

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003502.D
 Acq On : 20 Jul 2018 11:52
 Operator : JC/SP
 Sample : VX0720WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0720WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:34:45 PM

Quant Time: Jul 20 12:18:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	62495	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	323377	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	301683	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121315	28.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.73%
60) 4-Bromofluorobenzene	11.14	95	142327	29.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.87%
63) Toluene-d8	8.72	98	410295	30.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.53%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	52928	11.16	ug/l	99
3) Chloromethane	1.32	50	69457	14.74	ug/l	99
4) Vinyl Chloride	1.40	62	78422	15.27	ug/l	99
5) Bromomethane	1.64	94	39676	18.63	ug/l	99
6) Chloroethane	1.73	64	49535	16.18	ug/l	95
7) Trichlorofluoromethane	1.93	101	106923	15.62	ug/l	98
8) Diethyl Ether	2.19	74	45799	16.36	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68792	16.42	ug/l	99
10) 1,1-Dichloroethene	2.37	96	64462	16.58	ug/l	91
11) Methyl Iodide	2.51	142	78745	21.86	ug/l	91
12) Methyl Acetate	2.78	43	96637	15.31	ug/l	96
13) Acrolein	2.29	56	31432	64.10	ug/l	99
14) Acrylonitrile	3.15	53	194897	82.06	ug/l	99
15) Acetone	2.45	58	53961	86.66	ug/l	73
16) Carbon Disulfide	2.57	76	173838	15.66	ug/l	100
17) Allyl chloride	2.73	41	120542	16.30	ug/l	88
18) Methylene Chloride	2.86	84	78252	17.15	ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	70622	16.85	ug/l	93
20) Diisopropyl ether	3.87	45	221158	16.55	ug/l	97
21) 1,1-Dichloroethane	3.70	63	129585	16.54	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	80022	17.95	ug/l	88
23) tert-Butyl Alcohol	3.07	59	80518	81.65	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	219832	16.93	ug/l #	88
25) Chloroform	5.21	83	132148	18.73	ug/l	95
26) Cyclohexane	5.57	56	109656	17.93	ug/l #	95
29) 1,1-Dichloropropene	5.80	75	94478	18.53	ug/l	98
30) 2-Butanone	4.71	43	259885	91.22	ug/l	94
31) 2,2-Dichloropropane	4.58	77	101034	18.35	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	107621	18.64	ug/l	98
33) Carbon Tetrachloride	5.78	117	94507	18.65	ug/l	98
34) Benzene	6.15	78	291234	19.40	ug/l	98
35) Methacrylonitrile	5.06	41	55419	18.39	ug/l	86
36) 1,2-Dichloroethane	6.20	62	99068	18.97	ug/l	96
37) Trichloroethene	7.21	130	83692	20.16	ug/l	92
38) Methylcyclohexane	7.46	83	109940	19.08	ug/l	97
39) 1,2-Dichloropropane	7.52	63	75666	19.50	ug/l	94
40) Dibromomethane	7.67	93	48882	19.19	ug/l	94

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0720WBSD01

Manual Integrations
 APPROVED

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 7/23/2018 12:34:45 PM

Quant Time: Jul 20 12:18:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	91562	19.23	ug/l	97
42) Vinyl Acetate	3.82	43	906756	82.85	ug/l	96
43) Ethyl Acetate	4.86	43	99352	18.36	ug/l	97
44) Isopropyl Acetate	6.46	43	150469	18.14	ug/l	94
45) 1,4-Dioxane	7.76	88	33095	373.82	ug/l #	83
46) Methyl methacrylate	7.78	41	77873	18.16	ug/l	86
47) n-amyl Acetate	10.90	43	118787	16.63	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	110915	19.14	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	100450	19.14	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	75662	19.69	ug/l	98
51) Ethyl methacrylate	9.18	69	105338	18.81	ug/l	83
52) 1,3-Dichloropropane	9.37	76	123830	19.62	ug/l	99
53) Dibromochloromethane	9.59	129	73793	19.22	ug/l	99
54) 1,2-Dibromoethane	9.68	107	78756	19.76	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	248352	94.00	ug/l	98
56) Bromoform	10.86	173	55648	18.95	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	509081	94.73	ug/l	93
59) 2-Hexanone	9.50	43	379676	92.24	ug/l	93
61) Tetrachloroethene	9.34	164	101593	22.00	ug/l	98
62) Toluene	8.79	91	323458	19.65	ug/l	99
64) Chlorobenzene	10.14	112	210030	19.27	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	74622	19.30	ug/l	99
66) Ethyl Benzene	10.26	91	348209	19.15	ug/l	99
67) m/p-Xylenes	10.36	106	270826	38.27	ug/l	97
68) o-Xylene	10.70	106	131219	19.27	ug/l	95
69) Styrene	10.71	104	221119	19.53	ug/l	96
70) Isopropylbenzene	11.02	105	354130	19.61	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	106640	18.83	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	95159m	14.37	ug/l	
73) Bromobenzene	11.26	156	98034	19.53	ug/l	94
74) n-propylbenzene	11.36	91	401243	19.08	ug/l	99
75) 2-Chlorotoluene	11.42	91	239851	19.07	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	295059	19.31	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	28696	18.14	ug/l	96
78) 4-Chlorotoluene	11.51	91	277233	18.87	ug/l	98
79) tert-butylbenzene	12.07	119	307076	18.98	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	300890	19.38	ug/l	98
81) sec-Butylbenzene	11.95	105	343818	19.02	ug/l	100
82) p-Isopropyltoluene	12.07	119	307076	18.98	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	174965	18.82	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	175032	18.65	ug/l	99
85) n-Butylbenzene	12.39	91	253951	17.88	ug/l	99
86) Hexachloroethane	12.60	117	39803	16.71	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	179721	19.33	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	19889	16.91	ug/l	90
89) 1,2,4-Trichlorobenzene	13.65	180	120294	18.02	ug/l	100
90) Hexachlorobutadiene	13.79	225	56896	17.40	ug/l	98
91) Naphthalene	13.83	128	341798	17.76	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	123671	18.28	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Manual Integrations
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Quant Time: Jul 20 12:18:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 13:28:20 2018
Response via : Initial Calibration

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

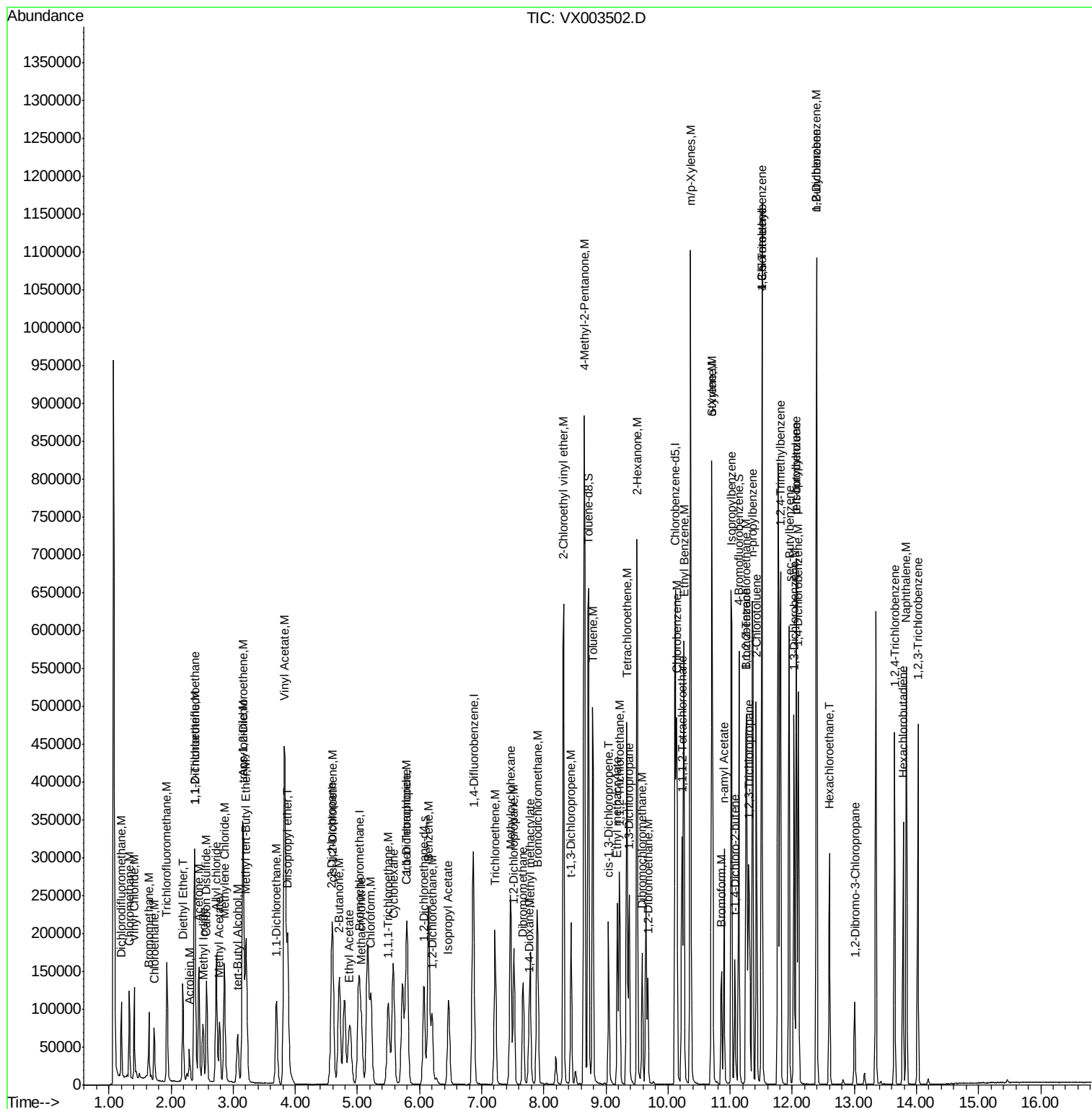
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003502.D
 Acq On : 20 Jul 2018 11:52
 Operator : JC/SP
 Sample : VX0720WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

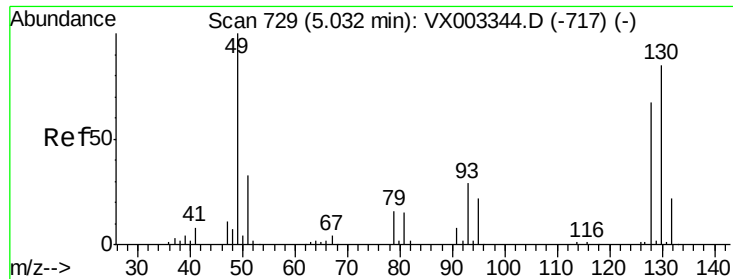
Instrument :
 MSVOA_X
 Client Sample Id :
 VX0720WBSD01

Manual Integrations
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Quant Time: Jul 20 12:18:26 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
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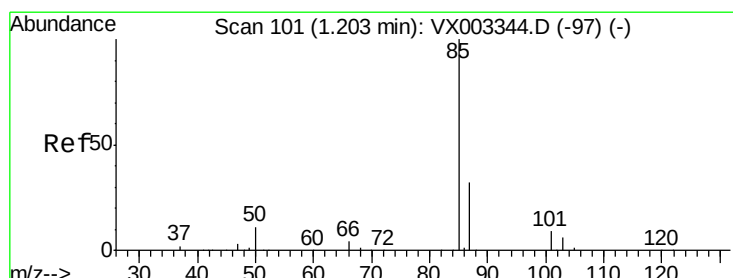
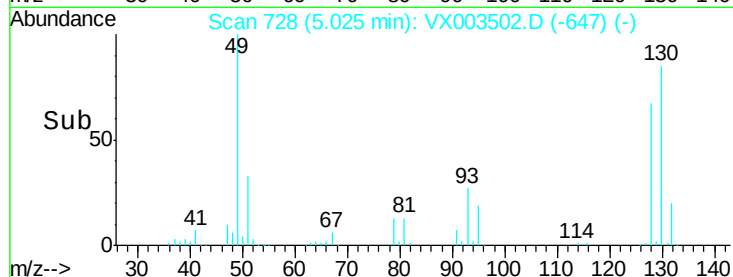
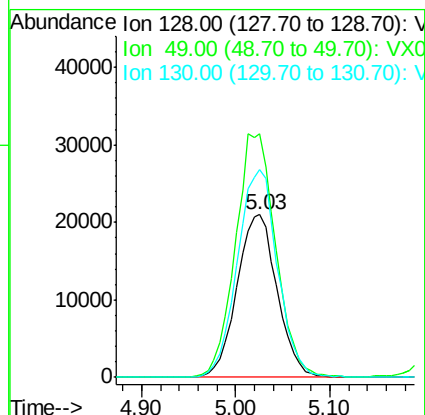
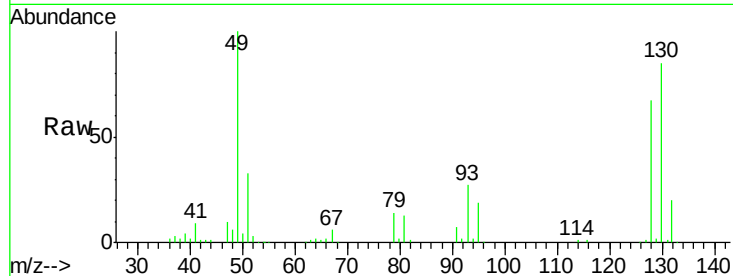
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	150.7	0.0	423.0
130	128.2	0.0	324.3

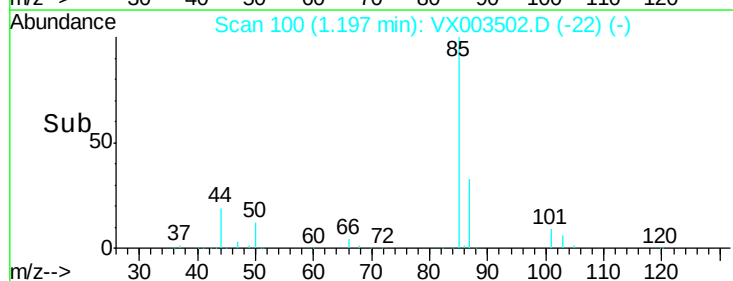
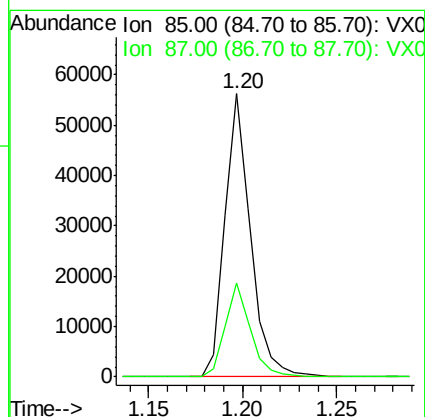
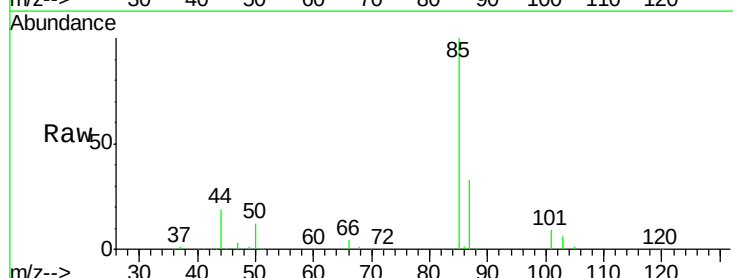
Manual Integrations
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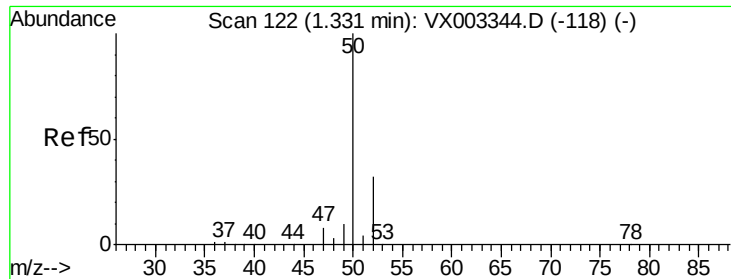
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#2
Dichlorodifluoromethane
Concen: 11.16 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.5





#3

Chloromethane

Concen: 14.74 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion: 50 Resp: 69457

Ion Ratio Lower Upper

50 100

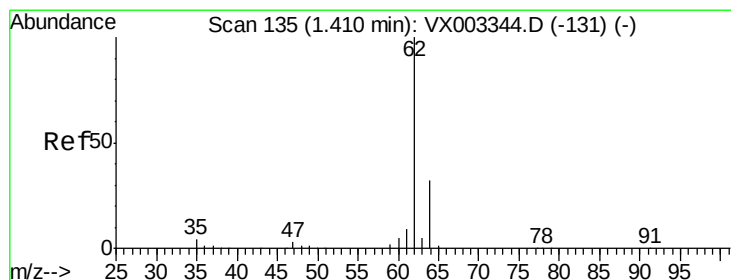
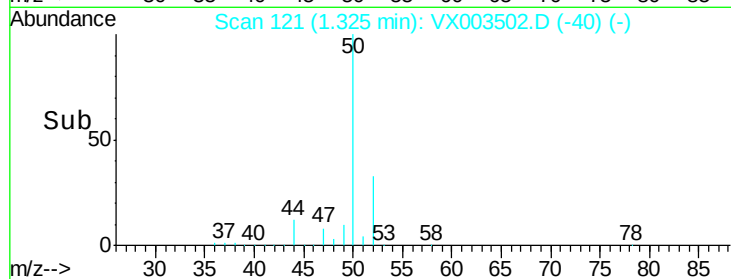
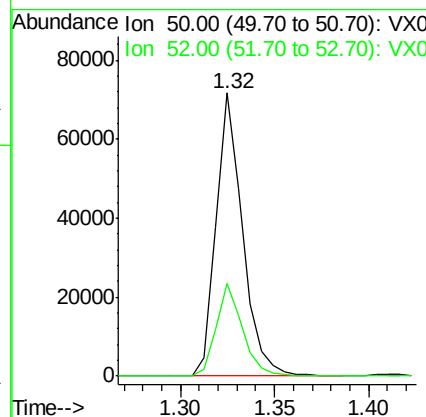
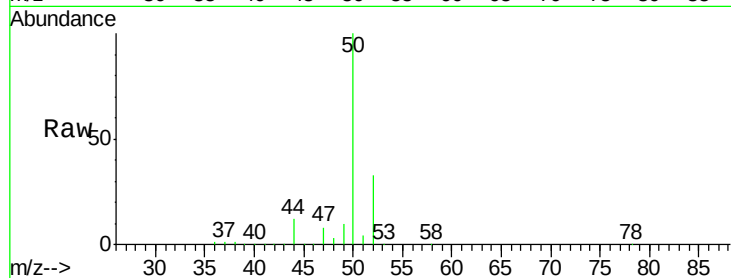
52 32.7 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003502.D

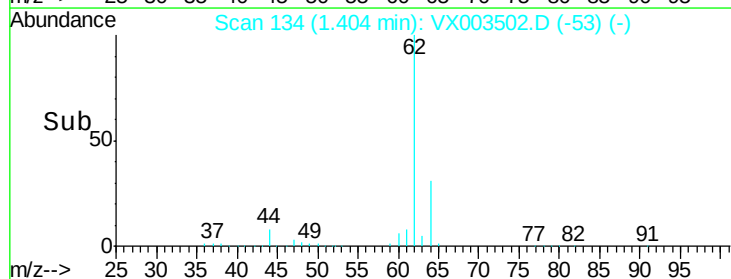
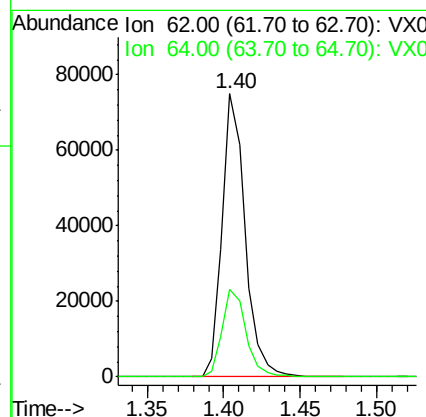
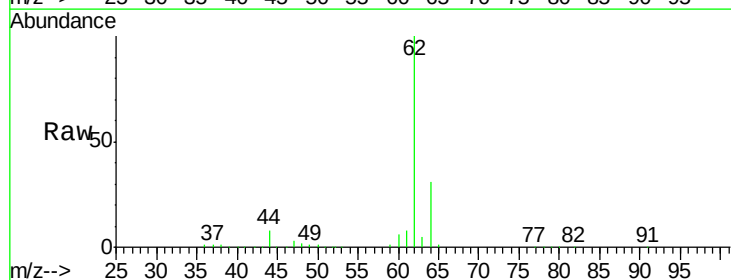
Acq: 20 Jul 2018 11:52

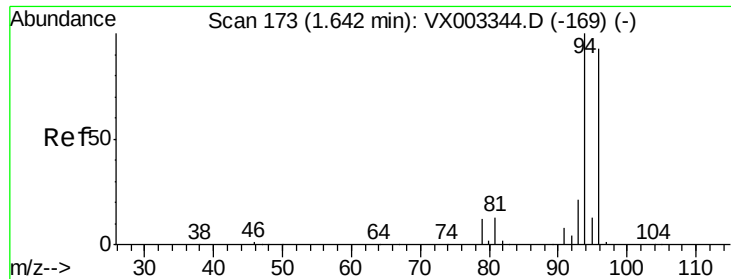
Tgt Ion: 62 Resp: 78422

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 18.63 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion: 94 Resp: 39676

Ion Ratio Lower Upper

94 100

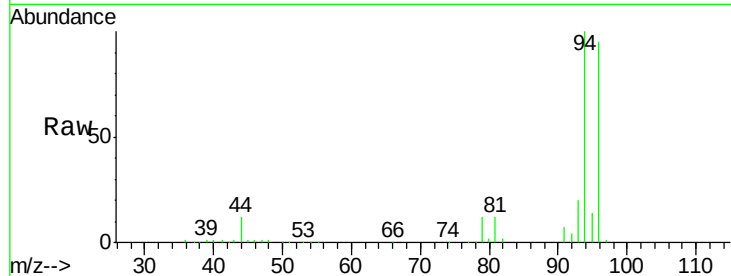
96 95.2 75.7 113.5

Manual Integrations

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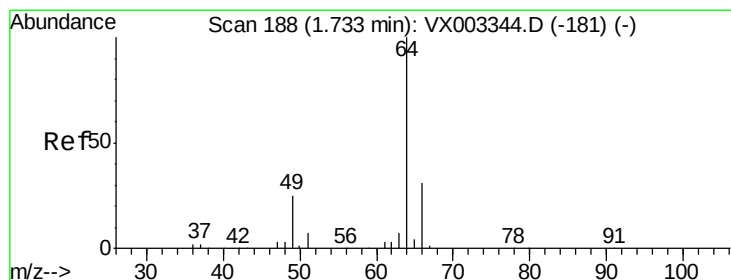
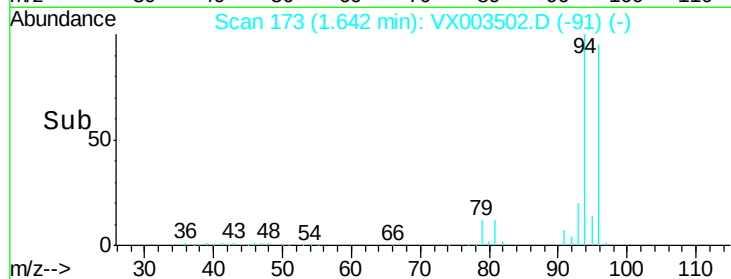
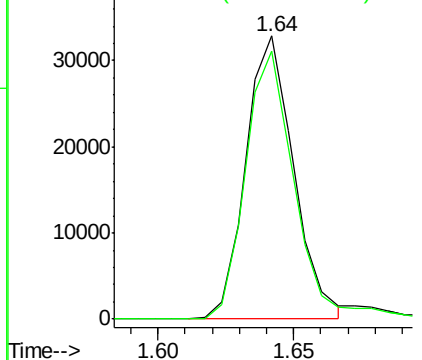
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.18 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003502.D

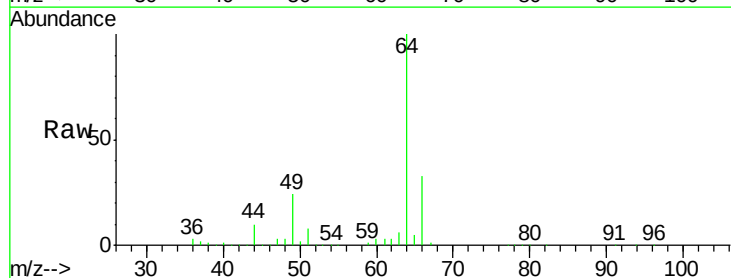
Acq: 20 Jul 2018 11:52

Tgt Ion: 64 Resp: 49535

Ion Ratio Lower Upper

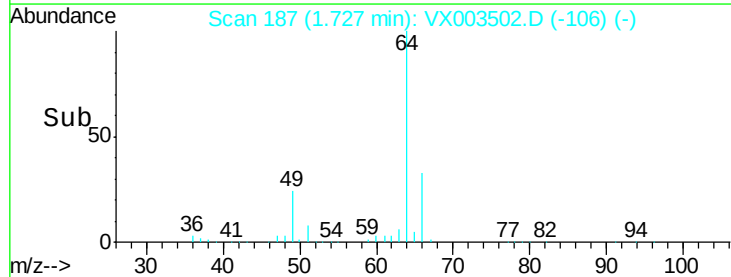
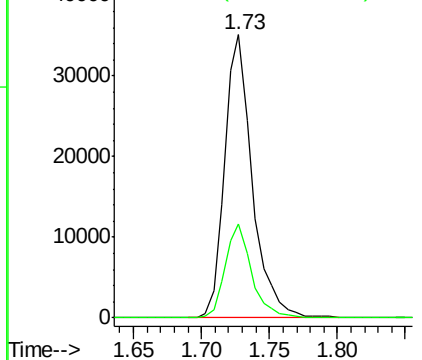
64 100

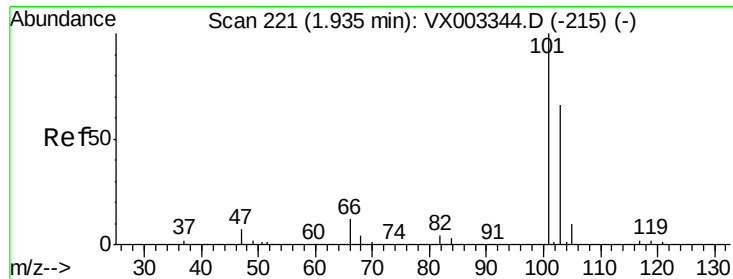
66 33.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 15.62 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion:101 Resp: 106923

Ion Ratio Lower Upper

101 100

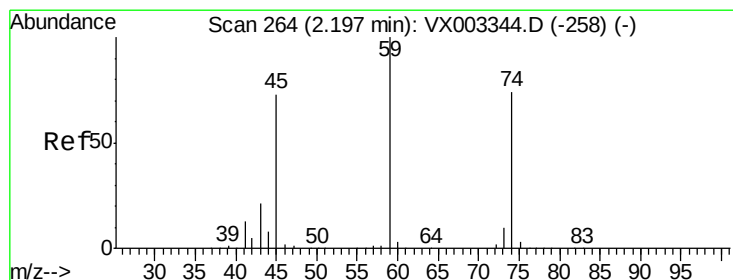
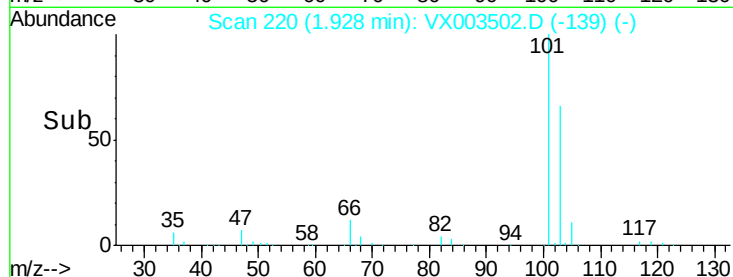
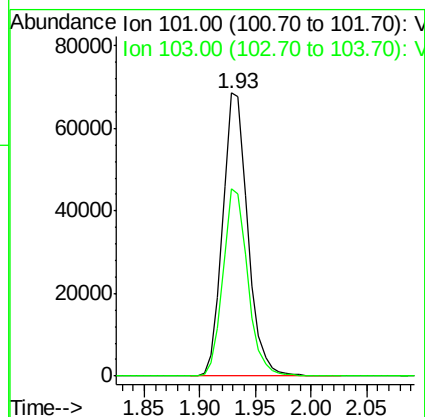
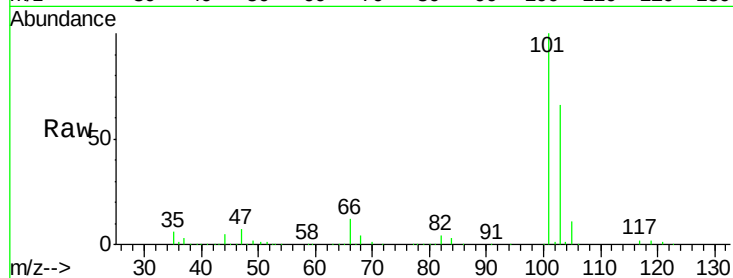
103 66.3 51.5 77.3

Manual Integrations

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#8

Diethyl Ether

Concen: 16.36 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX003502.D

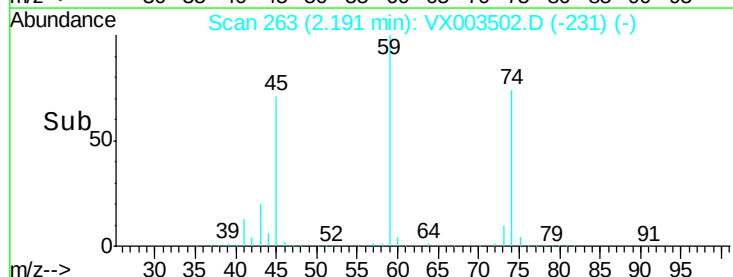
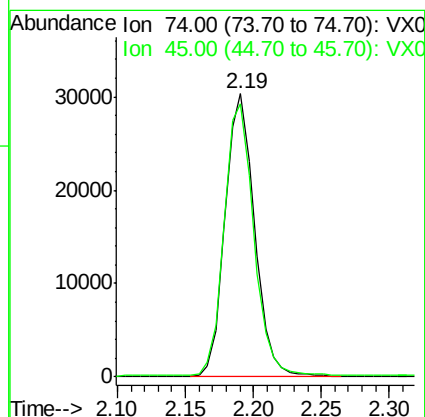
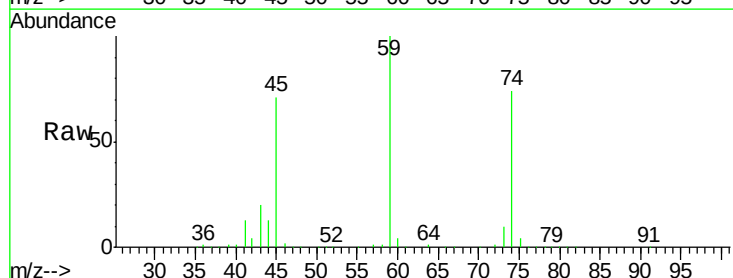
Acq: 20 Jul 2018 11:52

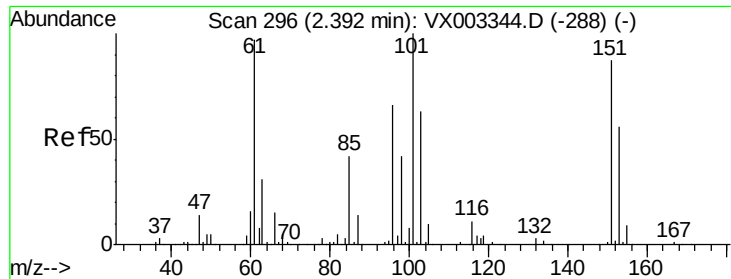
Tgt Ion: 74 Resp: 45799

Ion Ratio Lower Upper

74 100

45 97.1 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.42 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

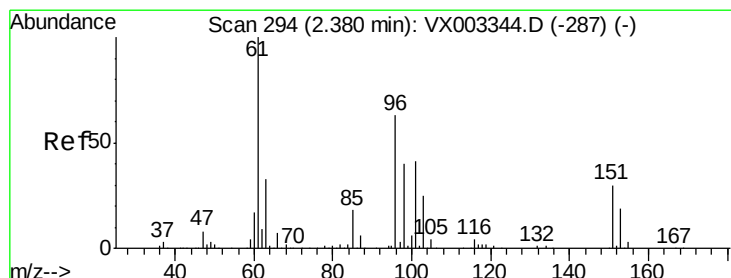
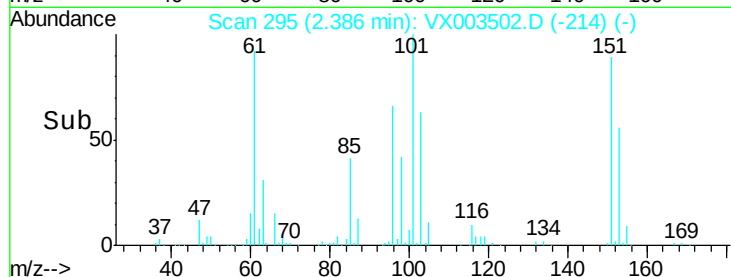
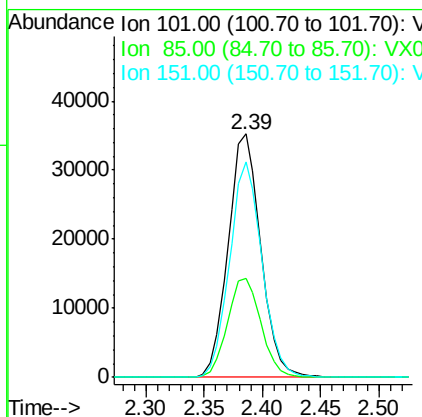
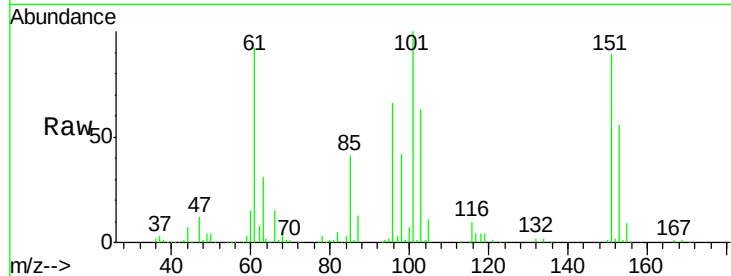
ClientSampleId :

VX0720WBSD01

Tot Ion:	101	Resp:	68792
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	87.0
151	88.1	0.0	177.6

Manual Integrations
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7/23/2018 12:34:45 PM



#10

1,1-Dichloroethene

Concen: 16.58 ug/l

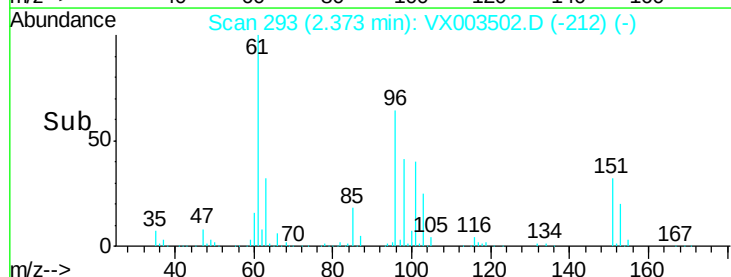
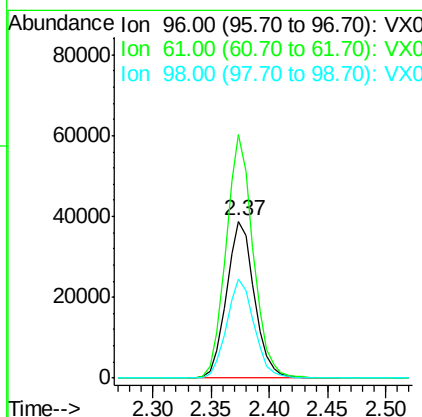
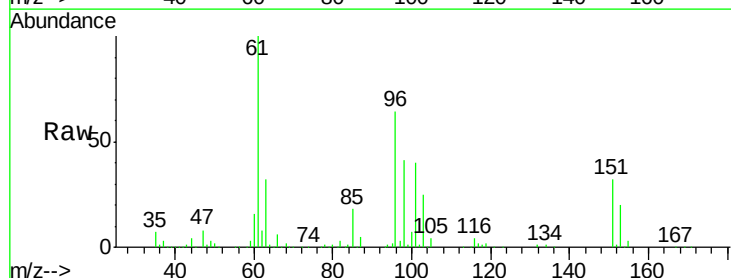
RT: 2.37 min Scan# 293

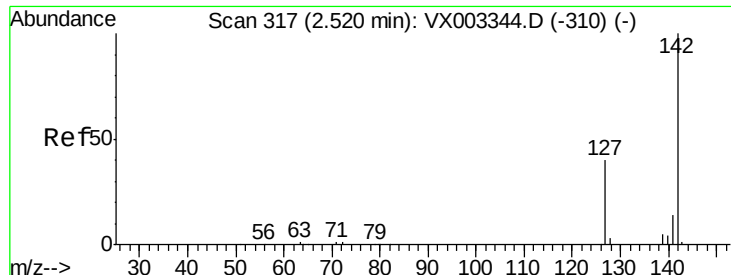
Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	96	Resp:	64462
Ion Ratio	Lower	Upper	
96	100		
61	155.2	137.5	206.3
98	63.0	51.4	77.2





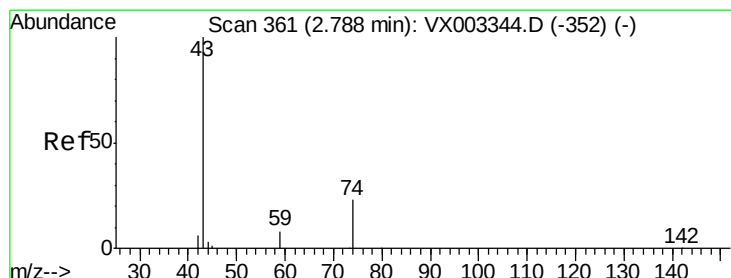
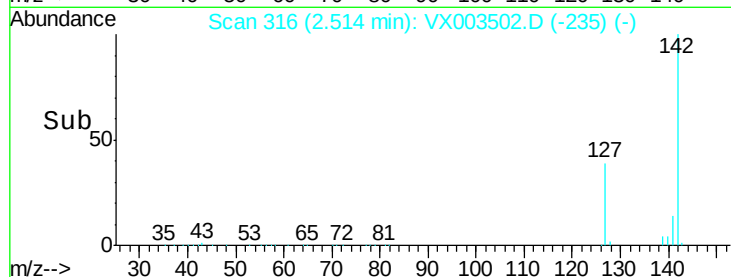
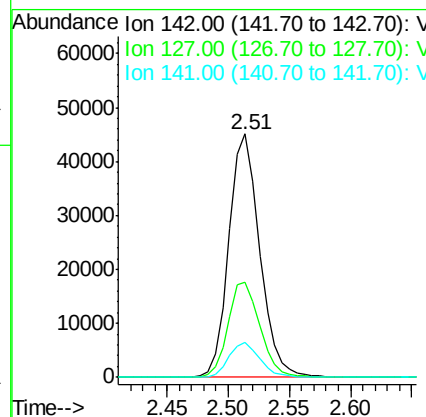
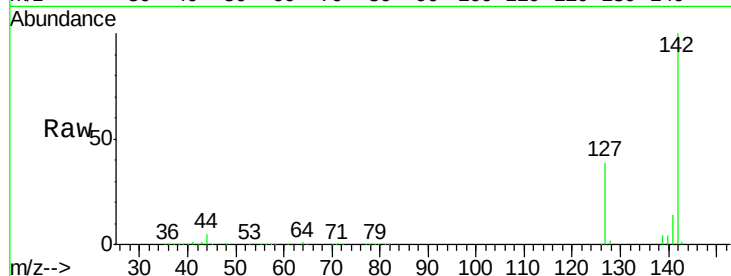
#11
Methvl Iodide
Concen: 21.86 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	23.2	69.6
141	14.2	7.4	22.2

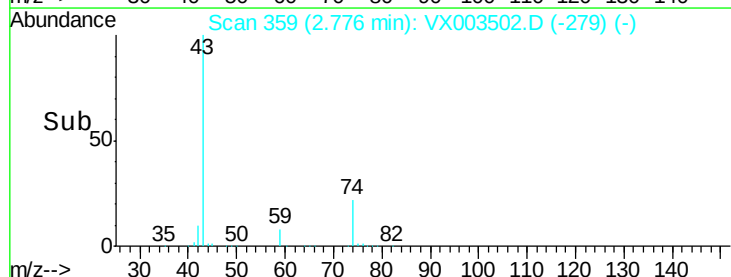
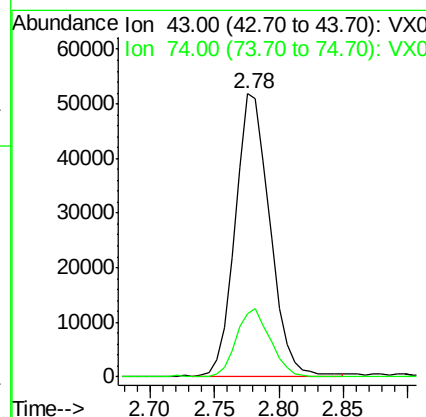
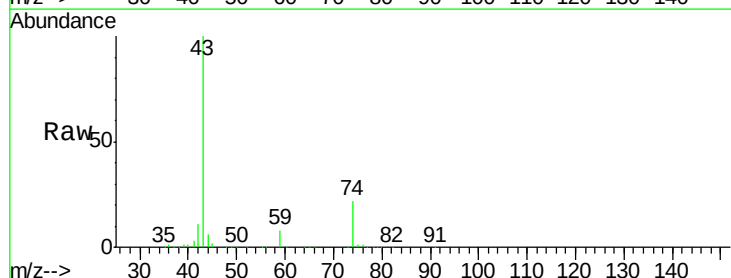
Manual Integrations
APPROVED

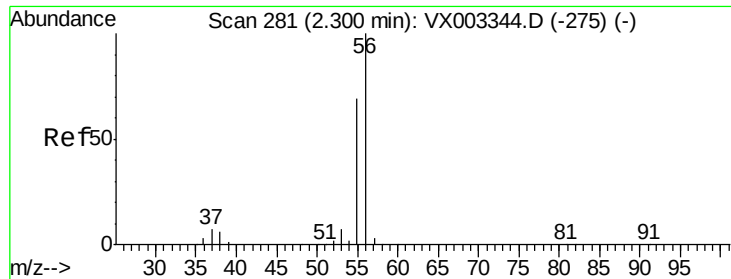
MMDadoda
7/23/2018 12:34:45 PM



#12
Methyl Acetate
Concen: 15.31 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	16.4	24.6





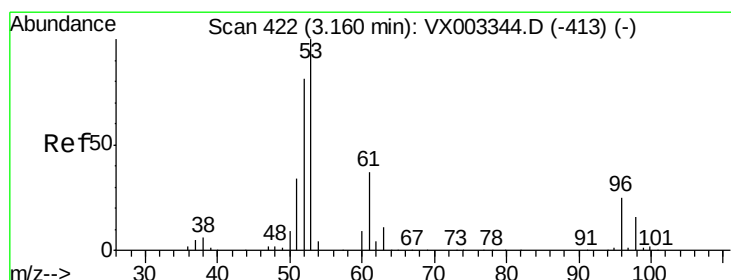
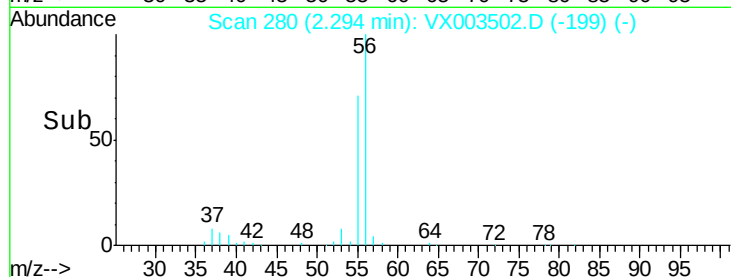
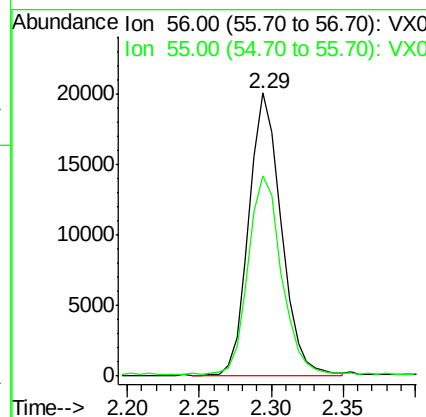
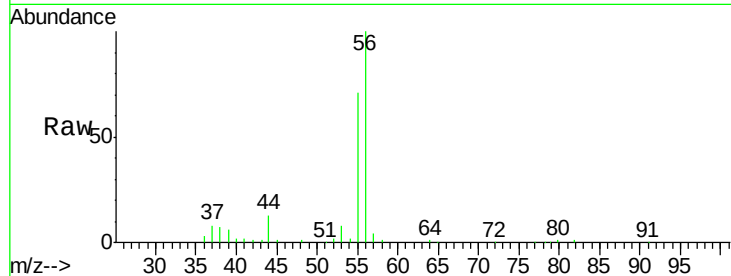
#13
Acrolein
Concen: 64.10 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion: 56 Resp: 31432
Ion Ratio Lower Upper
56 100
55 72.5 57.3 85.9

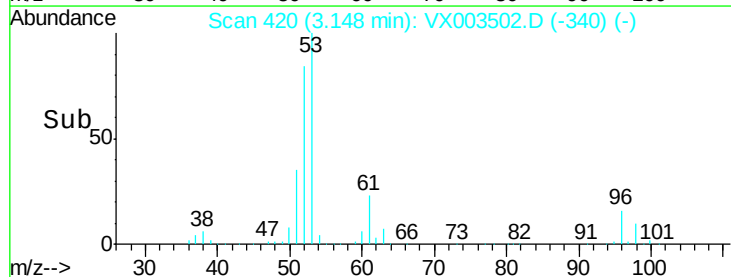
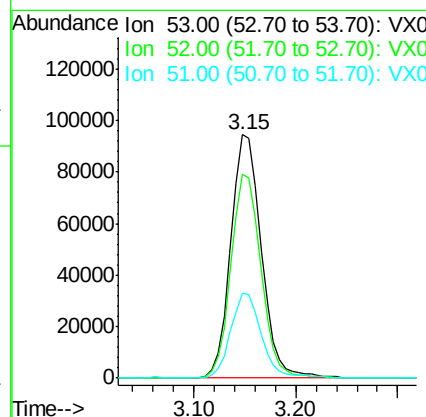
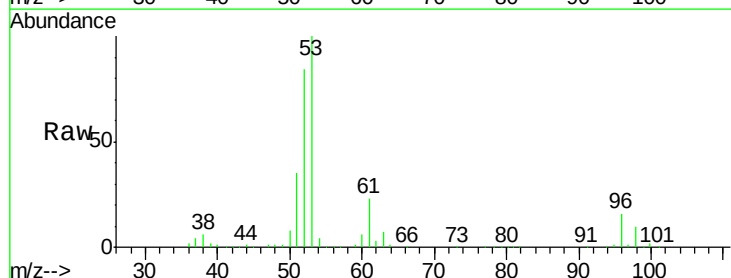
Manual Integrations
APPROVED

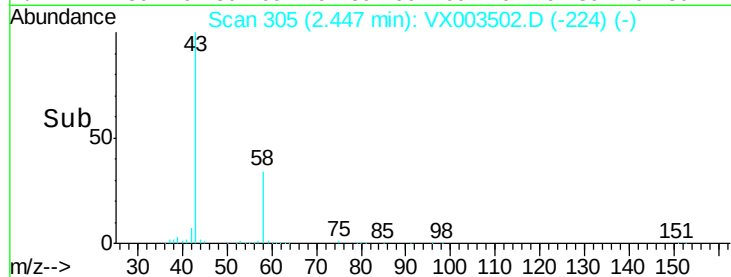
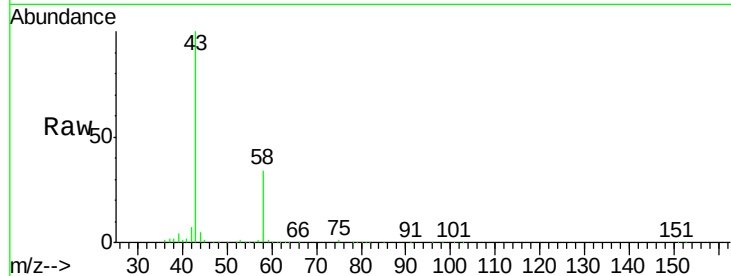
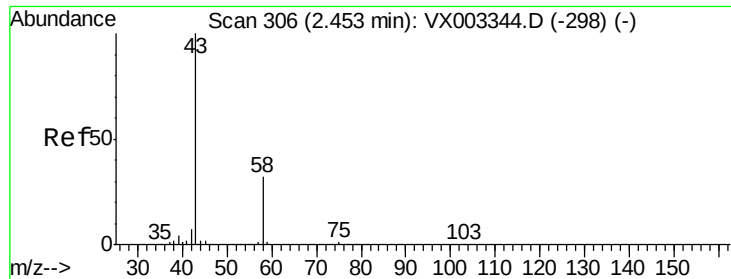
MMDadoda
7/23/2018 12:34:45 PM



#14
Acrylonitrile
Concen: 82.06 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion: 53 Resp: 194897
Ion Ratio Lower Upper
53 100
52 82.7 41.5 124.6
51 34.2 17.9 53.8





#15

Acetone

Concen: 86.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tot Ion: 58 Resp: 53961

Ion Ratio Lower Upper

58 100

43 290.1 278.8 418.2

Instrument :

MSVOA_X

ClientSampleId :

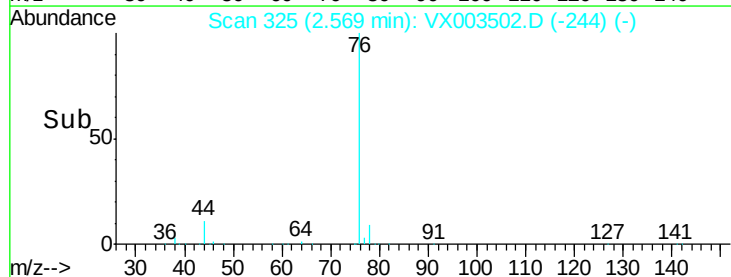
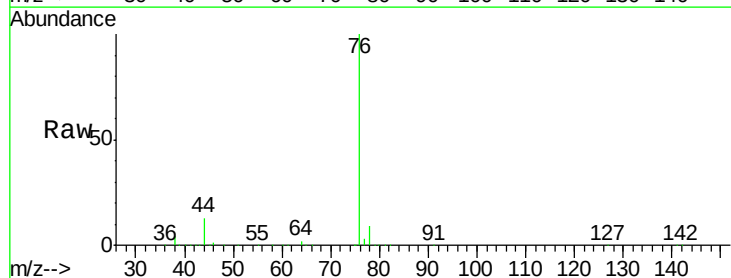
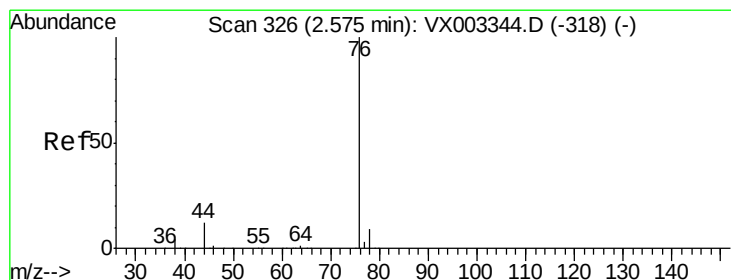
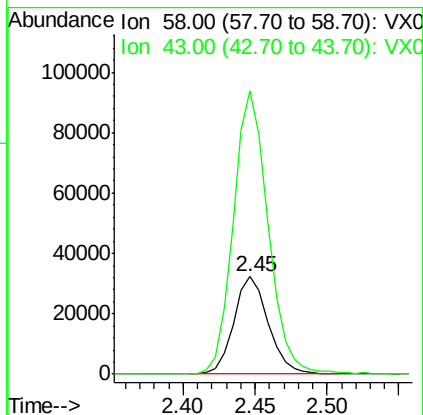
VX0720WBSD01

Manual Integrations

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#16

Carbon Disulfide

Concen: 15.66 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003502.D

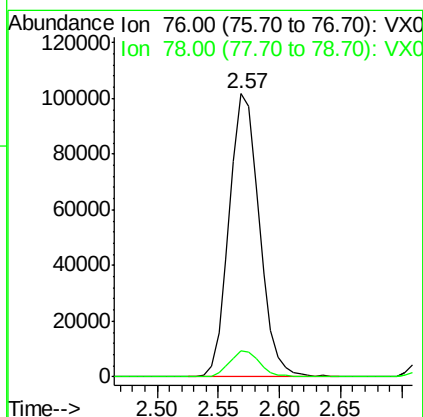
Acq: 20 Jul 2018 11:52

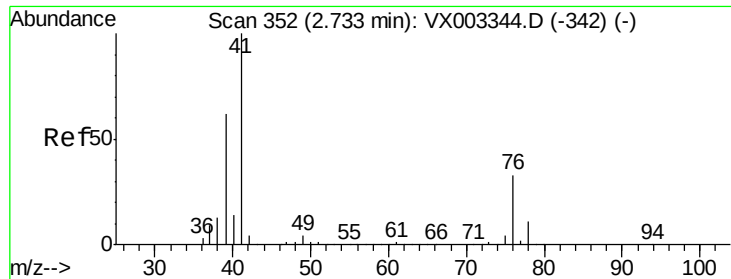
Tgt Ion: 76 Resp: 173838

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





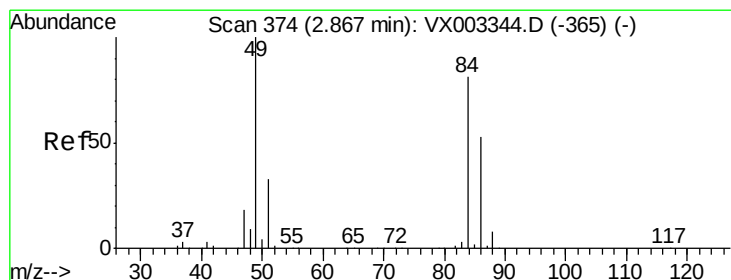
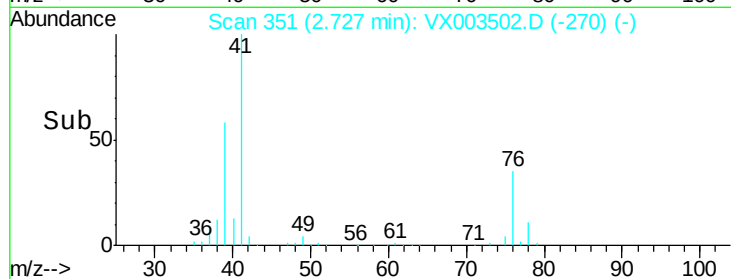
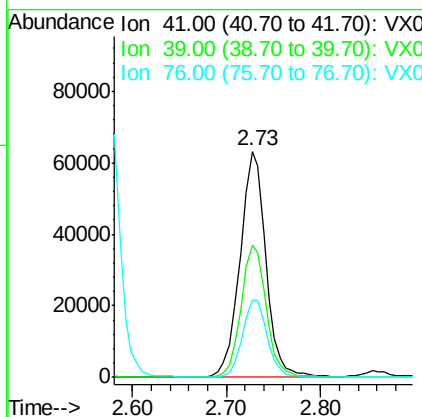
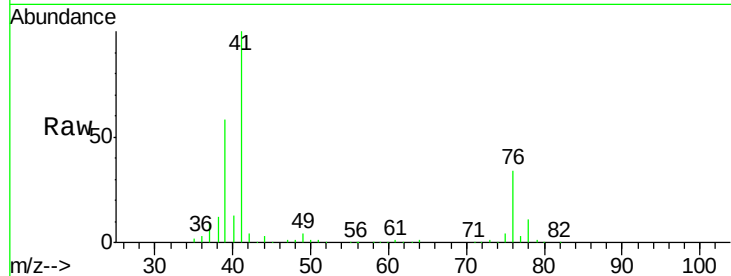
#17
Allvl chloride
Concen: 16.30 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	34.6	103.8
76	34.5	15.0	45.1

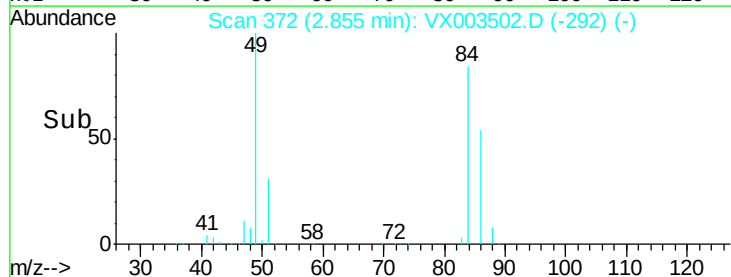
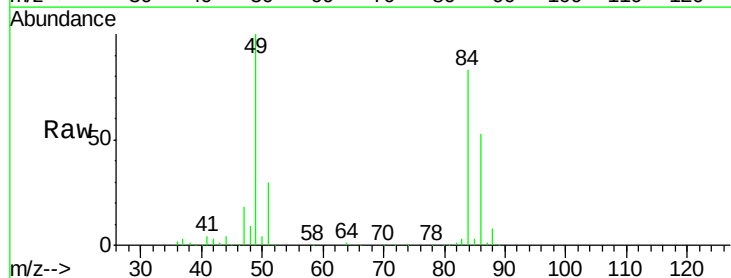
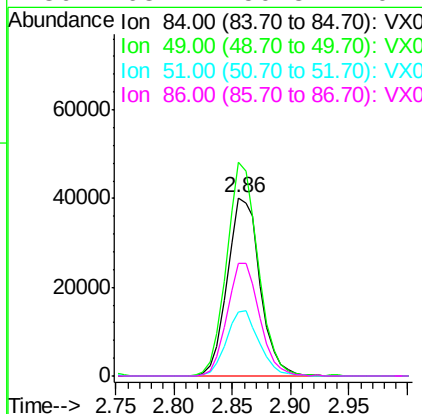
Manual Integrations
APPROVED

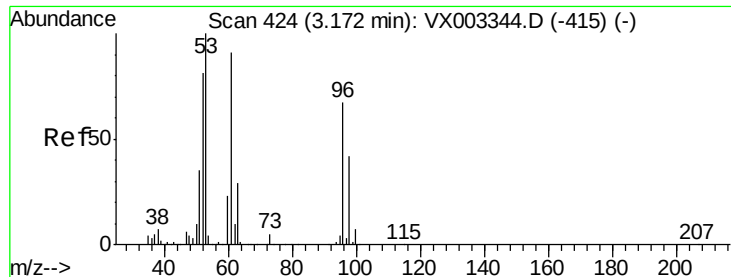
MMDadoda
7/23/2018 12:34:45 PM



#18
Methylene Chloride
Concen: 17.15 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.7	104.7	157.1
51	35.9	31.0	46.4
86	63.2	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 16.85 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

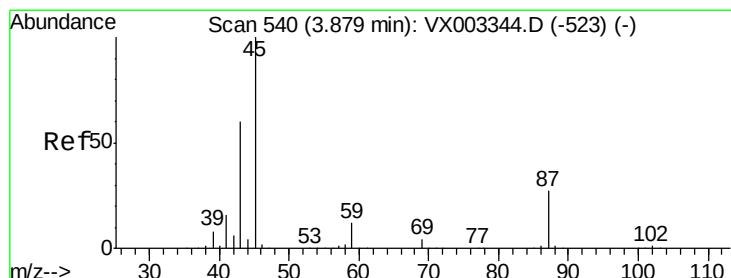
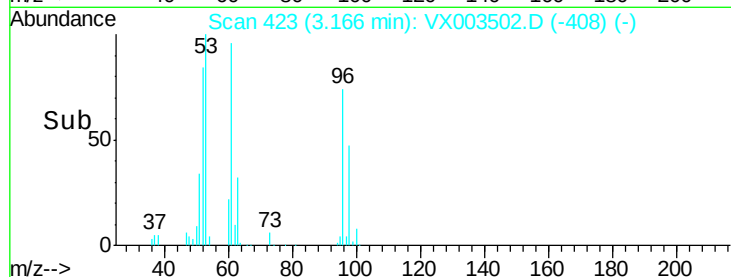
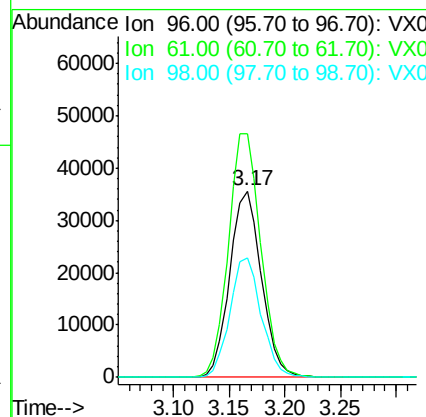
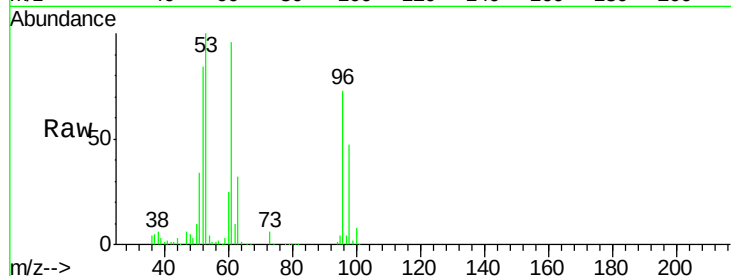
ClientSampleId :

VX0720WBSD01

Tot Ion:	96	Resp:	70622
Ion Ratio	Lower	Upper	
96	100		
61	130.6	114.6	172.0
98	63.8	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 16.55 ug/l

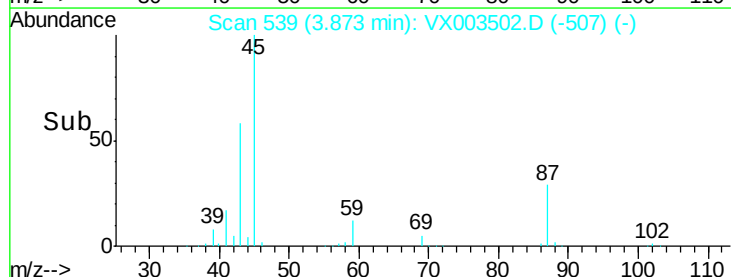
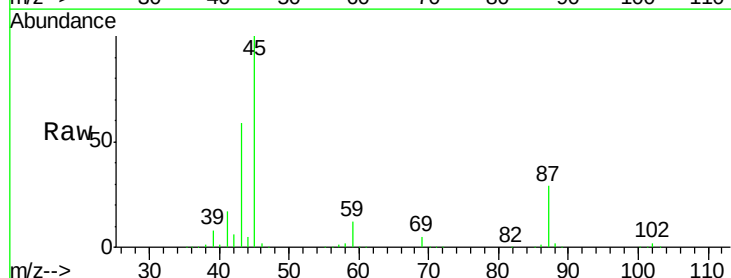
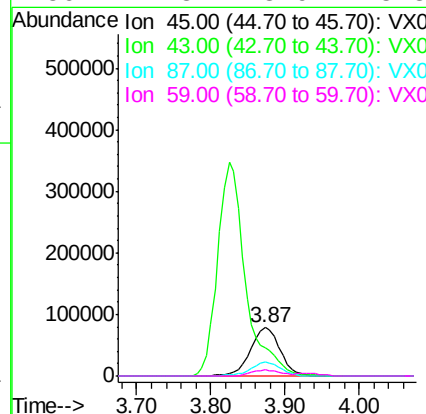
RT: 3.87 min Scan# 539

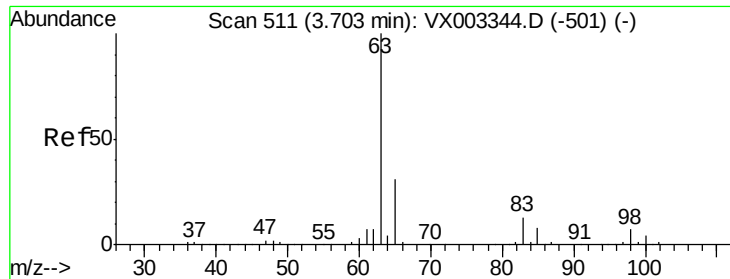
Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	45	Resp:	221158
Ion Ratio	Lower	Upper	
45	100		
43	58.0	45.6	68.4
87	29.1	20.7	31.1
59	12.3	8.9	13.3





#21

1,1-Dichloroethane

Concen: 16.54 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

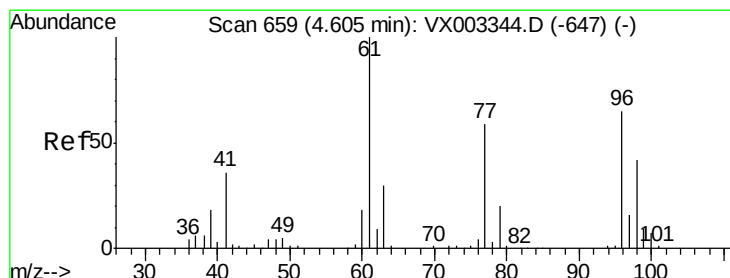
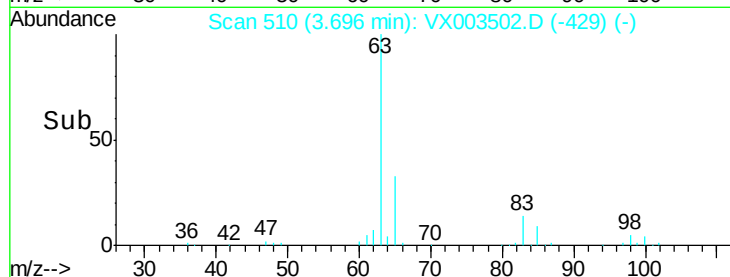
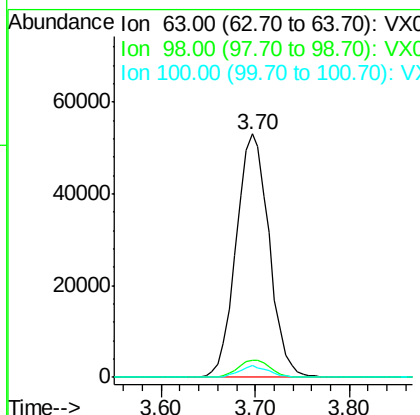
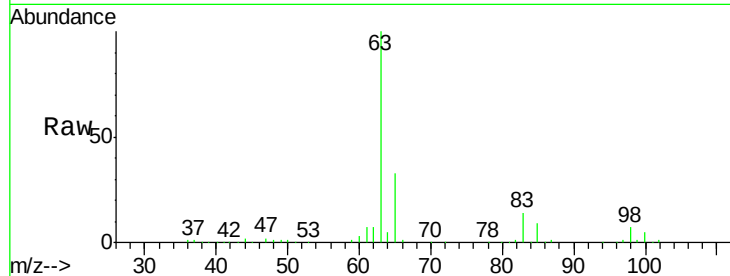
ClientSampled :

VX0720WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	129585		
98	7.0	3.1	9.3	
100	4.6	2.2	6.6	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 17.95 ug/l

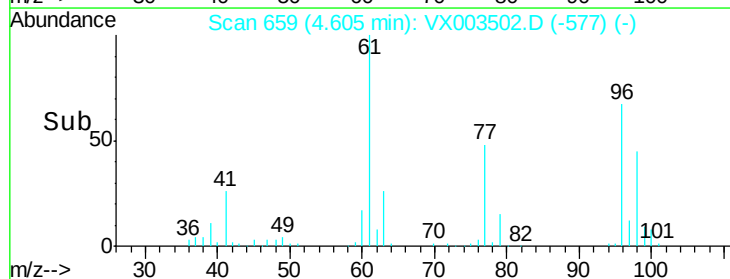
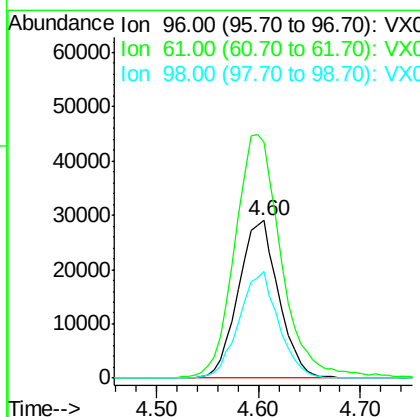
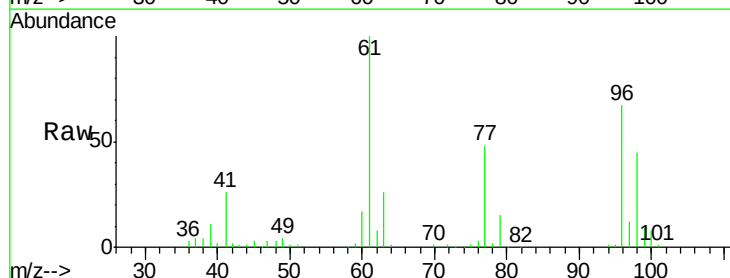
RT: 4.60 min Scan# 659

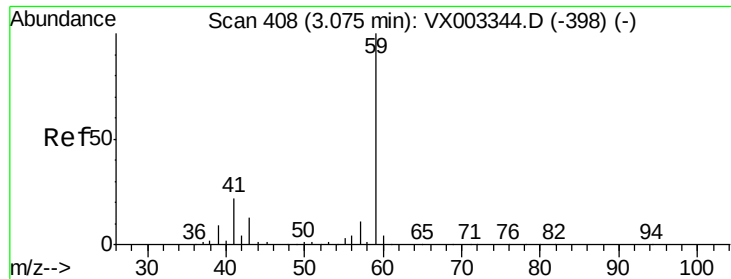
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	80022		
61	177.1	160.2	240.2	
98	66.1	54.1	81.1	





#23

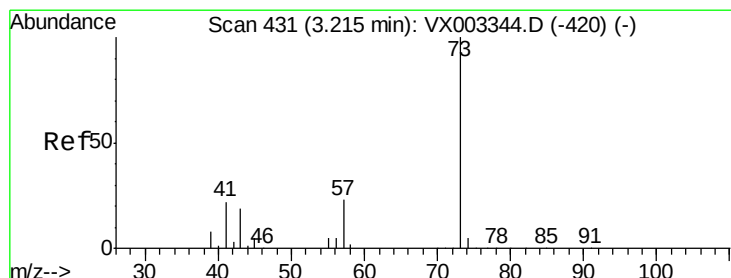
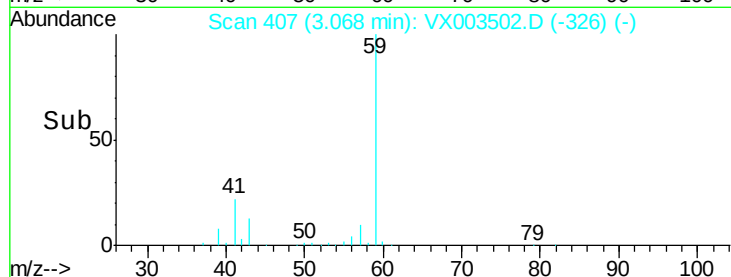
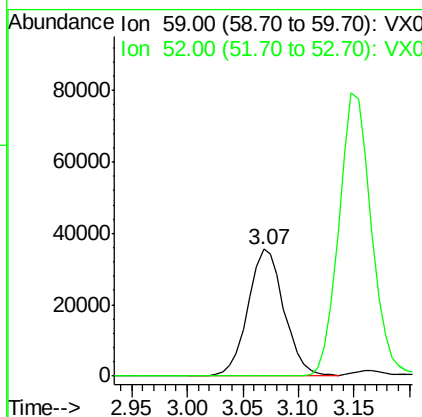
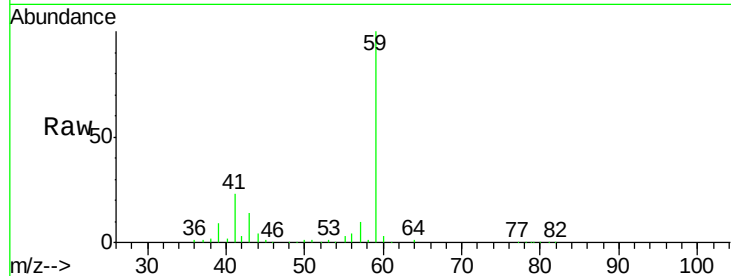
tert-Butyl Alcohol
 Concen: 81.65 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
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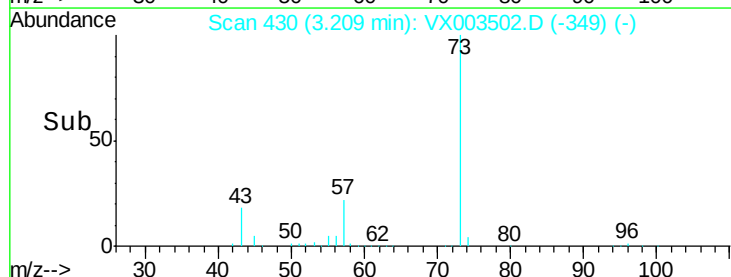
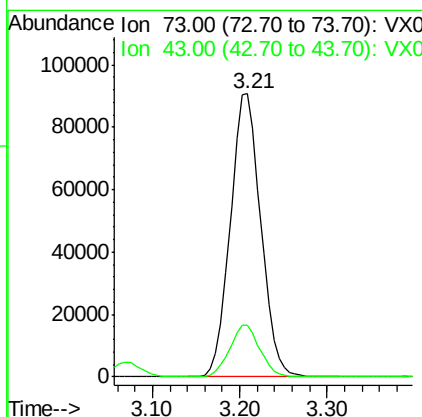
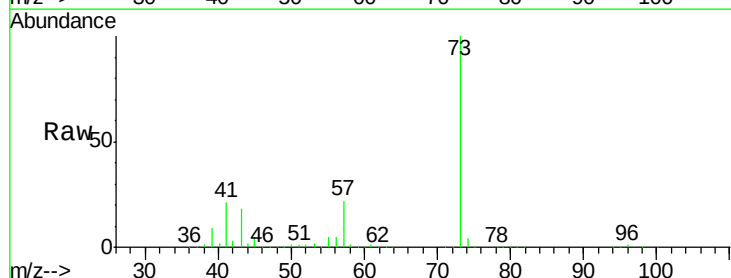
MMDadoda
 7/23/2018 12:34:45 PM

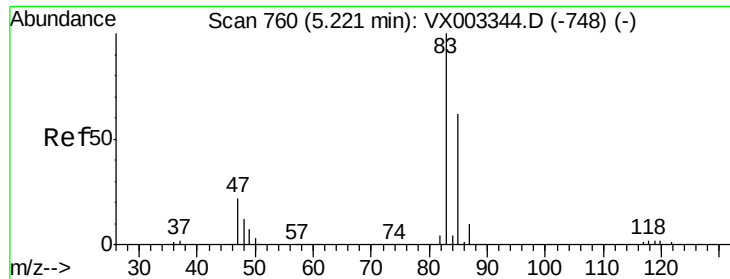


#24

Methyl tert-Butyl Ether
 Concen: 16.93 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.9	19.0	28.4#





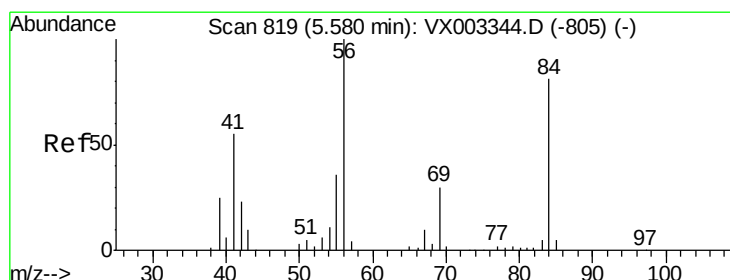
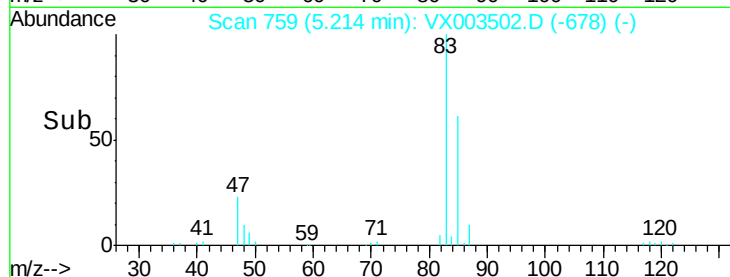
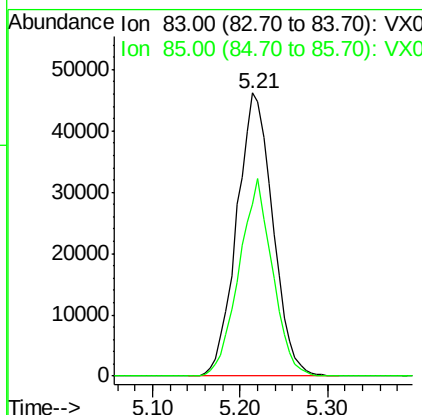
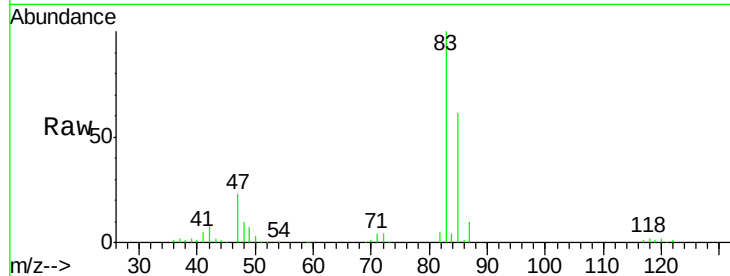
#25
Chloroform
Concen: 18.73 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0720WBSD01

Tot Ion	83	Resp	132148
Ion Ratio	100	Lower	Upper
85	60.8	51.9	77.9

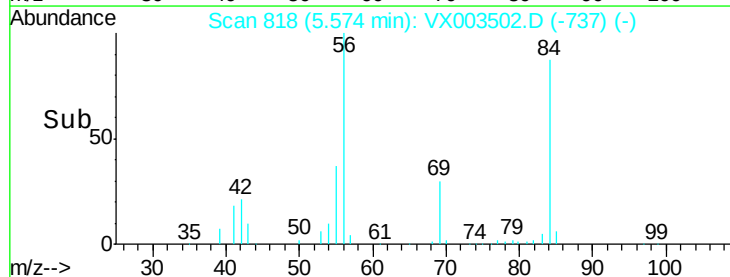
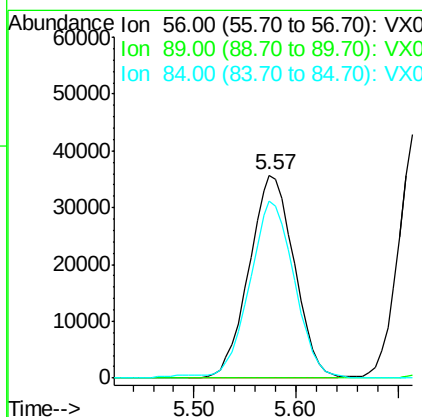
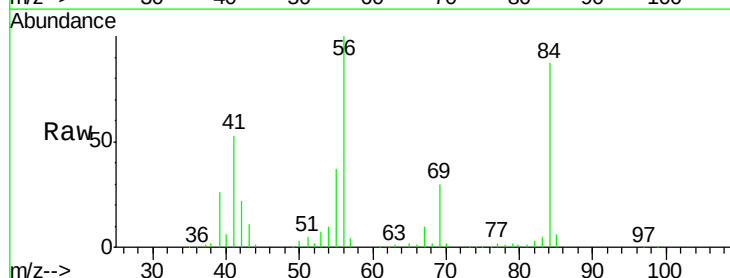
Manual Integrations
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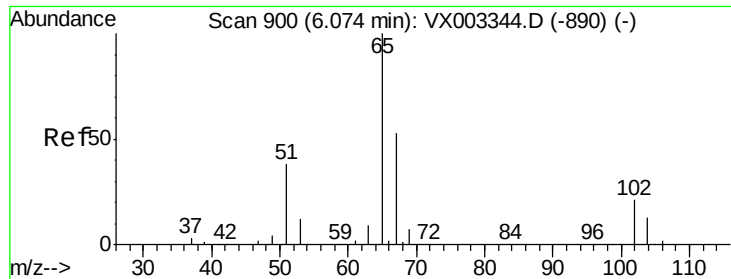
MMDadoda
7/23/2018 12:34:45 PM



#26
Cyclohexane
Concen: 17.93 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	56	Resp	109656
Ion Ratio	100	Lower	Upper
89	0.0	0.1	0.1#
84	85.7	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 28.42 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion: 65 Resp: 121315

Ion Ratio Lower Upper

65 100

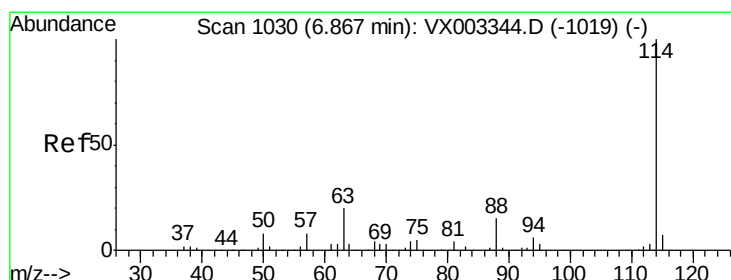
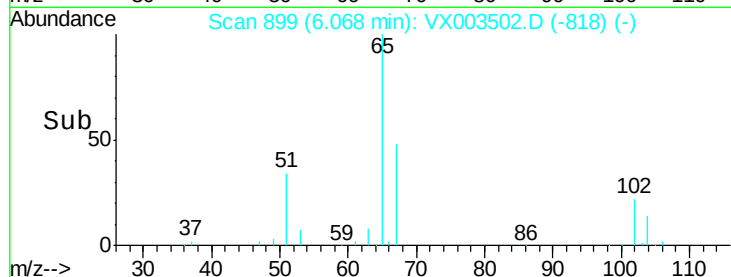
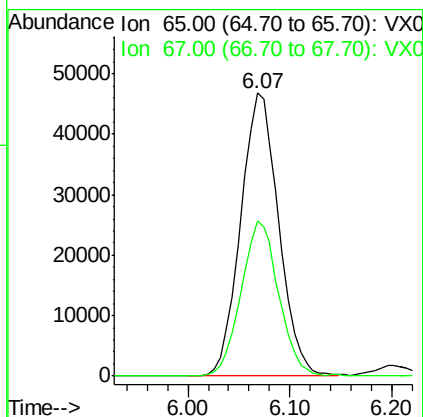
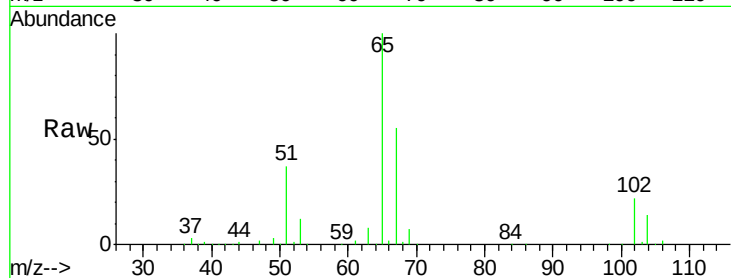
67 54.0 40.9 61.3

Manual Integrations

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MMDadoda

7/23/2018 12:34:45 PM



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

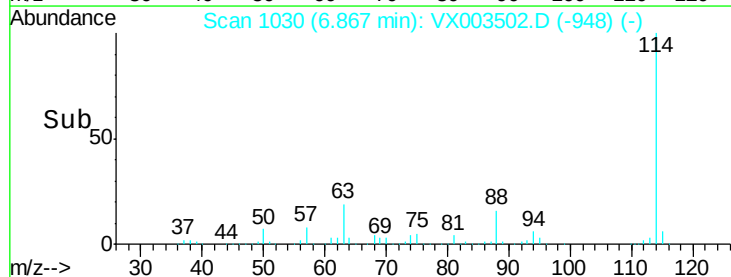
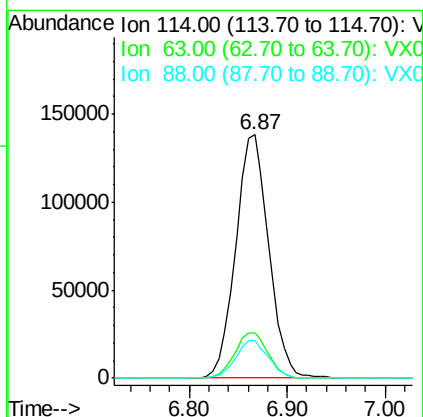
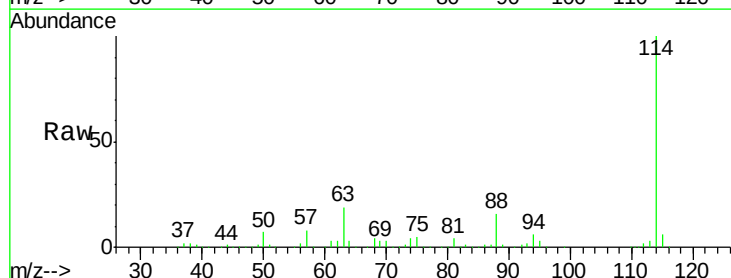
Tgt Ion: 114 Resp: 323377

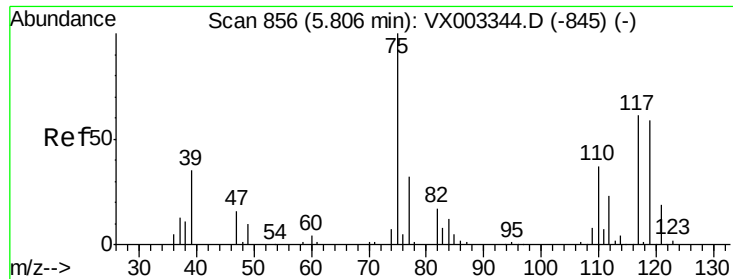
Ion Ratio Lower Upper

114 100

63 19.2 17.1 25.7

88 15.4 12.6 19.0





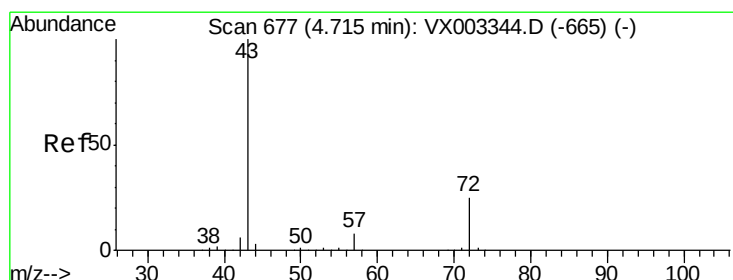
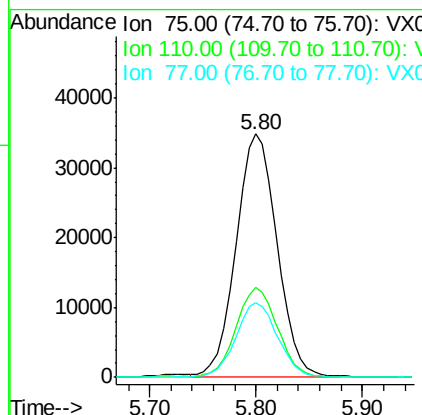
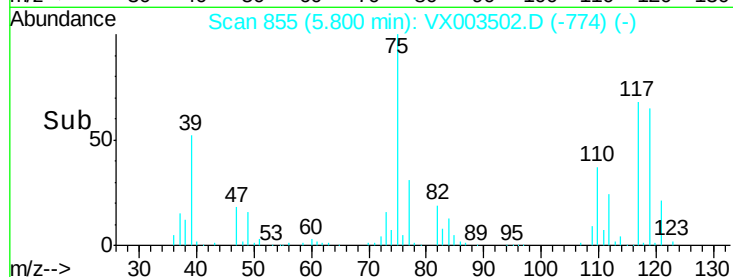
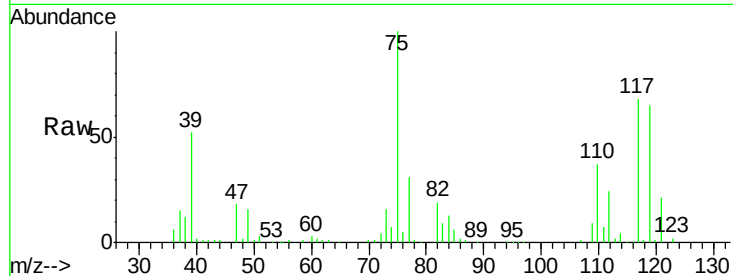
#29
 1,1-Dichloropropene
 Concen: 18.53 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.3	0.0	71.4
77	31.2	0.0	60.6

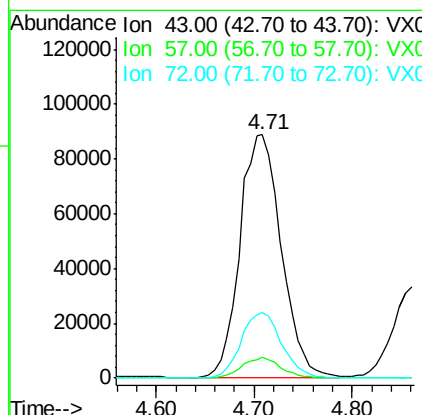
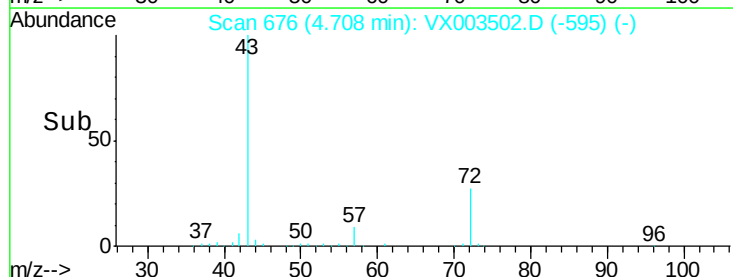
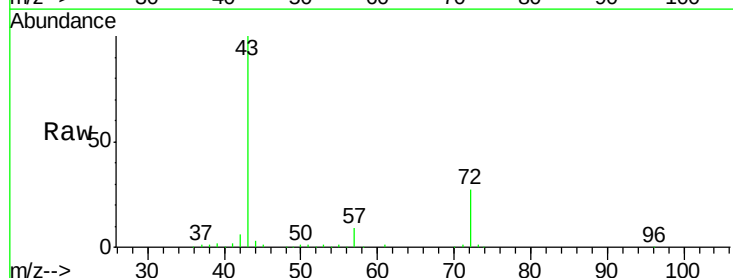
Manual Integrations
 APPROVED

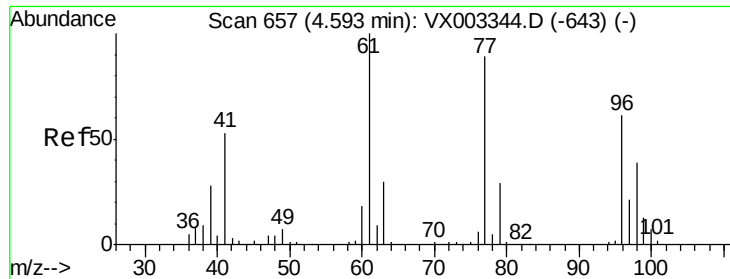
MMDadoda
 7/23/2018 12:34:45 PM



#30
 2-Butanone
 Concen: 91.22 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.1	9.1
72	26.4	18.1	27.1





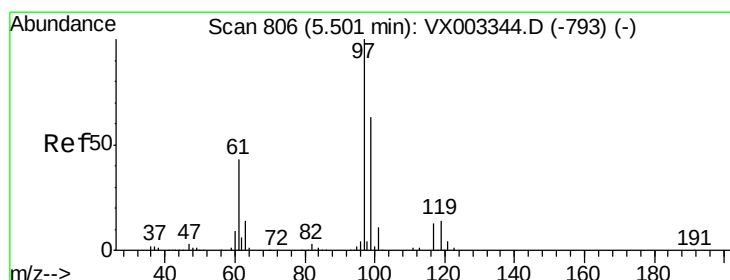
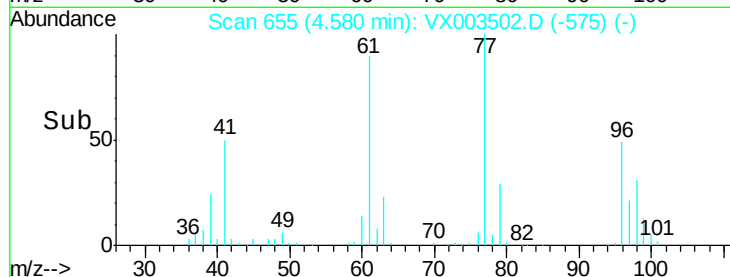
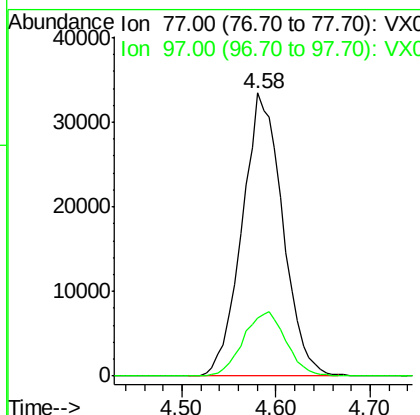
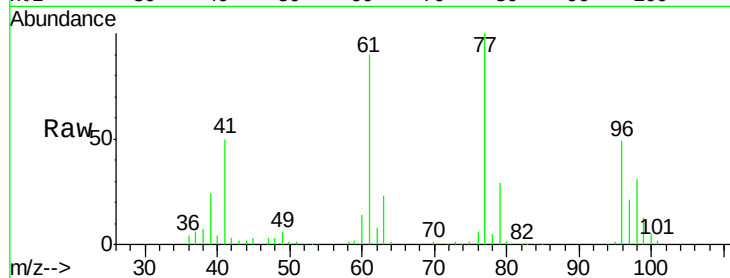
#31
 2,2-Dichloropropane
 Concen: 18.35 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion: 77 Resp: 101034
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.7 28.1

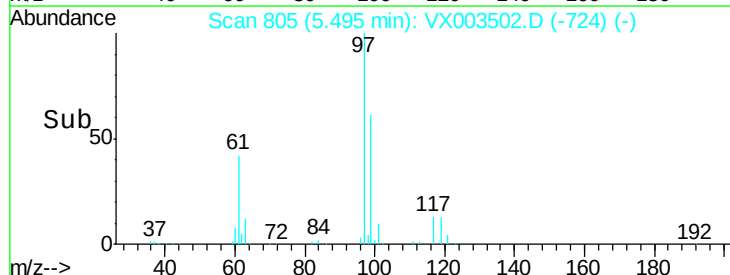
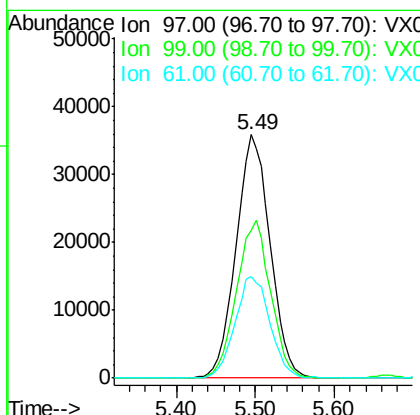
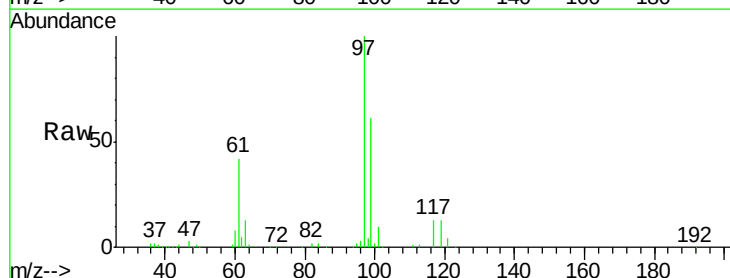
Manual Integrations
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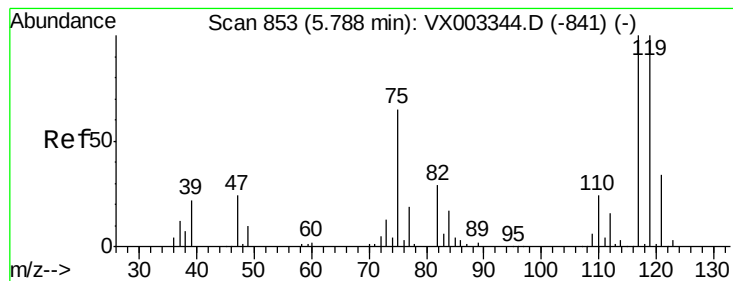
MMDadoda
 7/23/2018 12:34:45 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.64 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion: 97 Resp: 107621
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.7 77.5
 61 42.7 36.4 54.6





#33

Carbon Tetrachloride

Concen: 18.65 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

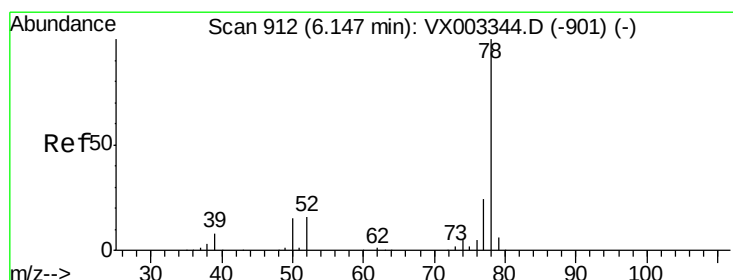
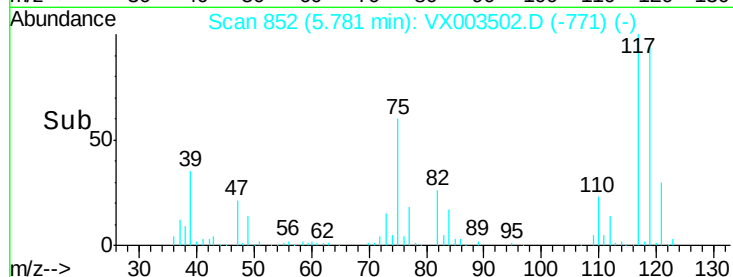
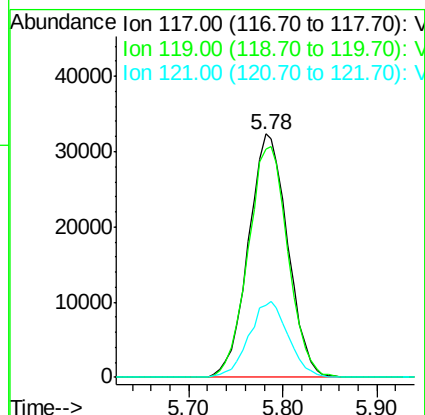
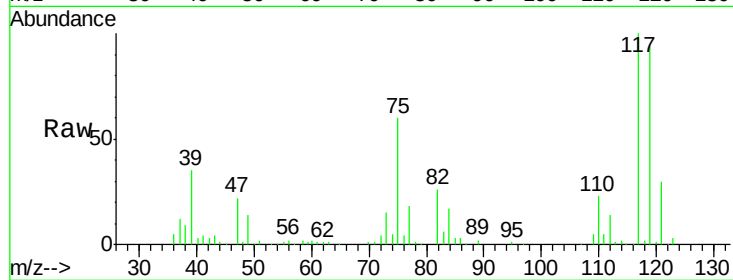
ClientSampleId :

VX0720WBSD01

Tot Ion:	117	Resp:	94507
Ion	Ratio	Lower	Upper
117	100		
119	94.0	73.3	109.9
121	29.9	23.6	35.4

Manual Integrations
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#34

Benzene

Concen: 19.40 ug/l

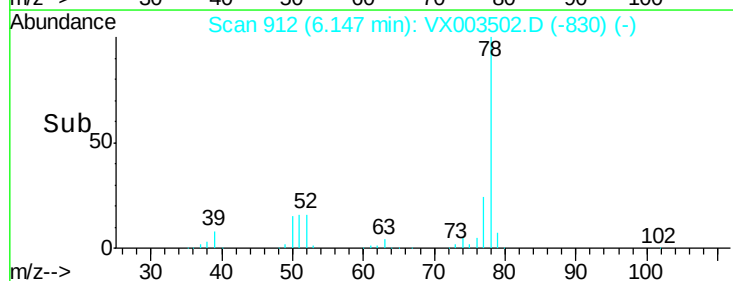
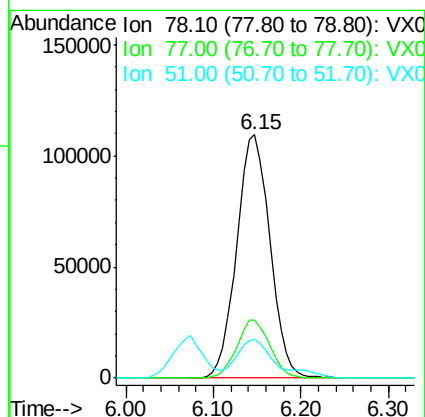
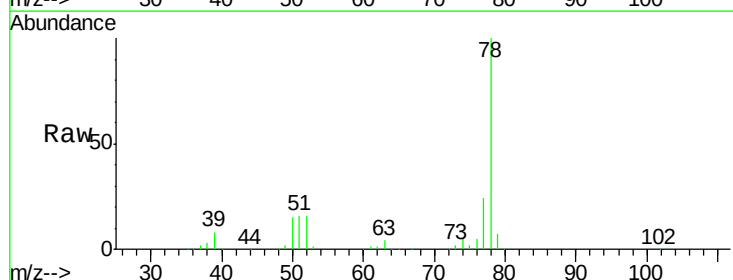
RT: 6.15 min Scan# 912

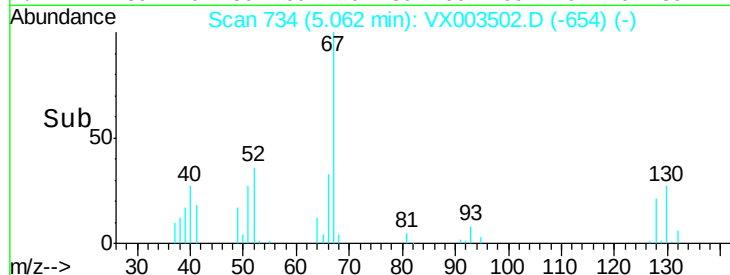
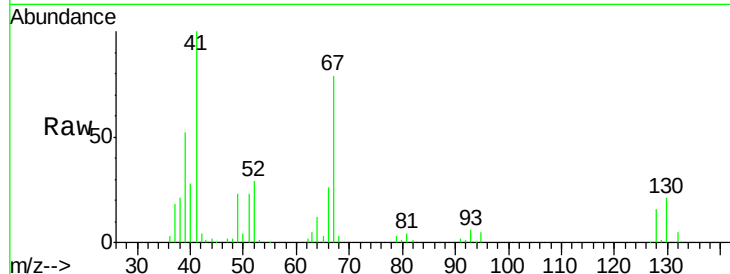
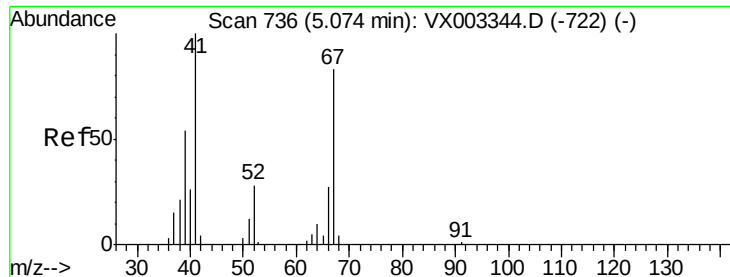
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	78	Resp:	291234
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0
51	15.6	13.8	20.6





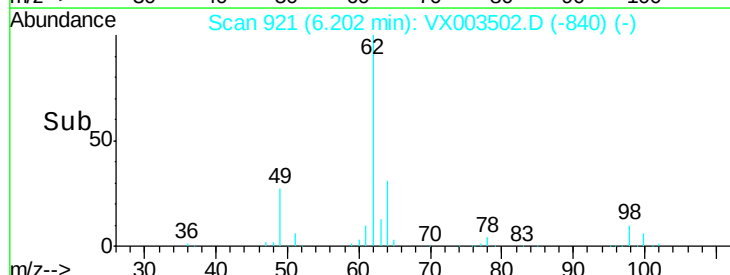
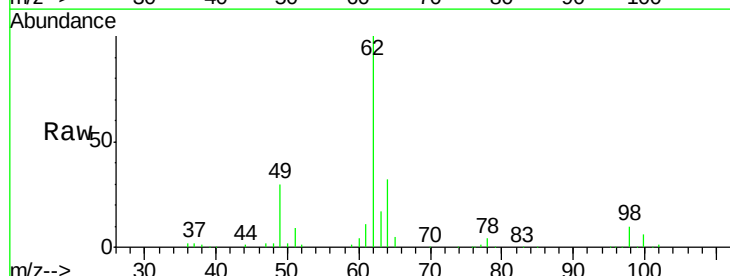
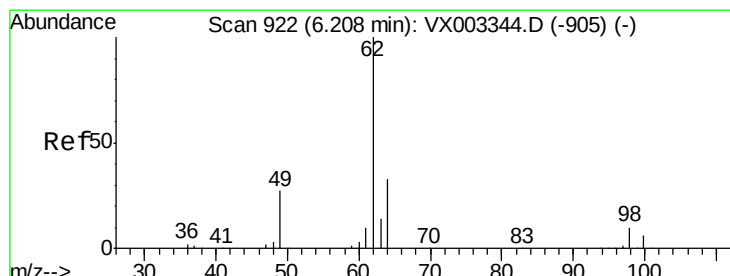
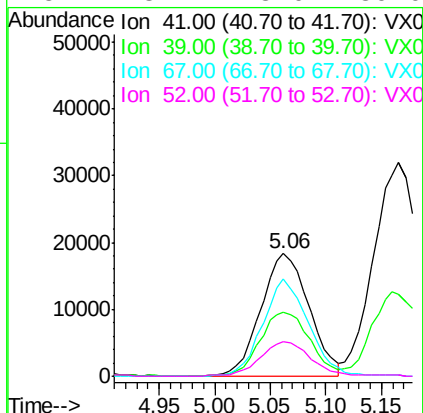
#35
Methacrylonitrile
Concen: 18.39 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.5	28.8	86.5		
67	79.4	30.4	91.2		
52	28.1	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

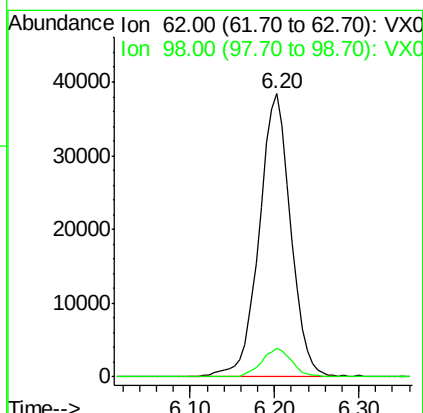
Manual Integrations
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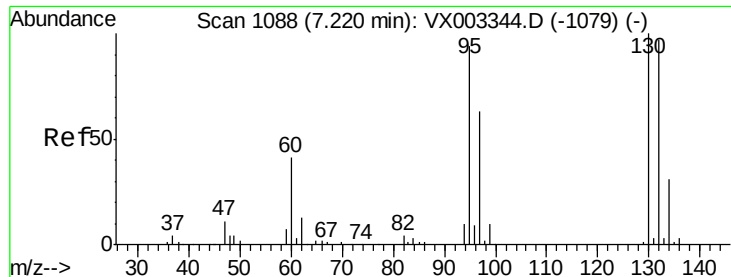
MMDadoda
7/23/2018 12:34:45 PM



#36
1,2-Dichloroethane
Concen: 18.97 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.6	6.5	9.7		





#37

Trichloroethene

Concen: 20.16 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion:130 Resp: 83692

Ion Ratio Lower Upper

130 100

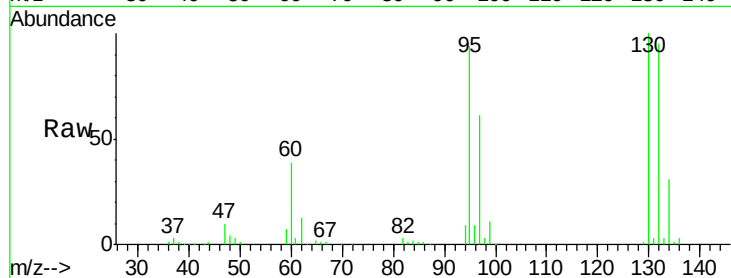
95 93.6 81.5 122.3

Manual Integrations

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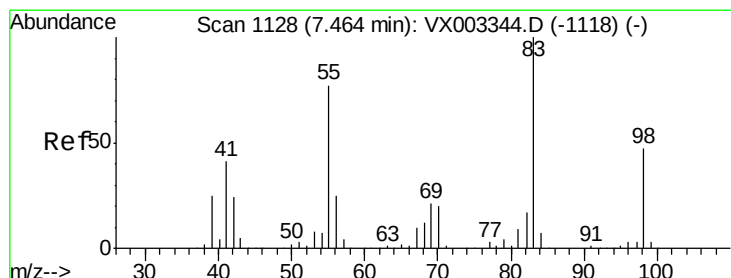
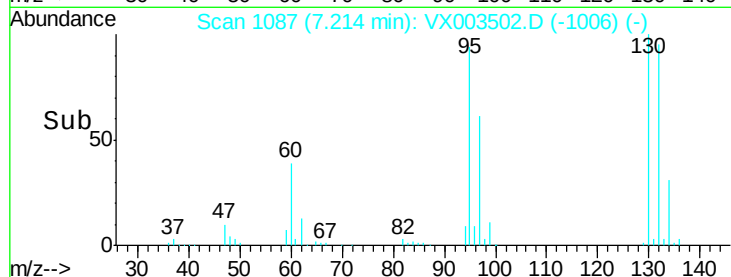
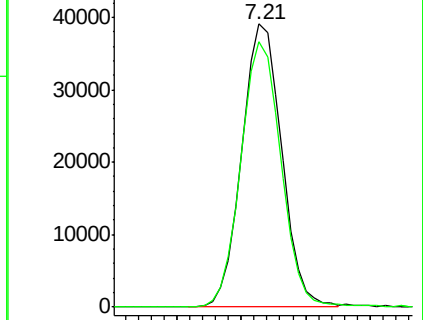
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.08 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

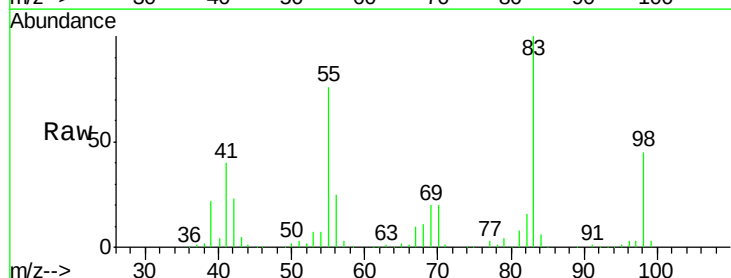
Tgt Ion: 83 Resp: 109940

Ion Ratio Lower Upper

83 100

55 76.8 40.6 121.8

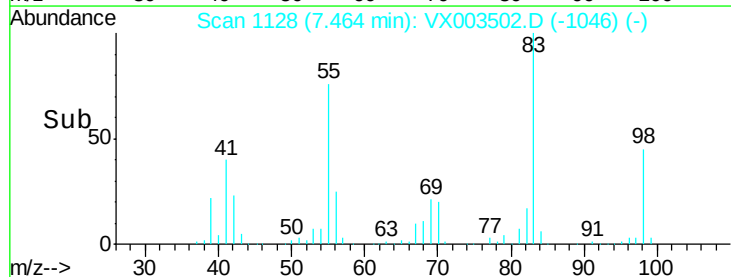
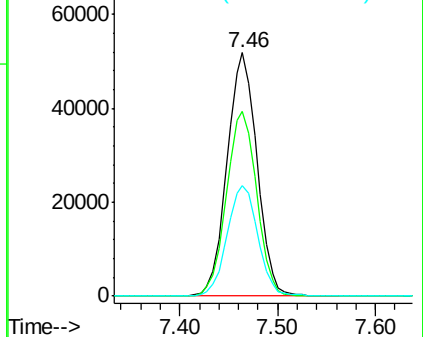
98 46.5 23.5 70.5

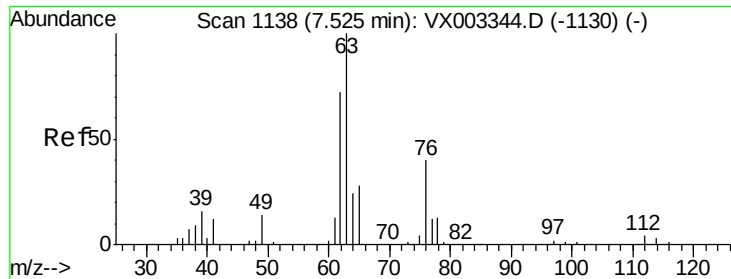


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





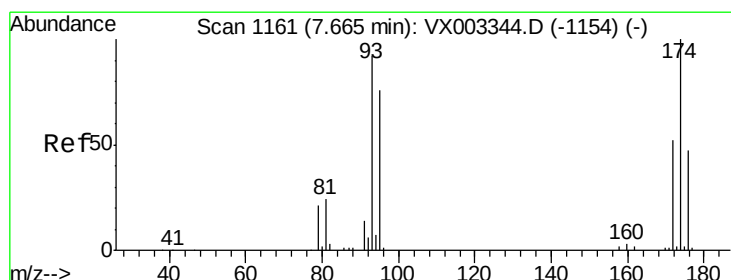
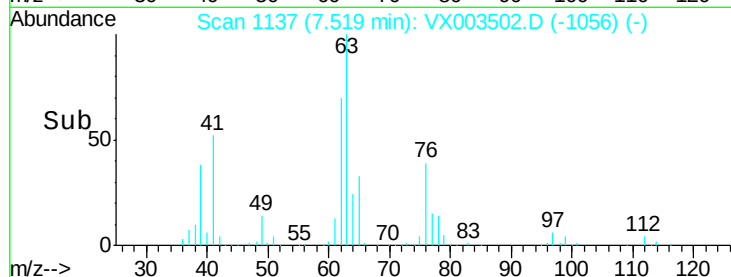
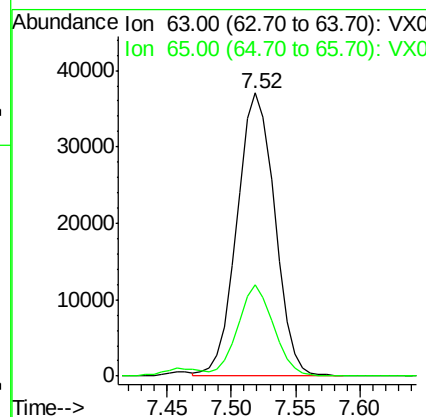
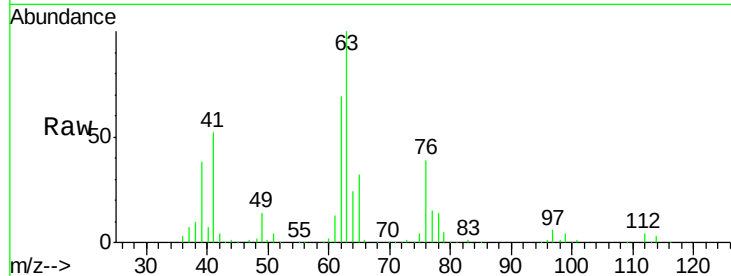
#39
 1,2-Dichloropropane
 Concen: 19.50 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion: 63 Resp: 75666
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.3 34.9

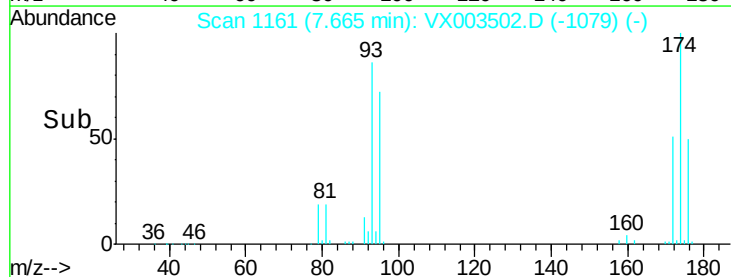
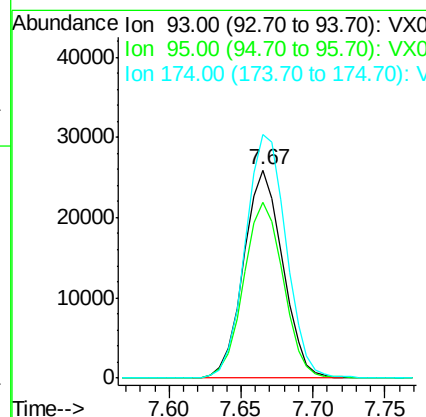
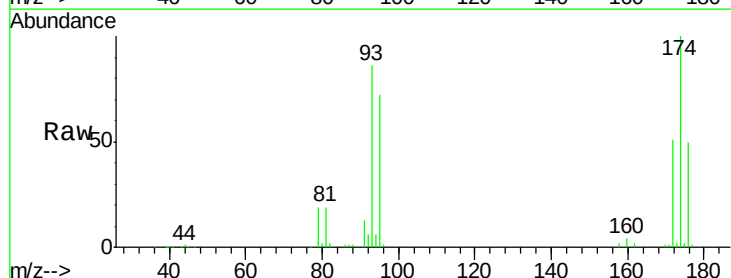
Manual Integrations
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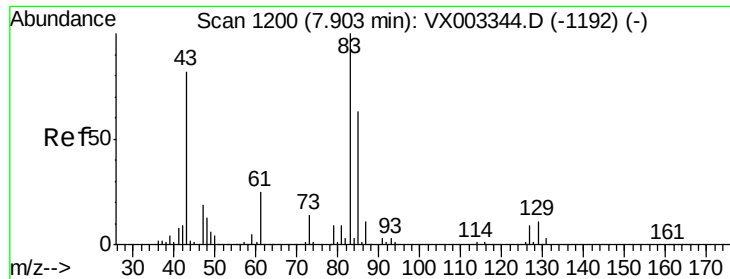
MMDadoda
 7/23/2018 12:34:45 PM



#40
 Dibromomethane
 Concen: 19.19 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion: 93 Resp: 48882
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 162.6
 174 121.7 0.0 229.4





#41

Bromodichloromethane

Concen: 19.23 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

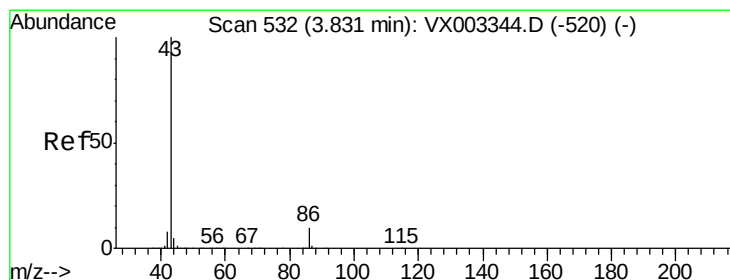
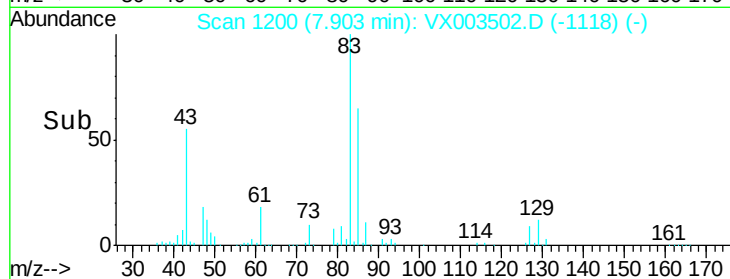
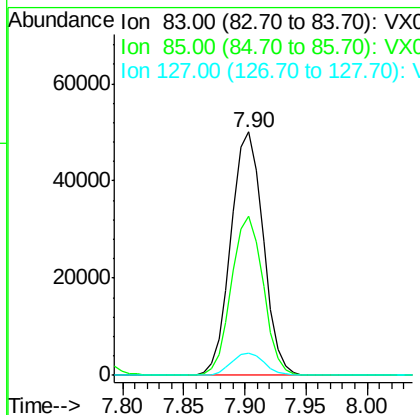
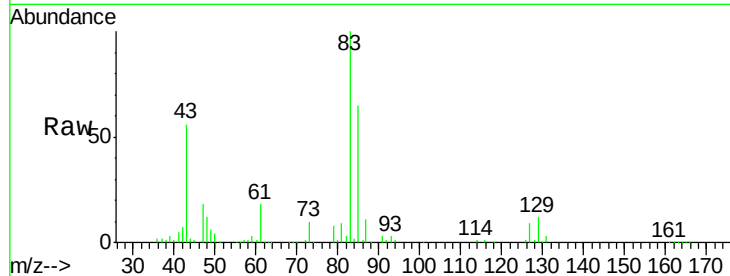
ClientSampleId :

VX0720WBSD01

Tot Ion:	83	Resp:	91562
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.8	74.8
127	9.0	7.3	10.9

Manual Integrations
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7/23/2018 12:34:45 PM



#42

Vinyl Acetate

Concen: 82.85 ug/l

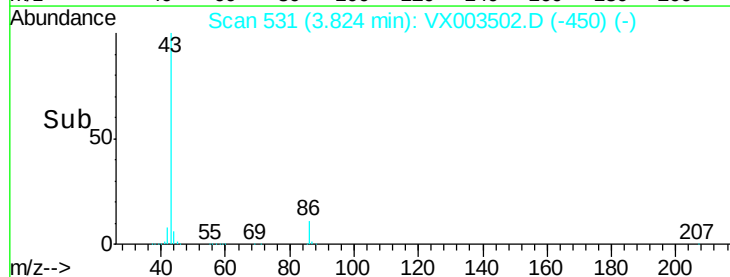
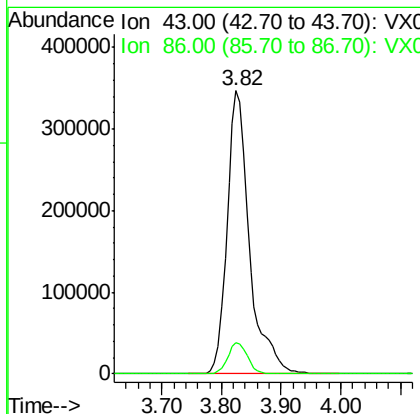
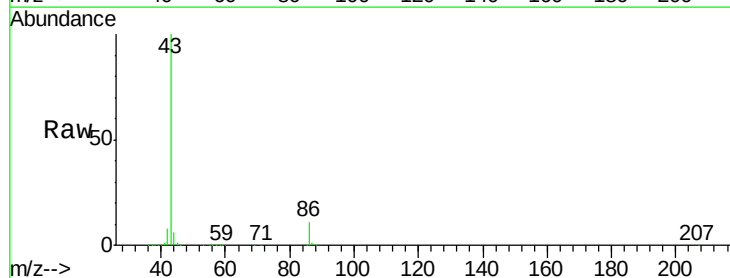
RT: 3.82 min Scan# 531

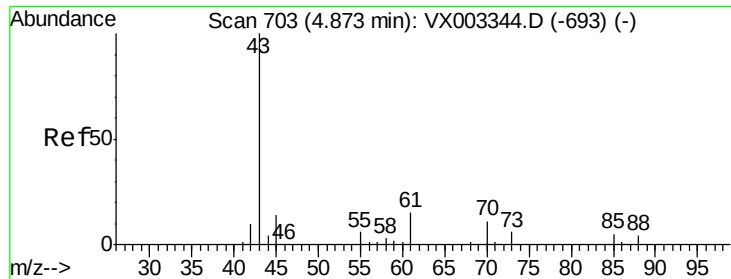
Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	43	Resp:	906756
Ion Ratio	Lower	Upper	
43	100		
86	9.7	6.7	10.1





#43

Ethyl Acetate

Concen: 18.36 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleID :

VX0720WBSD01

Tot Ion: 43 Resp: 99352

Ion Ratio Lower Upper

43 100

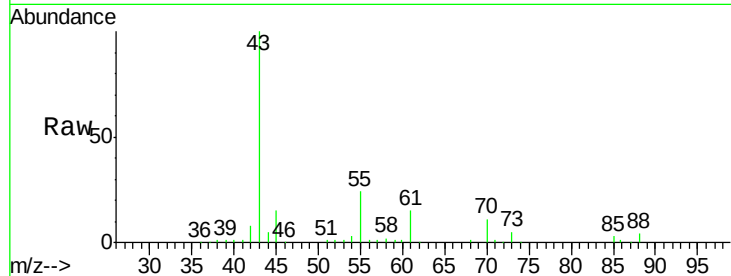
45 14.8 11.0 16.4

Manual Integrations

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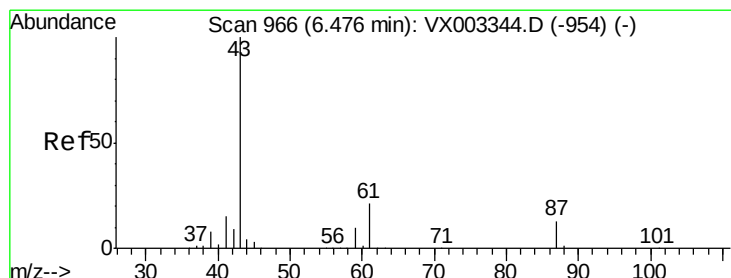
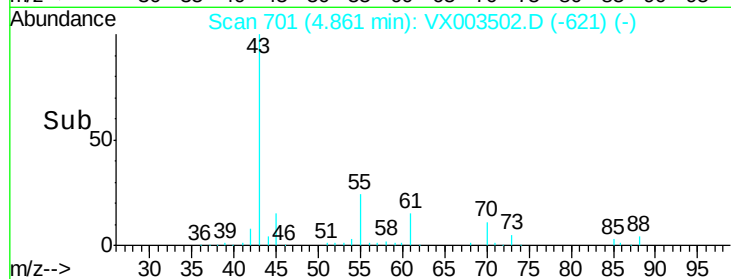
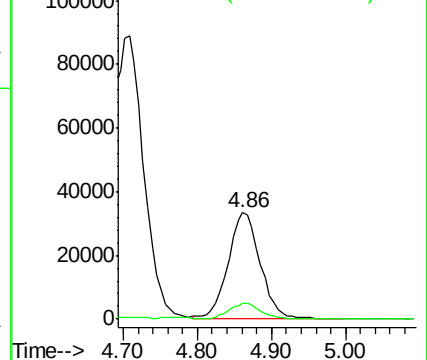
MMDadoda

7/23/2018 12:34:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 18.14 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003502.D

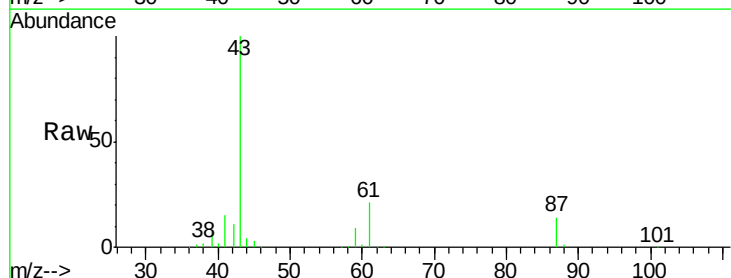
Acq: 20 Jul 2018 11:52

Tgt Ion: 43 Resp: 150469

Ion Ratio Lower Upper

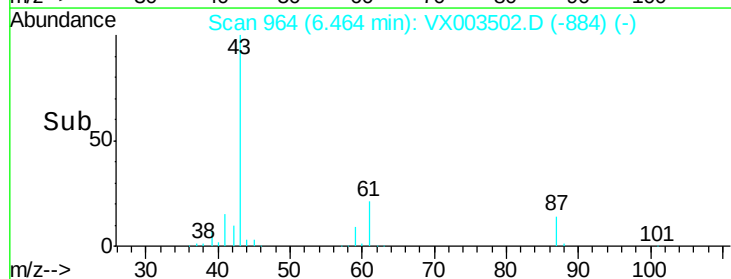
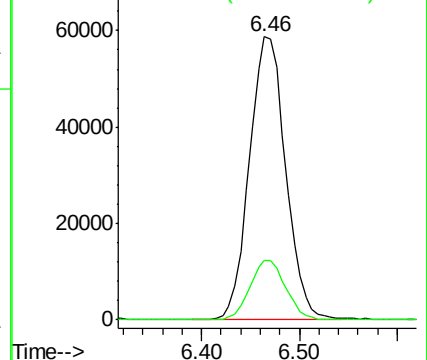
43 100

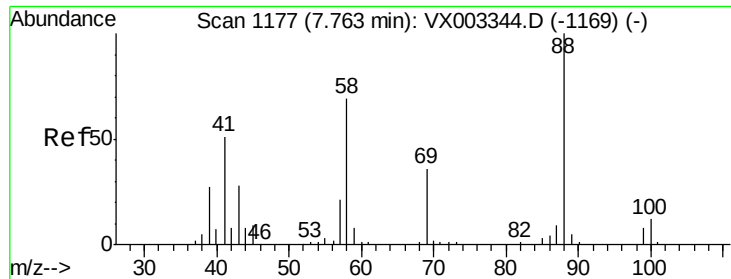
61 20.8 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 373.82 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

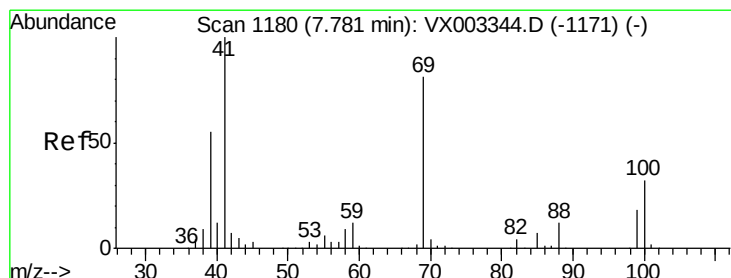
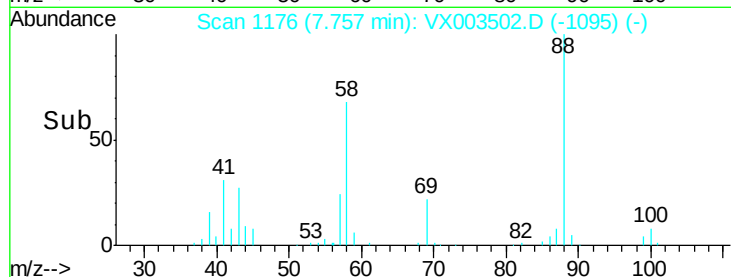
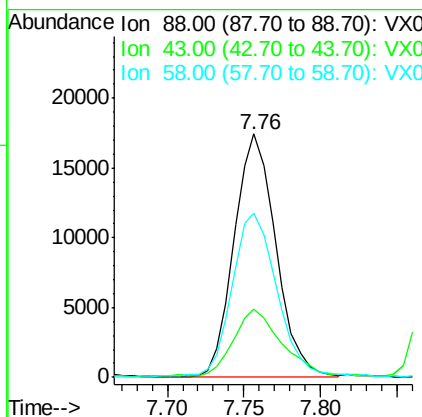
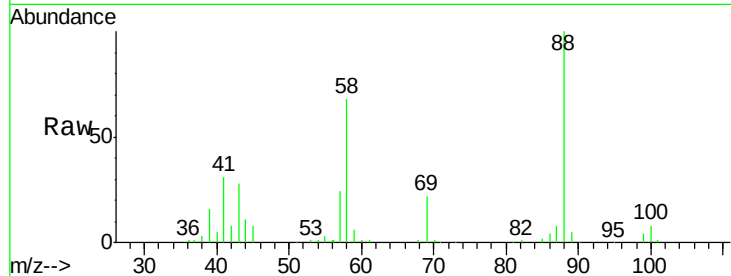
ClientSampleId :

VX0720WBSD01

Tot Ion:	88	Resp:	33095
Ion	Ratio	Lower	Upper
88	100		
43	30.6	43.2	64.8#
58	70.1	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:34:45 PM



#46

Methyl methacrylate

Concen: 18.16 ug/l

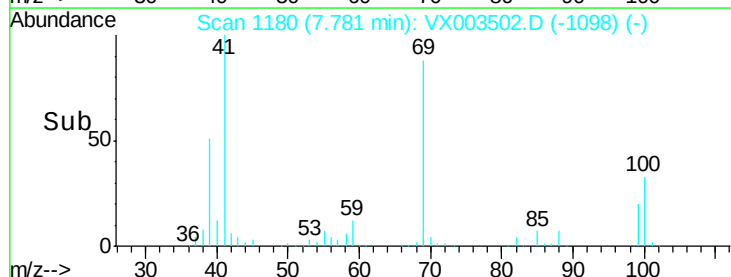
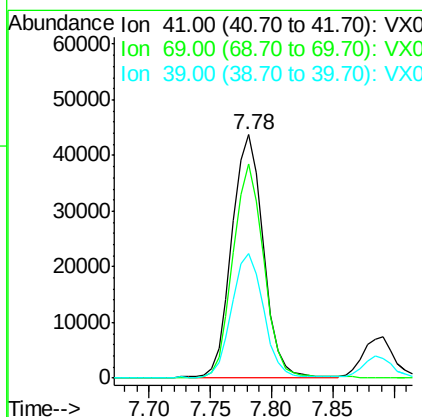
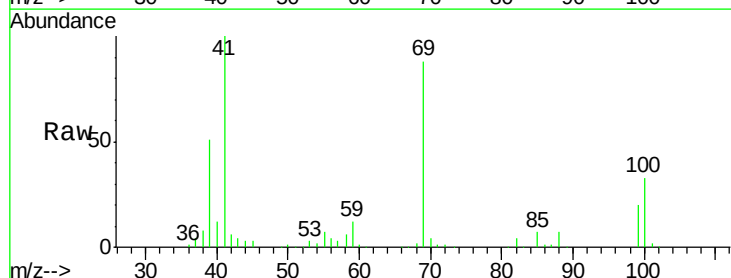
RT: 7.78 min Scan# 1180

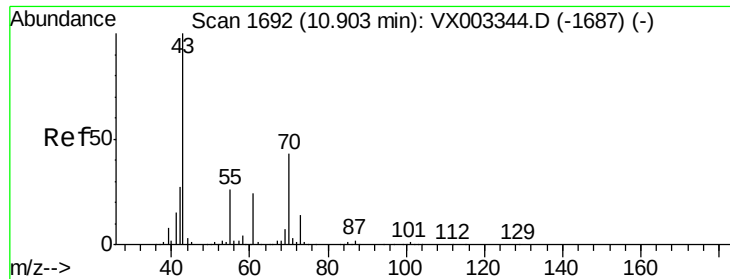
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	41	Resp:	77873
Ion	Ratio	Lower	Upper
41	100		
69	88.3	37.0	110.9
39	51.0	29.6	88.9





#47

n-amvl Acetate

Concen: 16.63 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion: 43 Resp: 118787

Ion Ratio Lower Upper

43 100

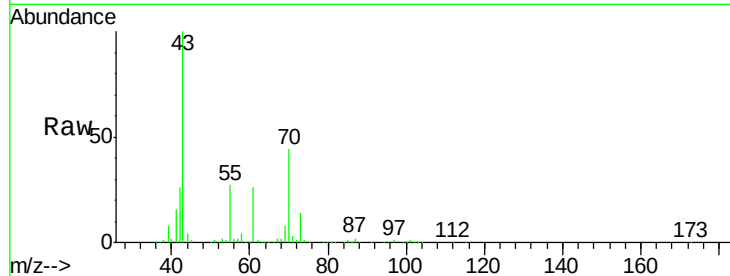
55 27.1 0.1 0.1#

Manual Integrations

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MMDadoda

7/23/2018 12:34:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

60000

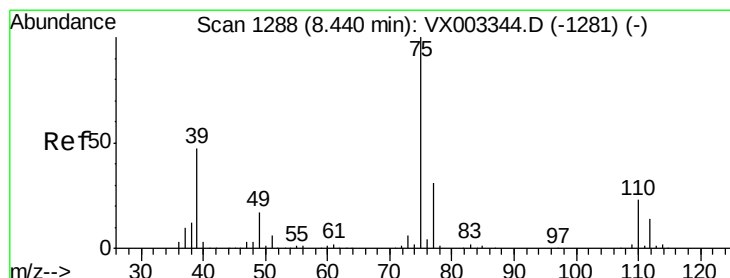
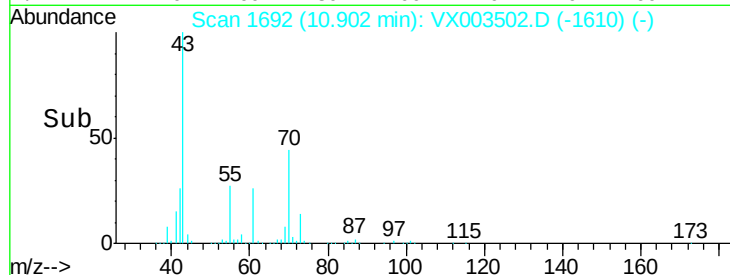
40000

20000

0

Time-->

10.85 10.90 10.95 11.00



#48

t-1,3-Dichloropropene

Concen: 19.14 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003502.D

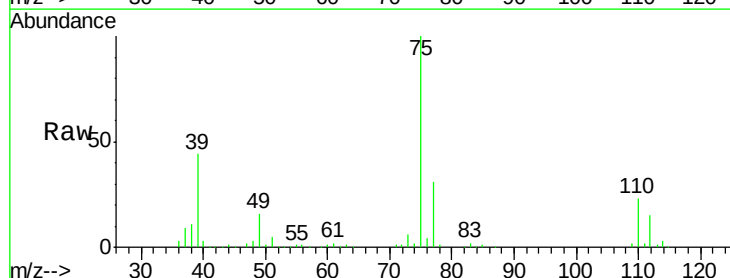
Acq: 20 Jul 2018 11:52

Tgt Ion: 75 Resp: 110915

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

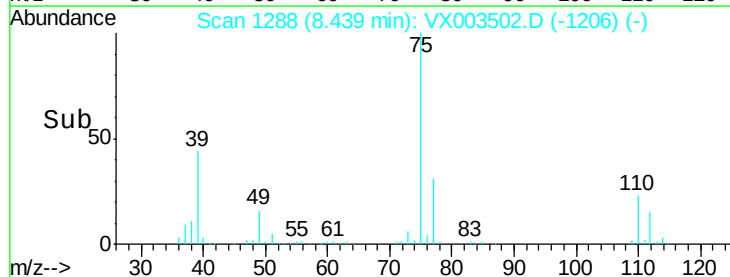
40000

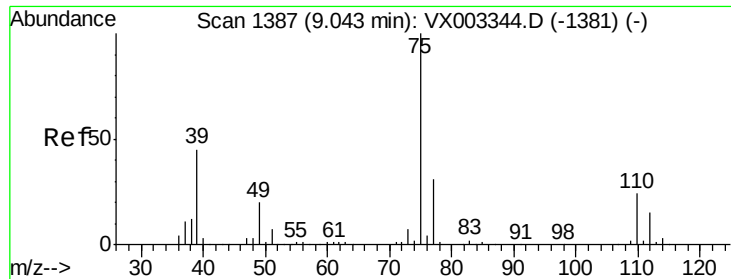
20000

0

Time-->

8.35 8.40 8.45 8.50 8.55





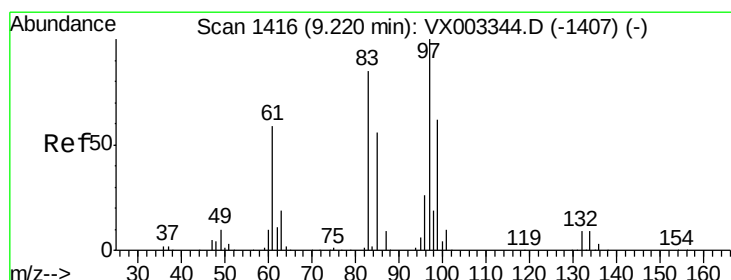
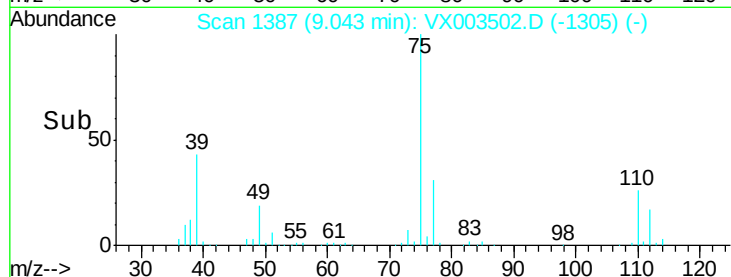
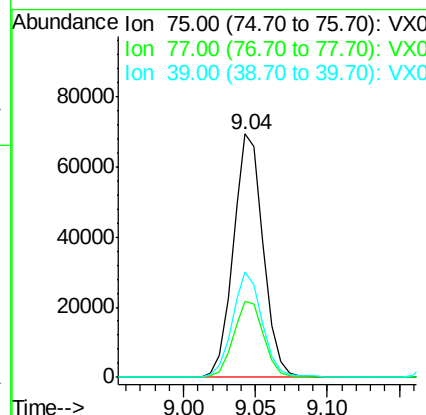
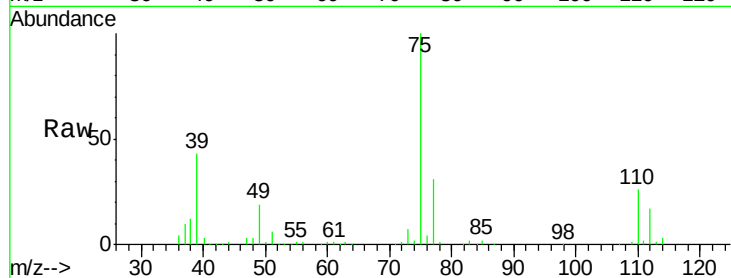
#49
 cis-1,3-Dichloropropene
 Concen: 19.14 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	43.0	42.3	63.5

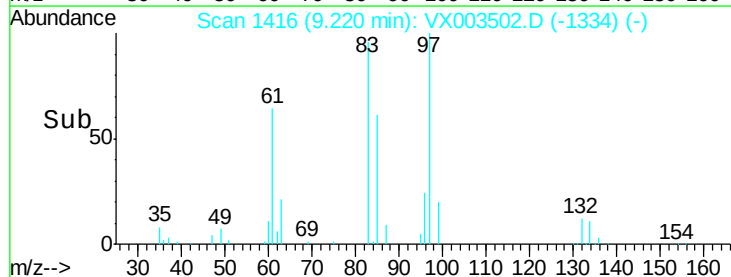
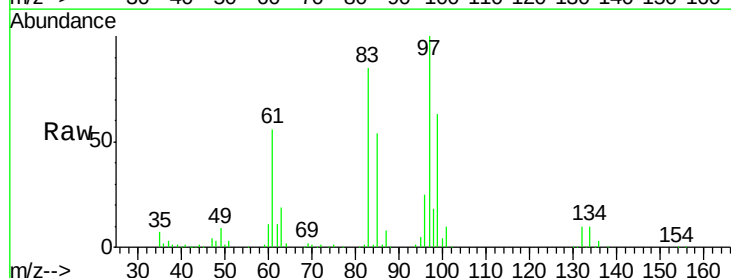
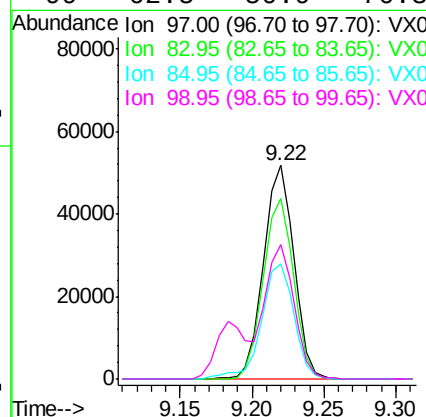
Manual Integrations
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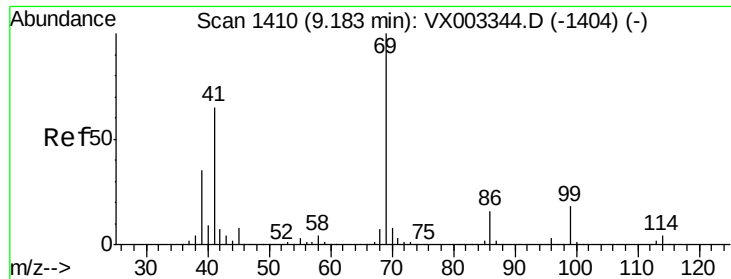
MMDadoda
 7/23/2018 12:34:45 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.69 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.8	106.2
85	53.9	43.5	65.3
99	62.5	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.81 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

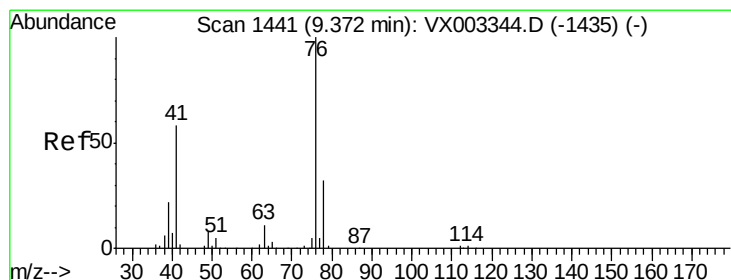
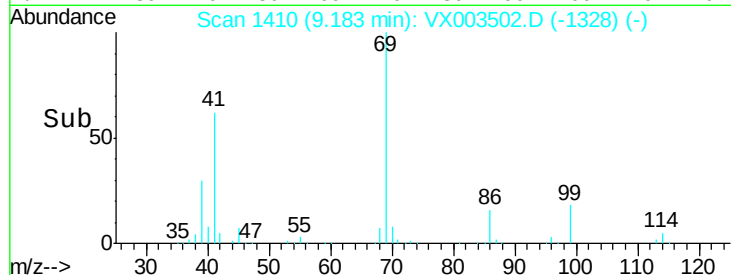
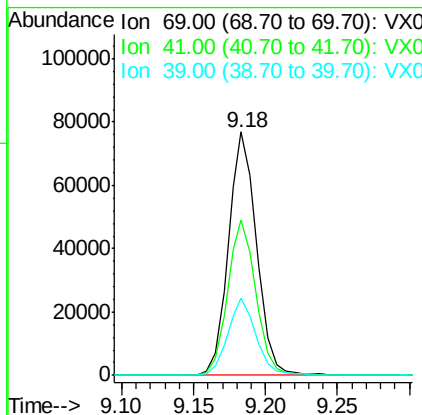
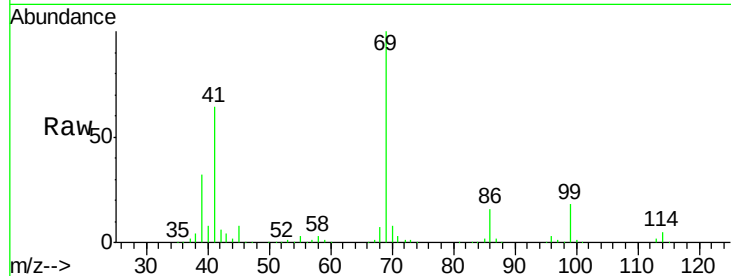
ClientSampleId :

VX0720WBSD01

Tot Ion:	69	Resp:	105338
Ion Ratio	Lower	Upper	
69	100		
41	63.9	39.1	117.3
39	31.6	21.7	65.1

Manual Integrations
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7/23/2018 12:34:45 PM



#52

1,3-Dichloropropane

Concen: 19.62 ug/l

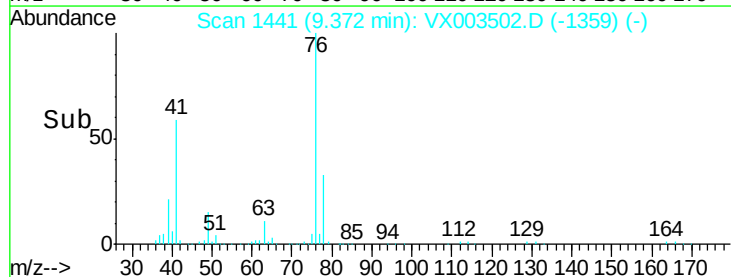
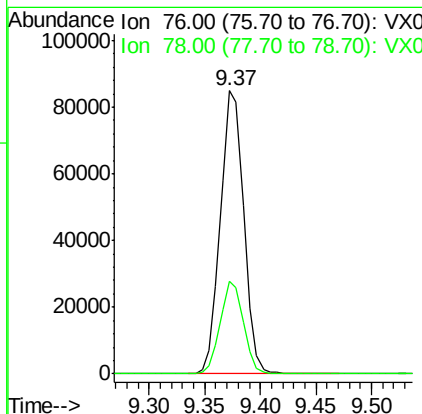
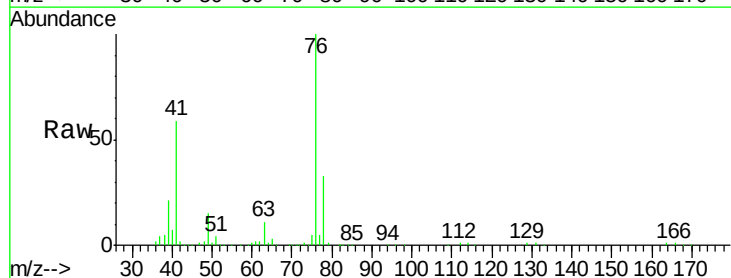
RT: 9.37 min Scan# 1441

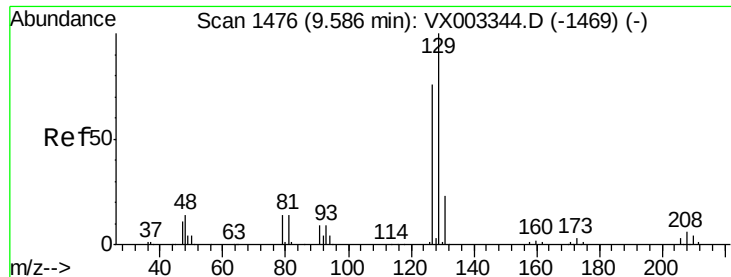
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	76	Resp:	123830
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





#53

Dibromochloromethane

Concen: 19.22 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion:129 Resp: 73793

Ion Ratio Lower Upper

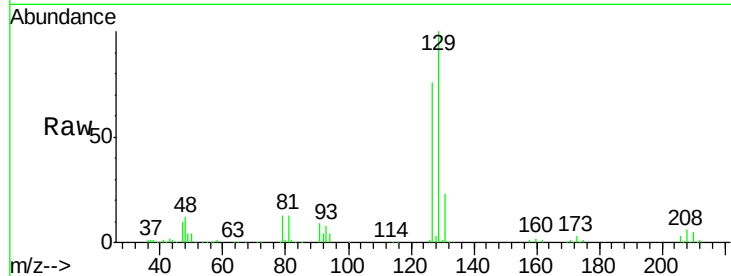
129 100

127 76.5 38.5 115.3

Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

60000

50000

40000

30000

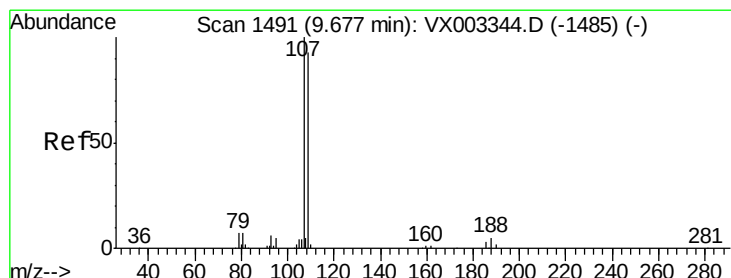
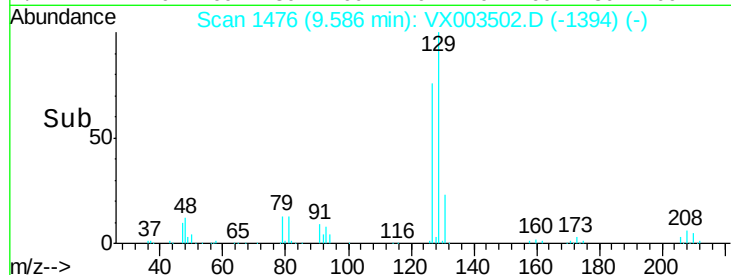
20000

10000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 19.76 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003502.D

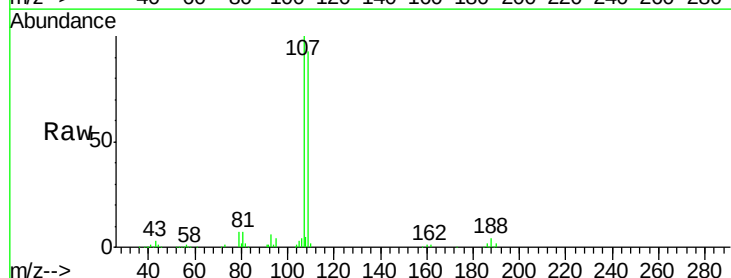
Acq: 20 Jul 2018 11:52

Tgt Ion:107 Resp: 78756

Ion Ratio Lower Upper

107 100

109 93.3 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.68

60000

50000

40000

30000

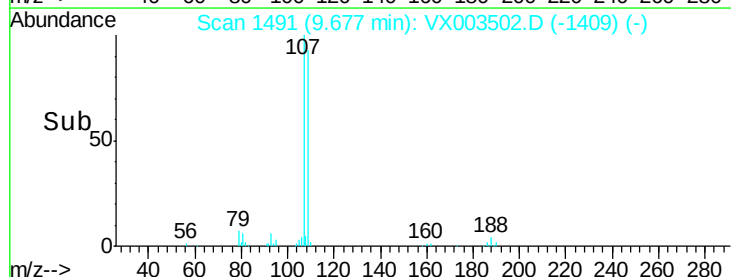
20000

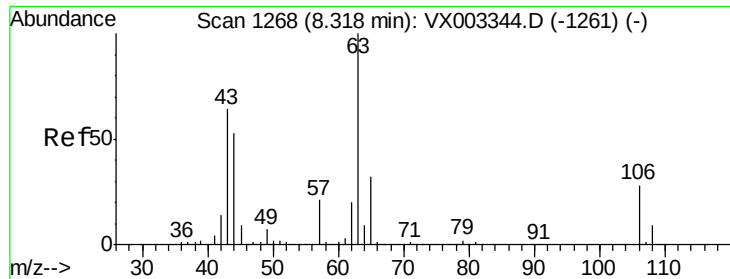
10000

0

9.60 9.65 9.70 9.75

Time-->





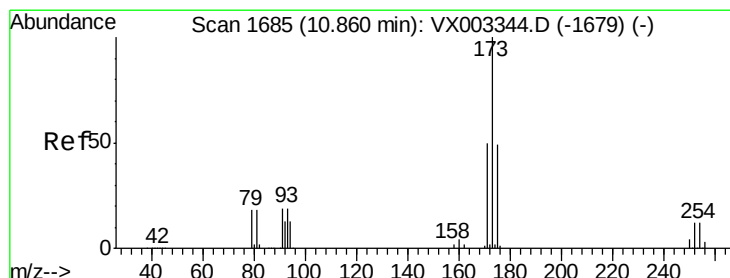
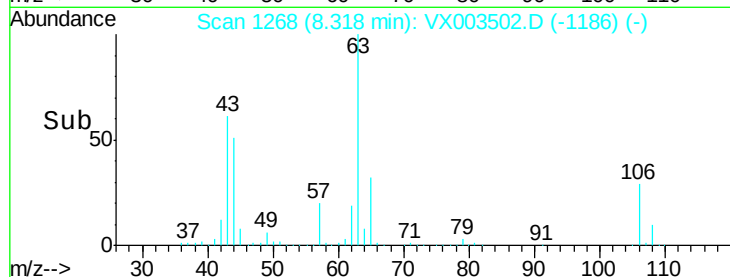
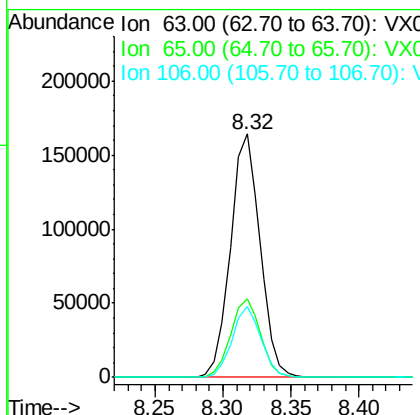
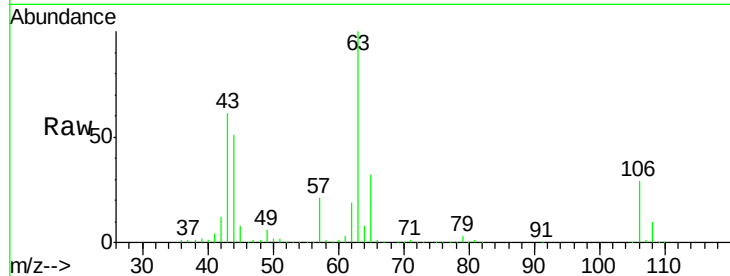
#55
2-Chloroethyl vinyl ether
Concen: 94.00 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.6	38.4
106	28.5	21.6	32.4

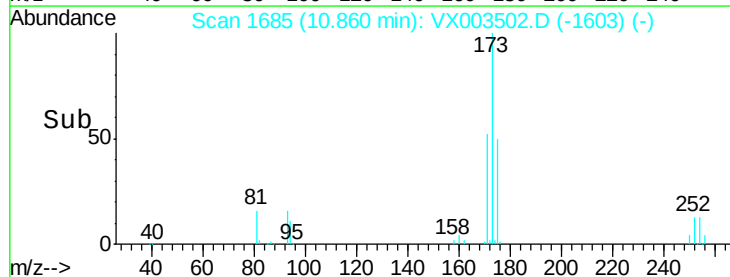
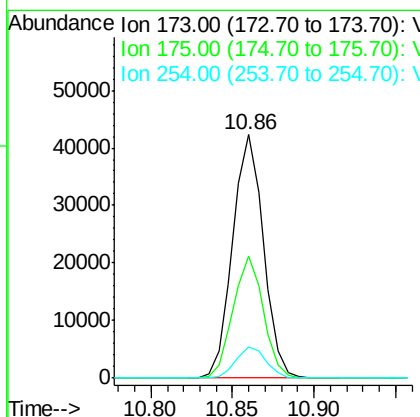
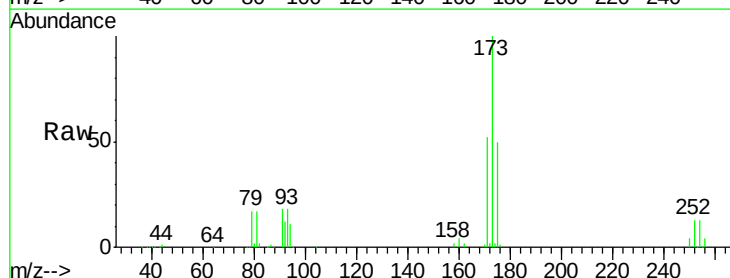
Manual Integrations
APPROVED

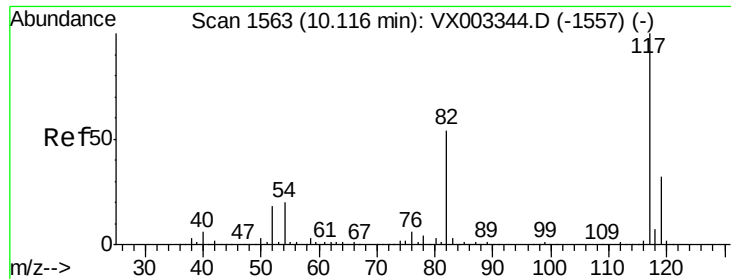
MMDadoda
7/23/2018 12:34:45 PM



#56
Bromoform
Concen: 18.95 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	12.7	9.6	14.4





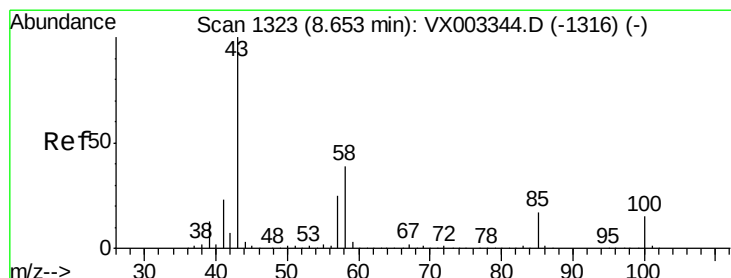
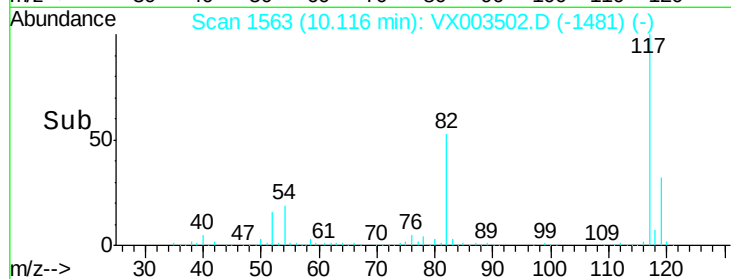
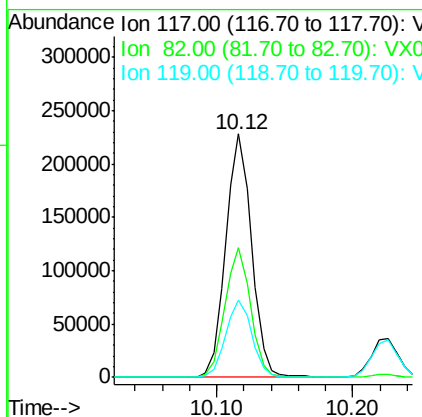
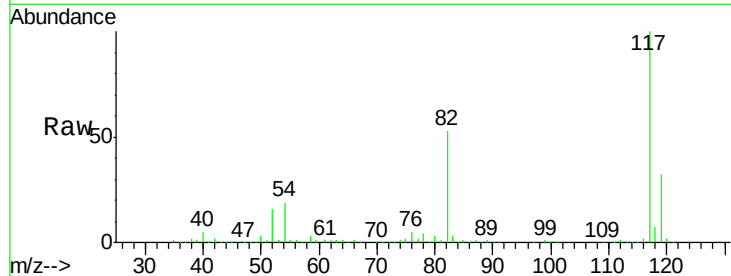
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.3	66.5
119	32.3	25.7	38.5

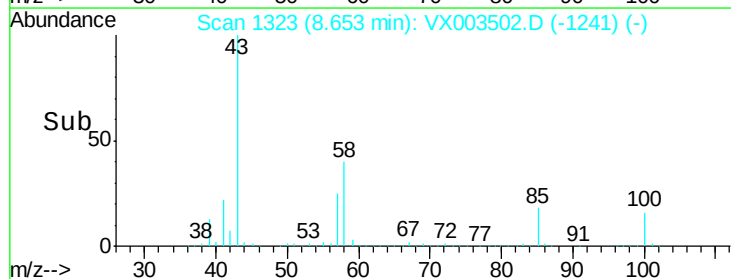
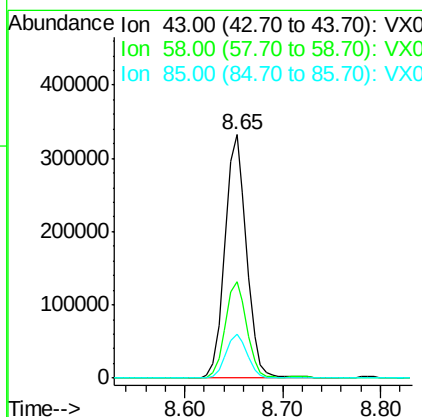
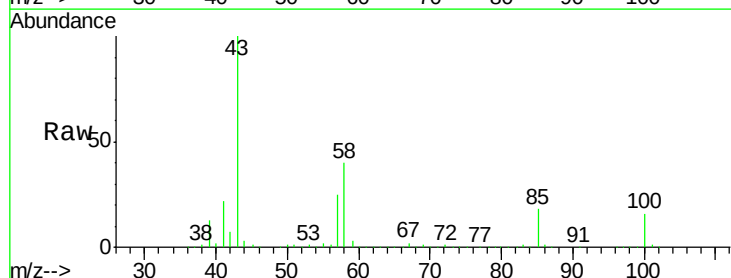
Manual Integrations
APPROVED

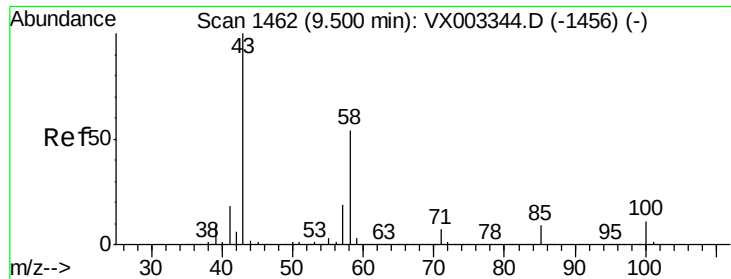
MMDadoda
7/23/2018 12:34:45 PM



#58
4-Methyl-2-Pentanone
Concen: 94.73 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	28.2	42.4
85	18.1	12.4	18.6





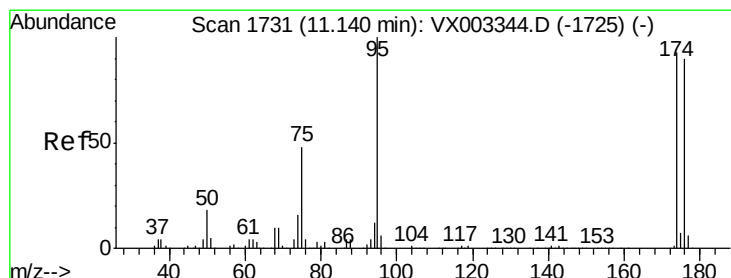
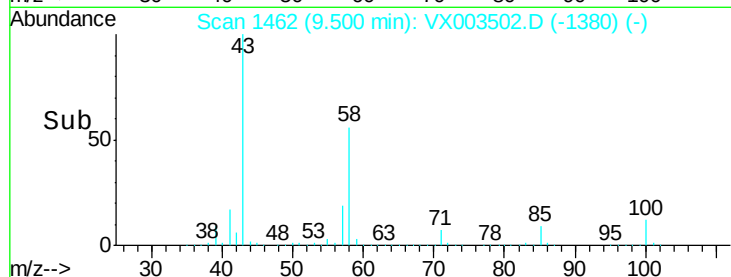
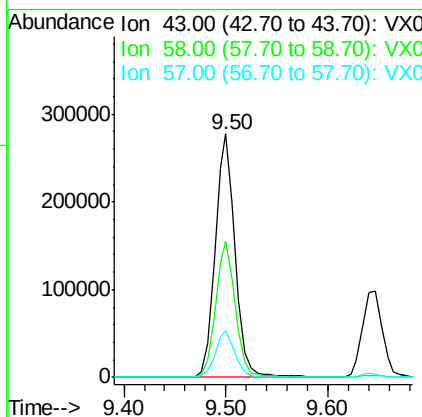
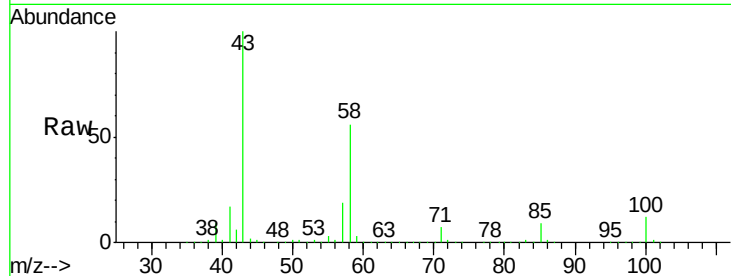
#59
2-Hexanone
Concen: 92.24 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	39.6	59.4
57	19.0	14.1	21.1

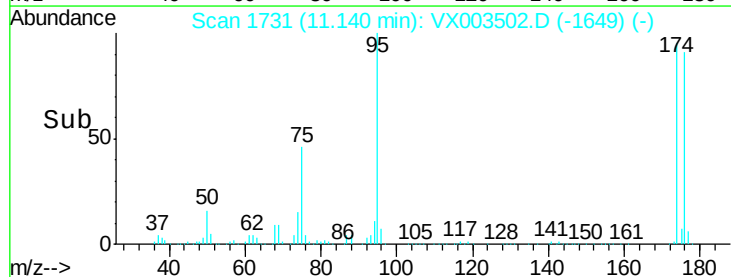
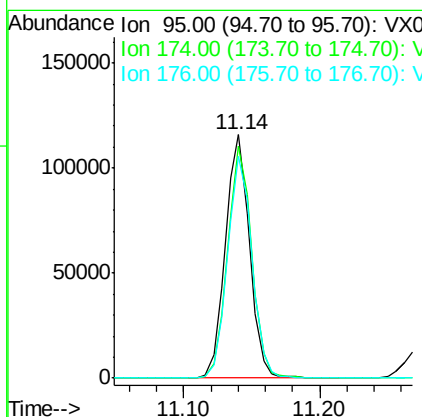
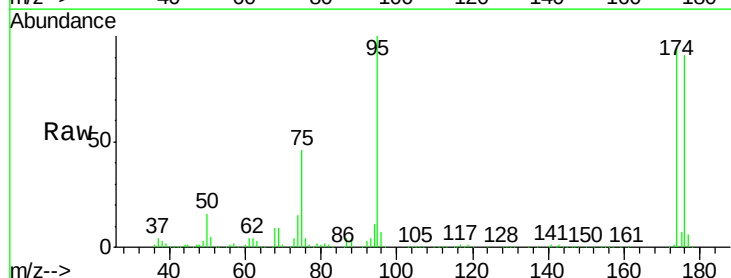
Manual Integrations
APPROVED

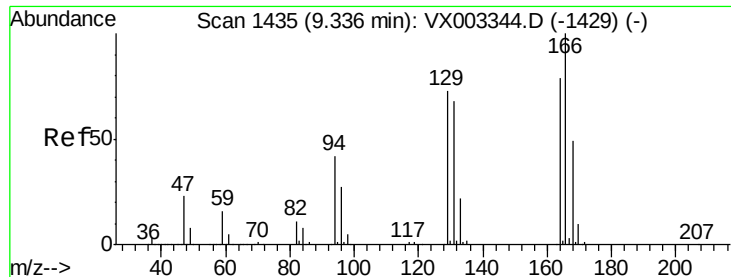
MMDadoda
7/23/2018 12:34:45 PM



#60
4-Bromofluorobenzene
Concen: 29.36 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	71.8	107.6
176	92.5	70.1	105.1





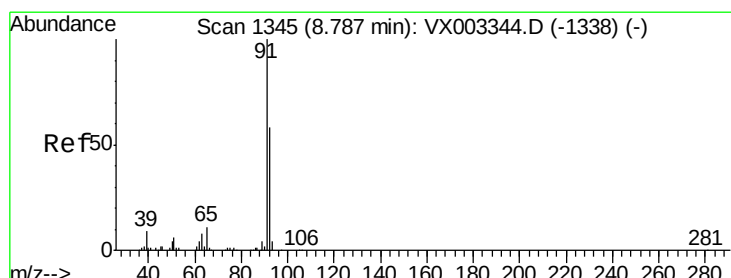
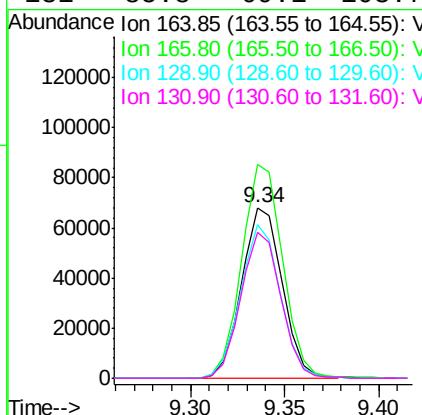
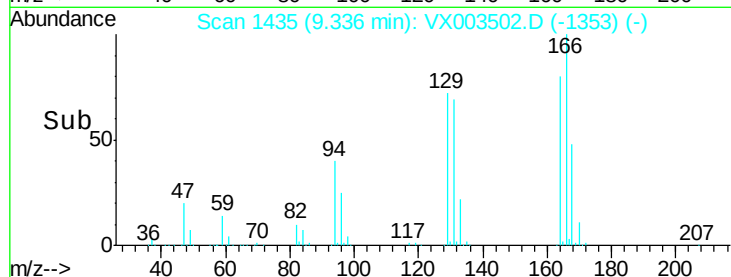
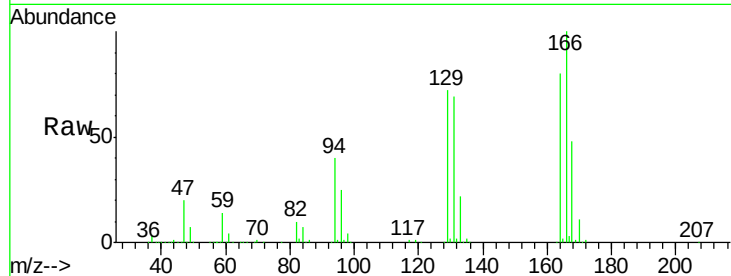
#61
Tetrachloroethene
 Concen: 22.00 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	164	Resp	101593
Ion Ratio	Lower	Upper	
164	100		
166	125.1	102.4	153.6
129	90.2	70.1	105.1
131	85.8	69.1	103.7

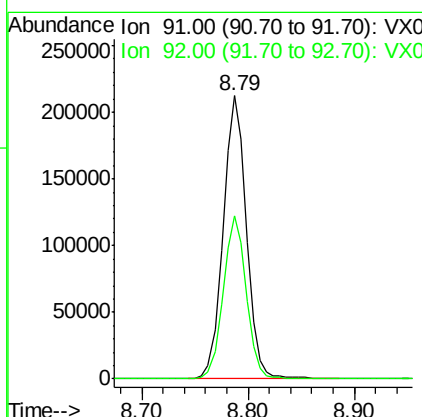
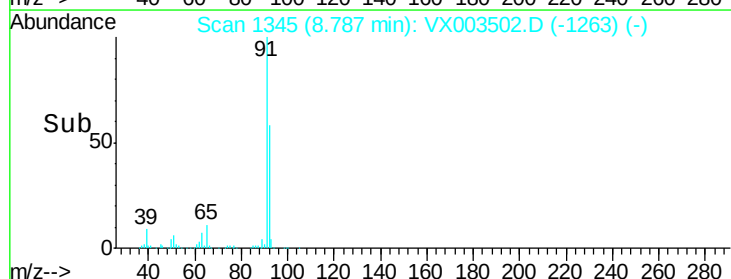
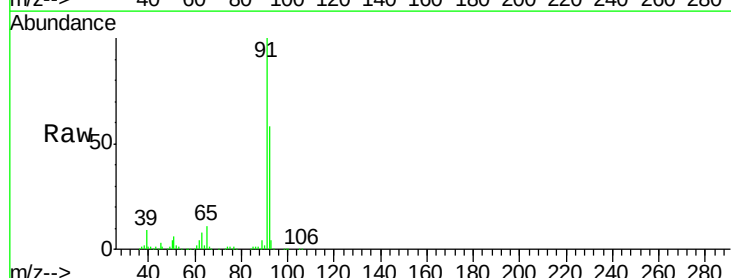
Manual Integrations
 APPROVED

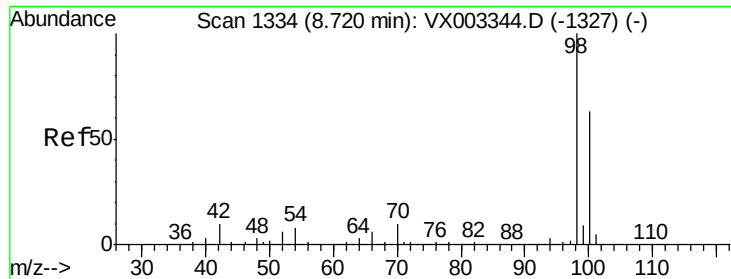
MMDadoda
 7/23/2018 12:34:45 PM



#62
Toluene
 Concen: 19.65 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	91	Resp	323458
Ion Ratio	Lower	Upper	
91	100		
92	57.3	46.5	69.7





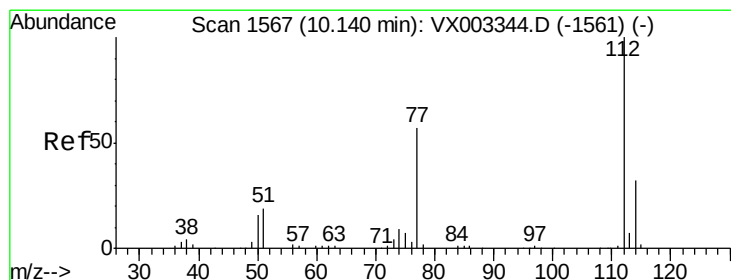
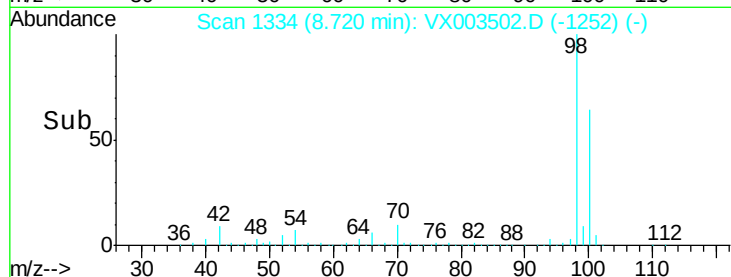
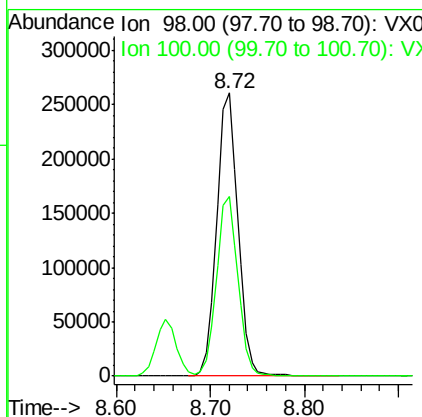
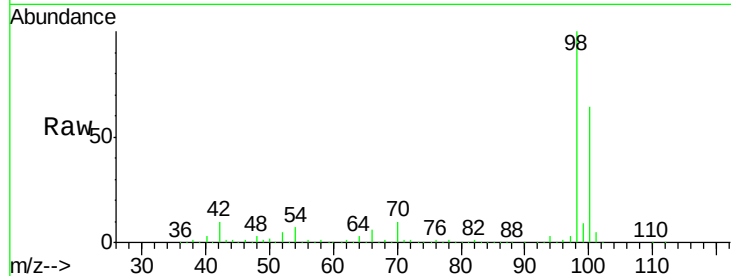
#63
Toluene-d8
Concen: 30.76 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion: 98 Resp: 410295
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2

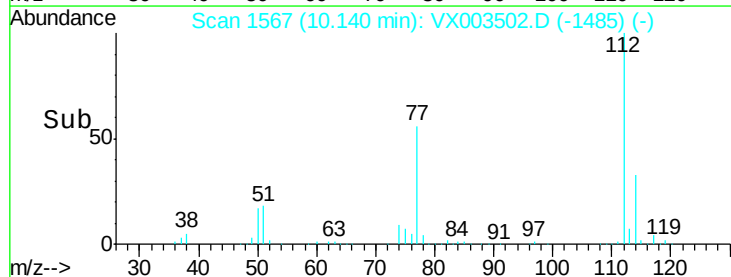
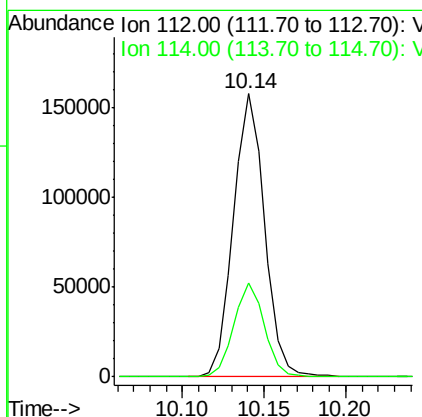
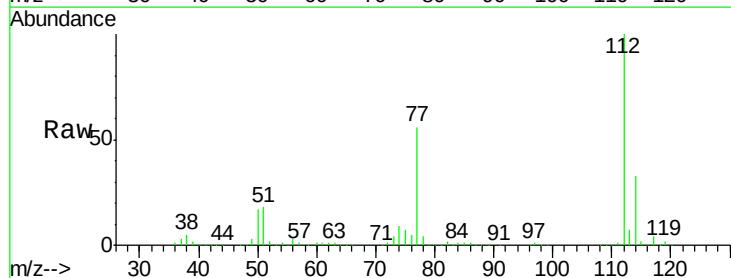
Manual Integrations
APPROVED

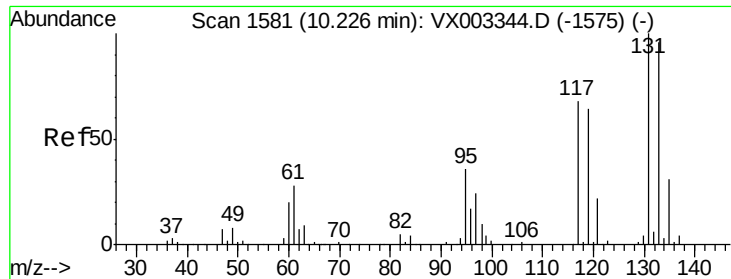
MMDadoda
7/23/2018 12:34:45 PM



#64
Chlorobenzene
Concen: 19.27 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion: 112 Resp: 210030
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4





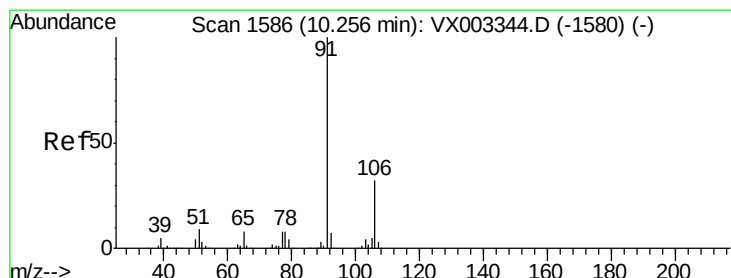
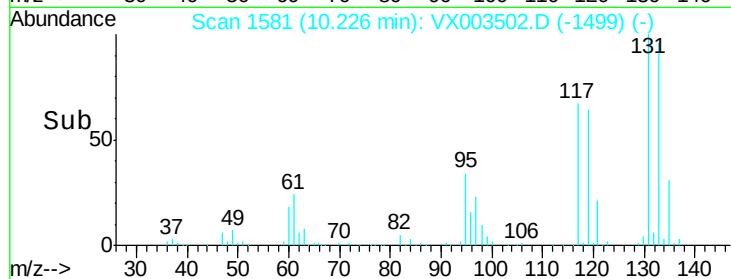
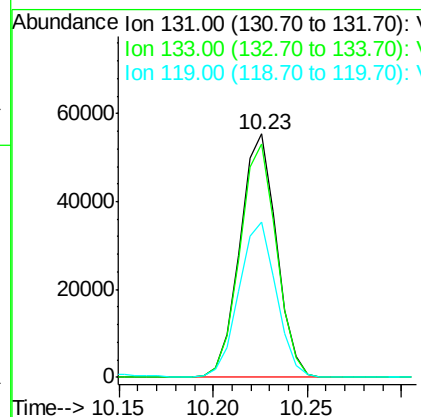
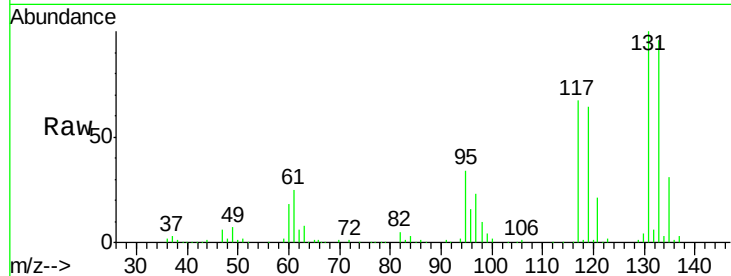
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.30 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	0.0	191.2
119	64.8	0.0	125.4

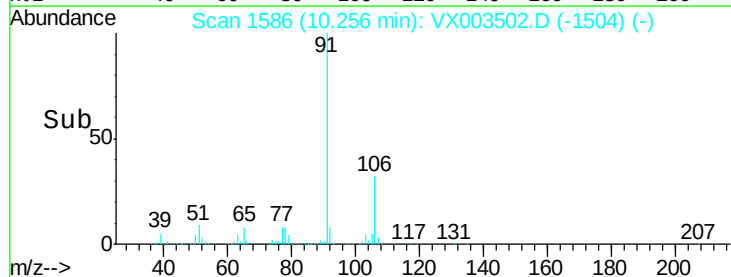
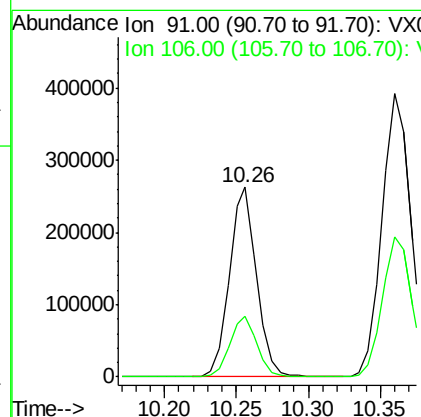
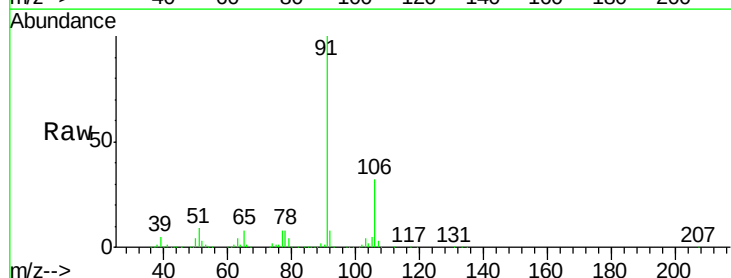
Manual Integrations
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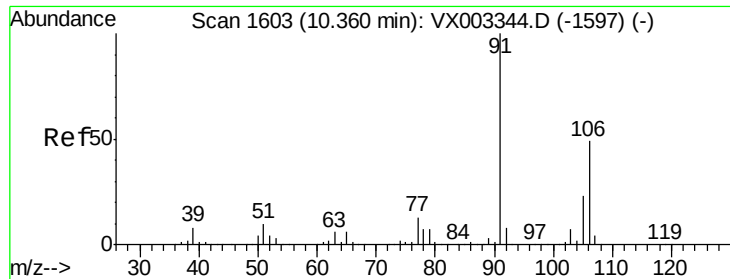
MMDadoda
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#66
 Ethyl Benzene
 Concen: 19.15 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.2	37.8





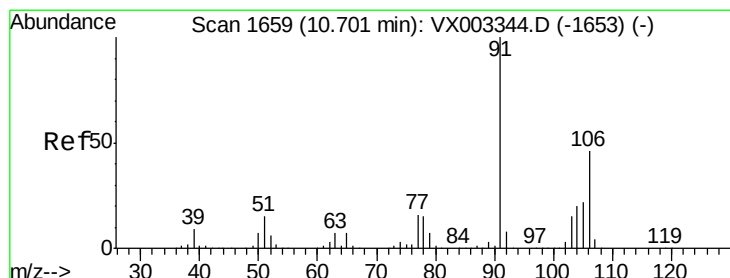
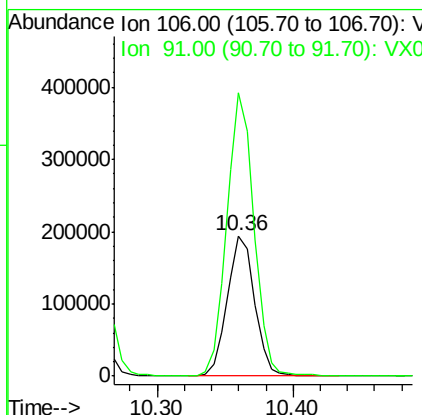
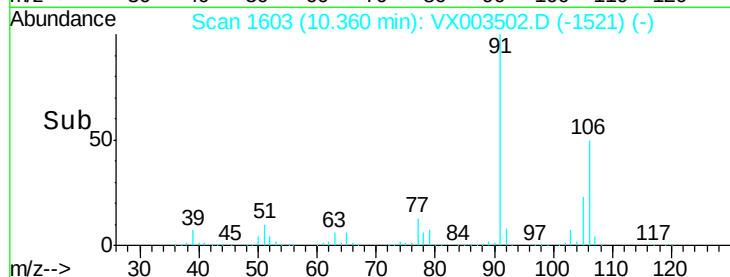
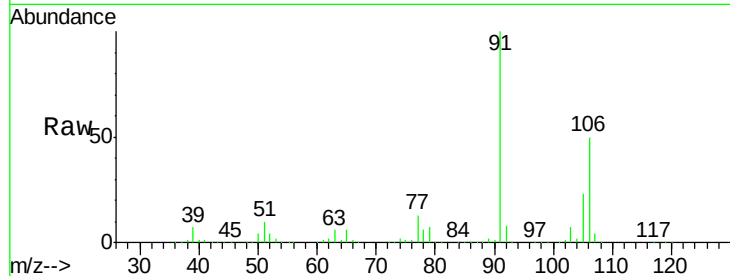
#67
m/p-Xylenes
Concen: 38.27 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion:106 Resp: 270826
Ion Ratio Lower Upper
106 100
91 200.1 164.1 246.1

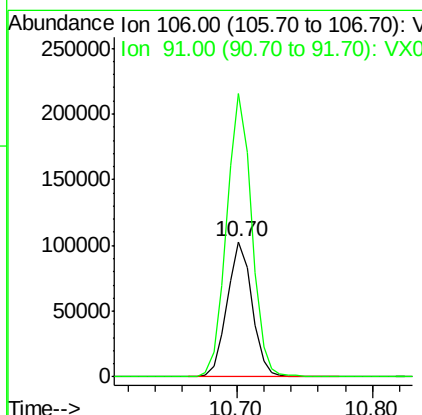
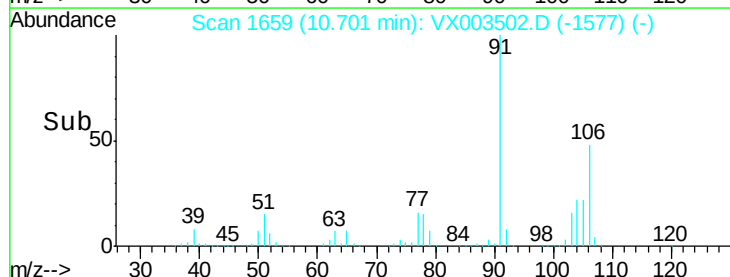
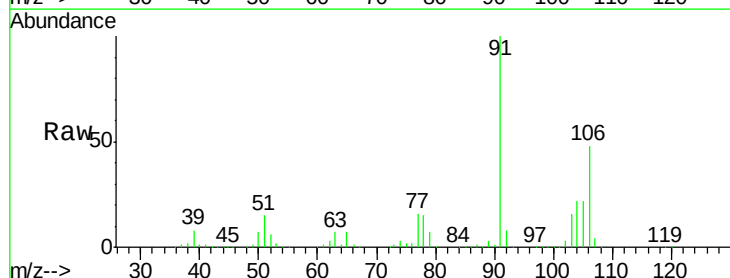
Manual Integrations
APPROVED

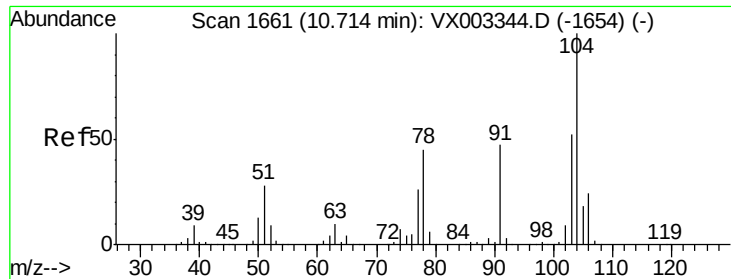
MMDadoda
7/23/2018 12:34:45 PM



#68
o-Xylene
Concen: 19.27 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion:106 Resp: 131219
Ion Ratio Lower Upper
106 100
91 210.1 109.1 327.3





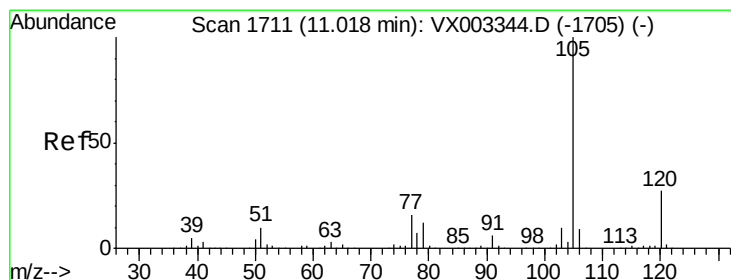
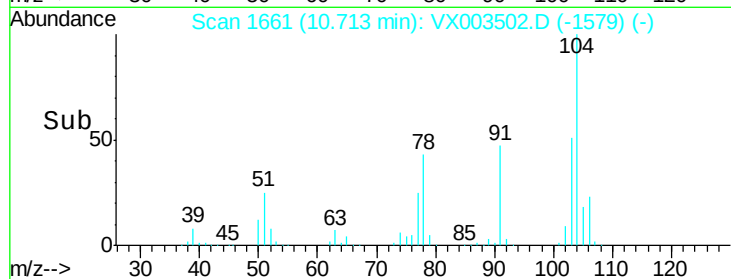
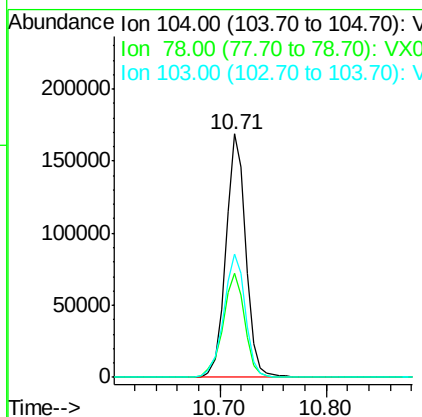
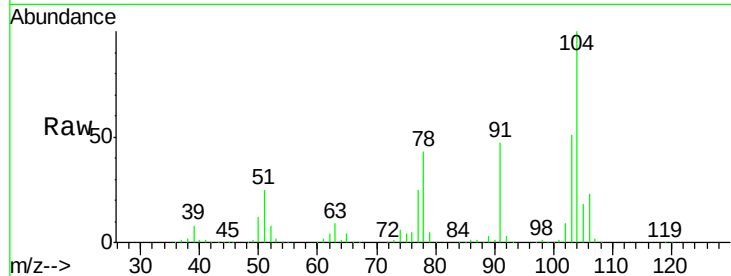
#69
Stvrene
Concen: 19.53 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.9	41.8	62.8
103	55.1	44.9	67.3

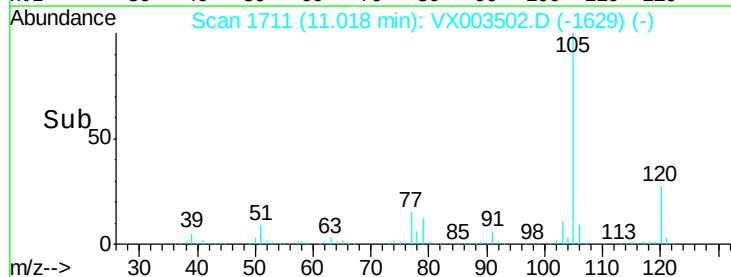
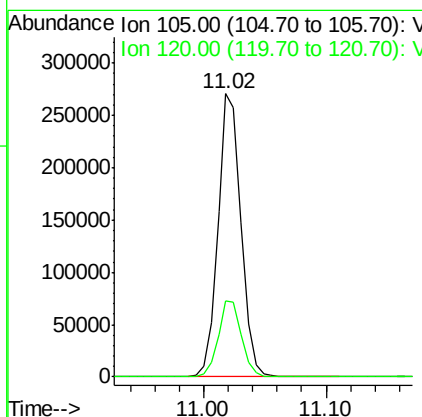
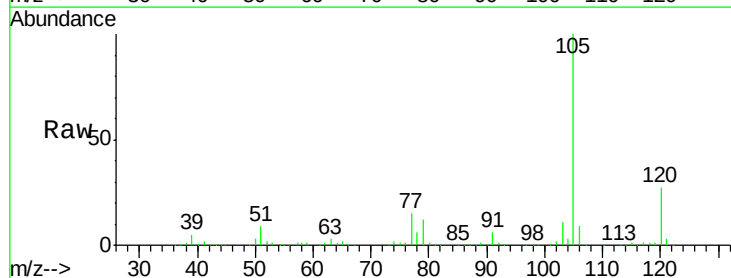
Manual Integrations
APPROVED

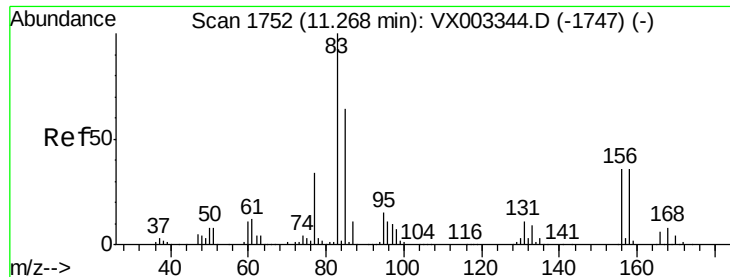
MMDadoda
7/23/2018 12:34:45 PM



#70
Isopropylbenzene
Concen: 19.61 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 18.83 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

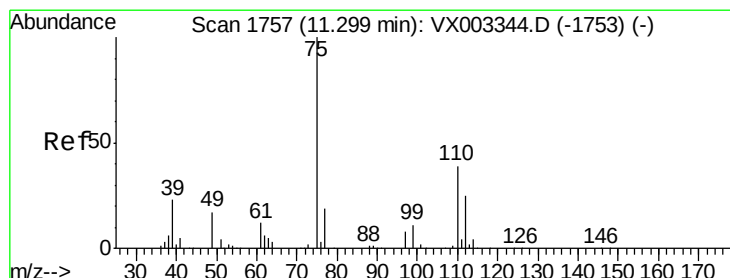
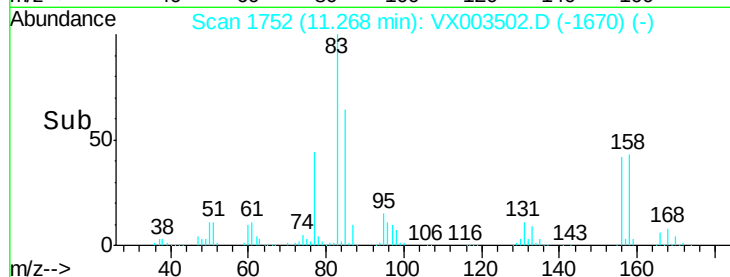
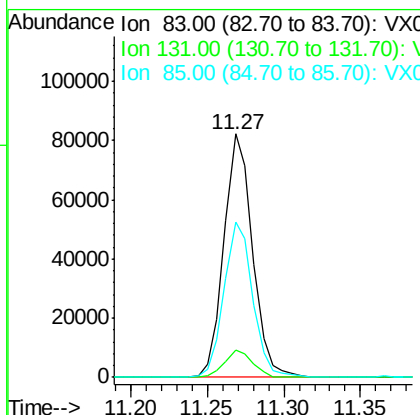
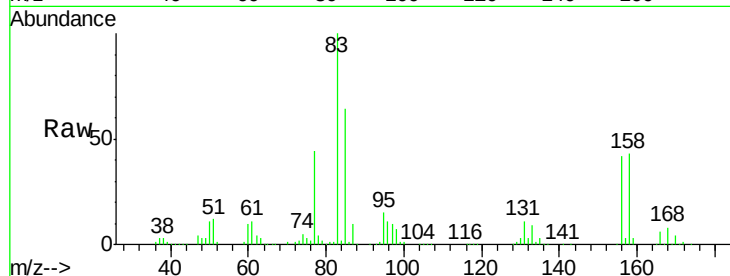
ClientSampleId :

VX0720WBSD01

Tot Ion:	83	Resp:	106640
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.2	32.4	97.2

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 14.37 ug/l m

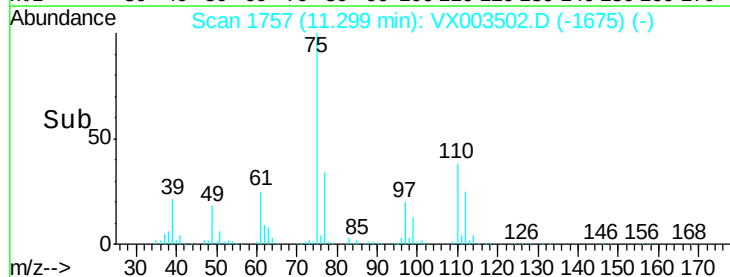
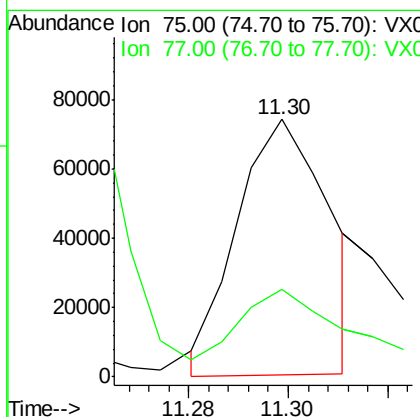
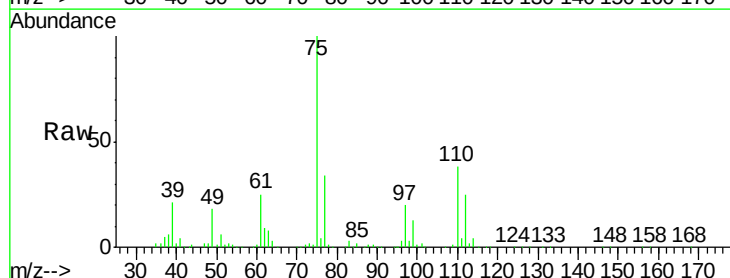
RT: 11.30 min Scan# 1757

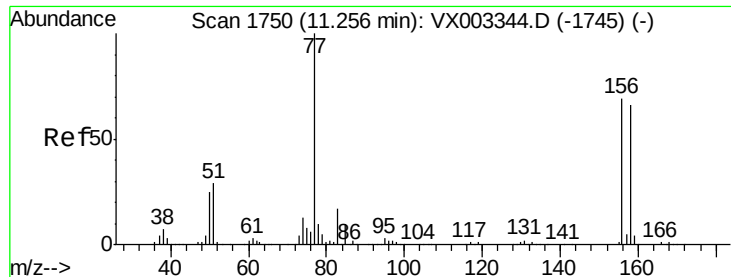
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	75	Resp:	95159
Ion Ratio	Lower	Upper	
75	100		
77	43.2	0.0	71.8





#73

Bromobenzene

Concen: 19.53 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

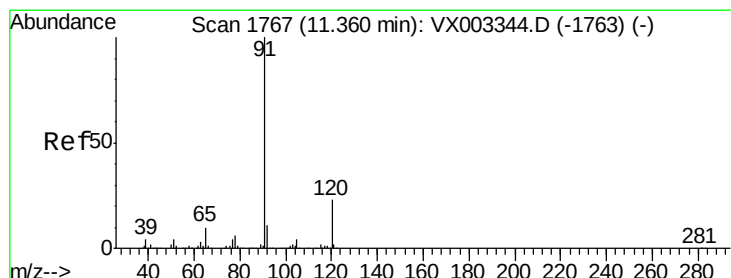
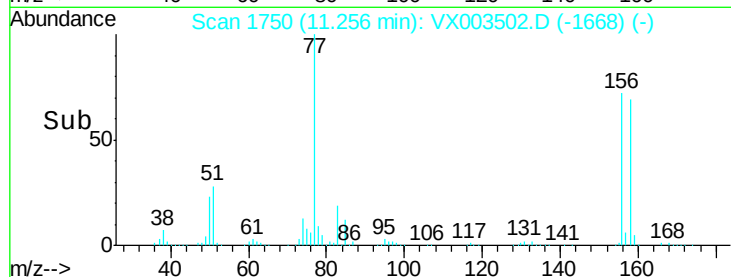
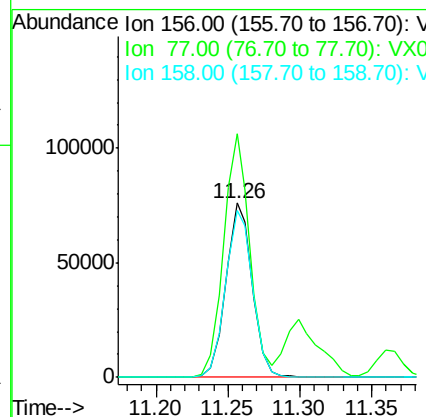
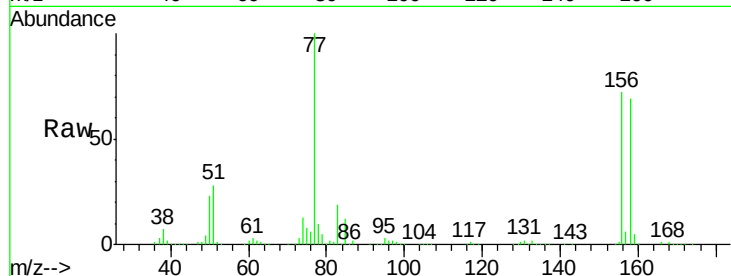
ClientSampleId :

VX0720WBSD01

Tot Ion:	156	Resp:	98034
Ion Ratio	Lower	Upper	
156	100		
77	138.0	0.0	301.0
158	98.8	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.08 ug/l

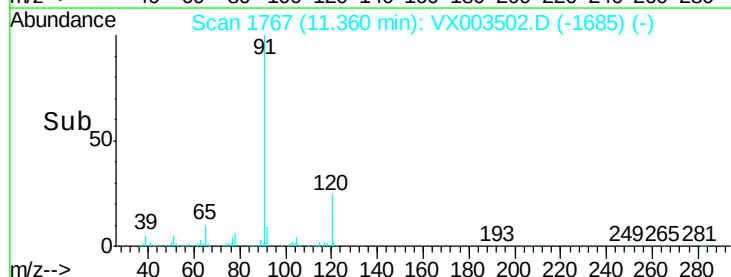
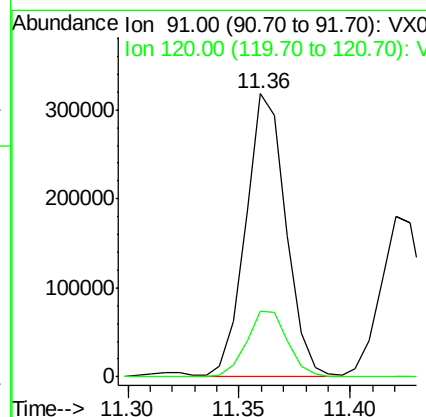
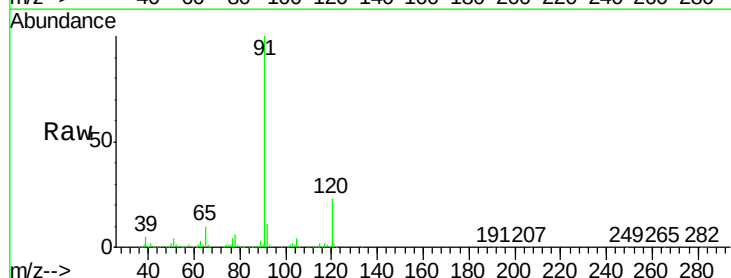
RT: 11.36 min Scan# 1767

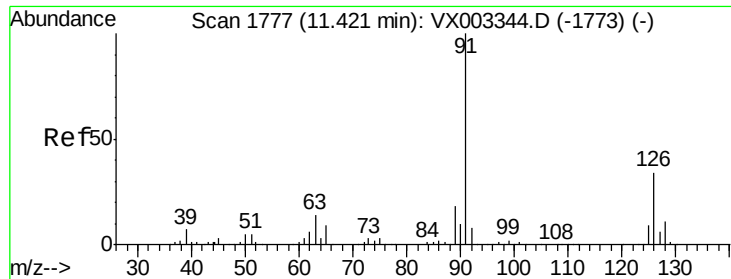
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	91	Resp:	401243
Ion Ratio	Lower	Upper	
91	100		
120	23.8	0.0	46.2





#75

2-Chlorotoluene

Concen: 19.07 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBSD01

Tot Ion: 91 Resp: 239851

Ion Ratio Lower Upper

91 100

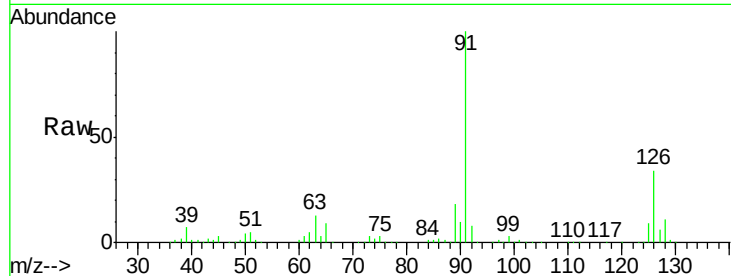
126 35.4 0.0 69.4

Manual Integrations

APPROVED

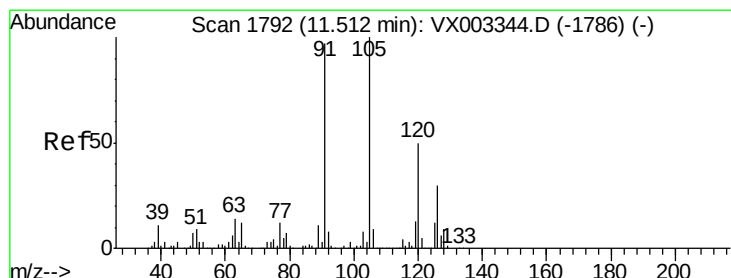
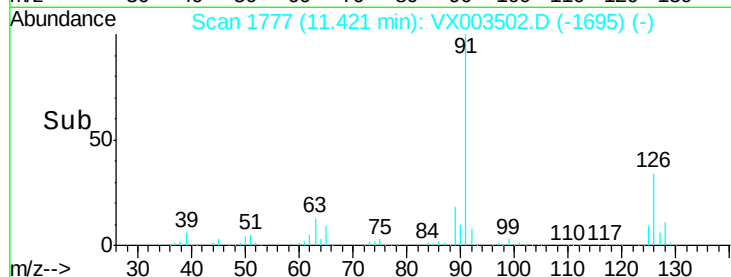
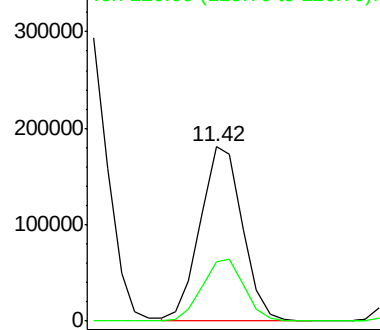
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.31 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003502.D

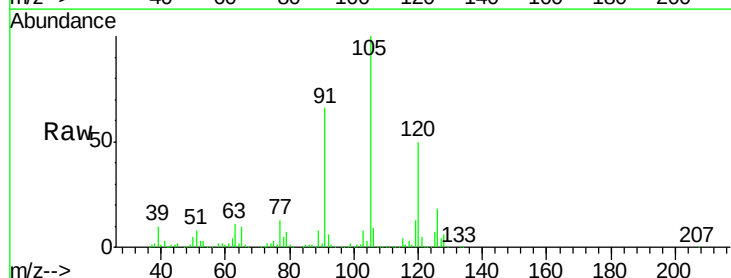
Acq: 20 Jul 2018 11:52

Tgt Ion: 105 Resp: 295059

Ion Ratio Lower Upper

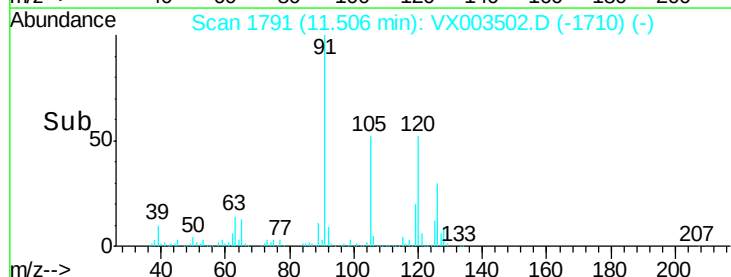
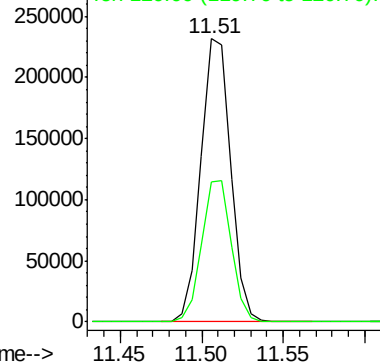
105 100

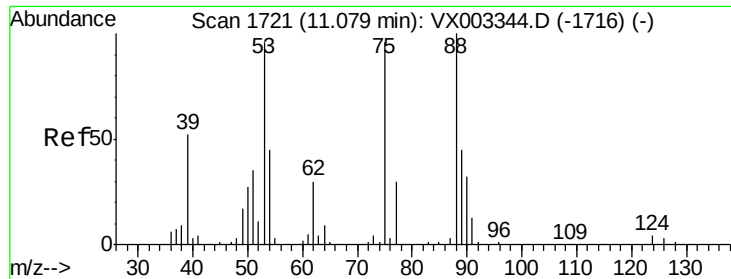
120 49.7 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





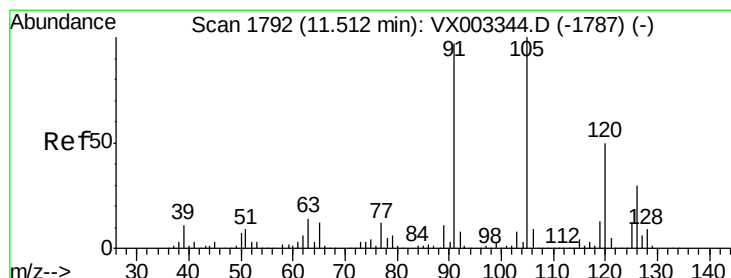
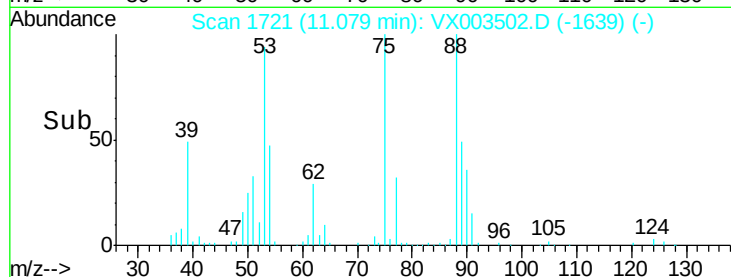
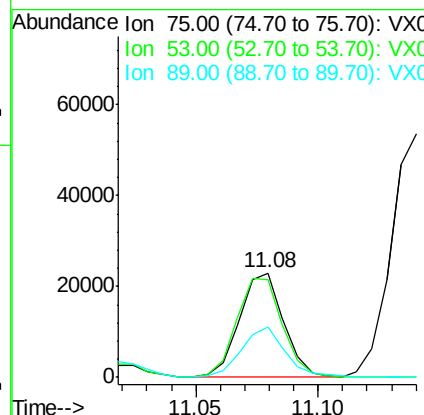
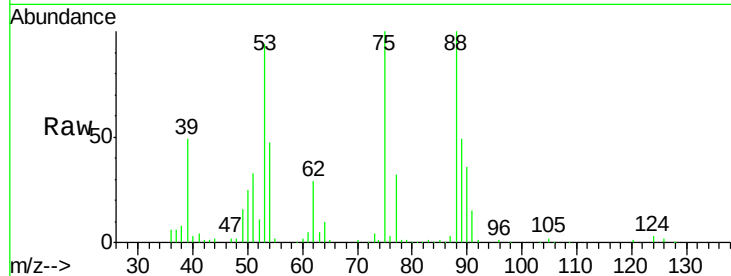
#77
t-1,4-Dichloro-2-butene
Concen: 18.14 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	48.3	144.9
89	48.5	21.8	65.4

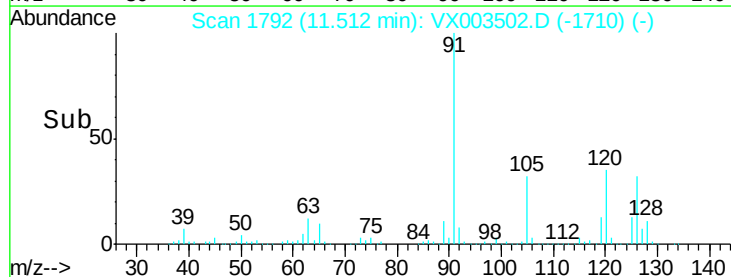
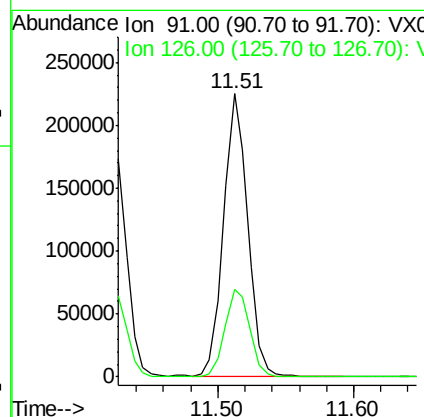
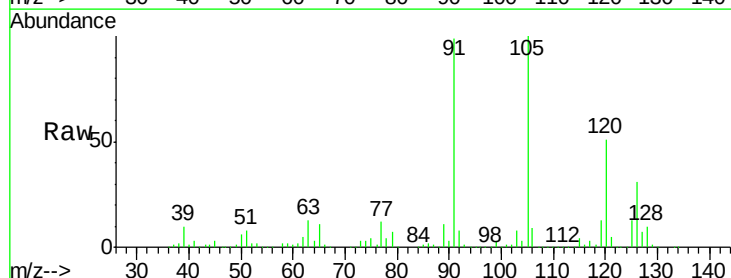
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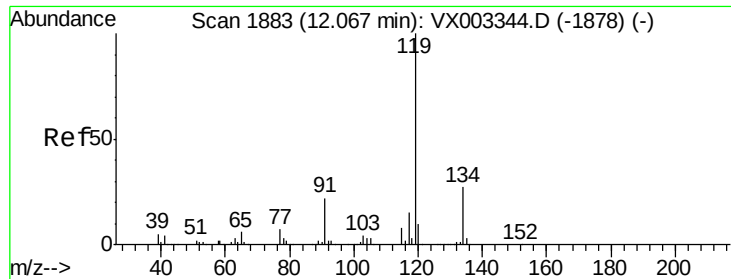
MMDadoda
7/23/2018 12:34:45 PM



#78
4-Chlorotoluene
Concen: 18.87 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	61.0





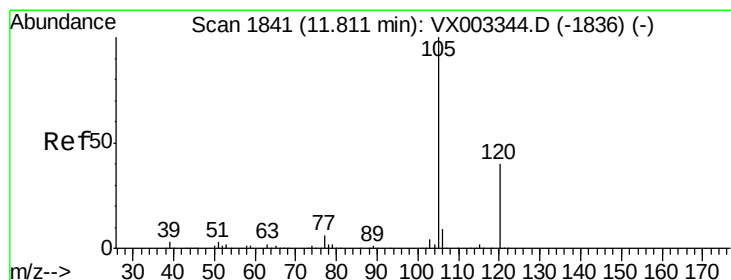
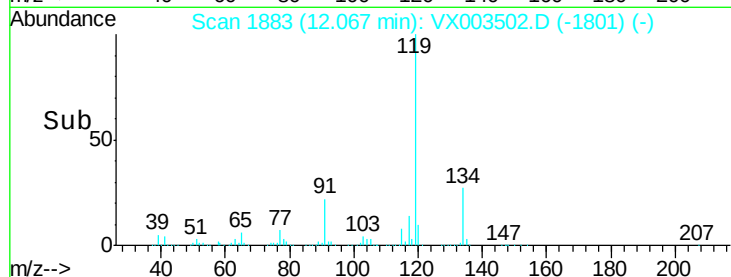
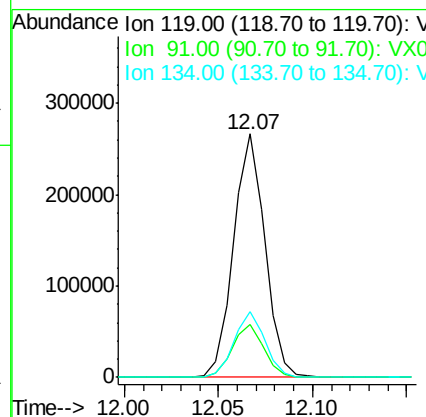
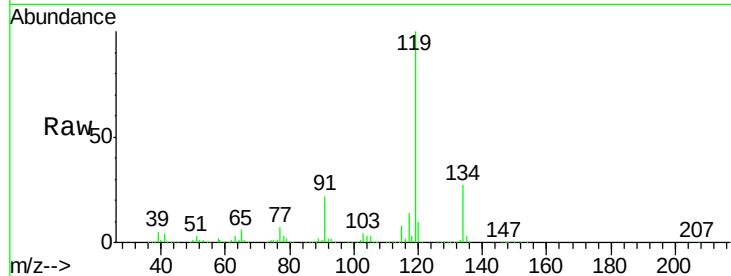
#79
tert-butylbenzene
Concen: 18.98 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	307076		
91	21.9		0.0	48.0
134	26.8		0.0	52.6

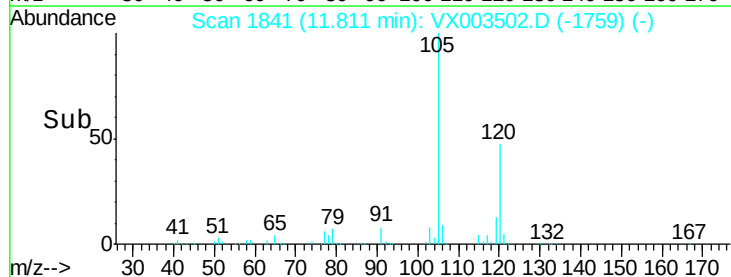
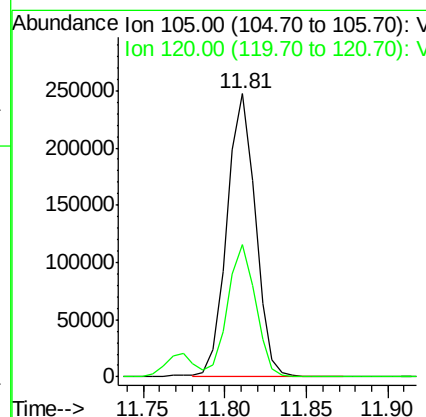
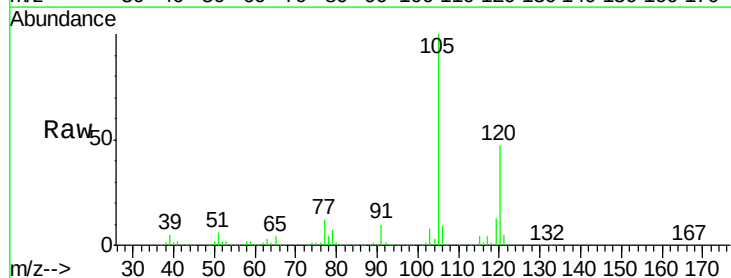
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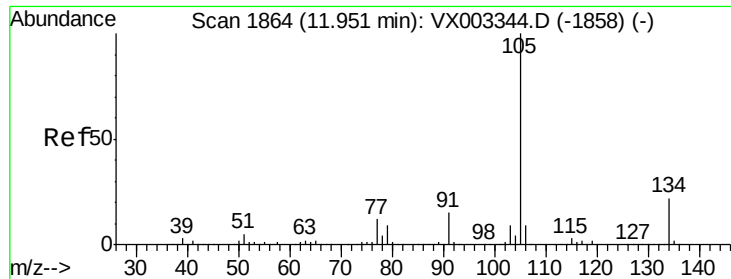
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.38 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	300890		
120	45.9		0.0	89.2





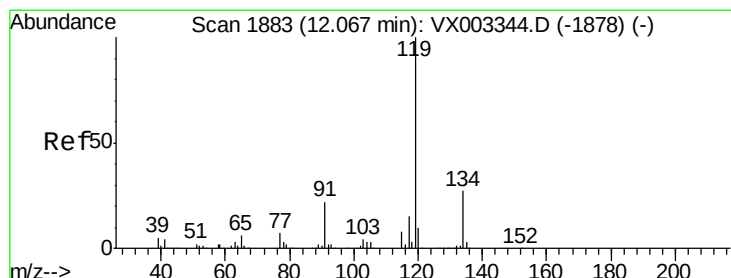
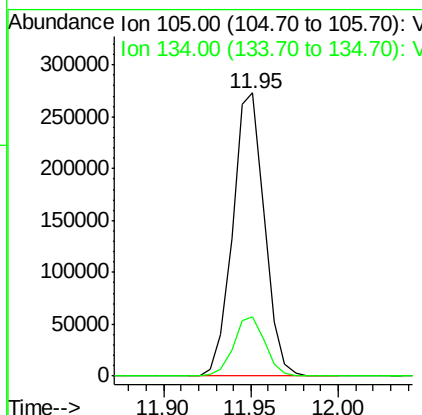
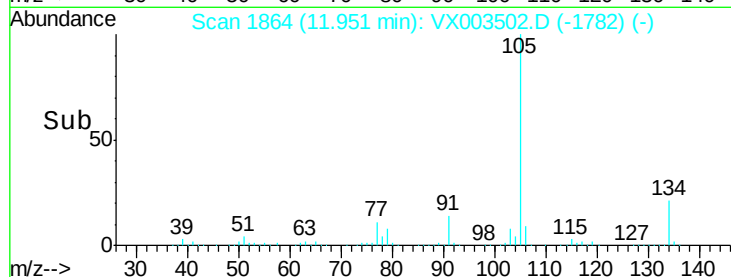
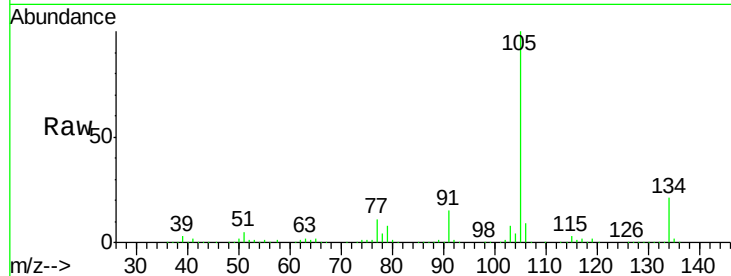
#81
 sec-Butylbenzene
 Concen: 19.02 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion:105 Resp: 343818
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.6

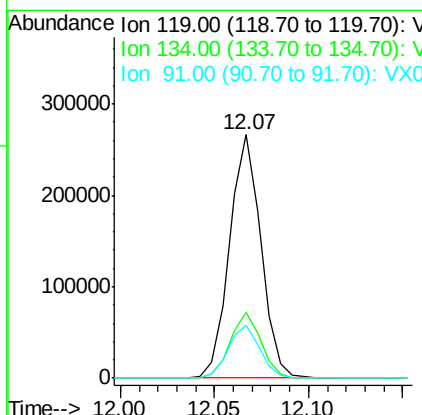
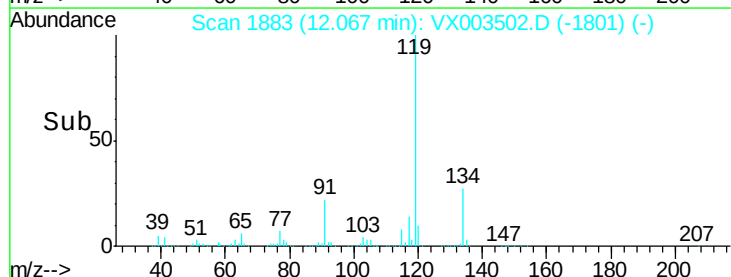
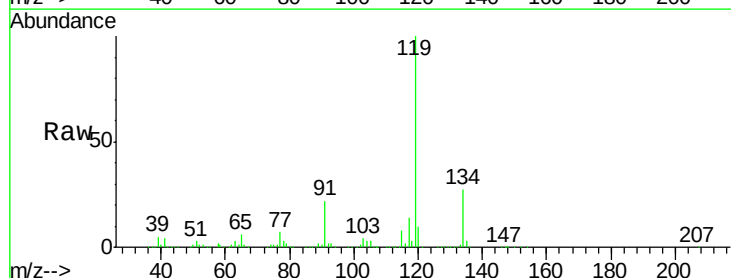
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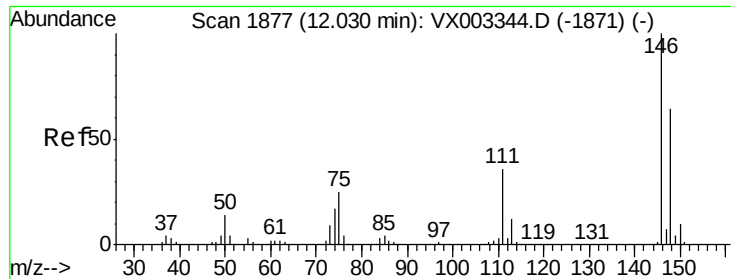
MMDadoda
 7/23/2018 12:34:45 PM



#82
 p-Isopropyltoluene
 Concen: 18.98 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion:119 Resp: 307076
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.6
 91 21.9 0.0 48.0





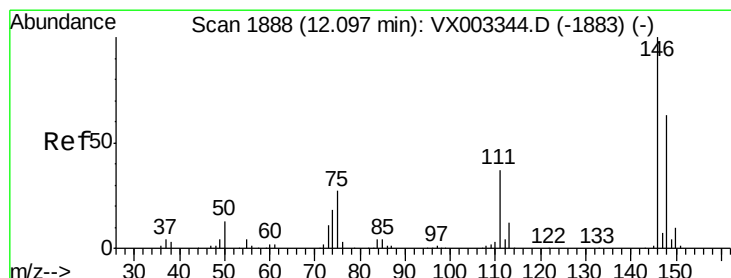
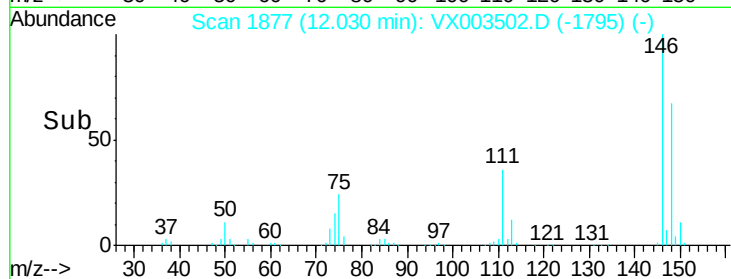
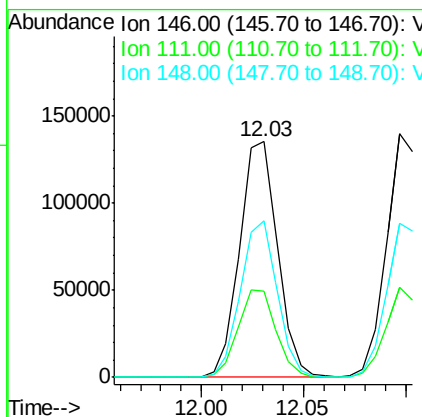
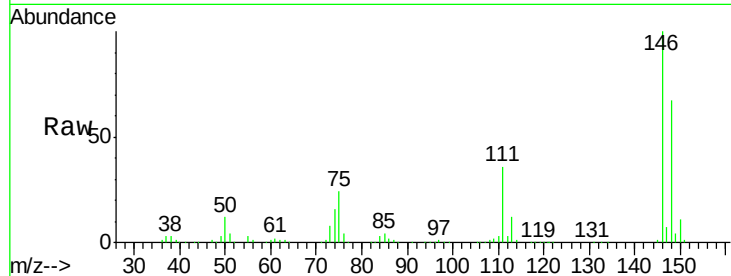
#83
 1,3-Dichlorobenzene
 Concen: 18.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.5
148	64.9	31.9	95.7

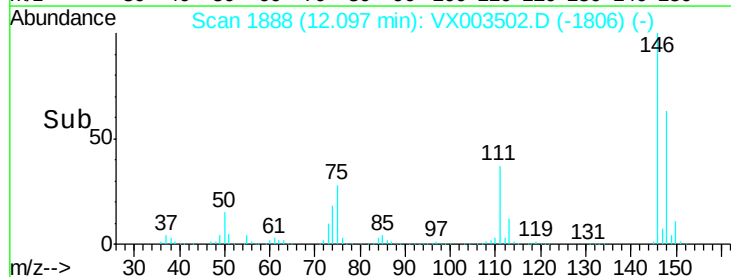
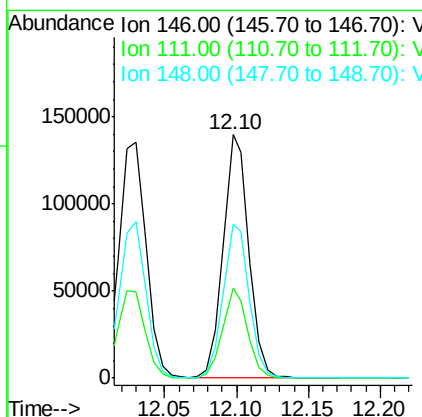
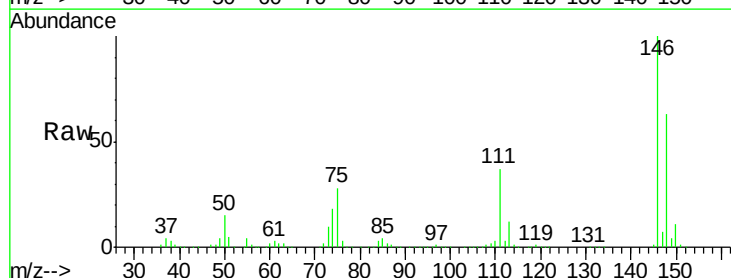
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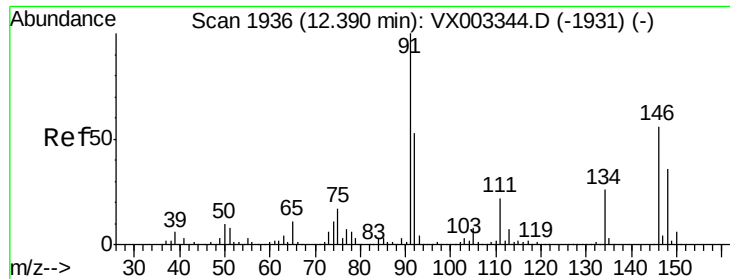
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#84
 1,4-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.5	55.5
148	64.5	32.0	96.0





#85

n-Butylbenzene

Concen: 17.88 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Instrument :

MSVOA_X

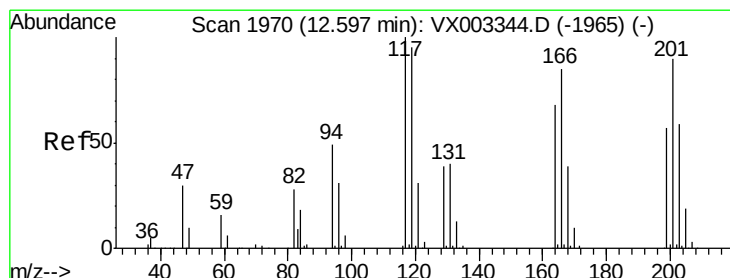
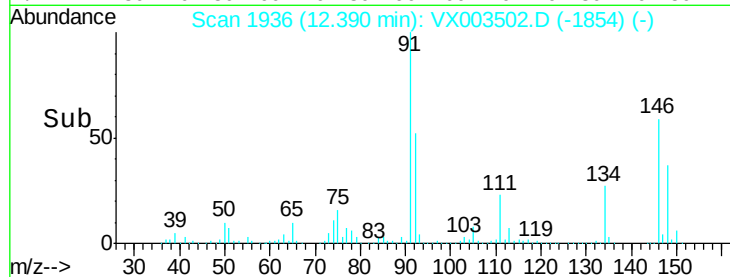
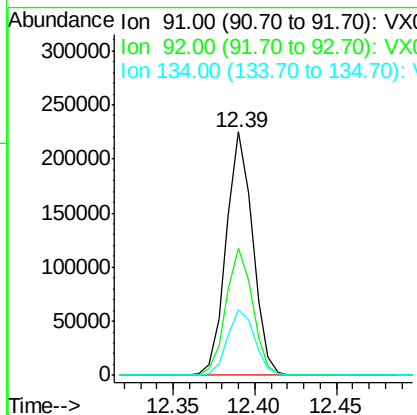
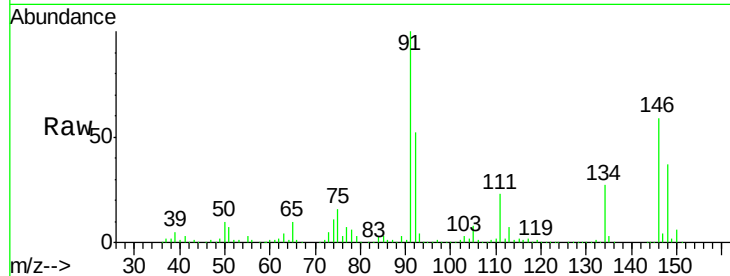
ClientSampleId :

VX0720WBSD01

Tot Ion:	91	Resp:	253951
Ion Ratio	Lower	Upper	
91	100		
92	52.7	0.0	105.2
134	27.8	0.0	53.2

Manual Integrations
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#86

Hexachloroethane

Concen: 16.71 ug/l

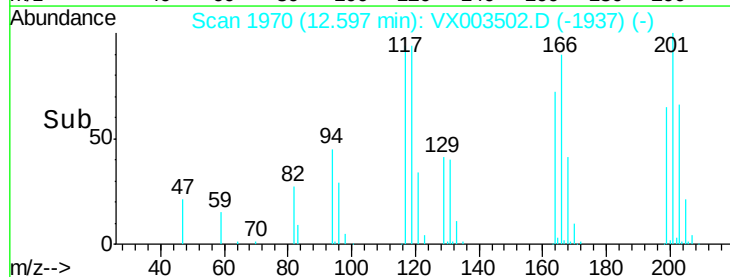
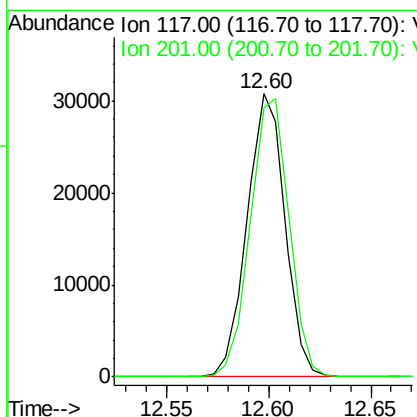
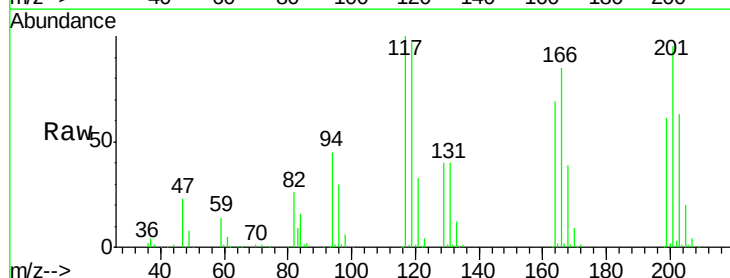
RT: 12.60 min Scan# 1970

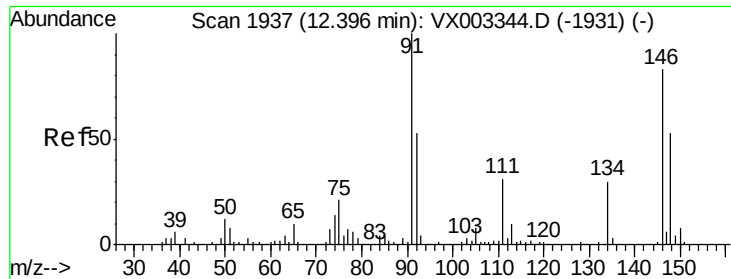
Delta R.T. -0.00 min

Lab File: VX003502.D

Acq: 20 Jul 2018 11:52

Tgt Ion:	117	Resp:	39803
Ion Ratio	Lower	Upper	
117	100		
201	100.7	47.6	142.8





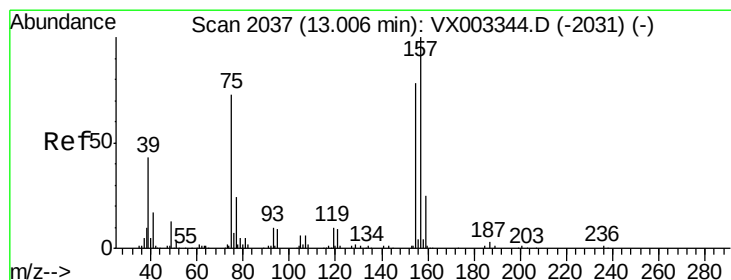
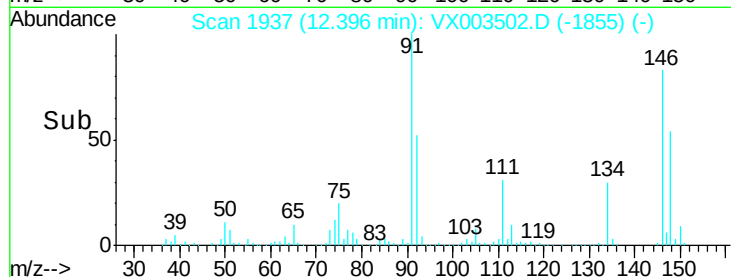
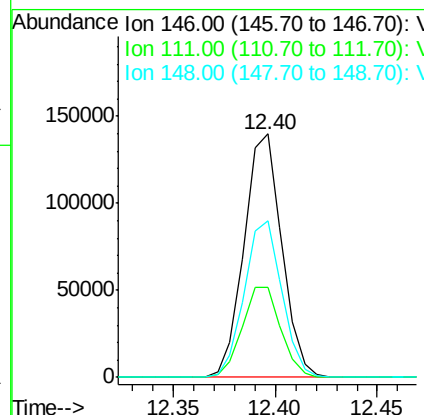
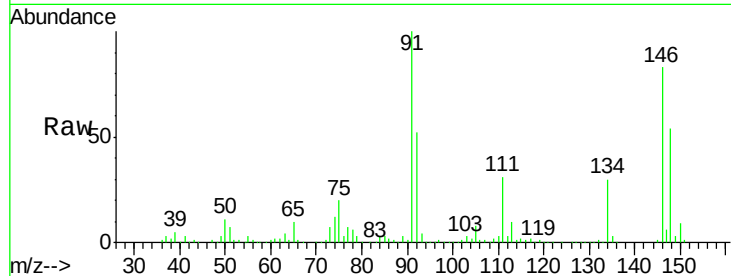
#87
 1,2-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		179721		
111	37.9	20.0	59.9		
148	64.0	32.8	98.3		

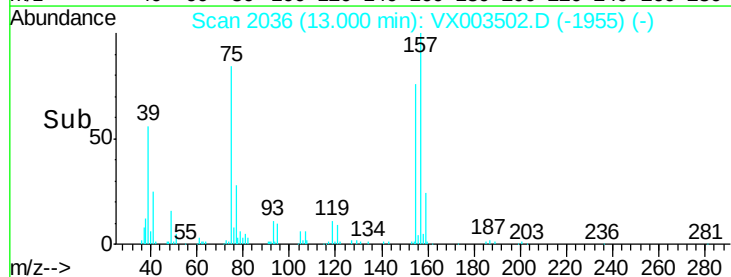
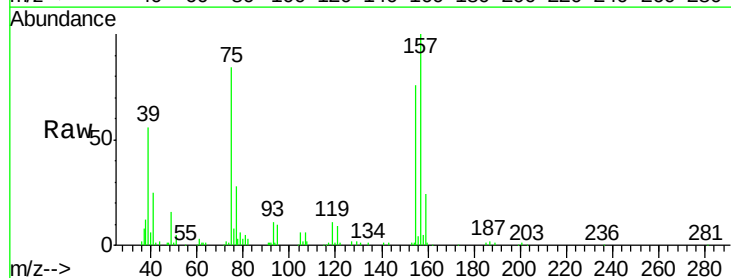
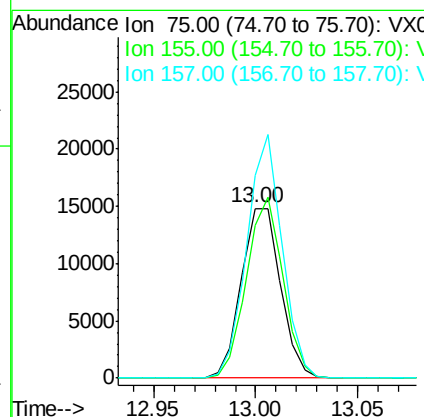
Manual Integrations
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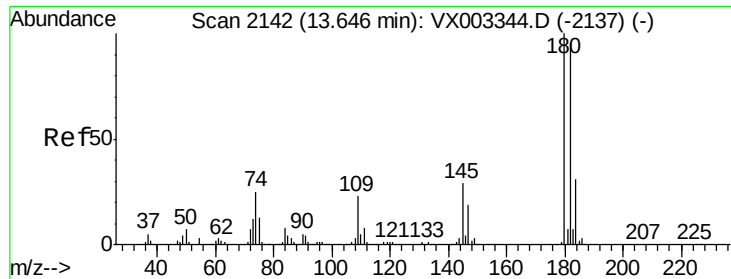
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.91 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		19889		
155	99.1	73.1	109.7		
157	128.5	93.1	139.7		





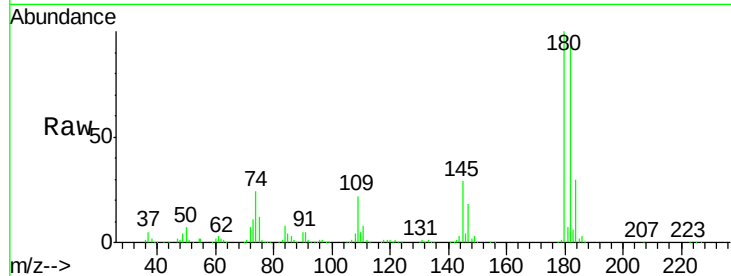
#89
 1,2,4-Trichlorobenzene
 Concen: 18.02 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBSD01

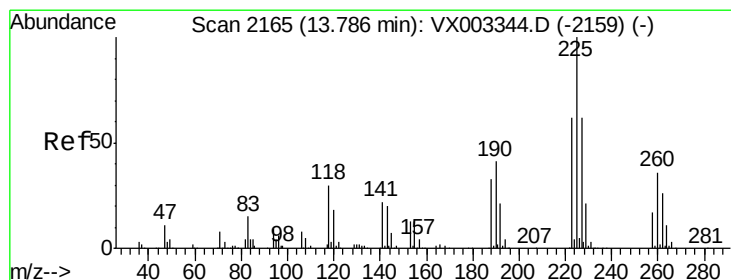
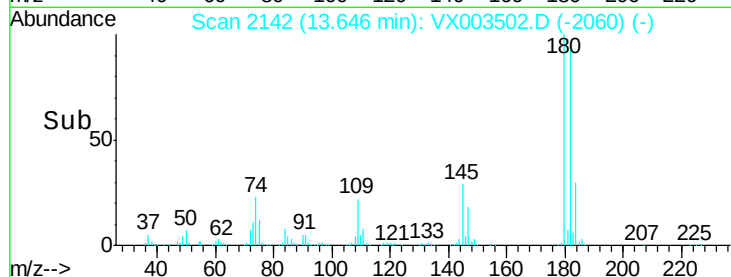
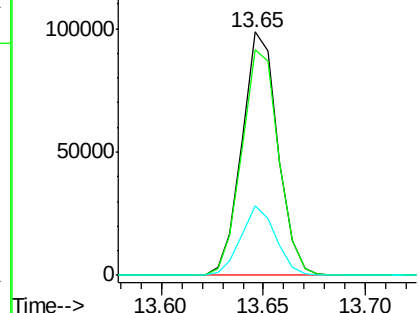
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	28.0	22.9	34.3

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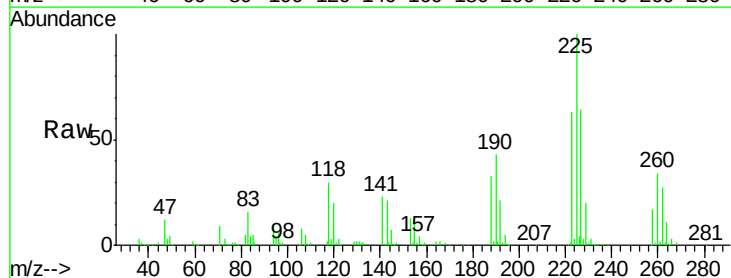


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

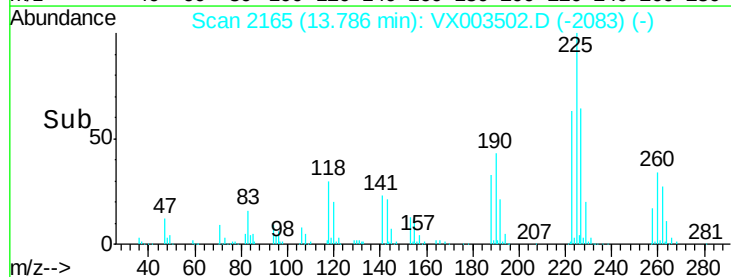
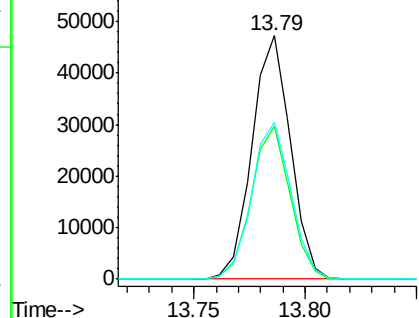


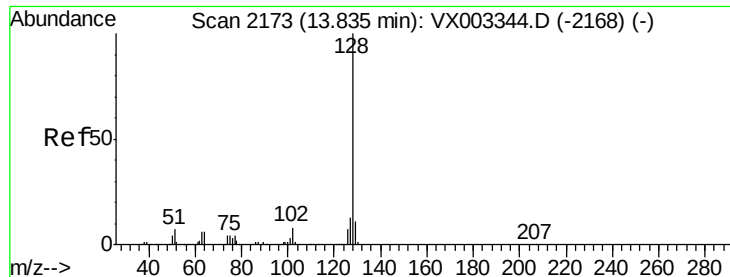
#90
 Hexachlorobutadiene
 Concen: 17.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003502.D
 Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	122.4
227	65.7	0.0	128.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





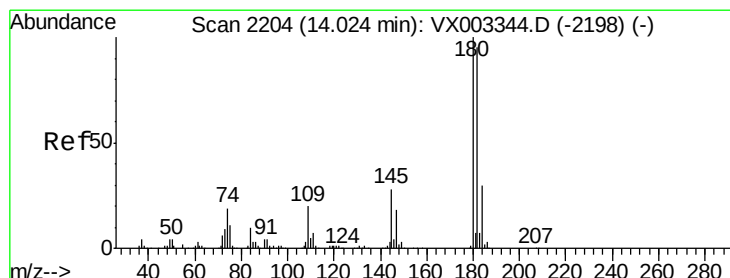
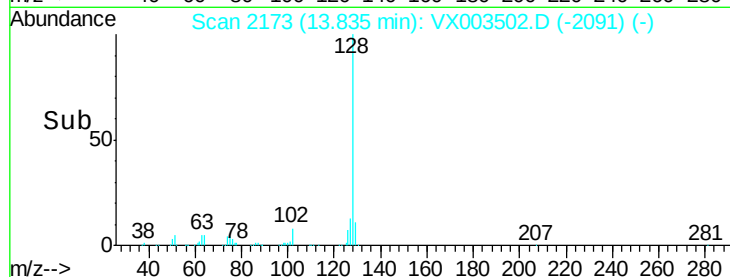
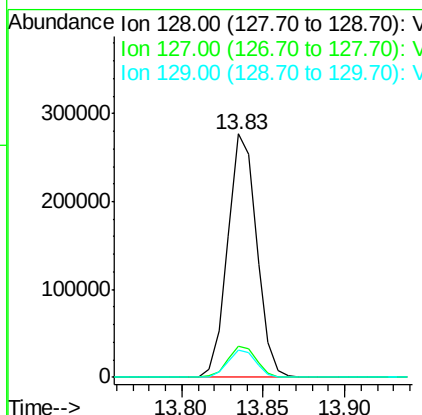
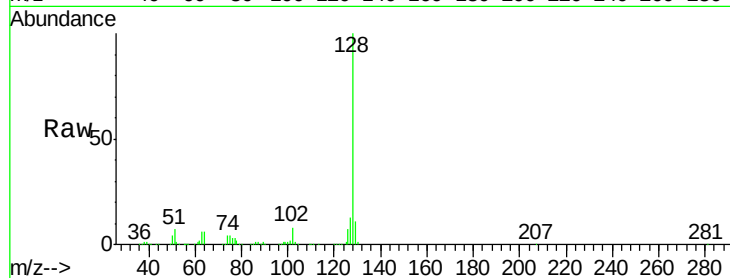
#91
Naphthalene
Concen: 17.76 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	341798		
127	13.0		10.3	15.5
129	10.9		8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 18.28 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003502.D
Acq: 20 Jul 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	123671		
182	96.6		0.0	191.0
145	30.0		0.0	60.6

