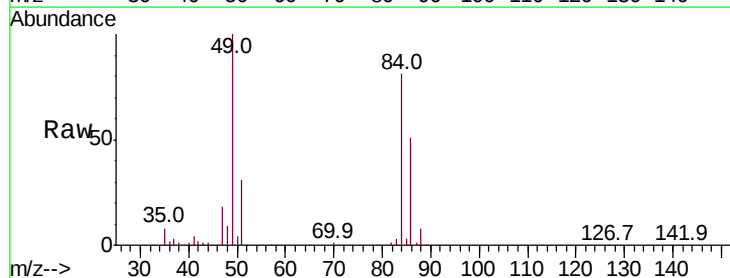
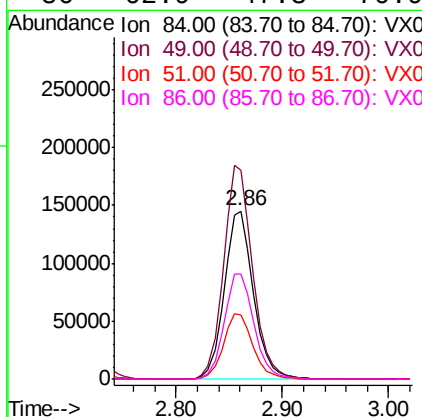
Manual Integrations
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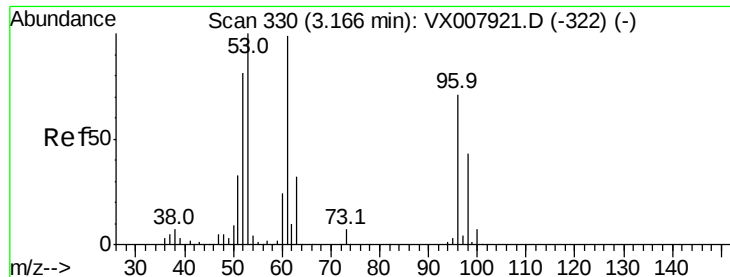
MMDadoda
3/11/2019 9:30:57 AM



#18
Methylene Chloride
Concen: 94.500 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	96.1	144.1
51	38.3	29.1	43.7
86	62.9	47.3	70.9





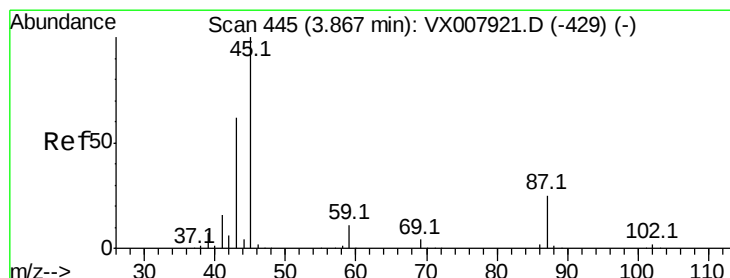
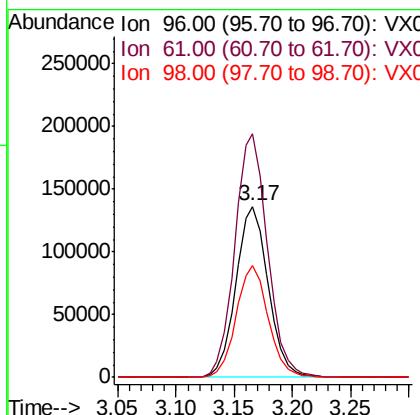
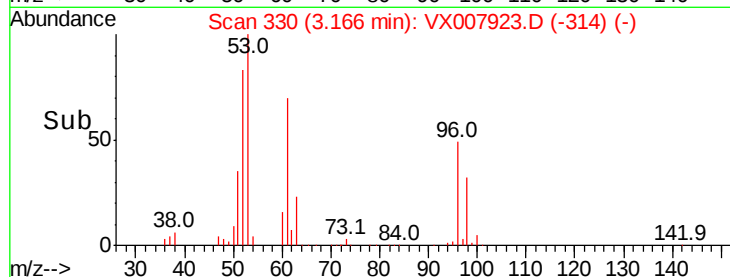
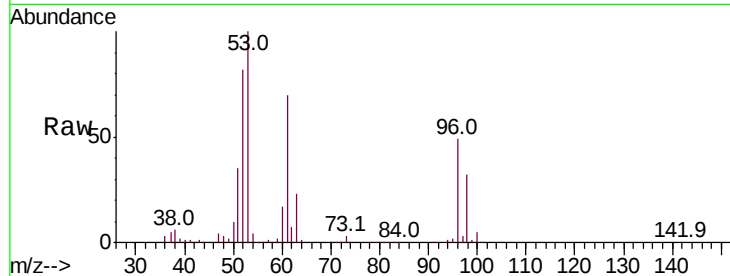
#19
trans-1,2-Dichloroethene
Concen: 99.536 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	109.9	164.9
98	65.4	50.4	75.6

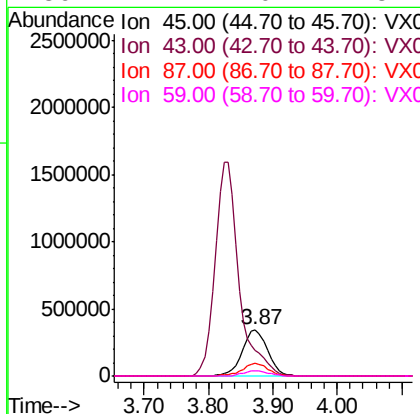
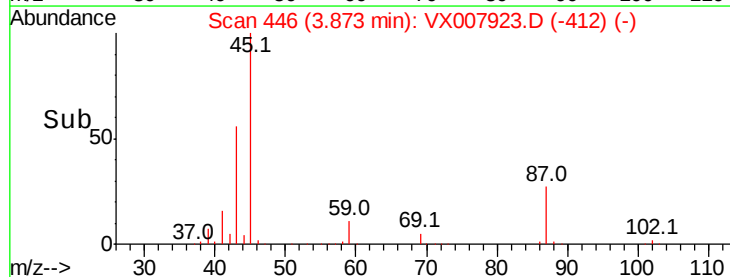
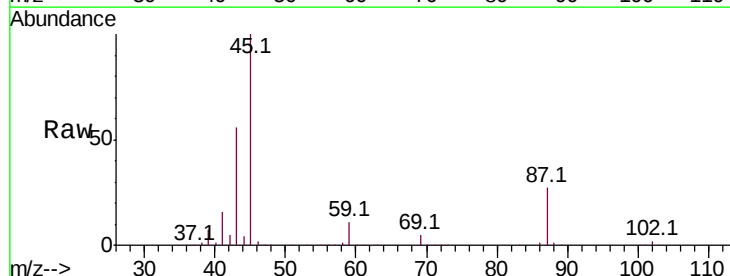
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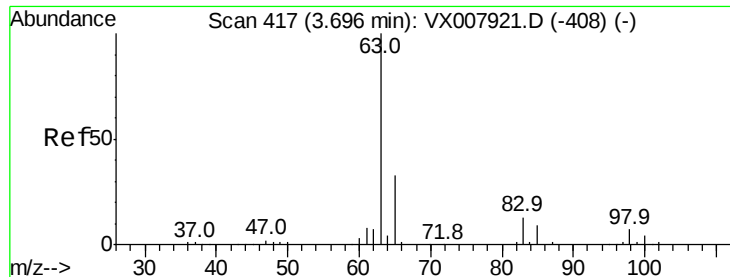
MMDadoda
3/11/2019 9:30:57 AM



#20
Diisopropyl ether
Concen: 98.806 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	50.6	76.0
87	27.0	24.5	36.7
59	11.4	10.2	15.2





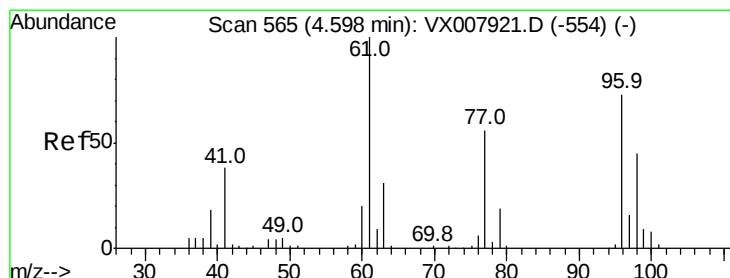
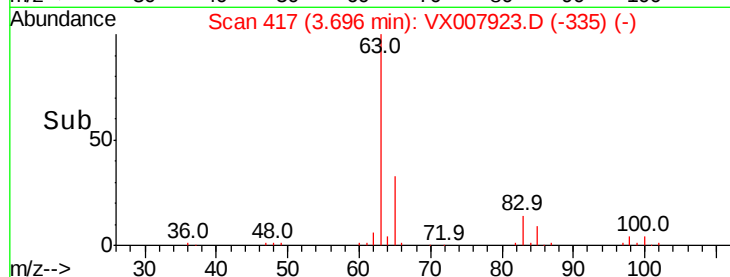
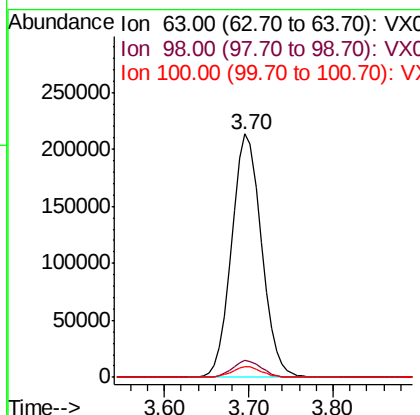
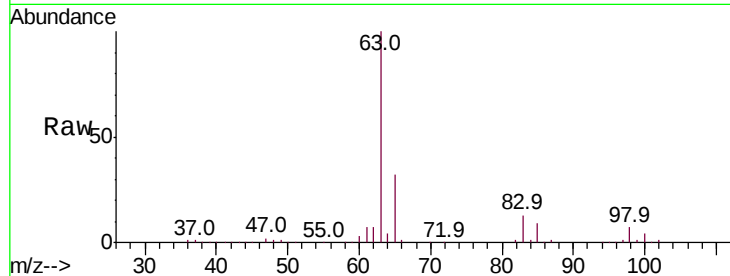
#21
1,1-Dichloroethane
Concen: 99.474 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	512194		
98	6.8		3.8	11.4
100	4.3		2.4	7.1

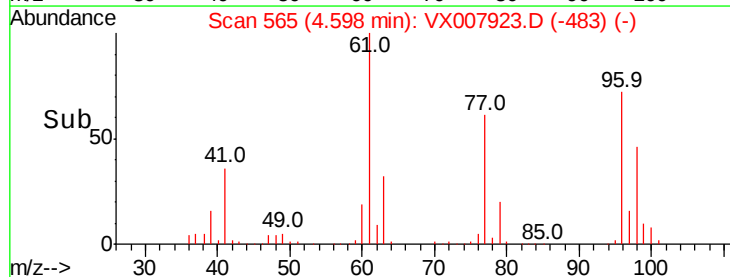
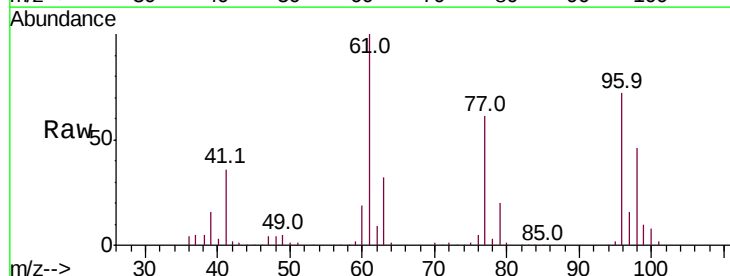
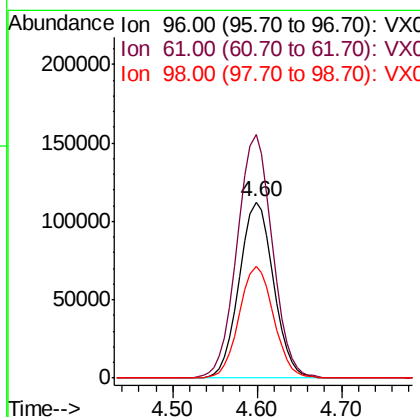
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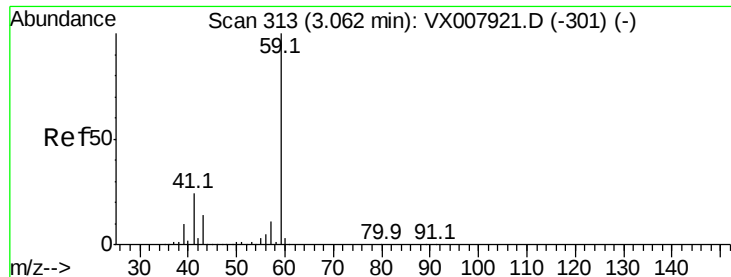
MMDadoda
3/11/2019 9:30:57 AM



#22
cis-1,2-Dichloroethene
Concen: 101.320 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	309509		
61	142.4		103.5	155.3
98	64.0		52.1	78.1





#23

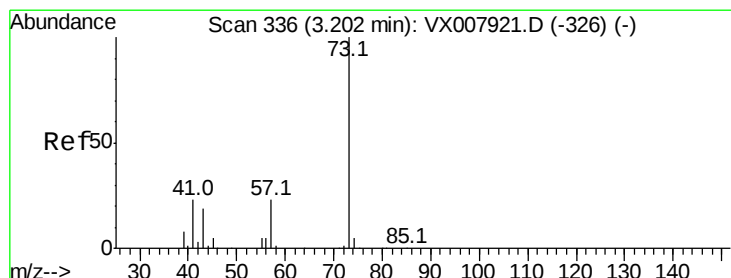
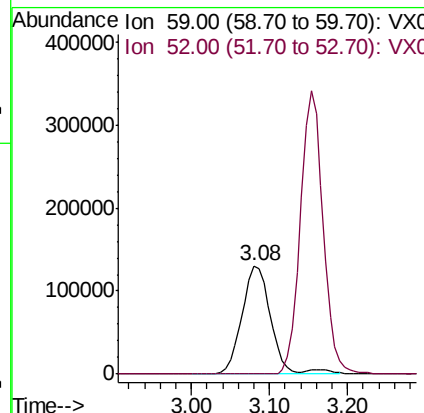
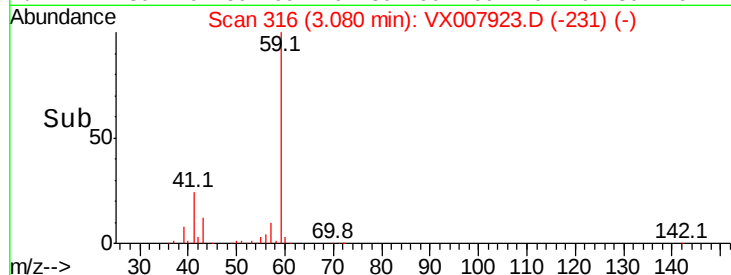
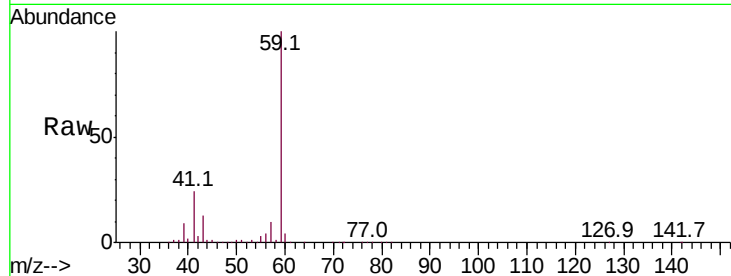
tert-Butyl Alcohol
Concen: 488.852 ug/l m
RT: 3.08 min Scan# 316
Delta R.T. 0.02 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 337289
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

Manual Integrations
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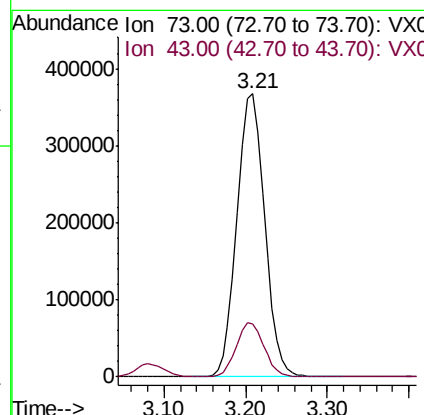
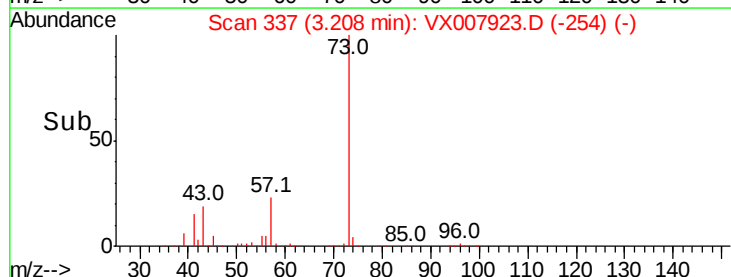
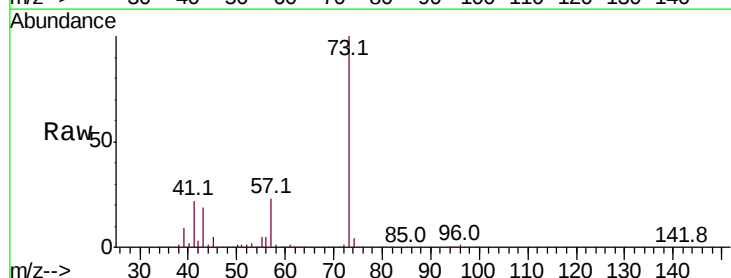
MMDadoda
3/11/2019 9:30:57 AM

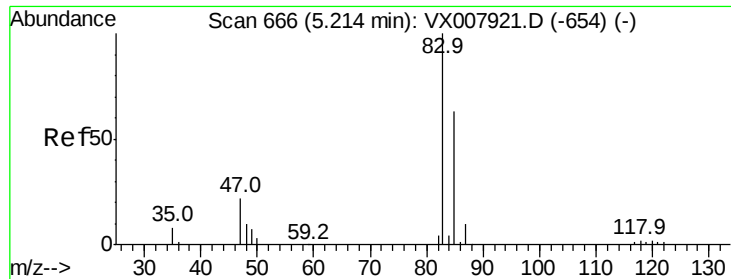


#24

Methyl tert-Butyl Ether
Concen: 100.299 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 73 Resp: 866111
Ion Ratio Lower Upper
73 100
43 19.2 17.1 25.7





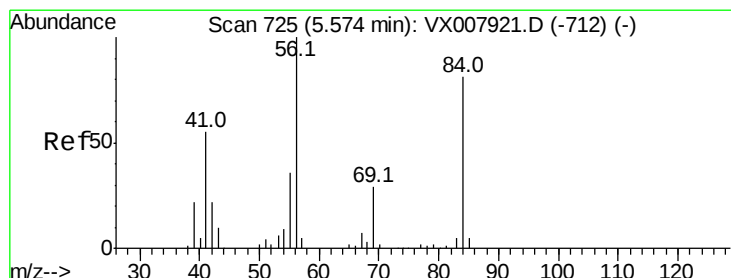
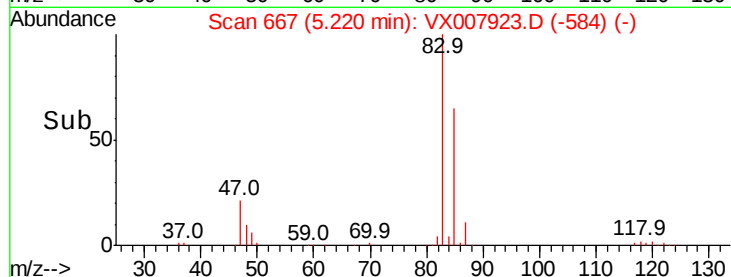
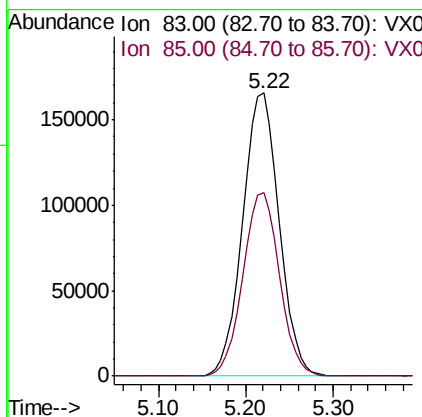
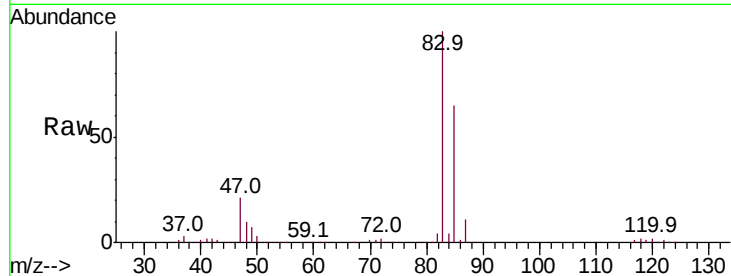
#25
Chloroform
Concen: 98.791 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 480667
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.6

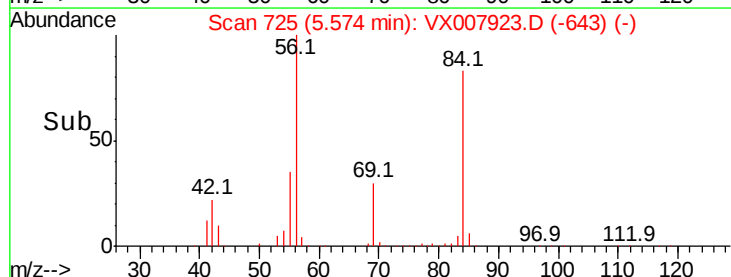
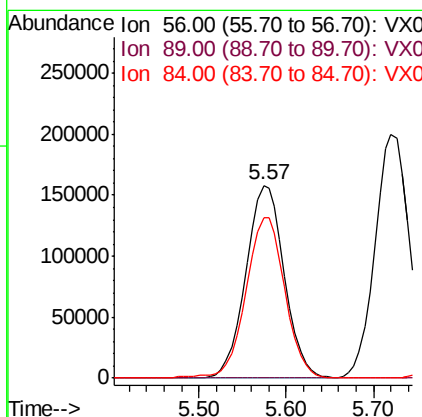
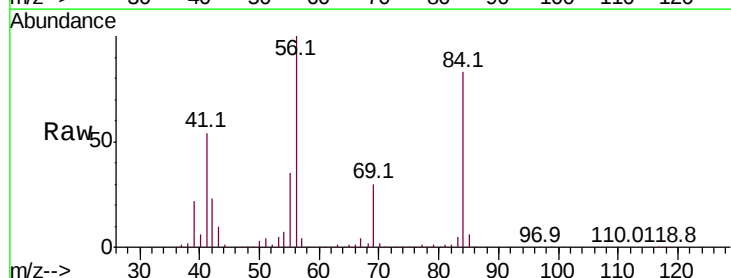
Manual Integrations
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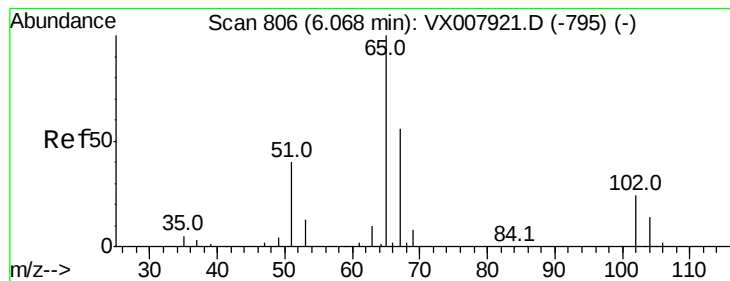
MMDadoda
3/11/2019 9:30:57 AM



#26
Cyclohexane
Concen: 102.918 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 56 Resp: 482051
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.1 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.162 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 85330

Ion Ratio Lower Upper

65 100

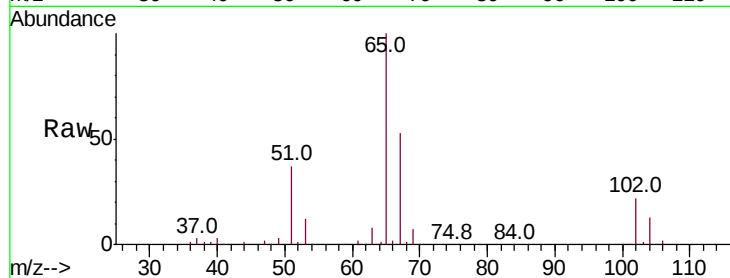
67 54.5 42.9 64.3

Manual Integrations

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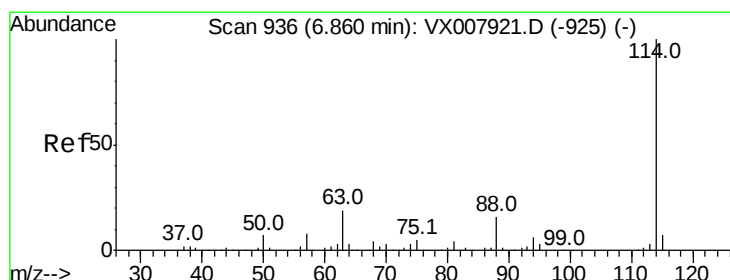
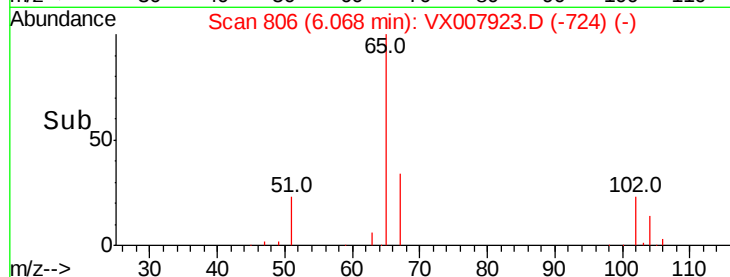
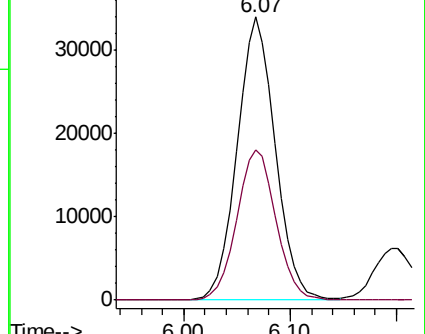
MMDadoda

3/11/2019 9:30:57 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

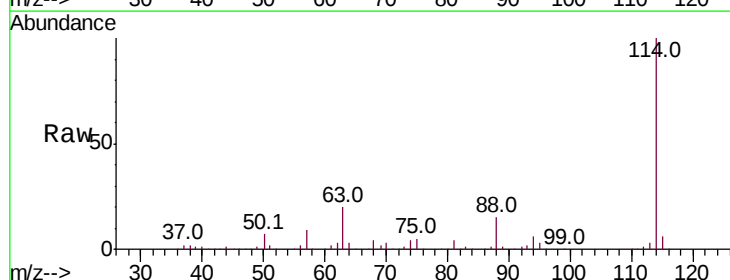
Tgt Ion: 114 Resp: 239743

Ion Ratio Lower Upper

114 100

63 19.6 14.2 21.4

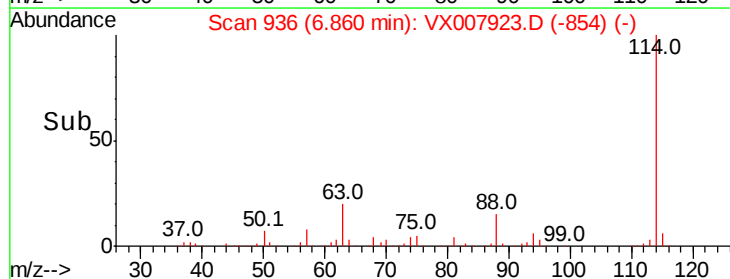
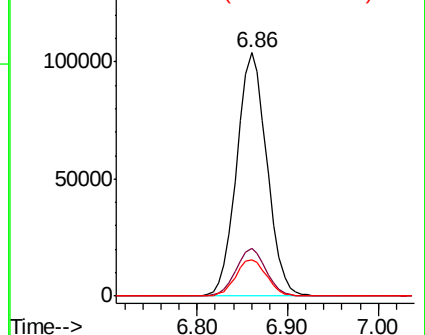
88 15.4 11.9 17.9

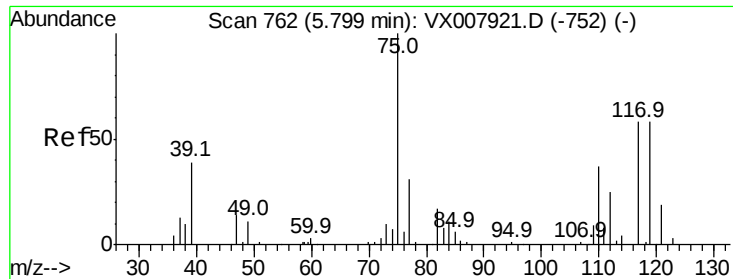


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





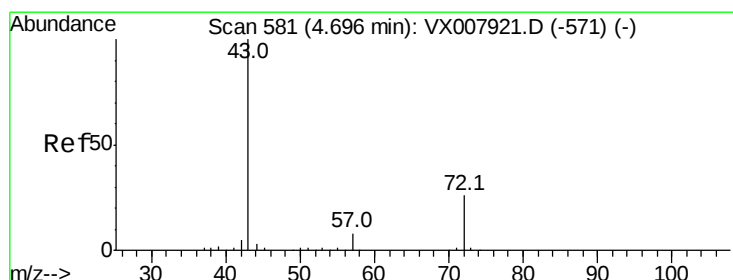
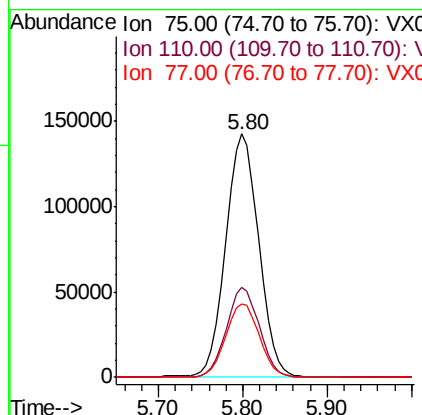
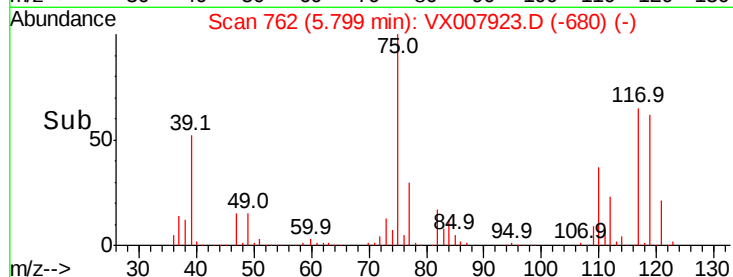
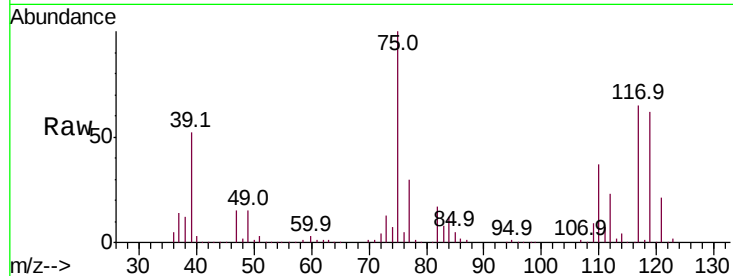
#29
 1,1-Dichloropropene
 Concen: 99.395 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	0.0	80.8	
77	30.8	0.0	62.4	

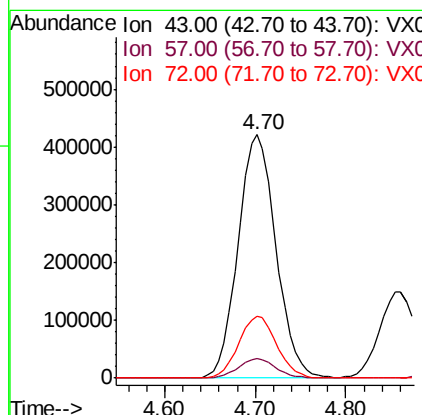
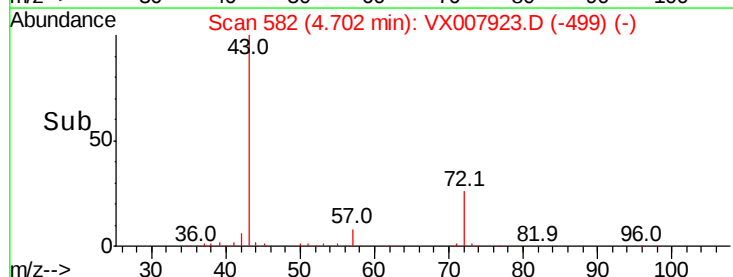
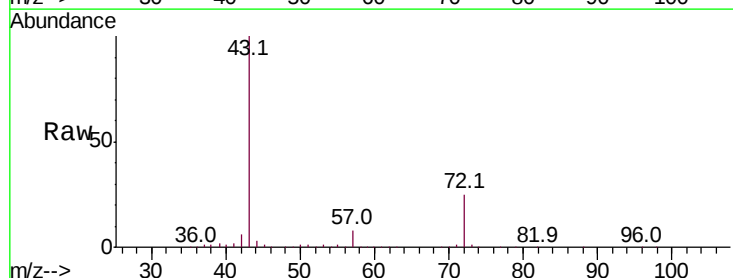
Manual Integrations
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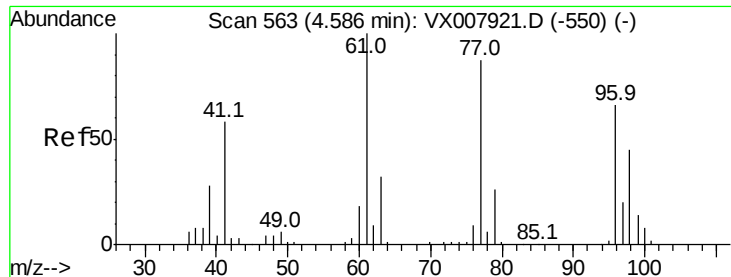
MMDadoda
 3/11/2019 9:30:57 AM



#30
 2-Butanone
 Concen: 450.580 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.9	7.0	10.6	
72	25.6	21.5	32.3	





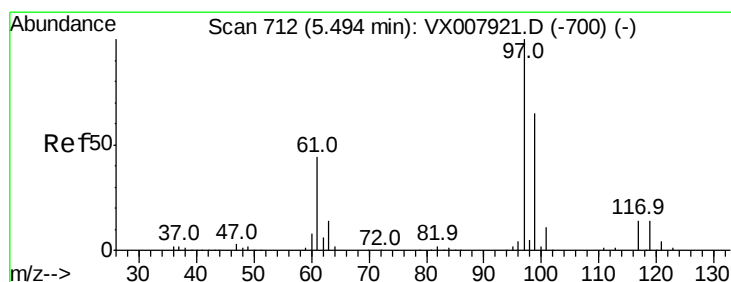
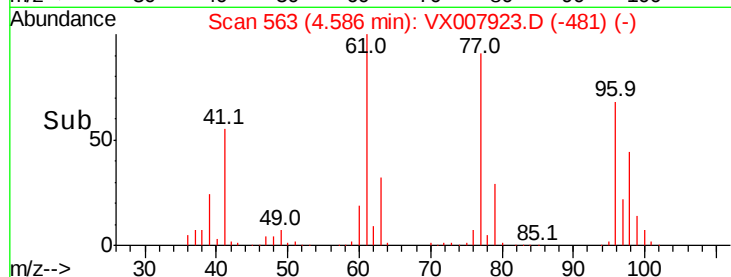
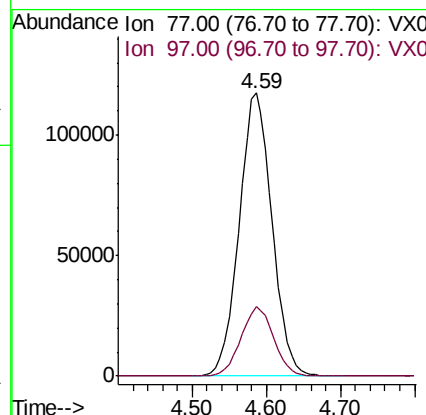
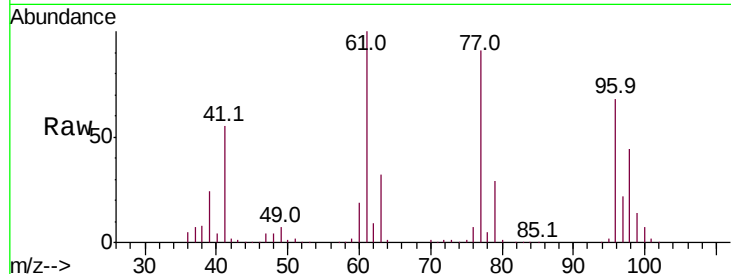
#31
 2,2-Dichloropropane
 Concen: 104.505 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 77 Resp: 361925
 Ion Ratio Lower Upper
 77 100
 97 24.6 20.6 31.0

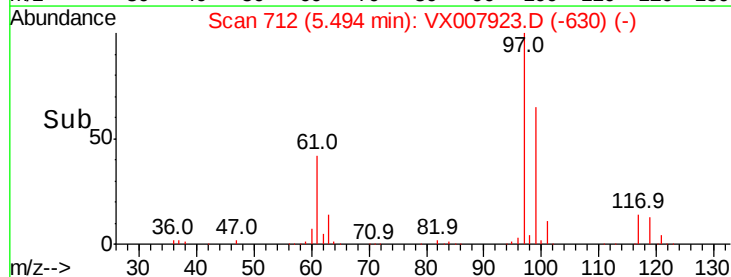
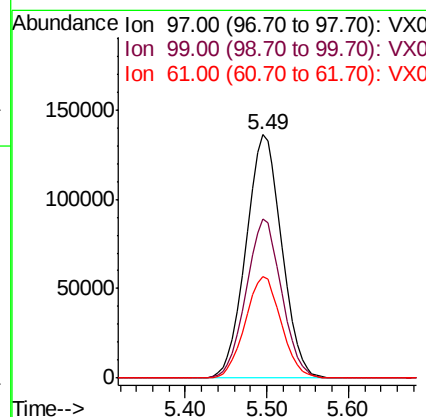
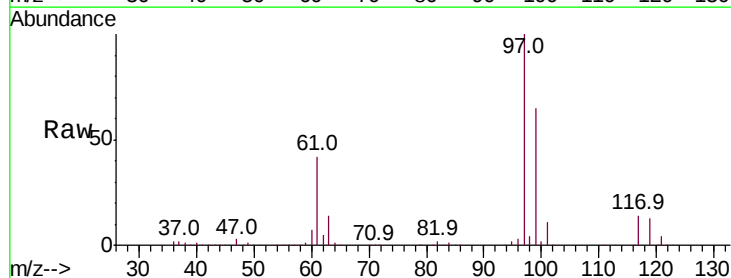
Manual Integrations
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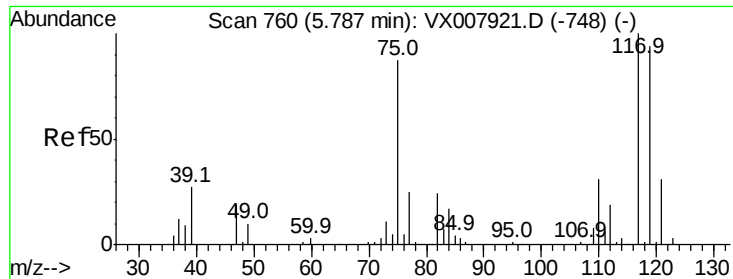
MMDadoda
 3/11/2019 9:30:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 101.150 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion: 97 Resp: 415459
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.0 32.8 49.2





#33

Carbon Tetrachloride

Concen: 103.033 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

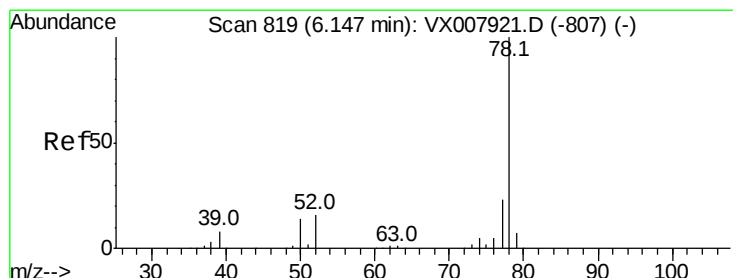
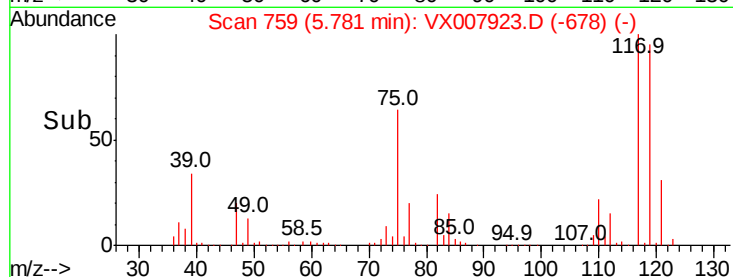
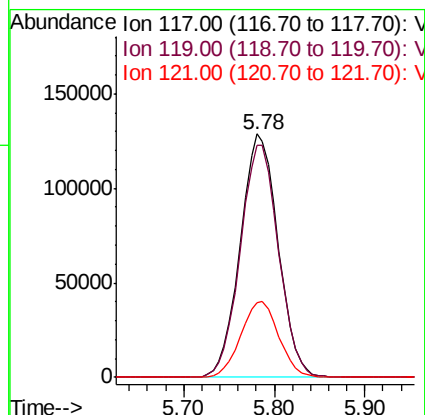
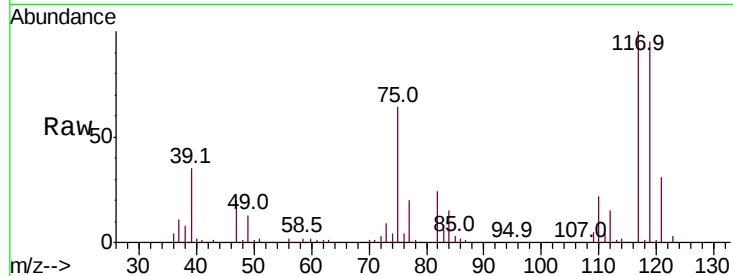
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.1	117.1
121	30.5	27.0	40.6

Manual Integrations
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3/11/2019 9:30:57 AM



#34

Benzene

Concen: 96.607 ug/l

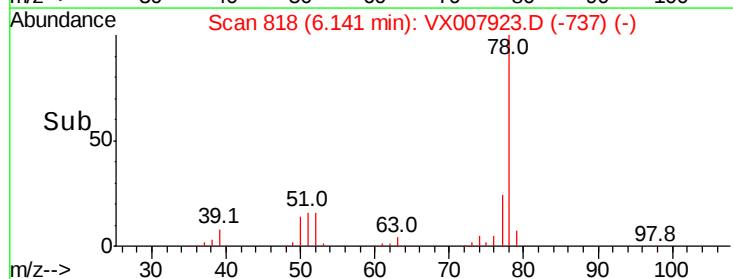
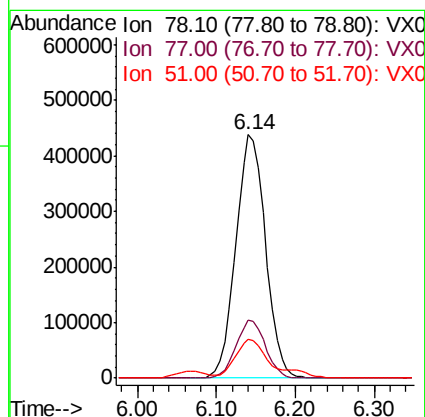
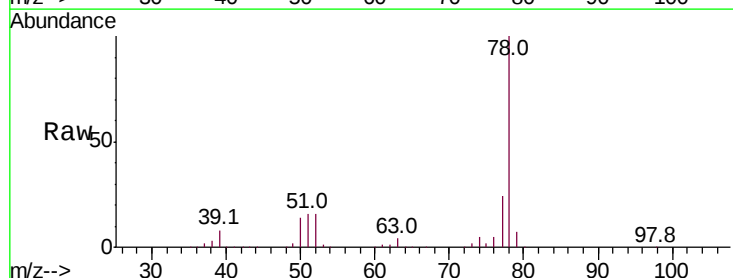
RT: 6.14 min Scan# 818

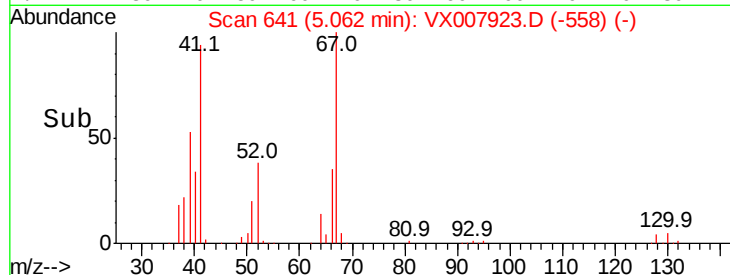
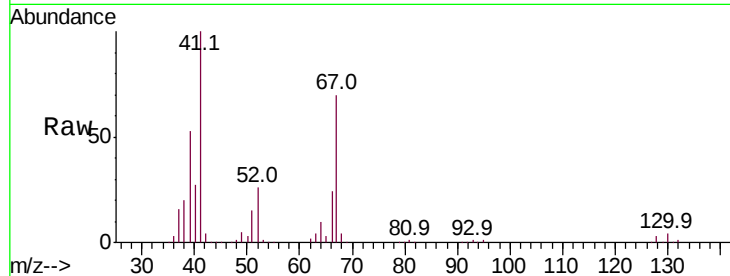
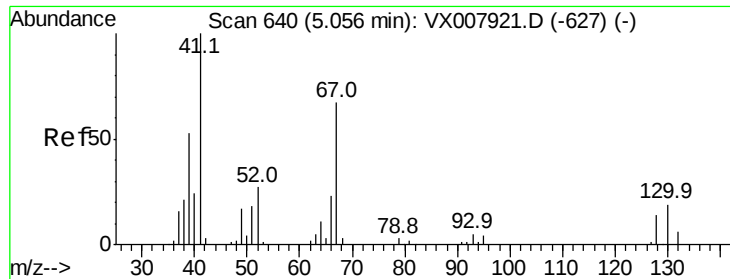
Delta R.T. -0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7
51	16.0	10.8	16.2





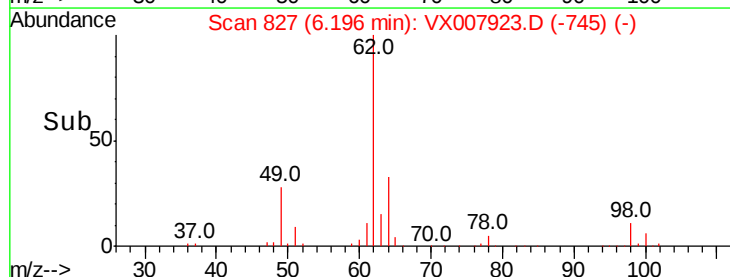
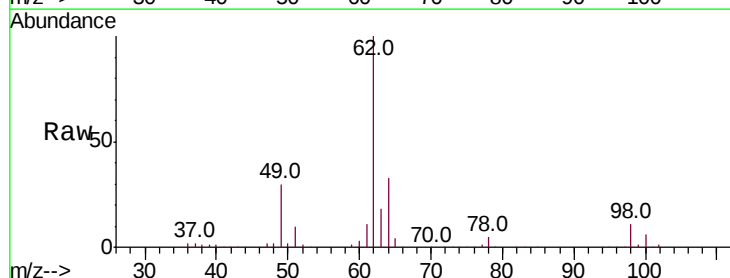
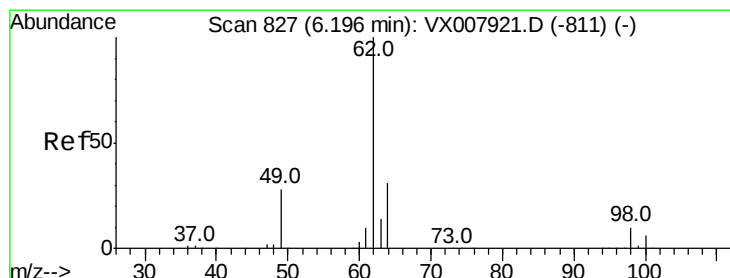
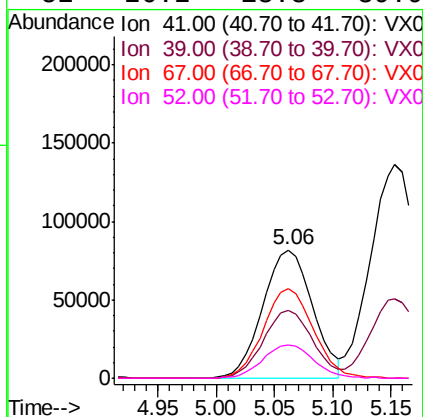
#35
Methacrylonitrile
Concen: 94.790 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	27.4	82.0	
67	70.0	37.9	113.6	
52	26.2	13.3	39.9	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

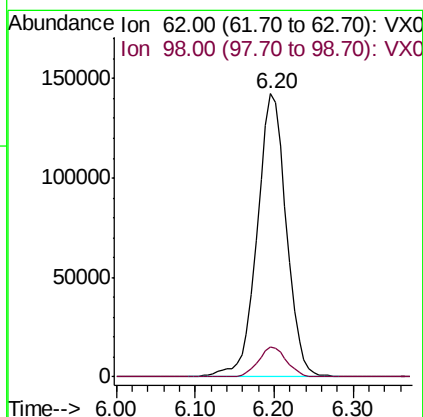
Manual Integrations
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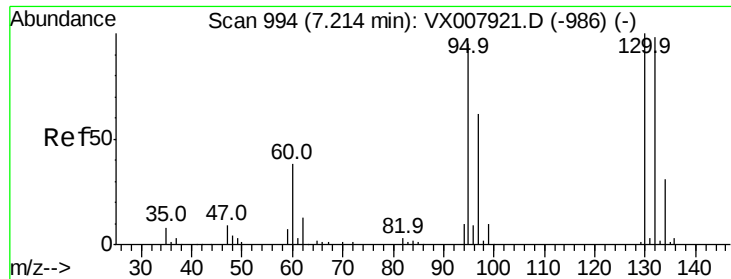
MMDadoda
3/11/2019 9:30:57 AM



#36
1,2-Dichloroethane
Concen: 93.677 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	7.8	11.8	





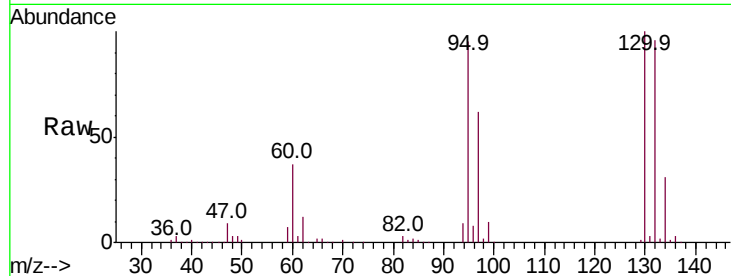
#37
 Trichloroethene
 Concen: 97.348 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

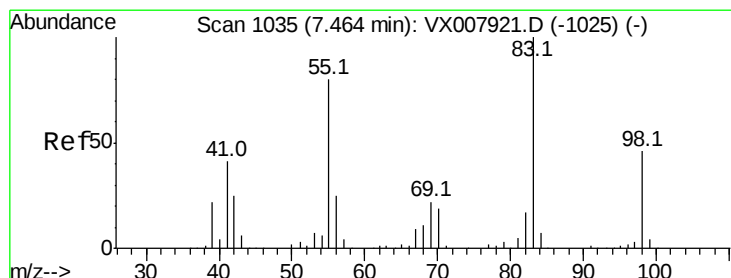
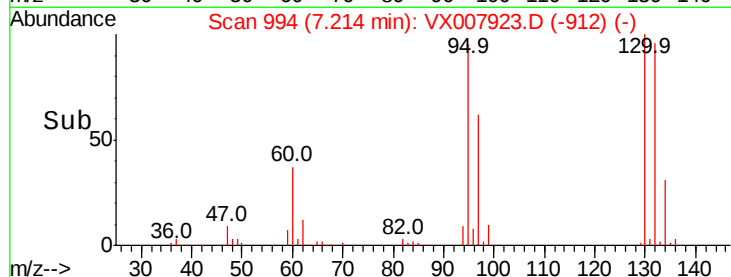
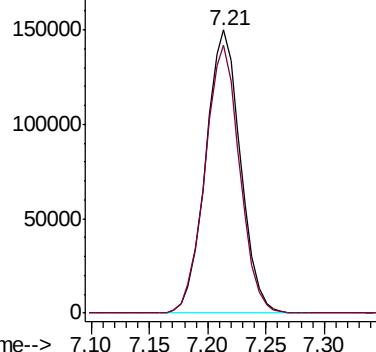
Tot Ion:130 Resp: 311849
 Ion Ratio Lower Upper
 130 100
 95 94.7 71.3 106.9

Manual Integrations
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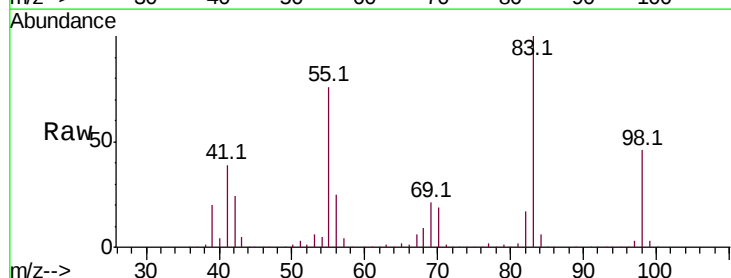


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

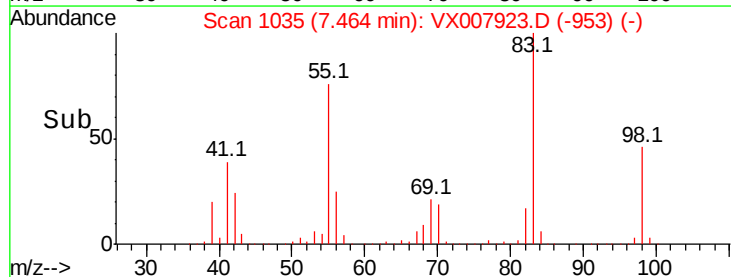
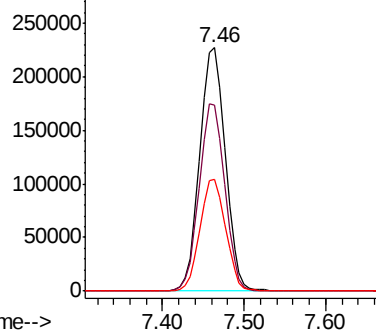


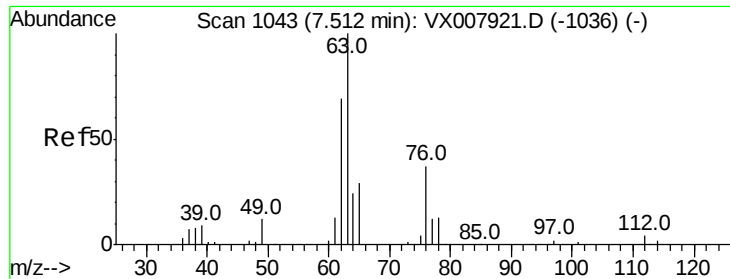
#38
 Methylcyclohexane
 Concen: 101.403 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion: 83 Resp: 489722
 Ion Ratio Lower Upper
 83 100
 55 76.8 36.0 108.0
 98 46.2 23.8 71.4



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





#39

1,2-Dichloropropane

Concen: 96.994 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 299362

Ion Ratio Lower Upper

63 100

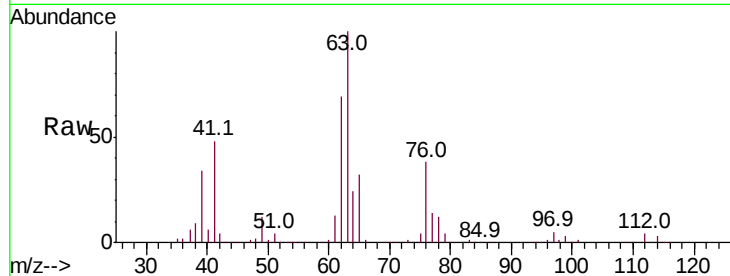
65 31.8 24.6 37.0

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.52

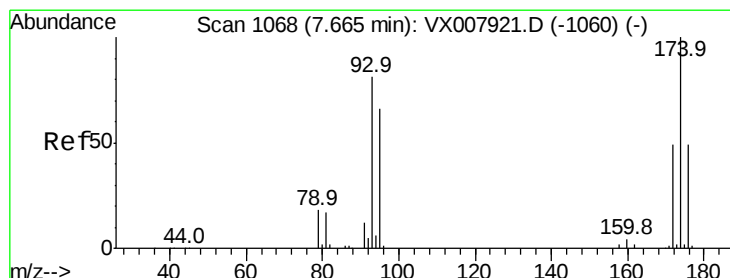
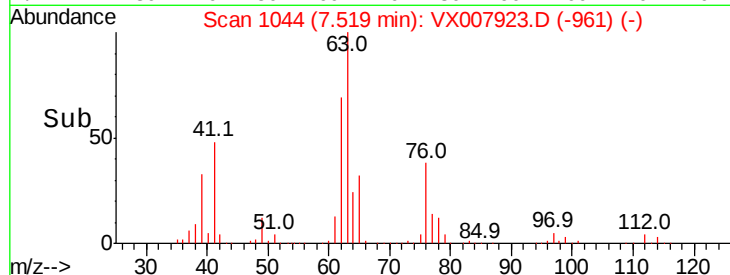
150000

100000

50000

0

Time-->



#40

Dibromomethane

Concen: 96.889 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

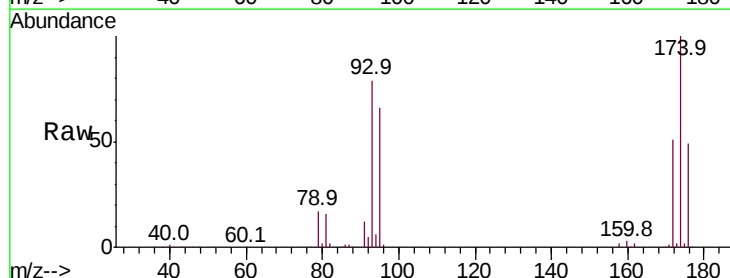
Tgt Ion: 93 Resp: 189809

Ion Ratio Lower Upper

93 100

95 84.3 0.0 158.8

174 122.4 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

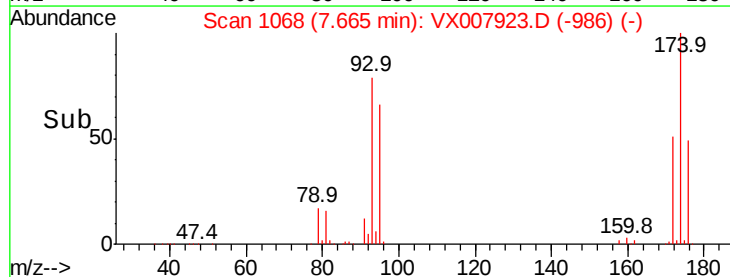
150000

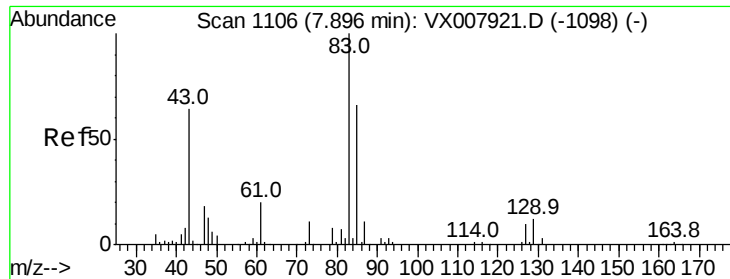
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 102.248 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 370789

Ion Ratio Lower Upper

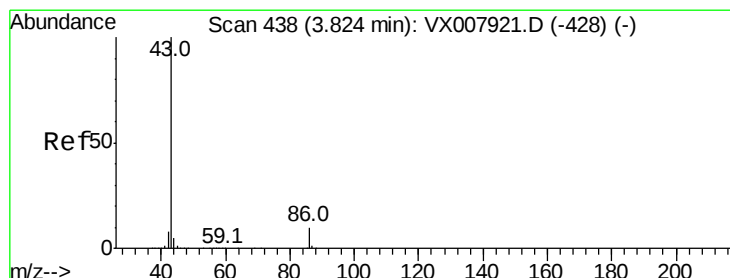
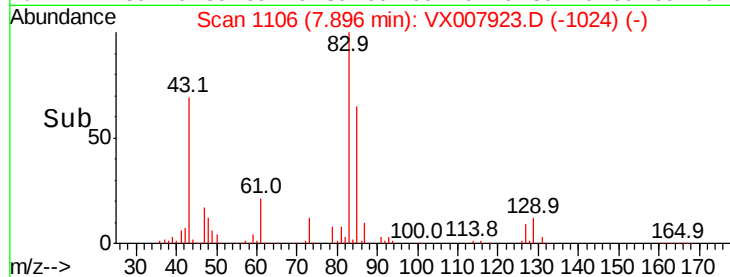
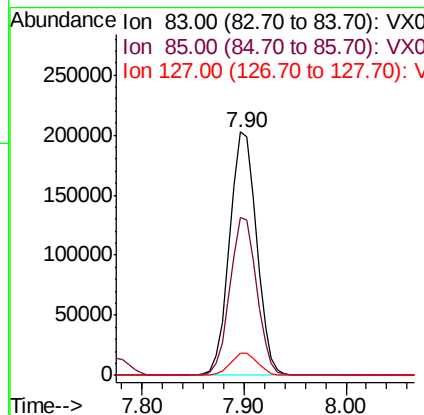
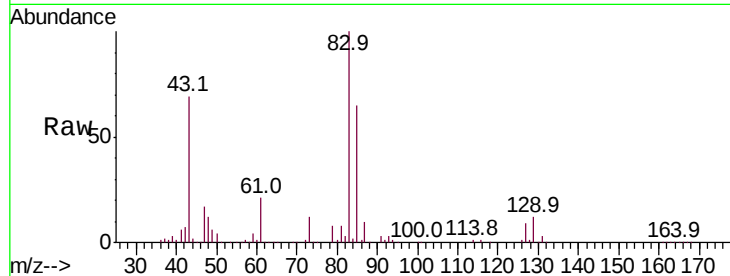
83 100

85 64.9 51.1 76.7

127 9.1 7.2 10.8

Manual Integrations
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MMDadoda
3/11/2019 9:30:57 AM



#42

Vinyl Acetate

Concen: 496.468 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007923.D

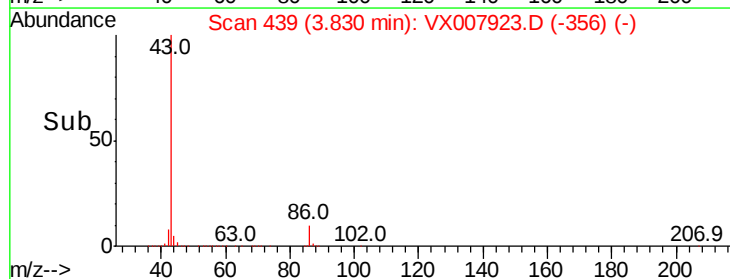
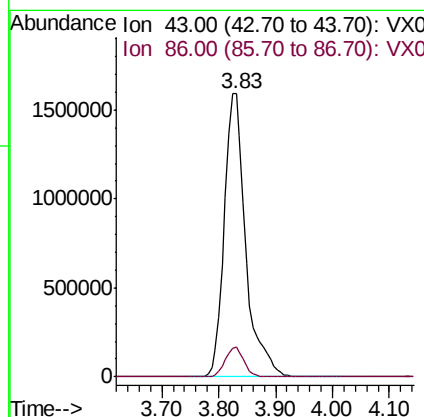
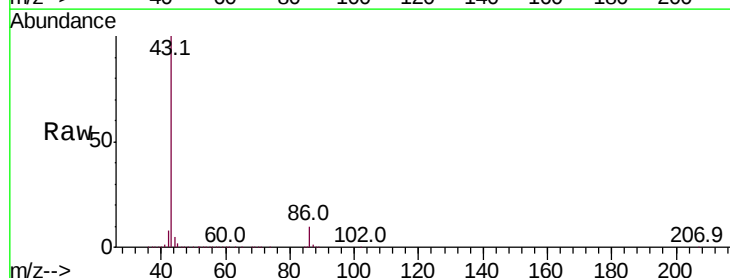
Acq: 08 Mar 2019 11:13

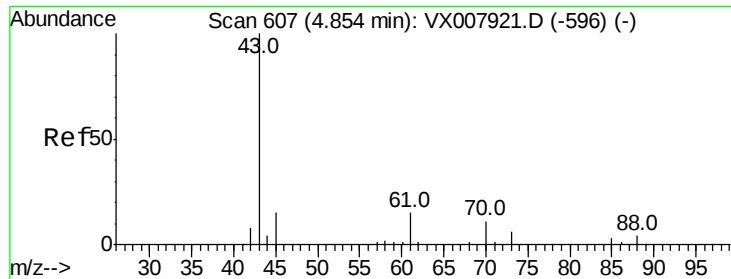
Tgt Ion: 43 Resp: 4163966

Ion Ratio Lower Upper

43 100

86 9.2 8.2 12.2





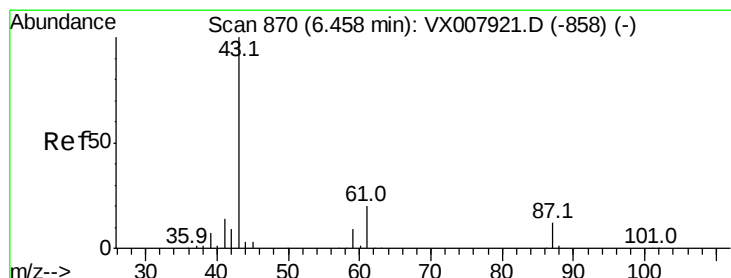
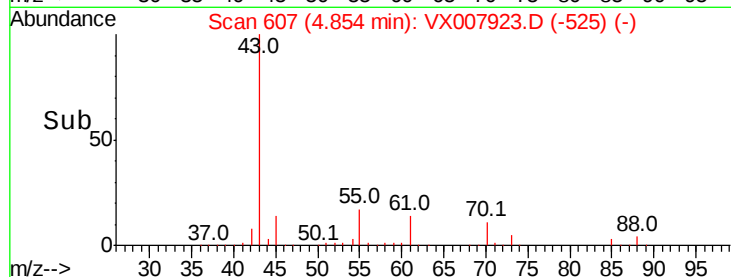
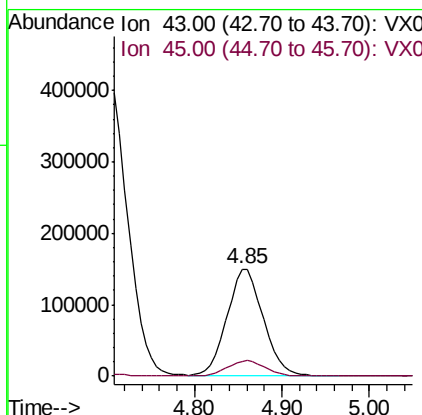
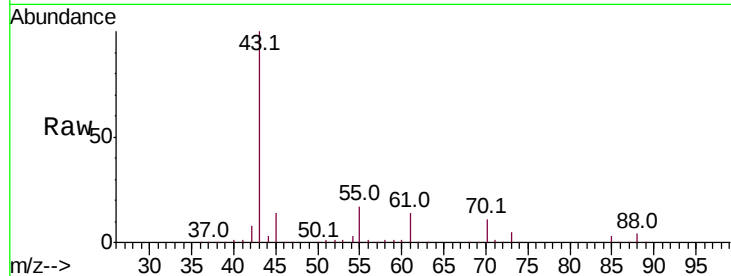
#43
Ethyl Acetate
Concen: 94.766 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 434881
Ion Ratio Lower Upper
43 100
45 15.1 6.9 10.3#

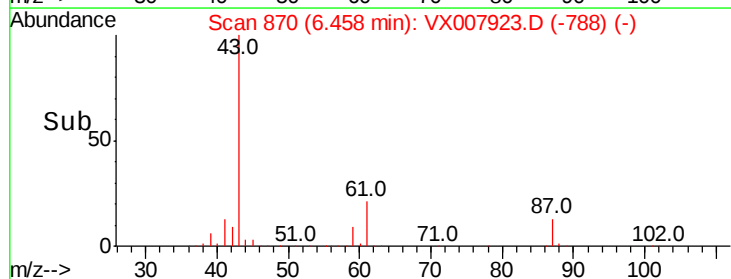
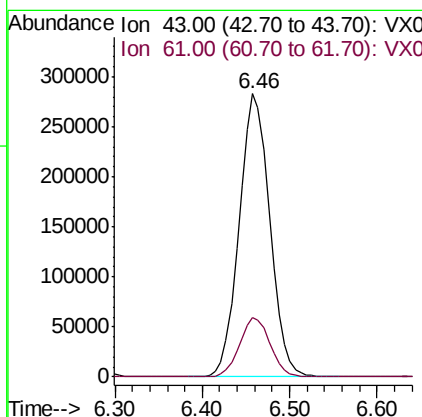
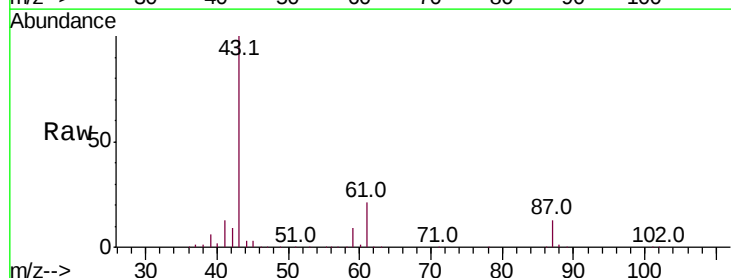
Manual Integrations
APPROVED

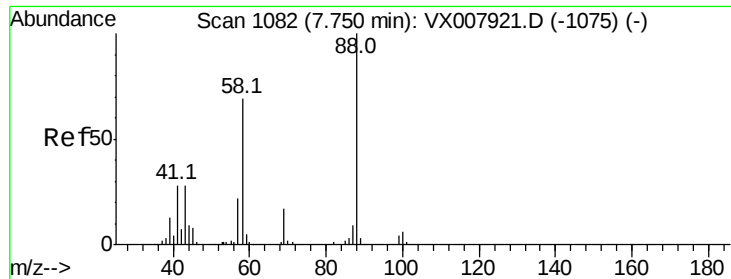
MMDadoda
3/11/2019 9:30:57 AM



#44
Isopropyl Acetate
Concen: 100.746 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 43 Resp: 687105
Ion Ratio Lower Upper
43 100
61 20.9 16.1 24.1





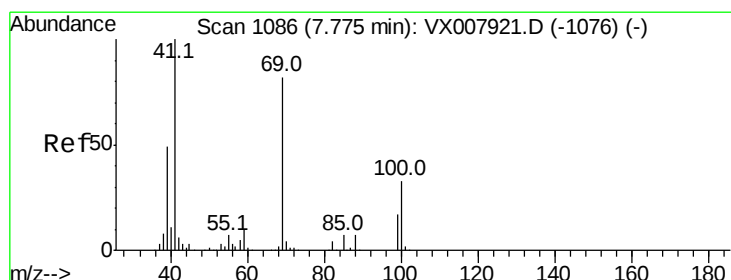
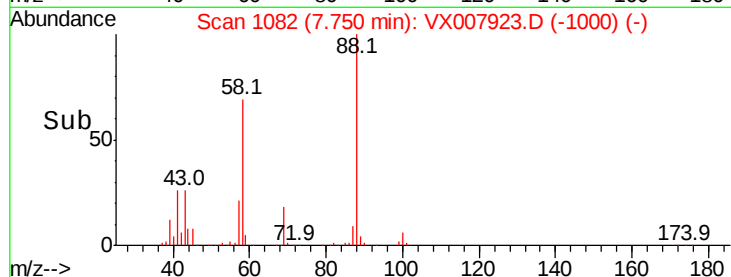
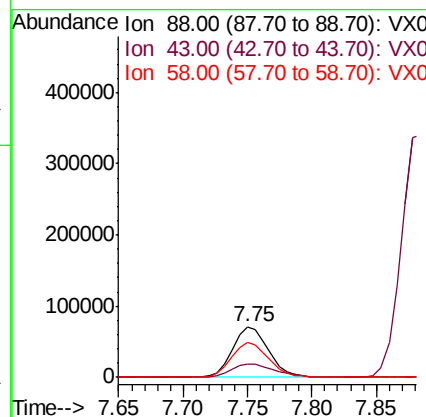
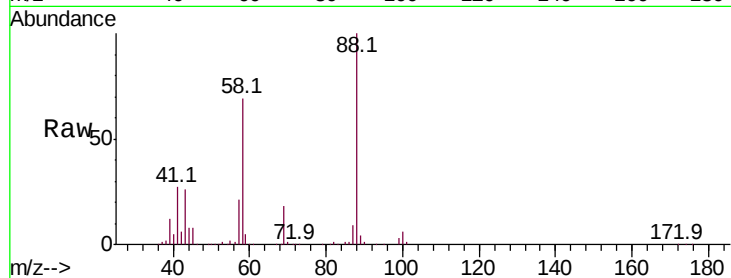
#45
 1,4-Dioxane
 Concen: 1879.008 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	137750		
43	30.6		23.6	35.4
58	71.7		51.6	77.4

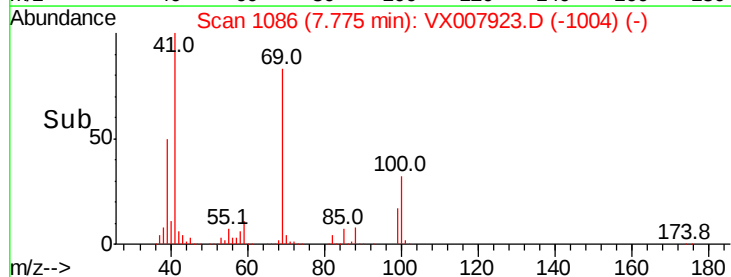
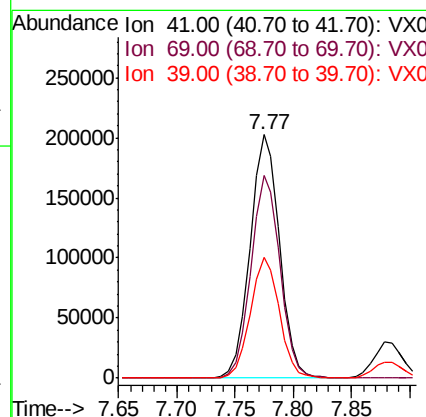
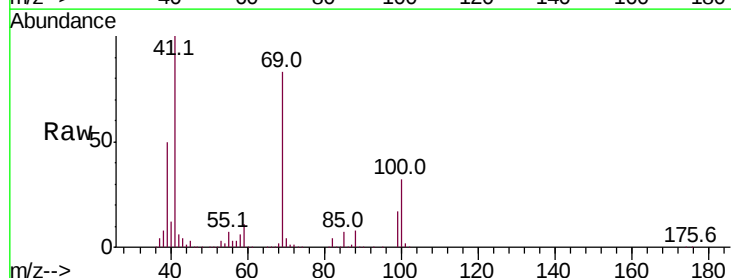
Manual Integrations
 APPROVED

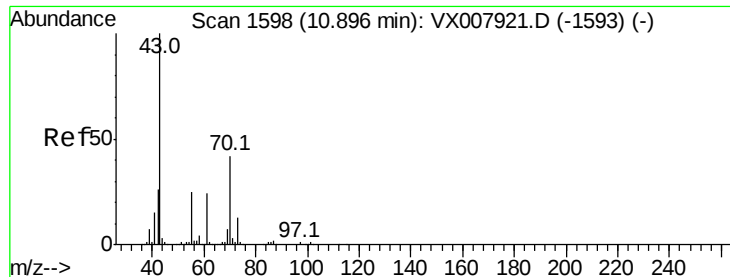
MMDadoda
 3/11/2019 9:30:57 AM



#46
 Methyl methacrylate
 Concen: 98.771 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	357844		
69	83.1		44.2	132.6
39	49.5		29.9	89.8





#47

n-amvl Acetate

Concen: 98.399 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 580199

Ion Ratio Lower Upper

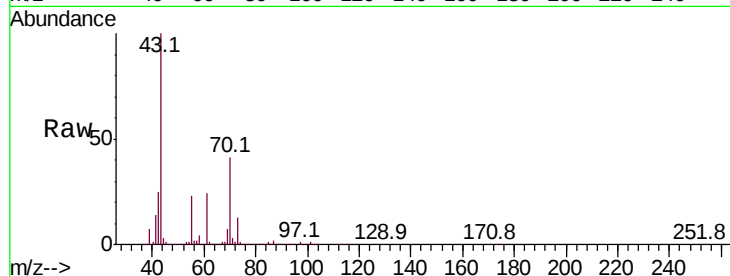
43 100

55 23.9 20.8 31.2

Manual Integrations
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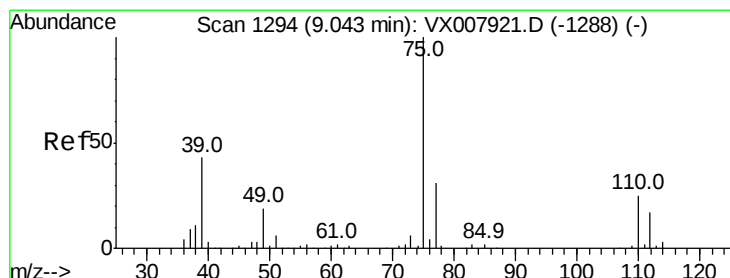
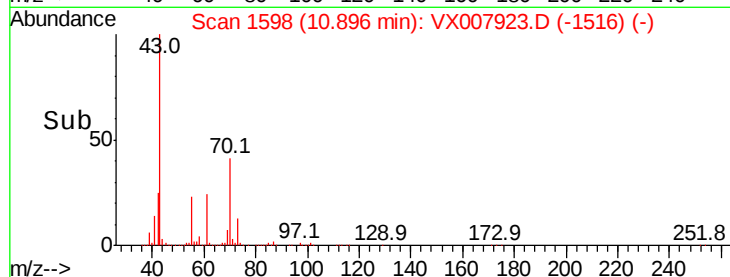
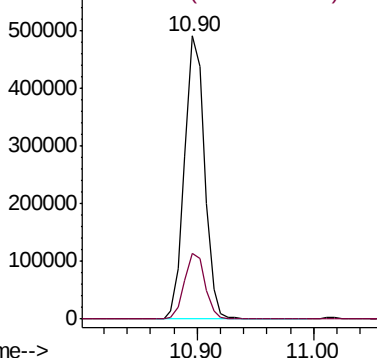
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 112.893 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007923.D

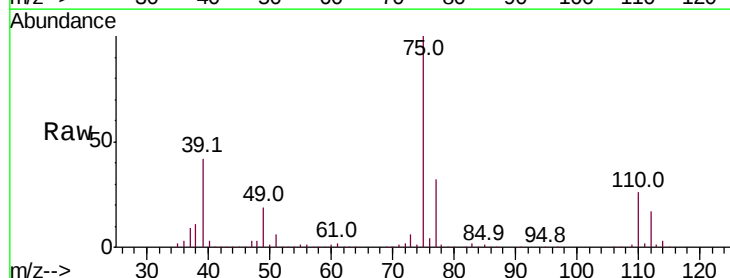
Acq: 08 Mar 2019 11:13

Tgt Ion: 75 Resp: 424026

Ion Ratio Lower Upper

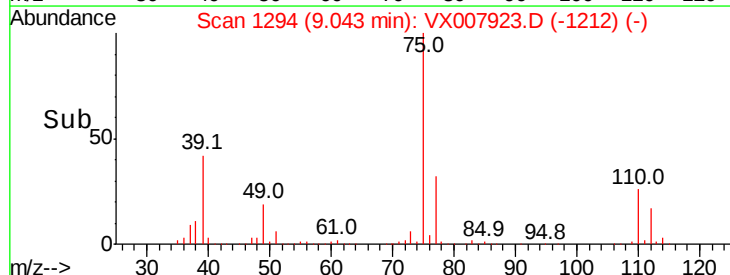
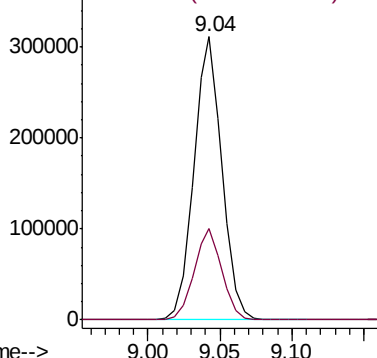
75 100

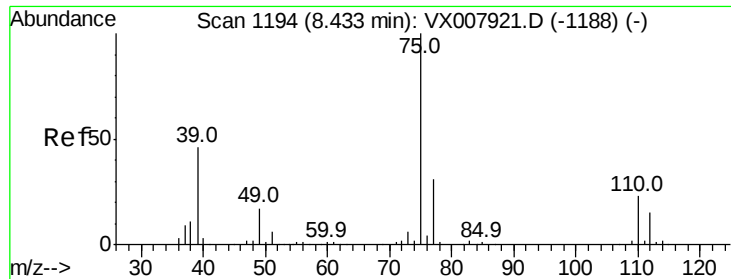
77 32.1 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

cis-1,3-Dichloropropene

Concen: 107.377 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX007923.D

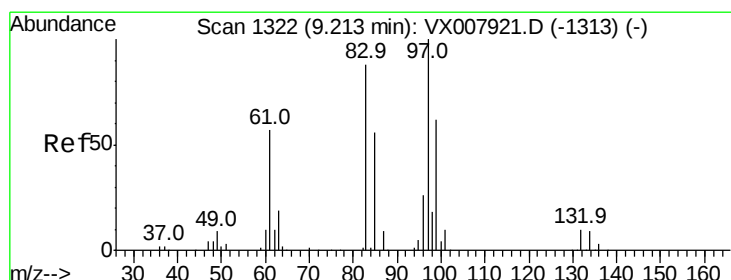
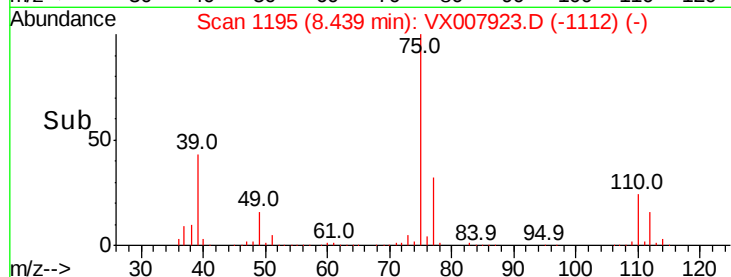
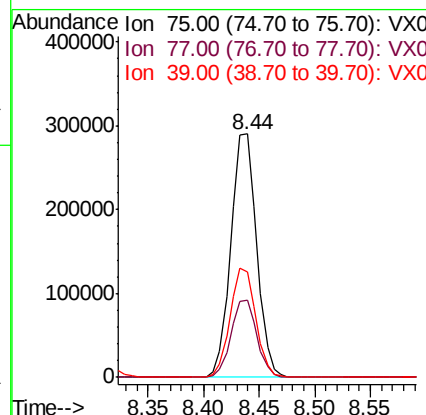
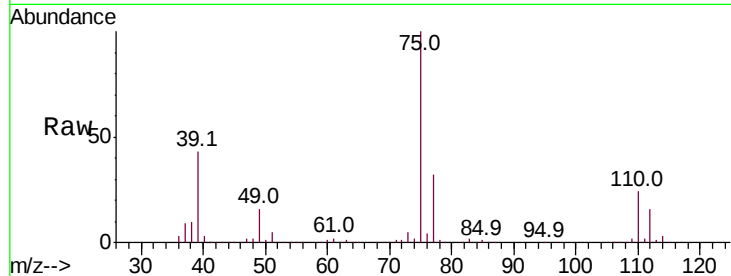
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.7	25.0	37.4	
39	43.0	38.5	57.7	

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#50

1,1,2-Trichloroethane

Concen: 92.817 ug/l

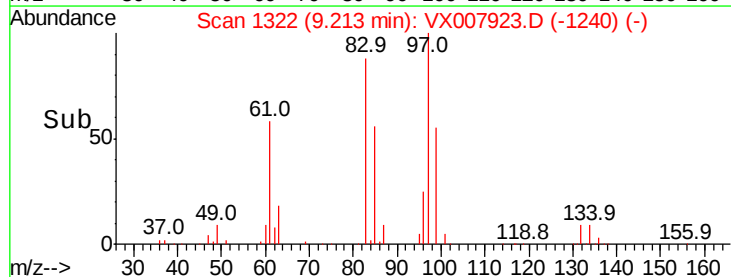
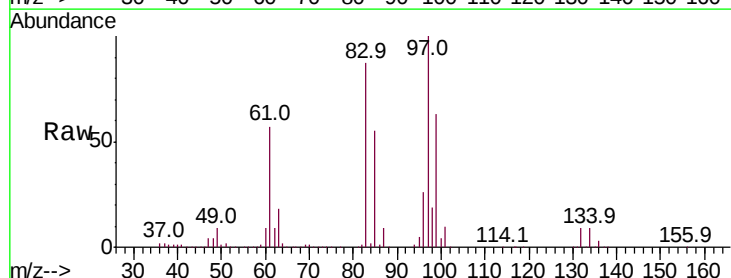
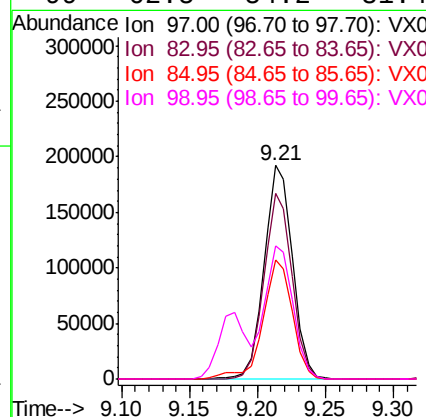
RT: 9.21 min Scan# 1322

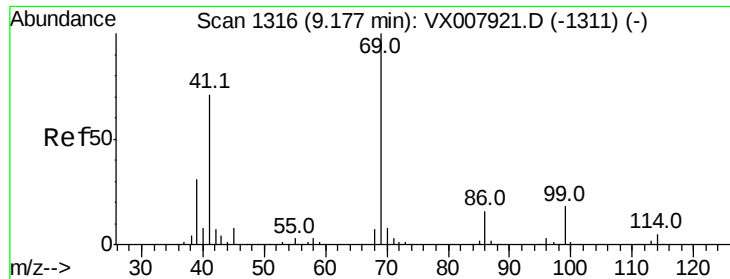
Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.6	72.0	108.0	
85	55.5	45.0	67.6	
99	62.5	54.2	81.4	





#51

Ethyl methacrylate

Concen: 99.638 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

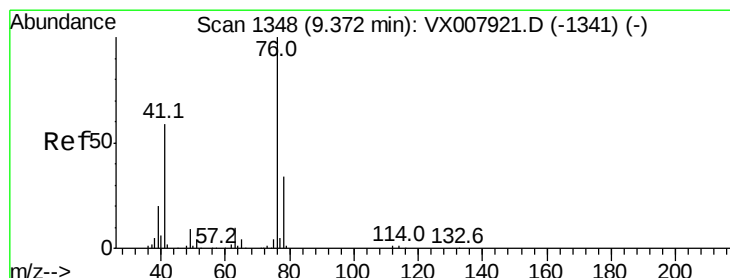
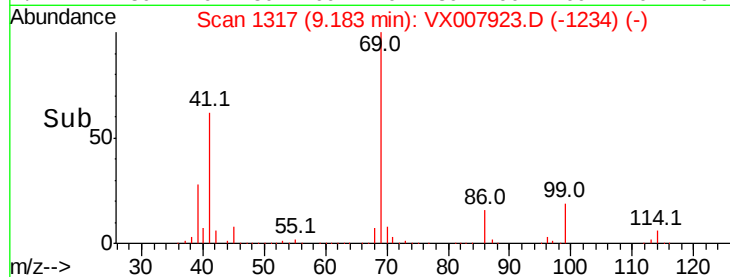
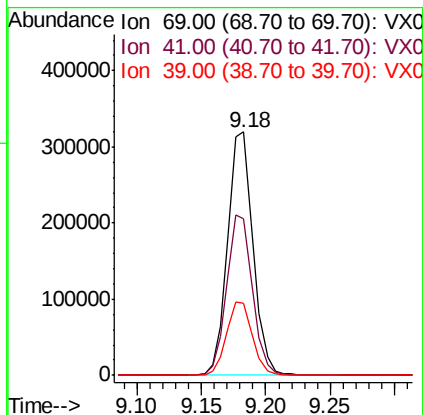
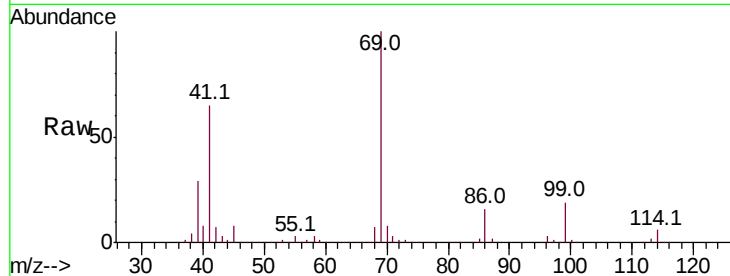
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	446318
Ion Ratio	Lower	Upper	
69	100		
41	64.5	32.1	96.5
39	29.4	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 95.114 ug/l

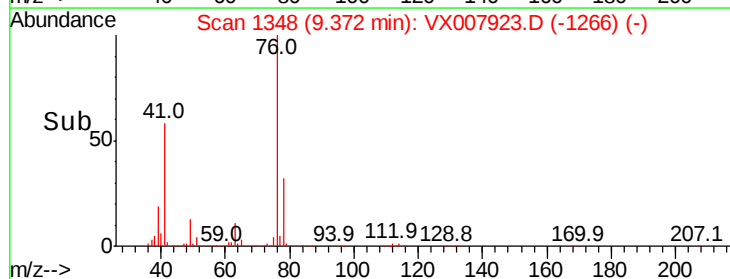
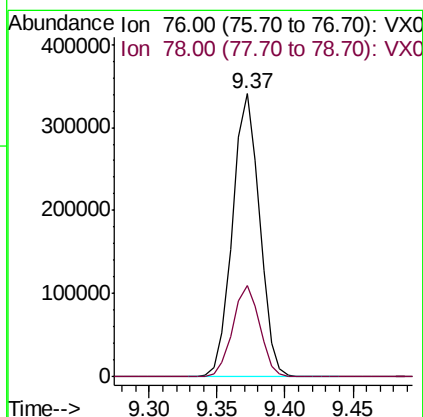
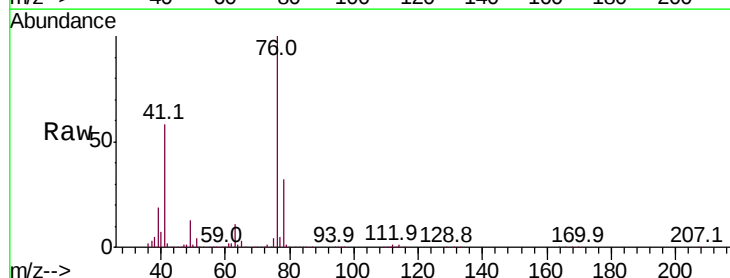
RT: 9.37 min Scan# 1348

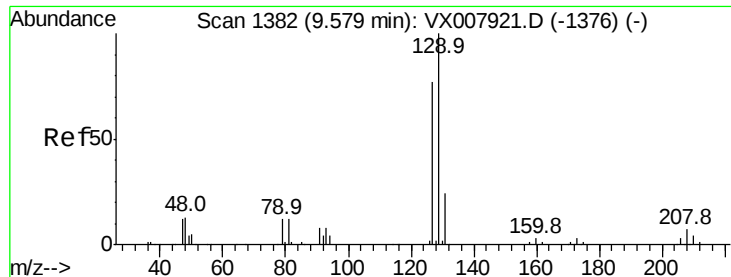
Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Tgt Ion:	76	Resp:	473866
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	65.2





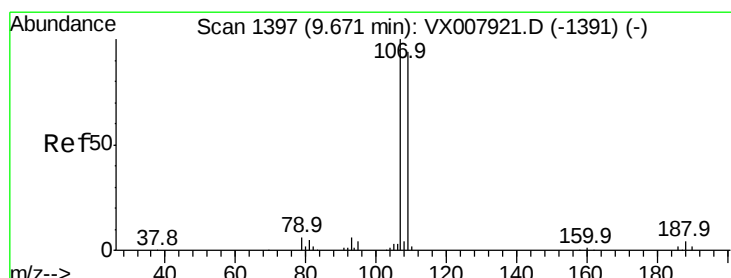
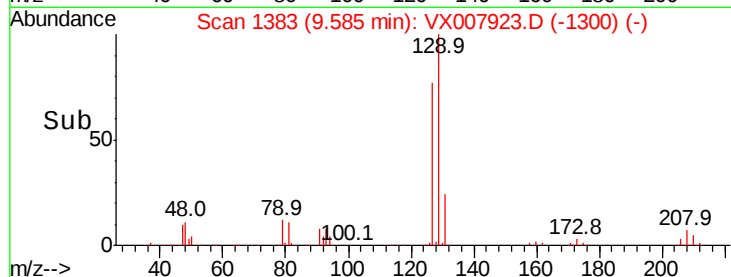
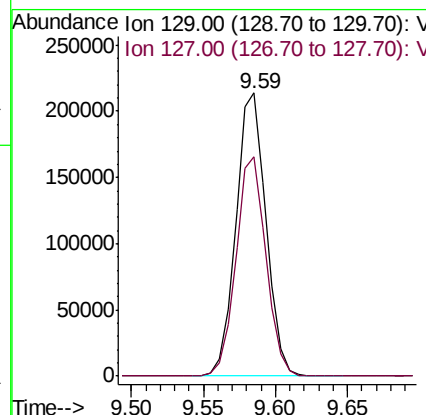
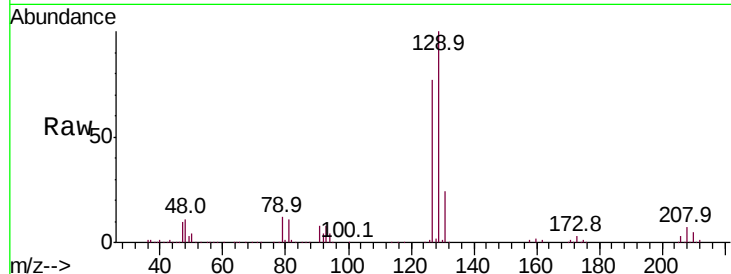
#53
Dibromochloromethane
Concen: 104.400 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:129 Resp: 311461
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2

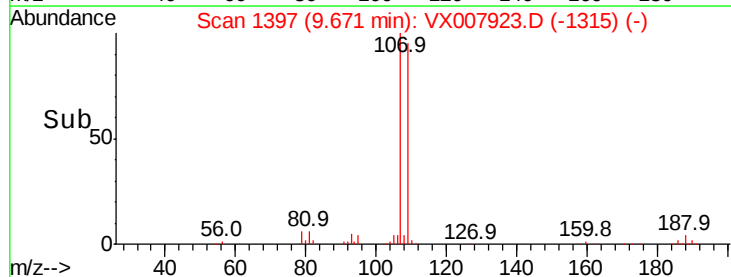
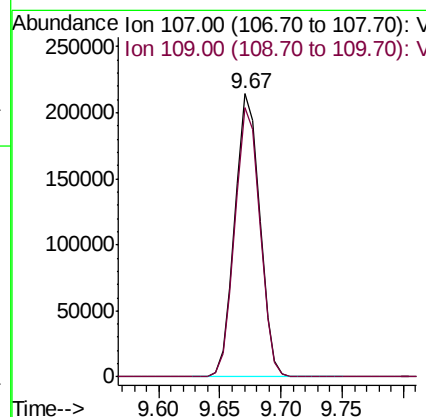
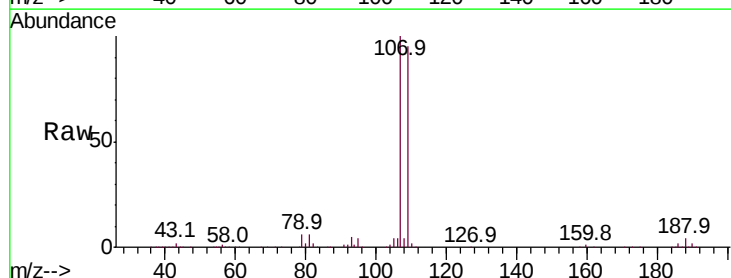
Manual Integrations
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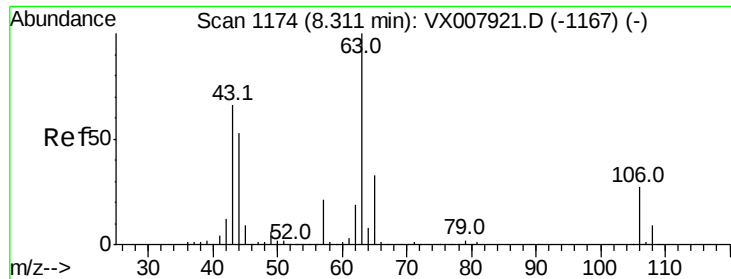
MMDadoda
3/11/2019 9:30:57 AM



#54
1,2-Dibromoethane
Concen: 96.312 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion:107 Resp: 301638
Ion Ratio Lower Upper
107 100
109 95.5 76.6 115.0





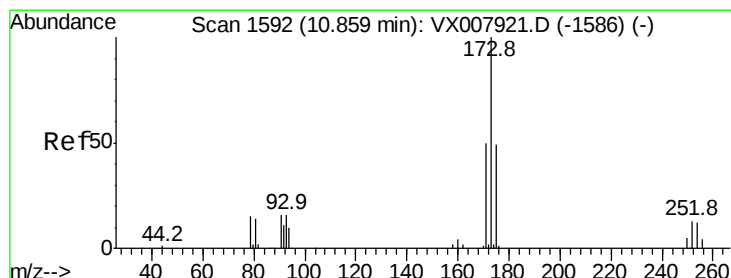
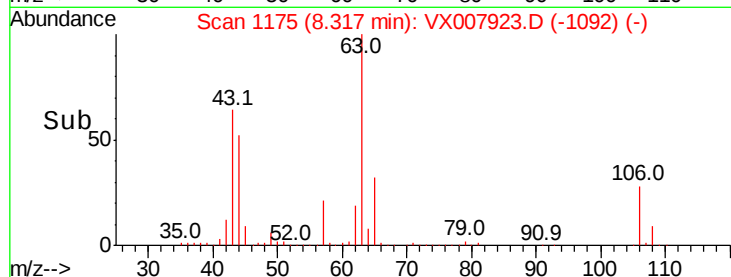
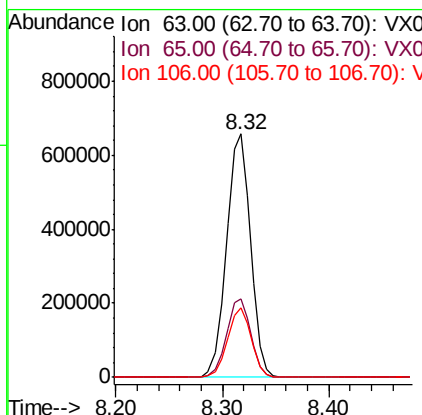
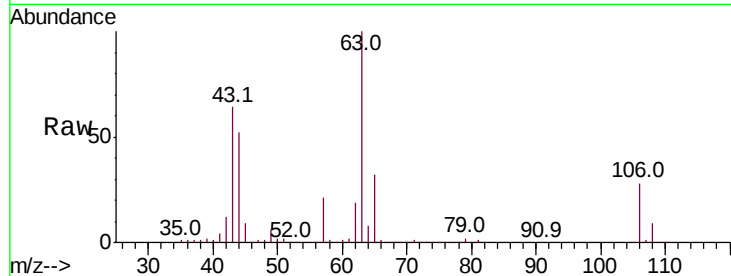
#55
2-Chloroethyl vinyl ether
Concen: 495.540 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1038544
Ion Ratio Lower Upper
63 100
65 32.4 25.7 38.5
106 28.1 23.7 35.5

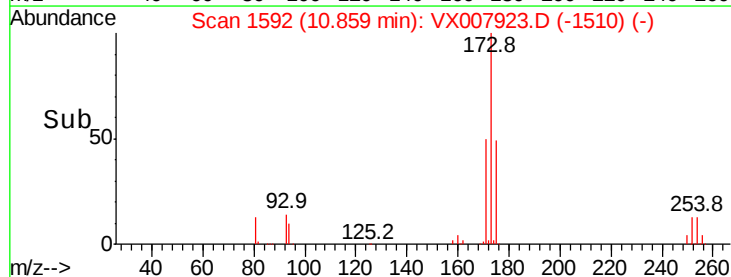
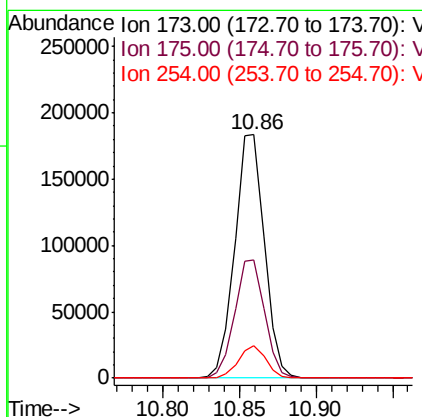
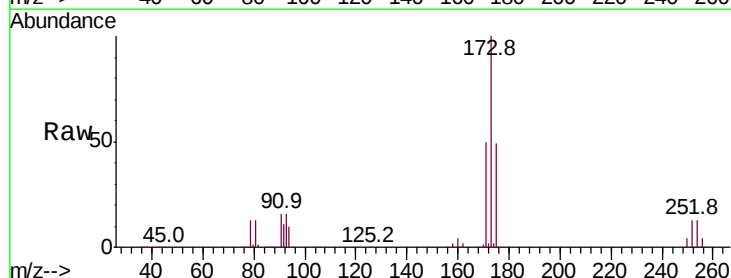
Manual Integrations
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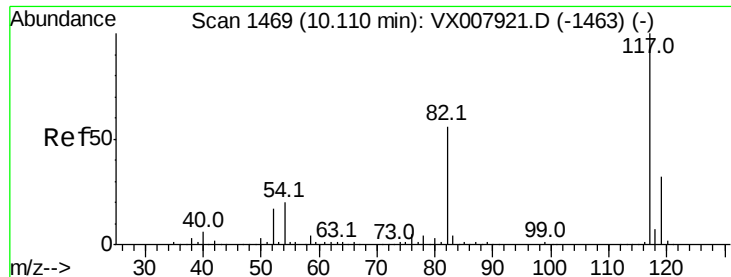
MMDadoda
3/11/2019 9:30:57 AM



#56
Bromoform
Concen: 104.919 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 173 Resp: 247371
Ion Ratio Lower Upper
173 100
175 48.9 38.5 57.7
254 12.4 7.4 11.2#





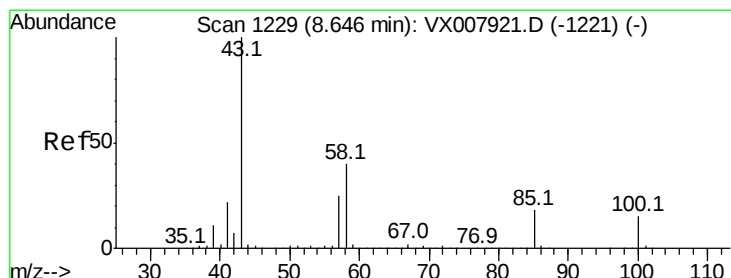
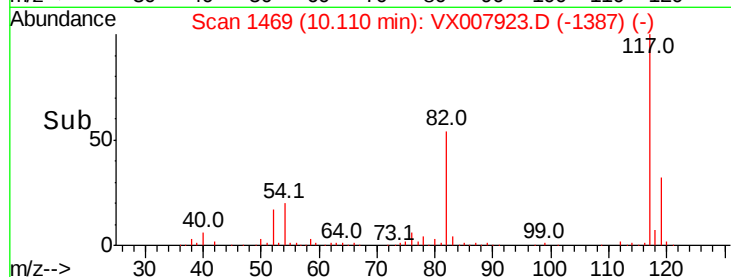
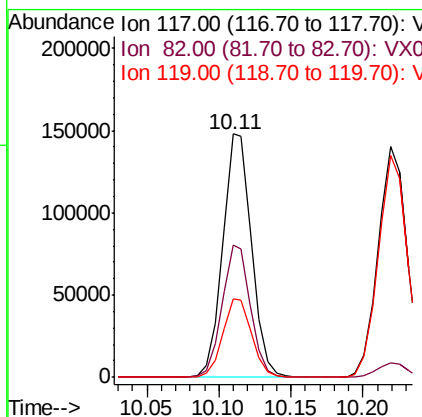
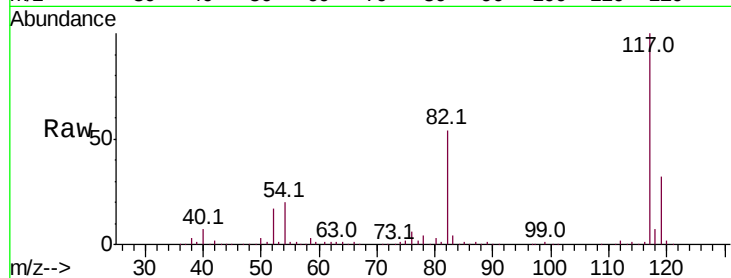
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	40.4	60.6
119	32.3	25.8	38.6

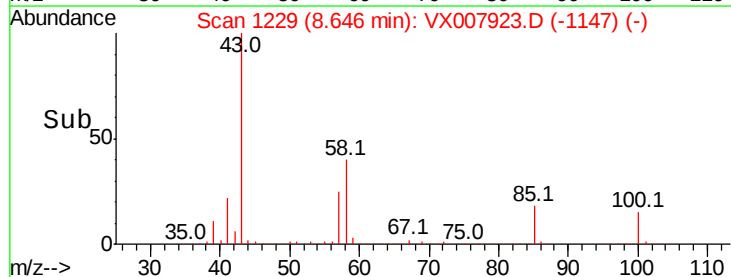
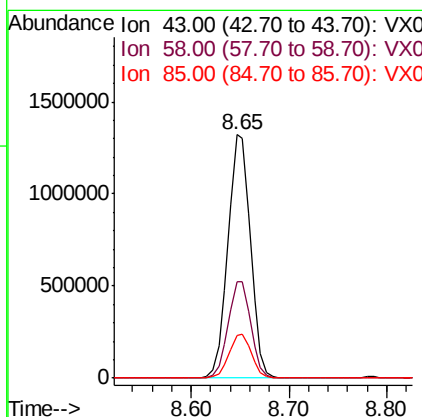
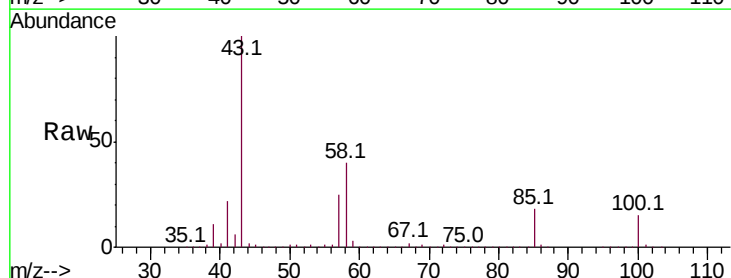
Manual Integrations
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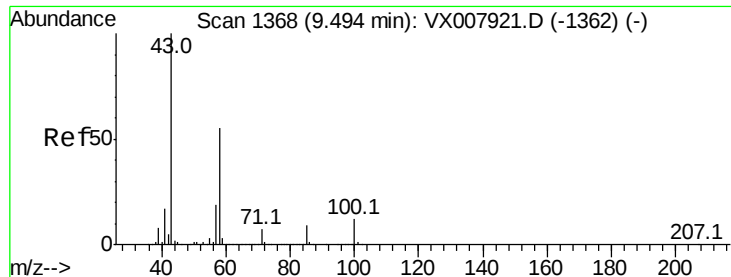
MMDadoda
3/11/2019 9:30:57 AM



#58
4-Methyl-2-Pentanone
Concen: 481.340 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.0
85	18.0	15.0	22.6





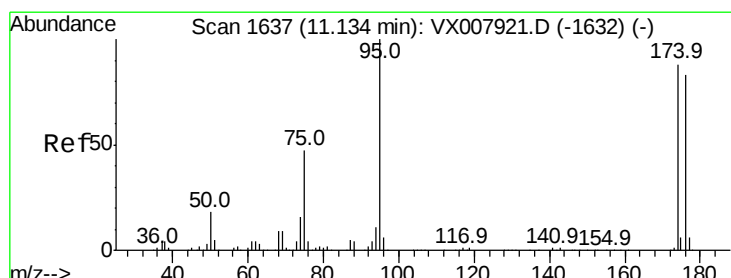
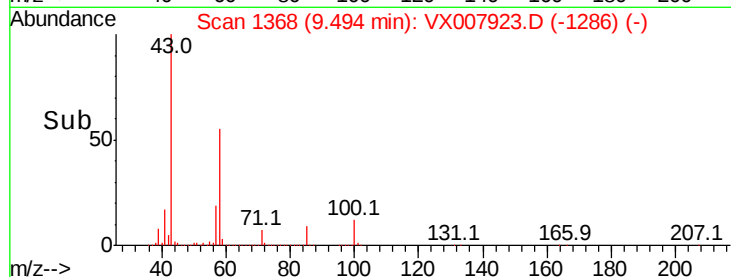
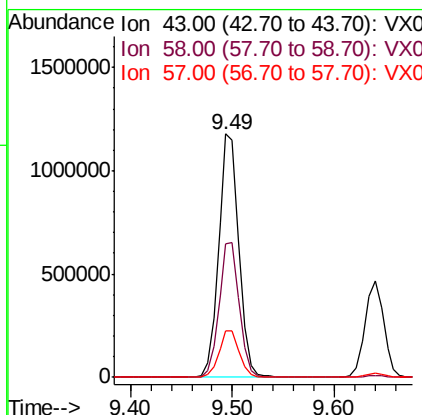
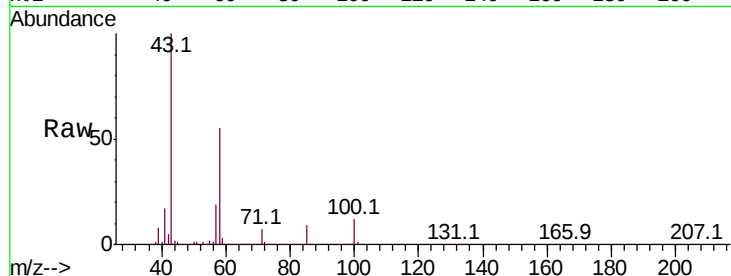
#59
2-Hexanone
Concen: 465.561 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1628440
Ion Ratio Lower Upper
43 100
58 55.7 43.9 65.9
57 19.3 14.9 22.3

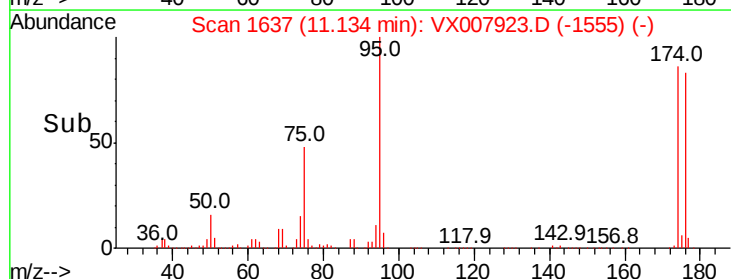
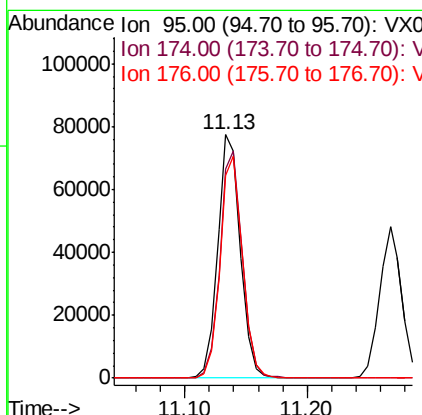
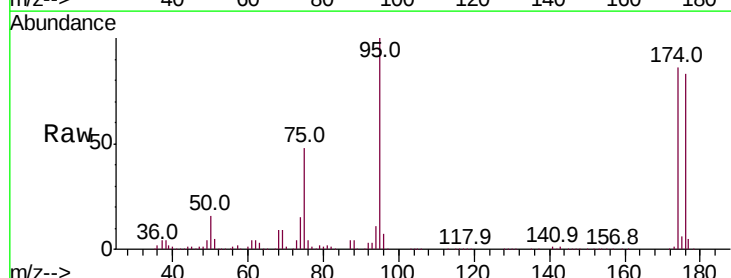
Manual Integrations
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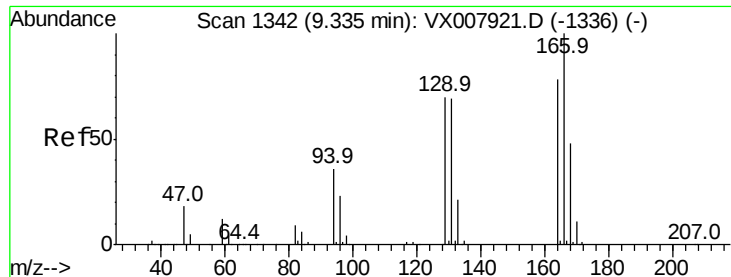
MMDadoda
3/11/2019 9:30:57 AM



#60
4-Bromofluorobenzene
Concen: 30.115 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 95 Resp: 99625
Ion Ratio Lower Upper
95 100
174 92.0 74.9 112.3
176 90.0 70.7 106.1





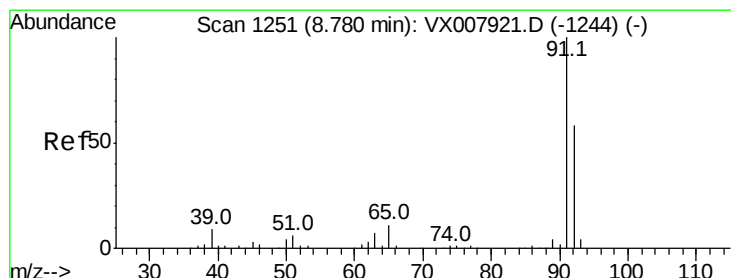
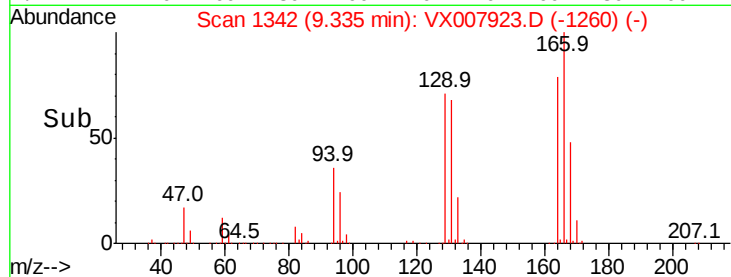
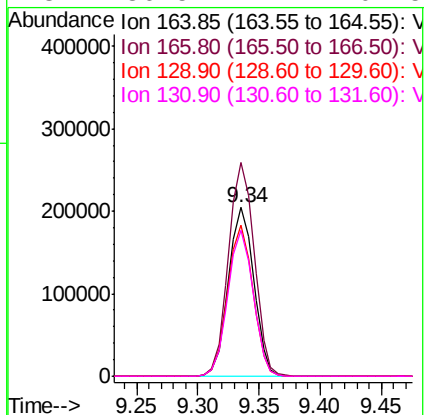
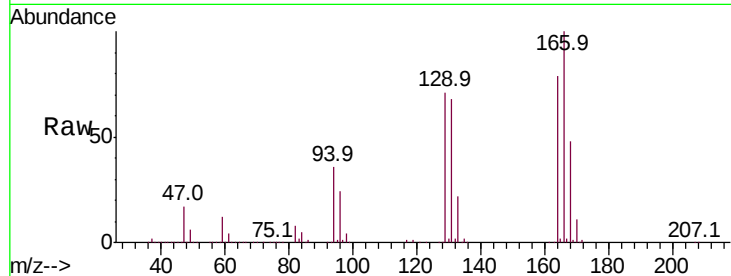
#61
 Tetrachloroethene
 Concen: 93.836 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	164	Resp:	294105
Ion Ratio	Lower	Upper	
164	100		
166	126.7	103.9	155.9
129	89.6	74.7	112.1
131	86.5	71.7	107.5

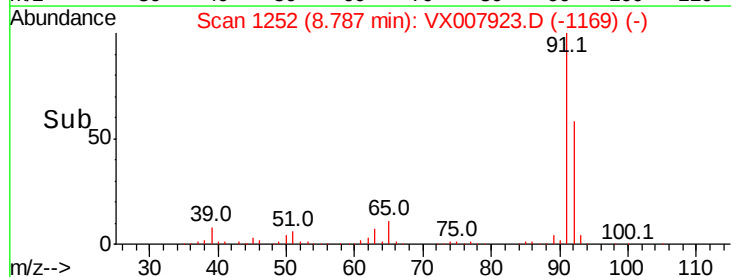
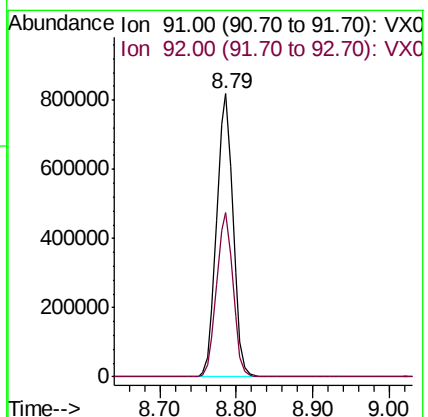
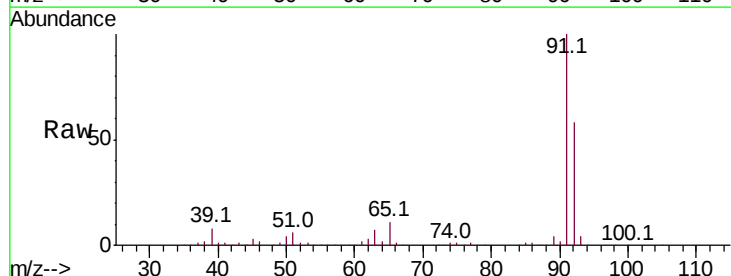
Manual Integrations
 APPROVED

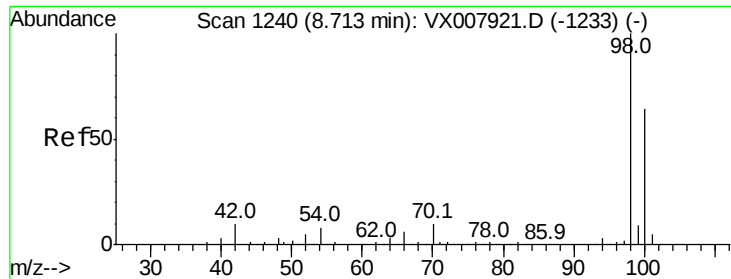
MMDadoda
 3/11/2019 9:30:57 AM



#62
 Toluene
 Concen: 99.452 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion:	91	Resp:	1217543
Ion Ratio	Lower	Upper	
91	100		
92	58.1	46.4	69.6





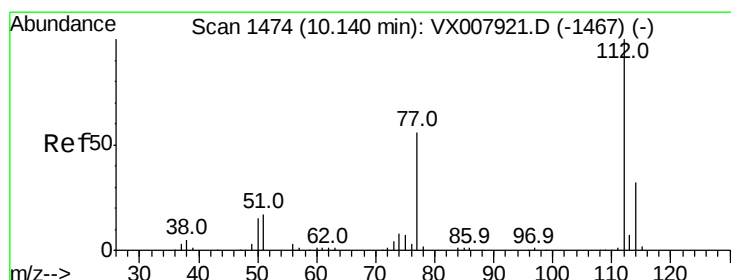
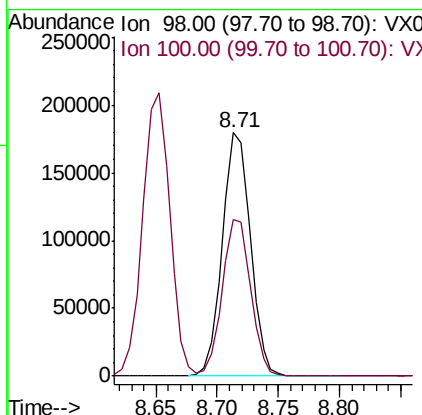
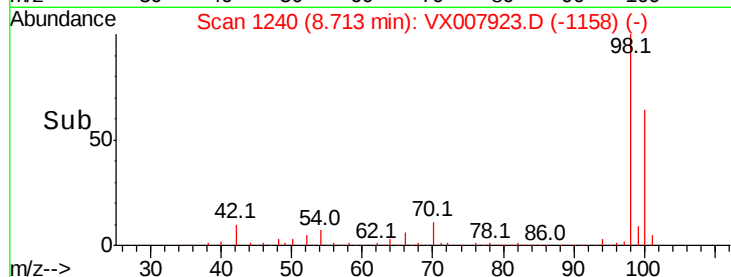
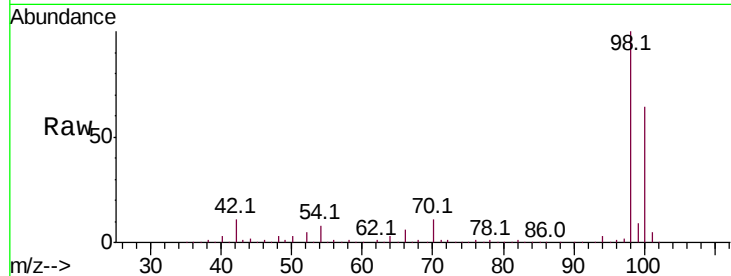
#63
Toluene-d8
Concen: 30.260 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 287325
Ion Ratio Lower Upper
98 100
100 64.9 50.9 76.3

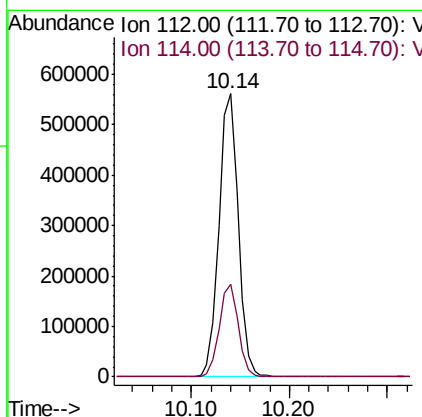
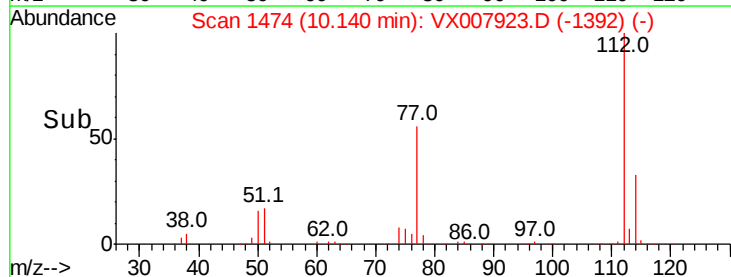
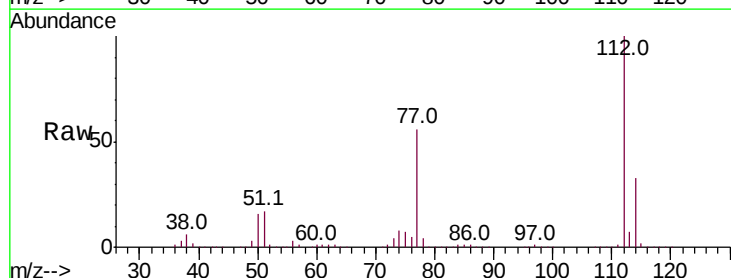
Manual Integrations
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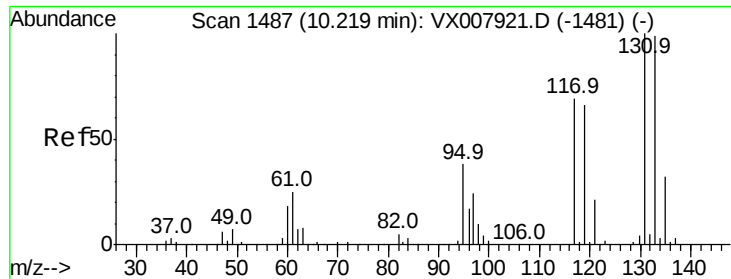
MMDadoda
3/11/2019 9:30:57 AM



#64
Chlorobenzene
Concen: 98.060 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 112 Resp: 769704
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 104.214 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

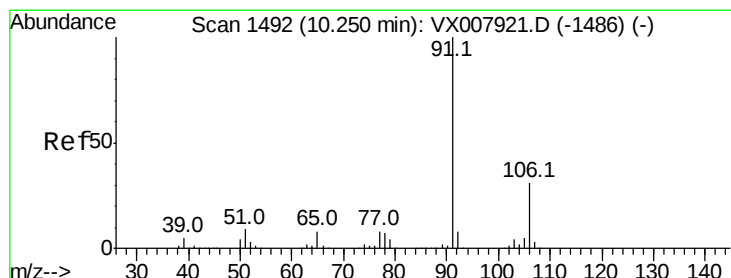
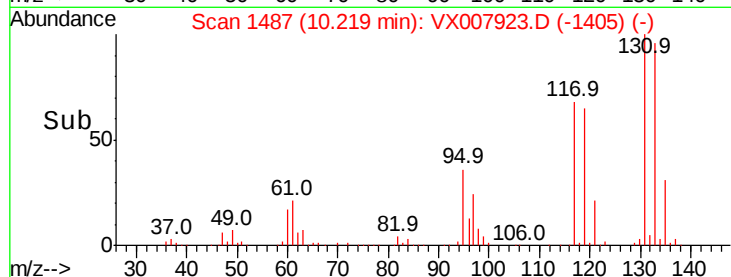
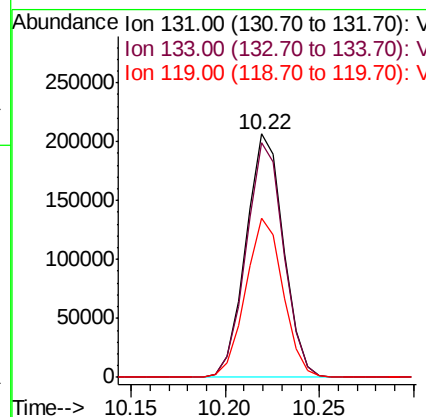
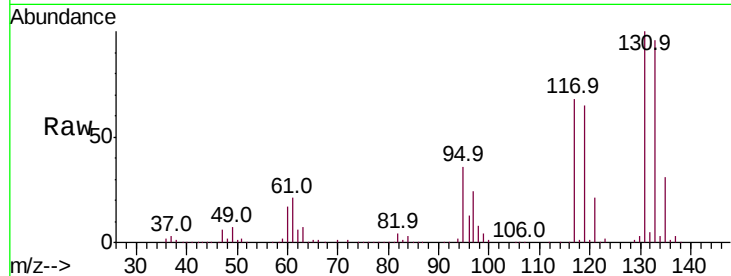
ClientSampled :

VSTDIC100

Tot Ion:	131	Resp:	285555
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	191.6
119	65.0	0.0	127.4

Manual Integrations
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3/11/2019 9:30:57 AM



#66

Ethyl Benzene

Concen: 101.226 ug/l

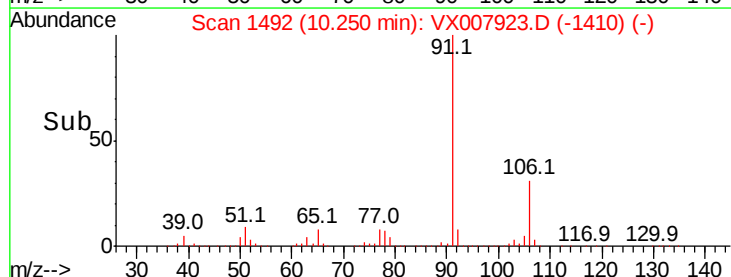
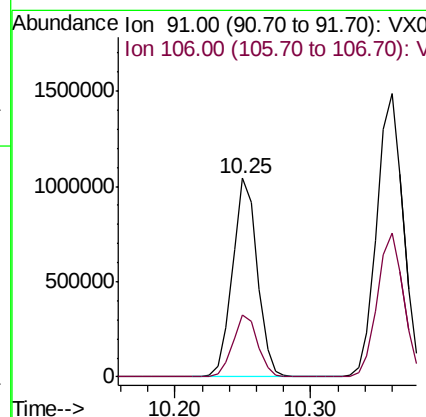
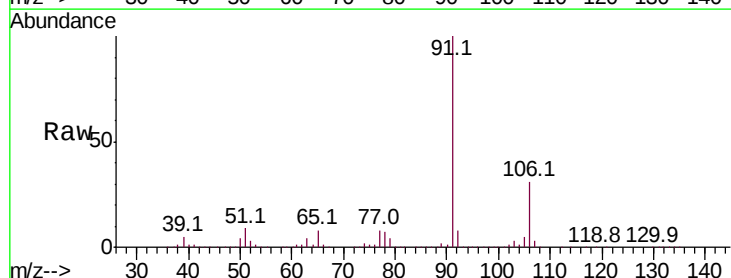
RT: 10.25 min Scan# 1492

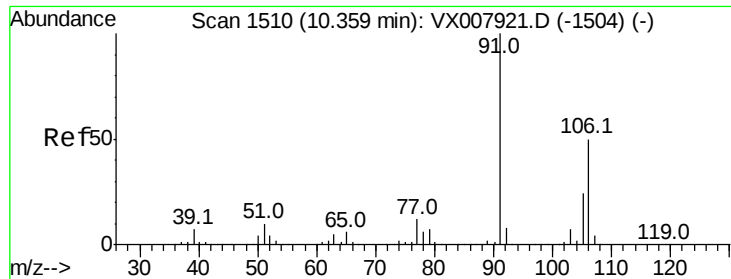
Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Tgt Ion:	91	Resp:	1321902
Ion Ratio	Lower	Upper	
91	100		
106	31.3	26.0	39.0





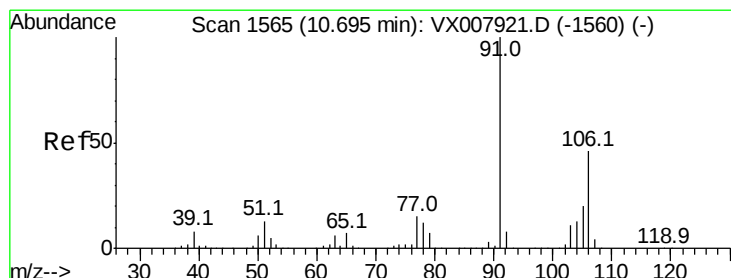
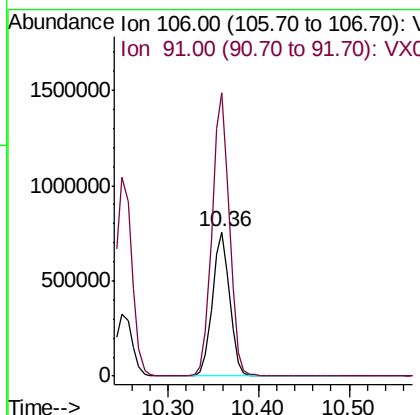
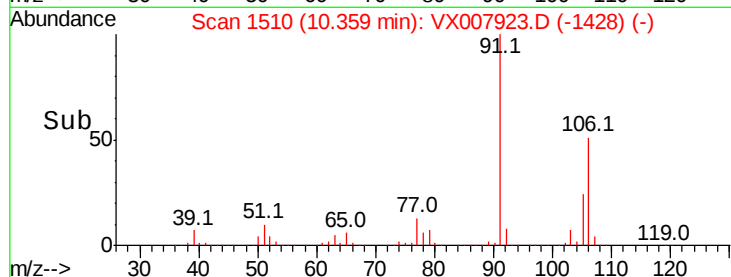
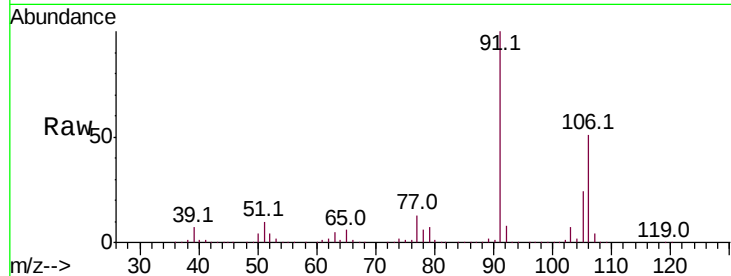
#67
m/p-Xvlenes
Concen: 201.580 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1011585
Ion Ratio Lower Upper
106 100
91 199.0 157.0 235.4

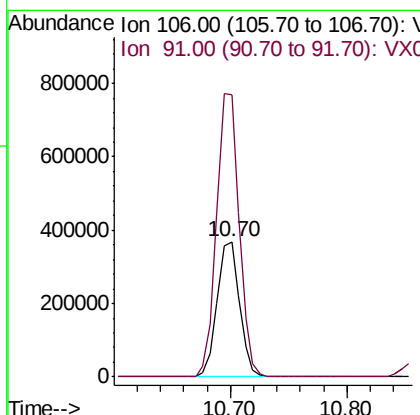
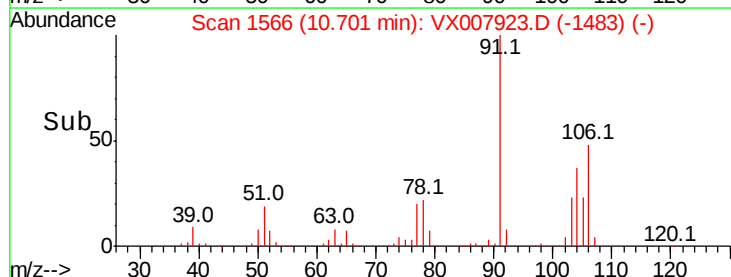
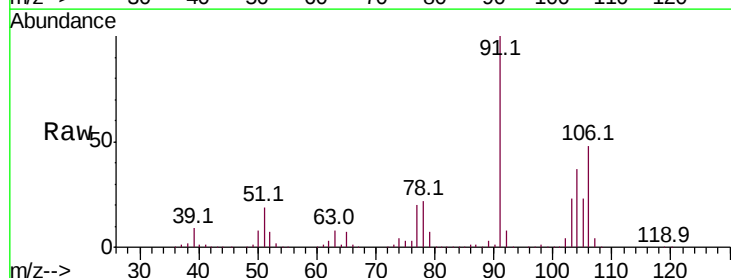
Manual Integrations
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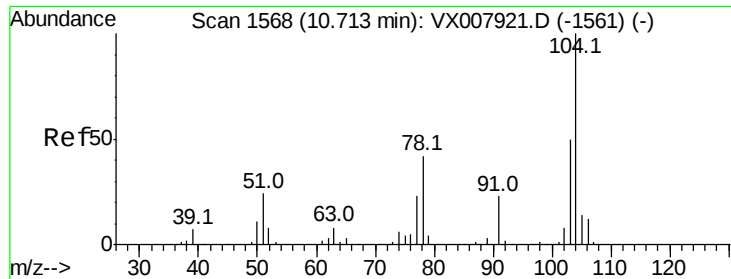
MMDadoda
3/11/2019 9:30:57 AM



#68
o-Xylene
Concen: 99.729 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion:106 Resp: 486992
Ion Ratio Lower Upper
106 100
91 211.7 104.4 313.2





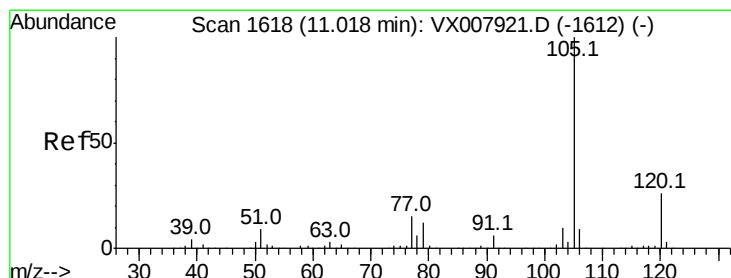
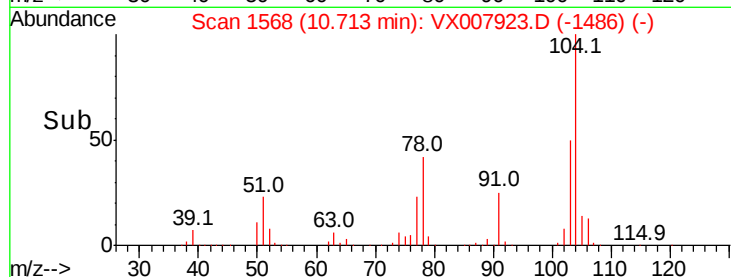
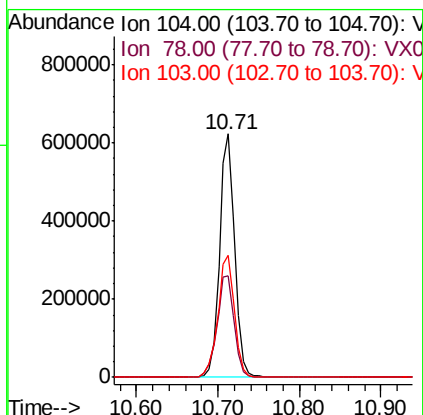
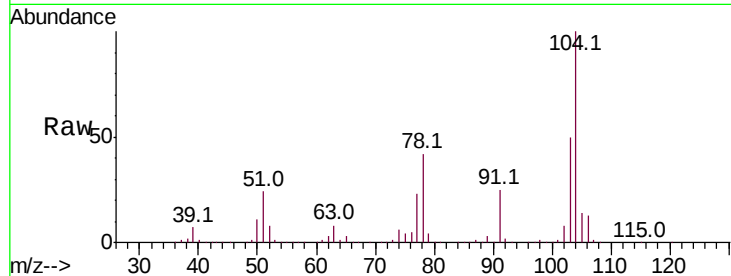
#69
Stvrene
Concen: 101.004 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.2
103	55.4	45.0	67.4

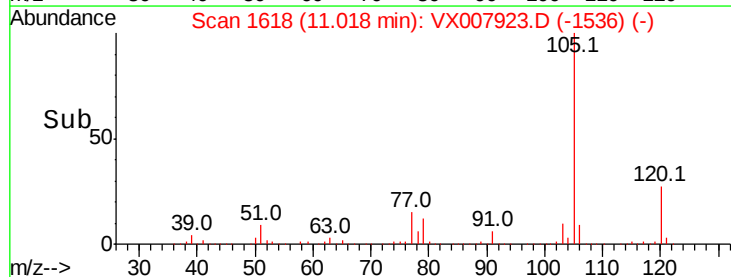
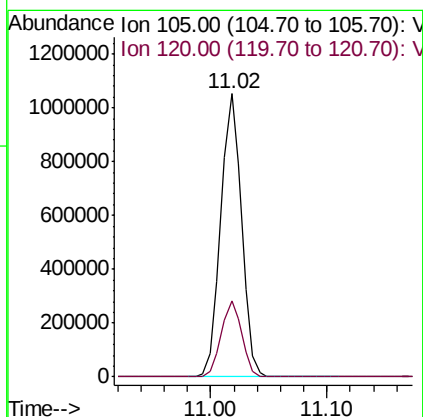
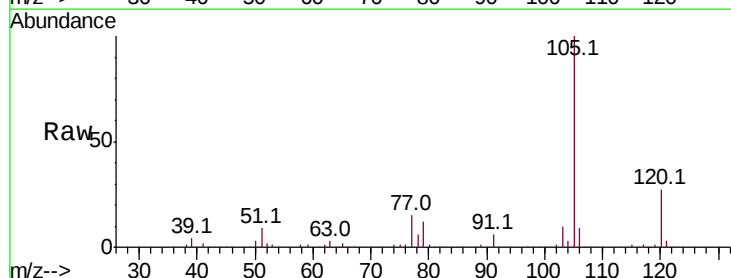
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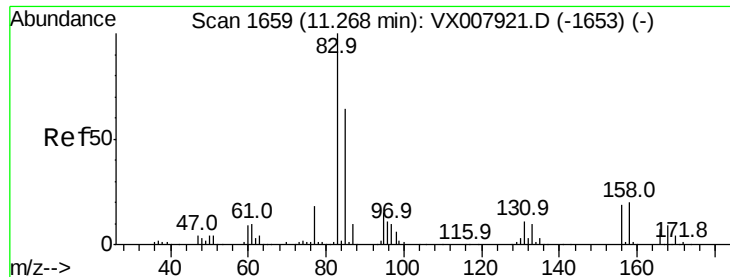
MMDadoda
3/11/2019 9:30:57 AM



#70
Isopropylbenzene
Concen: 98.943 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	19.8	36.8





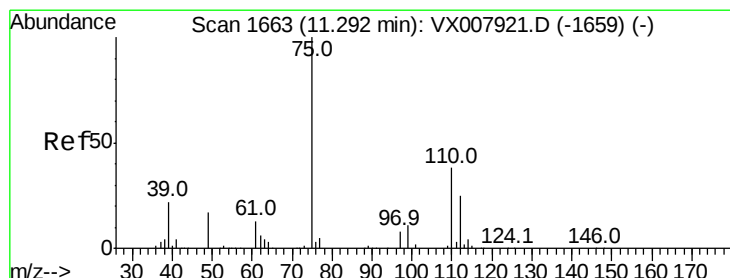
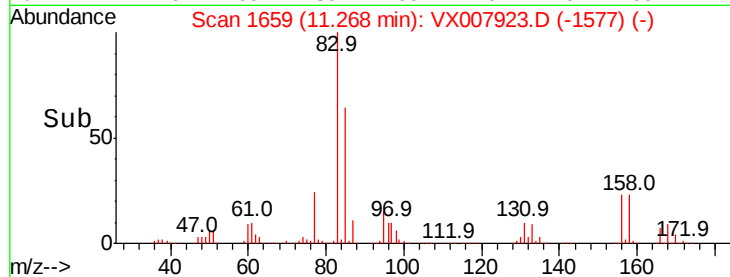
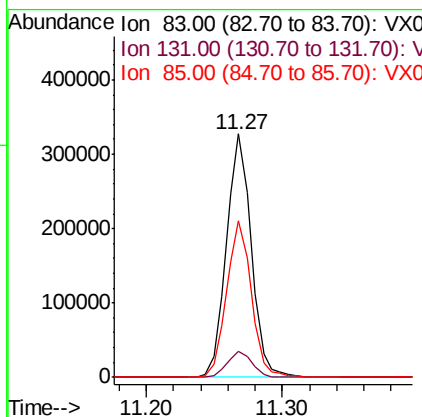
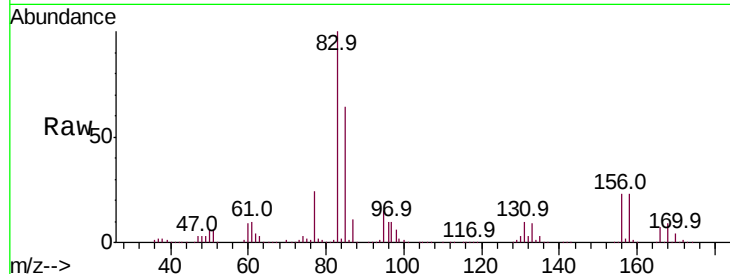
#71
 1,1,2,2-Tetrachloroethane
 Concen: 94.642 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:	83	Resp:	415102
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.2	32.8	98.4

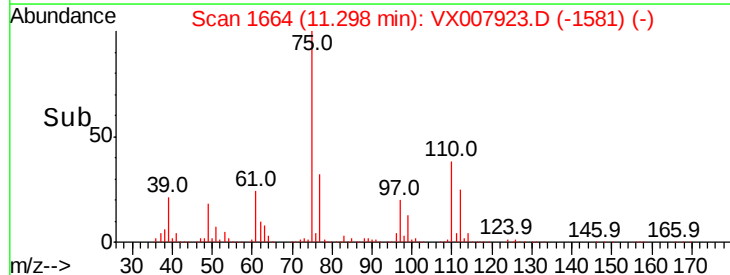
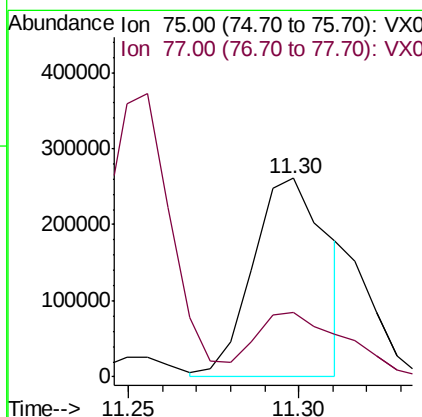
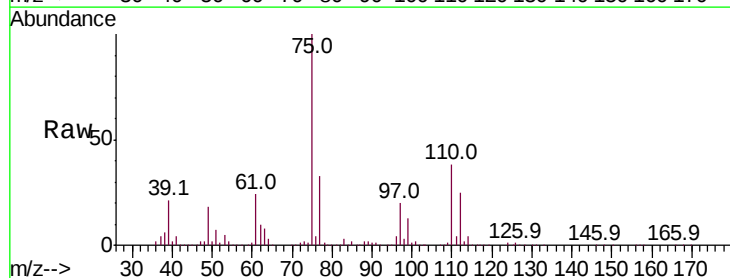
Manual Integrations
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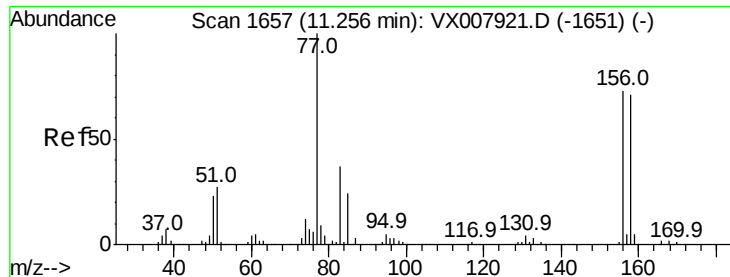
MMDadoda
 3/11/2019 9:30:57 AM



#72
 1,2,3-Trichloropropane
 Concen: 95.885 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion:	75	Resp:	396786
Ion Ratio	Lower	Upper	
75	100		
77	38.9	0.0	76.4





#73

Bromobenzene

Concen: 97.802 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

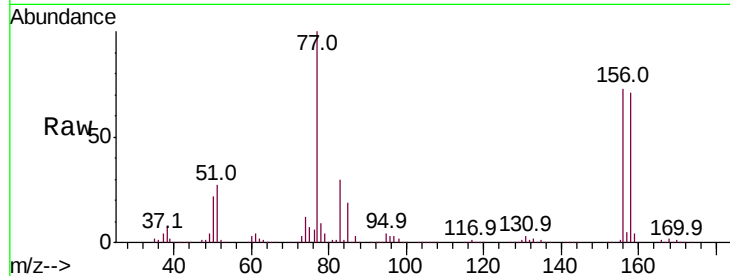
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.9	0.0	271.4
158	97.8	0.0	194.0

Manual Integrations
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3/11/2019 9:30:57 AM

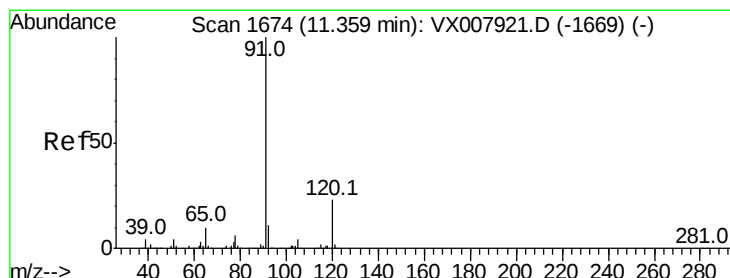
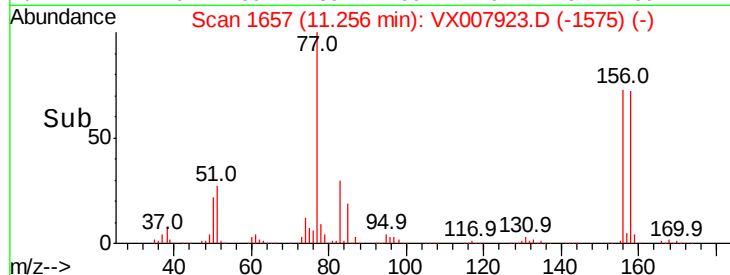
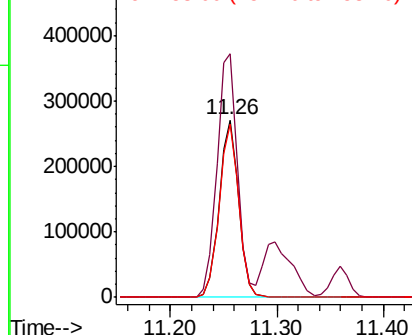


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 98.905 ug/l

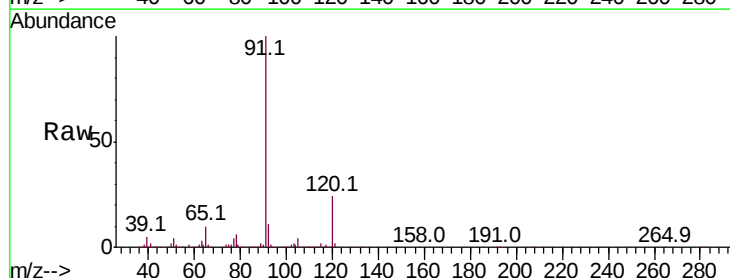
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

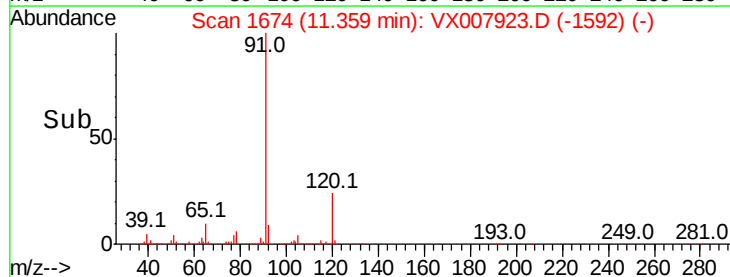
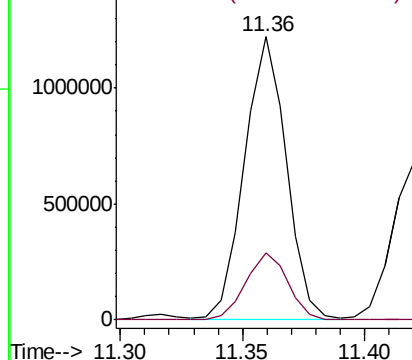
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	0.0	48.6

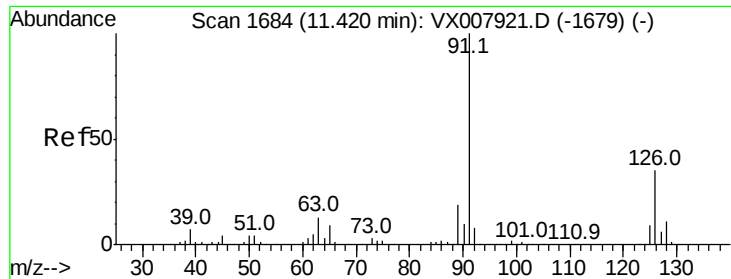


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 96.046 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 858944

Ion Ratio Lower Upper

91 100

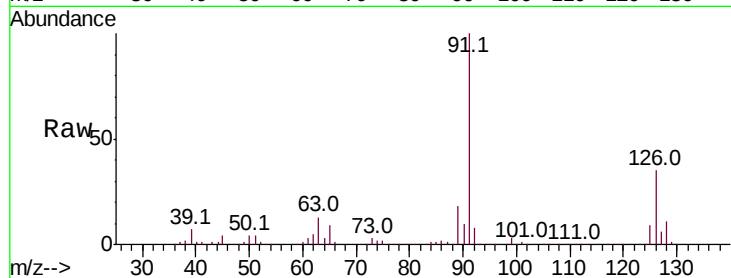
126 34.8 0.0 75.2

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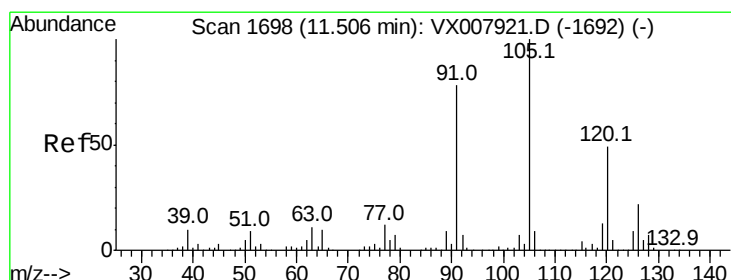
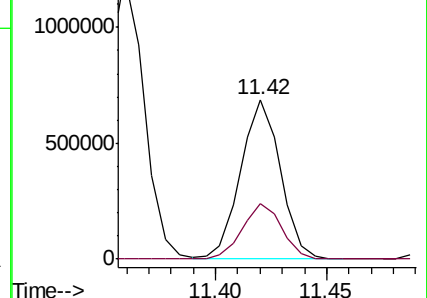
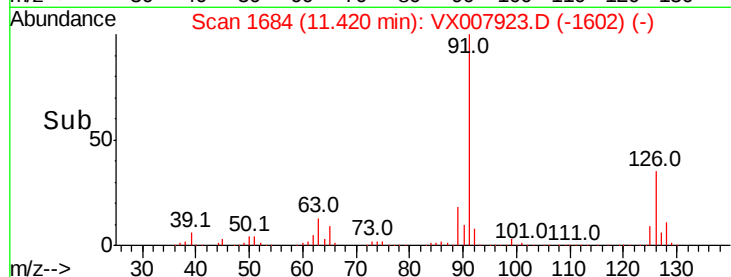
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 98.568 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007923.D

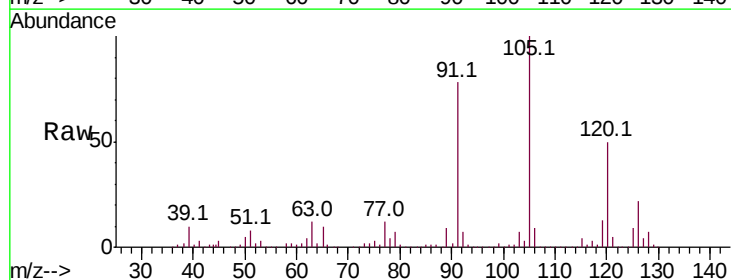
Acq: 08 Mar 2019 11:13

Tgt Ion: 105 Resp: 1069267

Ion Ratio Lower Upper

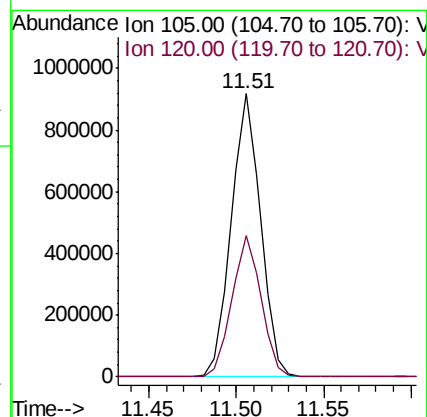
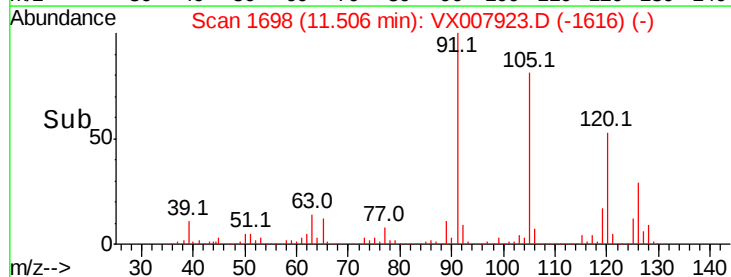
105 100

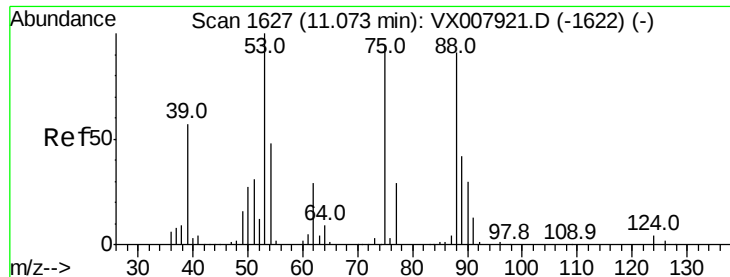
120 49.7 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007923.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX007923.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 121.649 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007923.D

Acq: 08 Mar 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 138746

Ion Ratio Lower Upper

75 100

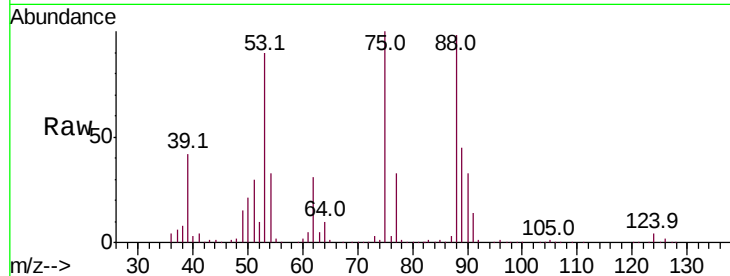
53 89.9 55.5 166.7

89 45.1 24.4 73.2

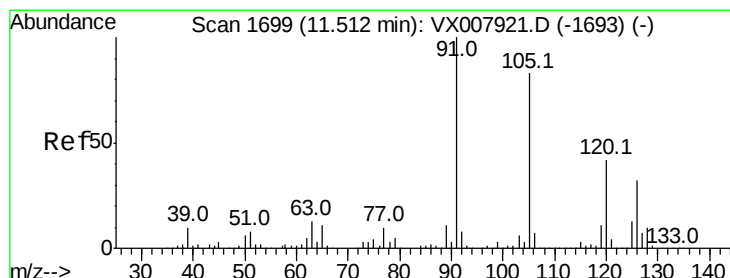
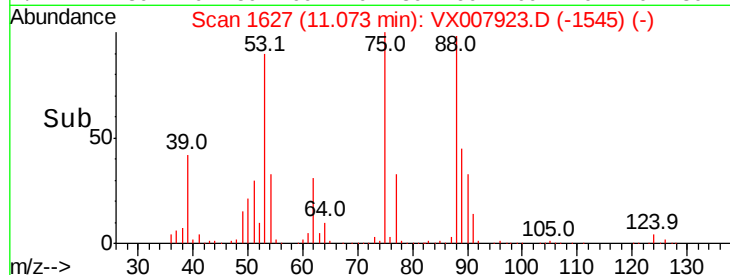
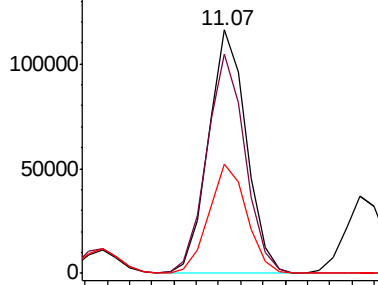
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 99.857 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007923.D

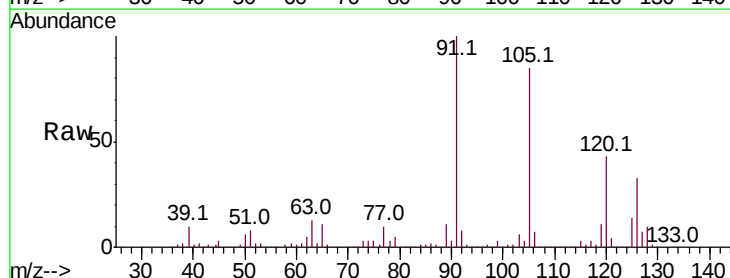
Acq: 08 Mar 2019 11:13

Tgt Ion: 91 Resp: 994455

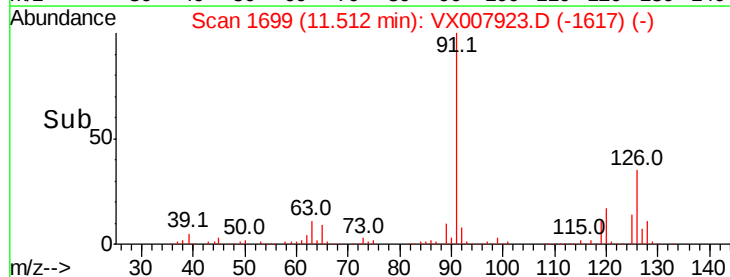
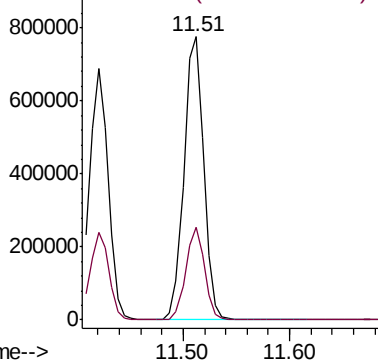
Ion Ratio Lower Upper

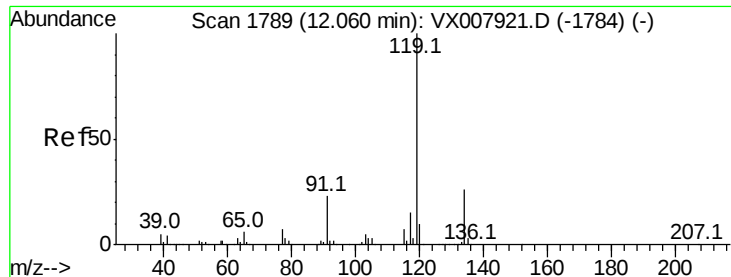
91 100

126 31.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





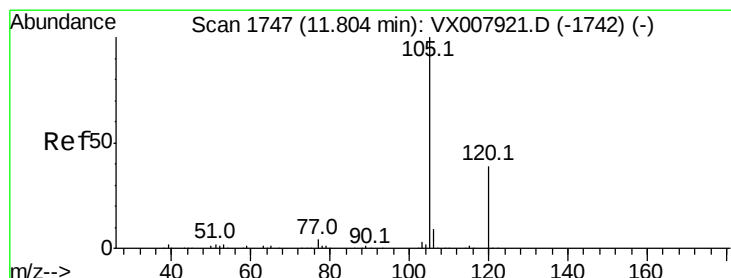
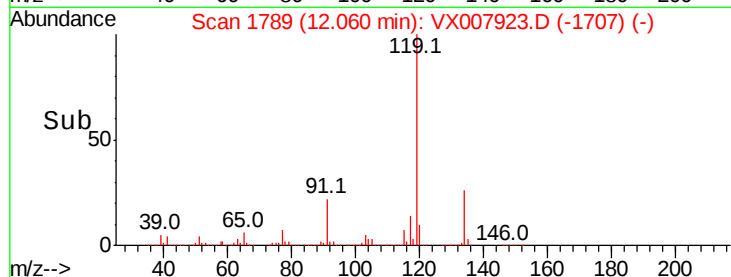
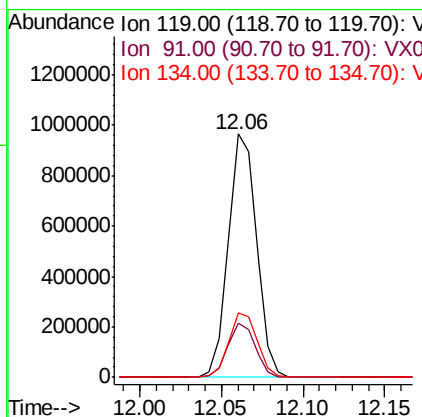
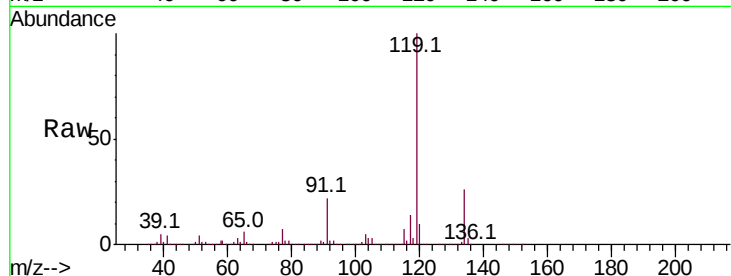
#79
tert-butylbenzene
Concen: 100.616 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	21.9	0.0	45.0
134	26.4	0.0	55.4

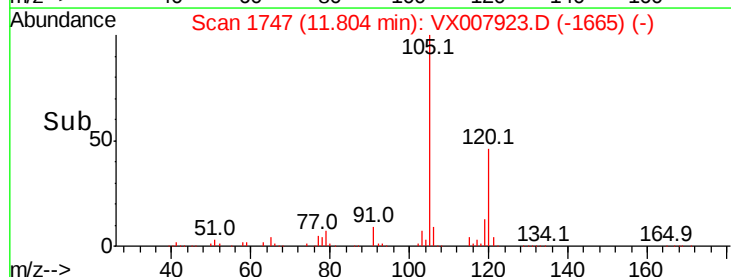
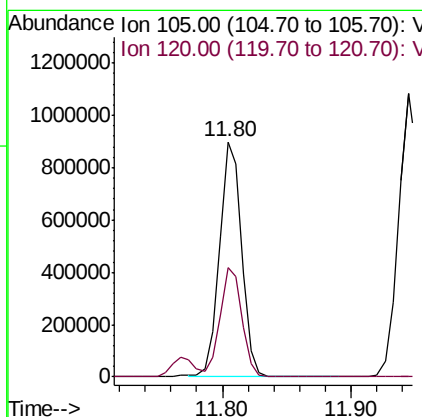
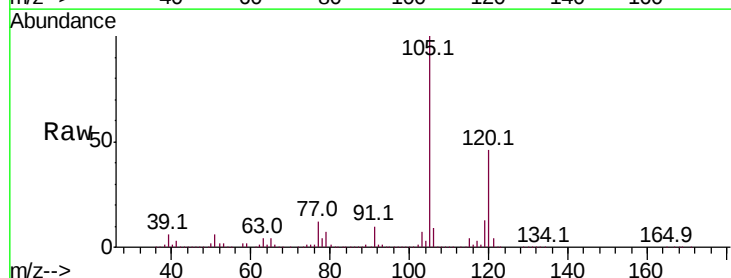
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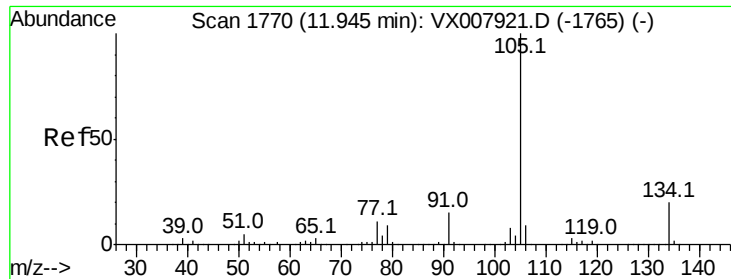
MMDadoda
3/11/2019 9:30:57 AM



#80
1,2,4-Trimethylbenzene
Concen: 98.956 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	0.0	94.0





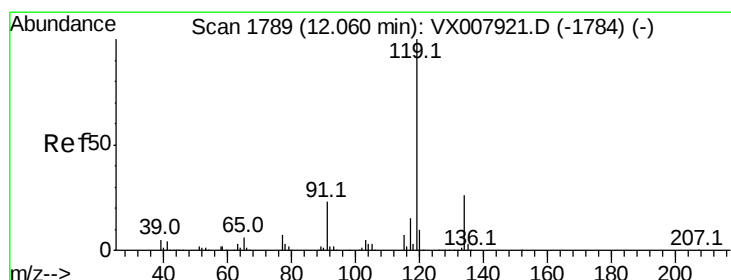
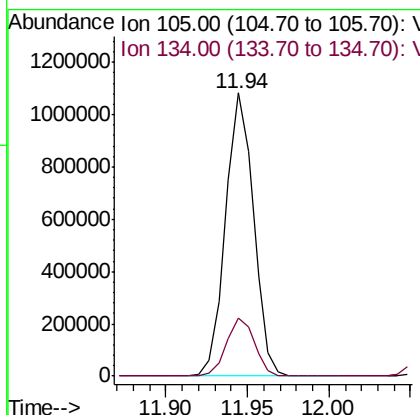
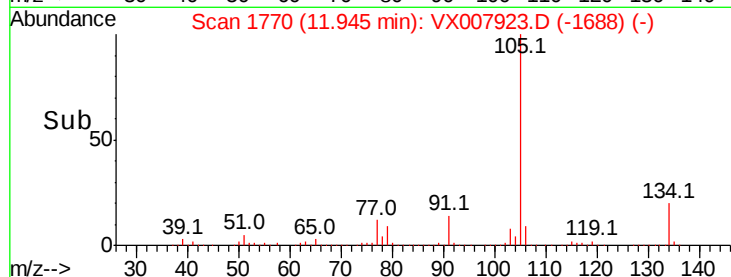
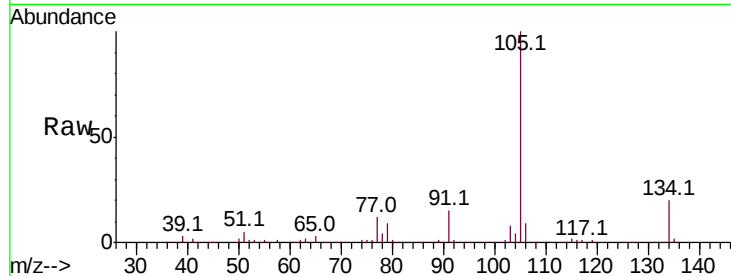
#81
 sec-Butylbenzene
 Concen: 99.457 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1292337
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 41.8

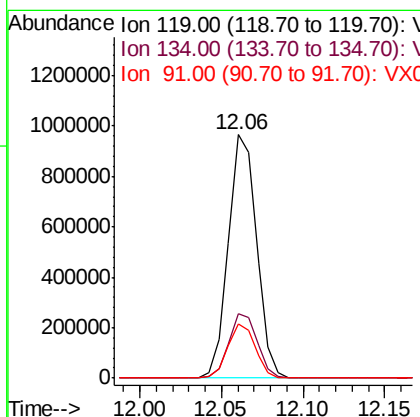
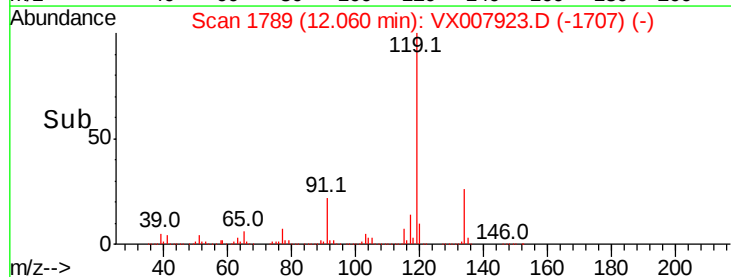
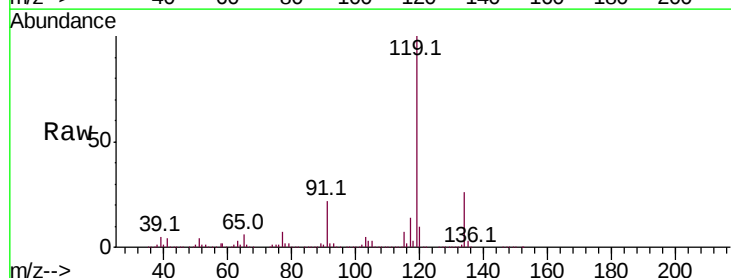
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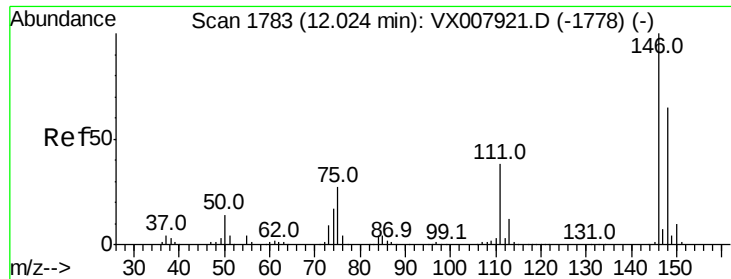
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 100.616 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion:119 Resp: 1162420
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 55.4
 91 21.9 0.0 45.0





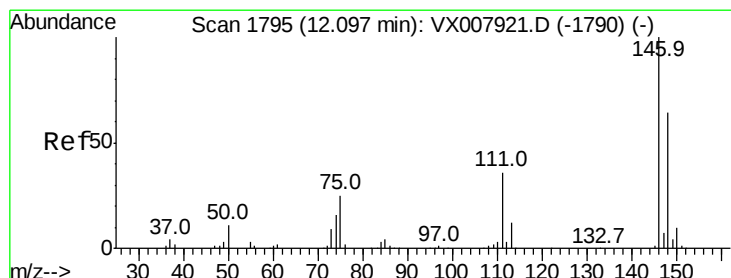
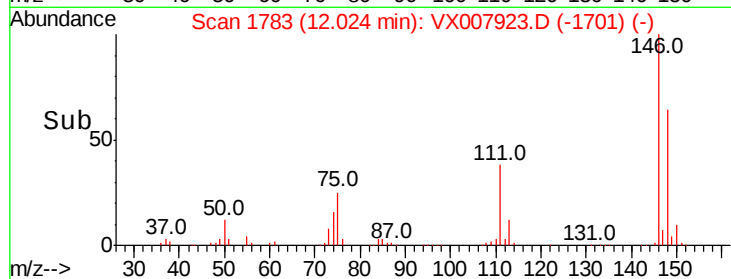
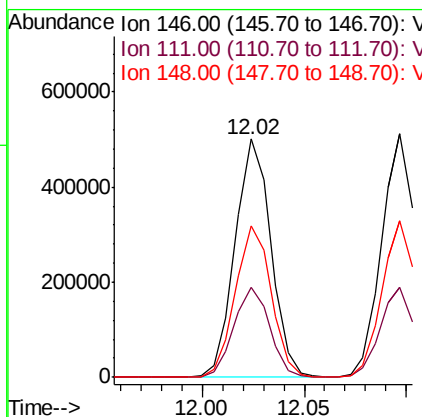
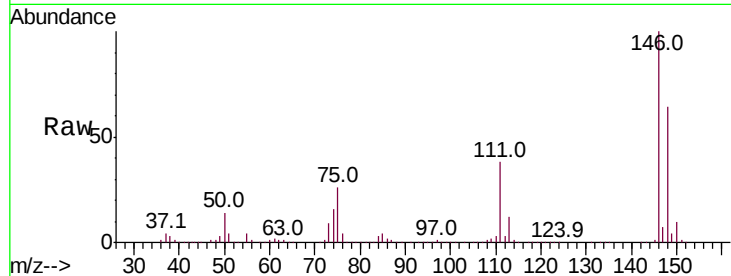
#83
 1,3-Dichlorobenzene
 Concen: 98.941 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	63.9	30.6	91.8

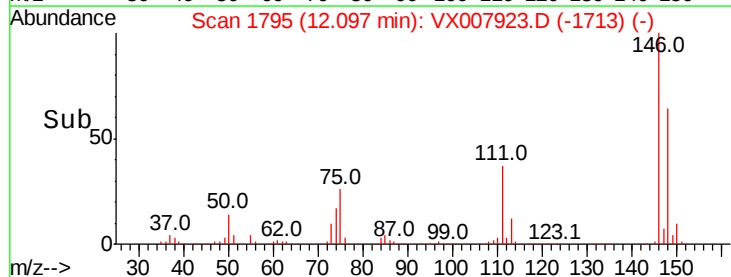
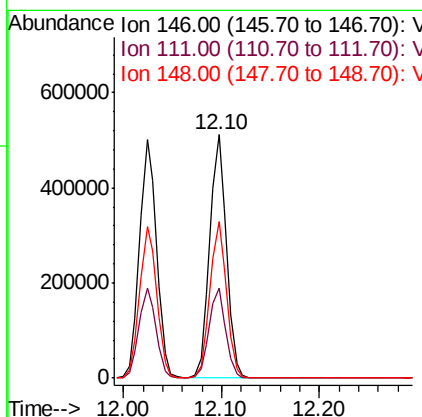
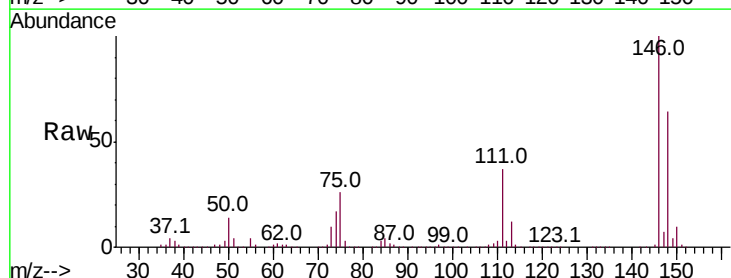
Manual Integrations
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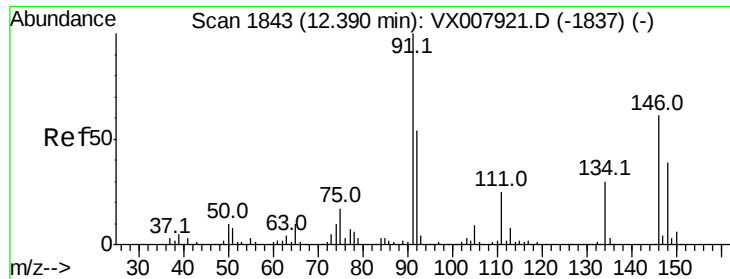
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#84
 1,4-Dichlorobenzene
 Concen: 98.466 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.6	52.8
148	63.8	31.4	94.2





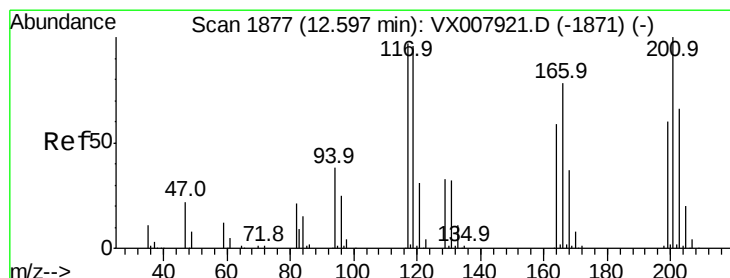
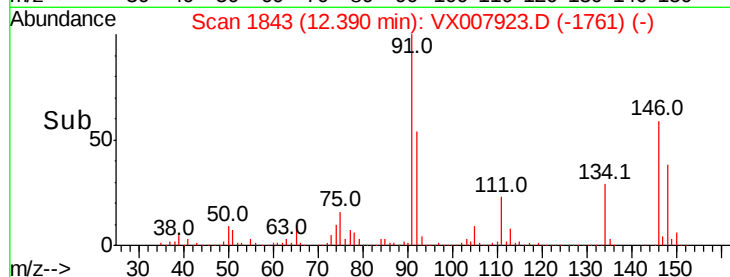
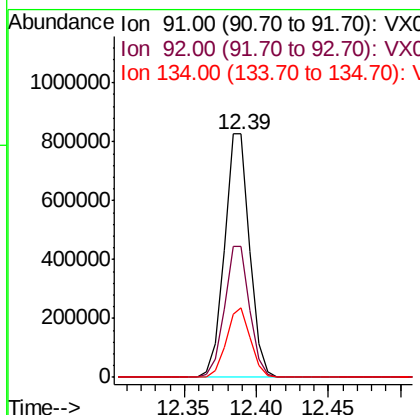
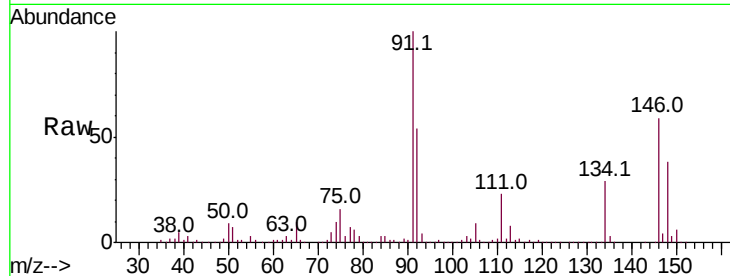
#85
n-Butylbenzene
Concen: 105.379 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1017494
Ion Ratio Lower Upper
91 100
92 53.5 0.0 105.2
134 27.6 0.0 56.4

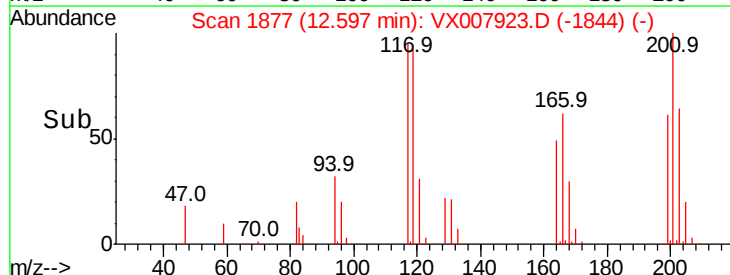
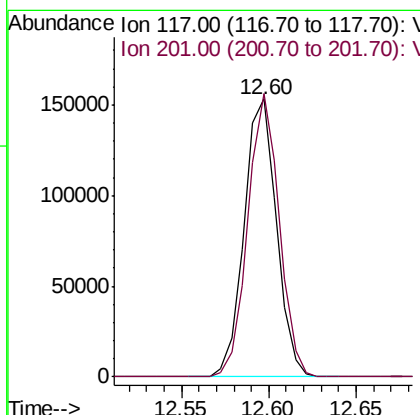
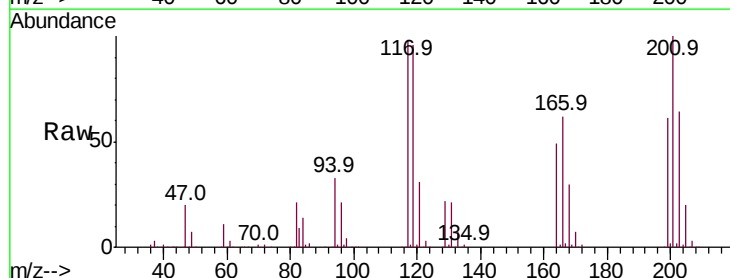
Manual Integrations
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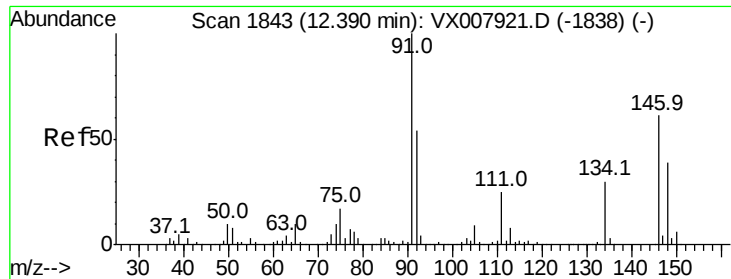
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#86
Hexachloroethane
Concen: 108.752 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion: 117 Resp: 197005
Ion Ratio Lower Upper
117 100
201 98.7 41.1 123.3





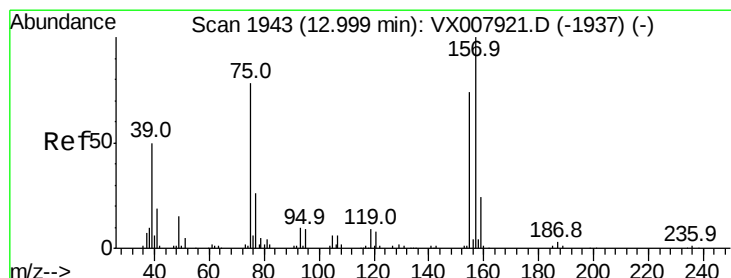
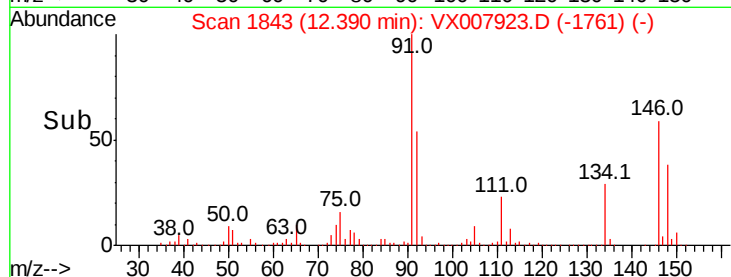
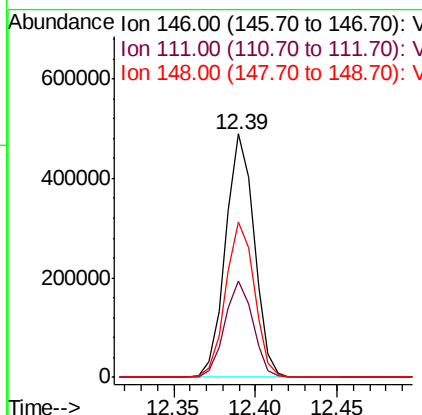
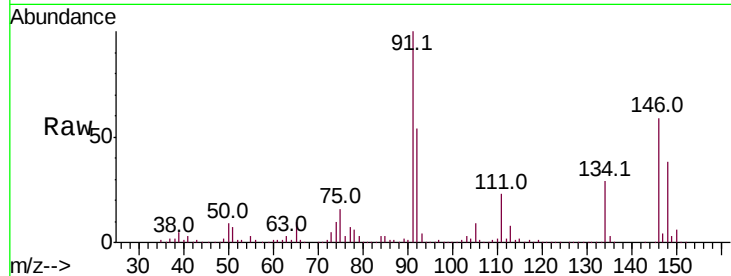
#87
 1,2-Dichlorobenzene
 Concen: 97.222 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.2	32.1	96.3

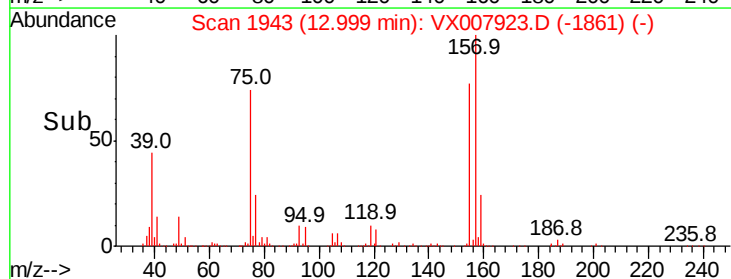
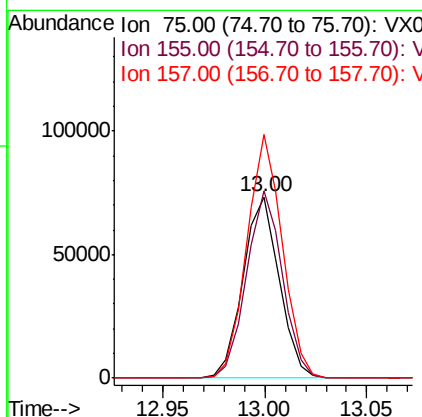
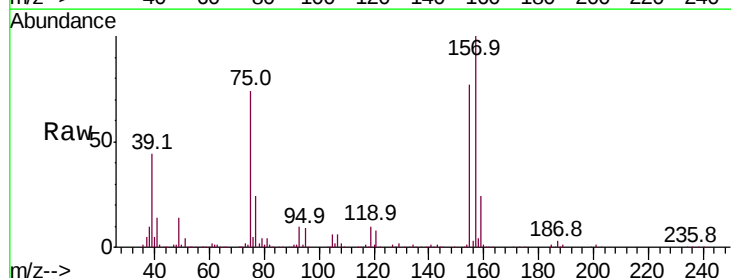
Manual Integrations
 APPROVED

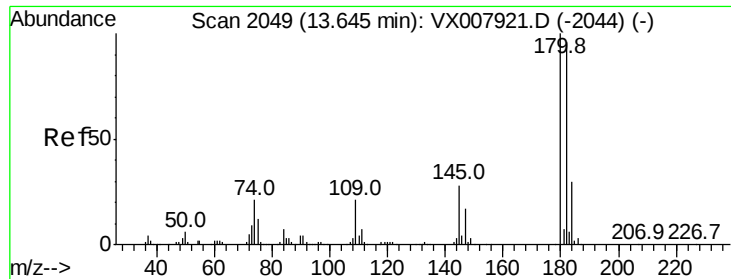
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 3/11/2019 9:30:57 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 106.393 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007923.D
 Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	81.0	121.6
157	132.1	103.2	154.8





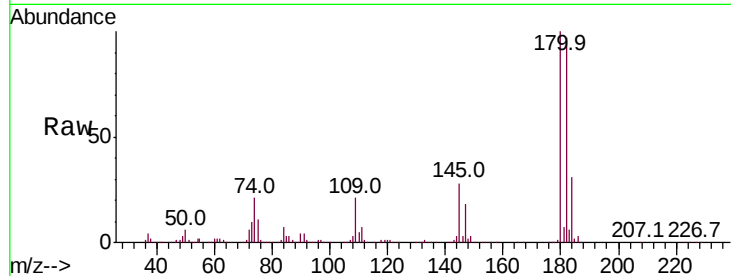
#89
1,2,4-Trichlorobenzene
Concen: 104.576 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	446425		
182	96.1	75.6	113.4	
145	28.4	23.0	34.6	

Manual Integrations
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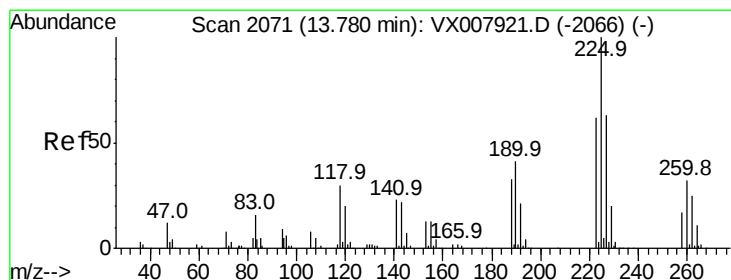
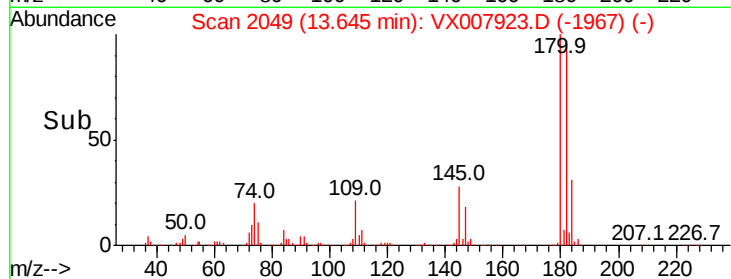
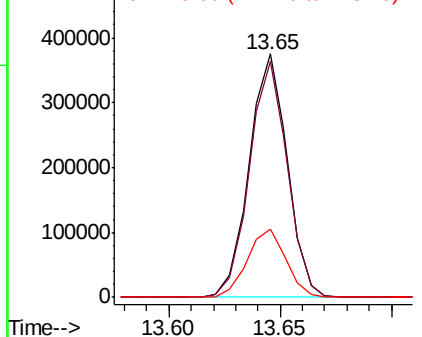


Abundance

Ion 180.00 (179.70 to 180.70): V

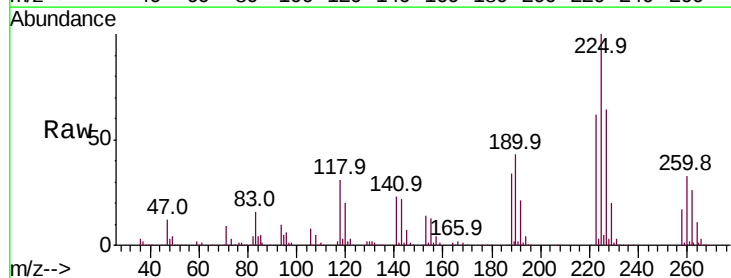
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 97.408 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	236605		
223	62.7	0.0	123.8	
227	63.8	0.0	124.4	

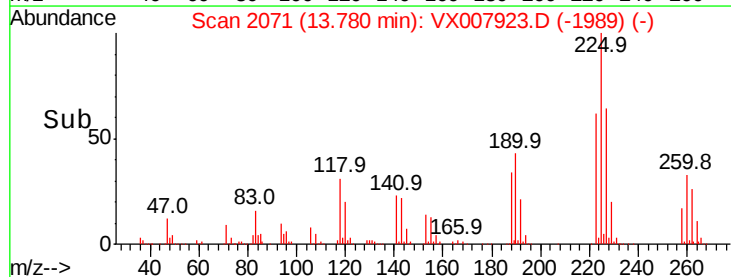
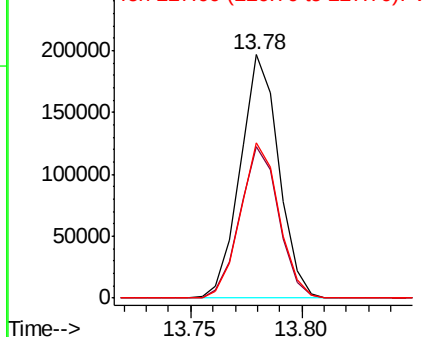


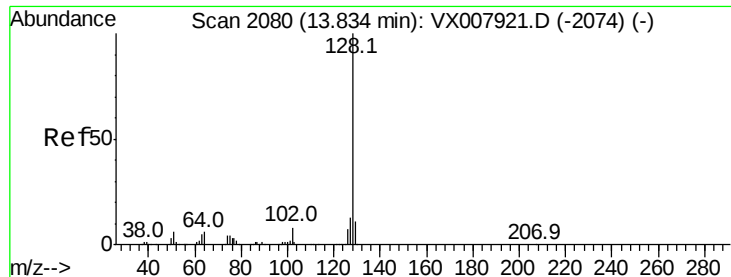
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





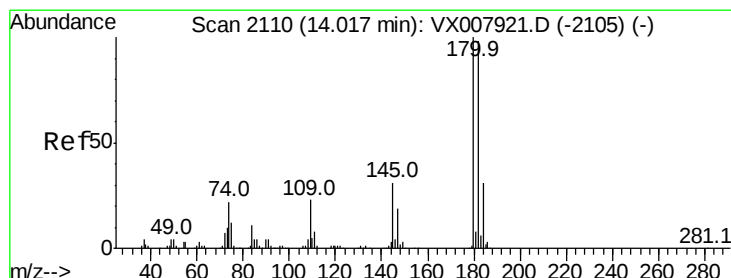
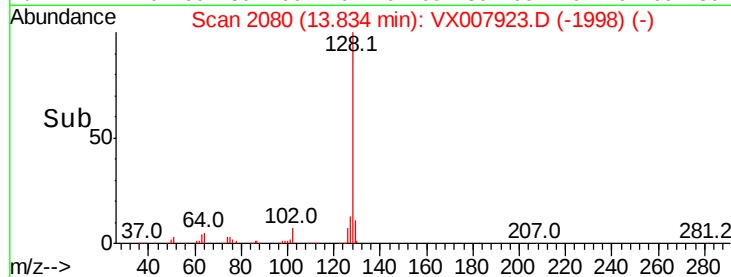
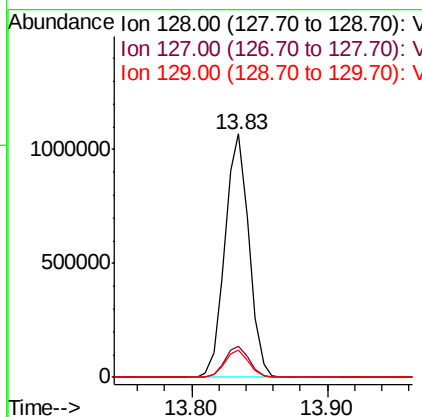
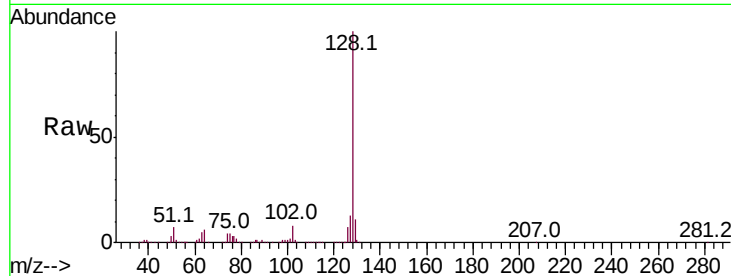
#91
Naphthalene
Concen: 107.568 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:57 AM



#92
1,2,3-Trichlorobenzene
Concen: 103.504 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007923.D
Acq: 08 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	193.0
145	29.8	0.0	63.0

