

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX011519\
 Data File : VX007063.D
 Acq On : 15 Jan 2019 17:20
 Operator : JC/SP
 Sample : VX0115WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 8:37:02 AM

Quant Time: Jan 16 00:50:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	485897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	720450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	669007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	339924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	254638	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	5.51	113	230114	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.71	98	859287	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	310131	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88452	22.167	ug/l	97
3) Chloromethane	1.33	50	98524	21.210	ug/l	99
4) Vinyl Chloride	1.41	62	103071	20.628	ug/l	97
5) Bromomethane	1.64	94	106588	19.966	ug/l	97
6) Chloroethane	1.72	64	69397	19.891	ug/l	97
7) Trichlorofluoromethane	1.93	101	169301	20.970	ug/l	95
8) Diethyl Ether	2.19	74	64506	20.083	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98734	20.427	ug/l	98
10) Methyl Iodide	2.51	142	144456	22.156	ug/l	99
11) Tert butyl alcohol	3.07	59	133932	111.808	ug/l	100
12) 1,1-Dichloroethene	2.37	96	91827	20.562	ug/l	97
13) Acrolein	2.29	56	68647	134.321	ug/l	99
14) Allyl chloride	2.73	41	156591	20.460	ug/l	98
15) Acrylonitrile	3.15	53	293632	106.780	ug/l	98
16) Acetone	2.45	43	284116	113.175	ug/l	97
17) Carbon Disulfide	2.57	76	199378	17.341	ug/l	100
18) Methyl Acetate	2.78	43	158011	21.735	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	324201	20.916	ug/l	100
20) Methylene Chloride	2.86	84	105940	21.869	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	97027	19.497	ug/l	96
22) Diisopropyl ether	3.87	45	295788	20.557	ug/l	94
23) Vinyl Acetate	3.82	43	1213377	99.997	ug/l	100
24) 1,1-Dichloroethane	3.70	63	164916	20.498	ug/l	97
25) 2-Butanone	4.70	43	394900	109.937	ug/l	97
26) 2,2-Dichloropropane	4.59	77	113949	18.418	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	109970	20.033	ug/l	98
28) Bromochloromethane	5.02	49	70238	19.926	ug/l	92
29) Tetrahydrofuran	5.15	42	247567	106.052	ug/l	98
30) Chloroform	5.21	83	177544	21.077	ug/l	100
31) Cyclohexane	5.58	56	143636	20.059	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	144639	20.258	ug/l	98
36) 1,1-Dichloropropene	5.80	75	123975	19.793	ug/l	99
37) Ethyl Acetate	4.85	43	140789	20.965	ug/l	99
38) Carbon Tetrachloride	5.78	117	121541	19.286	ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Jan 16 00:50:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155997	19.535	ug/l	97
40) Benzene	6.14	78	391941	20.507	ug/l	100
41) Methacrylonitrile	5.06	41	77120	19.935	ug/l	99
42) 1,2-Dichloroethane	6.20	62	133836	20.264	ug/l	100
43) Isopropyl Acetate	6.46	43	216806	20.468	ug/l	98
44) Trichloroethene	7.21	130	111425	19.455	ug/l	96
45) 1,2-Dichloropropane	7.52	63	98771	20.556	ug/l	98
46) Dibromomethane	7.66	93	70358	20.835	ug/l	99
47) Bromodichloromethane	7.90	83	114508	19.921	ug/l	96
48) Methyl methacrylate	7.77	41	113023	20.778	ug/l	98
49) 1,4-Dioxane	7.75	88	57446	457.785	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	768308	112.865	ug/l	99
52) Toluene	8.78	92	255917	20.833	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122305	19.189	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	138396	19.662	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	105465	21.449	ug/l	98
56) Ethyl methacrylate	9.18	69	152390	21.230	ug/l	97
57) 1,3-Dichloropropane	9.37	76	171390	21.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	396388	107.403	ug/l	99
59) 2-Hexanone	9.49	43	583298	112.441	ug/l	99
60) Dibromochloromethane	9.58	129	99038	20.743	ug/l	96
61) 1,2-Dibromoethane	9.67	107	111916	20.675	ug/l	98
64) Tetrachloroethene	9.34	164	118481	20.456	ug/l	99
65) Chlorobenzene	10.14	112	293099	20.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98216	20.009	ug/l	98
67) Ethyl Benzene	10.25	91	477912	19.840	ug/l	99
68) m/p-Xylenes	10.36	106	378469	39.879	ug/l	98
69) o-Xylene	10.70	106	189389	20.462	ug/l	99
70) Styrene	10.71	104	303229	20.685	ug/l	99
71) Bromoform	10.86	173	70395	19.242	ug/l #	99
73) Isopropylbenzene	11.02	105	494399	20.626	ug/l	99
74) N-amyl acetate	10.90	43	194427	20.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	159848	21.006	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148389m	21.542	ug/l	
77) Bromobenzene	11.26	156	138254	20.933	ug/l	98
78) n-propylbenzene	11.36	91	549888	20.898	ug/l	99
79) 2-Chlorotoluene	11.42	91	330738	20.881	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	409738	20.458	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35829	18.292	ug/l	87
82) 4-Chlorotoluene	11.51	91	375328	20.465	ug/l	100
83) tert-Butylbenzene	11.77	119	414256	20.731	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	421588	20.933	ug/l	99
85) sec-Butylbenzene	11.94	105	496325	20.797	ug/l	99
86) p-Isopropyltoluene	12.06	119	440604	20.641	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	239920	20.098	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	242274	21.503	ug/l	99
89) n-Butylbenzene	12.39	91	366805	20.157	ug/l	98
90) Hexachloroethane	12.60	117	59641	19.392	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	243450	20.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30117	20.012	ug/l	97

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ClientSampleId :
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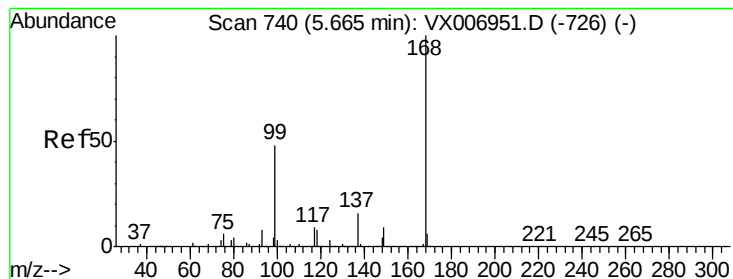
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	161603	19.995	ug/l	99
94) Hexachlorobutadiene	13.78	225	75296	20.993	ug/l	99
95) Naphthalene	13.83	128	501393	20.472	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	160205	19.954	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion:168 Resp: 485897

Ion Ratio Lower Upper

168 100

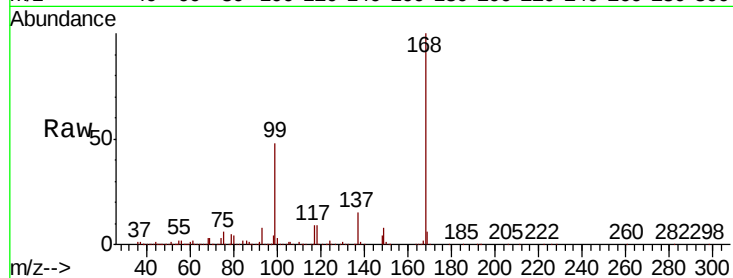
99 48.0 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

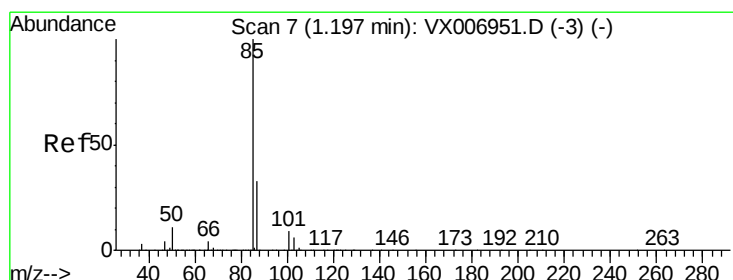
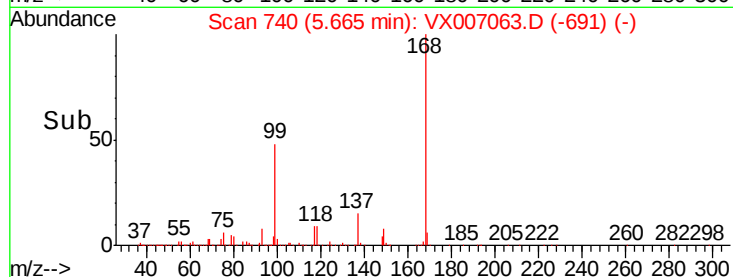
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.167 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007063.D

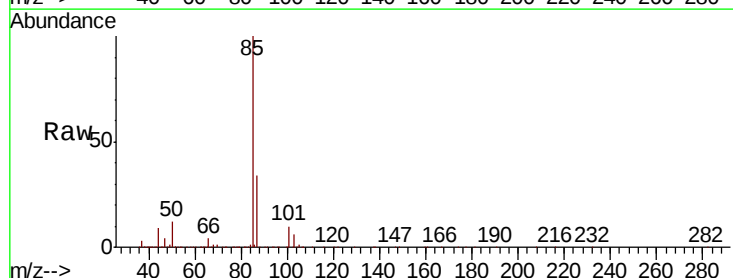
Acq: 15 Jan 2019 17:20

Tgt Ion: 85 Resp: 88452

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

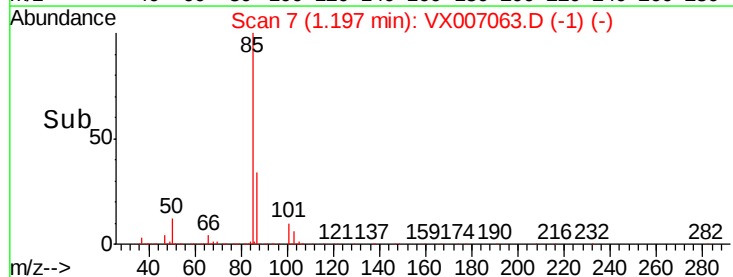
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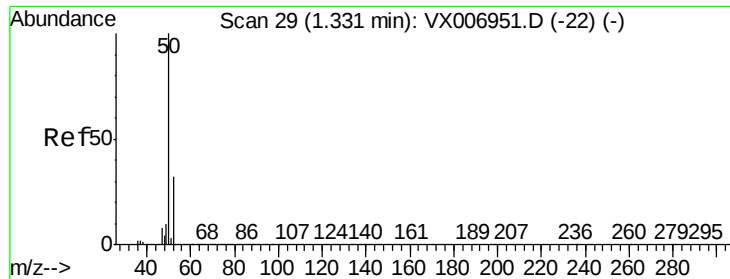
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20000

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Time-->





#3

Chloromethane

Concen: 21.210 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 50 Resp: 98524

Ion Ratio Lower Upper

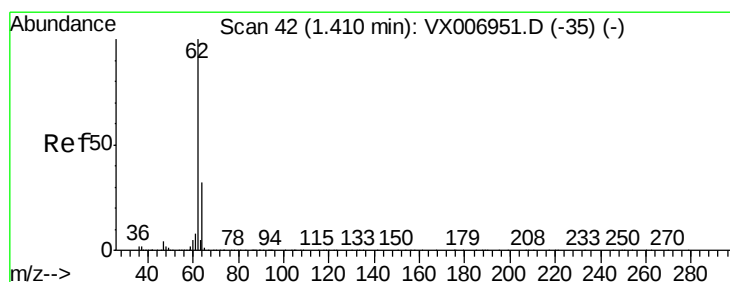
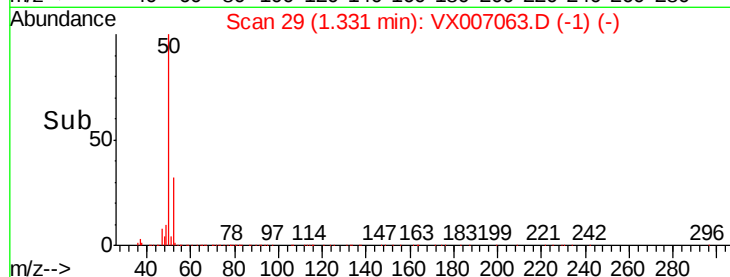
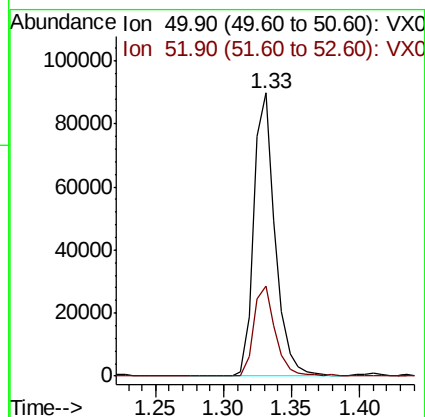
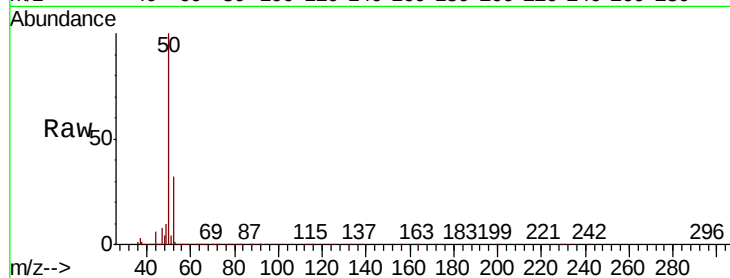
50 100

52 31.4 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.628 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007063.D

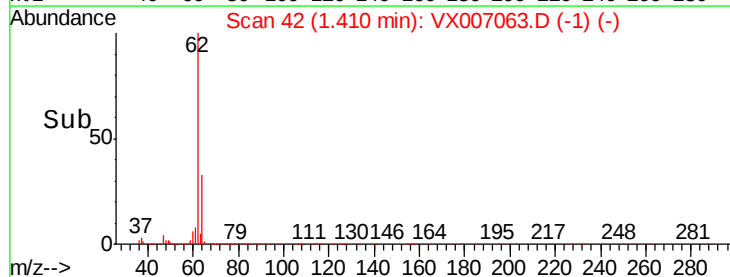
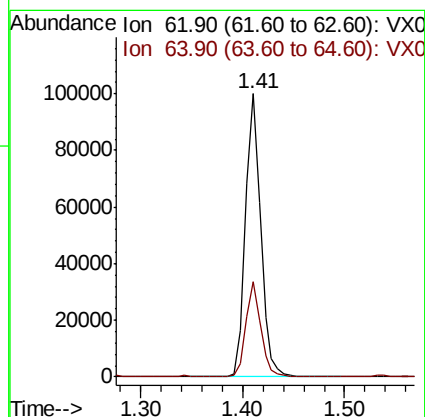
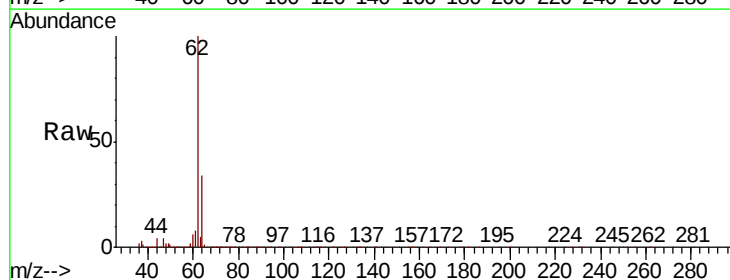
Acq: 15 Jan 2019 17:20

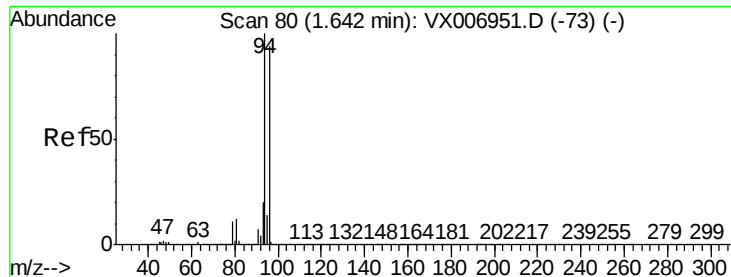
Tgt Ion: 62 Resp: 103071

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7





#5

Bromomethane

Concen: 19.966 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 94 Resp: 106588

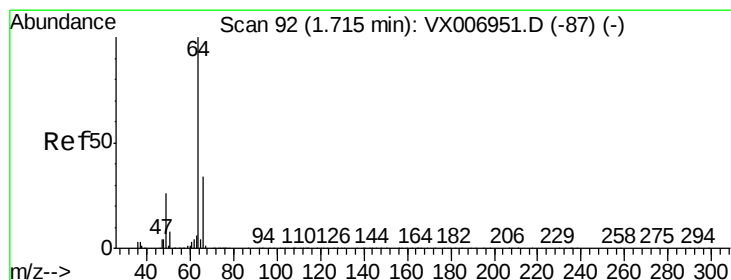
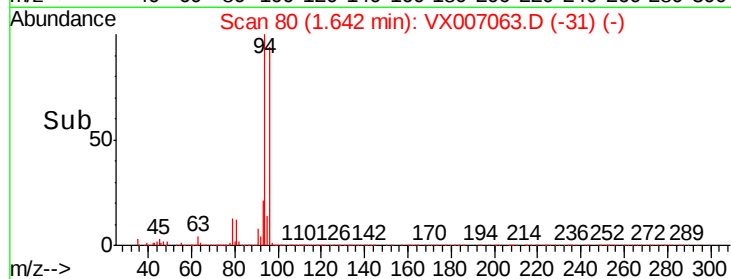
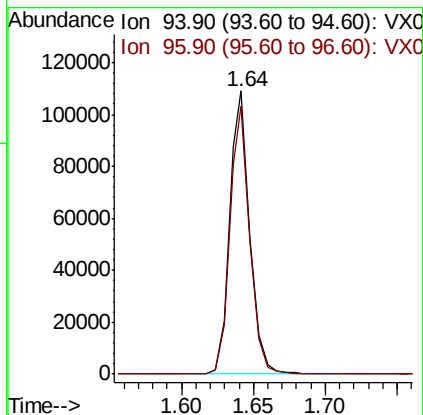
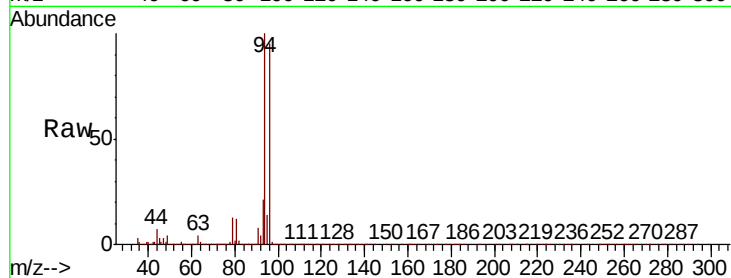
Ion Ratio Lower Upper

94 100

96 94.5 73.4 110.2

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#6

Chloroethane

Concen: 19.891 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007063.D

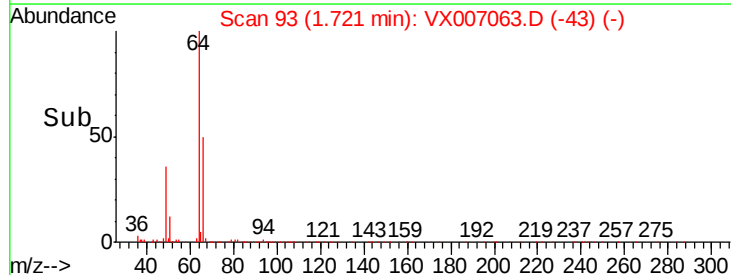
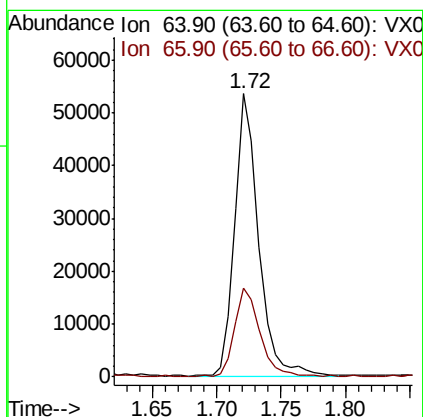
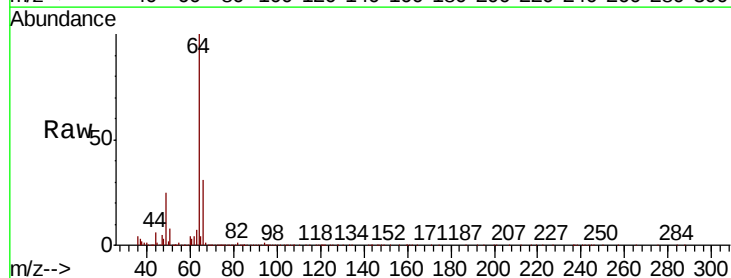
Acq: 15 Jan 2019 17:20

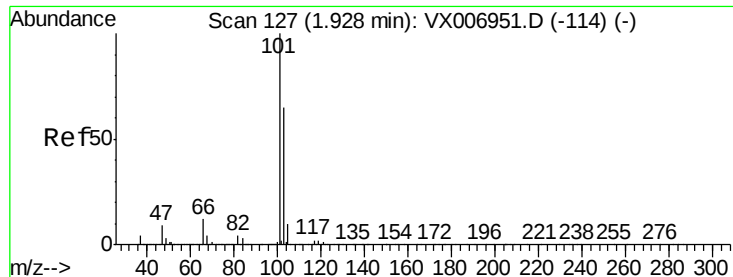
Tgt Ion: 64 Resp: 69397

Ion Ratio Lower Upper

64 100

66 31.4 26.4 39.6





#7

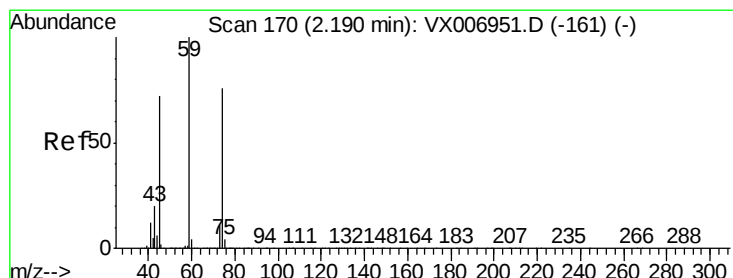
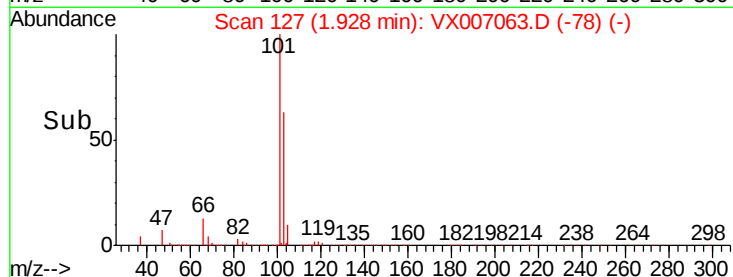
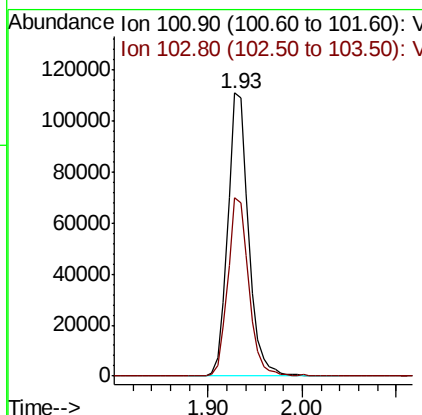
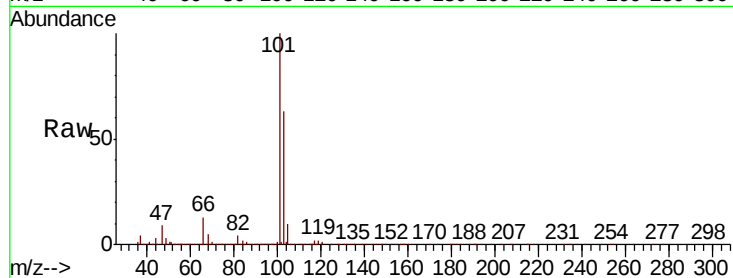
Trichlorofluoromethane
Concen: 20.970 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
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ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	53.2	79.8

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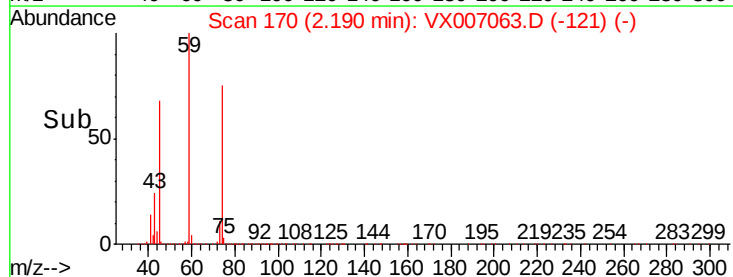
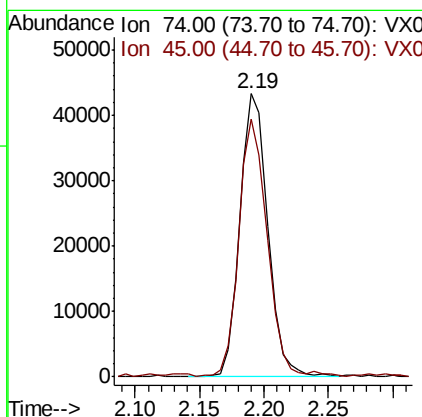
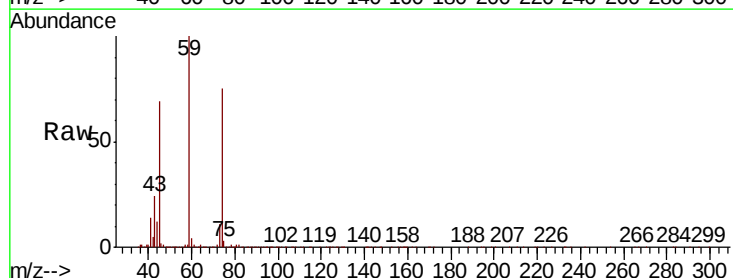
MMDadoda
1/17/2019 8:37:02 AM

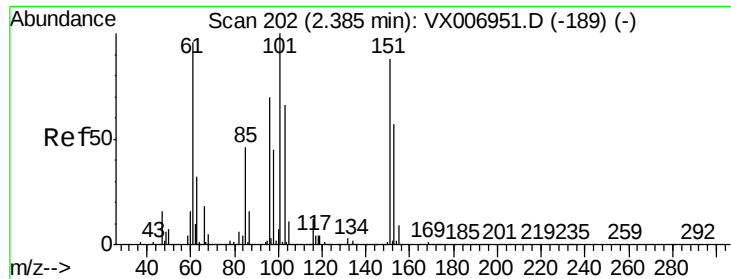


#8

Diethyl Ether
Concen: 20.083 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.427 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

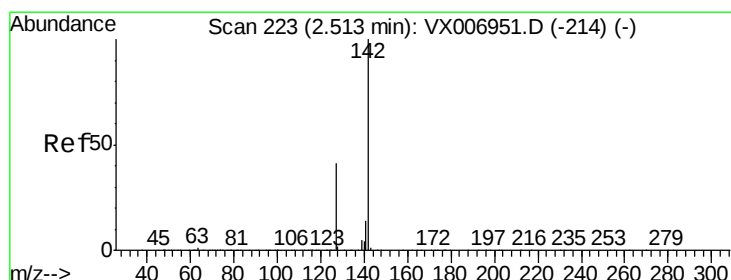
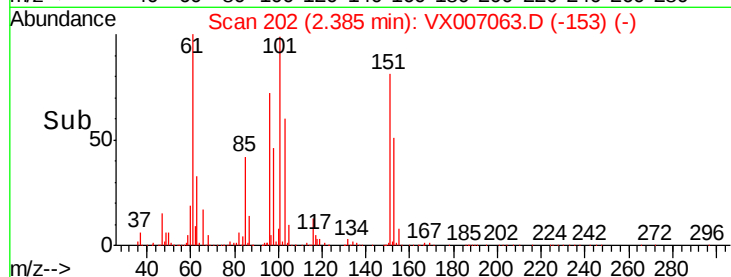
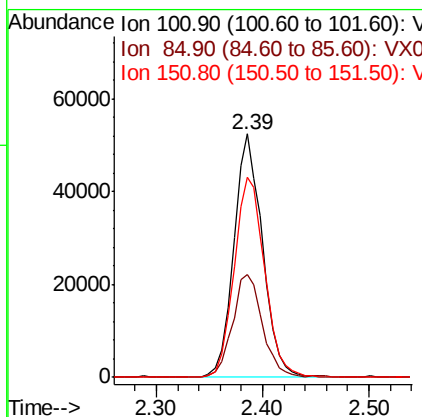
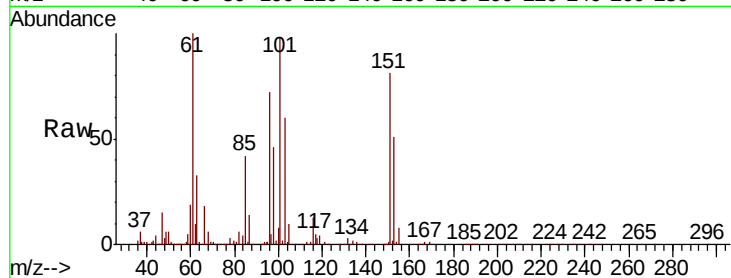
ClientSampleId :

VX0115WBSD02

Tot Ion:	101	Resp:	98734
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.1	52.7
151	87.8	68.9	103.3

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1/17/2019 8:37:02 AM



#10

Methyl Iodide

Concen: 22.156 ug/l

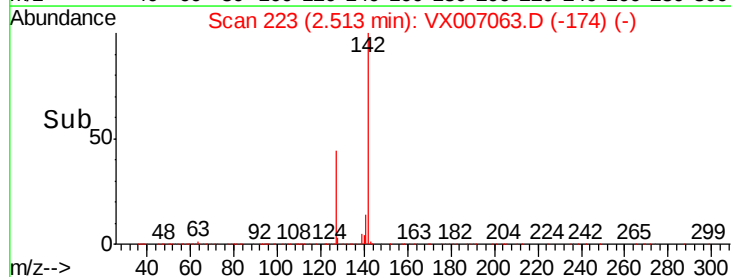
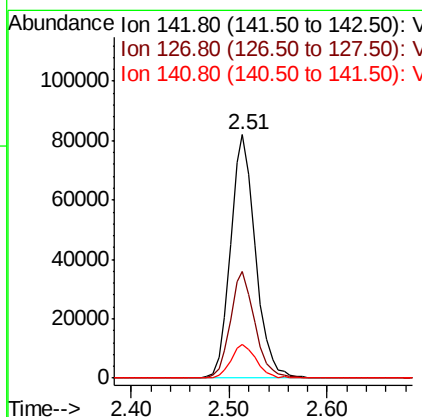
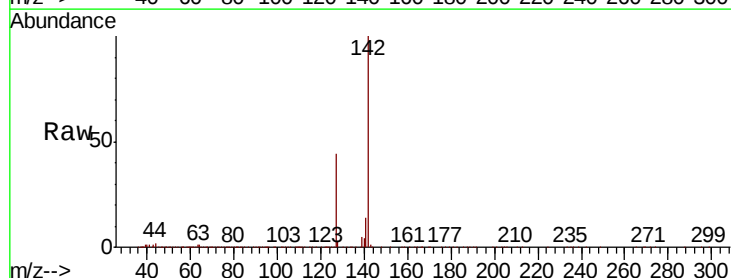
RT: 2.51 min Scan# 223

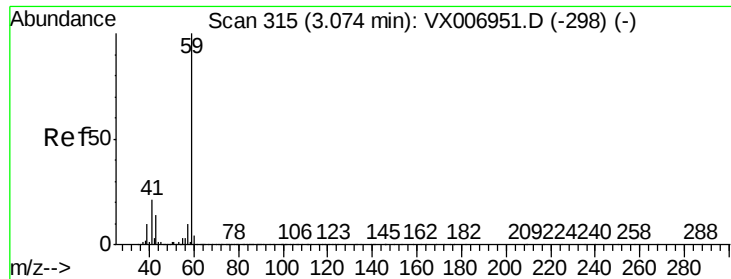
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	142	Resp:	144456
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.9	50.9
141	14.2	11.4	17.0





#11

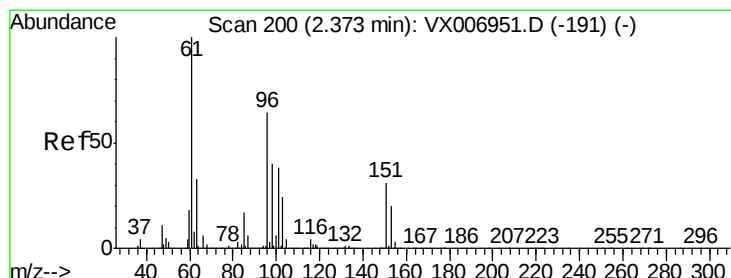
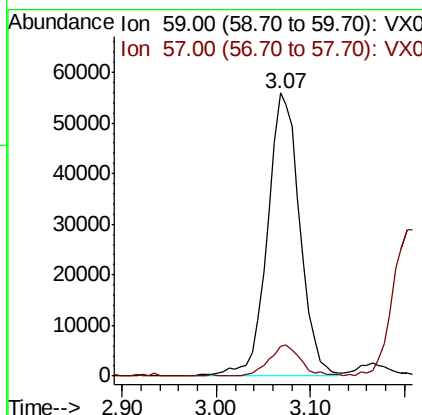
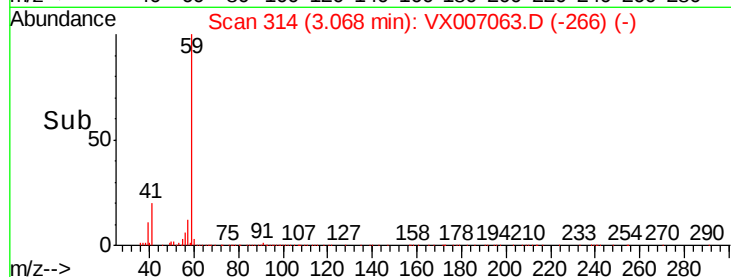
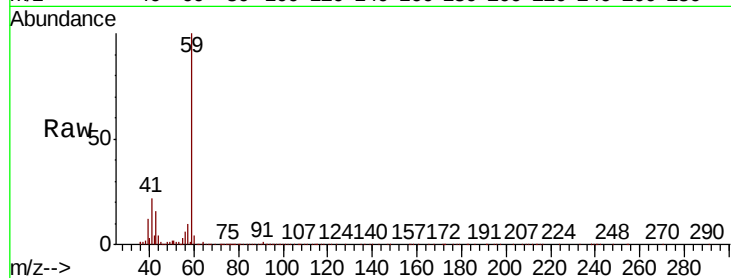
Tert butyl alcohol
Concen: 111.808 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
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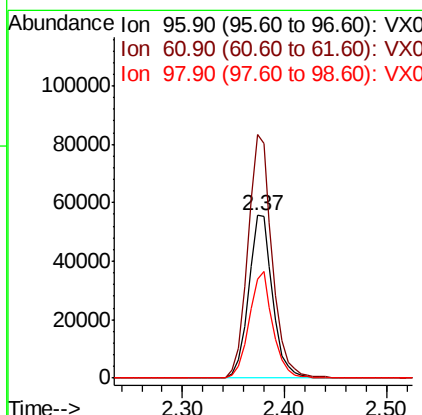
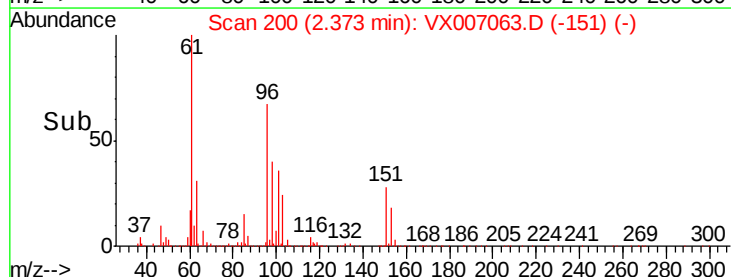
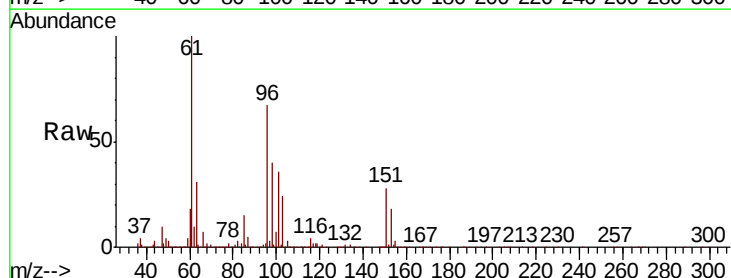
MMDadoda
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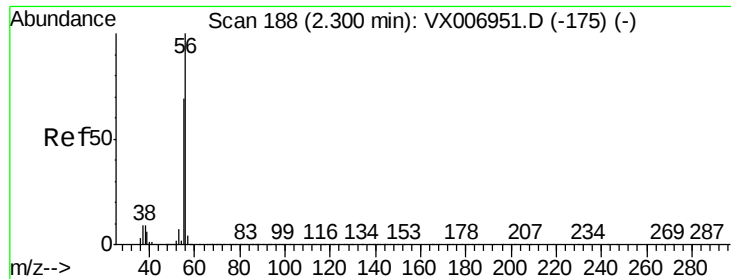


#12

1,1-Dichloroethene
Concen: 20.562 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	121.4	182.2
98	60.4	51.9	77.9





#13

Acrolein

Concen: 134.321 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 56 Resp: 68647

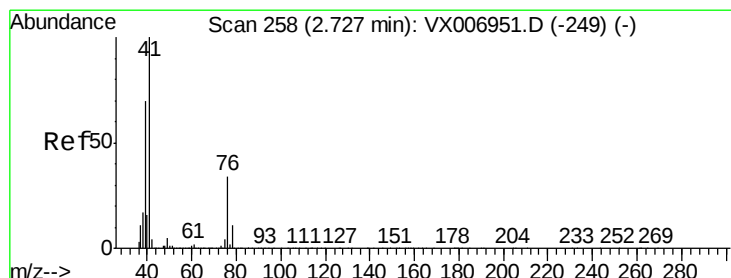
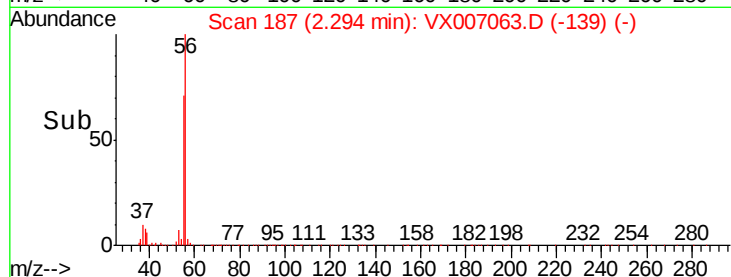
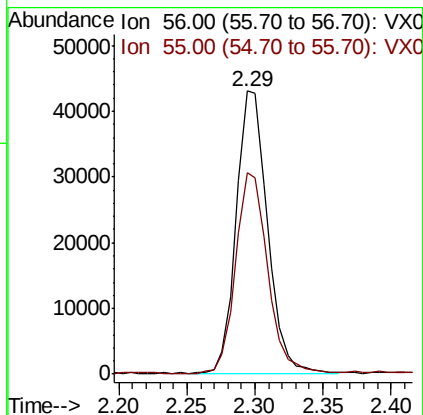
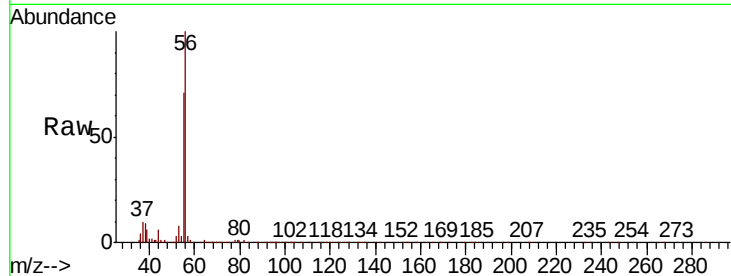
Ion Ratio Lower Upper

56 100

55 73.6 58.2 87.4

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#14

Allyl chloride

Concen: 20.460 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

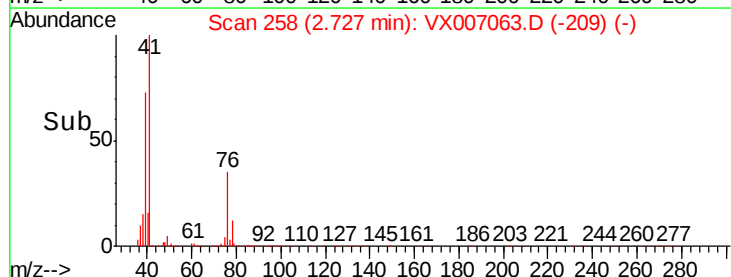
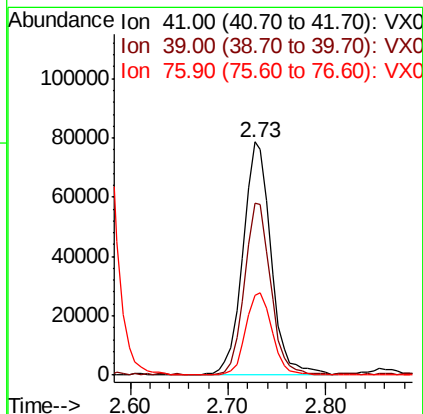
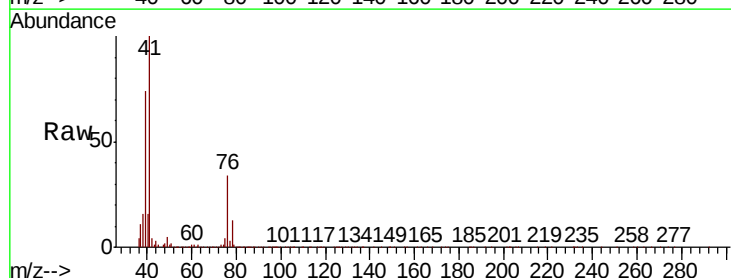
Tgt Ion: 41 Resp: 156591

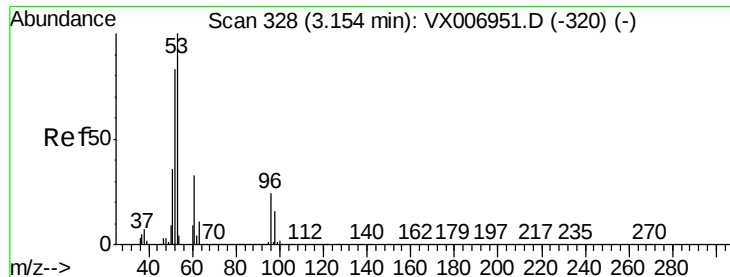
Ion Ratio Lower Upper

41 100

39 68.0 53.6 80.4

76 32.8 27.4 41.2





#15

Acrylonitrile

Concen: 106.780 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

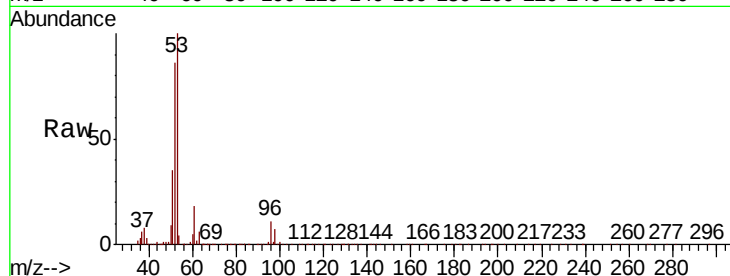
ClientSampleId :

VX0115WBSD02

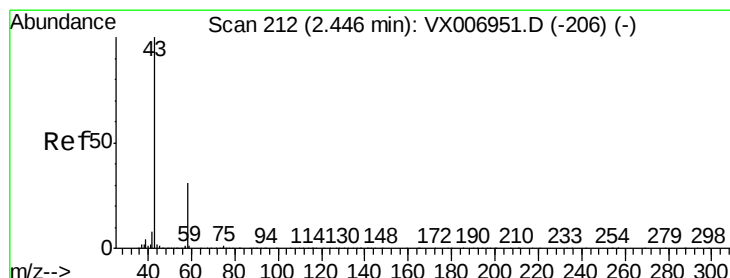
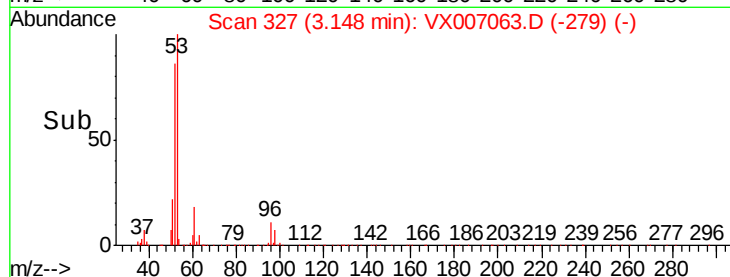
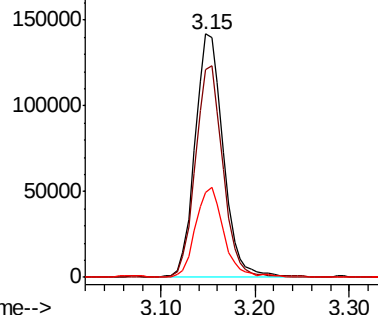
Tot Ion:	53	Resp:	293632
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.0	99.0
51	36.6	28.6	42.8

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 113.175 ug/l

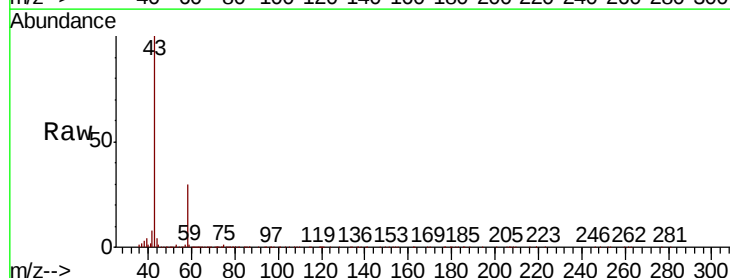
RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

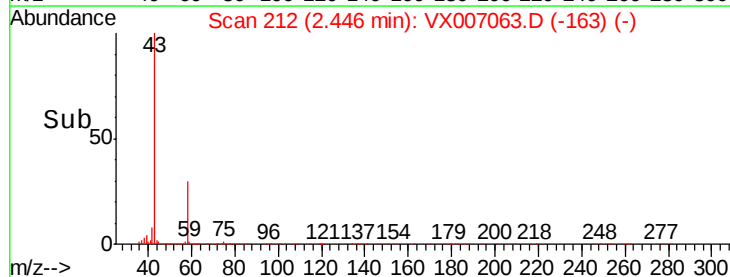
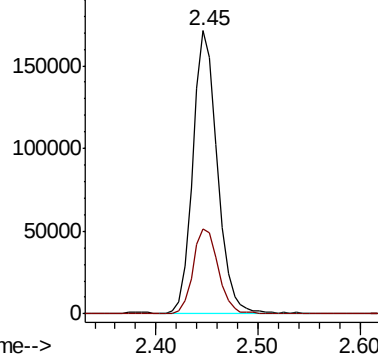
Lab File: VX007063.D

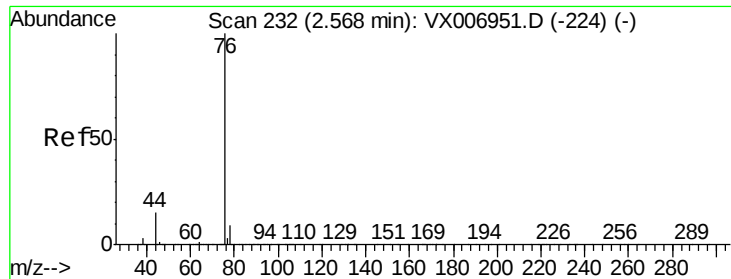
Acq: 15 Jan 2019 17:20

Tgt Ion:	43	Resp:	284116
Ion Ratio		Lower	Upper
43	100		
58	29.9	25.0	37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





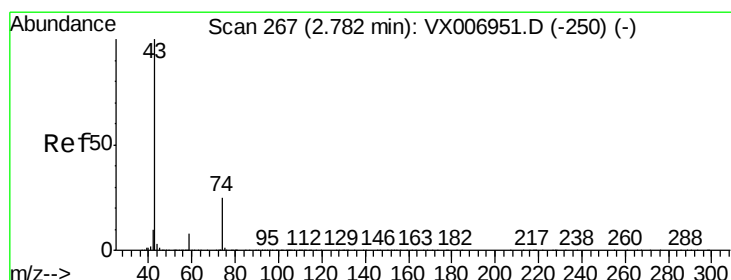
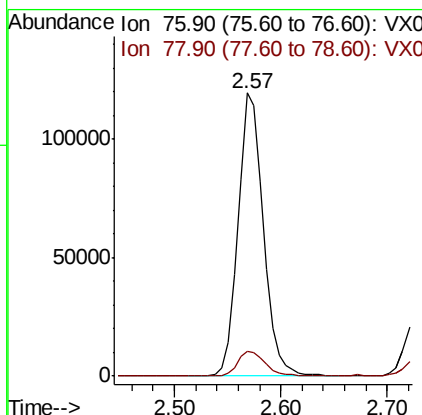
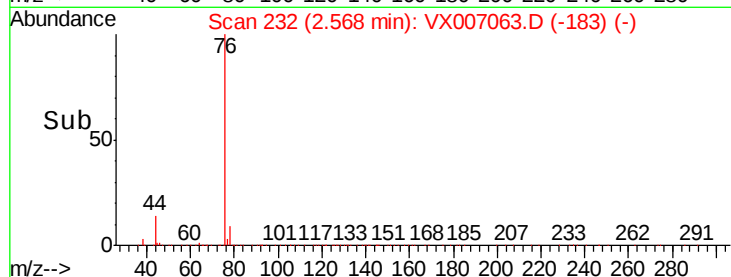
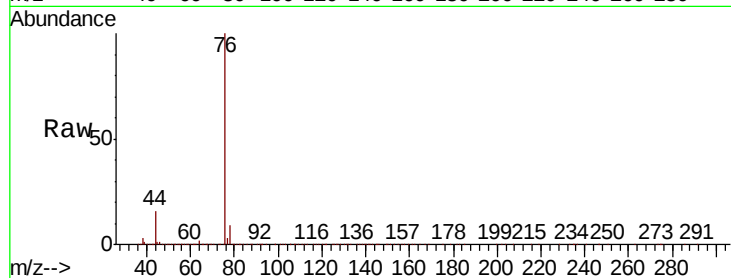
#17
Carbon Disulfide
Concen: 17.341 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

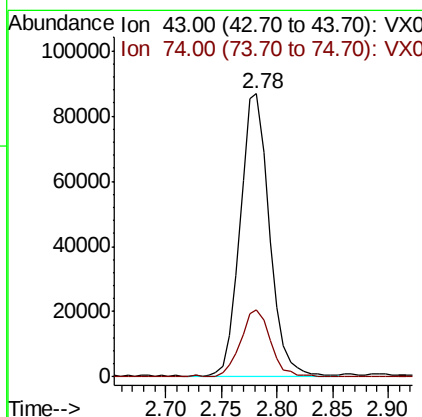
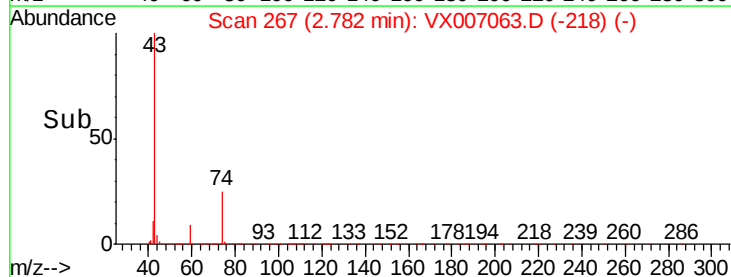
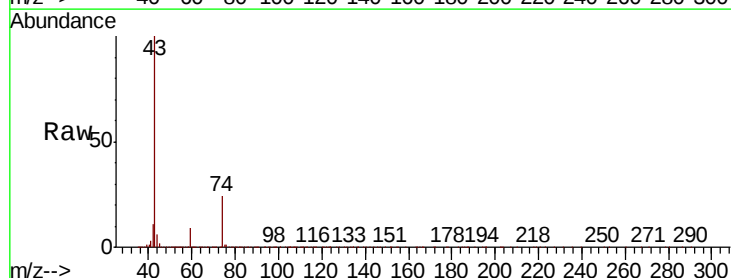
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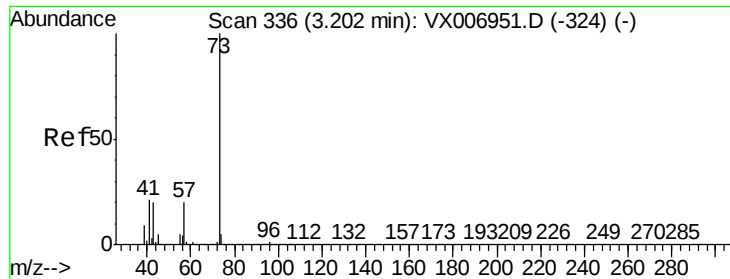
MMDadoda
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#18
Methyl Acetate
Concen: 21.735 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	28.0





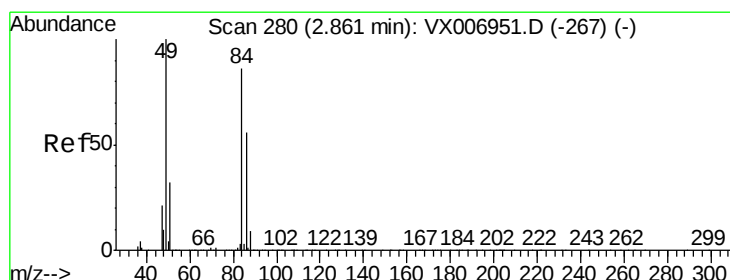
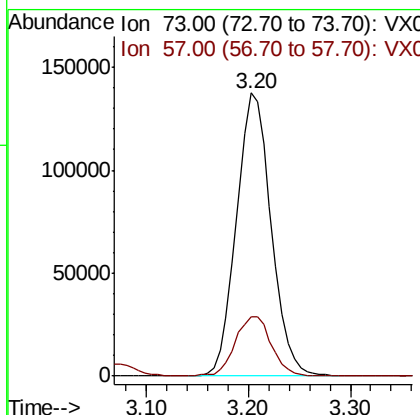
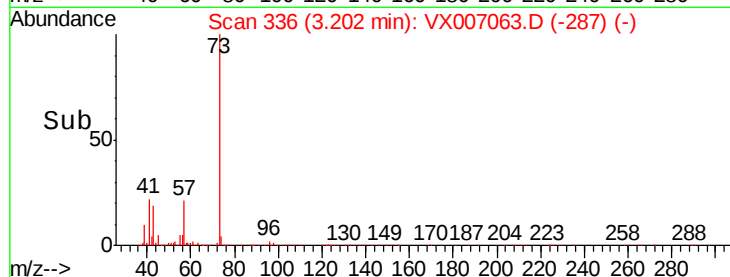
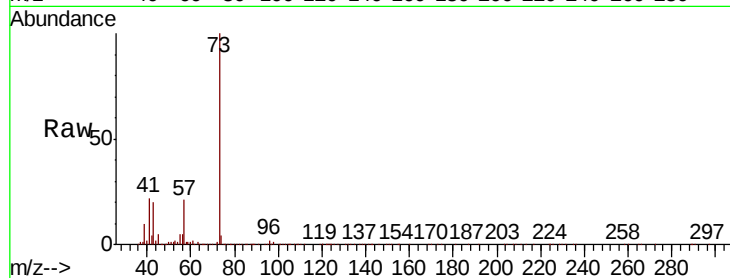
#19
Methyl tert-butyl Ether
Concen: 20.916 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.8	25.2

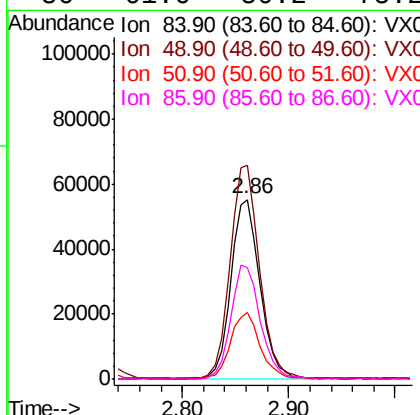
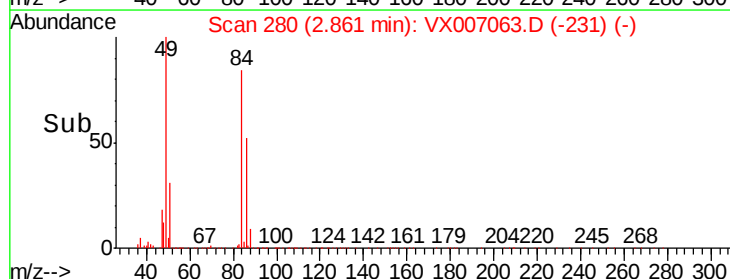
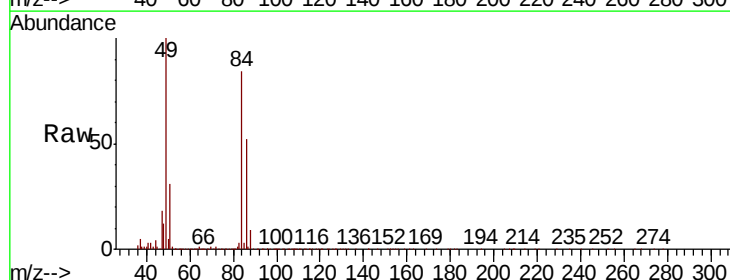
Manual Integrations
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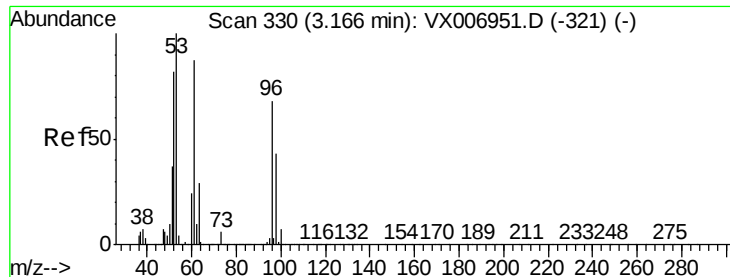
MMDadoda
1/17/2019 8:37:02 AM



#20
Methylene Chloride
Concen: 21.869 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.5	91.8	137.6
51	36.2	28.5	42.7
86	61.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.497 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

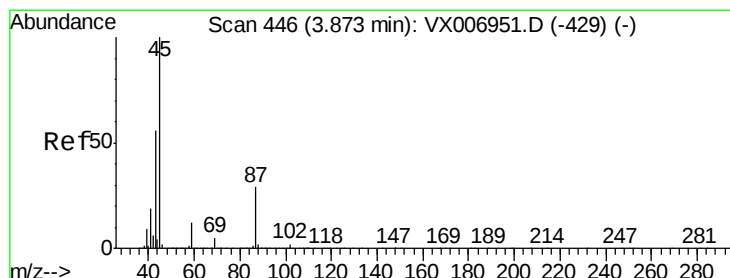
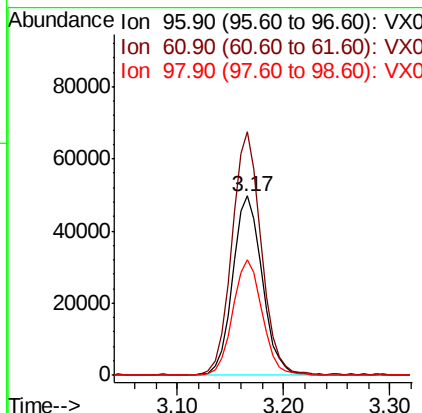
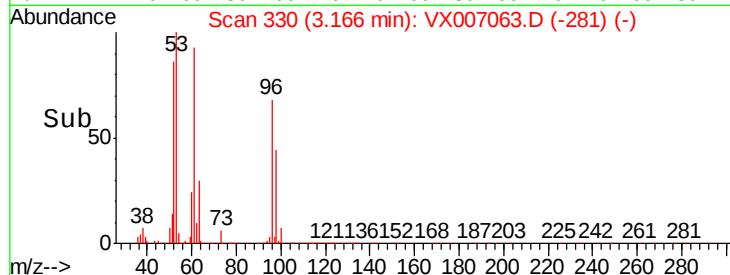
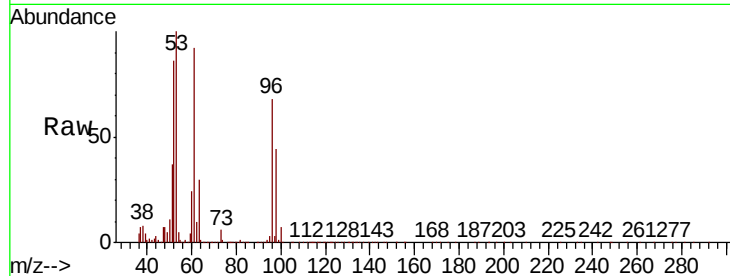
ClientSampleId :

VX0115WBSD02

Tot Ion:	96	Resp:	97027
Ion Ratio	Lower	Upper	
96	100		
61	135.6	103.7	155.5
98	64.7	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.557 ug/l

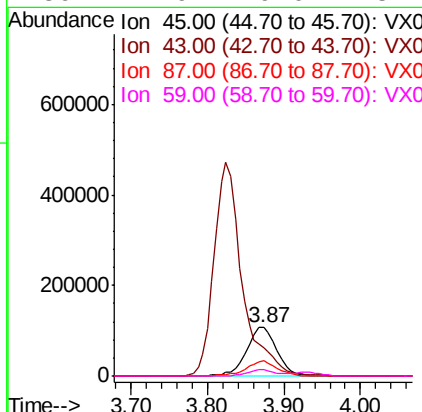
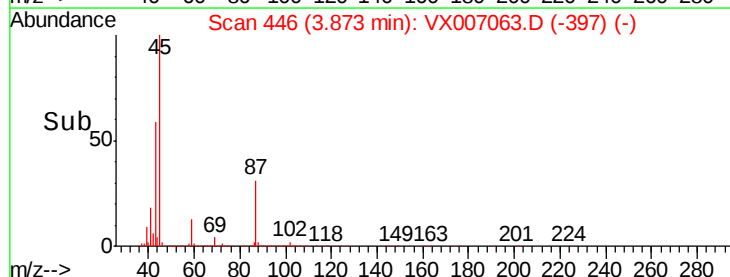
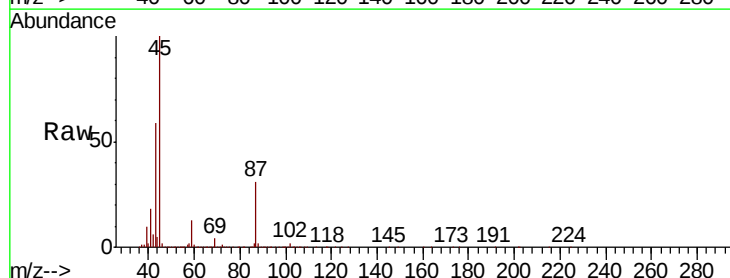
RT: 3.87 min Scan# 446

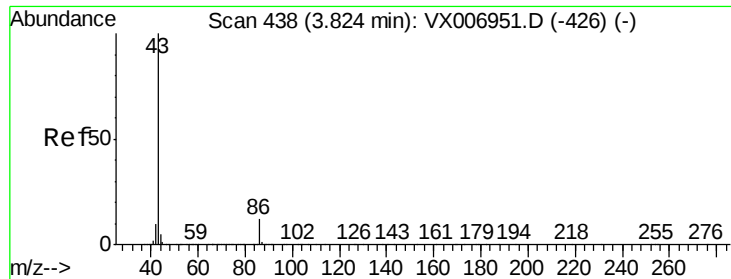
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	45	Resp:	295788
Ion Ratio	Lower	Upper	
45	100		
43	58.3	51.2	76.8
87	30.9	25.8	38.6
59	12.9	9.0	13.4





#23

Vinyl Acetate

Concen: 99.997 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleID :

VX0115WBSD02

Tot Ion: 43 Resp: 1213377

Ion Ratio Lower Upper

43 100

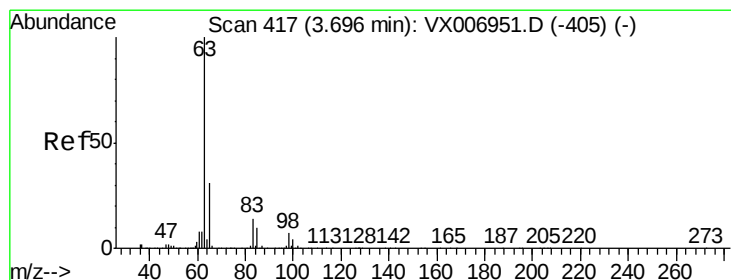
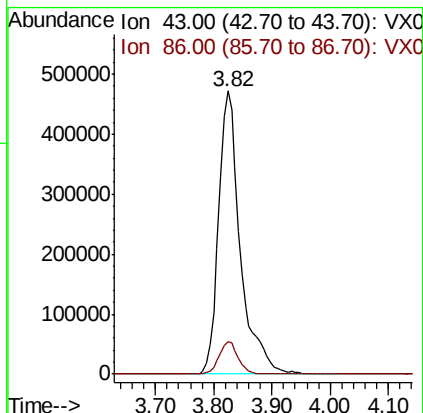
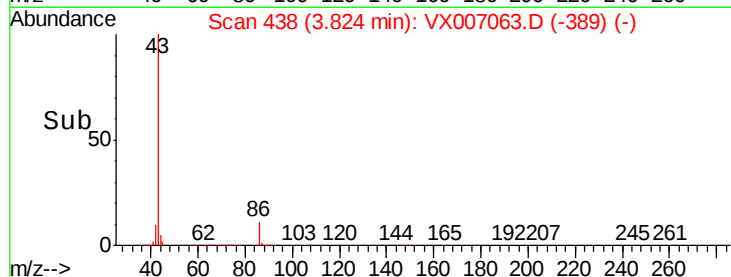
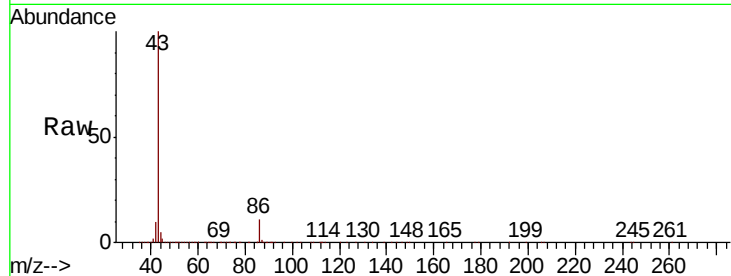
86 11.4 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.498 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

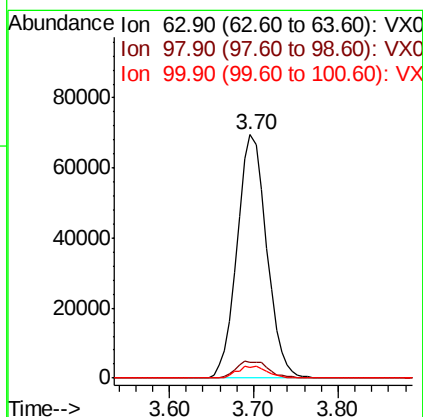
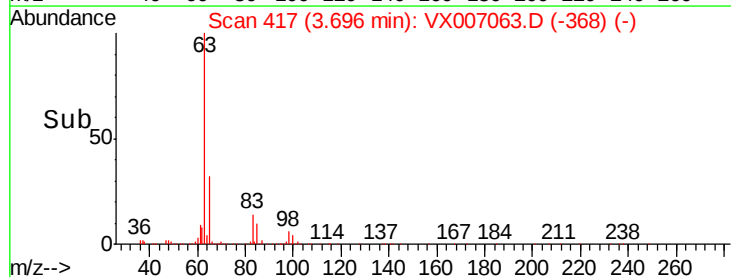
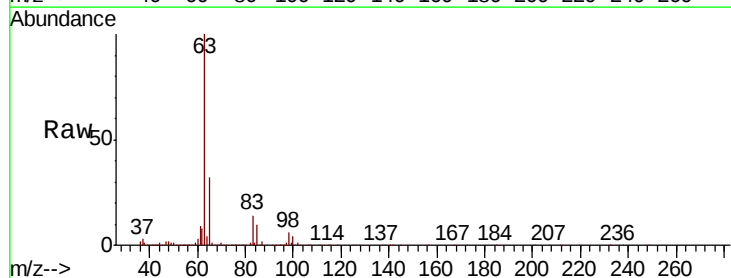
Tgt Ion: 63 Resp: 164916

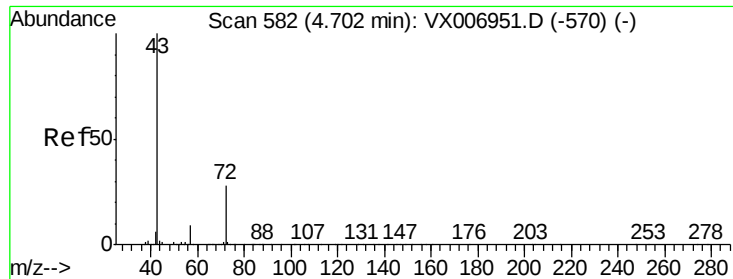
Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.5

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 109.937 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 43 Resp: 394900

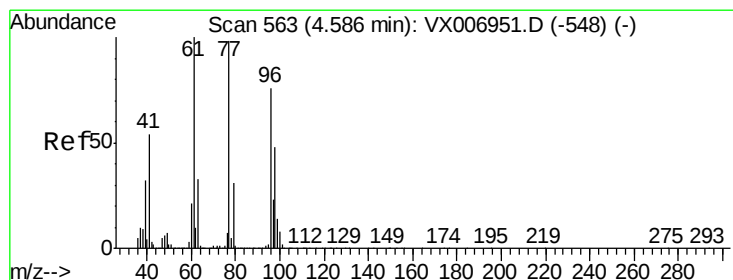
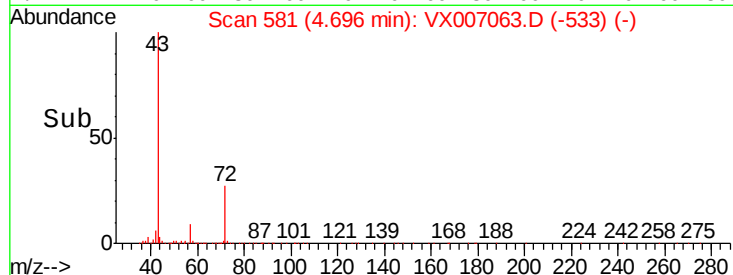
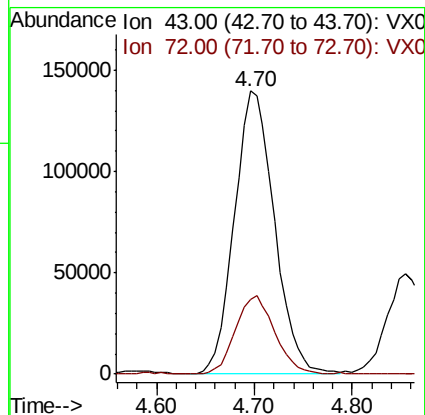
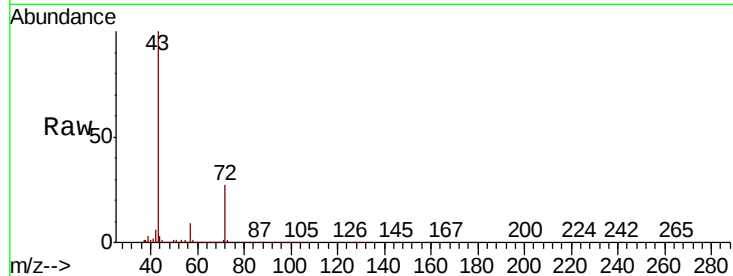
Ion Ratio Lower Upper

43 100

72 26.5 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.418 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007063.D

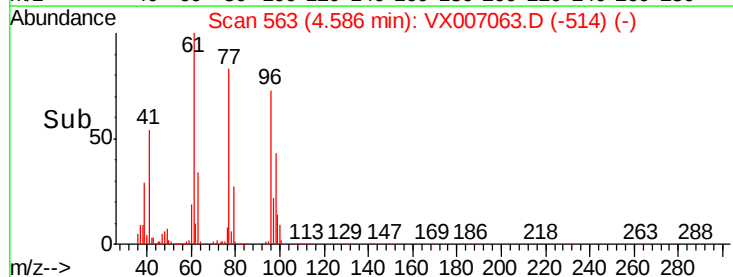
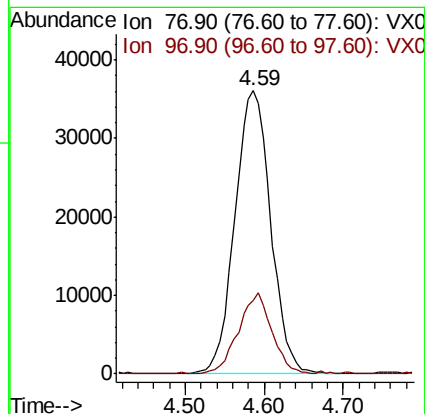
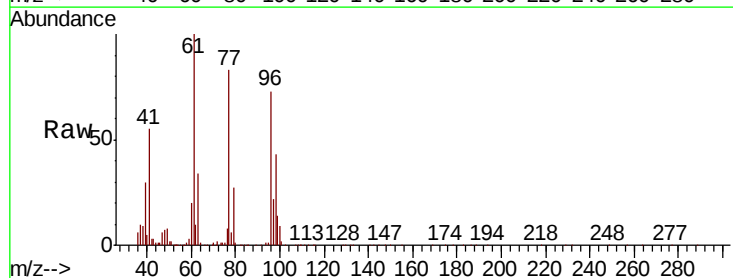
Acq: 15 Jan 2019 17:20

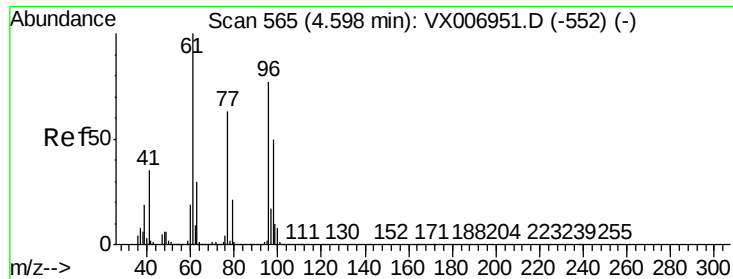
Tgt Ion: 77 Resp: 113949

Ion Ratio Lower Upper

77 100

97 26.7 12.4 37.4





#27

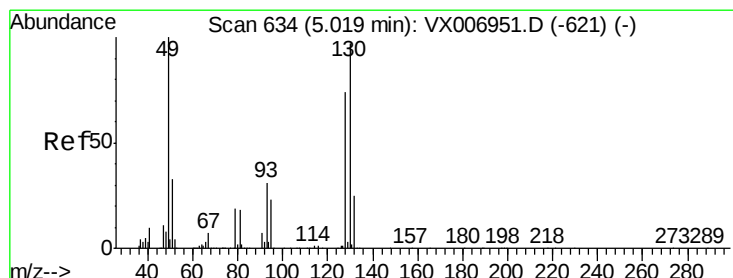
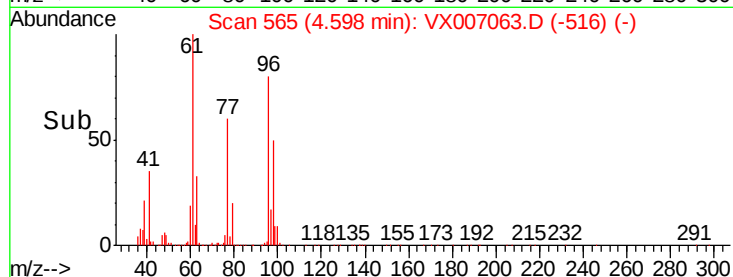
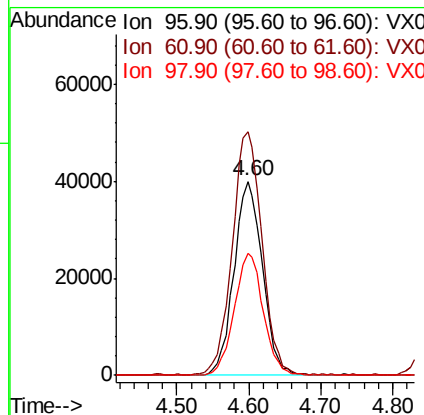
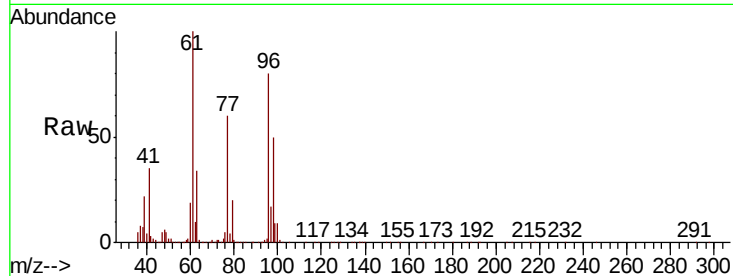
cis-1,2-Dichloroethene
Concen: 20.033 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.6	0.0	258.6	
98	64.1	0.0	132.0	

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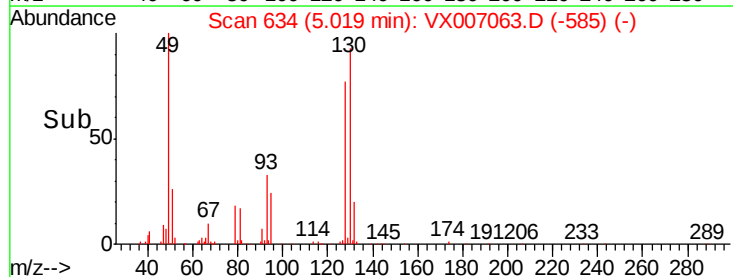
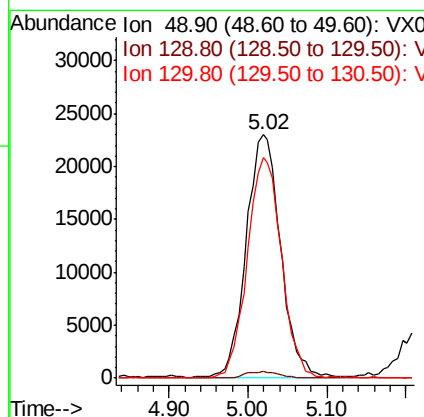
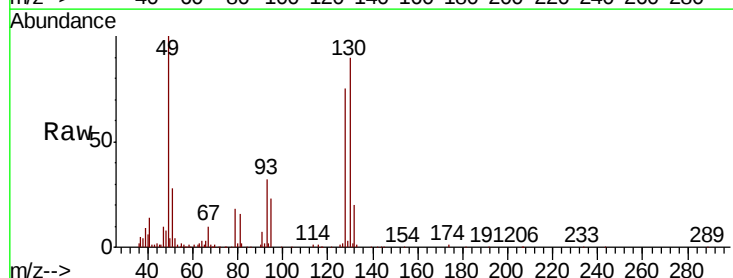
MMDadoda
1/17/2019 8:37:02 AM

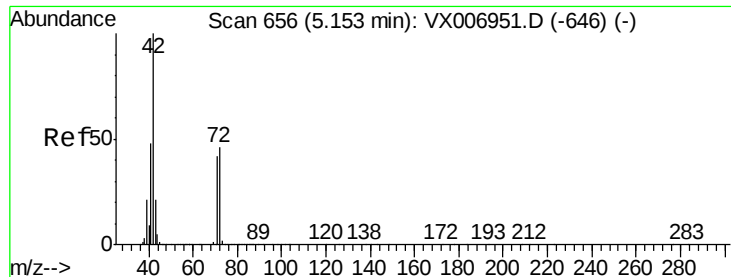


#28

Bromochloromethane
Concen: 19.926 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.4	
130	89.0	77.7	116.5	





#29

Tetrahydrofuran

Concen: 106.052 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

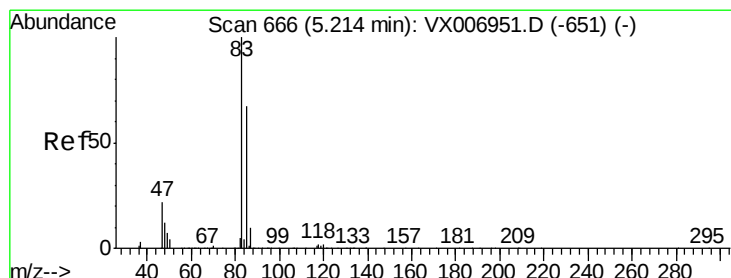
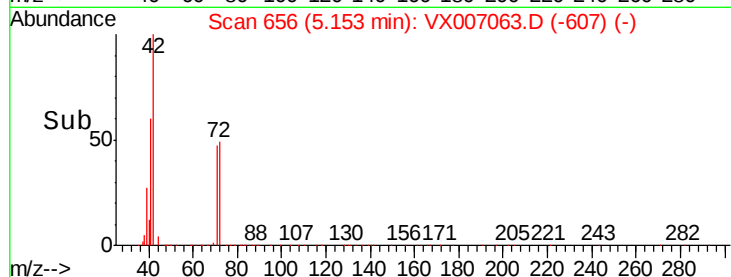
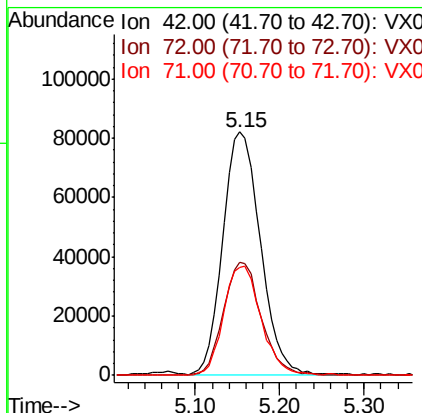
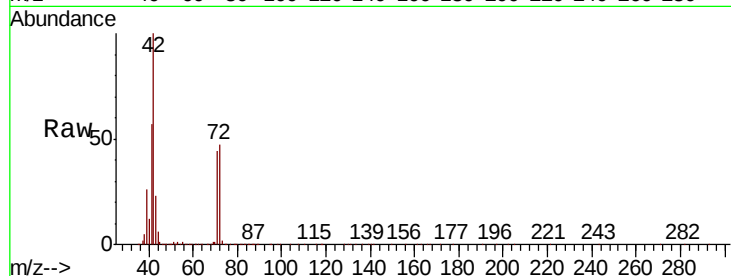
ClientSampleId :

VX0115WBSD02

Tot Ion:	42	Resp:	247567
Ion Ratio		Lower	Upper
42	100		
72	47.2	38.9	58.3
71	44.5	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 21.077 ug/l

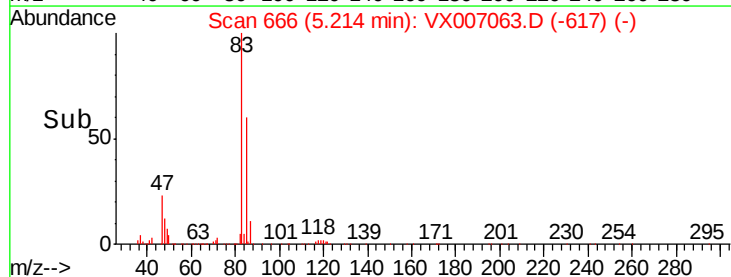
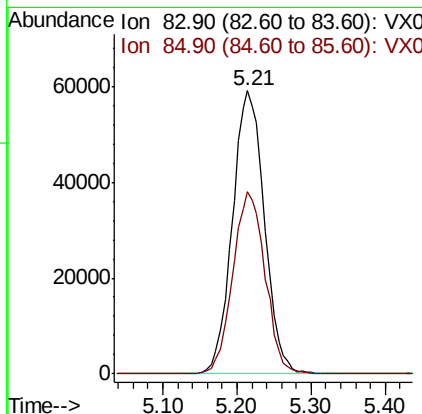
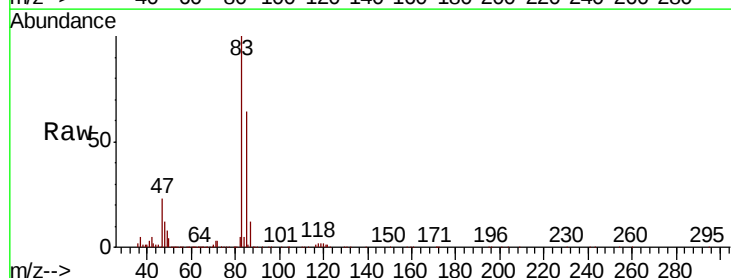
RT: 5.21 min Scan# 666

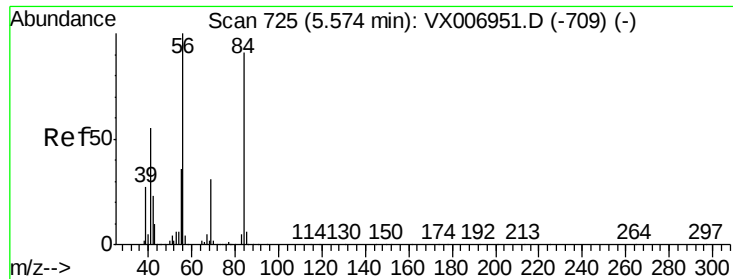
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	83	Resp:	177544
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.2	76.8





#31

Cyclohexane

Concen: 20.059 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

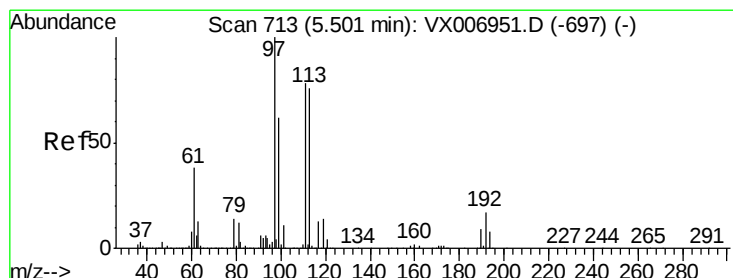
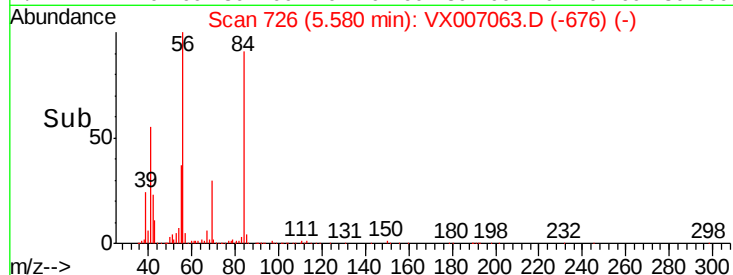
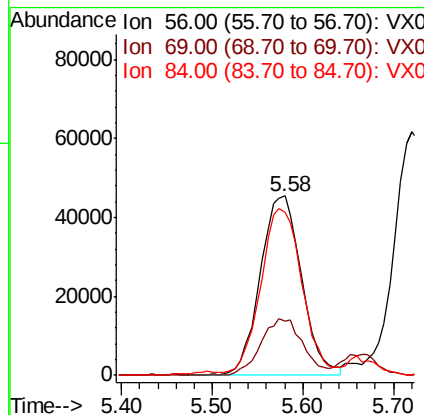
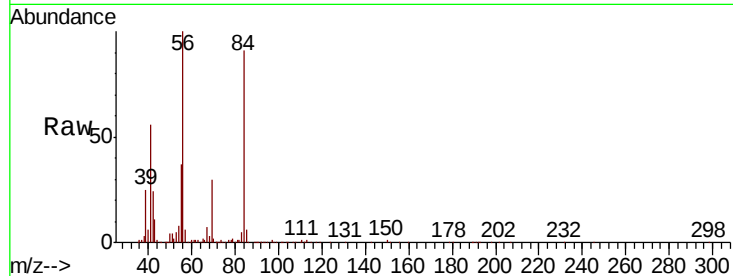
ClientSampleId :

VX0115WBSD02

Tot Ion:	56	Resp:	143636
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	89.9	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.258 ug/l

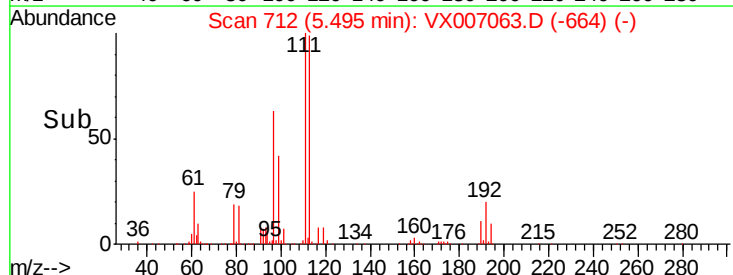
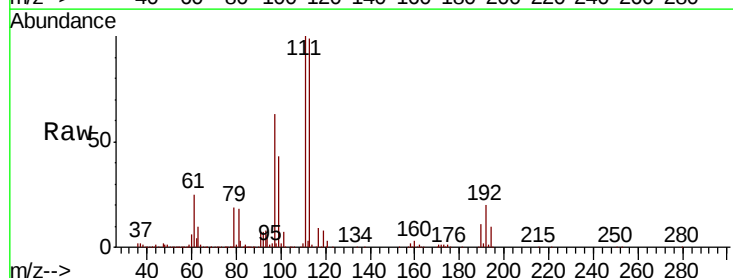
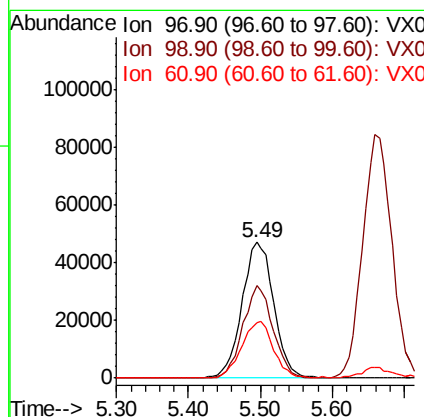
RT: 5.49 min Scan# 712

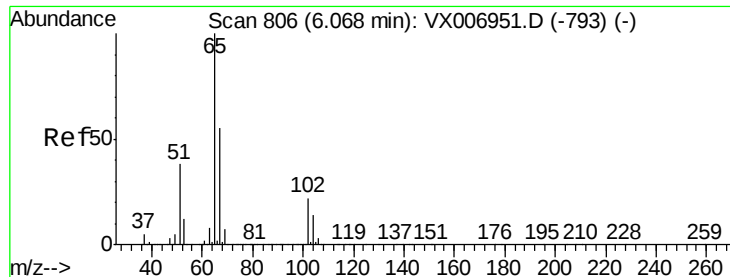
Delta R.T. -0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	97	Resp:	144639
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	41.9	31.3	46.9





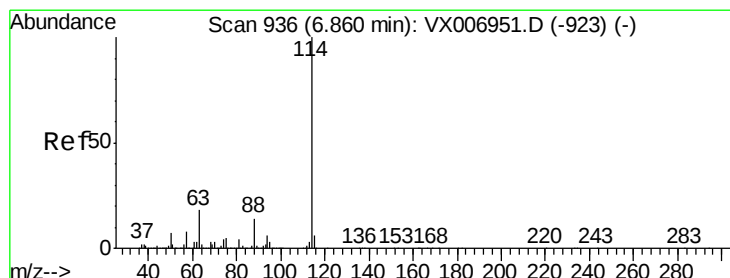
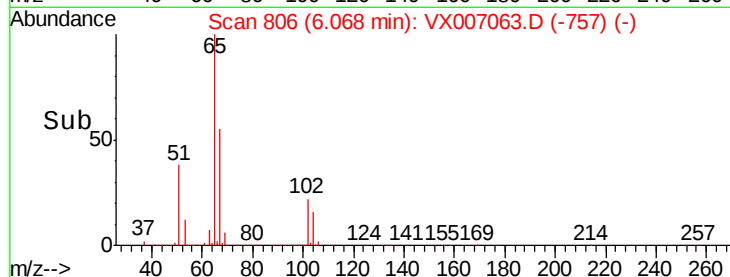
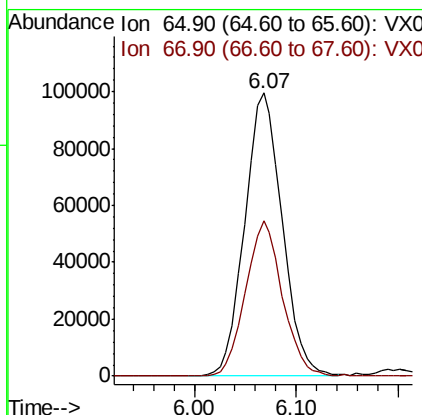
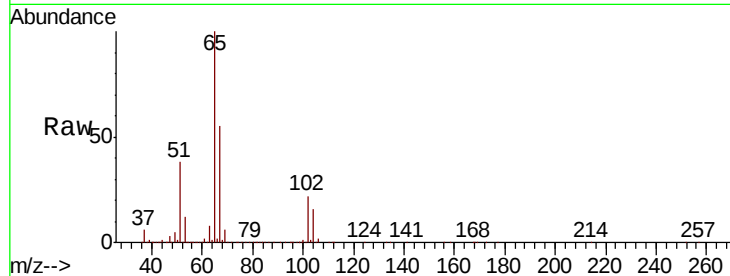
#33
 1,2-Dichloroethane-d4
 Concen: 50.145 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.0

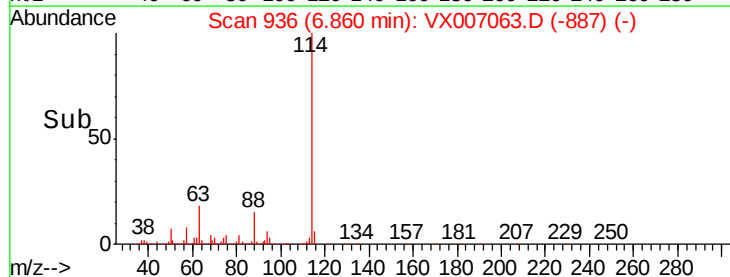
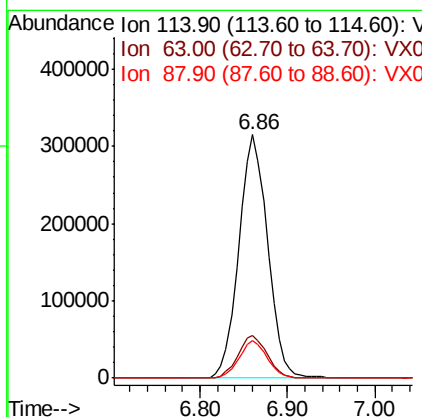
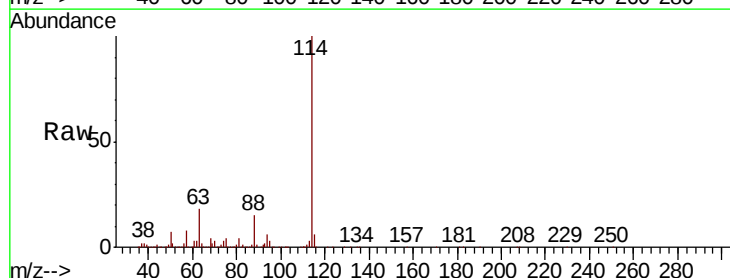
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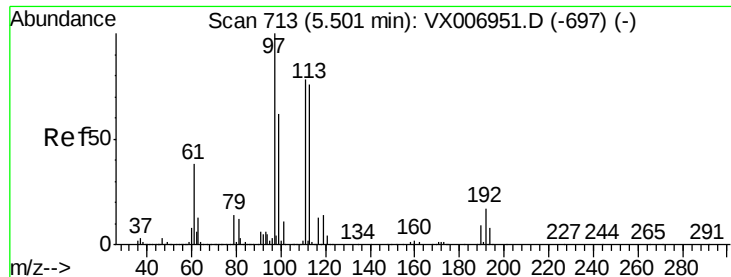
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.8
88	15.2	0.0	28.8





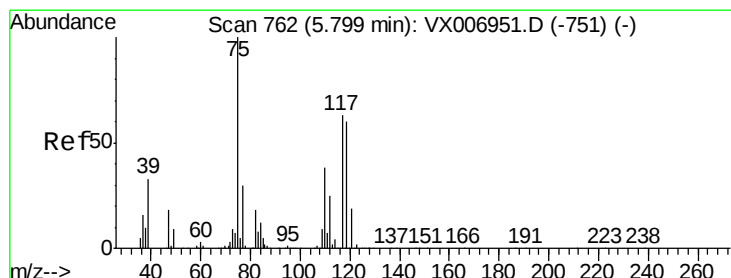
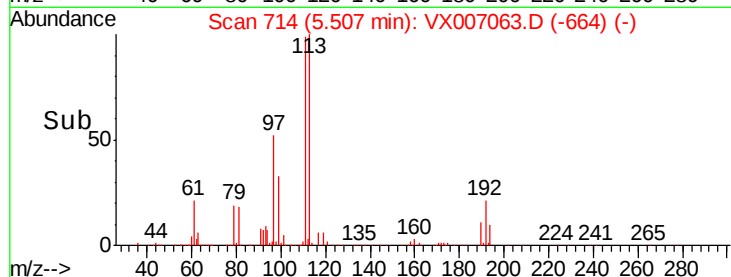
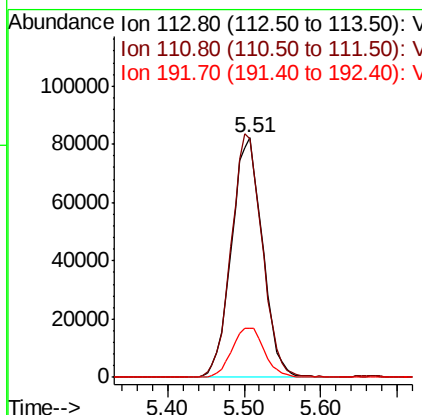
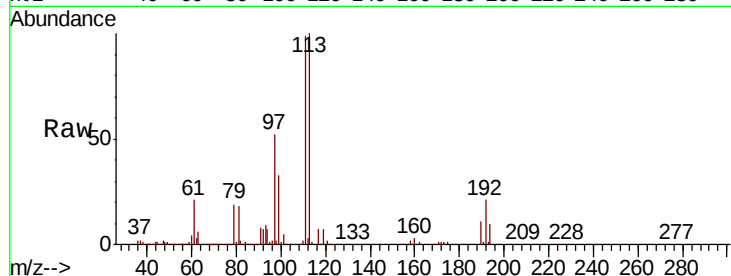
#35
 Dibromofluoromethane
 Concen: 49.876 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.6	122.4
192	21.7	16.7	25.1

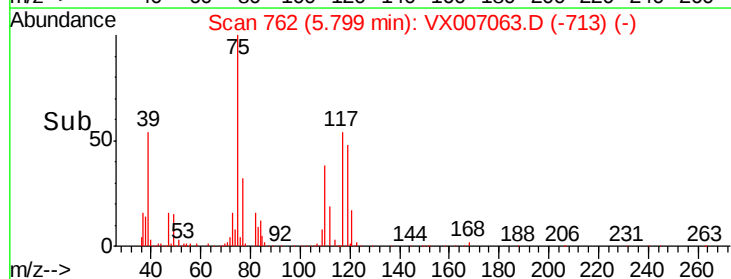
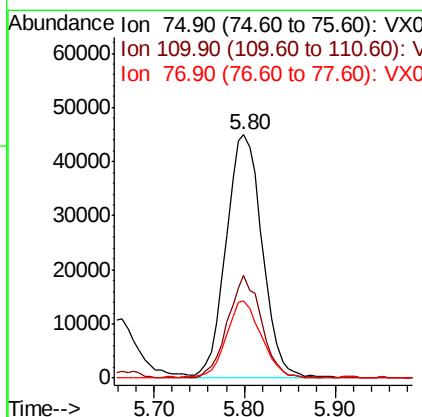
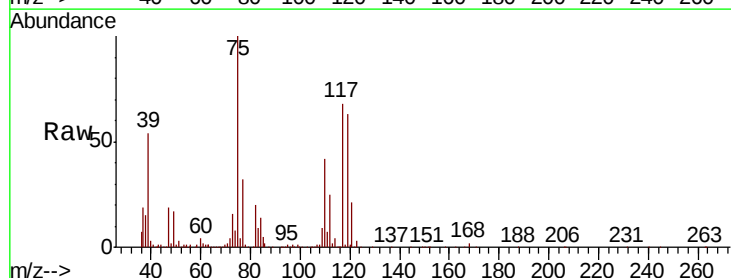
Manual Integrations
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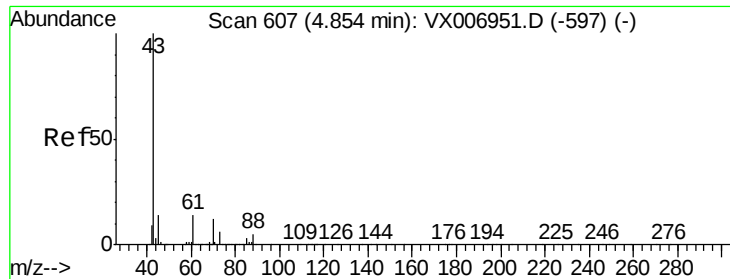
MMDadoda
 1/17/2019 8:37:02 AM



#36
 1,1-Dichloropropene
 Concen: 19.793 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	20.2	60.5
77	30.7	24.8	37.2





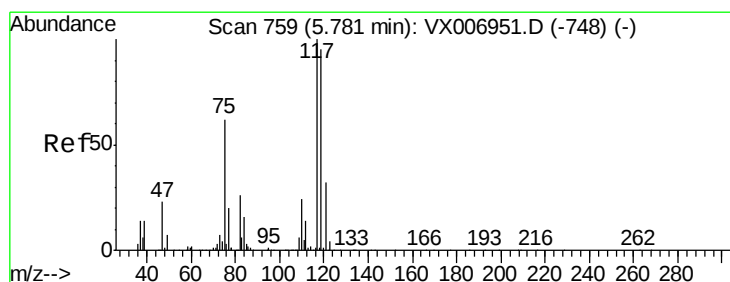
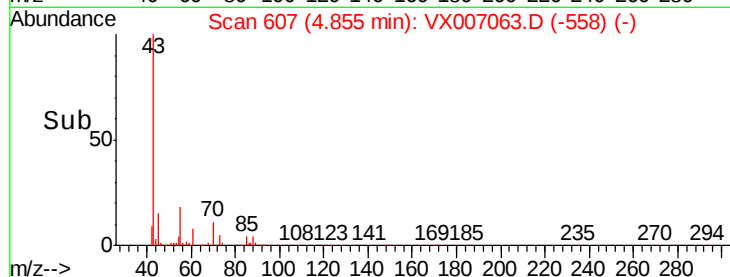
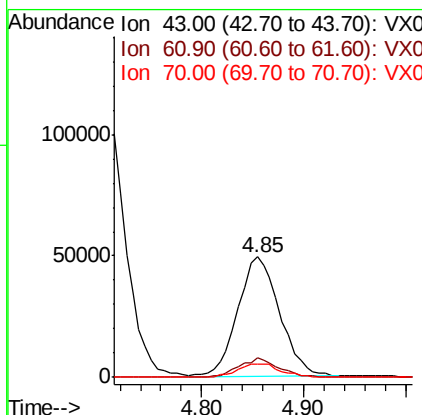
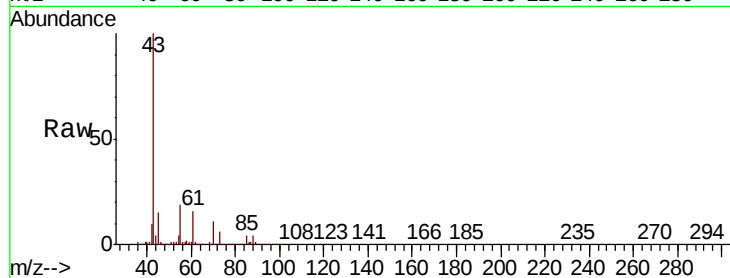
#37
Ethyl Acetate
Concen: 20.965 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleID :
VX0115WBSD02

Tot Ion	43	Resp	140789
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.9	17.9
70	11.8	9.7	14.5

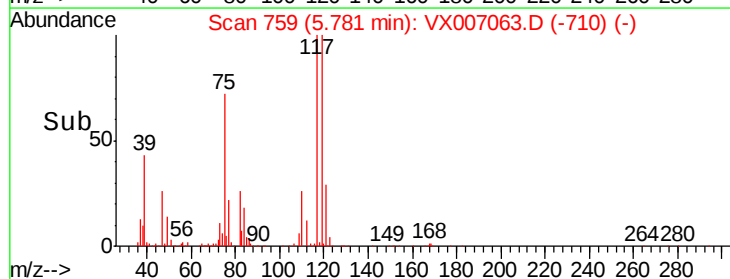
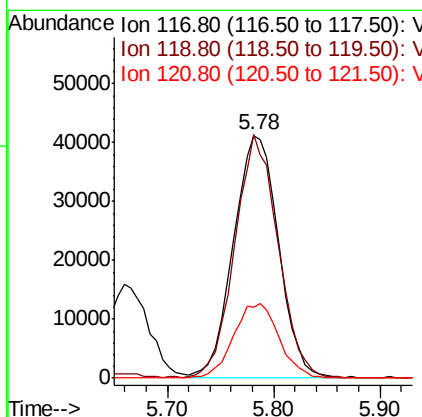
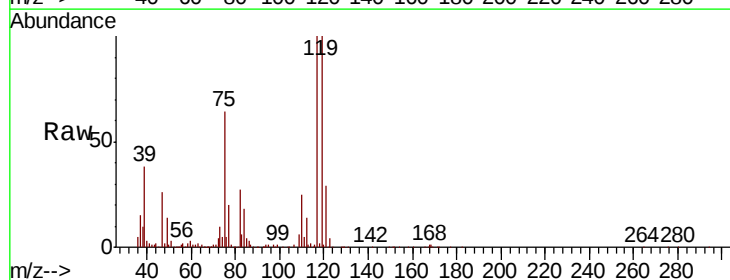
Manual Integrations
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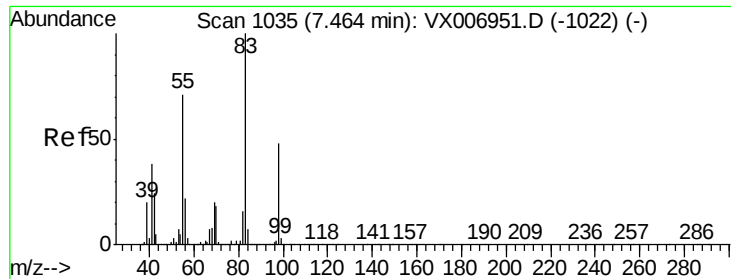
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.286 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	117	Resp	121541
Ion Ratio	Lower	Upper	
117	100		
119	100.3	79.4	119.2
121	29.3	24.0	36.0





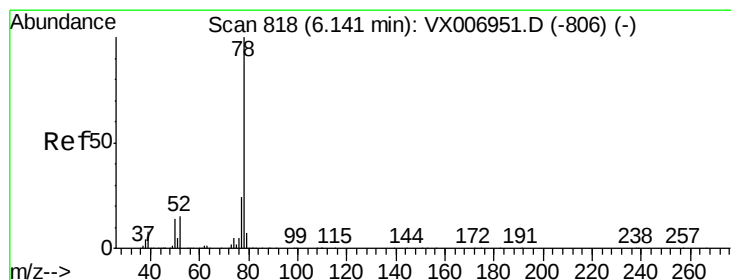
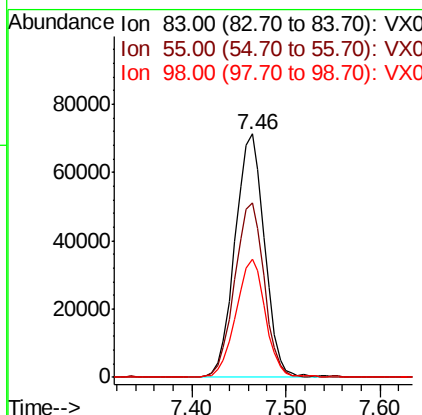
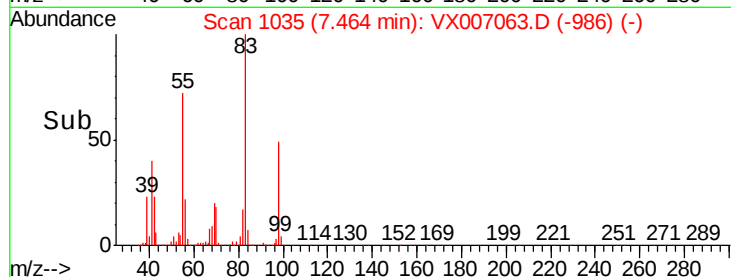
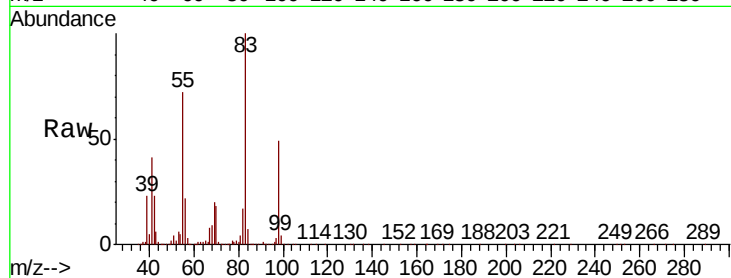
#39
Methvlcvclohexane
Concen: 19.535 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	54.9	82.3
98	48.3	37.9	56.9

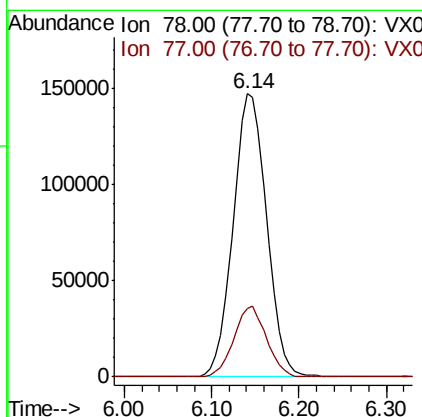
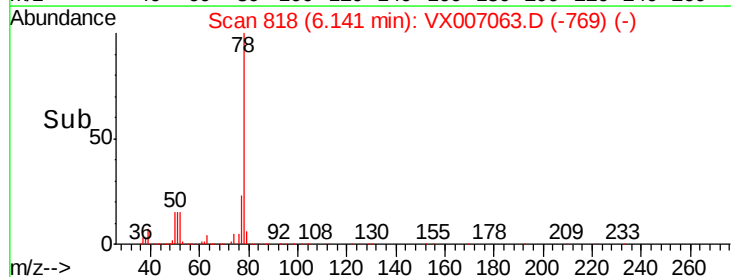
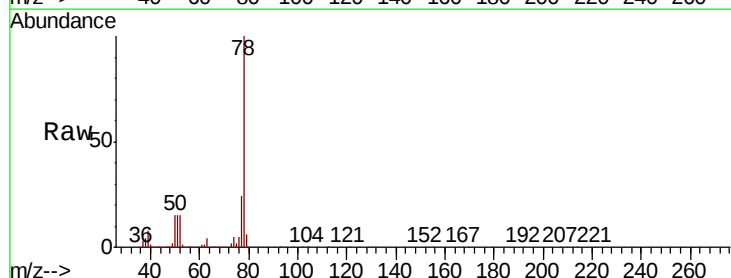
Manual Integrations
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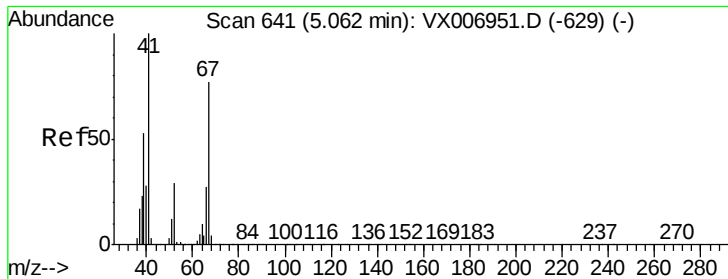
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#40
Benzene
Concen: 20.507 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





#41

Methacrylonitrile

Concen: 19.935 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 41 Resp: 77120

Ion Ratio Lower Upper

41 100

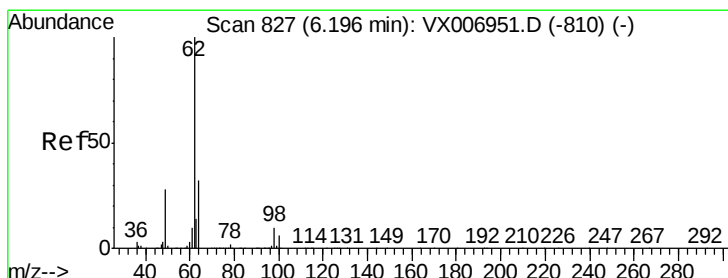
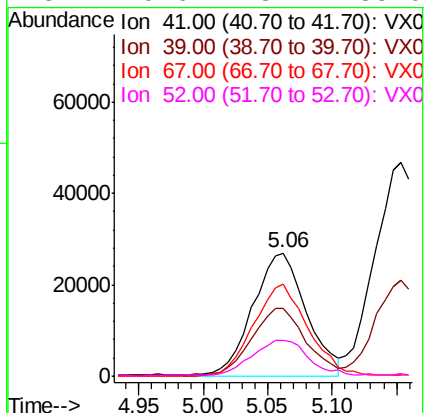
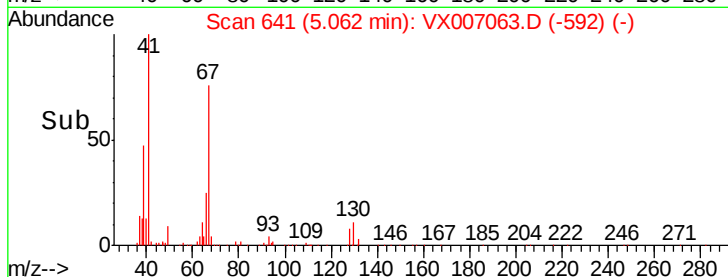
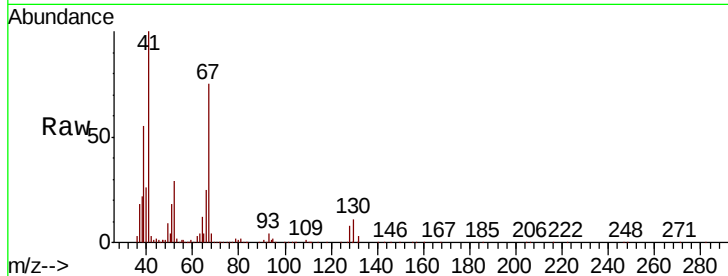
39 54.5 42.8 64.2

67 77.7 62.1 93.1

52 29.6 23.4 35.0

Manual Integrations
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1/17/2019 8:37:02 AM



#42

1,2-Dichloroethane

Concen: 20.264 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX007063.D

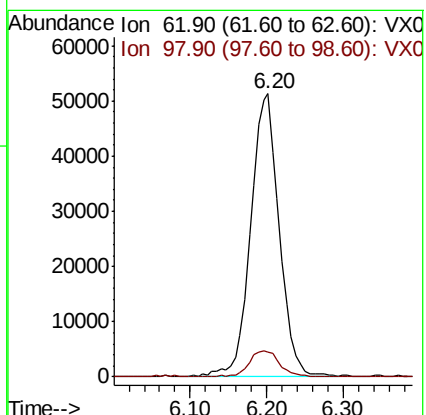
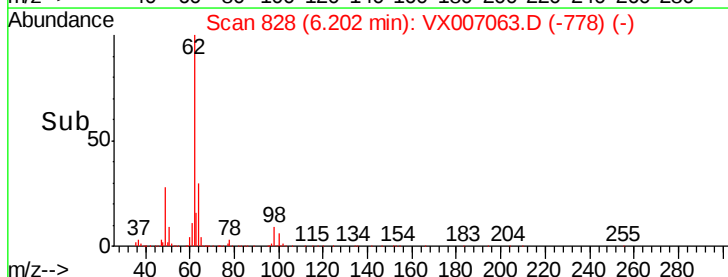
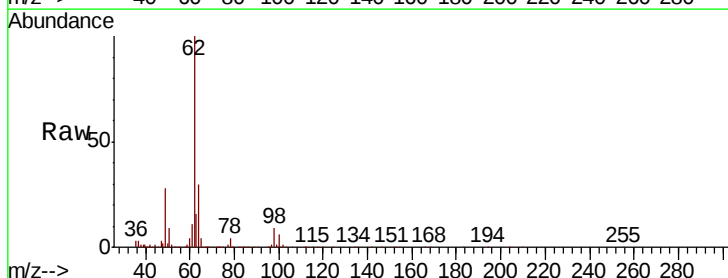
Acq: 15 Jan 2019 17:20

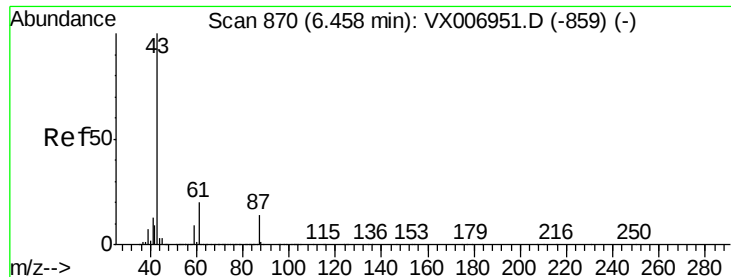
Tgt Ion: 62 Resp: 133836

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.2





#43

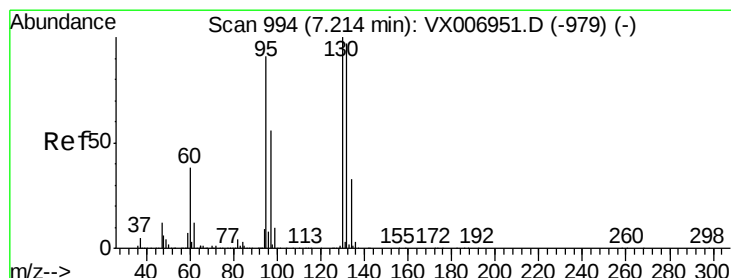
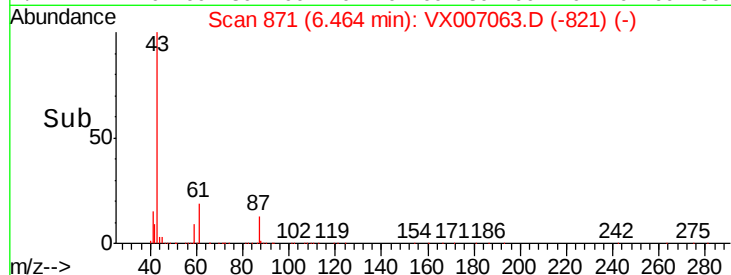
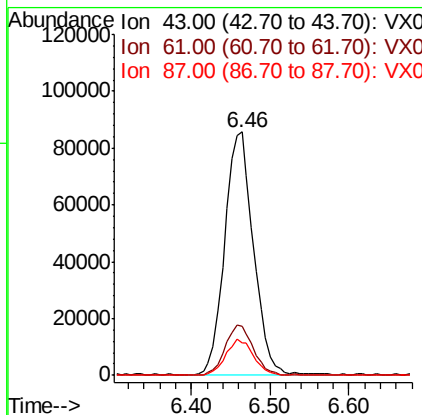
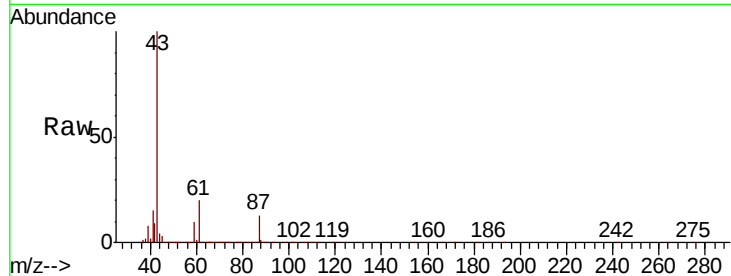
Isopropyl Acetate
 Concen: 20.468 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	14.3	12.4	18.6

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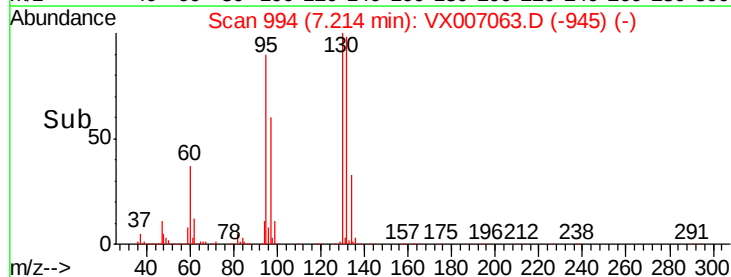
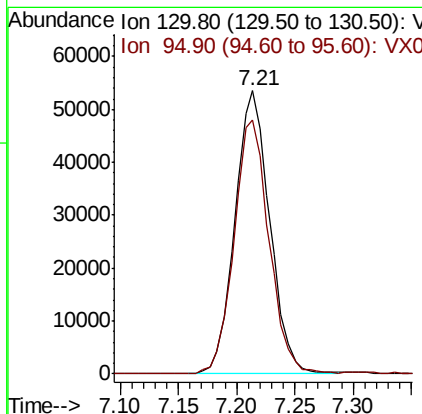
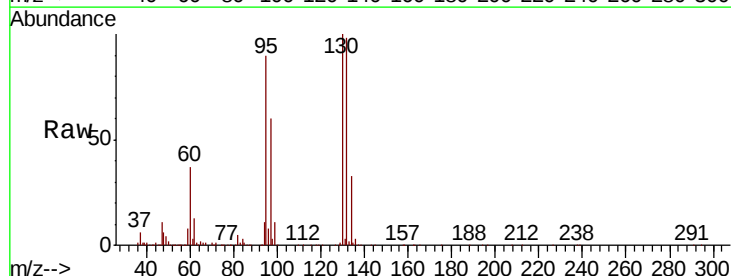
MMDadoda
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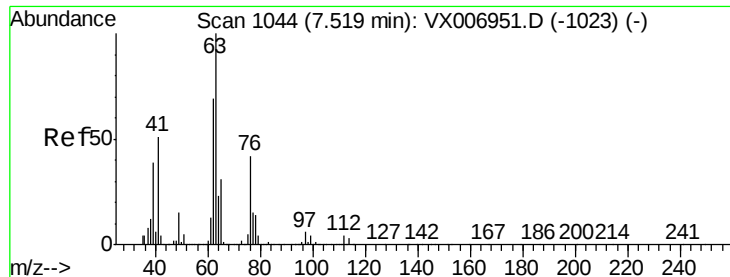


#44

Trichloroethene
 Concen: 19.455 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.556 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 63 Resp: 98771

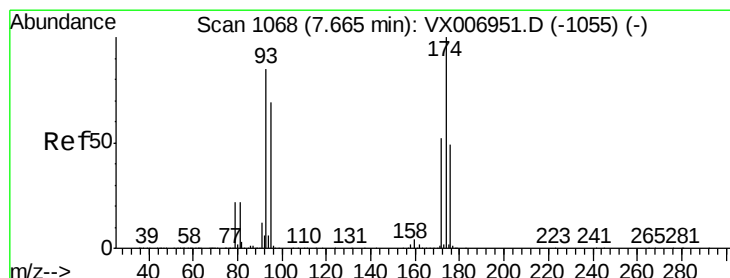
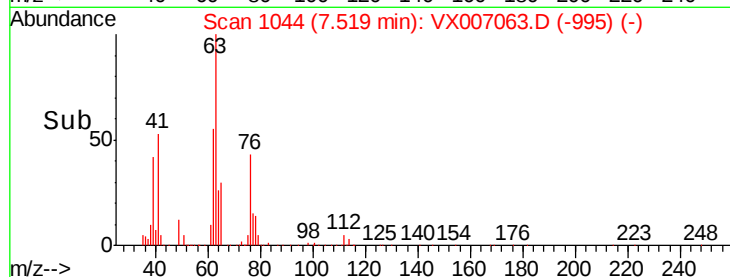
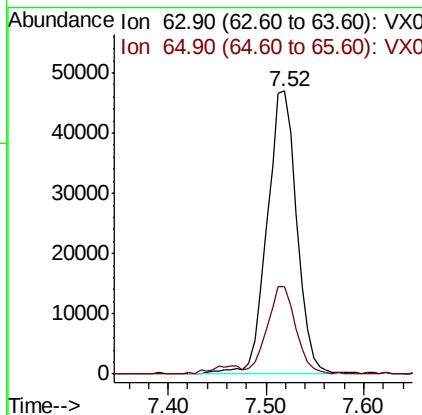
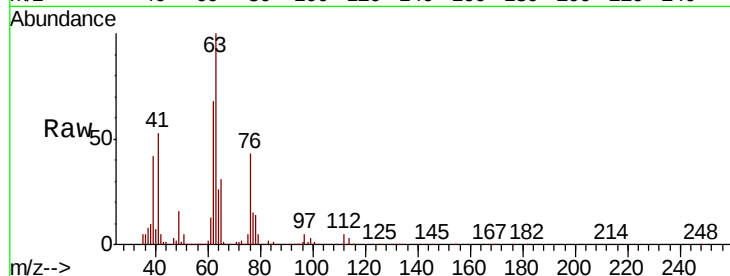
Ion Ratio Lower Upper

63 100

65 30.4 25.4 38.0

Manual Integrations
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#46

Dibromomethane

Concen: 20.835 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

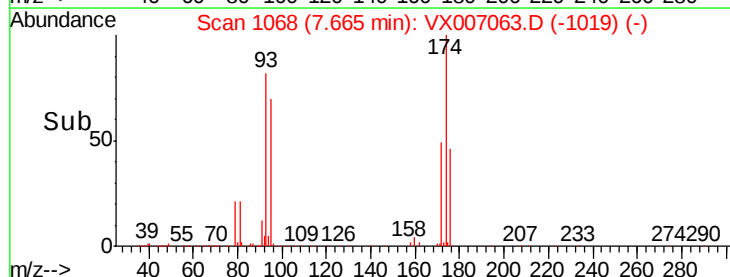
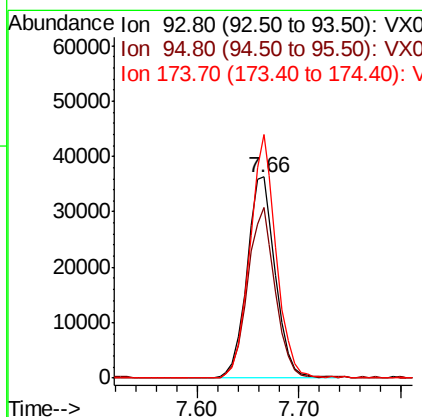
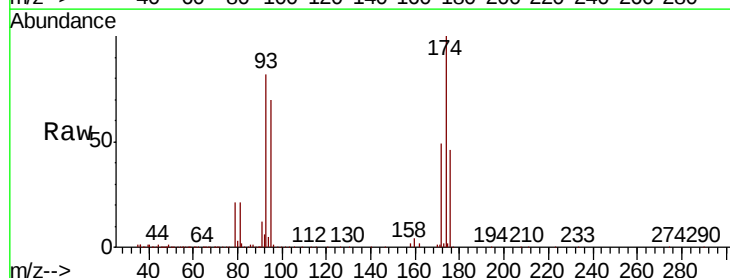
Tgt Ion: 93 Resp: 70358

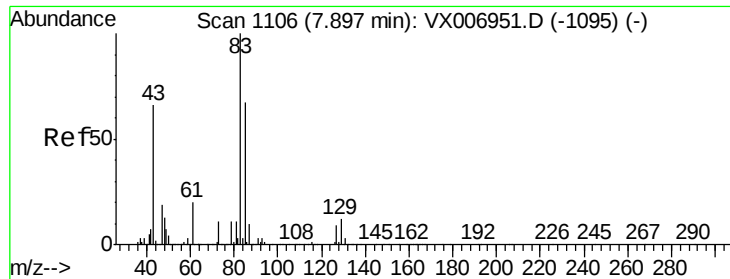
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 112.7 91.0 136.4





#47

Bromodichloromethane

Concen: 19.921 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

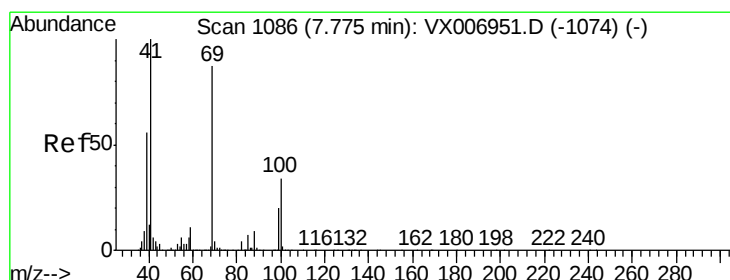
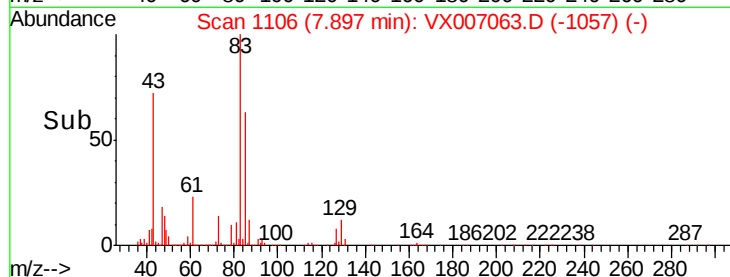
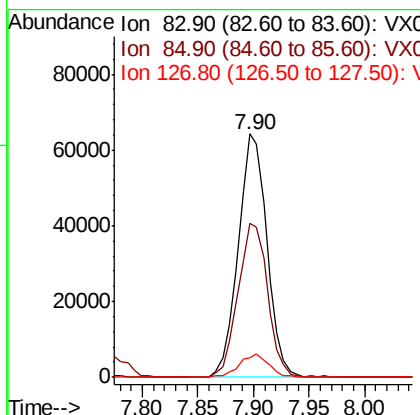
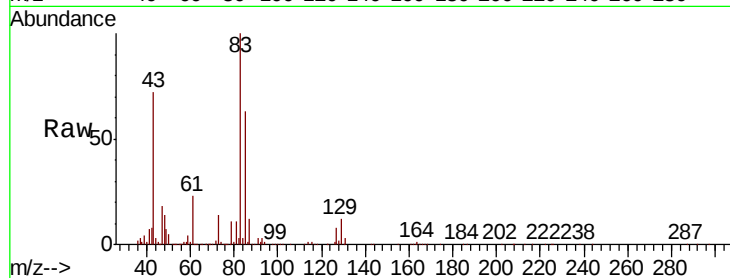
ClientSampleId :

VX0115WBSD02

Tot Ion:	83	Resp:	114508
Ion Ratio	Lower	Upper	
83	100		
85	63.4	53.2	79.8
127	8.2	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.778 ug/l

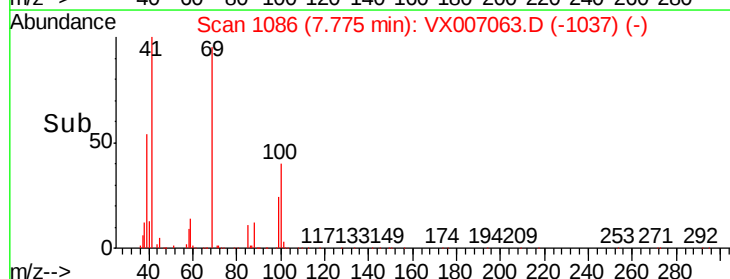
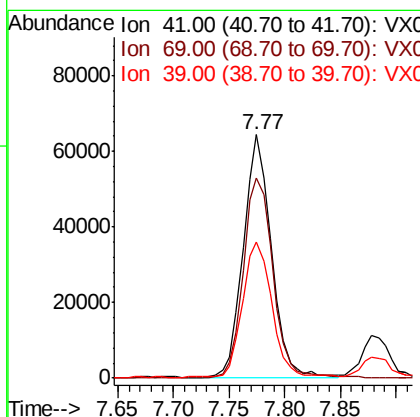
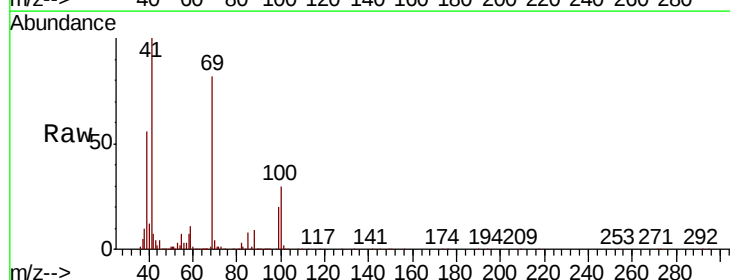
RT: 7.77 min Scan# 1086

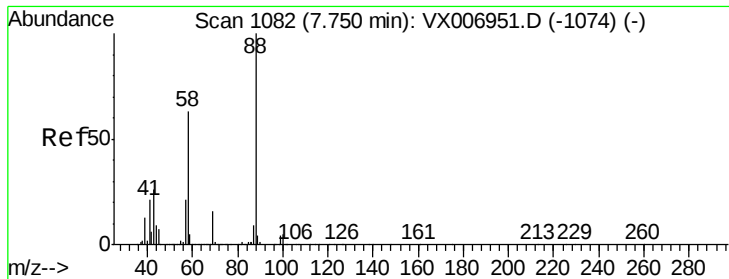
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	41	Resp:	113023
Ion Ratio	Lower	Upper	
41	100		
69	88.0	72.4	108.6
39	58.8	45.8	68.8





#49

1,4-Dioxane

Concen: 457.785 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

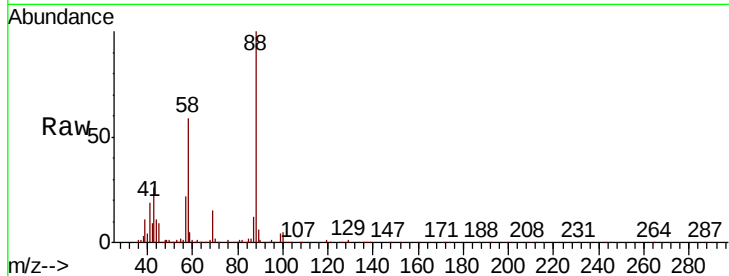
ClientSampleId :

VX0115WBSD02

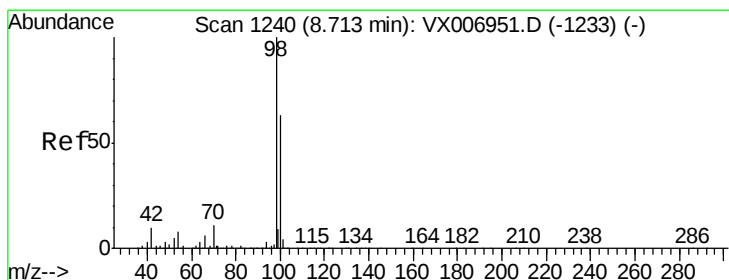
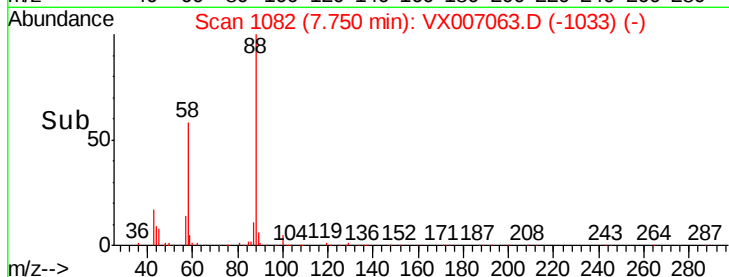
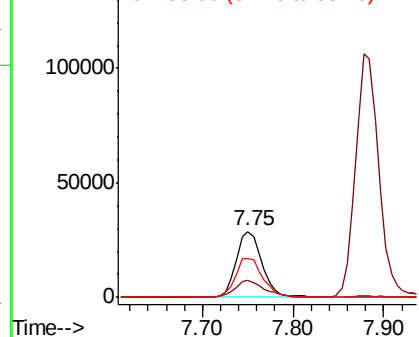
Tot Ion:	88	Resp:	57446
Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.2	33.4
58	61.6	51.0	76.4

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.883 ug/l

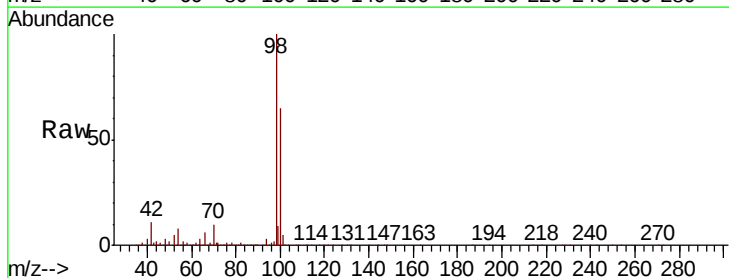
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

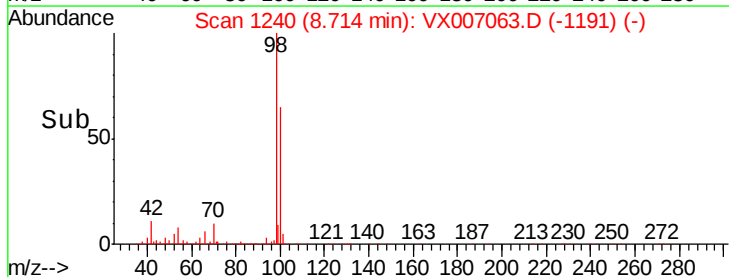
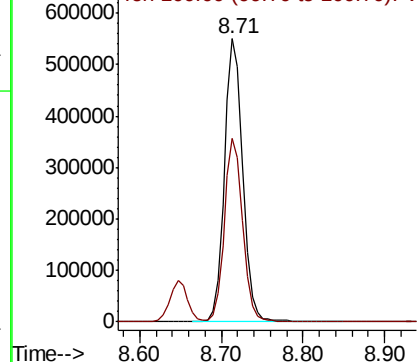
Lab File: VX007063.D

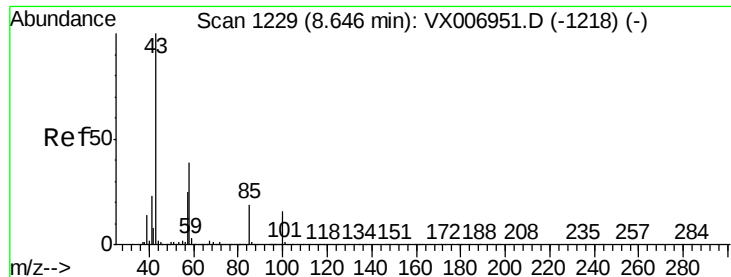
Acq: 15 Jan 2019 17:20

Tgt Ion:	98	Resp:	859287
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 112.865 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 43 Resp: 768308

Ion Ratio Lower Upper

43 100

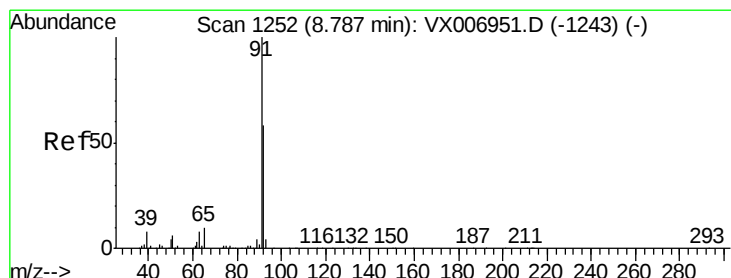
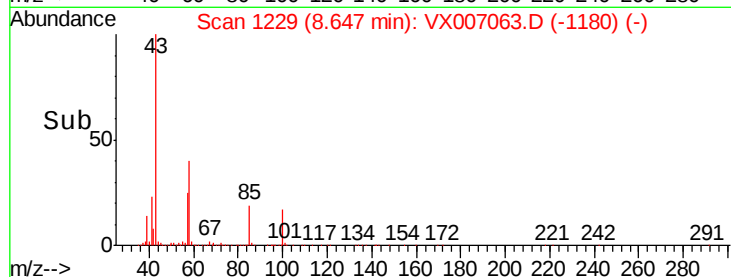
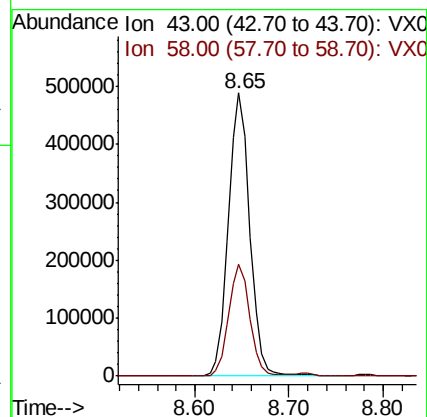
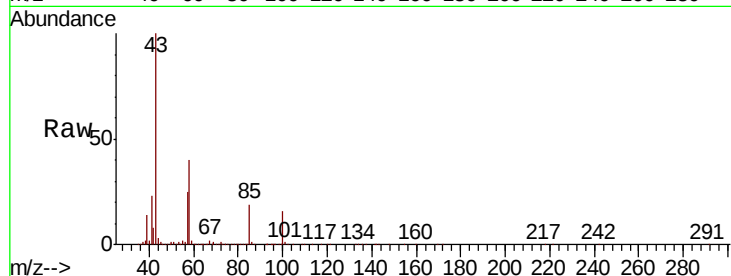
58 39.1 31.8 47.6

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#52

Toluene

Concen: 20.833 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007063.D

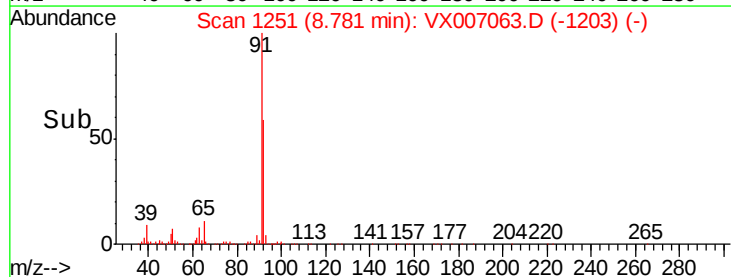
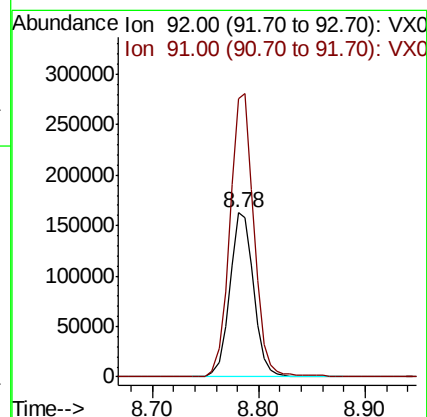
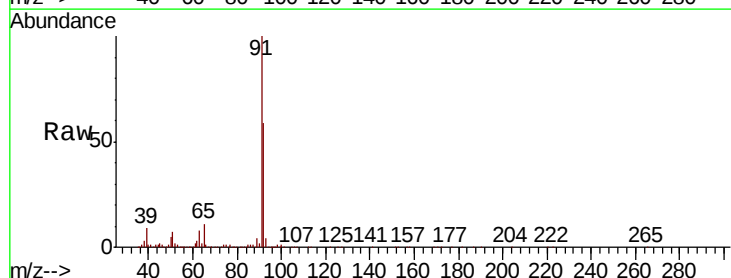
Acq: 15 Jan 2019 17:20

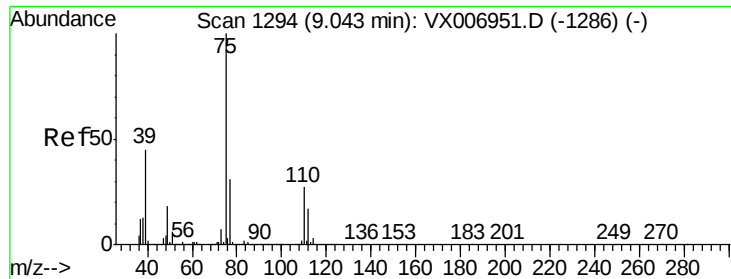
Tgt Ion: 92 Resp: 255917

Ion Ratio Lower Upper

92 100

91 173.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.189 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 75 Resp: 122305

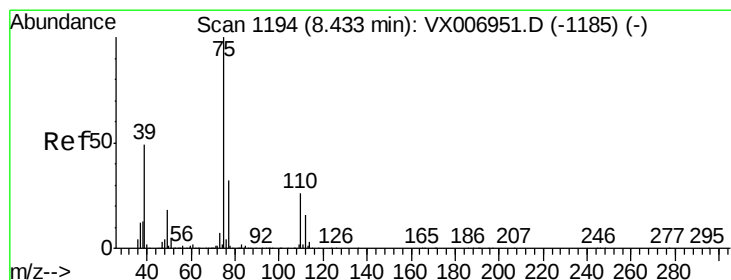
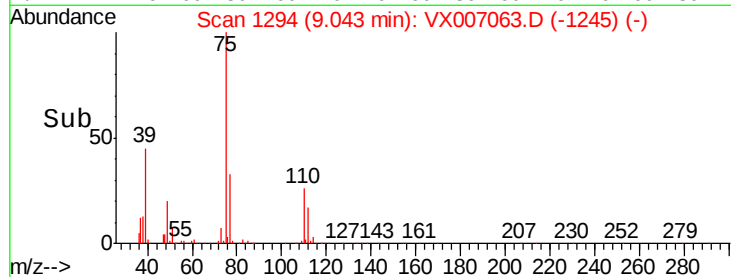
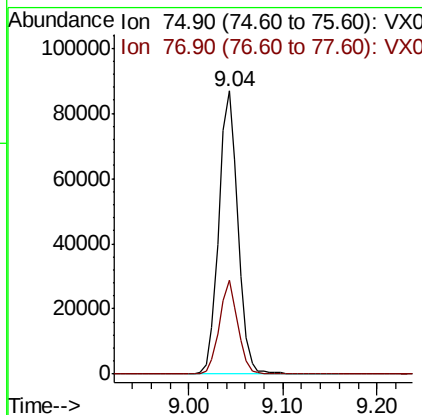
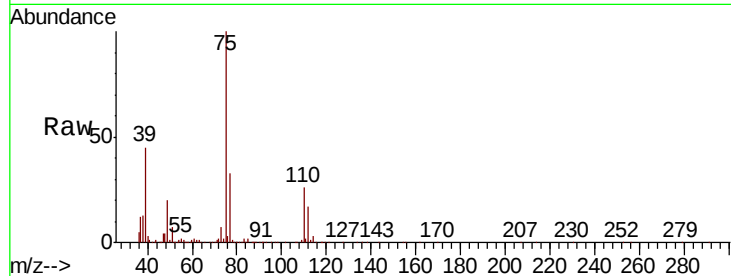
Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.662 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

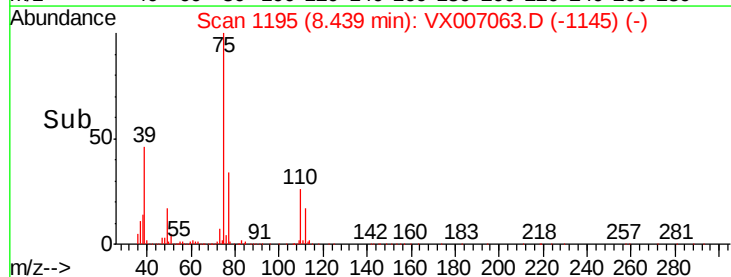
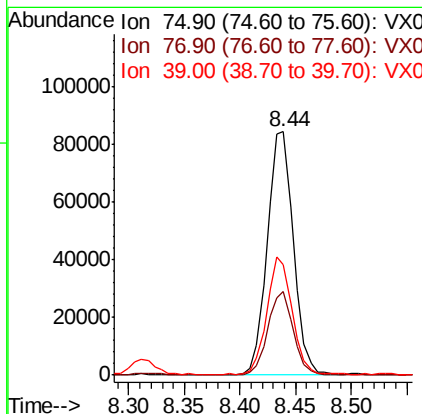
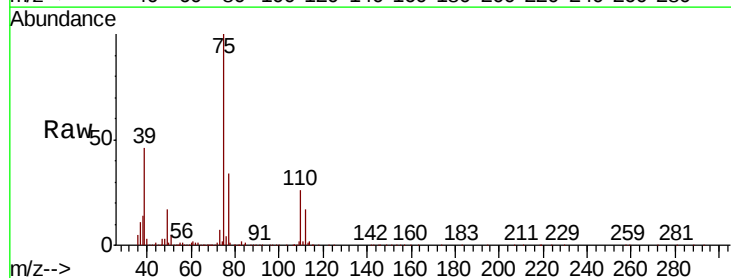
Tgt Ion: 75 Resp: 138396

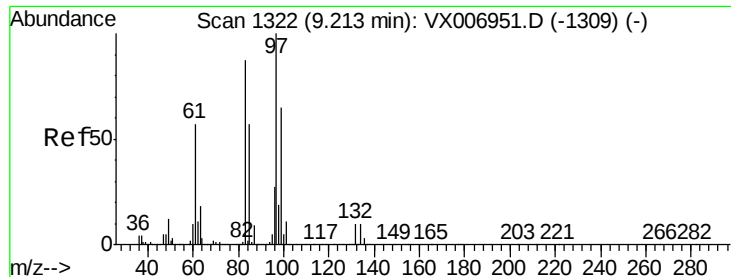
Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.2

39 45.1 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 21.449 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

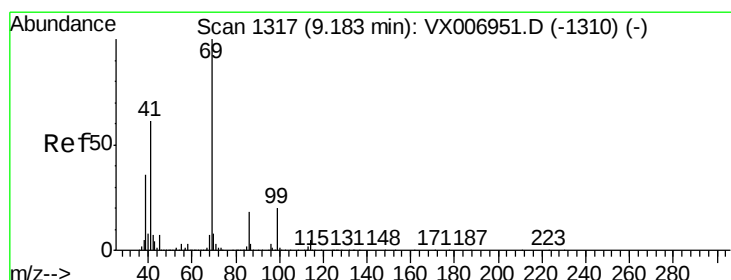
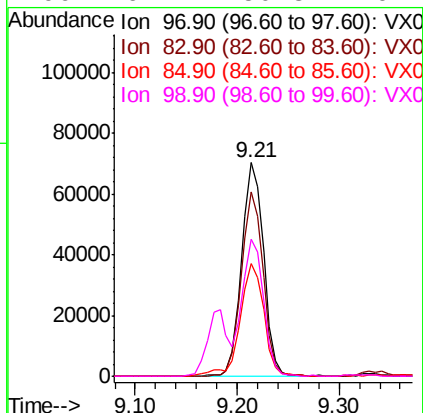
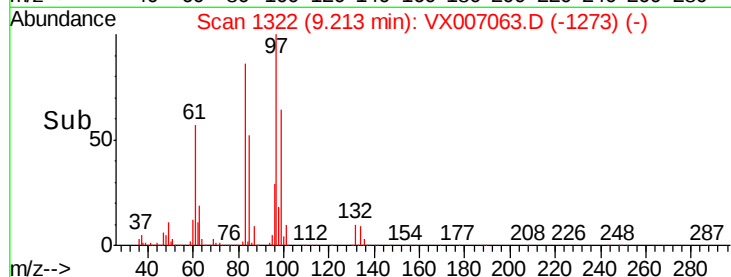
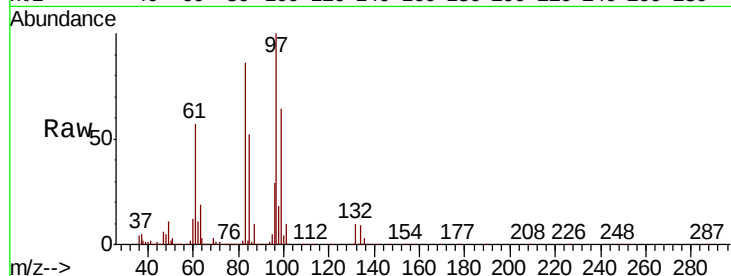
ClientSampleId :

VX0115WBSD02

Tot Ion:	97	Resp:	105465
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.6	99.8
85	52.4	42.7	64.1
99	64.1	50.8	76.2

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#56

Ethyl methacrylate

Concen: 21.230 ug/l

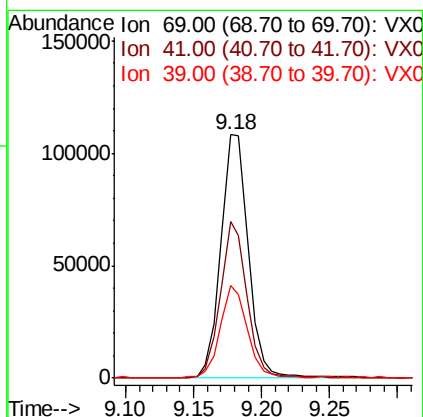
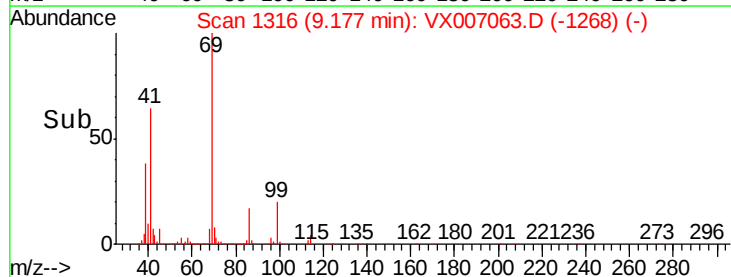
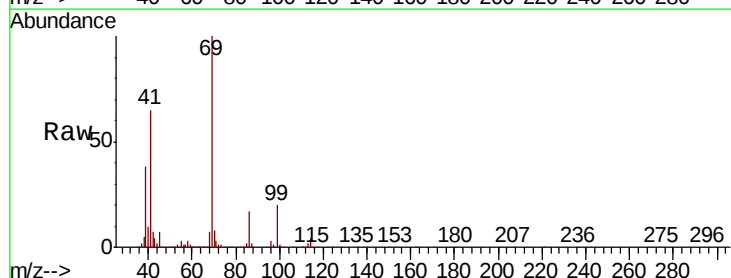
RT: 9.18 min Scan# 1316

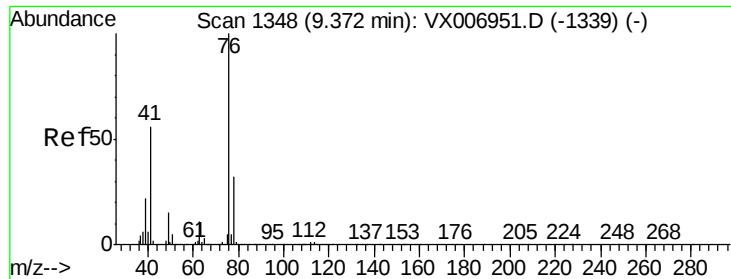
Delta R.T. -0.01 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	69	Resp:	152390
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.7	73.1
39	36.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 21.277 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 76 Resp: 171390

Ion Ratio Lower Upper

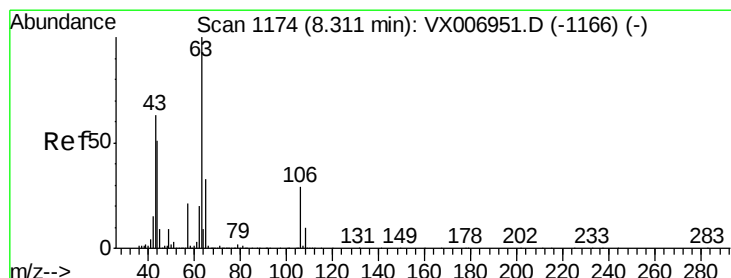
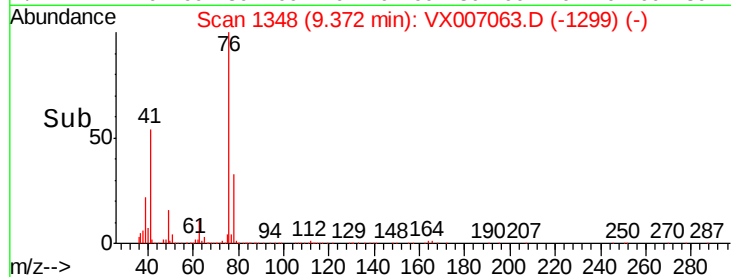
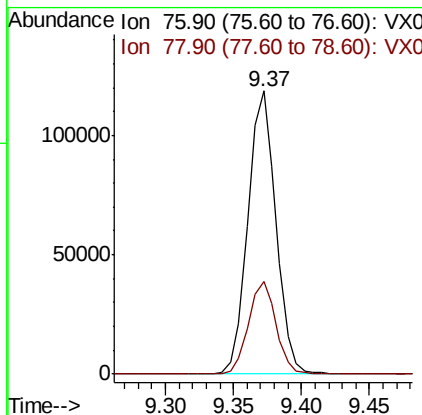
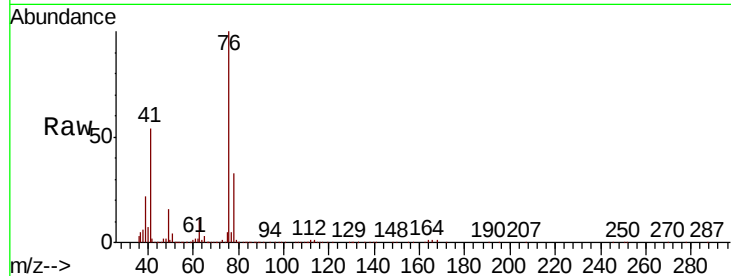
76 100

78 32.6 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 107.403 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007063.D

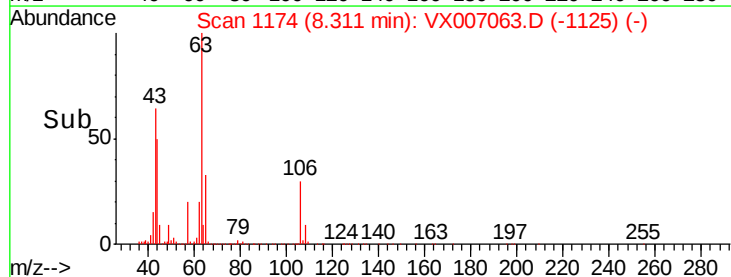
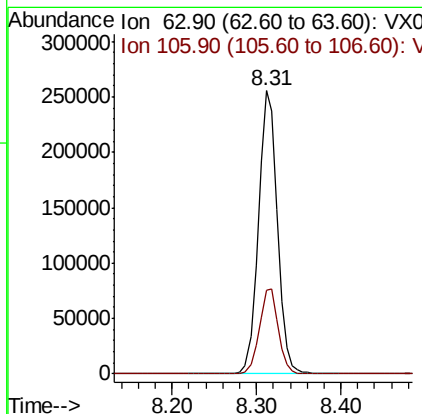
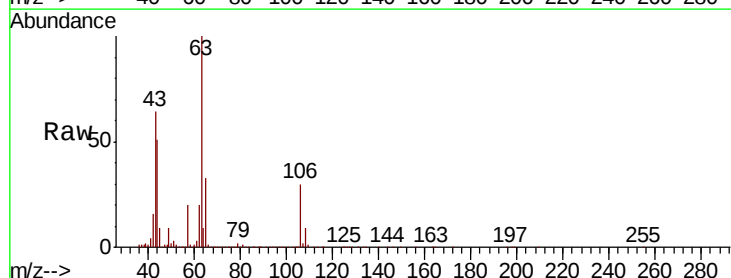
Acq: 15 Jan 2019 17:20

Tgt Ion: 63 Resp: 396388

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8





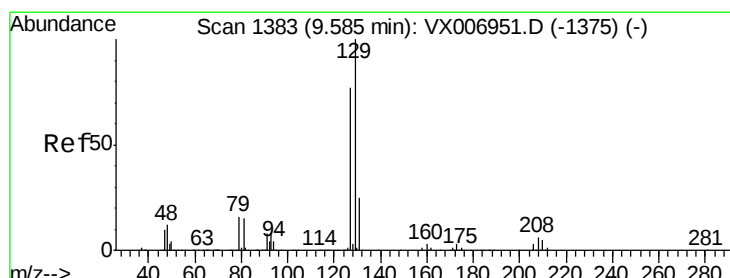
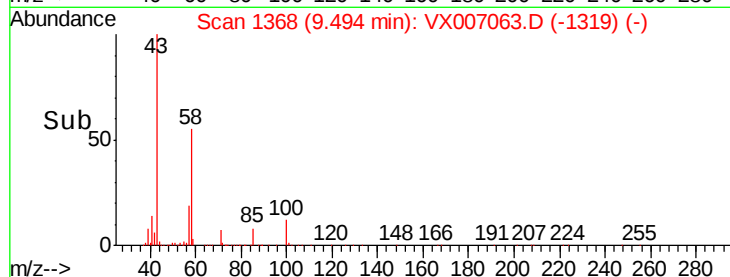
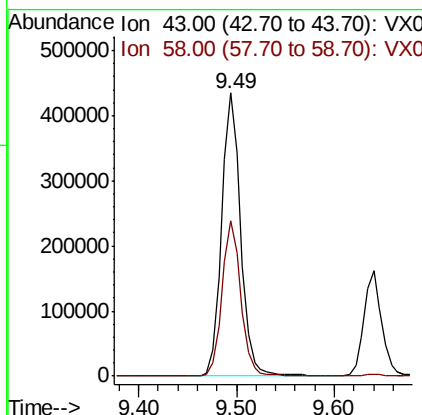
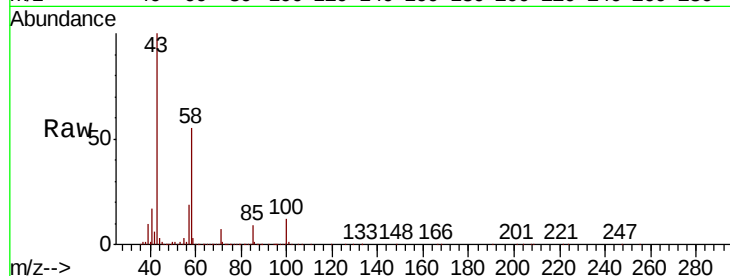
#59
2-Hexanone
Concen: 112.441 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion: 43 Resp: 583298
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1

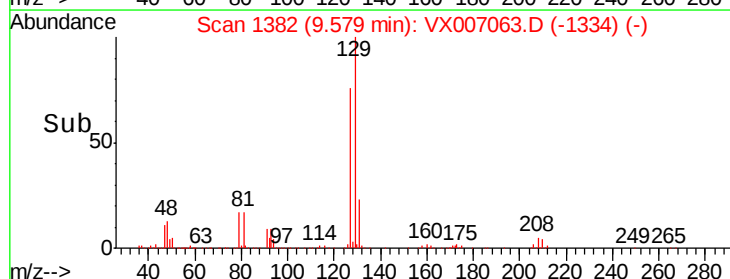
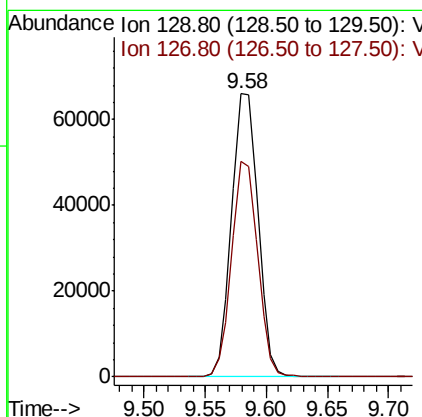
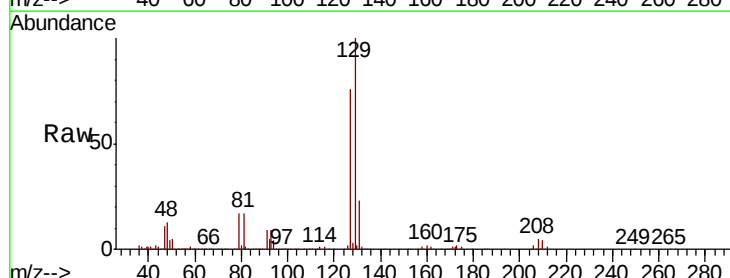
Manual Integrations
APPROVED

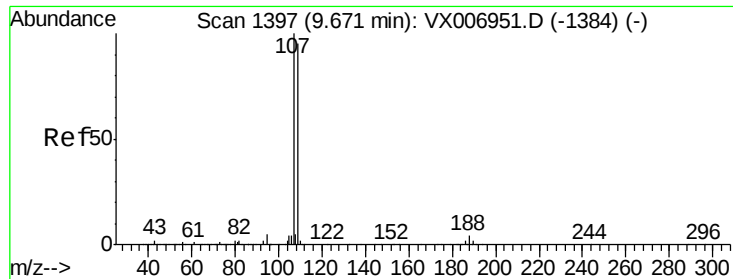
MMDadoda
1/17/2019 8:37:02 AM



#60
Dibromochloromethane
Concen: 20.743 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion: 129 Resp: 99038
Ion Ratio Lower Upper
129 100
127 74.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.675 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 107 Resp: 111916

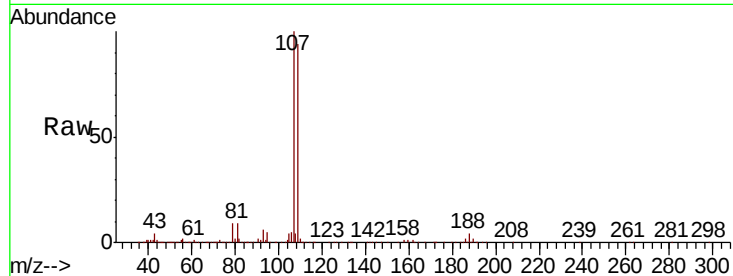
Ion Ratio Lower Upper

107 100

109 96.9 75.8 113.6

Manual Integrations
APPROVED

MMDadoda
1/17/2019 8:37:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

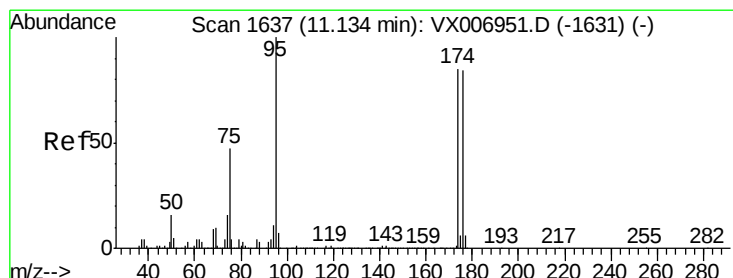
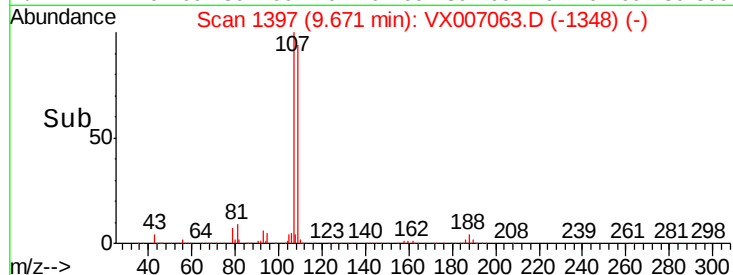
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.677 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

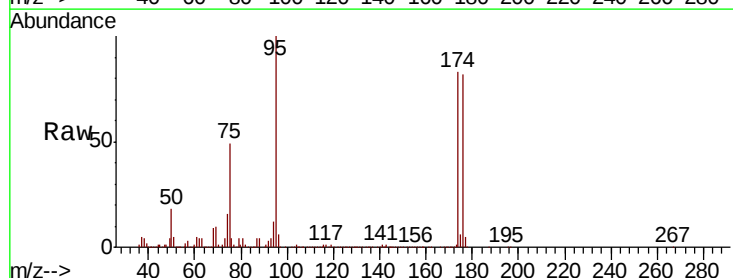
Tgt Ion: 95 Resp: 310131

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.2

176 90.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

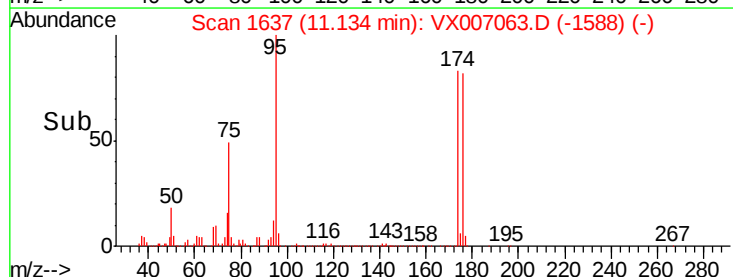
100000

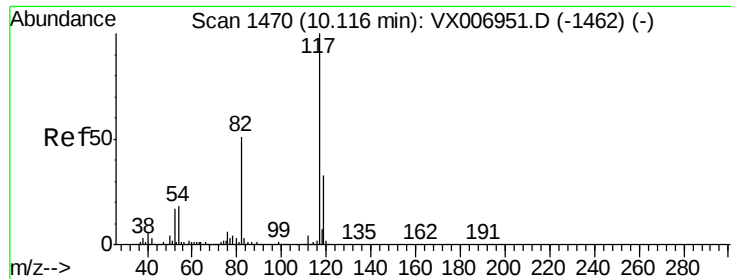
50000

0

11.10 11.20

Time-->





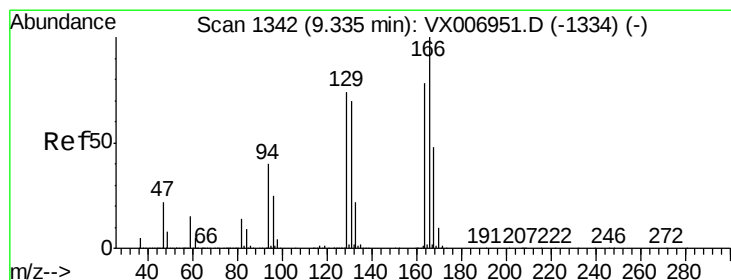
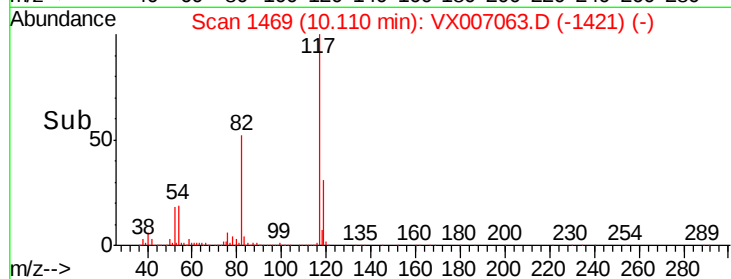
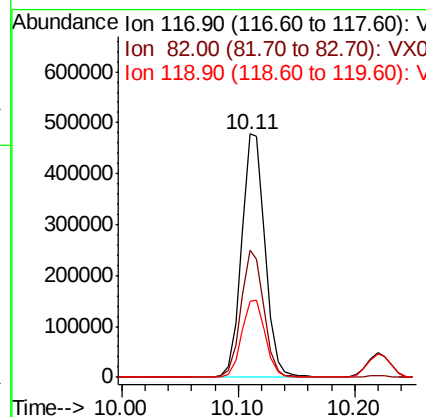
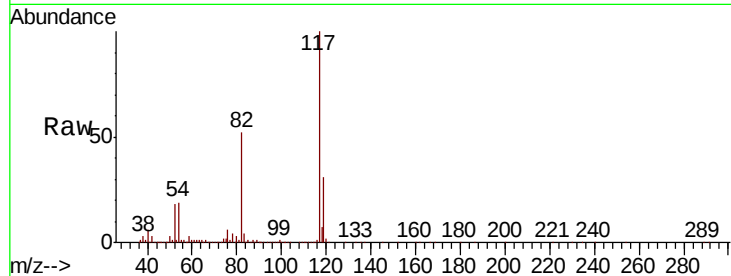
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.0	61.6
119	31.2	25.4	38.0

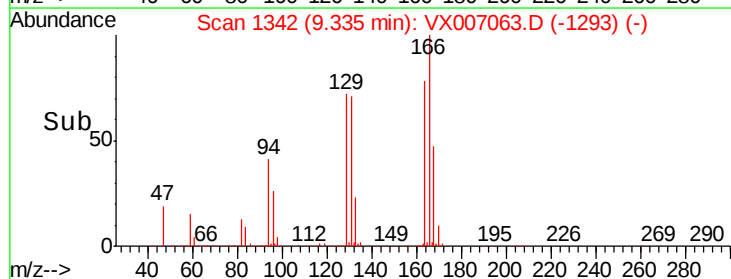
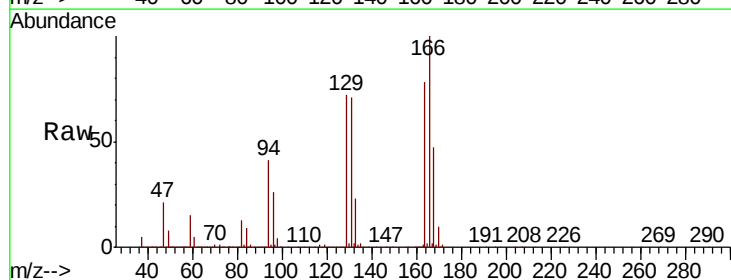
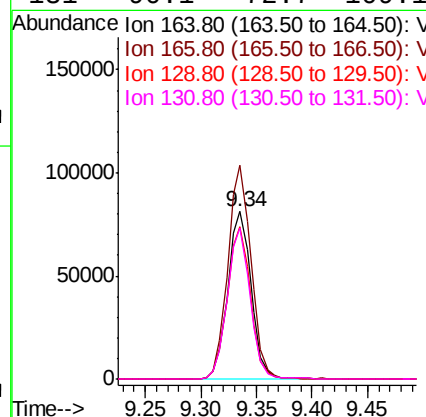
Manual Integrations
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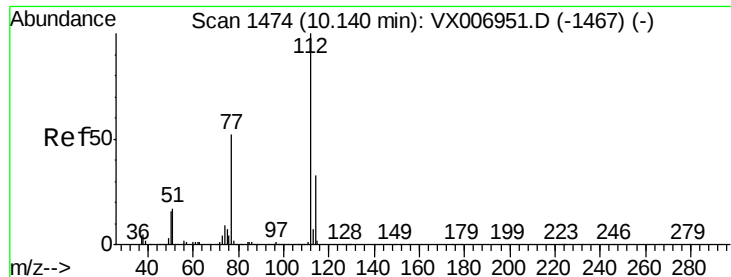
MMDadoda
1/17/2019 8:37:02 AM



#64
Tetrachloroethene
Concen: 20.456 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.5	153.7
129	91.3	75.1	112.7
131	90.1	72.7	109.1





#65

Chlorobenzene

Concen: 20.087 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion:112 Resp: 293099

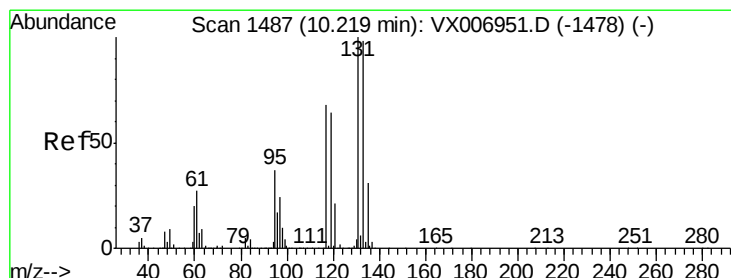
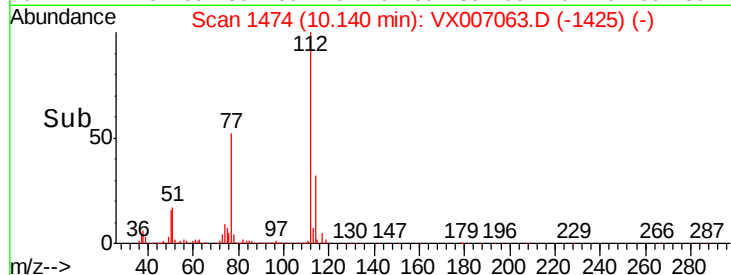
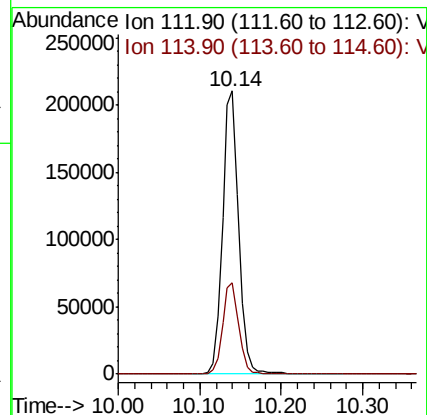
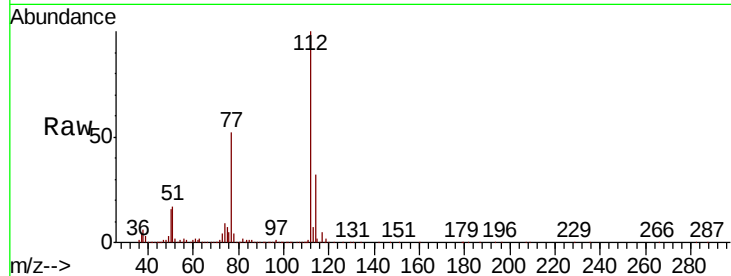
Ion Ratio Lower Upper

112 100

114 32.4 25.7 38.5

Manual Integrations
APPROVED

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1/17/2019 8:37:02 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.009 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

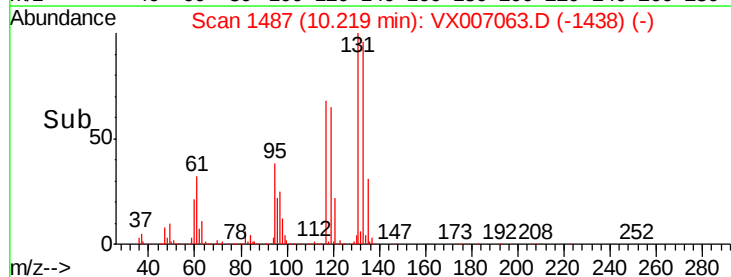
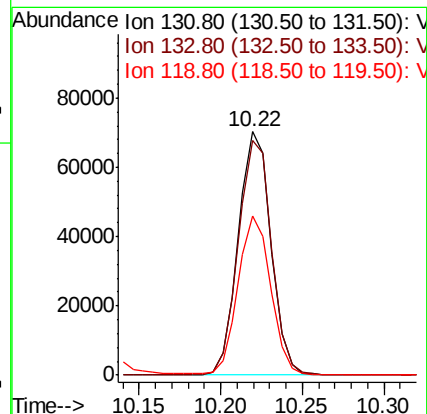
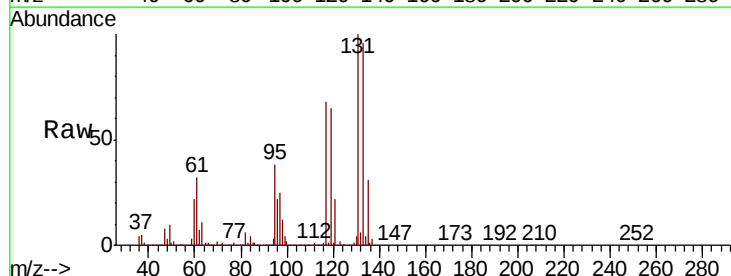
Tgt Ion:131 Resp: 98216

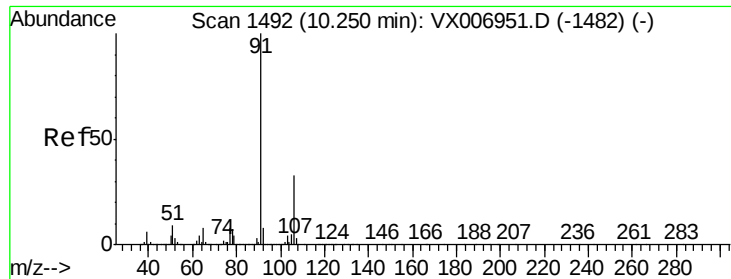
Ion Ratio Lower Upper

131 100

133 98.4 48.0 144.2

119 65.8 32.6 97.8





#67

Ethyl Benzene

Concen: 19.840 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 91 Resp: 477912

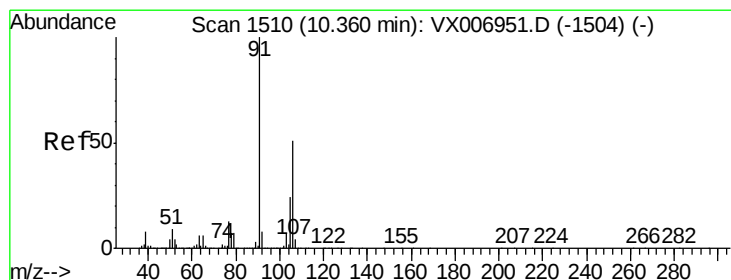
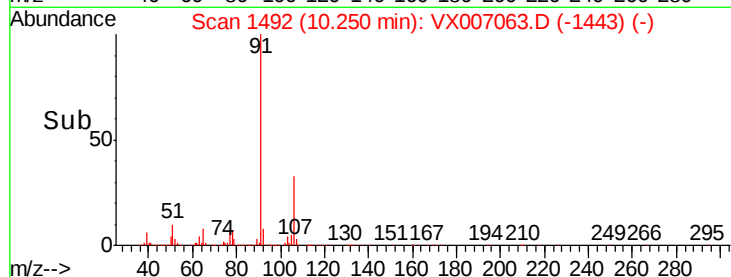
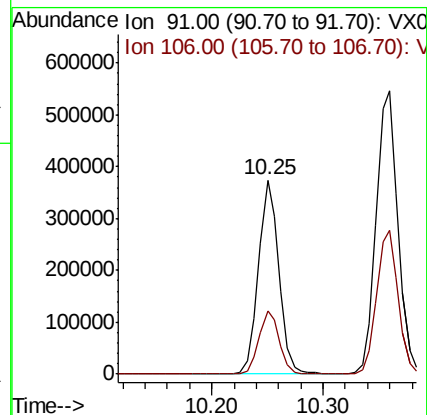
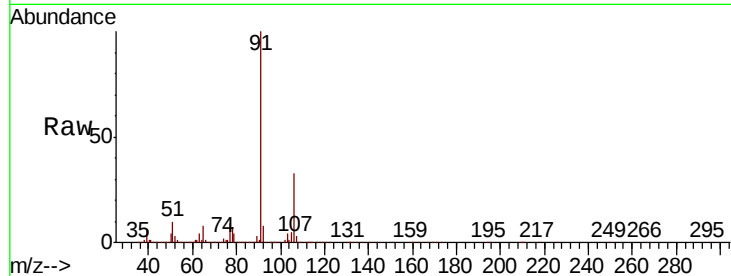
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.879 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007063.D

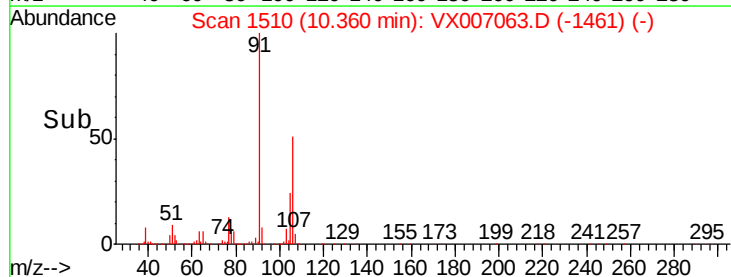
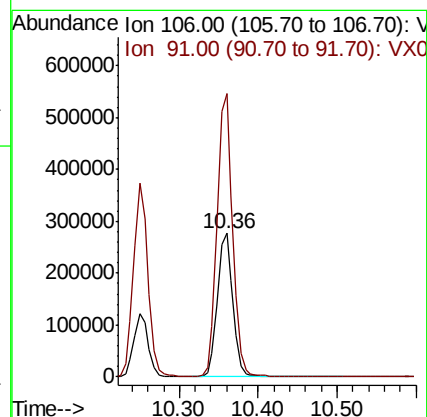
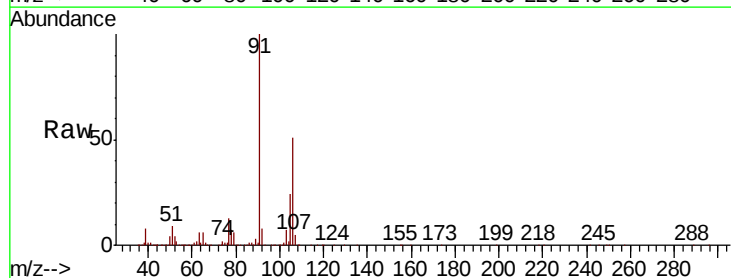
Acq: 15 Jan 2019 17:20

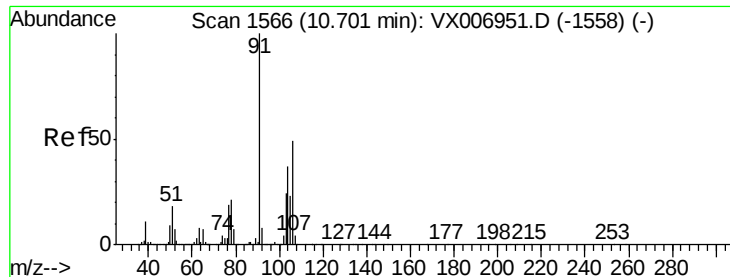
Tgt Ion: 106 Resp: 378469

Ion Ratio Lower Upper

106 100

91 197.9 155.8 233.6





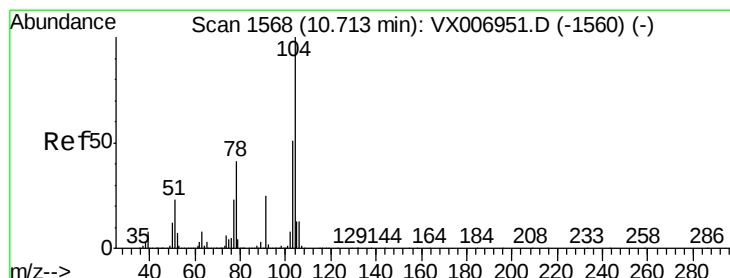
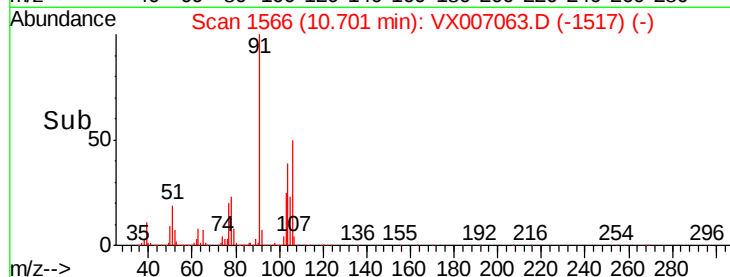
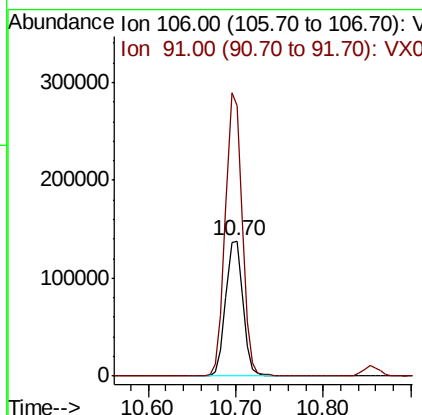
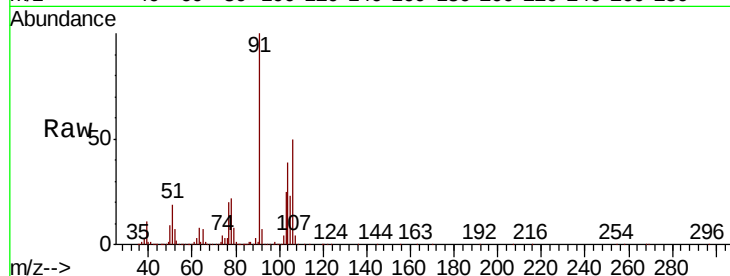
#69
o-Xylene
Concen: 20.462 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	101.3	303.7

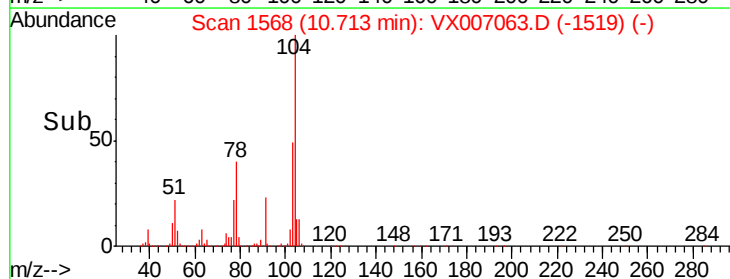
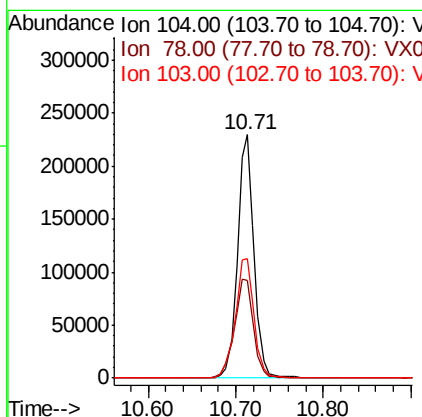
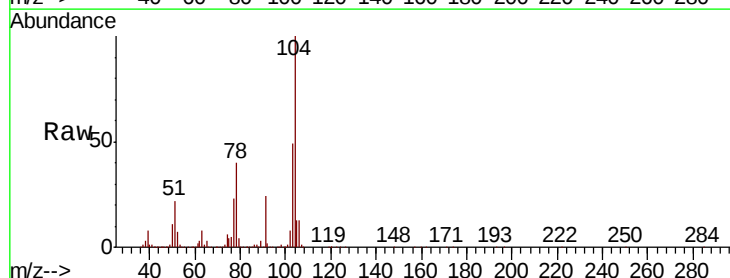
Manual Integrations
APPROVED

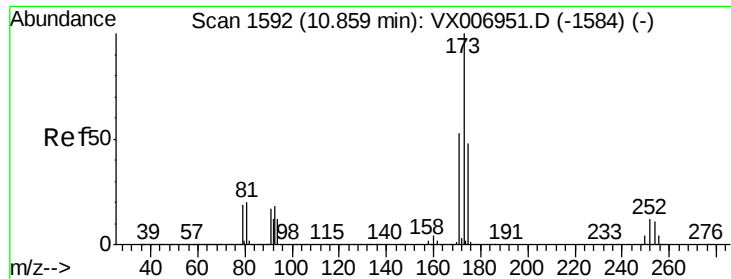
MMDadoda
1/17/2019 8:37:02 AM



#70
Styrene
Concen: 20.685 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.7	56.5
103	56.1	43.8	65.8





#71

Bromoform

Concen: 19.242 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion:173 Resp: 70395

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

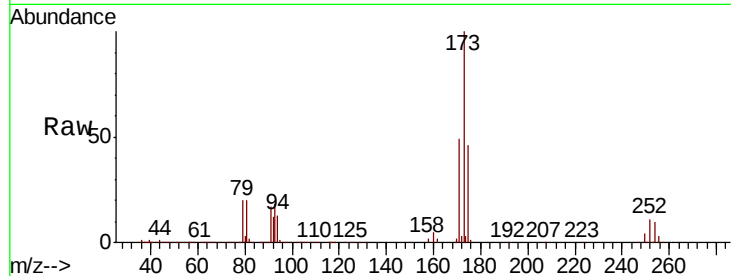
254 0.3 0.2 0.2#

Manual Integrations

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MMDadoda

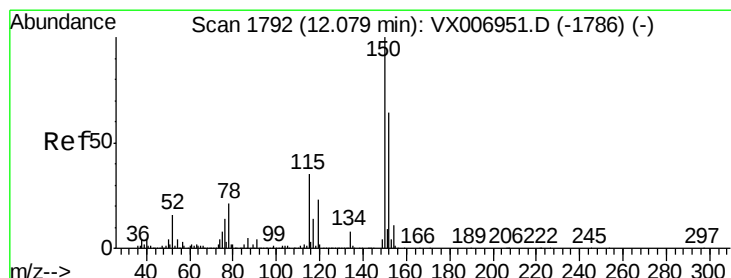
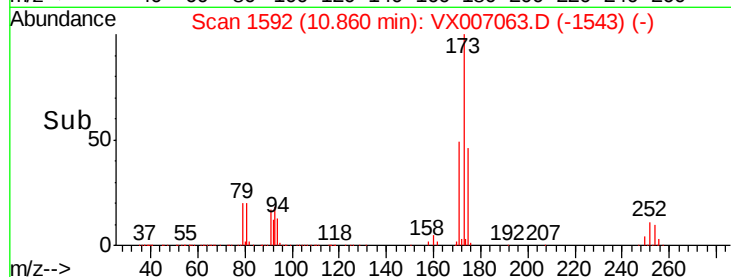
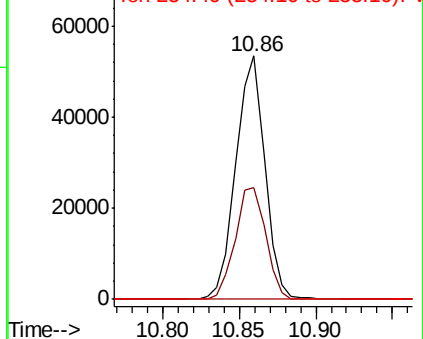
1/17/2019 8:37:02 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

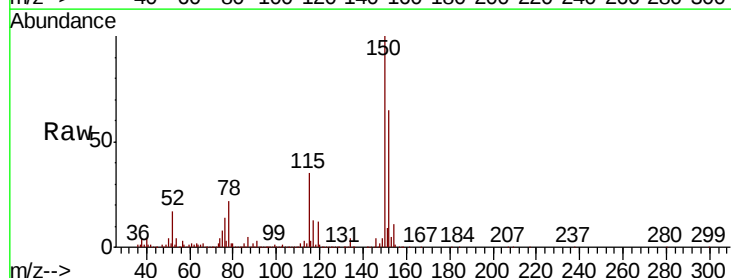
Tgt Ion:152 Resp: 339924

Ion Ratio Lower Upper

152 100

115 65.4 39.1 117.2

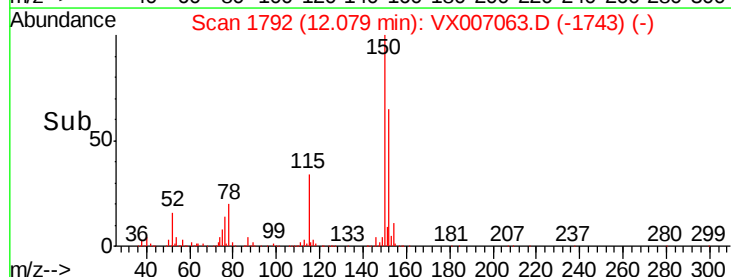
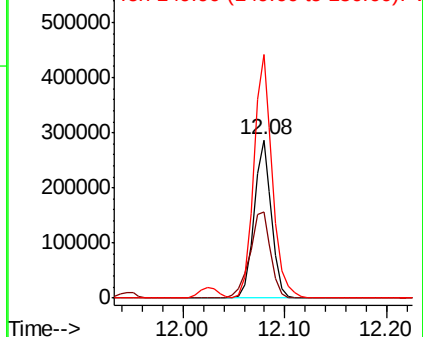
150 164.4 0.0 344.8

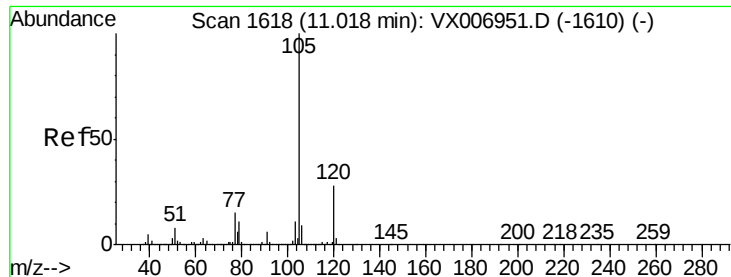


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.626 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion:105 Resp: 494399

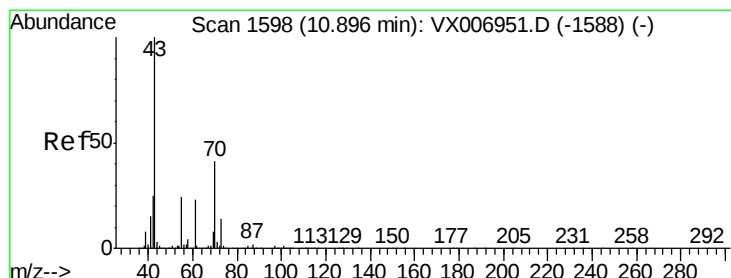
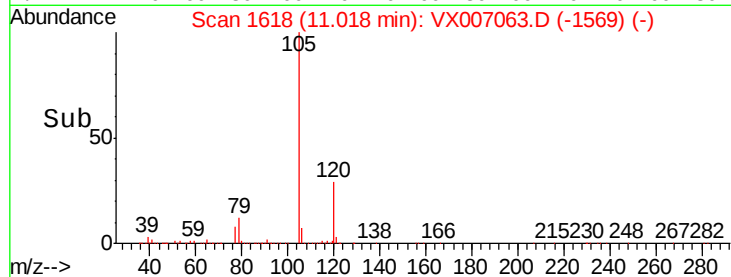
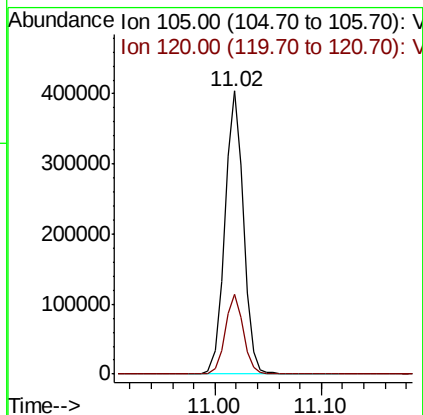
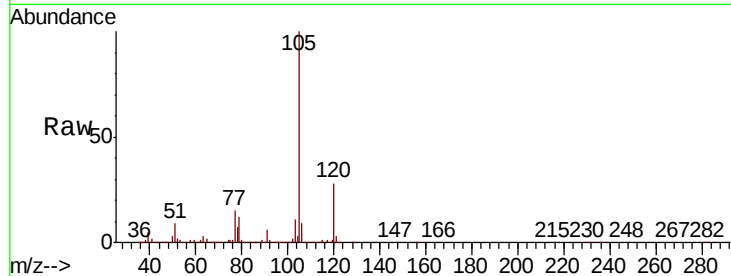
Ion Ratio Lower Upper

105 100

120 27.6 14.1 42.4

Manual Integrations
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1/17/2019 8:37:02 AM



#74

N-ethyl acetate

Concen: 20.147 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion: 43 Resp: 194427

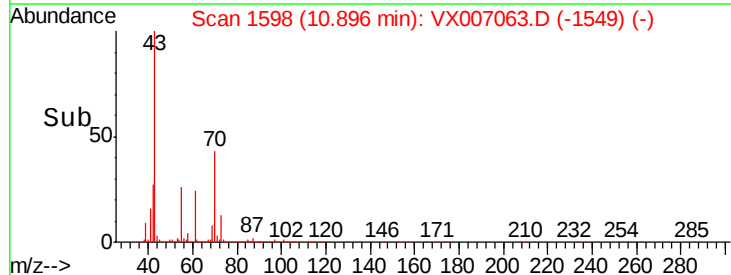
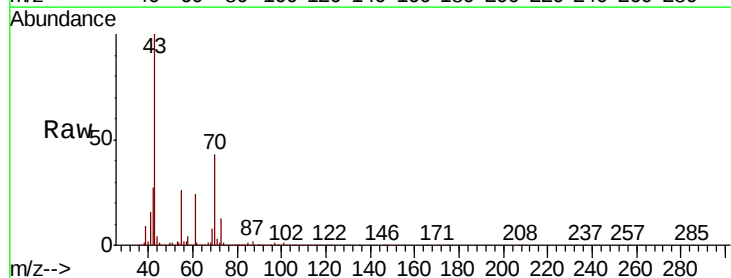
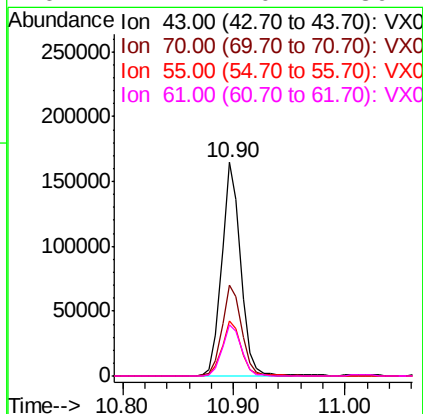
Ion Ratio Lower Upper

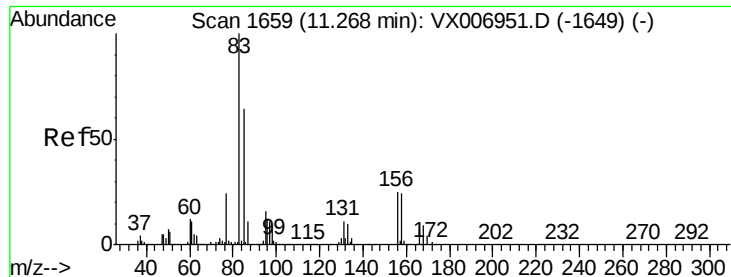
43 100

70 43.5 35.8 53.8

55 25.9 19.4 29.0

61 24.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.006 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD02

Tot Ion: 83 Resp: 159848

Ion Ratio Lower Upper

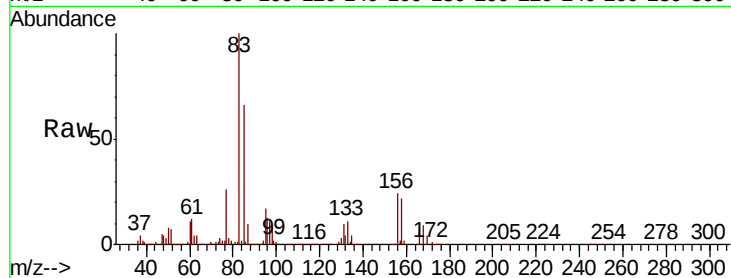
83 100

131 11.1 5.7 17.1

85 65.1 32.2 96.6

Manual Integrations
APPROVED

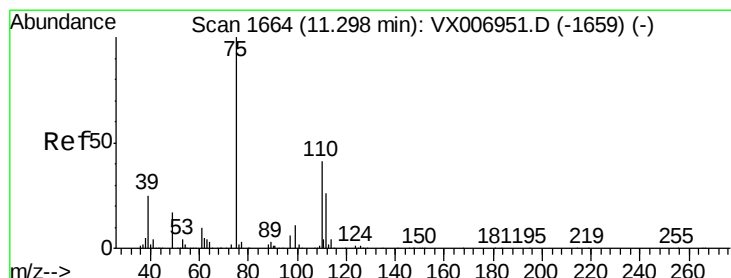
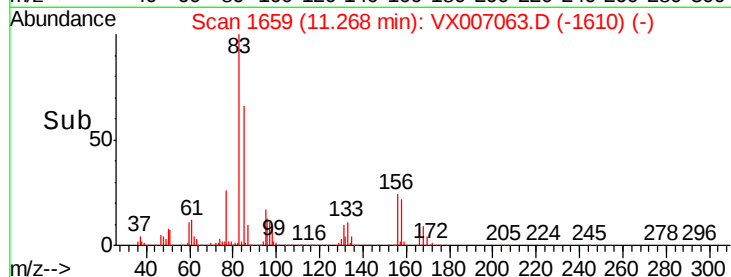
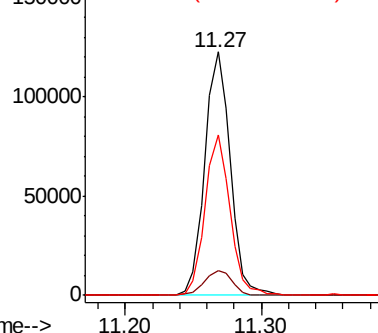
MMDadoda
1/17/2019 8:37:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.542 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007063.D

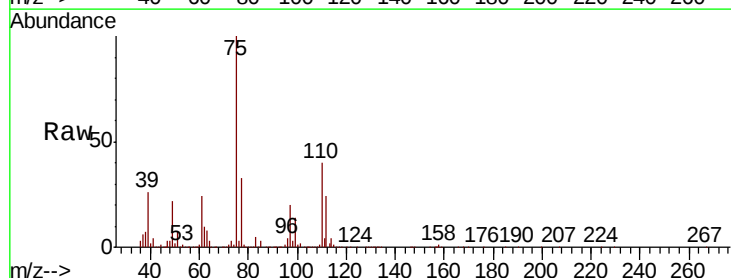
Acq: 15 Jan 2019 17:20

Tgt Ion: 75 Resp: 148389

Ion Ratio Lower Upper

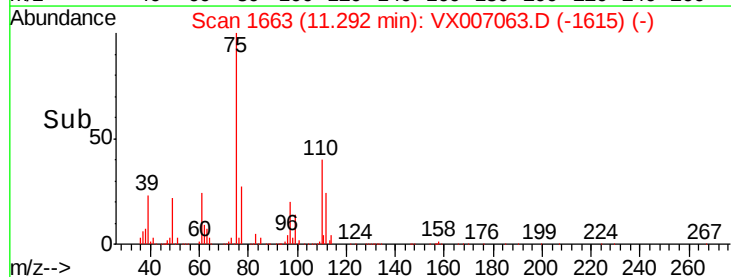
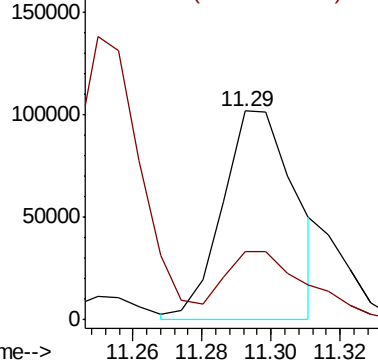
75 100

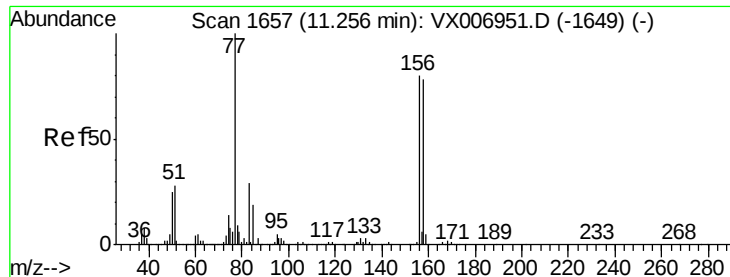
77 37.2 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.933 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

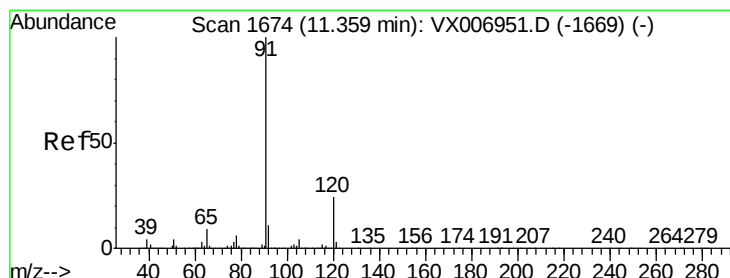
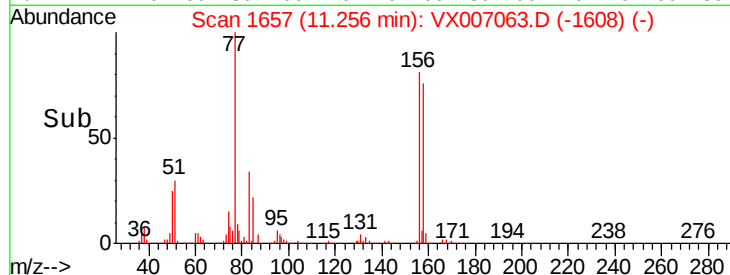
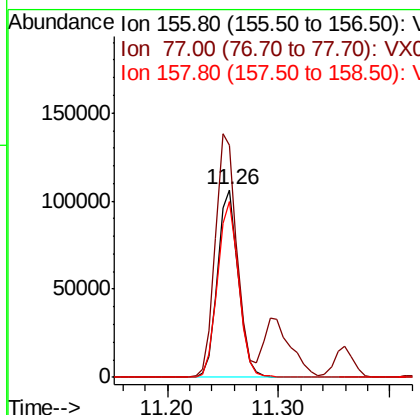
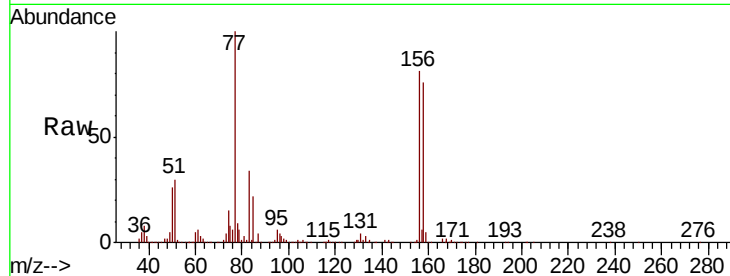
ClientSampleId :

VX0115WBSD02

Tot Ion:	156	Resp:	138254
Ion Ratio	Lower	Upper	
156	100		
77	134.0	68.0	204.0
158	95.2	48.3	144.8

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#78

n-propylbenzene

Concen: 20.898 ug/l

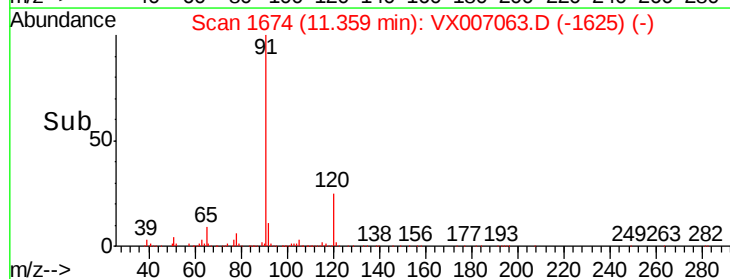
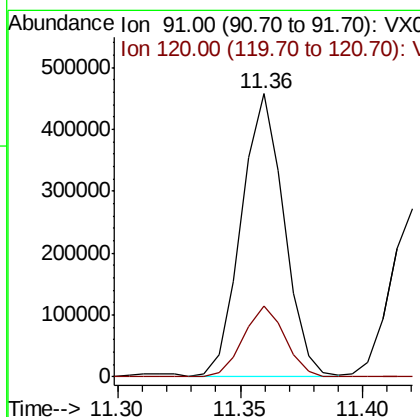
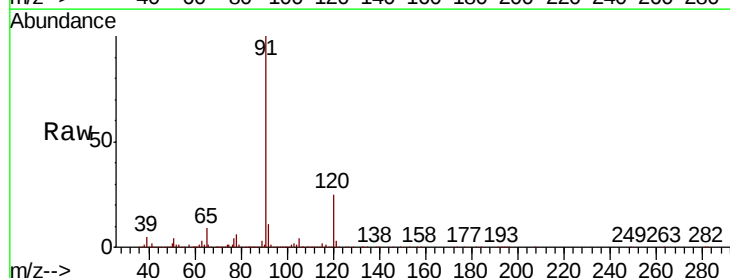
RT: 11.36 min Scan# 1674

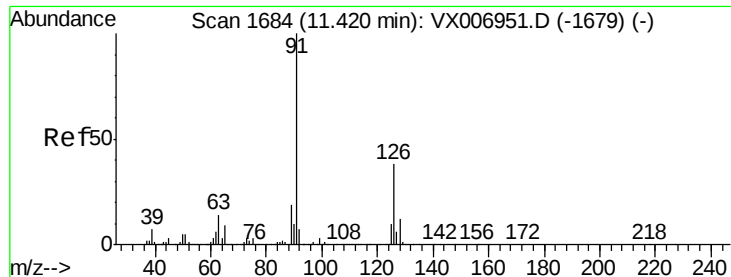
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	91	Resp:	549888
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.881 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

VX0115WBSD02

Tot Ion: 91 Resp: 330738

Ion Ratio Lower Upper

91 100

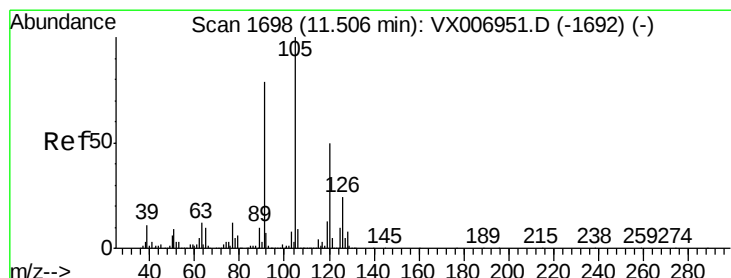
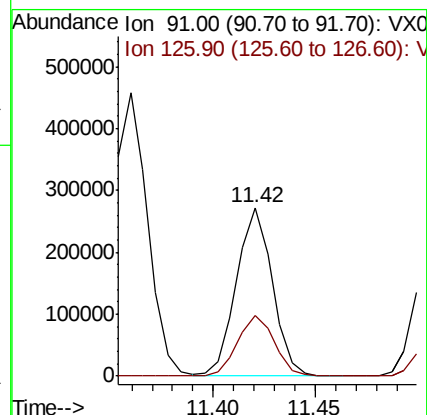
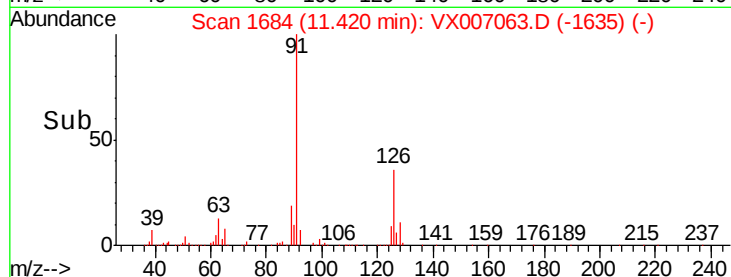
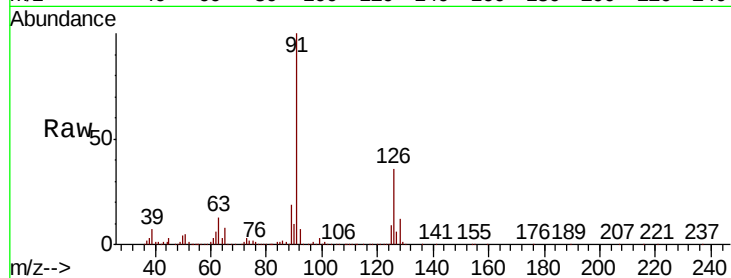
126 36.9 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.458 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007063.D

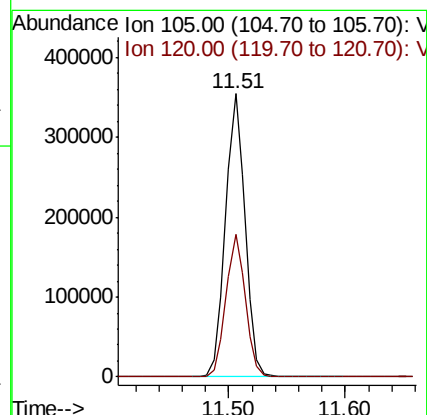
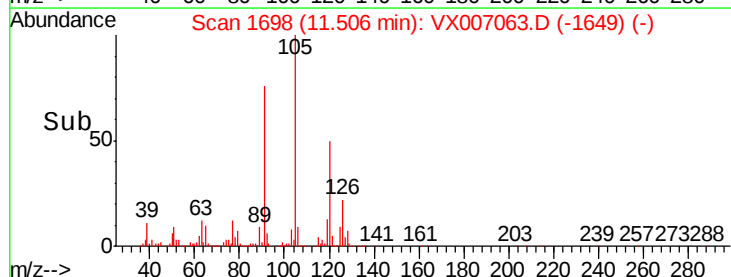
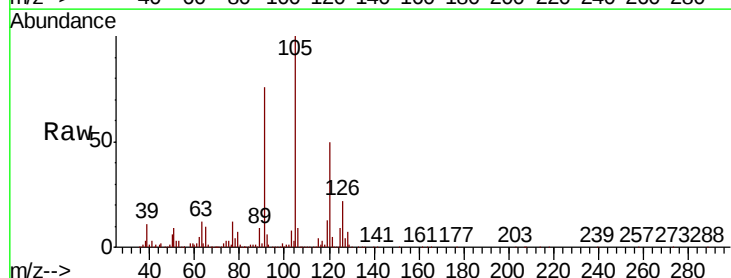
Acq: 15 Jan 2019 17:20

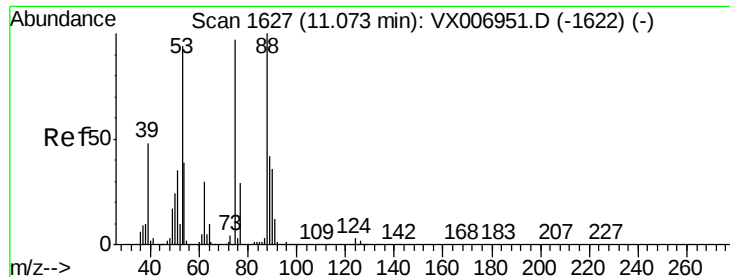
Tgt Ion: 105 Resp: 409738

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





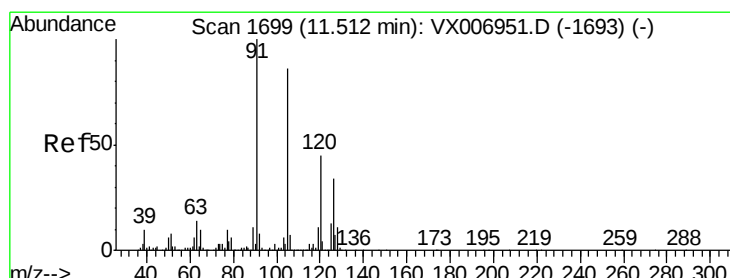
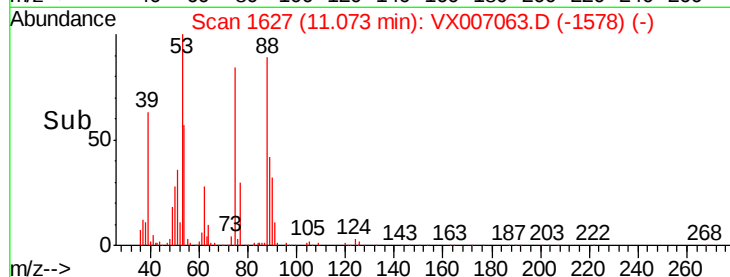
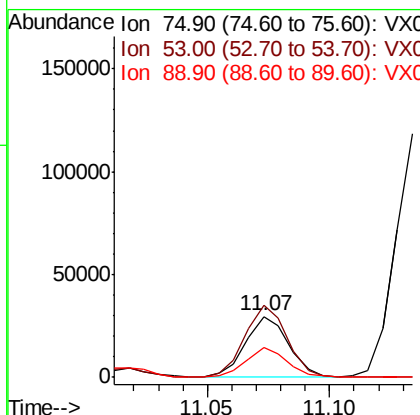
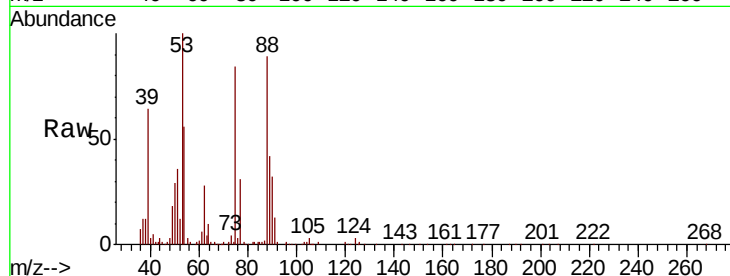
#81
trans-1,4-Dichloro-2-butene
Concen: 18.292 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	79.7	119.5
89	47.6	38.0	57.0

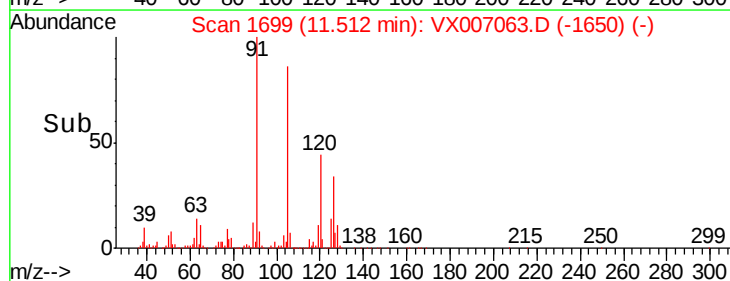
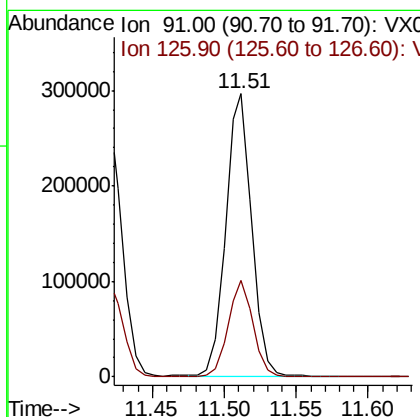
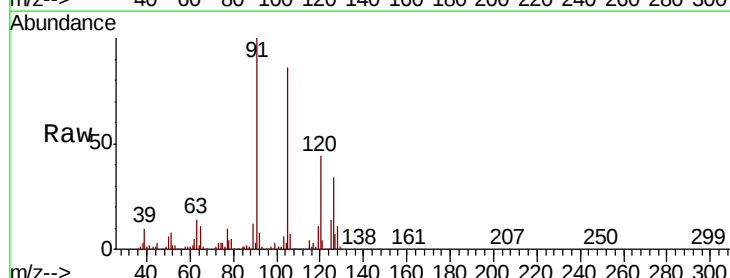
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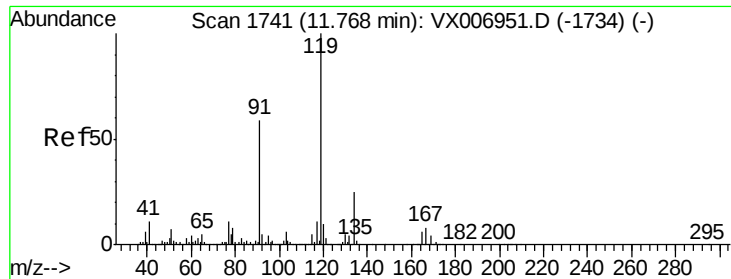
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#82
4-Chlorotoluene
Concen: 20.465 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.731 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

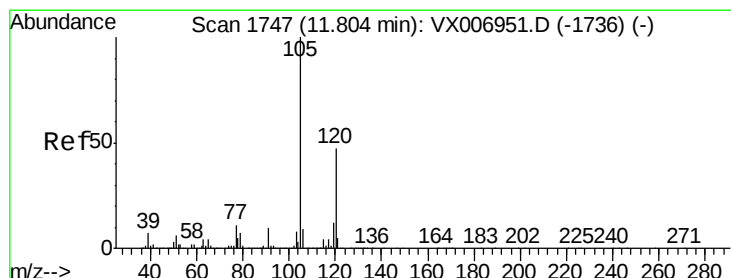
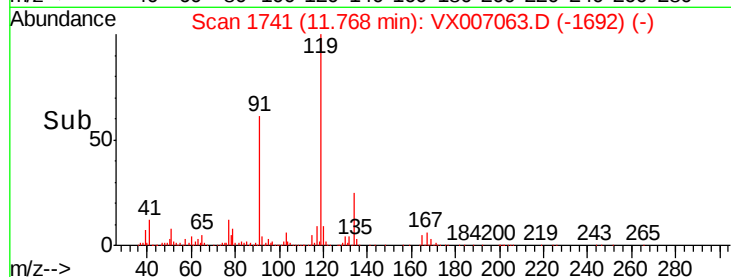
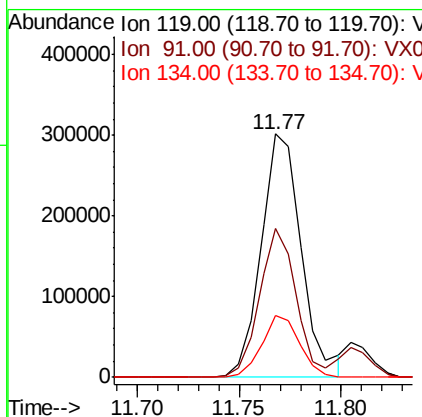
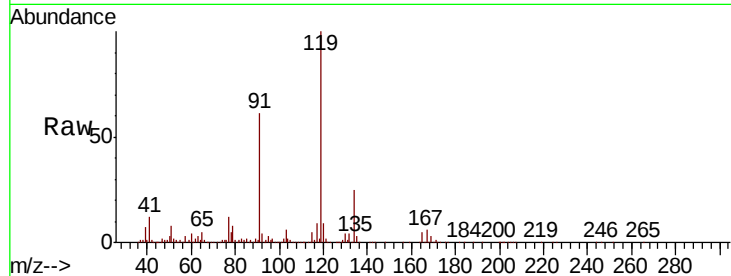
ClientSampleId :

VX0115WBSD02

Tot Ion:	119	Resp:	414256
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.7	83.1
134	24.1	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.933 ug/l

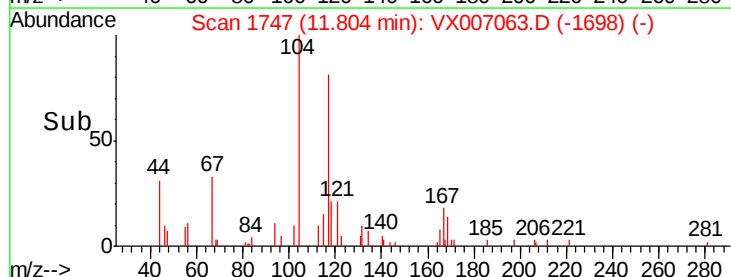
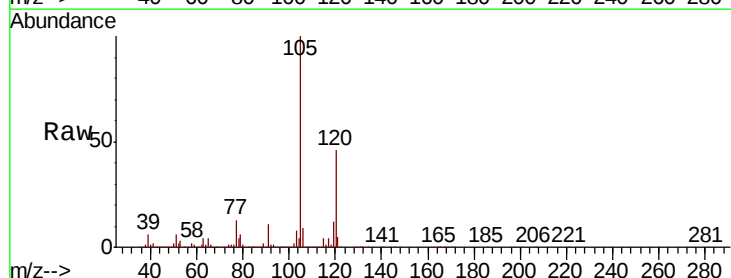
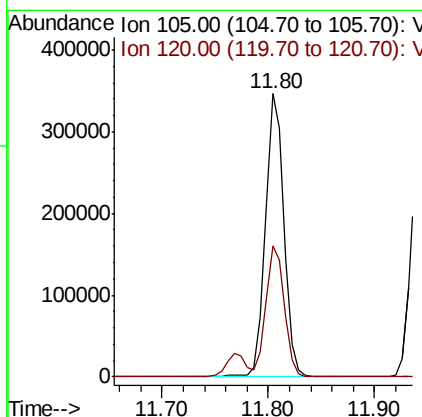
RT: 11.80 min Scan# 1747

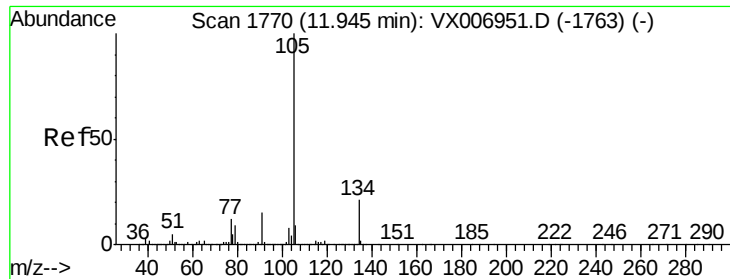
Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	105	Resp:	421588
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.6





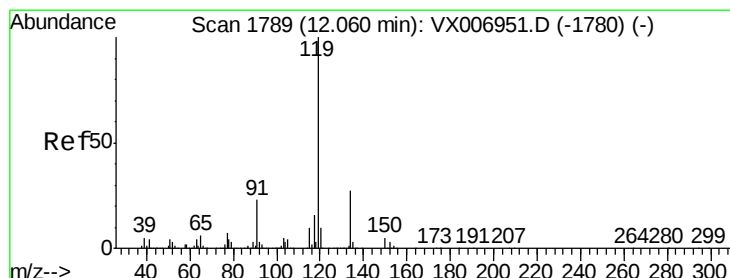
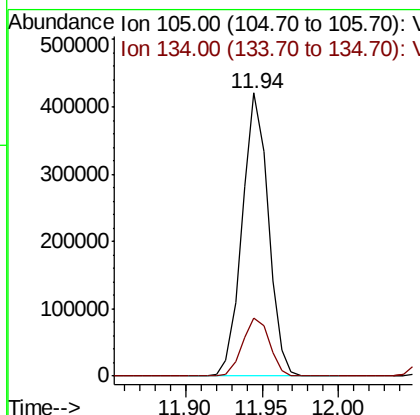
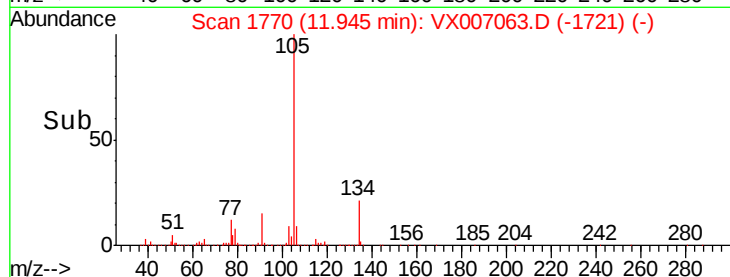
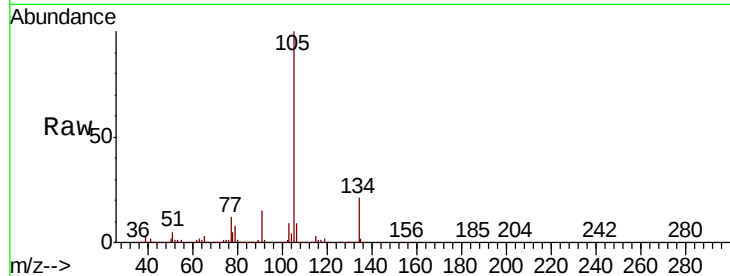
#85
 sec-Butylbenzene
 Concen: 20.797 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	31.9

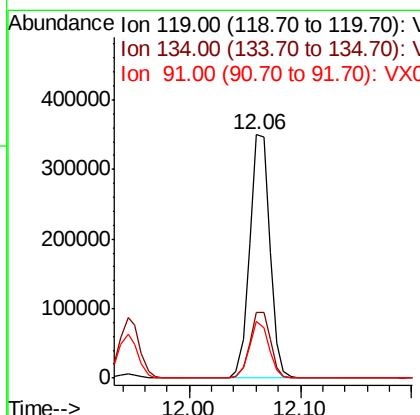
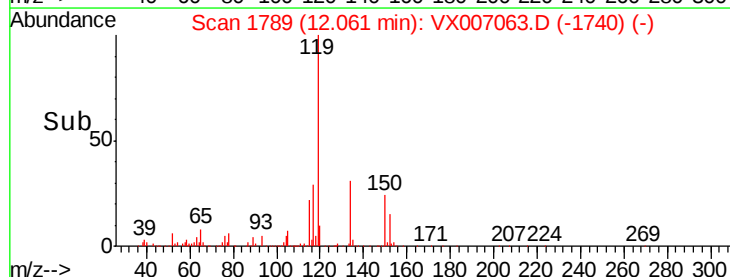
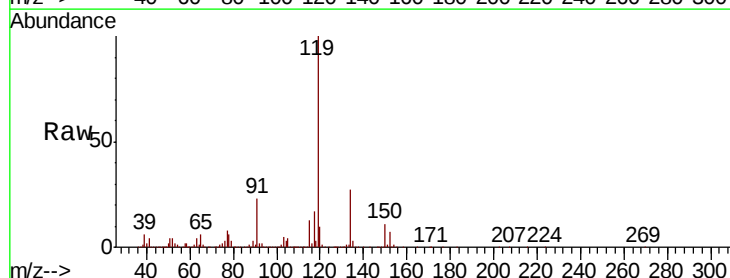
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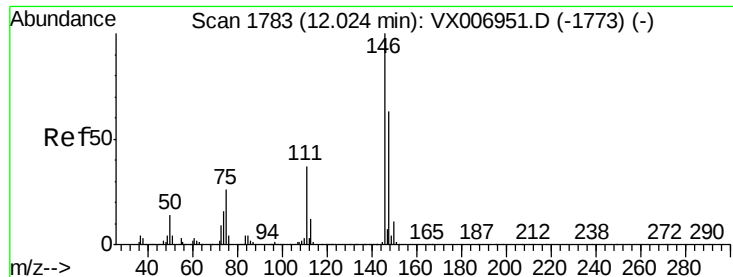
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#86
 p-Isopropyltoluene
 Concen: 20.641 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	14.0	41.9
91	22.7	11.3	33.9





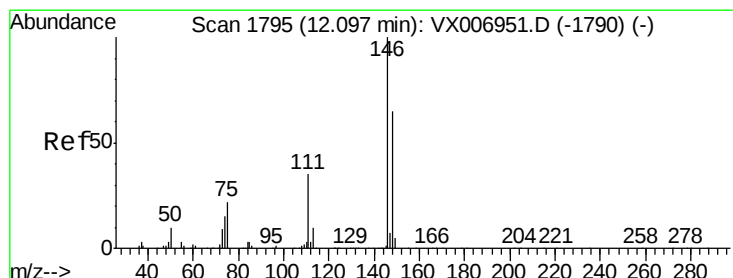
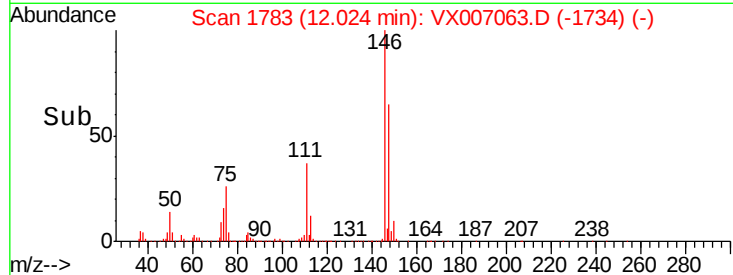
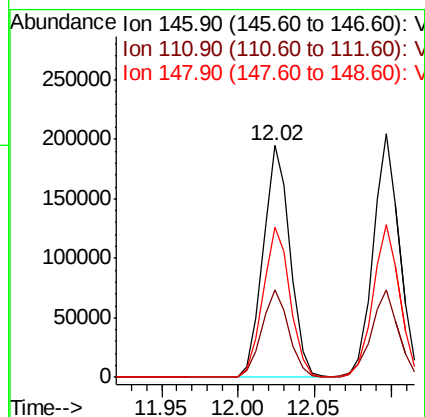
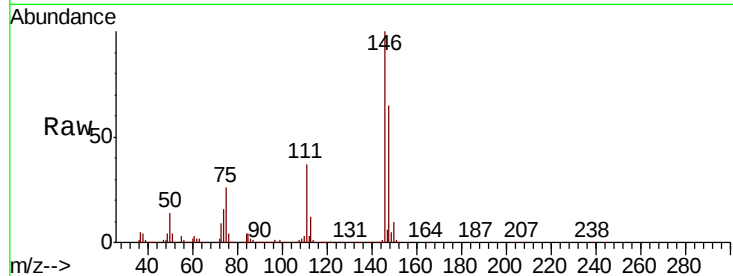
#87
 1,3-Dichlorobenzene
 Concen: 20.098 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	65.2	31.8	95.3

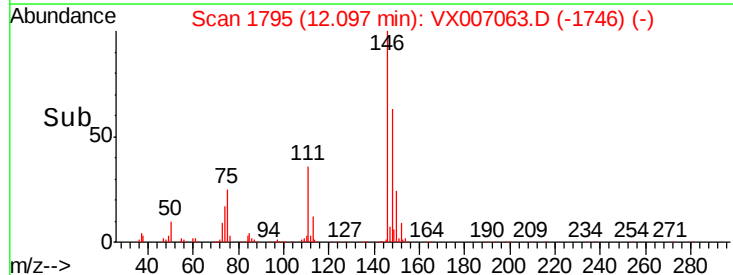
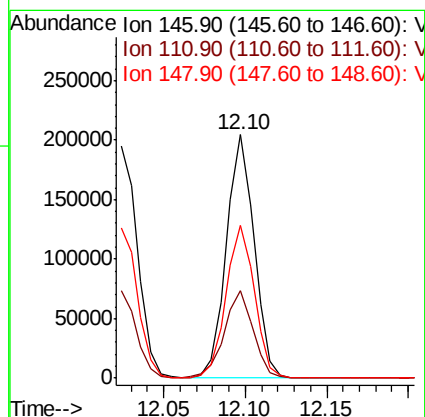
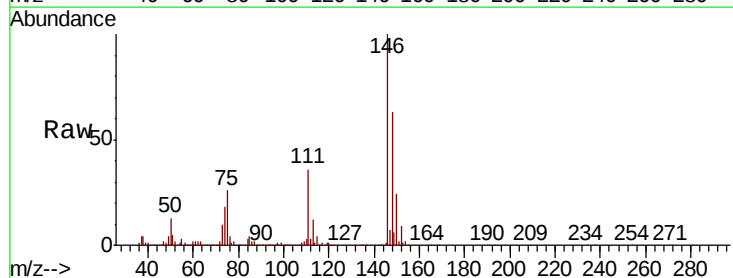
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#88
 1,4-Dichlorobenzene
 Concen: 21.503 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.1	31.9	95.9





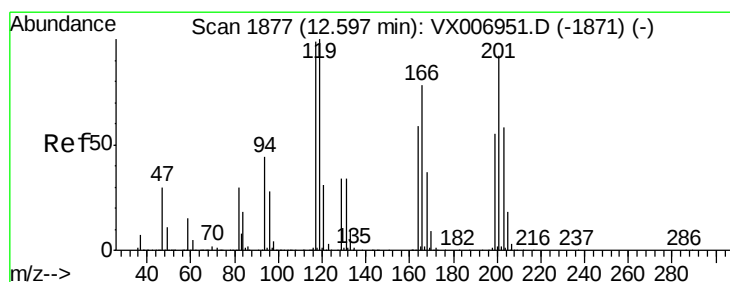
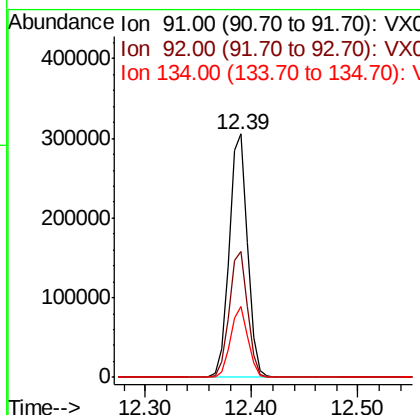
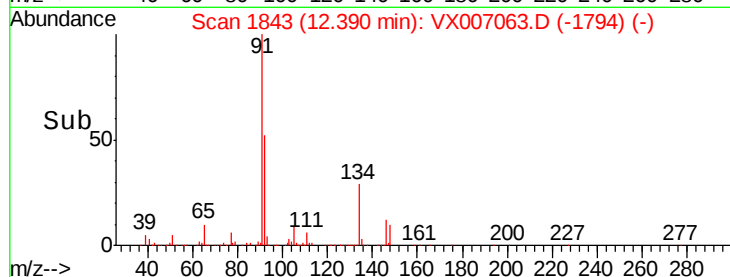
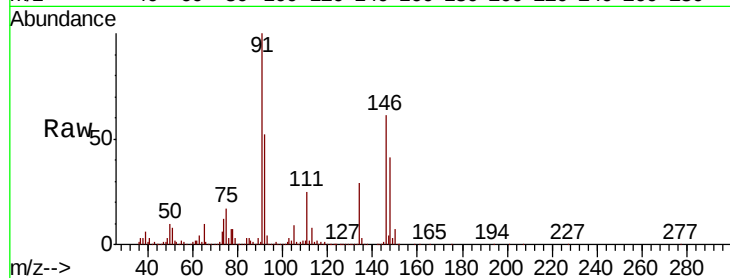
#89
n-Butylbenzene
Concen: 20.157 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	28.0	14.4	43.2

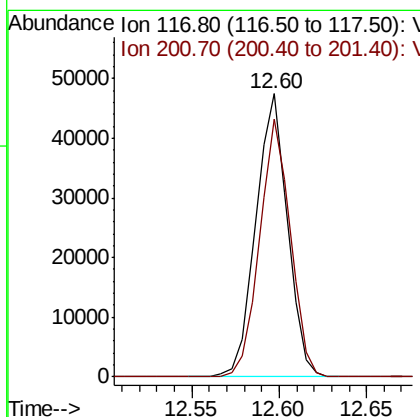
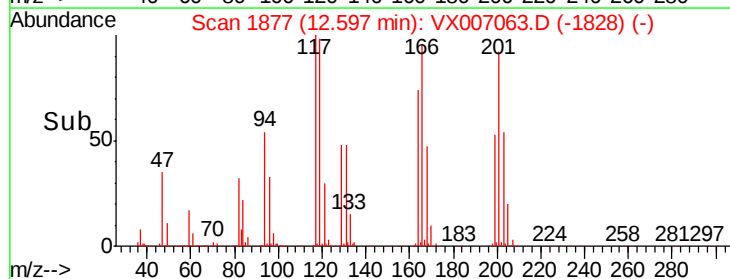
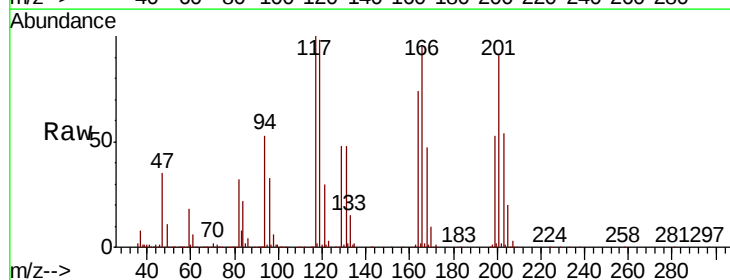
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#90
Hexachloroethane
Concen: 19.392 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	42.9	128.7





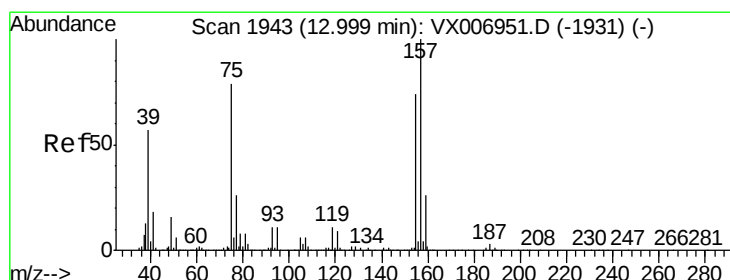
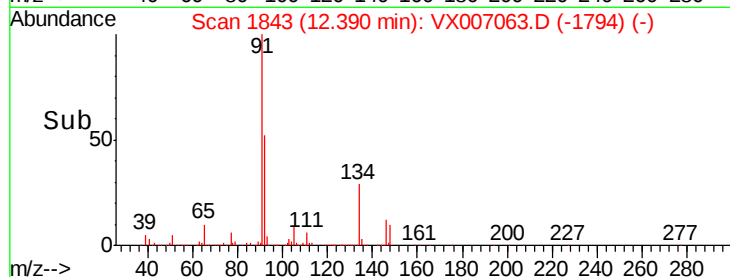
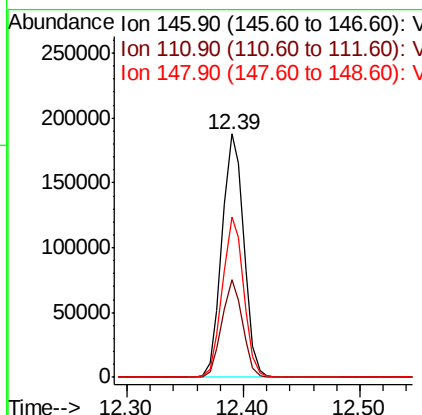
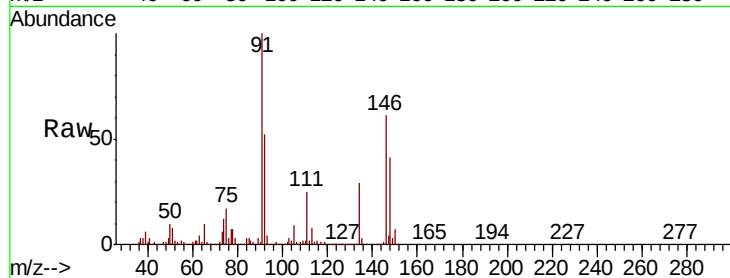
#91
 1,2-Dichlorobenzene
 Concen: 20.665 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0115WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.2
148	64.2	32.3	96.9

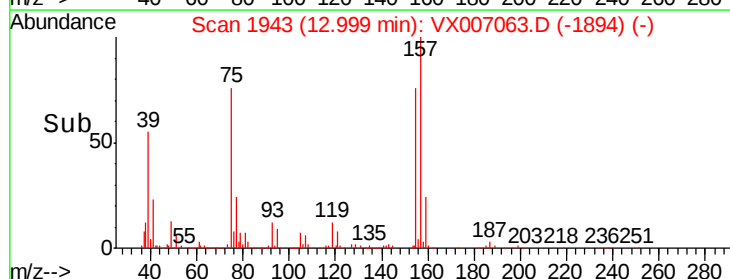
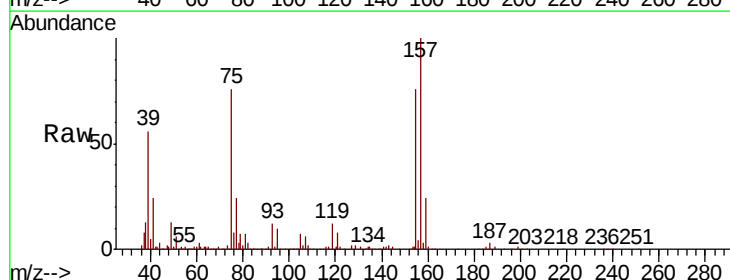
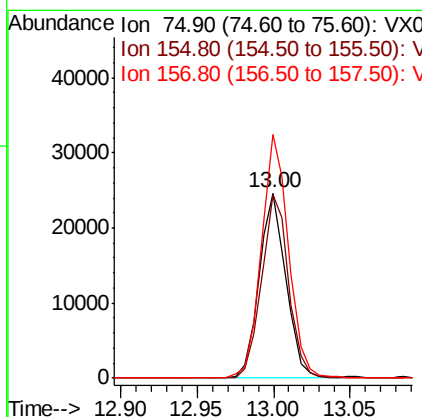
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.012 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007063.D
 Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	50.6	151.8
157	133.7	64.6	193.8





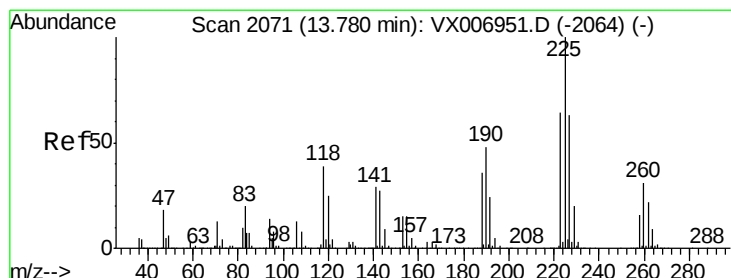
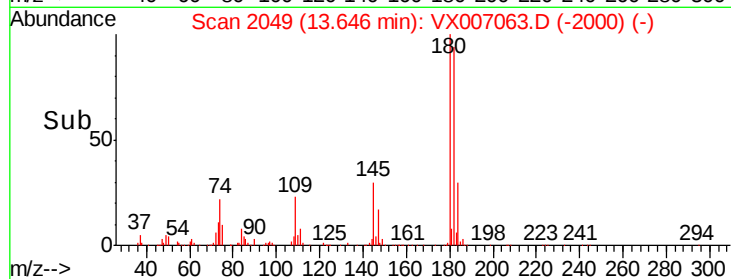
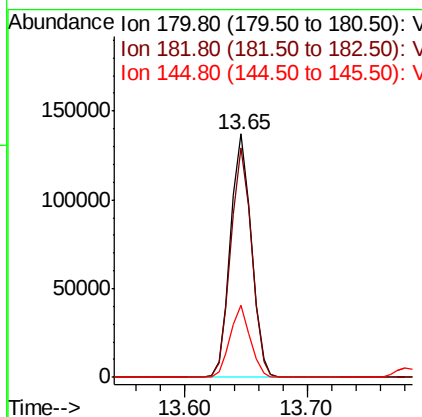
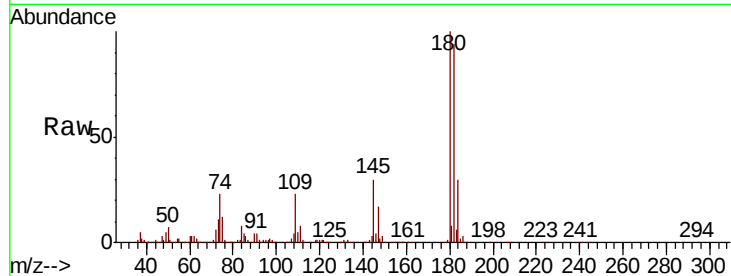
#93
1,2,4-Trichlorobenzene
Concen: 19.995 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161603		
182	94.2	47.3	142.0	
145	28.5	14.8	44.3	

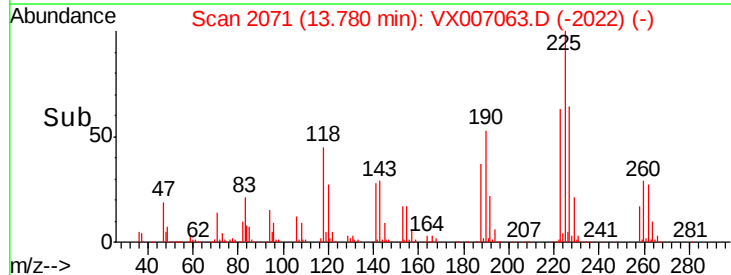
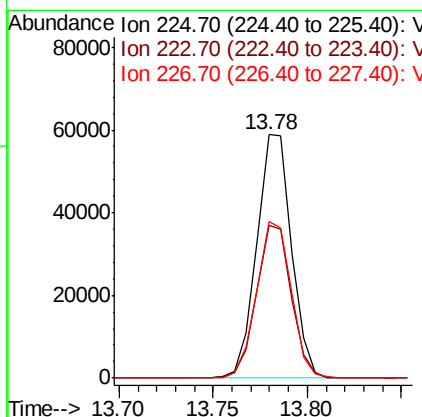
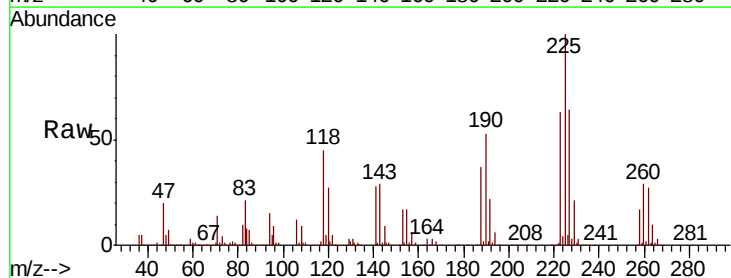
Manual Integrations
APPROVED

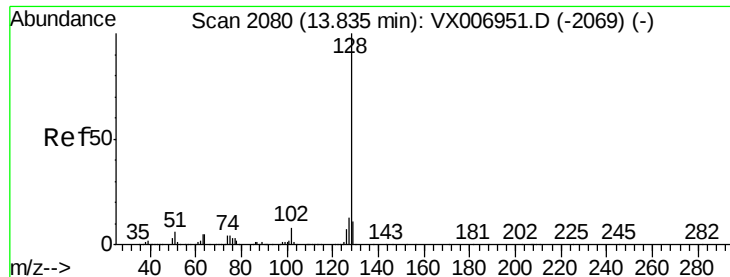
MMDadoda
1/17/2019 8:37:02 AM



#94
Hexachlorobutadiene
Concen: 20.993 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007063.D
Acq: 15 Jan 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75296		
223	62.9	32.1	96.3	
227	64.2	32.3	96.8	





#95

Naphthalene

Concen: 20.472 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Instrument :

MSVOA_X

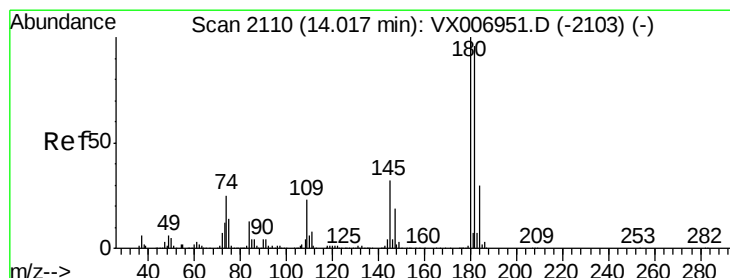
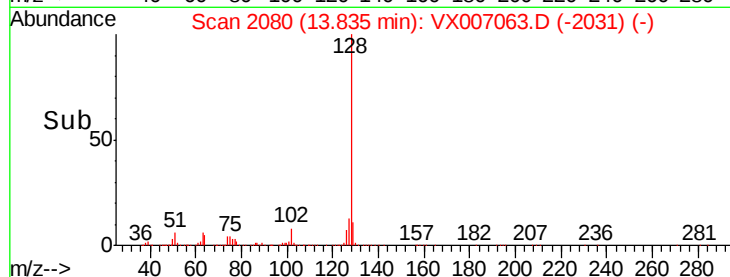
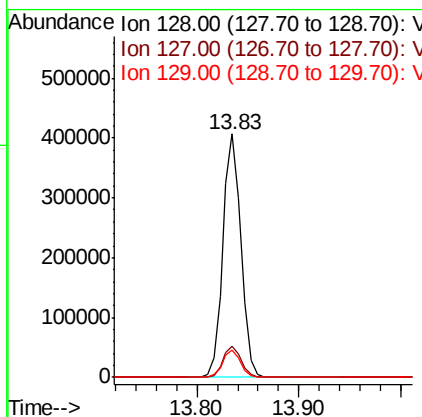
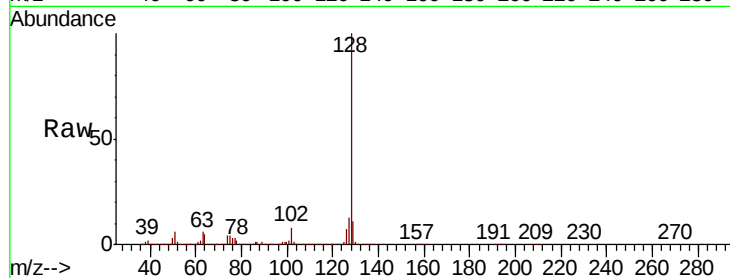
ClientSampleId :

VX0115WBSD02

Tot Ion:	128	Resp:	501393
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 8:37:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.954 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007063.D

Acq: 15 Jan 2019 17:20

Tgt Ion:	180	Resp:	160205
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.5
145	30.9	16.0	47.9

