

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001847.D
 Acq On : 19 May 2018 01:34
 Operator : JC/MD
 Sample : VX0518WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:39 PM

Quant Time: May 19 05:35:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176418	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	155920	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.72	98	579273	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.14	95	172772	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52067	18.63	ug/l	100
3) Chloromethane	1.32	50	63775	21.13	ug/l	98
4) Vinyl Chloride	1.40	62	66026	20.23	ug/l	99
5) Bromomethane	1.64	94	35306	24.06	ug/l	97
6) Chloroethane	1.72	64	42829	20.84	ug/l	97
7) Trichlorofluoromethane	1.93	101	93847	19.79	ug/l	100
8) Diethyl Ether	2.19	74	40179	20.59	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56678	19.86	ug/l	98
10) Methyl Iodide	2.51	142	67784	25.81	ug/l	98
11) Tert butyl alcohol	3.08	59	78303	118.18	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53389	19.40	ug/l	99
13) Acrolein	2.29	56	38150	81.18	ug/l	99
14) Allyl chloride	2.73	41	102113	20.07	ug/l	96
15) Acrylonitrile	3.15	53	182378	109.59	ug/l	99
16) Acetone	2.45	43	155593	106.15	ug/l	99
17) Carbon Disulfide	2.57	76	119246	16.61	ug/l	100
18) Methyl Acetate	2.78	43	101601	23.71	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	192349	20.74	ug/l	99
20) Methylene Chloride	2.86	84	63427	20.21	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	57855	19.08	ug/l	97
22) Diisopropyl ether	3.88	45	209147	21.43	ug/l	98
23) Vinyl Acetate	3.83	43	673505	95.79	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111803	20.89	ug/l	100
25) 2-Butanone	4.71	43	260620	116.13	ug/l	98
26) 2,2-Dichloropropane	4.59	77	62011	14.39	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	72025	20.88	ug/l	98
28) Bromochloromethane	5.02	49	57868	24.34	ug/l	99
29) Tetrahydrofuran	5.18	42	165604	113.21	ug/l	100
30) Chloroform	5.22	83	116994	20.81	ug/l	98
31) Cyclohexane	5.57	56	95284	20.31	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	100500	20.69	ug/l	99
36) 1,1-Dichloropropene	5.81	75	81754	19.27	ug/l	100
37) Ethyl Acetate	4.87	43	95936	21.70	ug/l	99
38) Carbon Tetrachloride	5.79	117	88762	19.97	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95747	19.32	ug/l	97
40) Benzene	6.15	78	265869	21.27	ug/l	99
41) Methacrylonitrile	5.07	41	55089	21.55	ug/l	98
42) 1,2-Dichloroethane	6.21	62	91771	20.30	ug/l	98
43) Isopropyl Acetate	6.48	43	142954	20.66	ug/l	99
44) Trichloroethene	7.22	130	78415	20.21	ug/l	99
45) 1,2-Dichloropropane	7.52	63	65943	21.50	ug/l	99
46) Dibromomethane	7.67	93	44817	20.81	ug/l	99
47) Bromodichloromethane	7.90	83	83414	20.87	ug/l	99
48) Methyl methacrylate	7.79	41	75626	20.77	ug/l	97
49) 1,4-Dioxane	7.76	88	36506	520.62	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	505039	115.18	ug/l	100
52) Toluene	8.79	92	170631	21.25	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	92774	19.73	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	79332	19.14	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	59648	19.43	ug/l	99
56) Ethyl methacrylate	9.19	69	80643	18.52	ug/l	98
57) 1,3-Dichloropropane	9.38	76	96872	18.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	246694	110.17	ug/l	99
59) 2-Hexanone	9.51	43	319729	101.87	ug/l	99
60) Dibromochloromethane	9.59	129	60269	19.17	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61405	19.11	ug/l	99
64) Tetrachloroethene	9.34	164	79106	21.07	ug/l	99
65) Chlorobenzene	10.15	112	162870	20.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	61393	21.91	ug/l	98
67) Ethyl Benzene	10.26	91	260572	20.55	ug/l	100
68) m/p-Xylenes	10.37	106	207785	41.54	ug/l	100
69) o-Xylene	10.71	106	101224	21.13	ug/l	100
70) Styrene	10.72	104	166844	21.12	ug/l	99
71) Bromoform	10.86	173	48739	20.52	ug/l	99
73) Isopropylbenzene	11.02	105	274703	22.41	ug/l	99
74) N-amyl acetate	6.48	43	142954	24.33	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83538	22.72	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80022m	22.61	ug/l	
77) Bromobenzene	11.26	156	78492	21.79	ug/l	99
78) n-propylbenzene	11.37	91	295271	21.38	ug/l	99
79) 2-Chlorotoluene	11.43	91	180280	21.83	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	223858	22.26	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18575	17.91	ug/l	94
82) 4-Chlorotoluene	11.52	91	204655	21.03	ug/l	99
83) tert-Butylbenzene	11.77	119	221667	22.15	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	232377	22.32	ug/l	100
85) sec-Butylbenzene	11.95	105	269774	21.84	ug/l	100
86) p-Isopropyltoluene	12.07	119	243352	21.29	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	137323	20.62	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137547	19.97	ug/l	99
89) n-Butylbenzene	12.40	91	181631	18.37	ug/l	99
90) Hexachloroethane	12.60	117	38824	21.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	142453	21.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17972	22.90	ug/l	97

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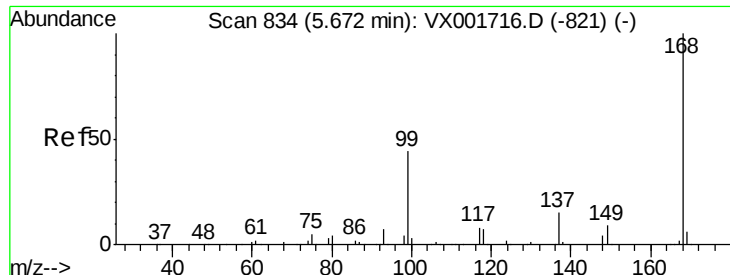
Manual Integrations
APPROVED

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5/21/2018 2:40:39 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99640	18.83	ug/l	100
94) Hexachlorobutadiene	13.79	225	55707	19.61	ug/l	100
95) Naphthalene	13.84	128	287751	20.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107708	20.22	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:168 Resp: 278434

Ion Ratio Lower Upper

168 100

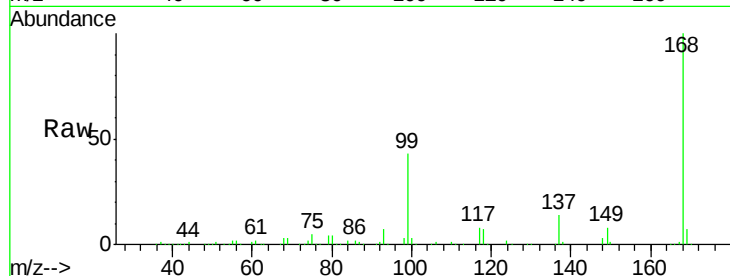
99 42.8 35.0 52.4

Manual Integrations

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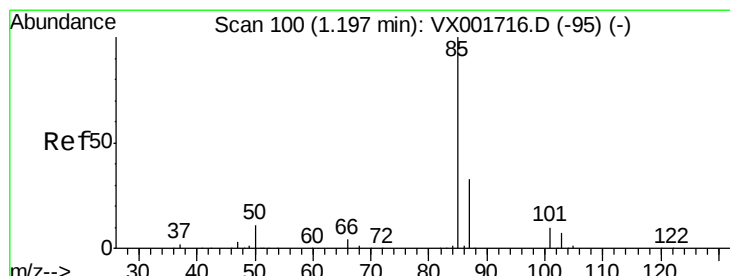
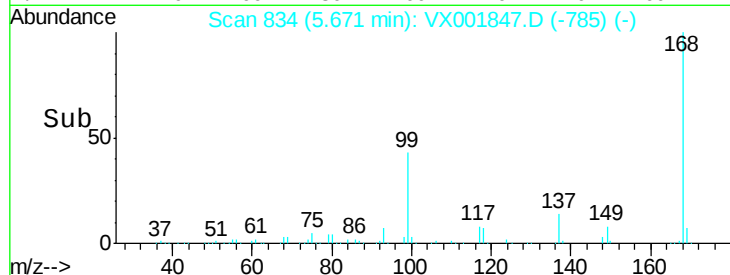
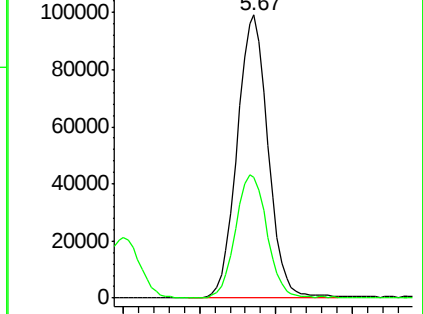
MMDadoda

5/21/2018 2:40:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.63 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001847.D

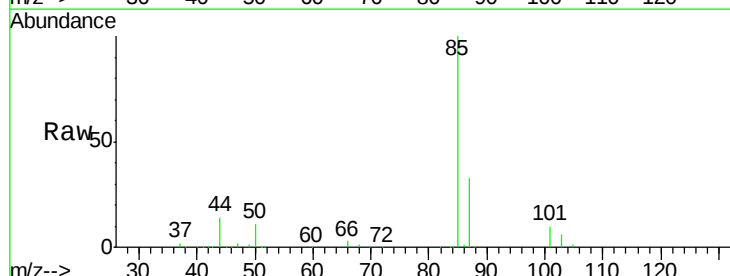
Acq: 19 May 2018 01:34

Tgt Ion: 85 Resp: 52067

Ion Ratio Lower Upper

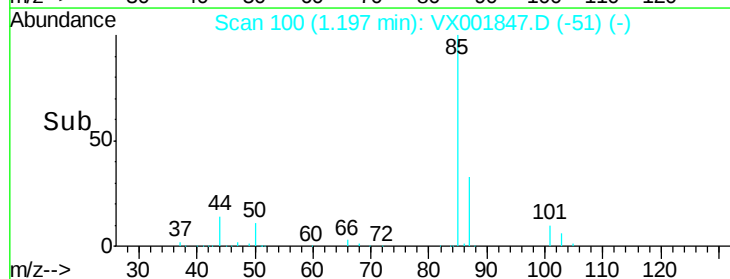
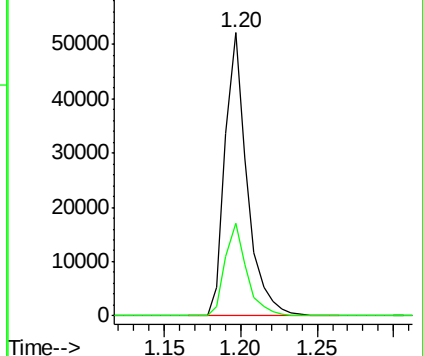
85 100

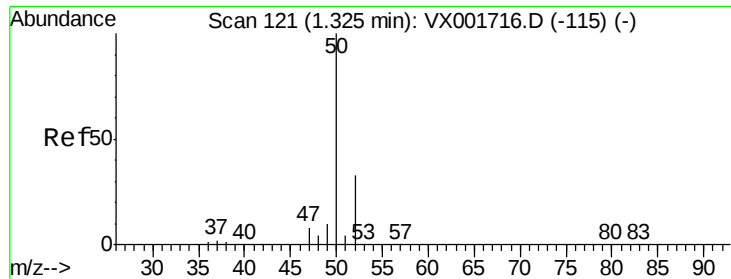
87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion: 50 Resp: 63775

Ion Ratio Lower Upper

50 100

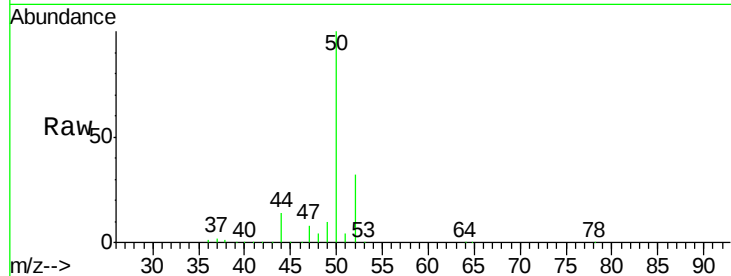
52 31.9 26.3 39.5

Manual Integrations

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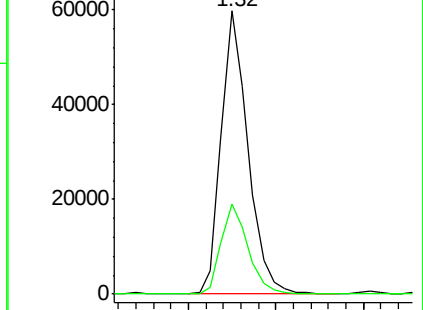
MMDadoda

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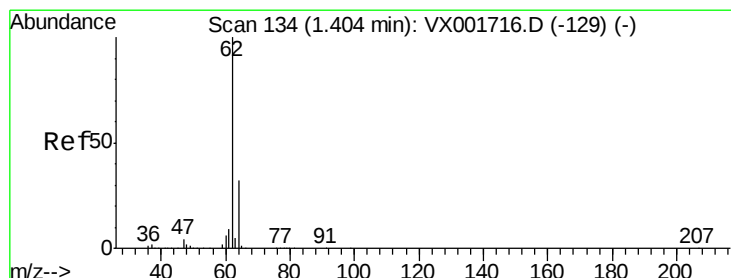
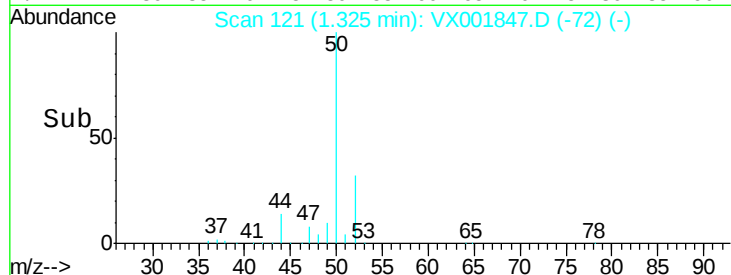


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 20.23 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001847.D

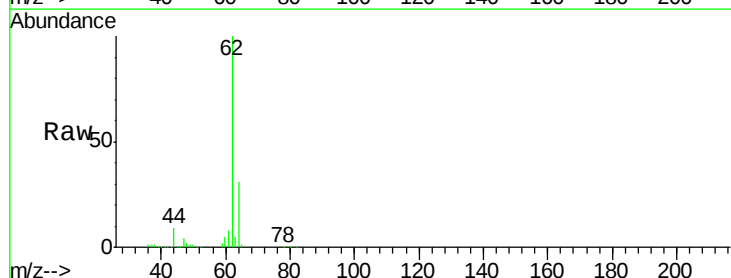
Acq: 19 May 2018 01:34

Tgt Ion: 62 Resp: 66026

Ion Ratio Lower Upper

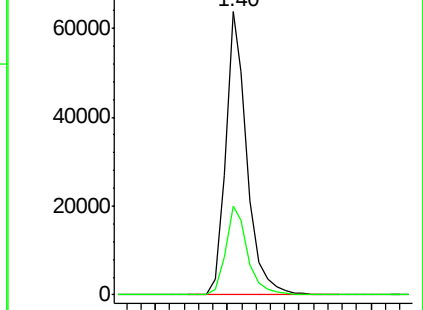
62 100

64 31.2 25.6 38.4

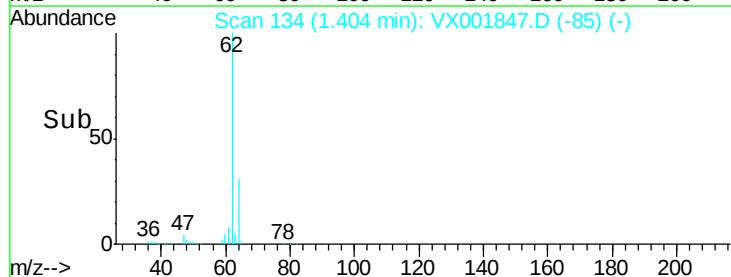


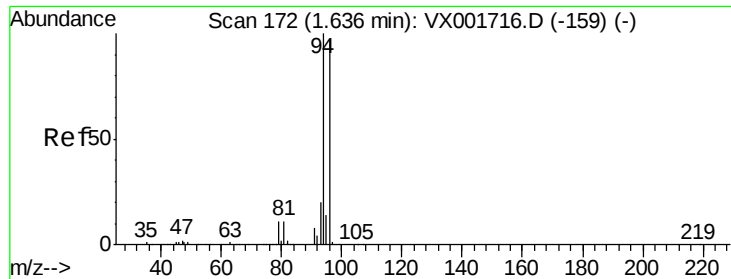
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 24.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion: 94 Resp: 35306

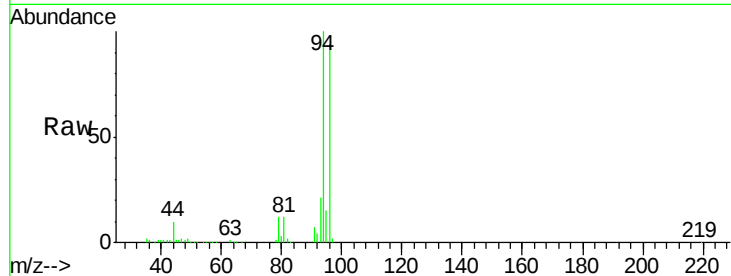
Ion Ratio Lower Upper

94 100

96 93.3 77.4 116.0

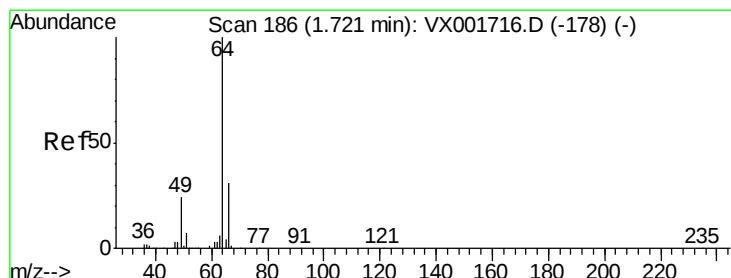
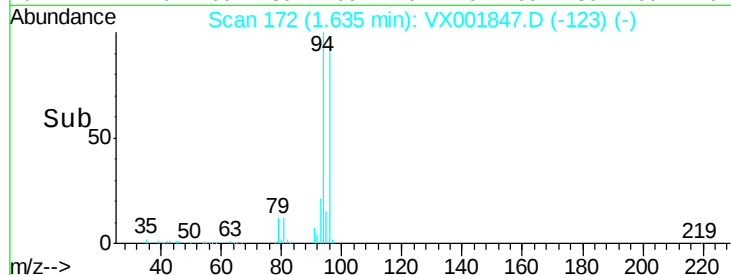
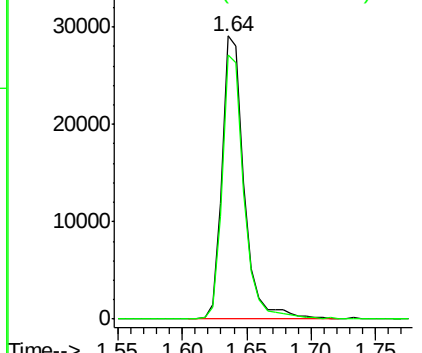
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.84 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001847.D

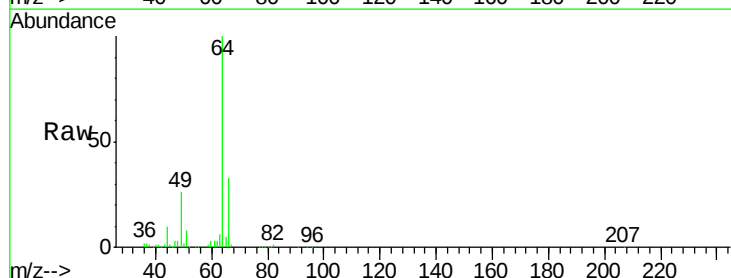
Acq: 19 May 2018 01:34

Tgt Ion: 64 Resp: 42829

Ion Ratio Lower Upper

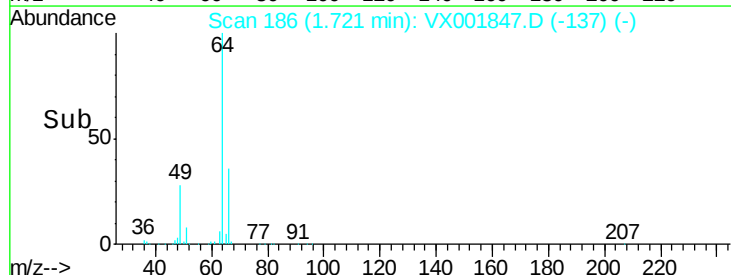
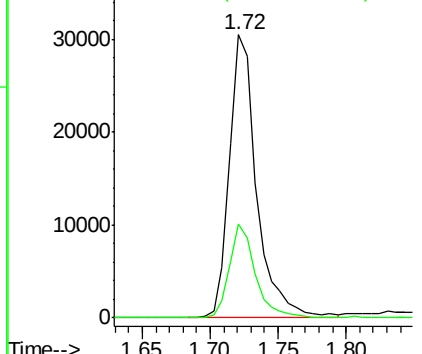
64 100

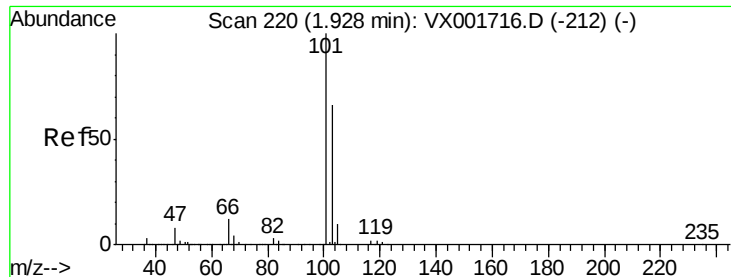
66 33.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

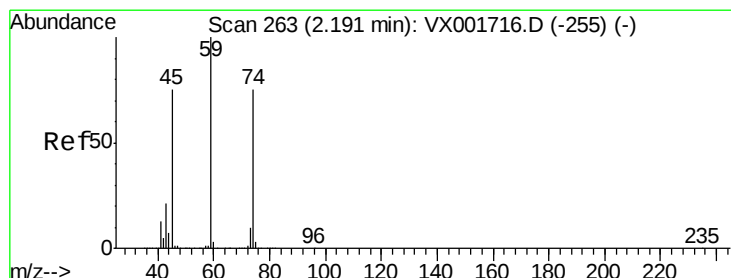
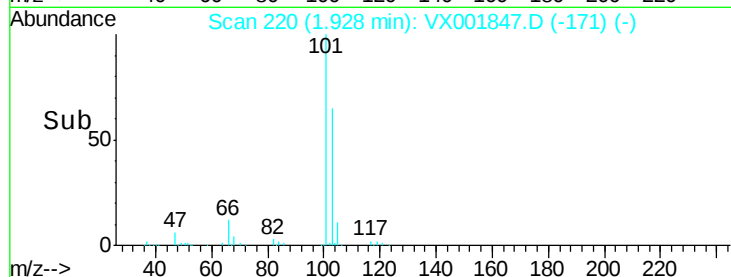
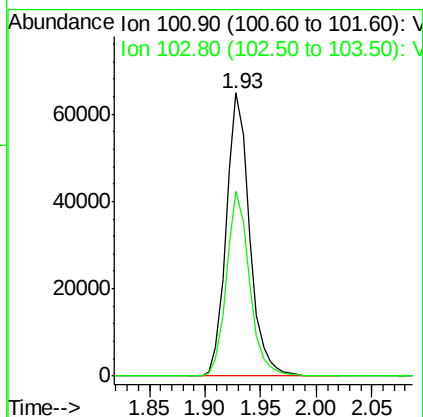
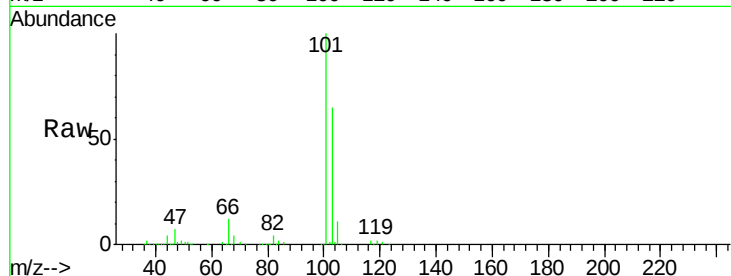
Trichlorofluoromethane
Concen: 19.79 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.6	78.8

Manual Integrations
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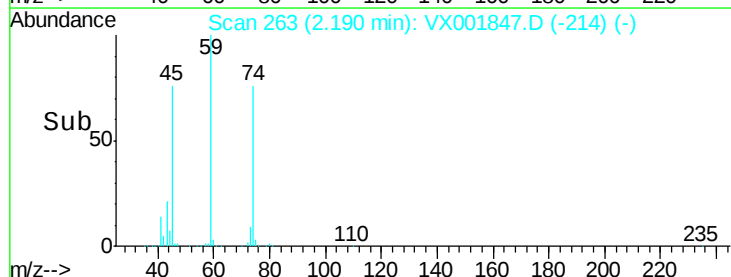
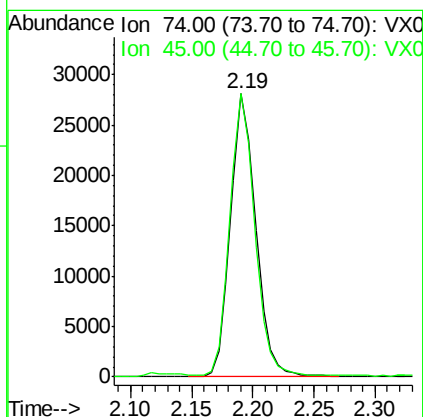
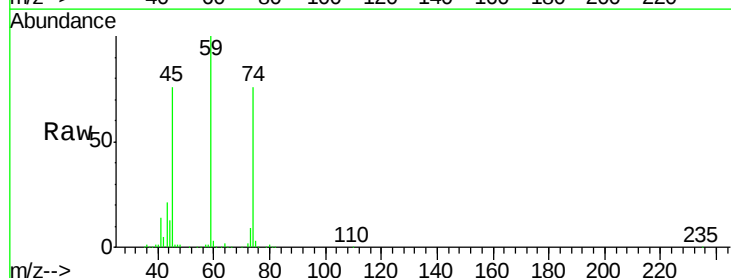
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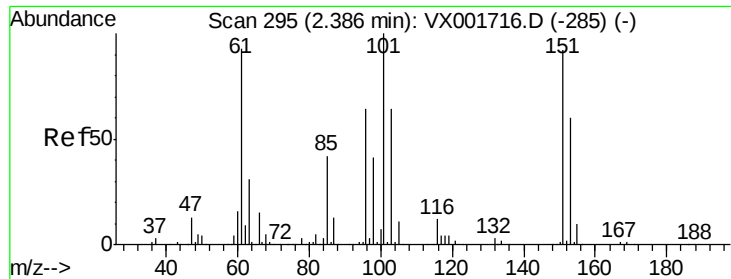


#8

Diethyl Ether
Concen: 20.59 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.86 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:101 Resp: 56678

Ion Ratio Lower Upper

101 100

85 40.9 33.7 50.5

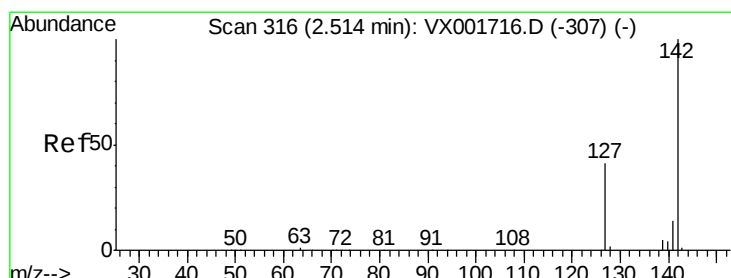
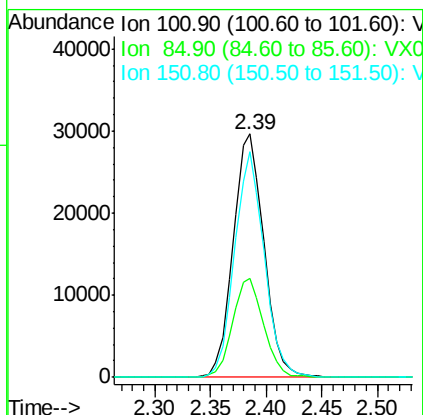
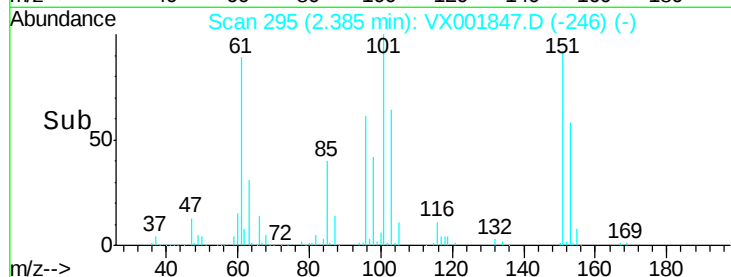
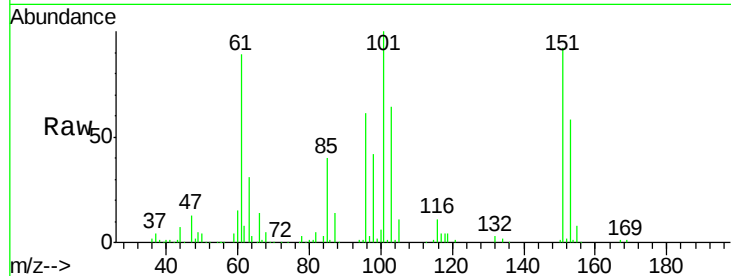
151 89.6 73.0 109.6

Manual Integrations

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#10

Methyl Iodide

Concen: 25.81 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

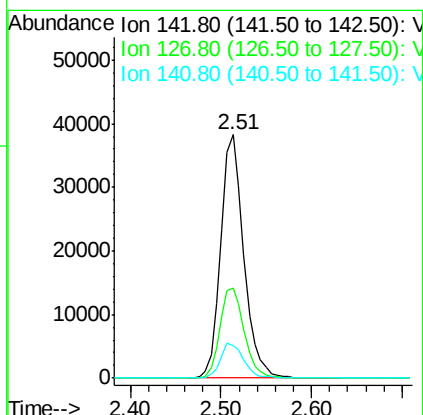
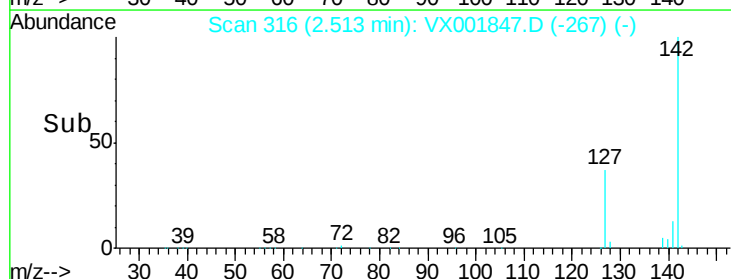
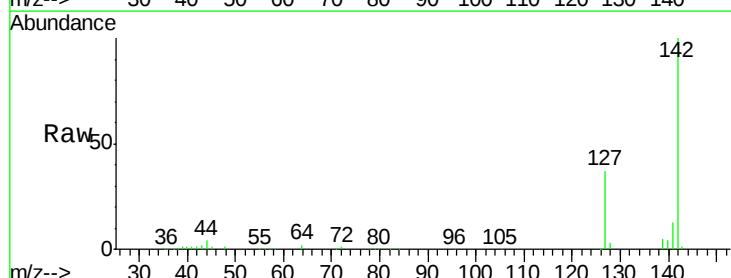
Tgt Ion:142 Resp: 67784

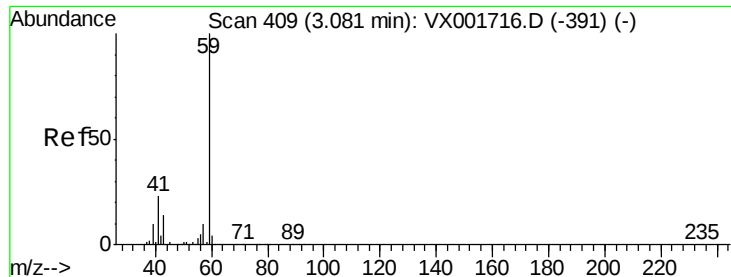
Ion Ratio Lower Upper

142 100

127 39.2 32.5 48.7

141 14.4 11.4 17.0





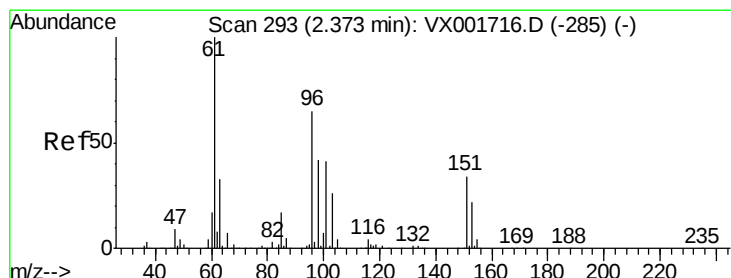
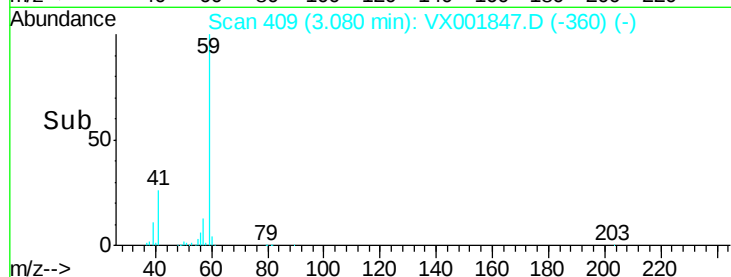
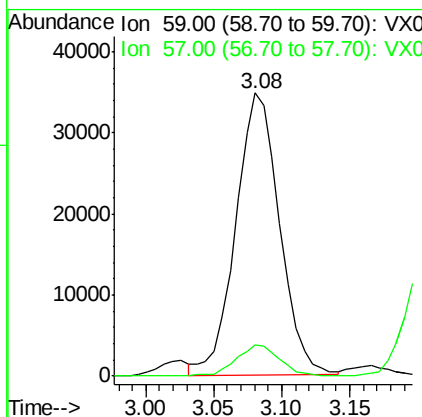
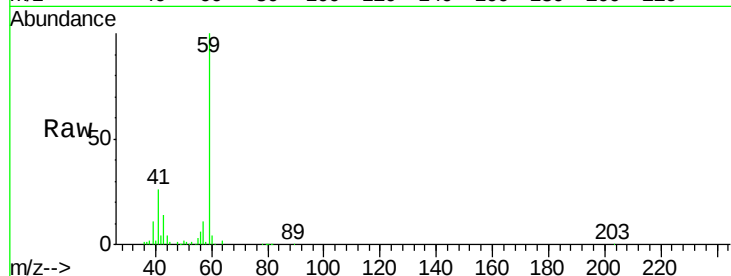
#11
Tert butyl alcohol
Concen: 118.18 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.5	12.7

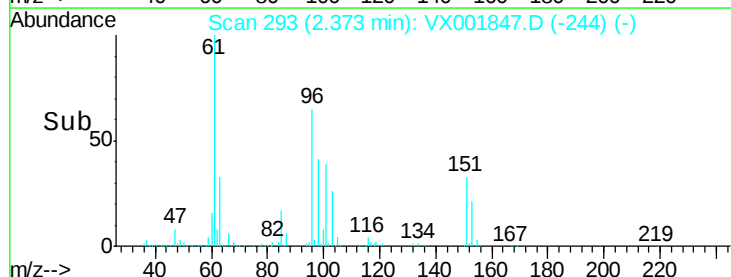
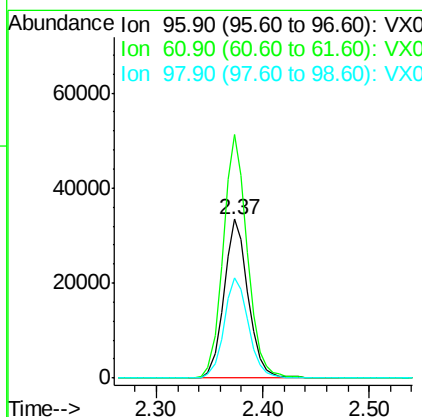
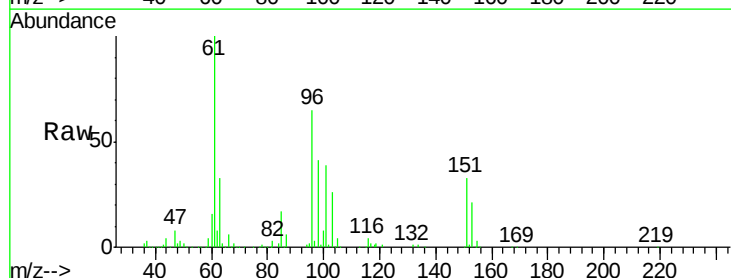
Manual Integrations
APPROVED

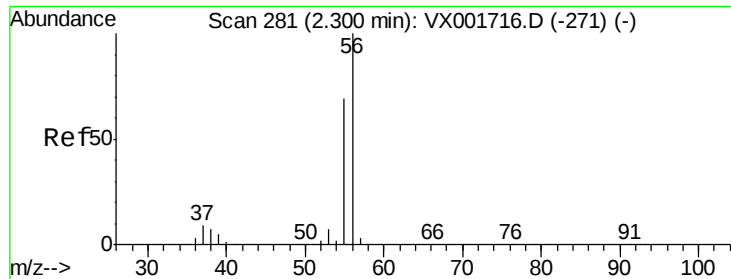
MMDadoda
5/21/2018 2:40:39 PM



#12
1,1-Dichloroethene
Concen: 19.40 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	122.2	183.2
98	63.1	51.4	77.0





#13

Acrolein

Concen: 81.18 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion: 56 Resp: 38150

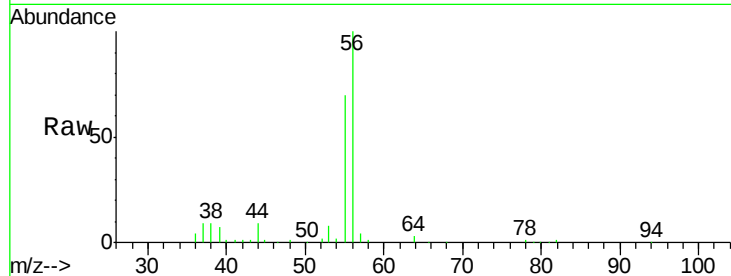
Ion Ratio Lower Upper

56 100

55 69.7 56.2 84.2

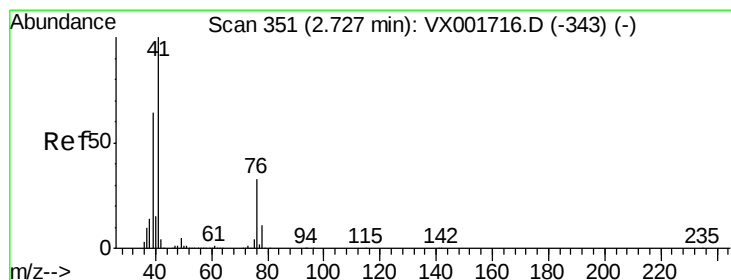
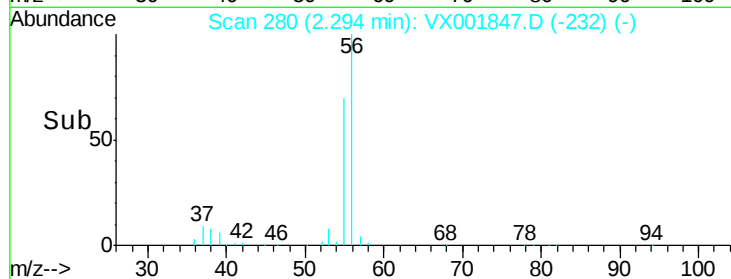
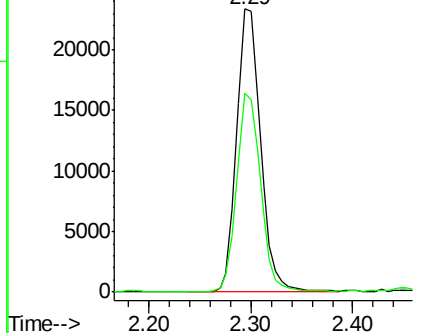
Manual Integrations
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5/21/2018 2:40:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

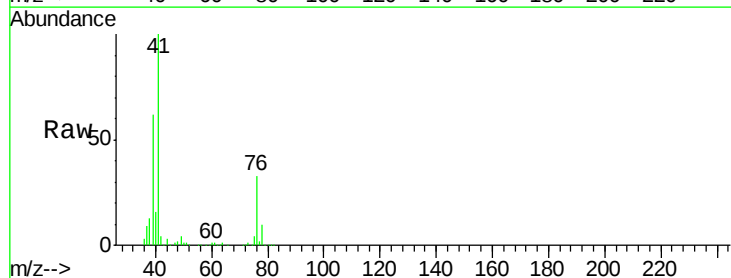
Tgt Ion: 41 Resp: 102113

Ion Ratio Lower Upper

41 100

39 58.8 49.8 74.6

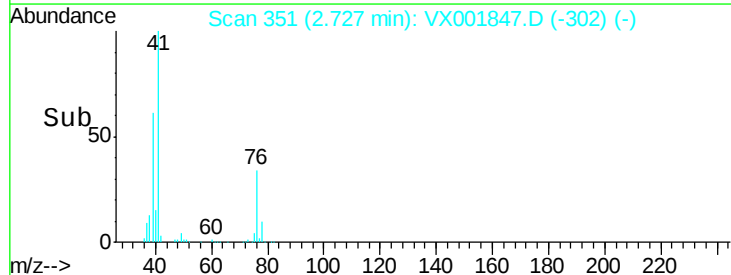
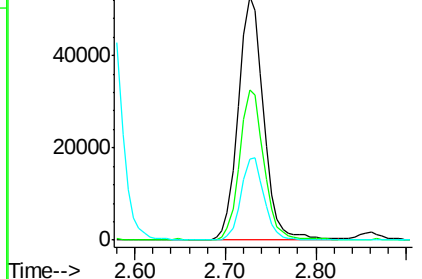
76 31.1 25.8 38.8

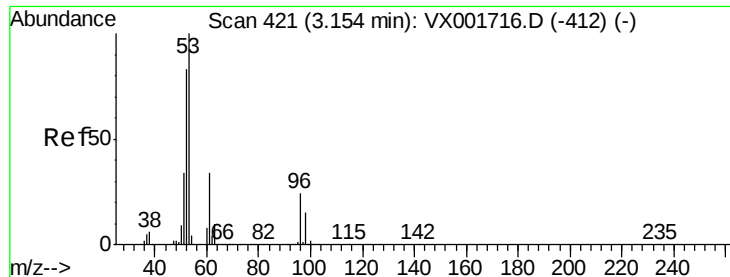


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 109.59 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

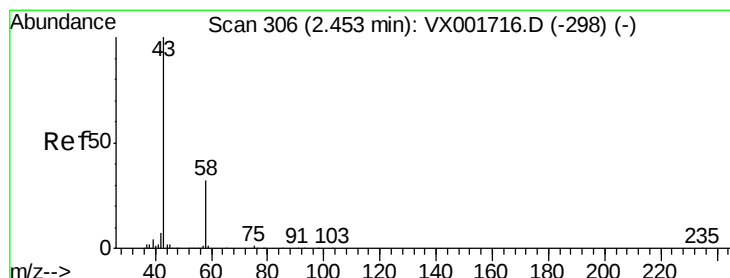
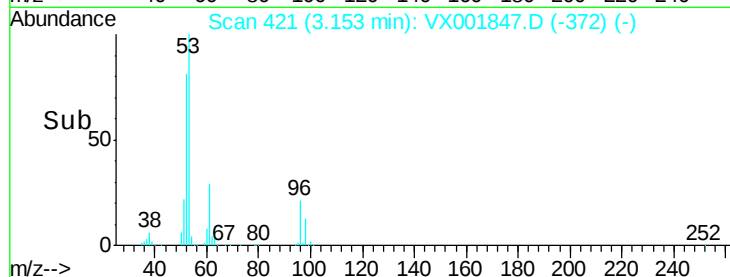
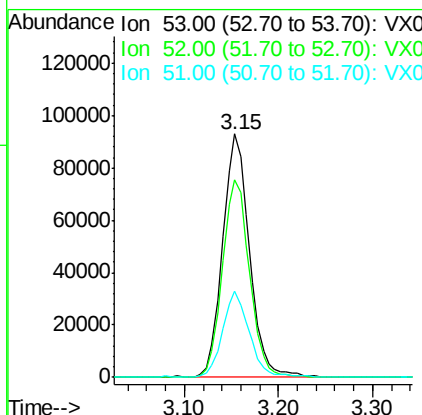
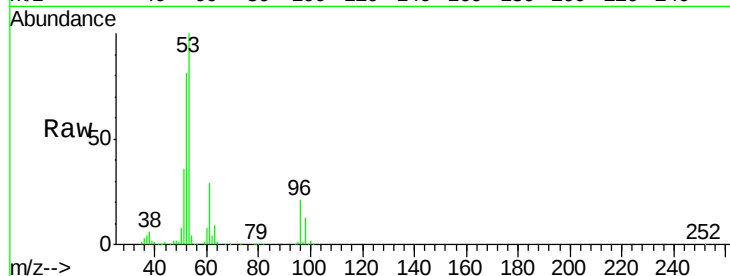
ClientSampleId :

VX0518WBS02

Tot Ion:	53	Resp:	182378
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.6	98.4
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 106.15 ug/l

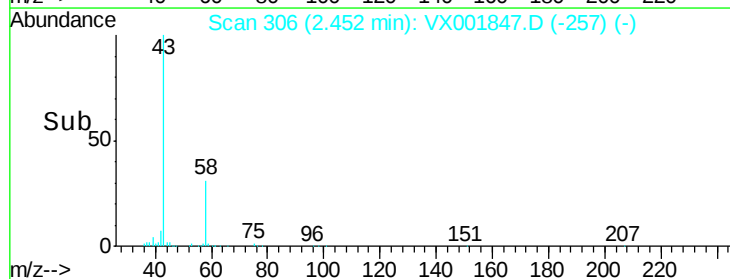
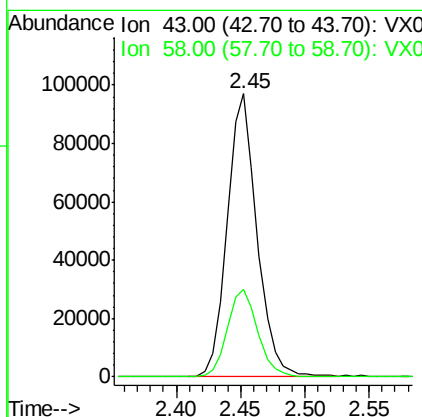
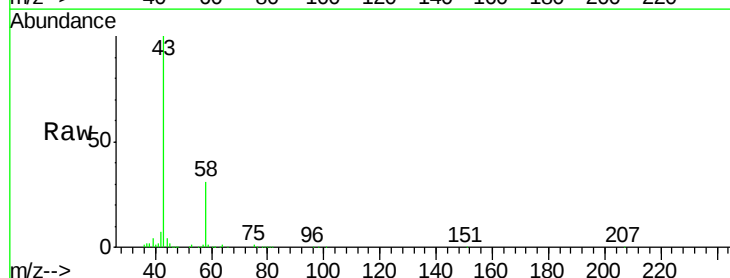
RT: 2.45 min Scan# 306

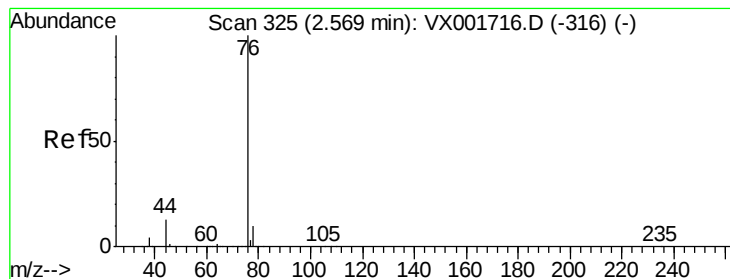
Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion:	43	Resp:	155593
Ion Ratio		Lower	Upper
43	100		
58	30.8	25.3	37.9





#17

Carbon Disulfide

Concen: 16.61 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion: 76 Resp: 119246

Ion Ratio Lower Upper

76 100

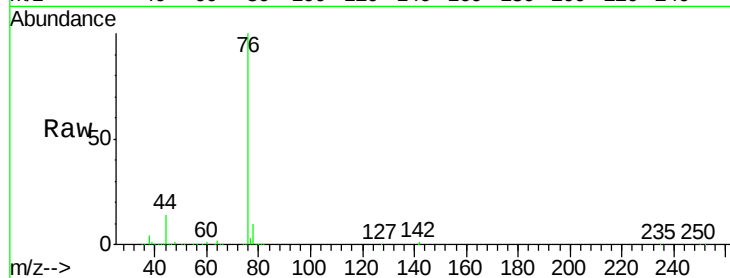
78 9.7 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

40000

20000

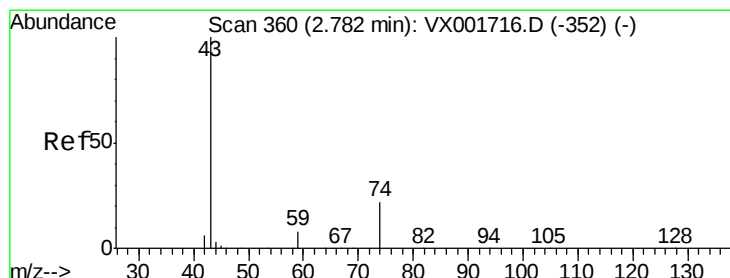
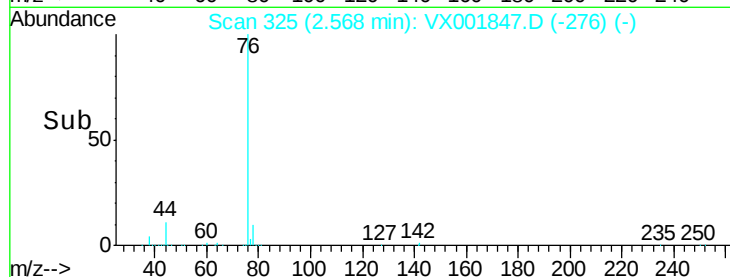
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 23.71 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001847.D

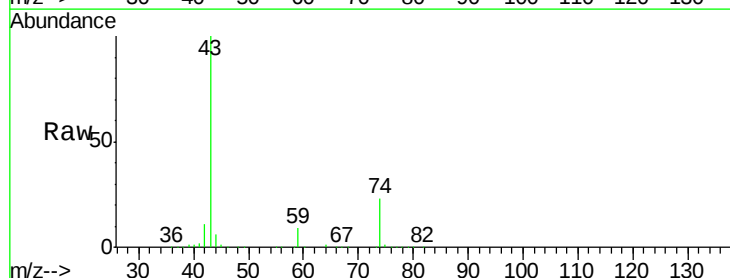
Acq: 19 May 2018 01:34

Tgt Ion: 43 Resp: 101601

Ion Ratio Lower Upper

43 100

74 23.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

30000

20000

10000

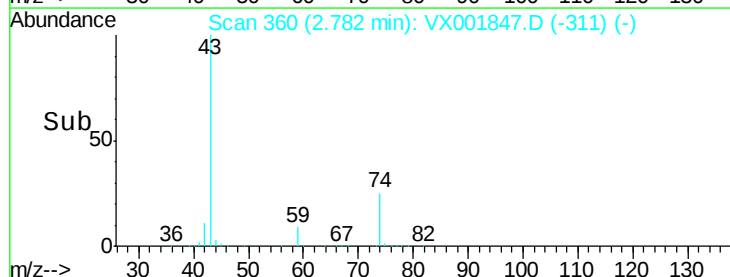
0

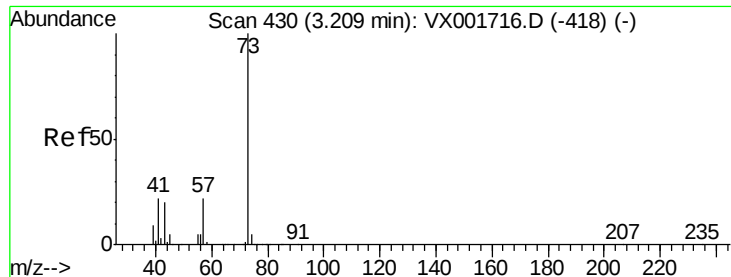
Time-->

2.70

2.80

2.90





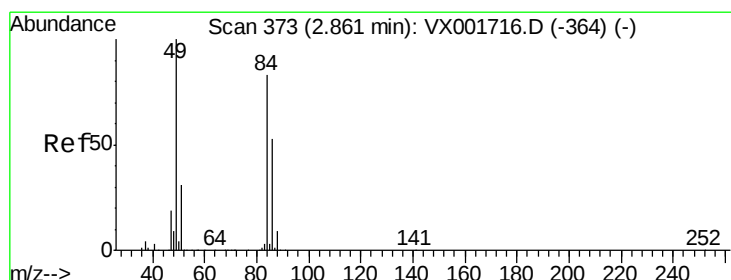
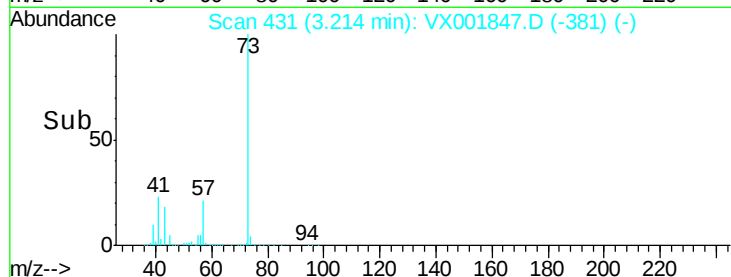
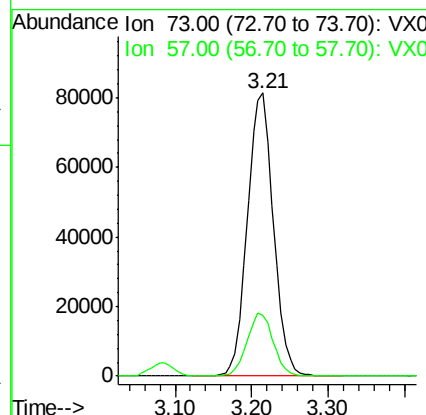
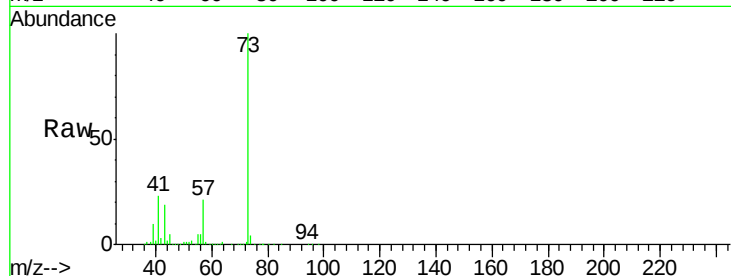
#19
Methvl tert-butvl Ether
Concen: 20.74 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3

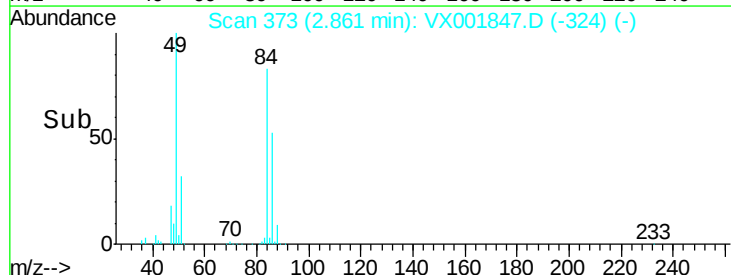
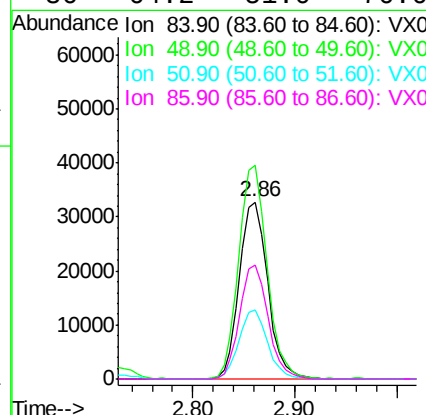
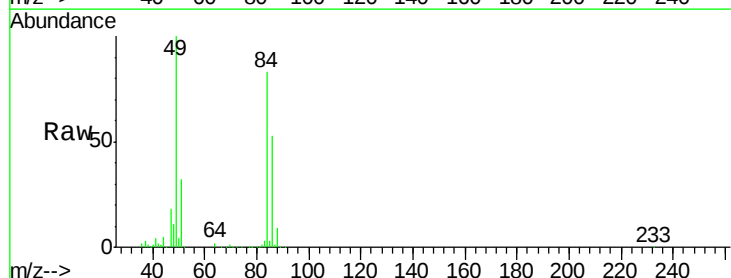
Manual Integrations
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#20
Methylene Chloride
Concen: 20.21 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	96.3	144.5
51	38.8	29.8	44.6
86	64.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

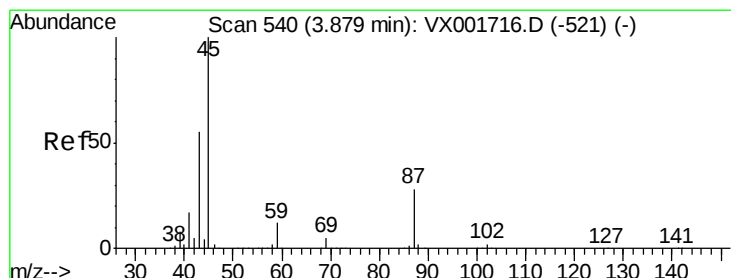
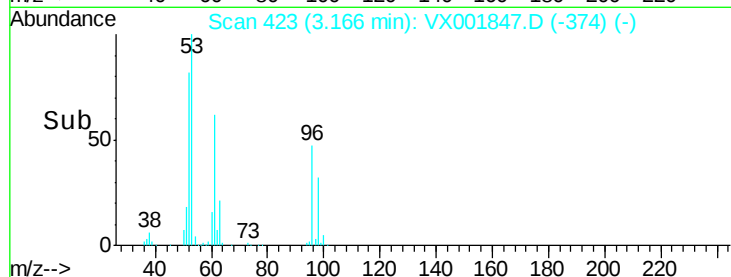
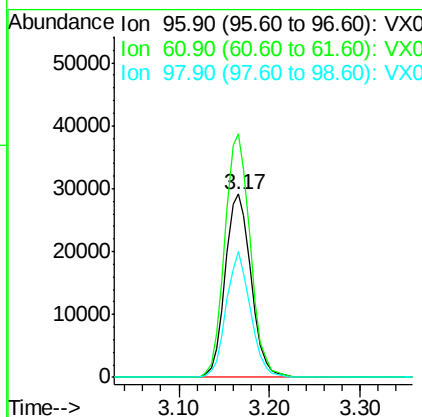
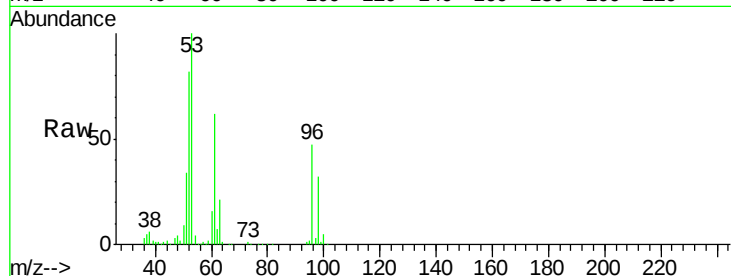
ClientSampleId :

VX0518WBS02

Tot Ion:	96	Resp:	57855
Ion	Ratio	Lower	Upper
96	100		
61	133.2	105.8	158.8
98	68.9	50.2	75.4

Manual Integrations
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MMDadoda
5/21/2018 2:40:39 PM



#22

Diisopropyl ether

Concen: 21.43 ug/l

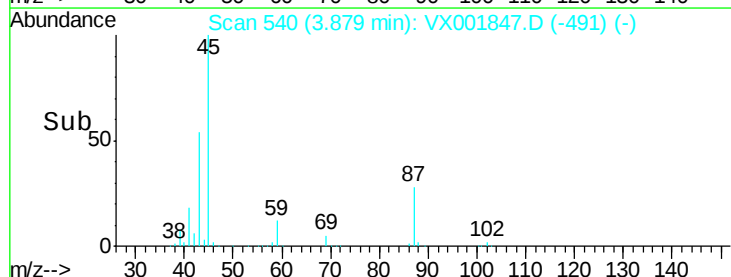
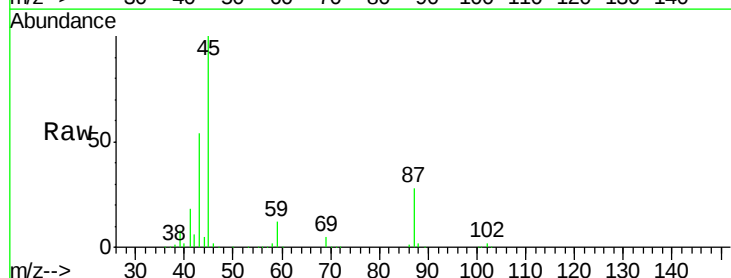
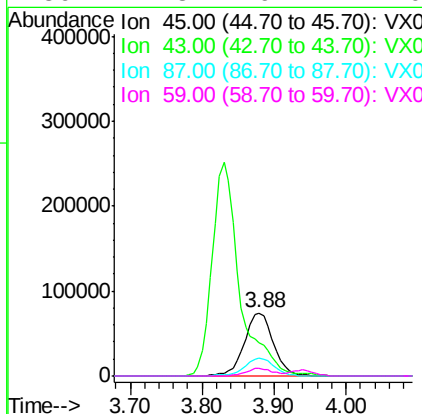
RT: 3.88 min Scan# 540

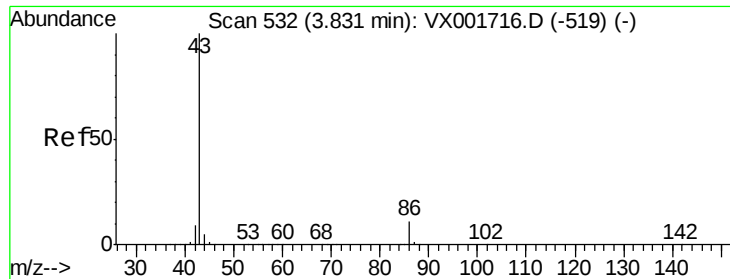
Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion:	45	Resp:	209147
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.3	66.5
87	28.4	22.6	33.8
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 95.79 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion: 43 Resp: 673505

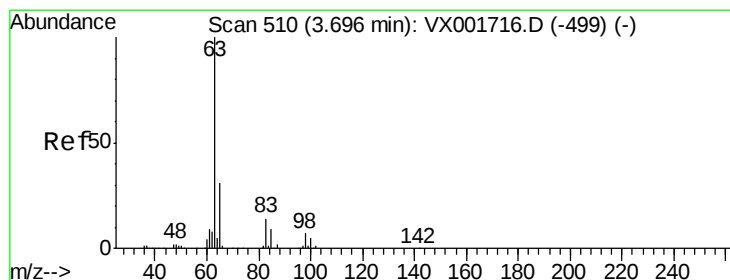
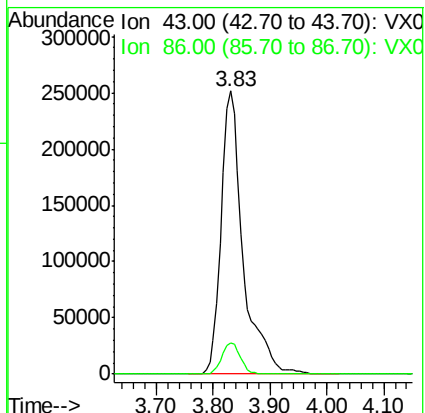
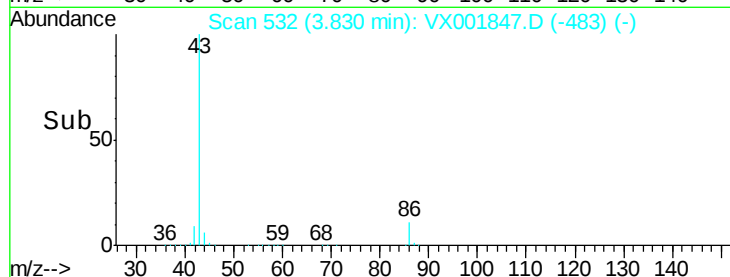
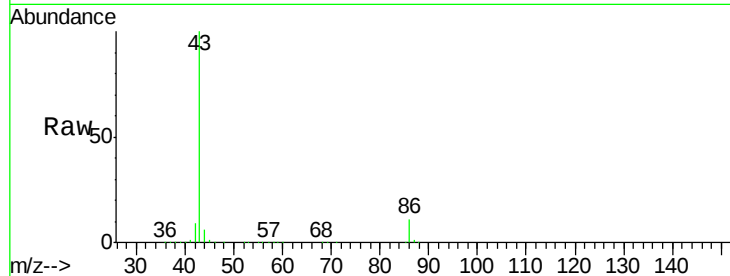
Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

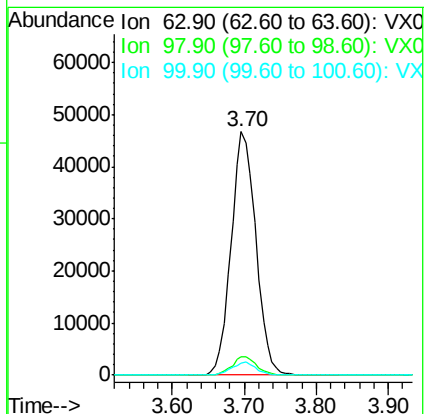
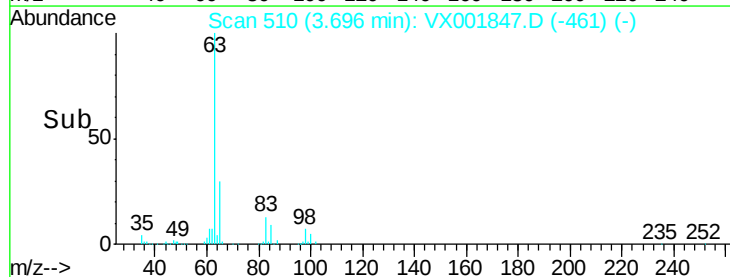
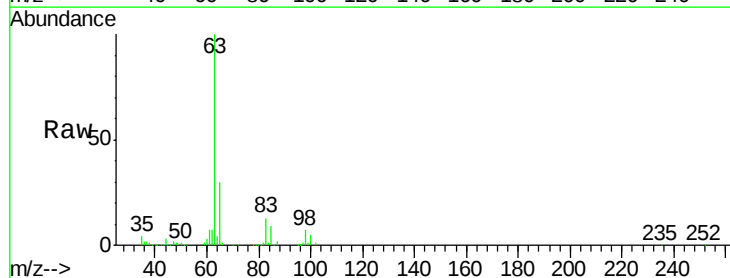
Tgt Ion: 63 Resp: 111803

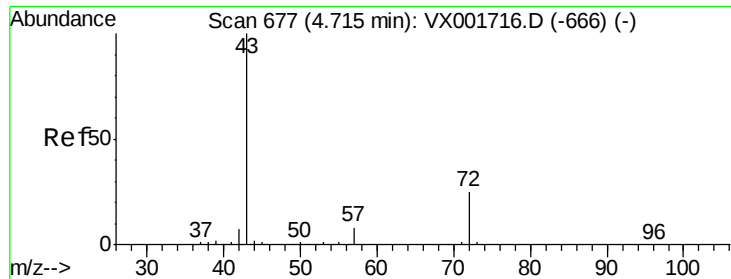
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 116.13 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tot Ion: 43 Resp: 260620

Ion Ratio Lower Upper

43 100

72 25.6 19.8 29.6

Instrument :

MSVOA_X

ClientSampled :

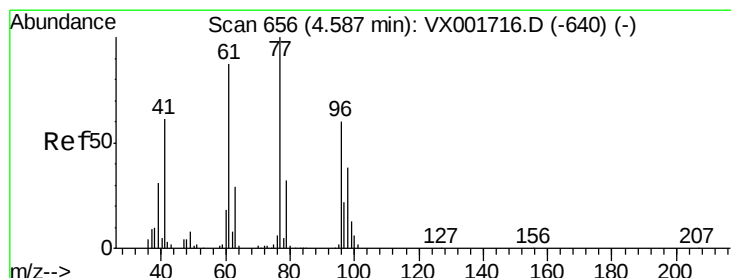
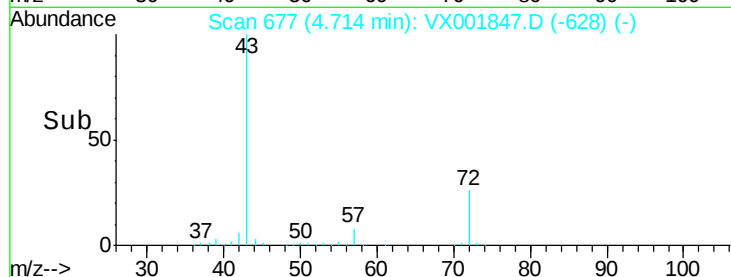
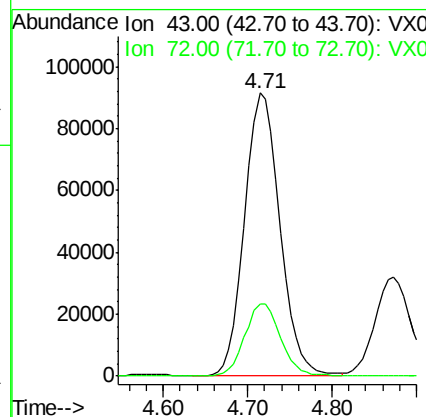
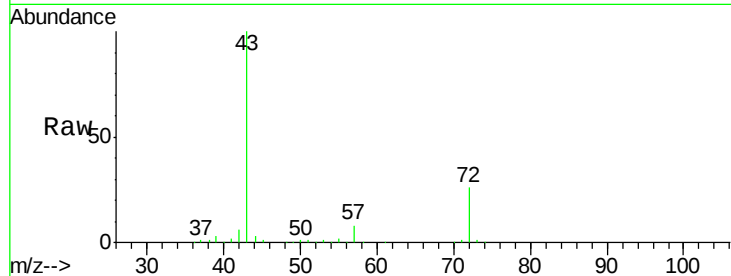
VX0518WBS02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.39 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001847.D

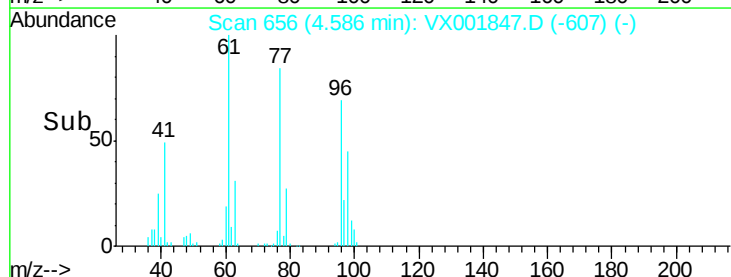
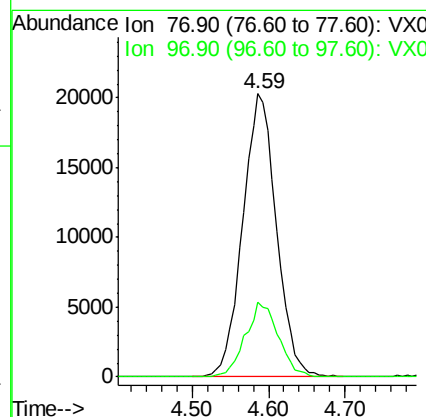
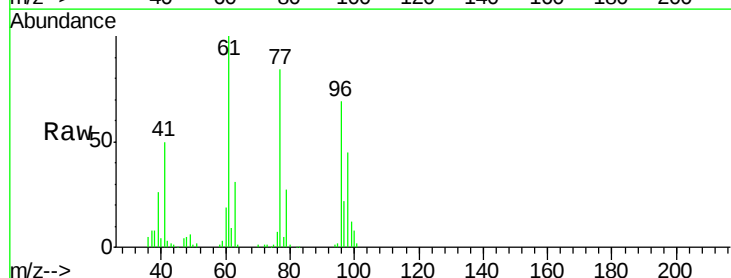
Acq: 19 May 2018 01:34

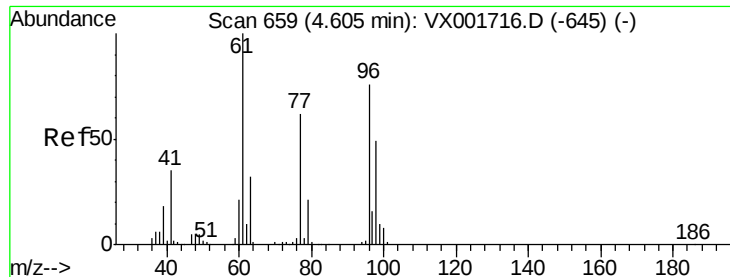
Tgt Ion: 77 Resp: 62011

Ion Ratio Lower Upper

77 100

97 25.9 11.6 34.8





#27

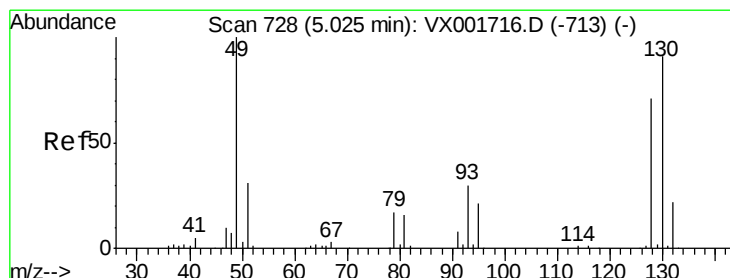
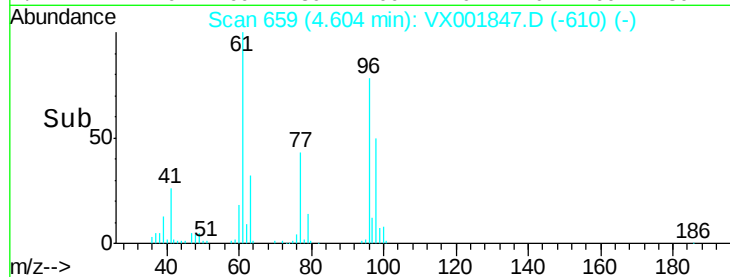
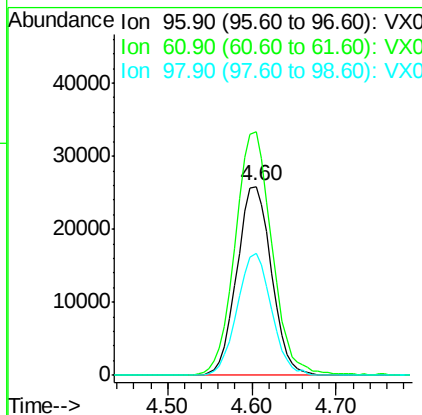
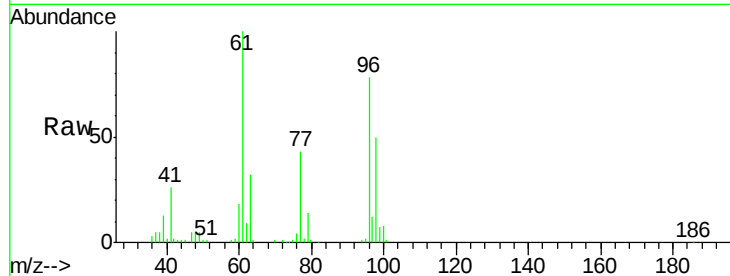
cis-1,2-Dichloroethene
Concen: 20.88 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	280.4
98	63.7	0.0	128.4

Manual Integrations
APPROVED

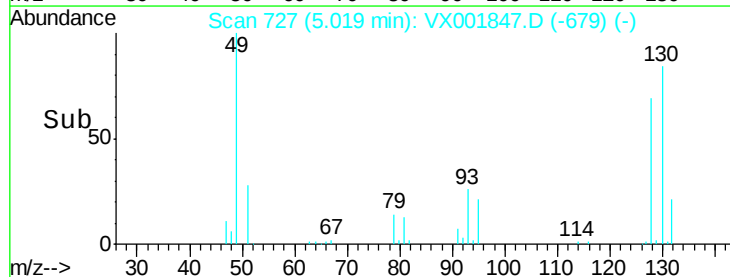
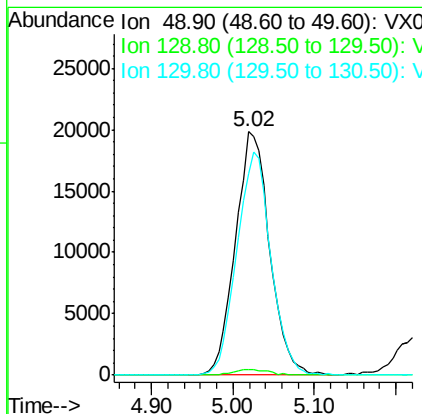
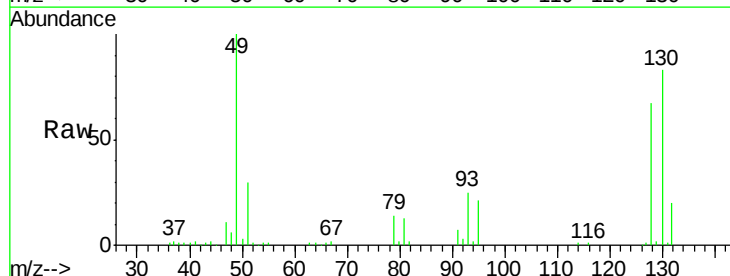
MMDadoda
5/21/2018 2:40:39 PM

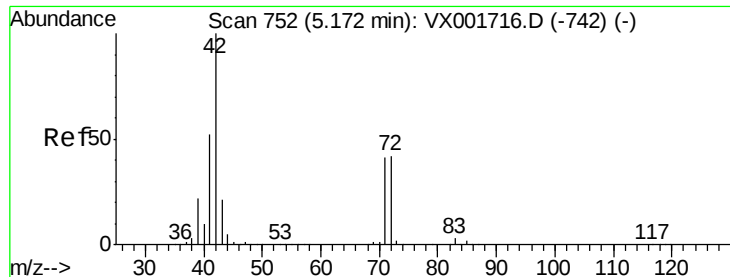


#28

Bromochloromethane
Concen: 24.34 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	90.9	71.8	107.6





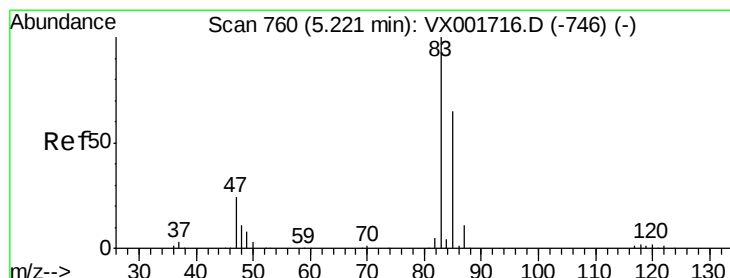
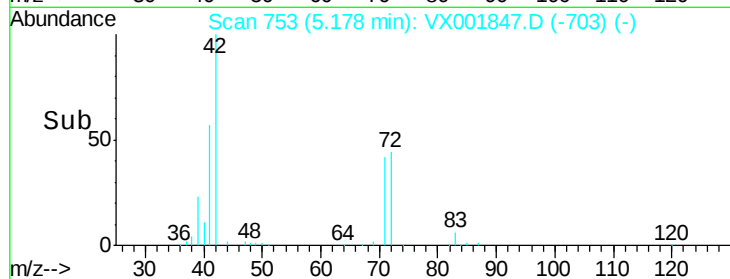
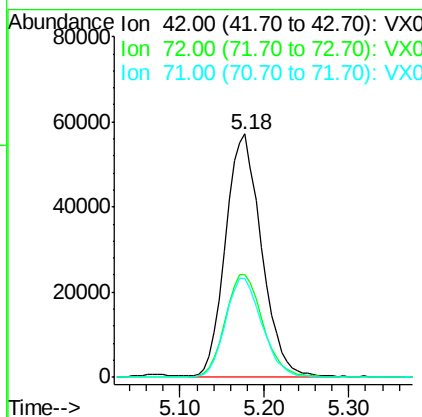
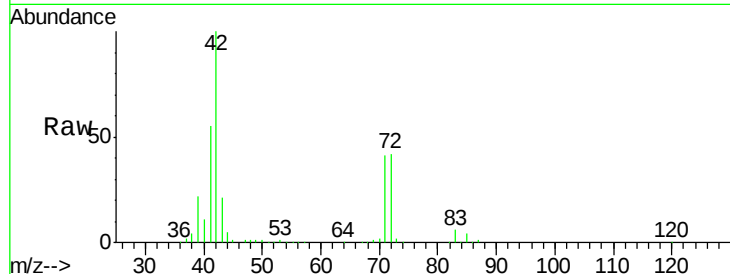
#29
Tetrahydrofuran
Concen: 113.21 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.4	53.2
71	41.6	33.2	49.8

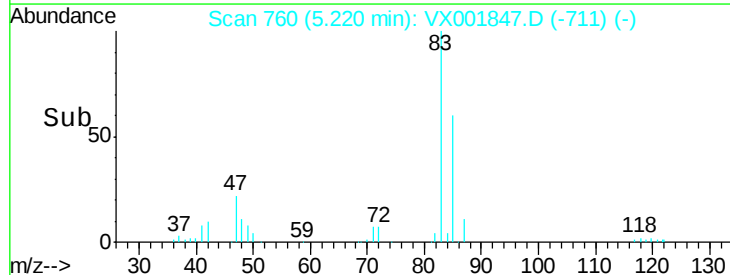
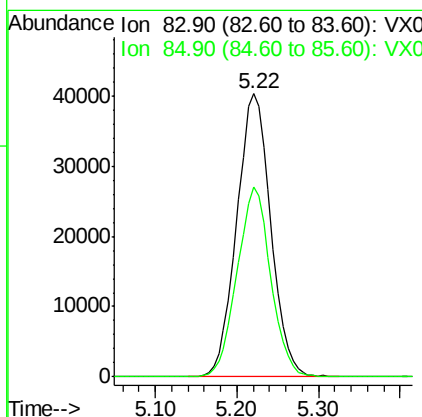
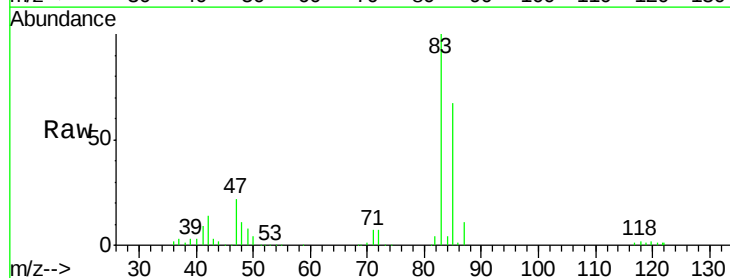
Manual Integrations
APPROVED

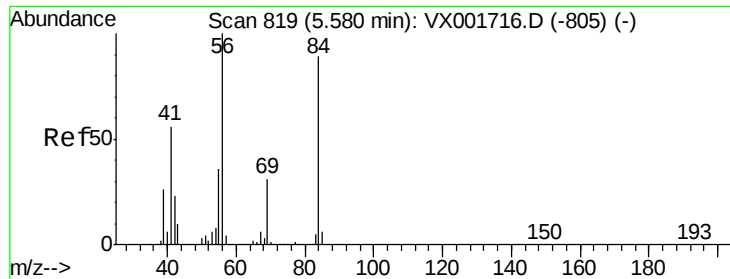
MMDadoda
5/21/2018 2:40:39 PM



#30
Chloroform
Concen: 20.81 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5





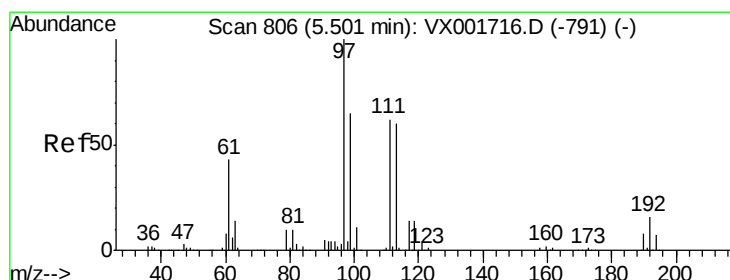
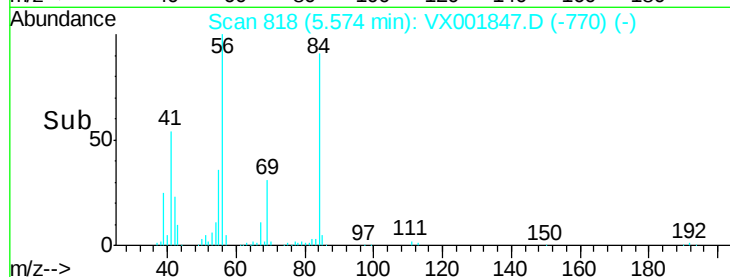
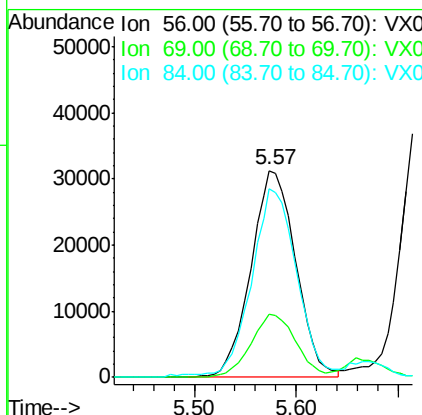
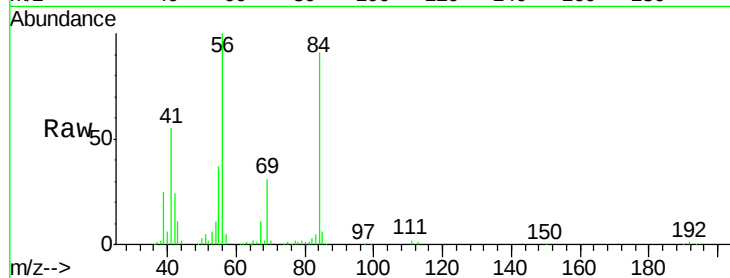
#31
Cyclohexane
Concen: 20.31 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.6
84	89.3	71.0	106.4

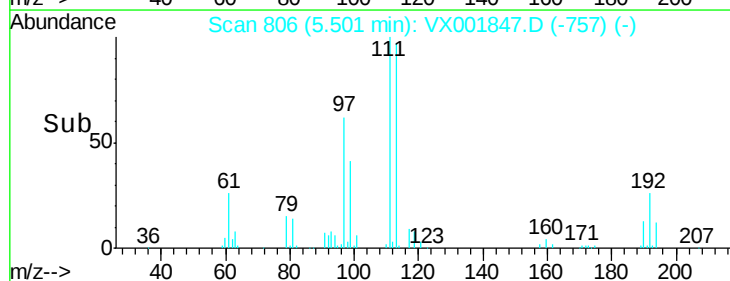
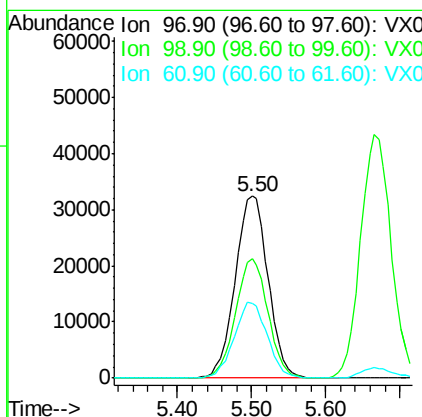
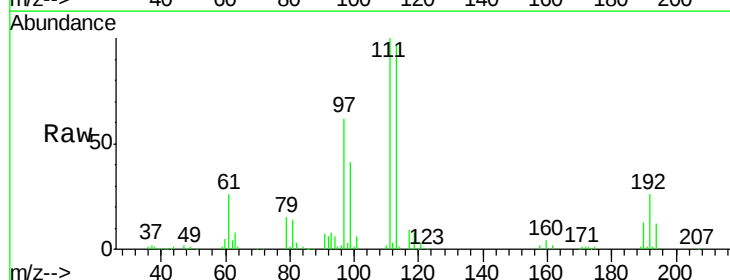
Manual Integrations
APPROVED

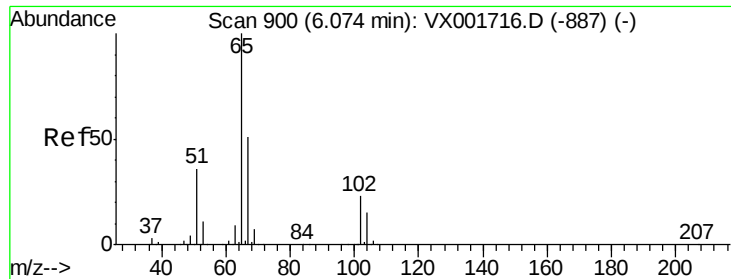
MMDadoda
5/21/2018 2:40:39 PM



#32
1,1,1-Trichloroethane
Concen: 20.69 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	41.7	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 47.27 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion: 65 Resp: 176418

Ion Ratio Lower Upper

65 100

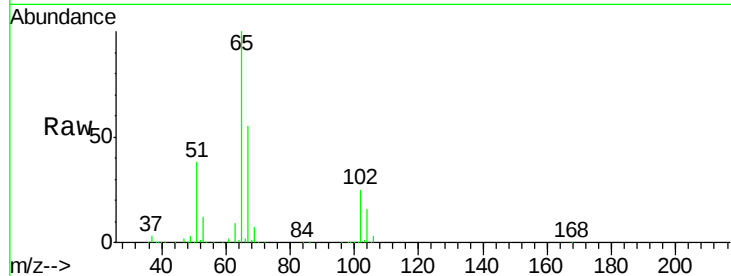
67 52.7 0.0 102.8

Manual Integrations

APPROVED

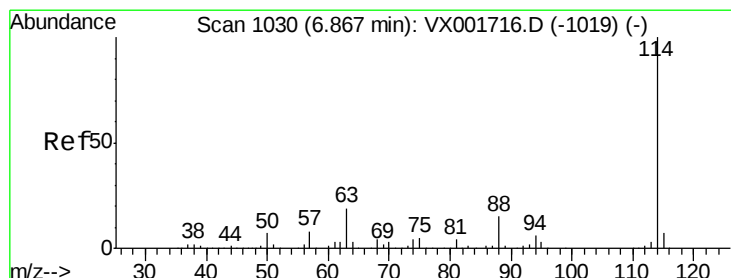
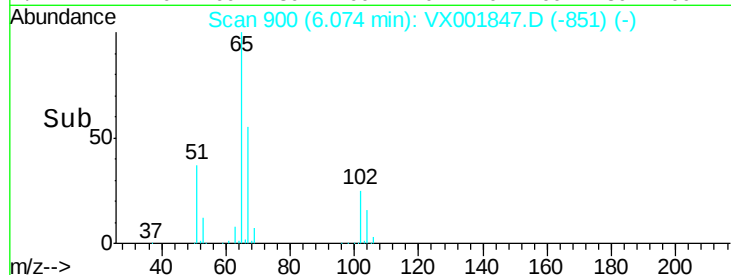
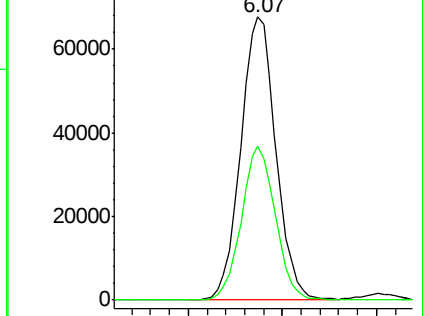
MMDadoda

5/21/2018 2:40:39 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

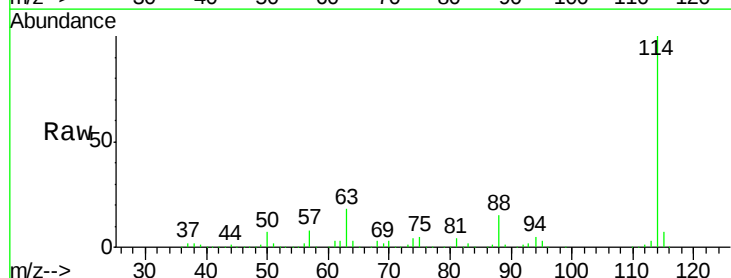
Tgt Ion: 114 Resp: 368485

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

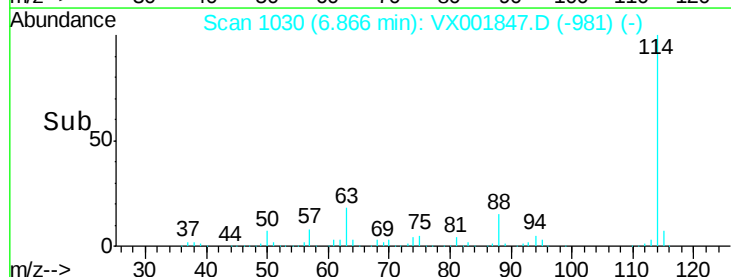
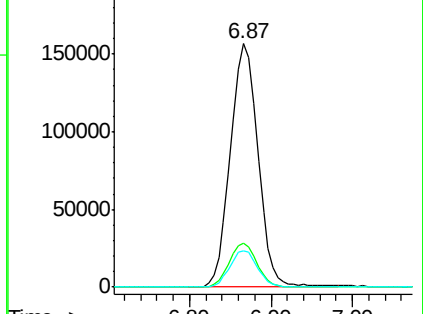
88 14.8 0.0 29.8

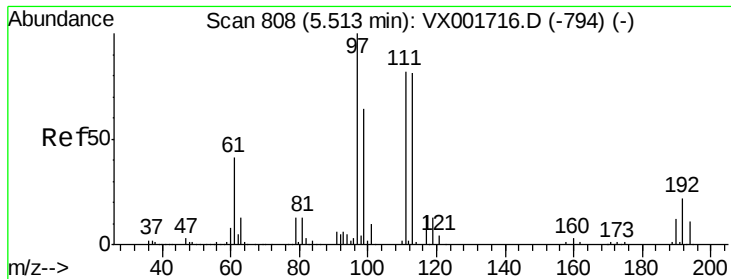


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





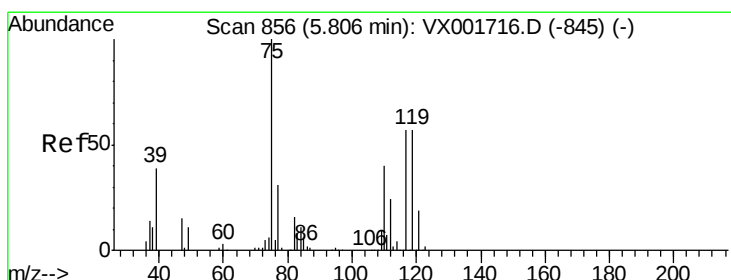
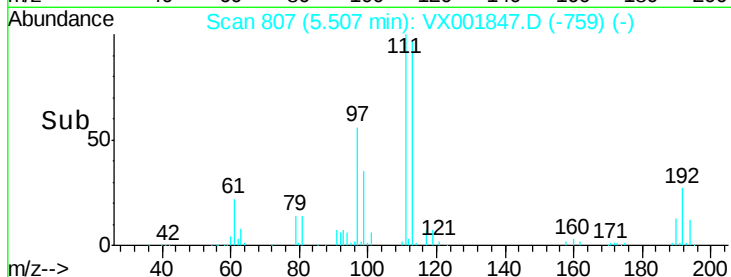
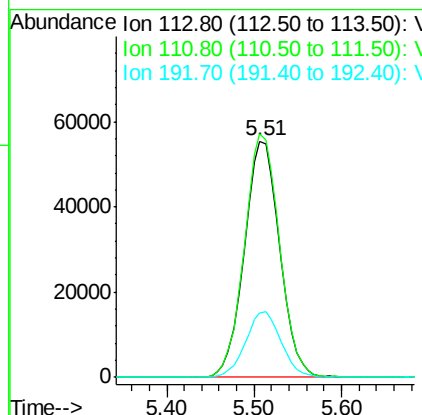
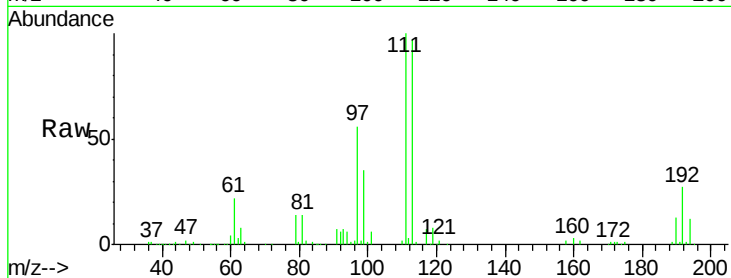
#35
 Dibromofluoromethane
 Concen: 50.14 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.0	123.0	
192	27.9	21.6	32.4	

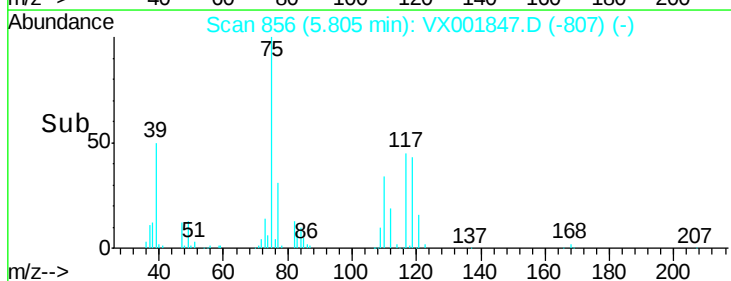
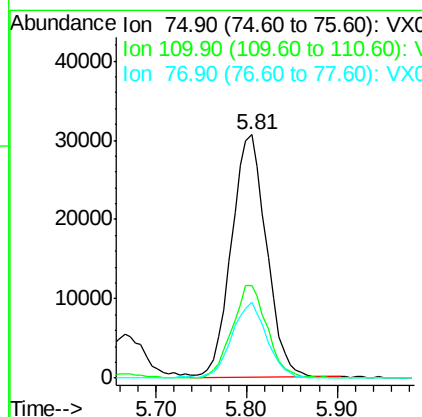
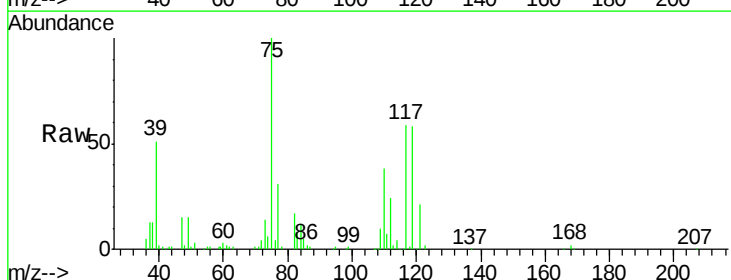
Manual Integrations
 APPROVED

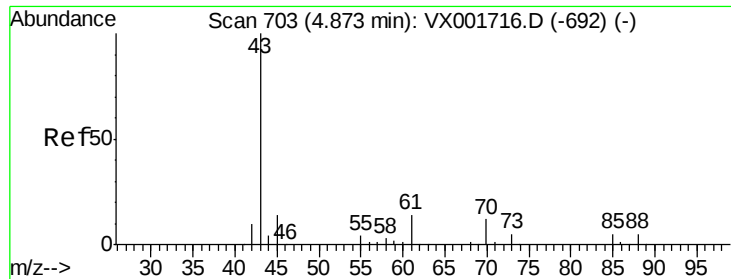
MMDadoda
 5/21/2018 2:40:39 PM



#36
 1,1-Dichloropropene
 Concen: 19.27 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.4	19.1	57.1	
77	30.8	24.6	37.0	





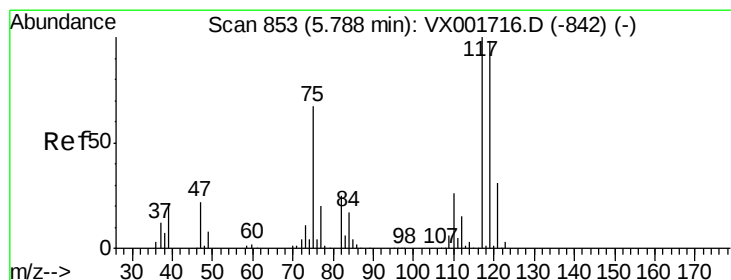
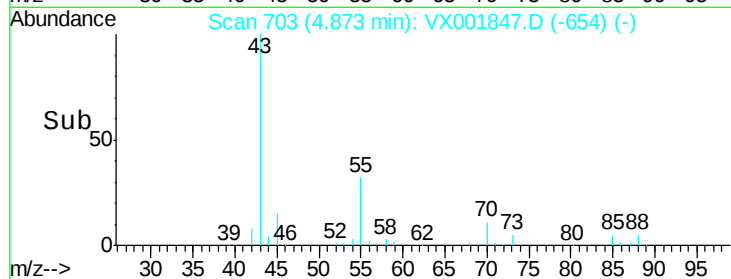
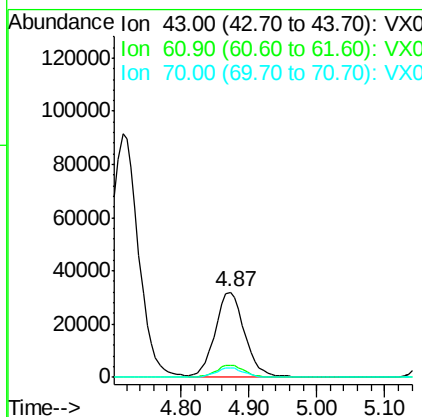
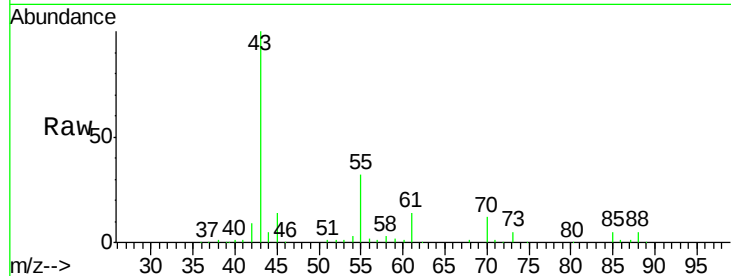
#37
Ethyl Acetate
Concen: 21.70 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.2	8.8	13.2

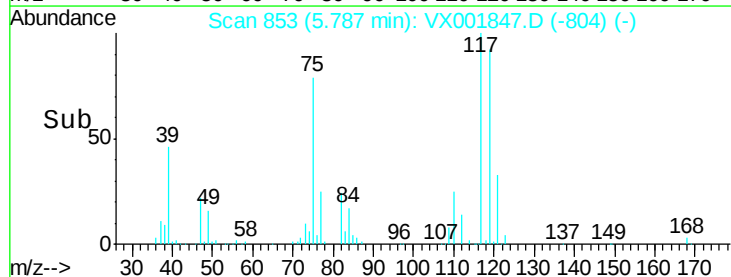
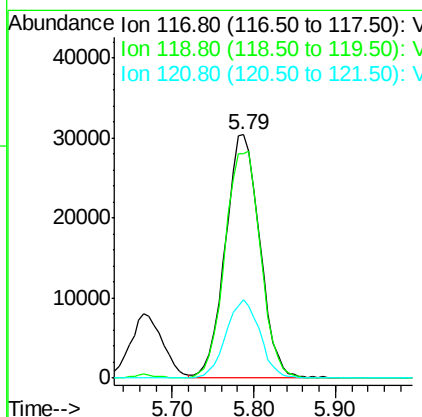
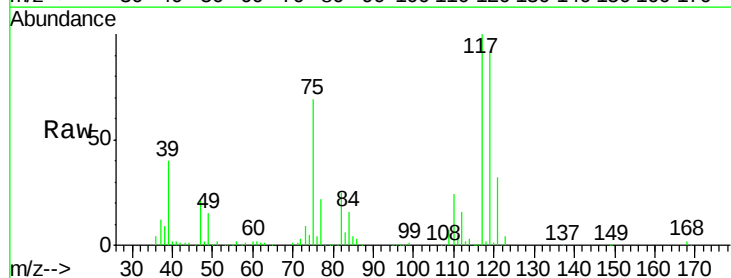
Manual Integrations
APPROVED

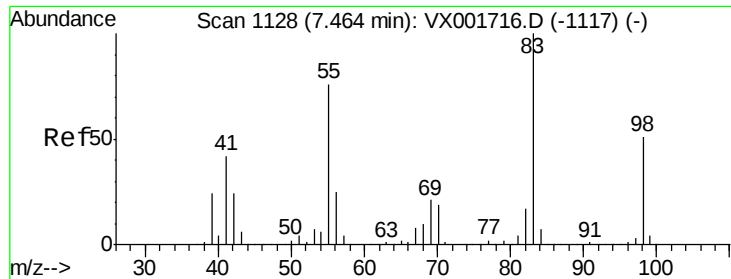
MMDadoda
5/21/2018 2:40:39 PM



#38
Carbon Tetrachloride
Concen: 19.97 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.6	116.4
121	32.3	24.6	36.8





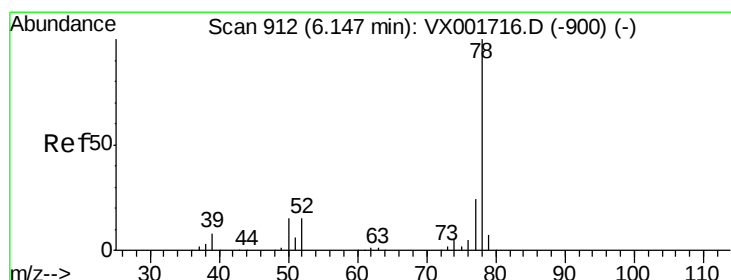
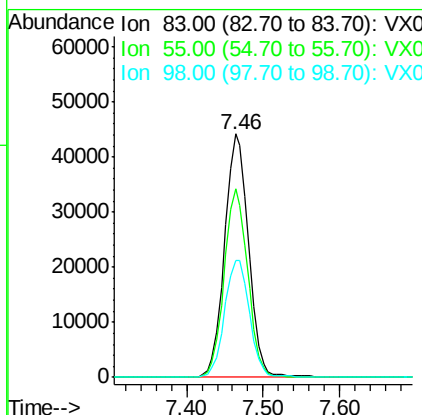
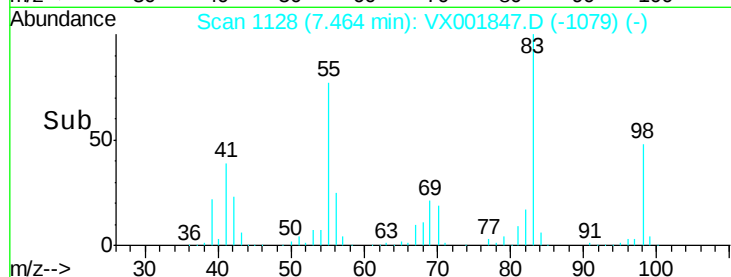
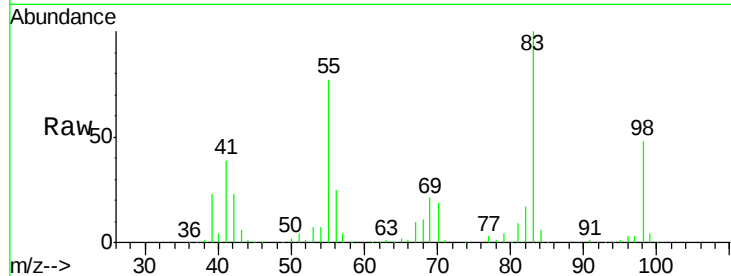
#39
Methvlcvclohexane
Concen: 19.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	83	Resp	95747
Ion Ratio	100	Lower	Upper
83	100		
55	77.2	60.6	90.8
98	48.0	40.4	60.6

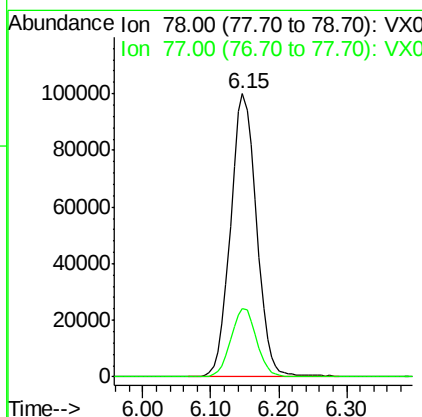
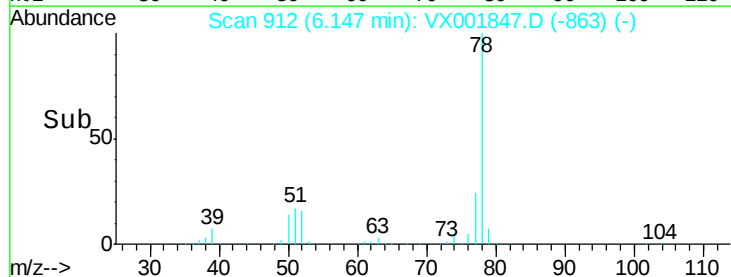
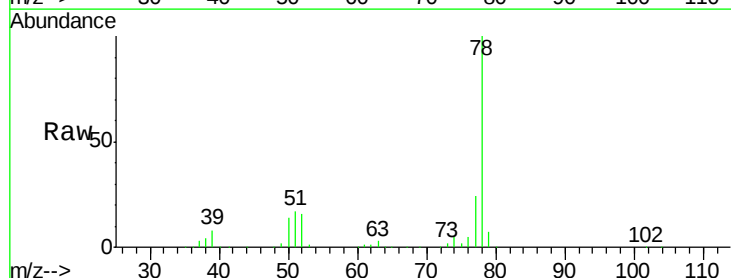
Manual Integrations
APPROVED

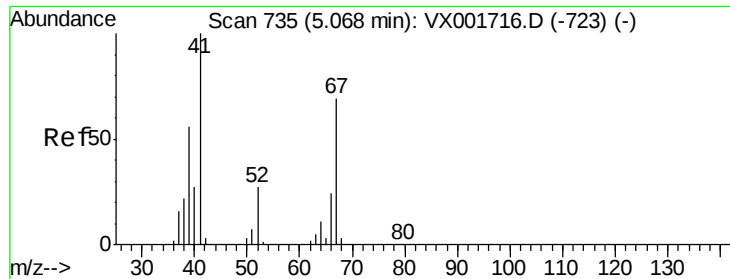
MMDadoda
5/21/2018 2:40:39 PM



#40
Benzene
Concen: 21.27 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	78	Resp	265869
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.0	28.4





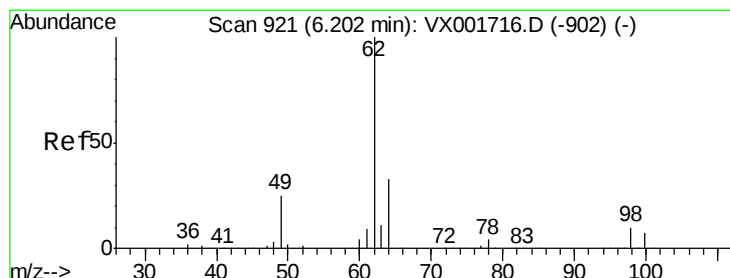
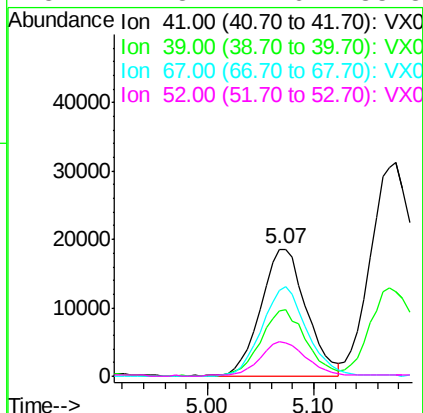
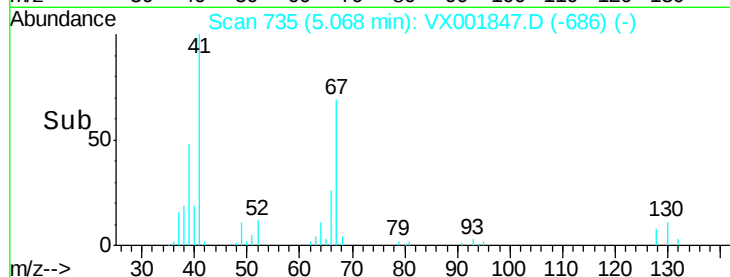
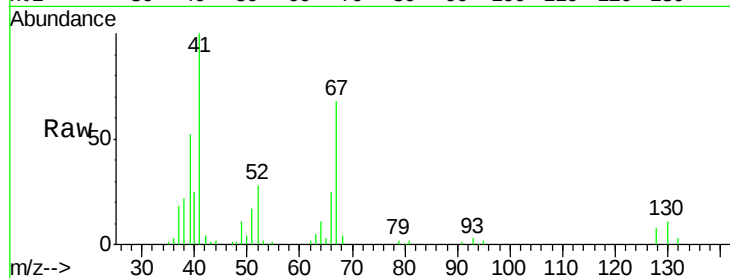
#41
Methacrylonitrile
Concen: 21.55 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	44.2	66.4	
67	70.5	56.0	84.0	
52	27.8	22.6	33.8	

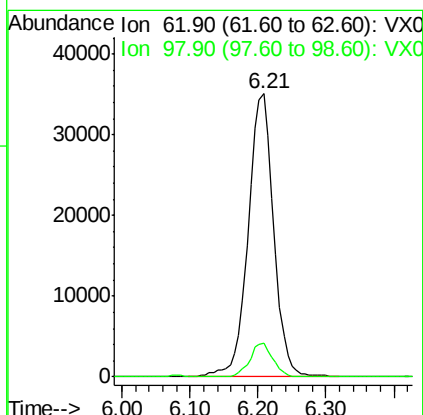
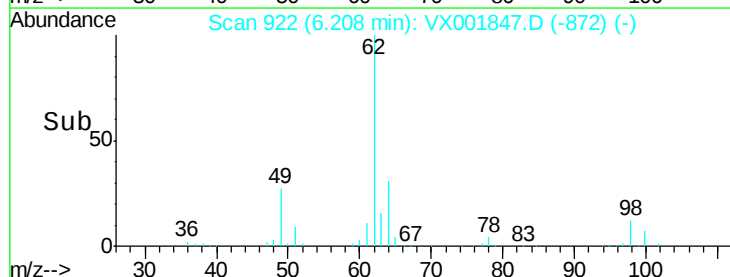
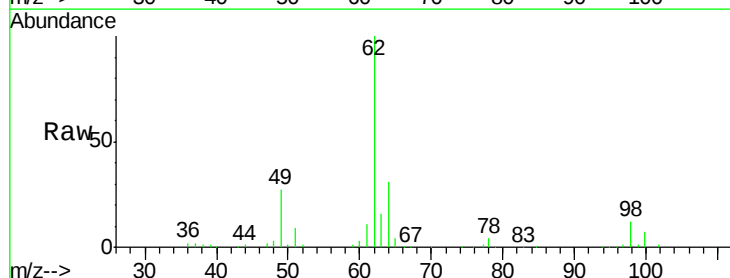
Manual Integrations
APPROVED

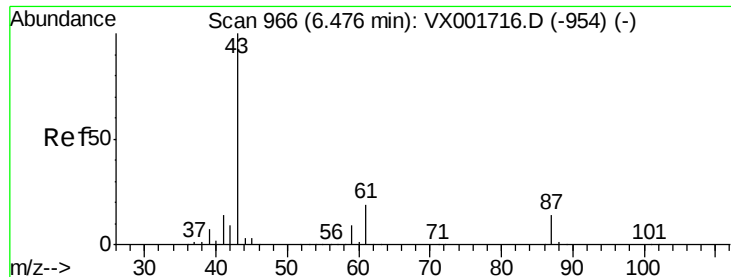
MMDadoda
5/21/2018 2:40:39 PM



#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.0	





#43

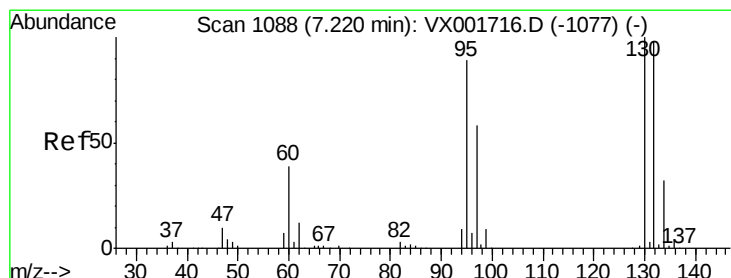
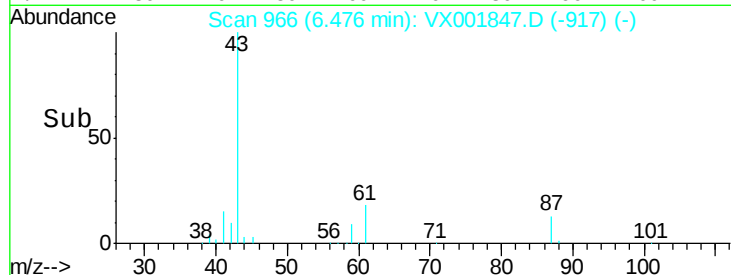
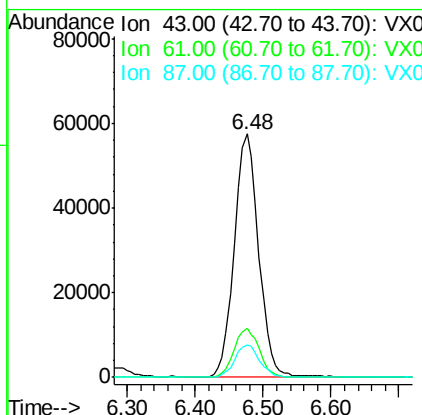
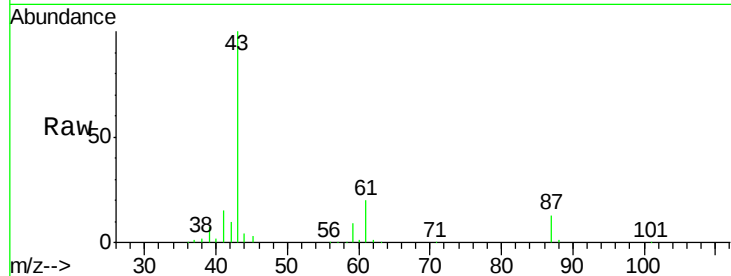
Isopropyl Acetate
 Concen: 20.66 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	15.8	23.8
87	13.6	11.0	16.4

Manual Integrations
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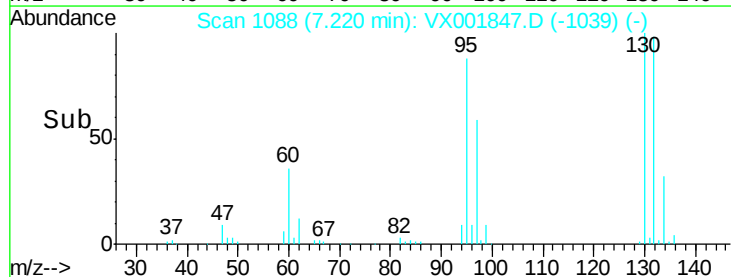
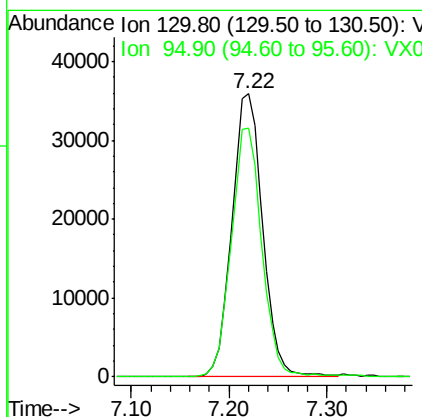
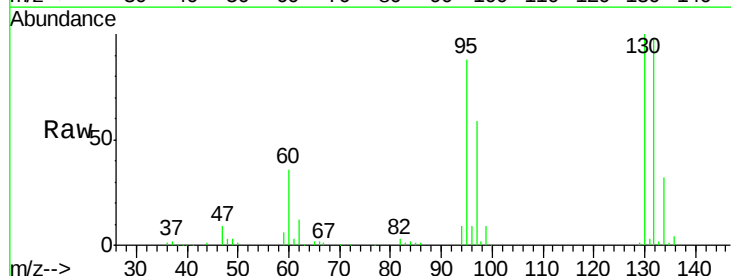
MMDadoda
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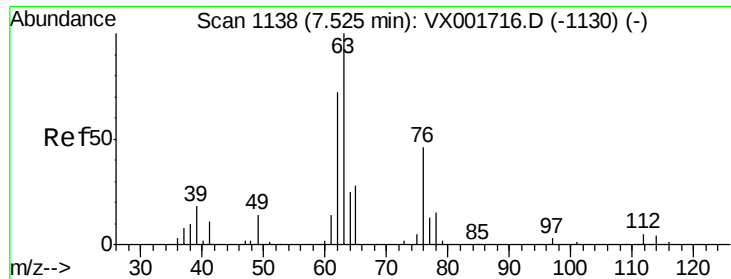


#44

Trichloroethene
 Concen: 20.21 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	177.2





#45

1,2-Dichloropropane

Concen: 21.50 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion: 63 Resp: 65943

Ion Ratio Lower Upper

63 100

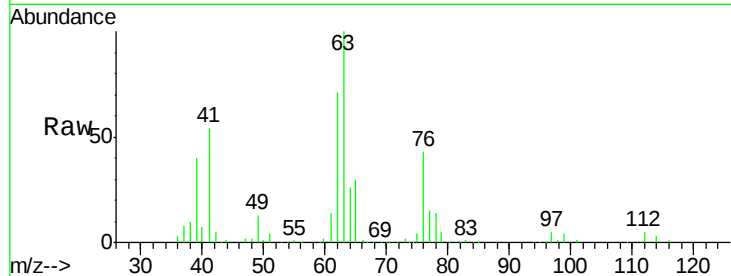
65 29.8 24.2 36.2

Manual Integrations

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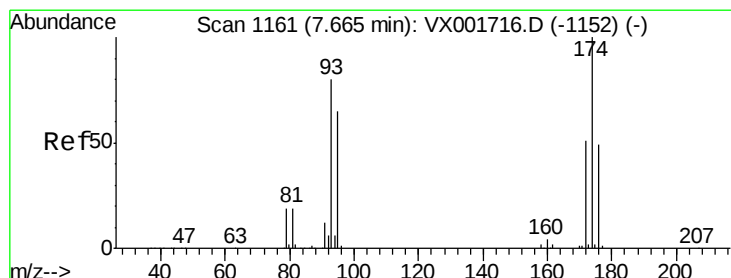
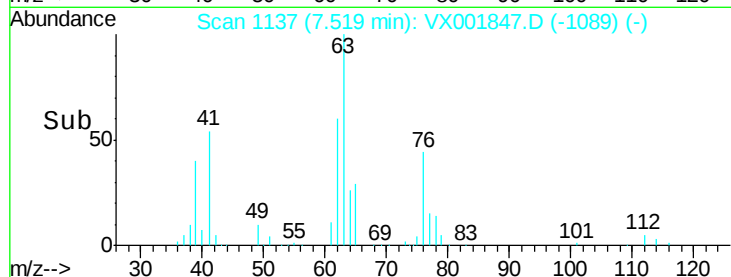
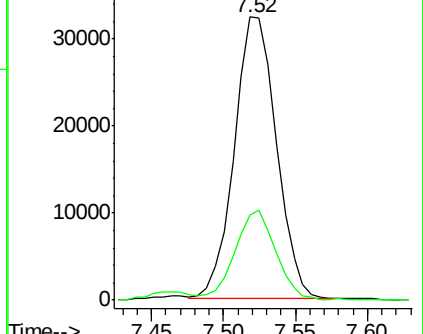
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.81 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

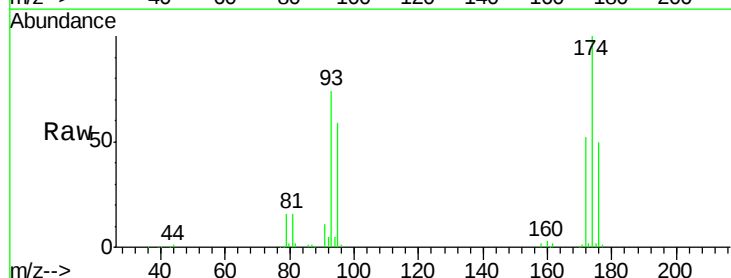
Tgt Ion: 93 Resp: 44817

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

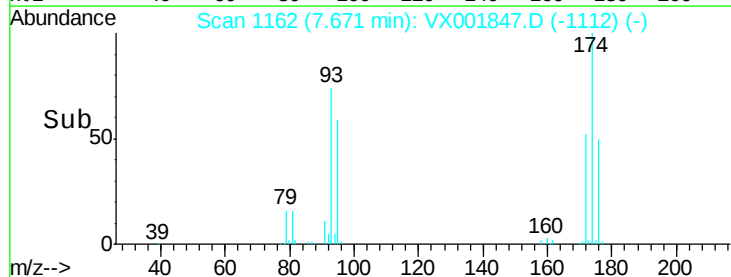
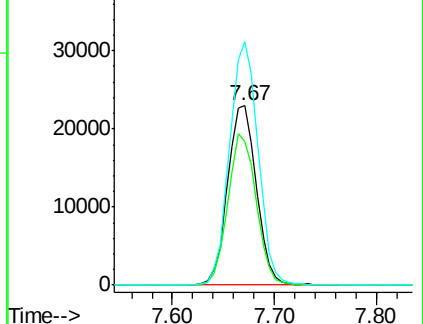
174 134.6 106.2 159.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.87 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

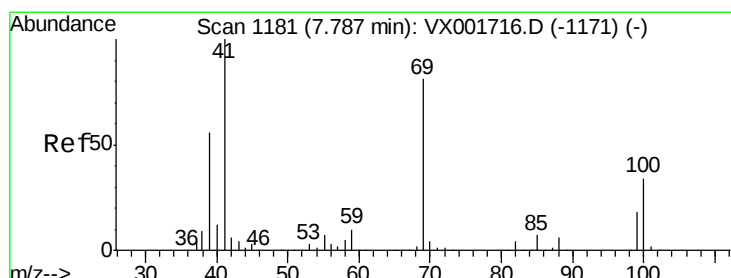
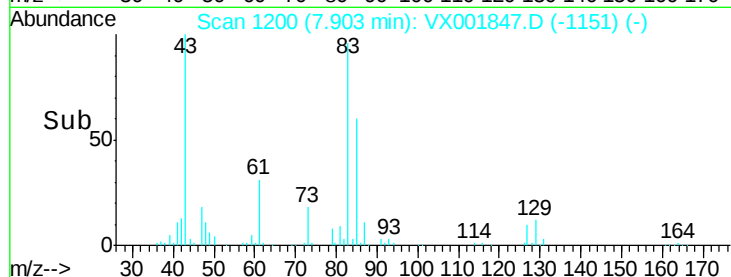
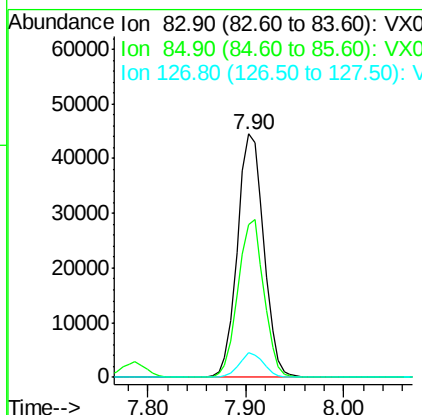
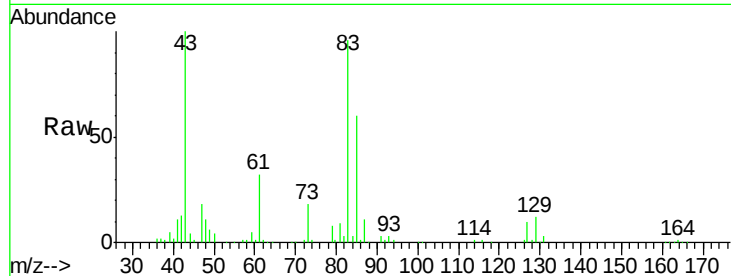
ClientSampleId :

VX0518WBS02

Tot Ion:	83	Resp:	83414
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.6	74.4
127	10.0	7.5	11.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:39 PM



#48

Methyl methacrylate

Concen: 20.77 ug/l

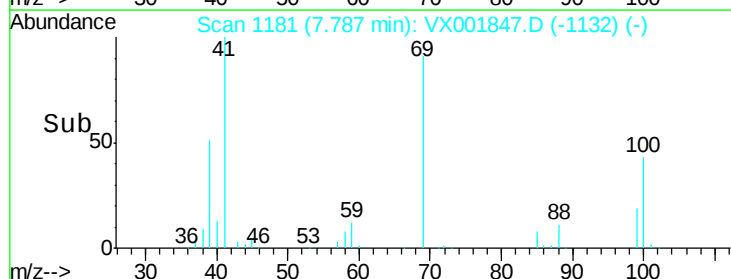
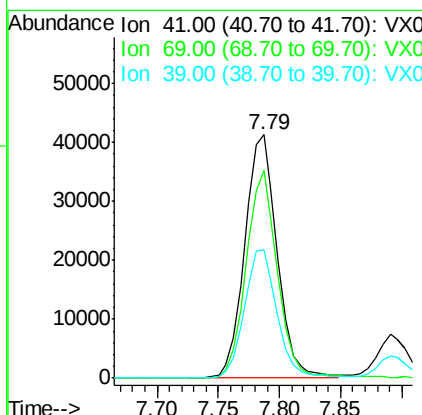
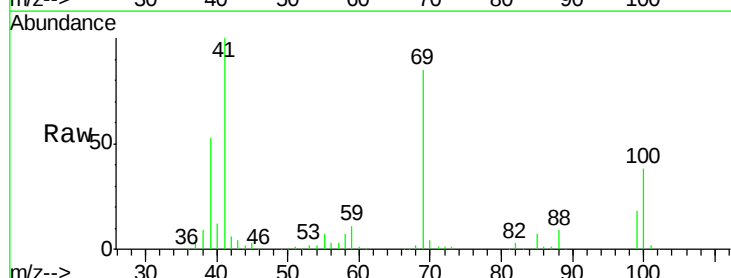
RT: 7.79 min Scan# 1181

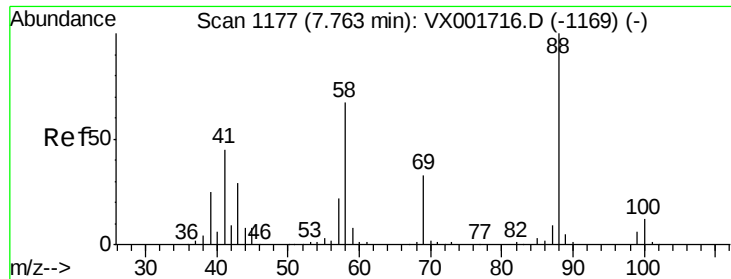
Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion:	41	Resp:	75626
Ion	Ratio	Lower	Upper
41	100		
69	83.1	65.2	97.8
39	52.7	44.5	66.7





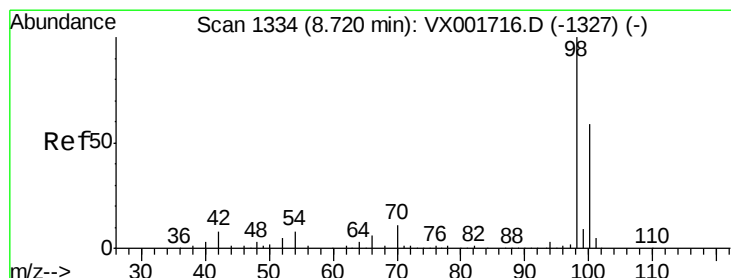
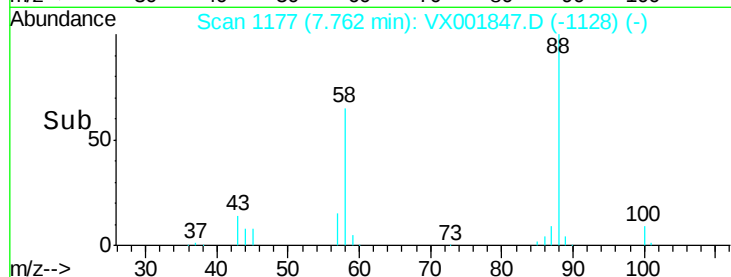
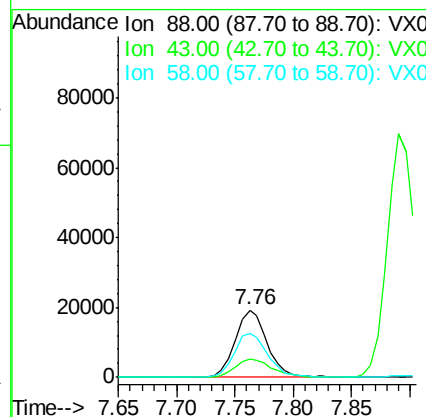
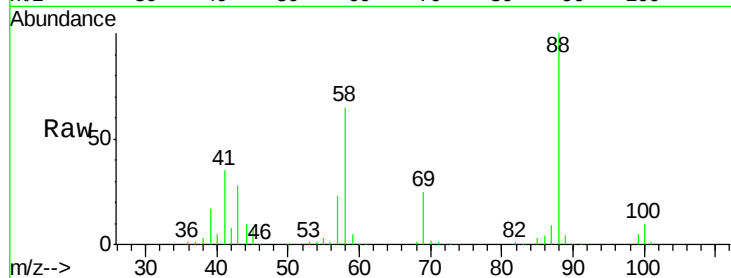
#49
1,4-Dioxane
Concen: 520.62 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.3	40.9
58	69.6	55.9	83.9

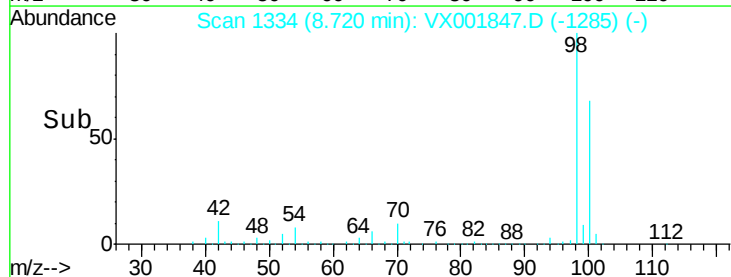
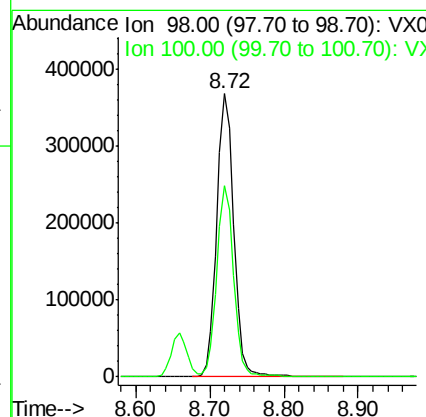
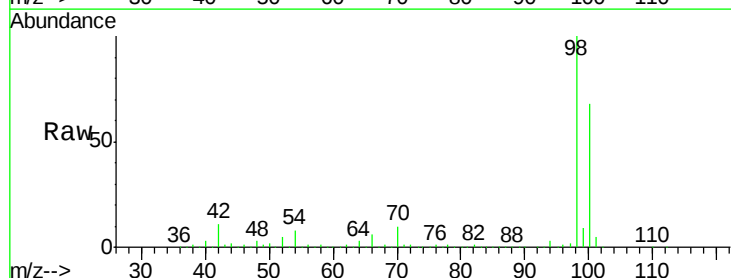
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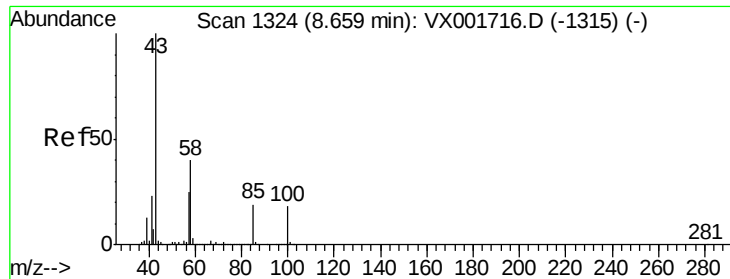
MMDadoda
5/21/2018 2:40:39 PM



#50
Toluene-d8
Concen: 52.01 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.0	81.0





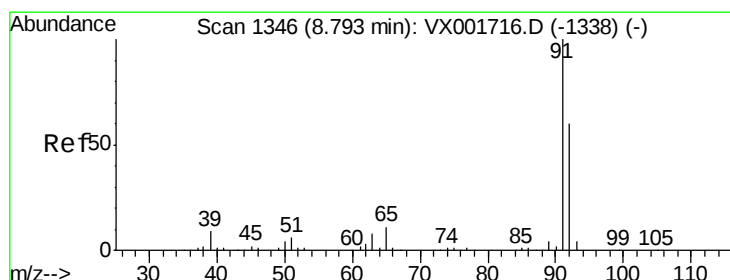
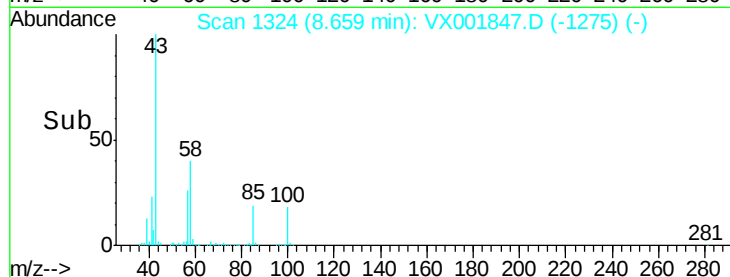
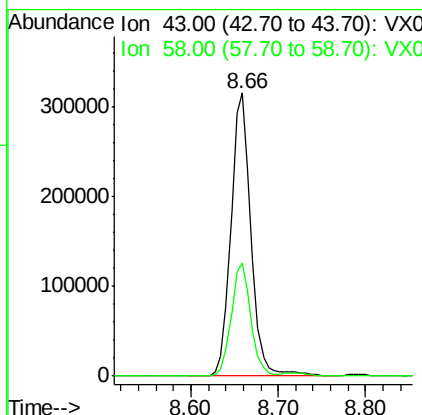
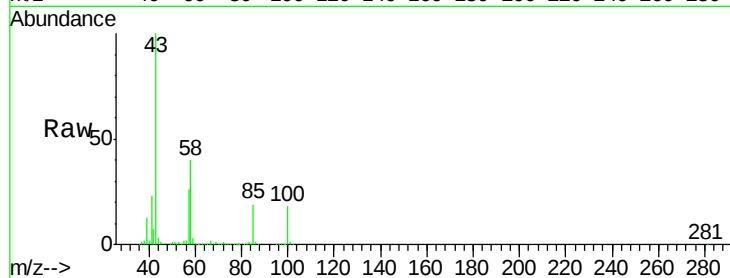
#51
4-Methyl-2-Pentanone
Concen: 115.18 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.0

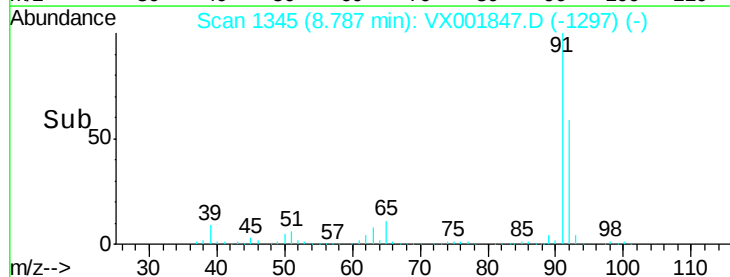
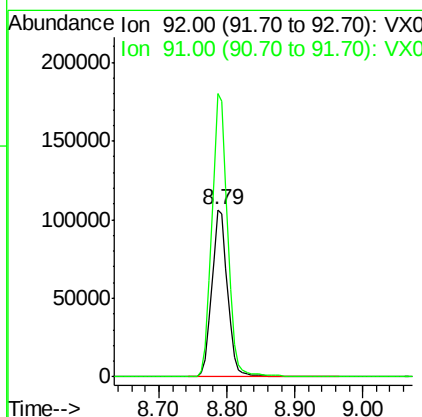
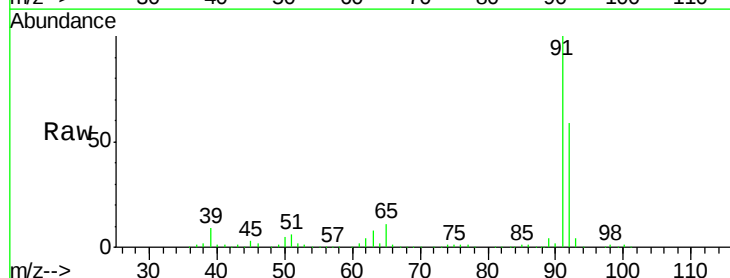
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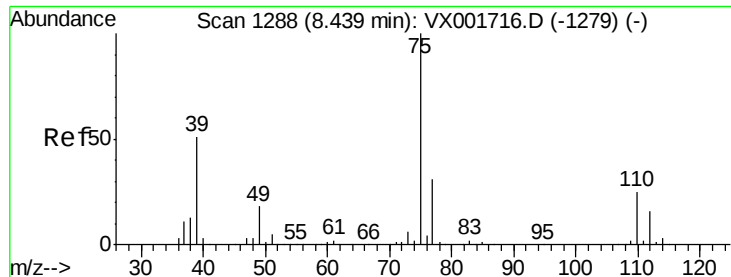
MMDadoda
5/21/2018 2:40:39 PM



#52
Toluene
Concen: 21.25 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	135.5	203.3





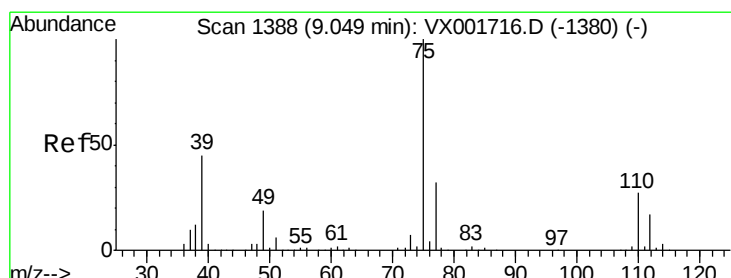
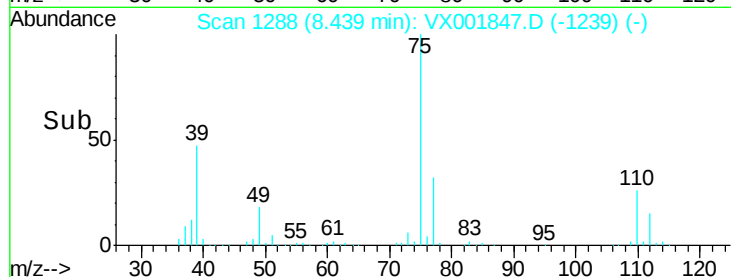
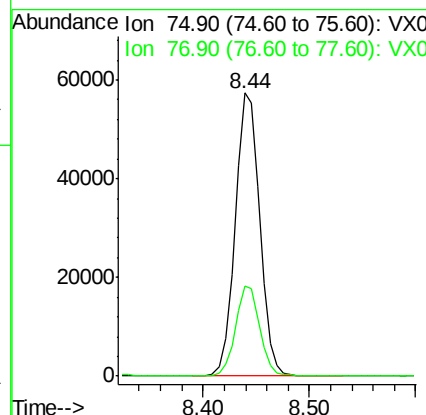
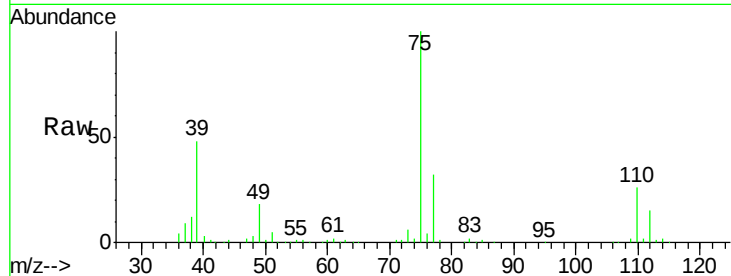
#53
t-1,3-Dichloropropene
Concen: 19.73 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion: 75 Resp: 92774
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

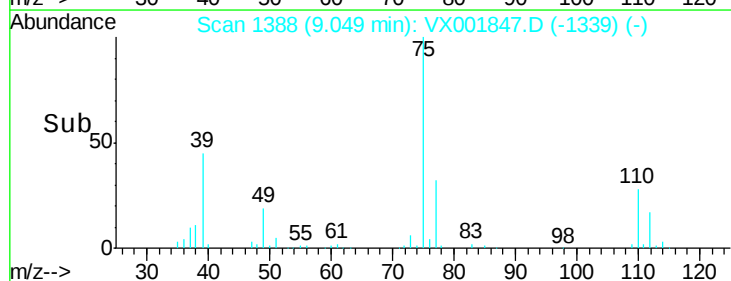
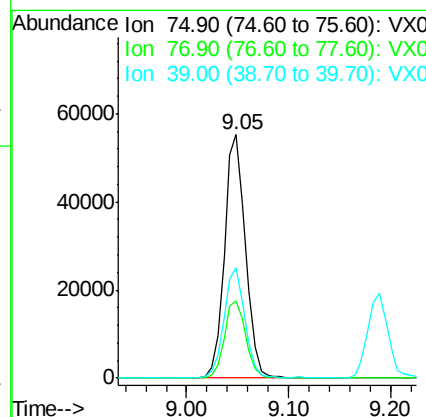
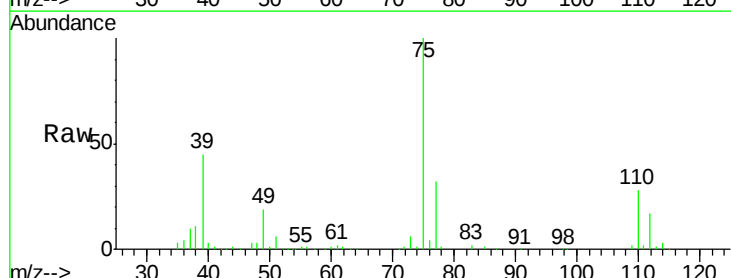
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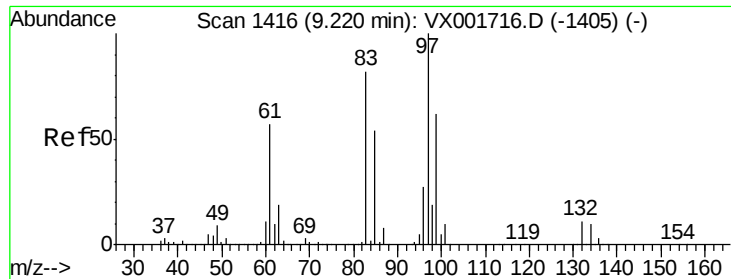
MMDadoda
5/21/2018 2:40:39 PM



#54
cis-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion: 75 Resp: 79332
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 45.1 36.1 54.1





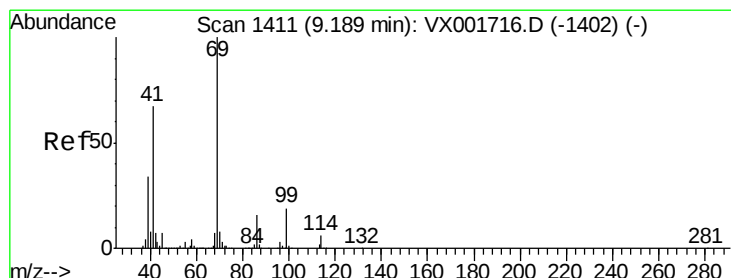
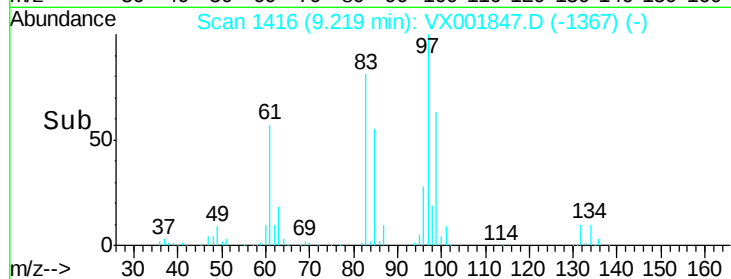
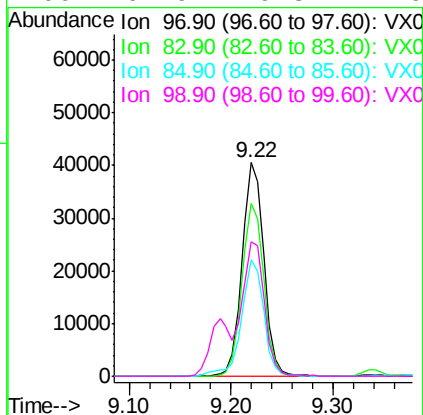
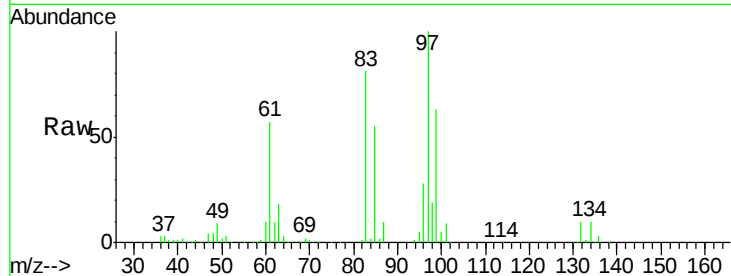
#55
 1,1,2-Trichloroethane
 Concen: 19.43 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Tot Ion:	97	Resp:	59648
Ion	Ratio	Lower	Upper
97	100		
83	81.0	65.8	98.8
85	54.8	43.4	65.0
99	62.9	49.8	74.6

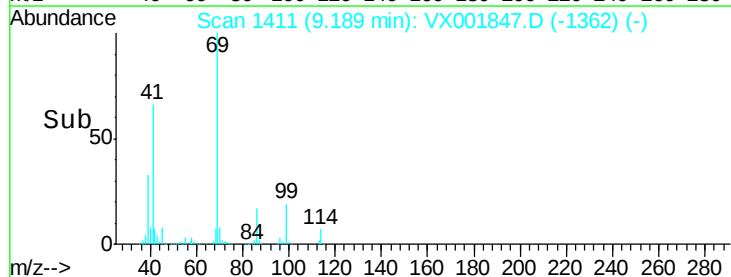
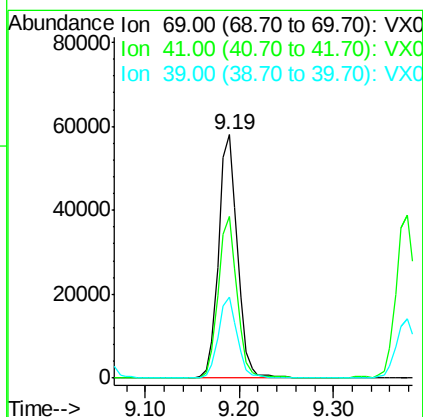
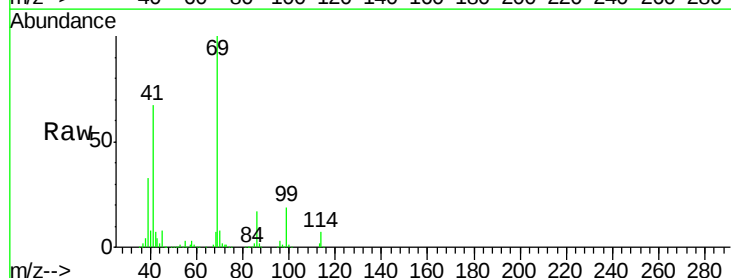
Manual Integrations
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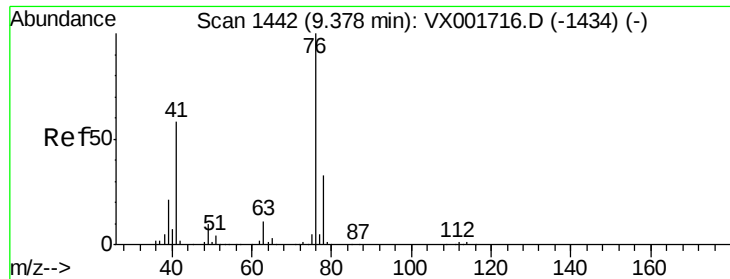
MMDadoda
 5/21/2018 2:40:39 PM



#56
 Ethyl methacrylate
 Concen: 18.52 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion:	69	Resp:	80643
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.5	80.3
39	33.2	27.2	40.8





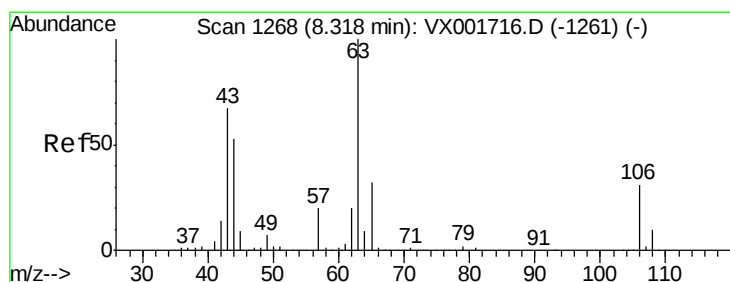
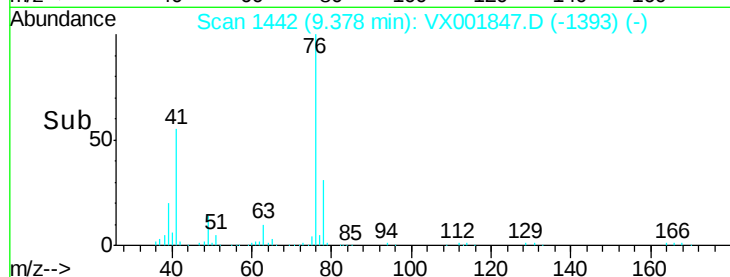
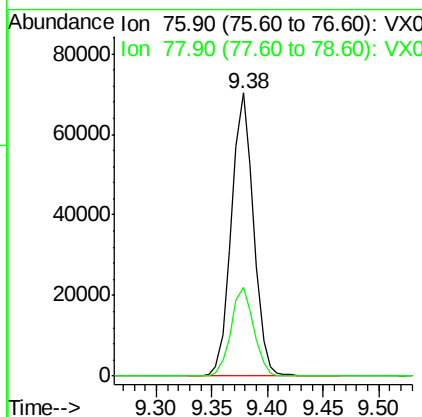
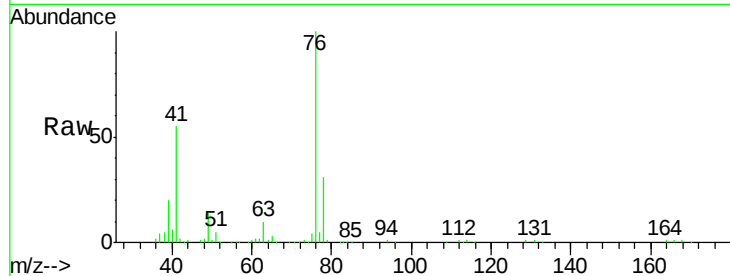
#57
 1,3-Dichloropropane
 Concen: 18.85 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Tot Ion: 76 Resp: 96872
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

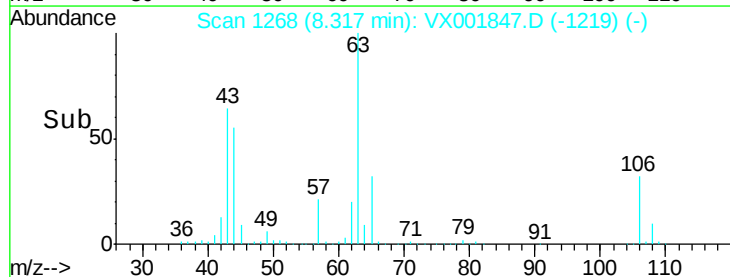
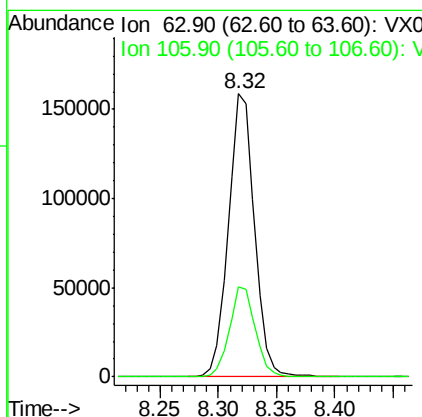
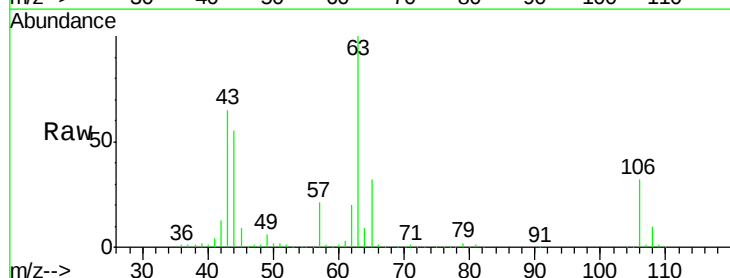
Manual Integrations
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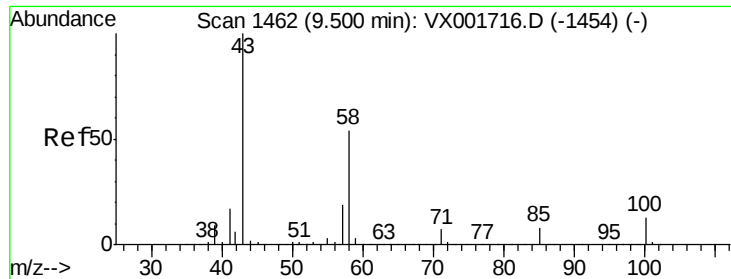
MMDadoda
 5/21/2018 2:40:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.17 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion: 63 Resp: 246694
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.1 37.7





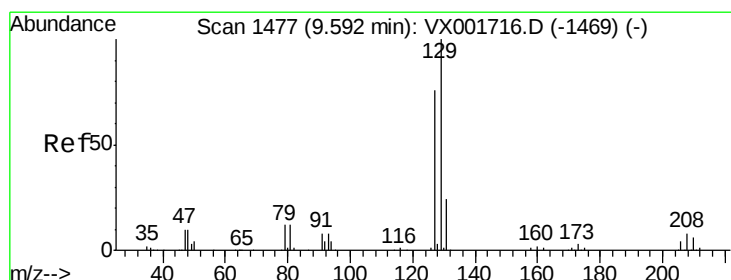
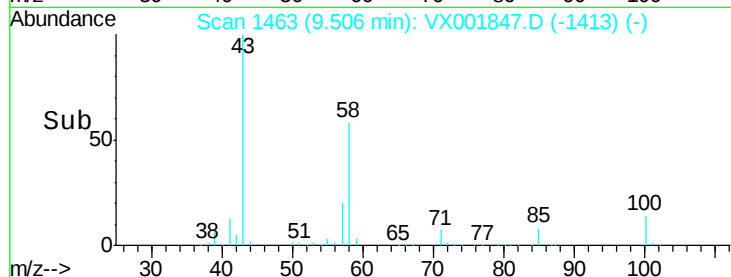
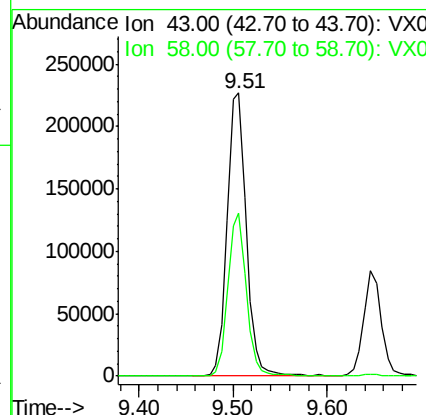
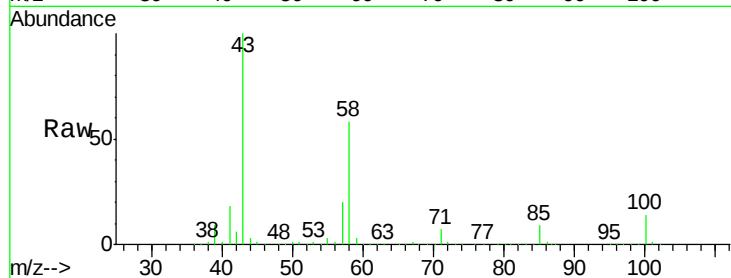
#59
2-Hexanone
Concen: 101.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampled :
VX0518WBS02

Tot Ion: 43 Resp: 319729
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

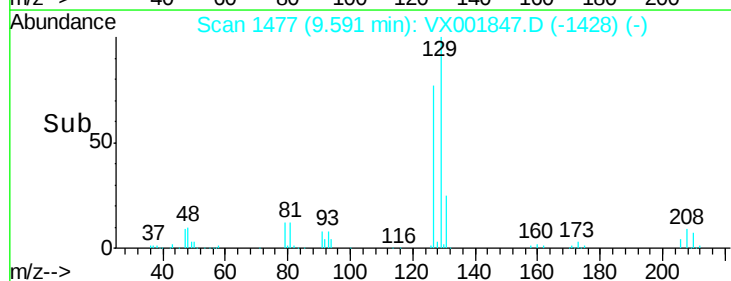
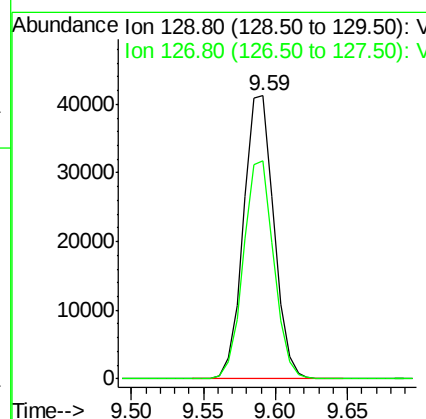
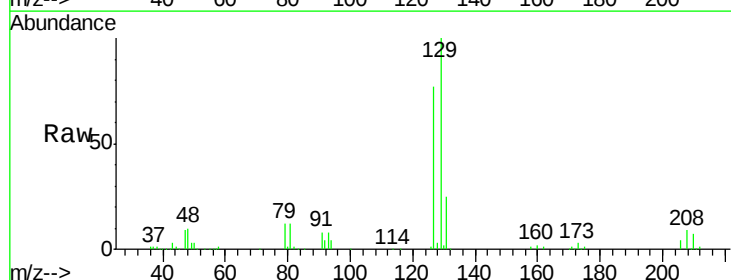
Manual Integrations
APPROVED

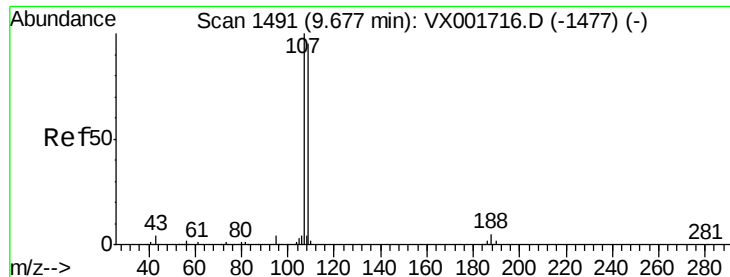
MMDadoda
5/21/2018 2:40:39 PM



#60
Dibromochloromethane
Concen: 19.17 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion: 129 Resp: 60269
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:107 Resp: 61405

Ion Ratio Lower Upper

107 100

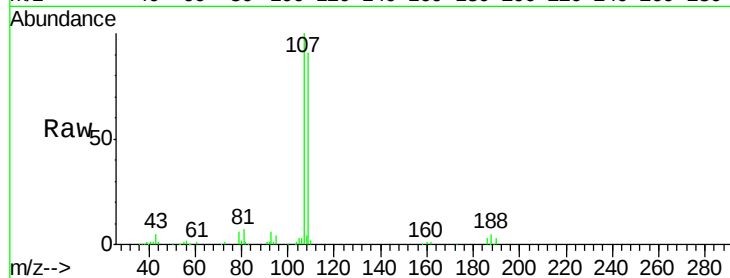
109 94.3 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

5/21/2018 2:40:39 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

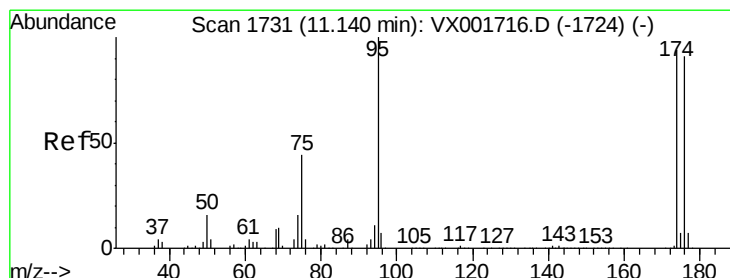
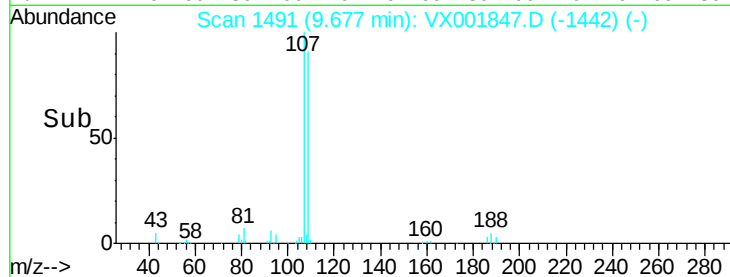
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

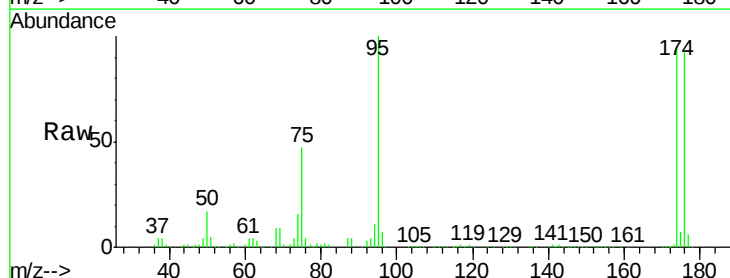
Tgt Ion: 95 Resp: 172772

Ion Ratio Lower Upper

95 100

174 103.4 0.0 201.8

176 101.2 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

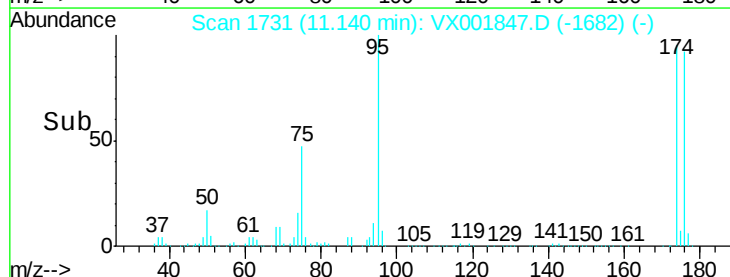
150000

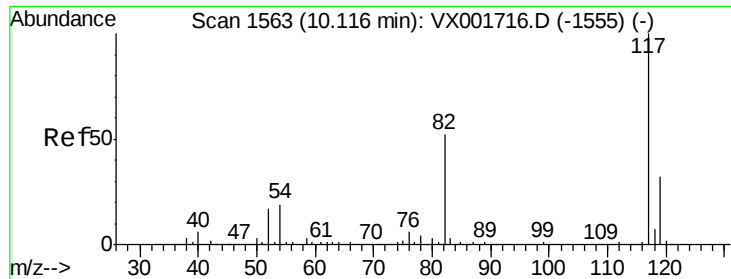
100000

50000

0

Time-->





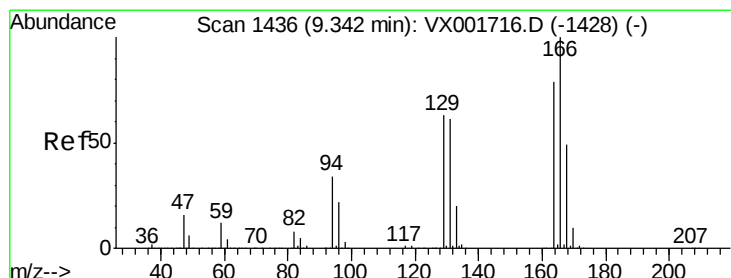
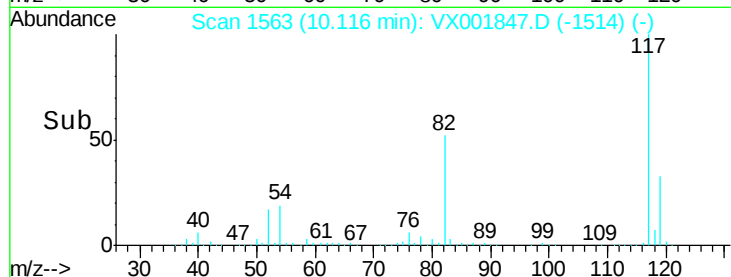
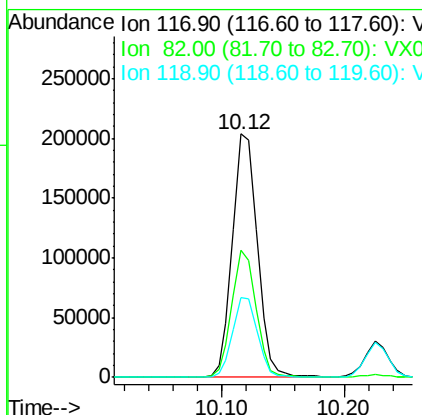
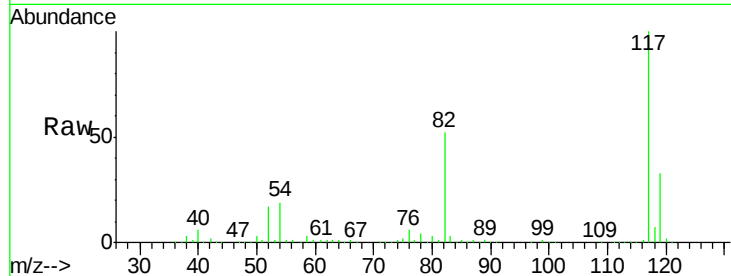
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.4	62.2
119	32.6	25.6	38.4

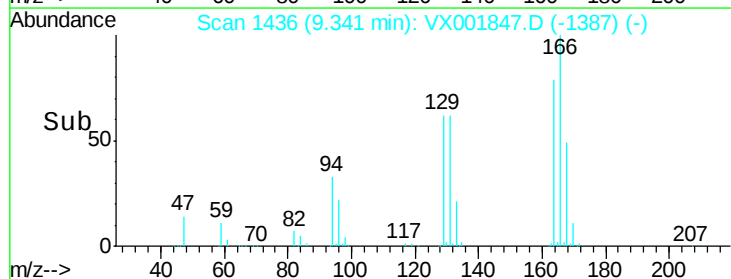
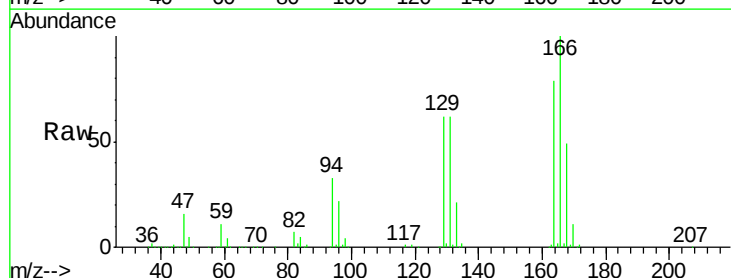
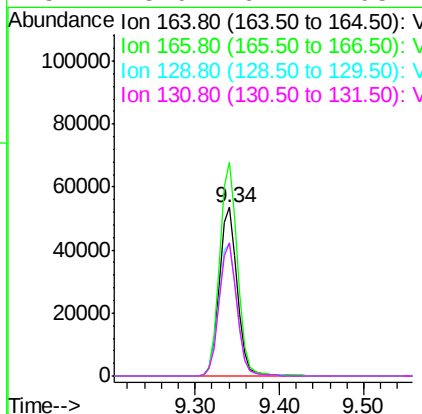
Manual Integrations
APPROVED

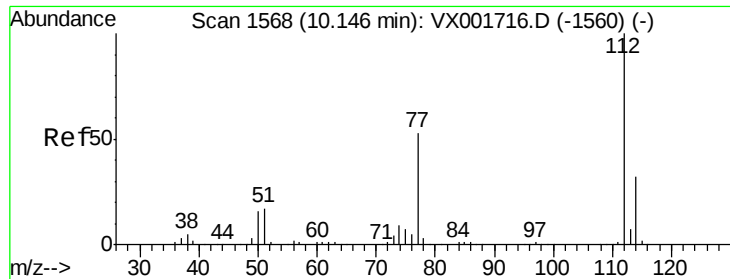
MMDadoda
5/21/2018 2:40:39 PM



#64
Tetrachloroethene
Concen: 21.07 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.8	152.8
129	79.2	63.8	95.6
131	78.9	62.2	93.2





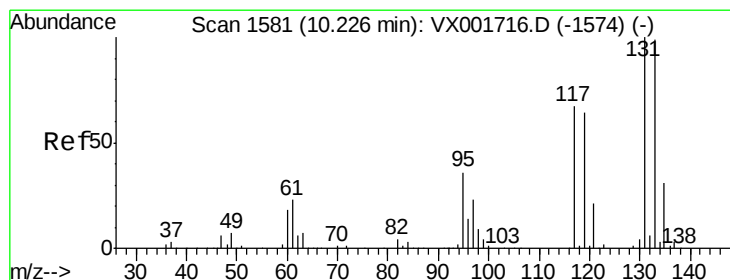
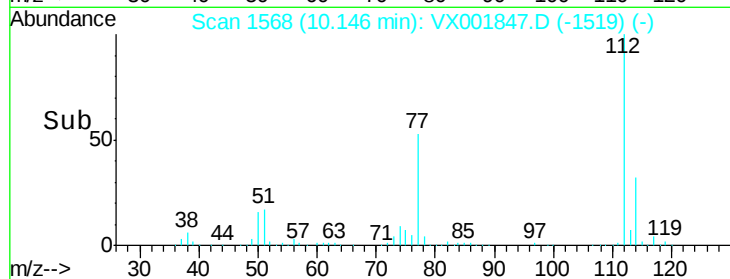
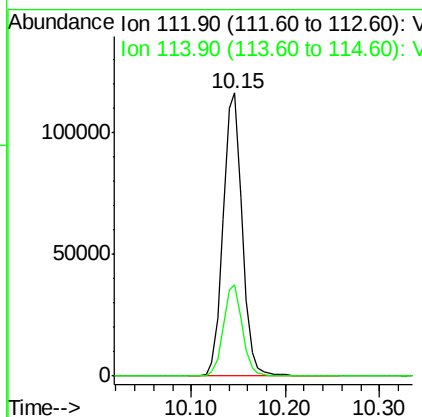
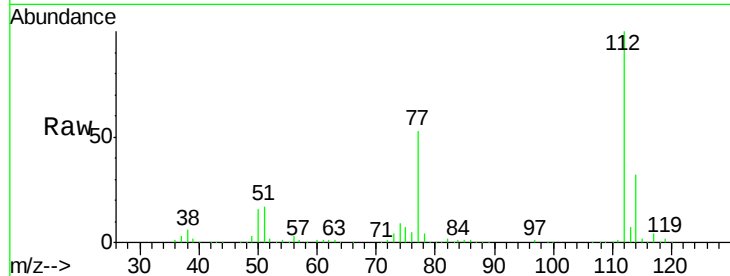
#65
Chlorobenzene
Concen: 20.53 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampled :
VX0518WBS02

Tot Ion:112 Resp: 162870
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

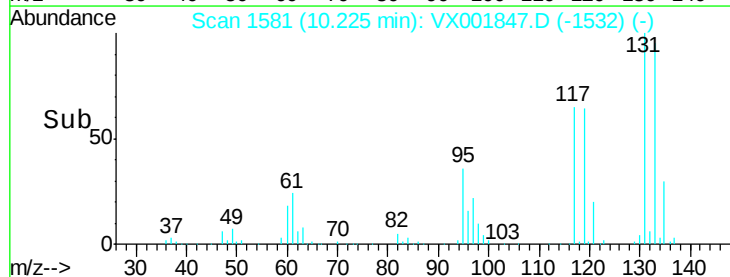
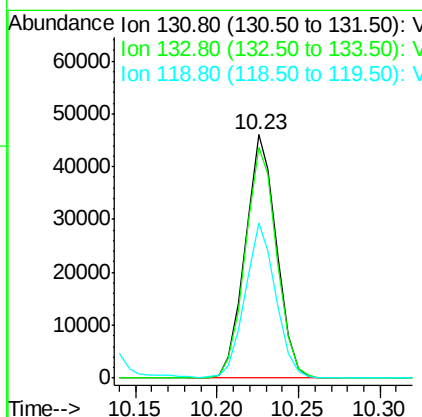
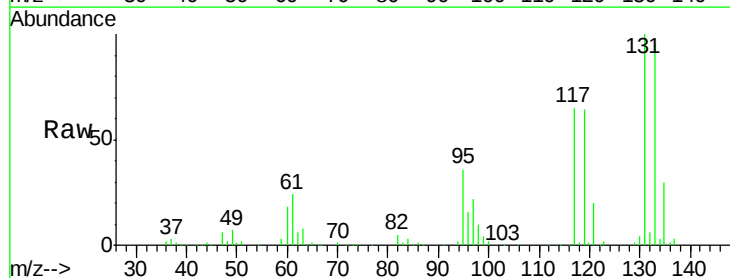
Manual Integrations
APPROVED

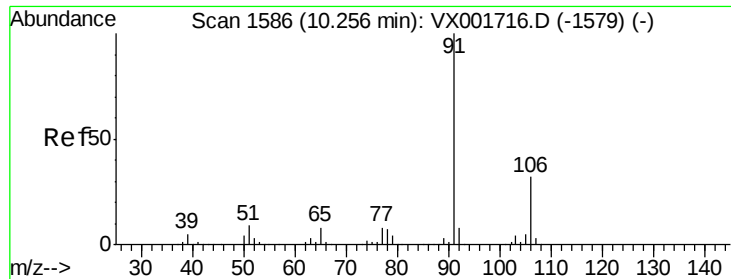
MMDadoda
5/21/2018 2:40:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.91 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion:131 Resp: 61393
Ion Ratio Lower Upper
131 100
133 95.6 48.5 145.6
119 62.6 31.9 95.5





#67

Ethyl Benzene

Concen: 20.55 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion: 91 Resp: 260572

Ion Ratio Lower Upper

91 100

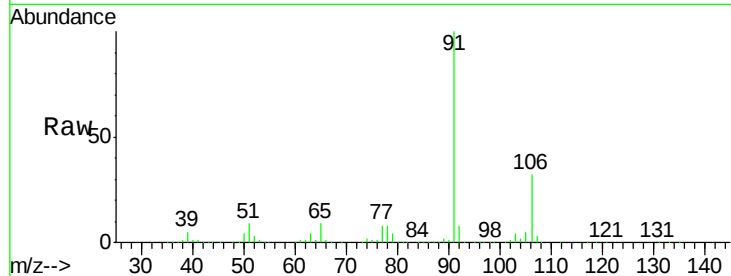
106 31.9 25.7 38.5

Manual Integrations

APPROVED

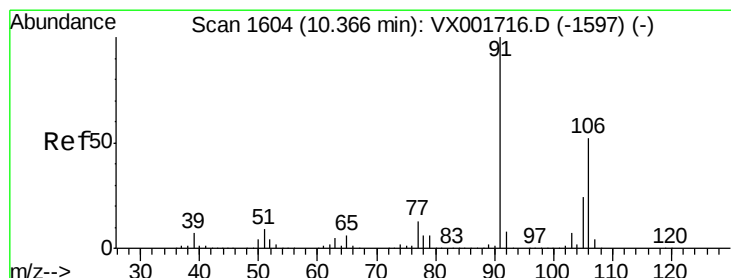
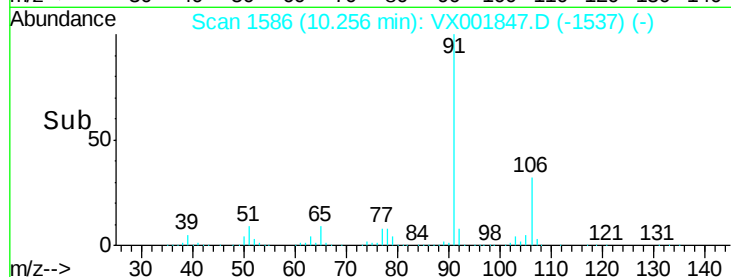
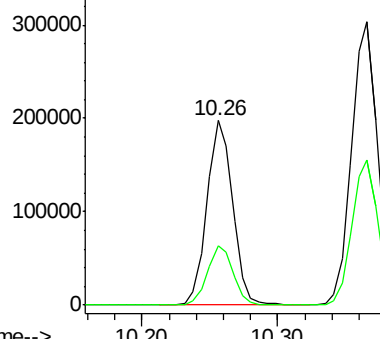
MMDadoda

5/21/2018 2:40:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.54 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001847.D

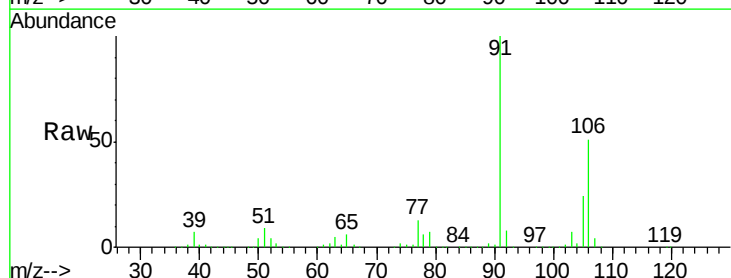
Acq: 19 May 2018 01:34

Tgt Ion: 106 Resp: 207785

Ion Ratio Lower Upper

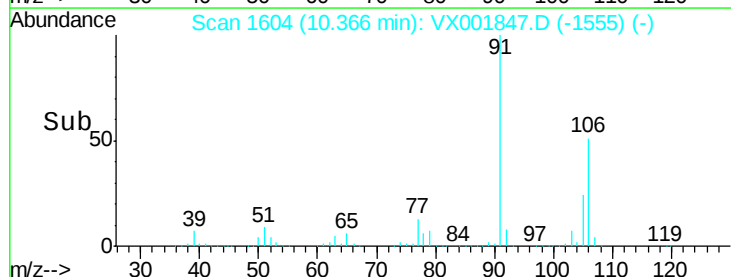
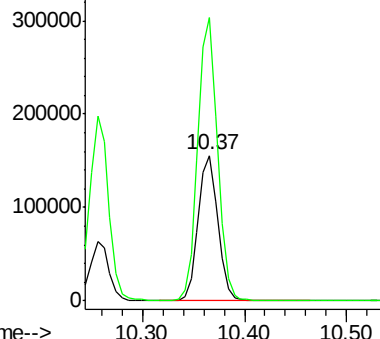
106 100

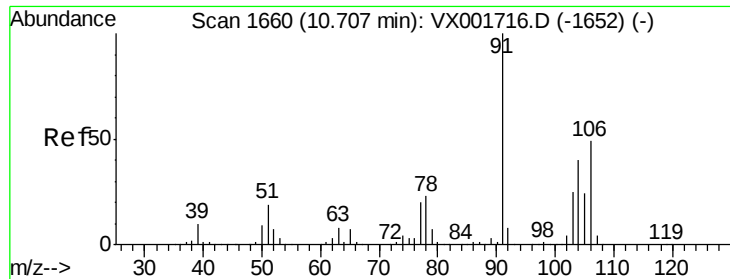
91 194.9 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





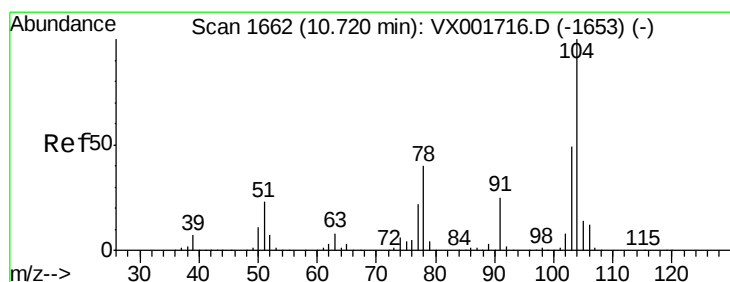
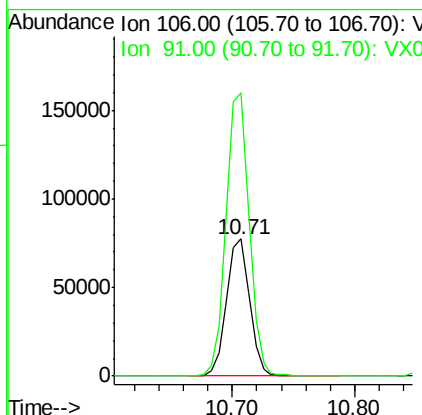
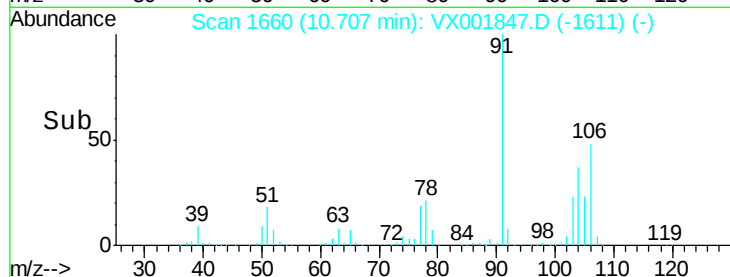
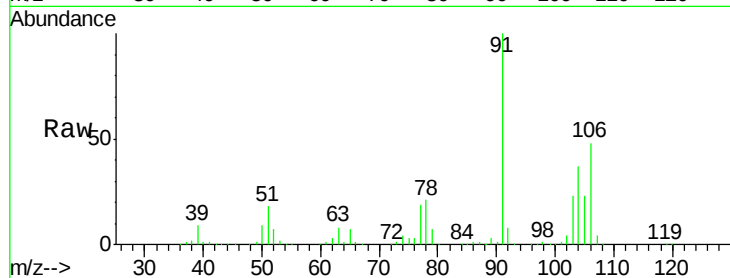
#69
o-Xylene
Concen: 21.13 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampled :
VX0518WBS02

Tot Ion:106 Resp: 101224
Ion Ratio Lower Upper
106 100
91 207.5 103.4 310.2

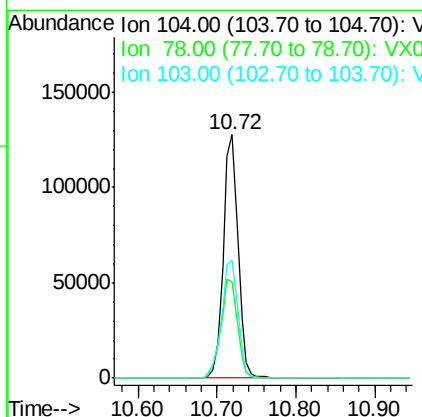
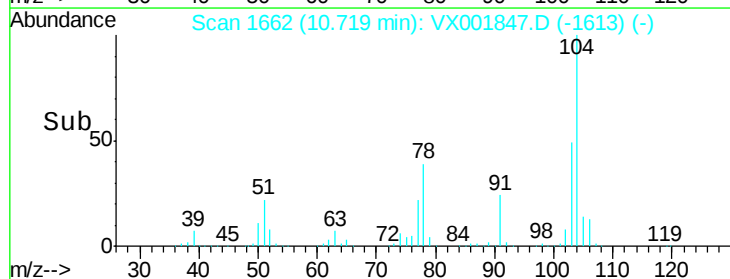
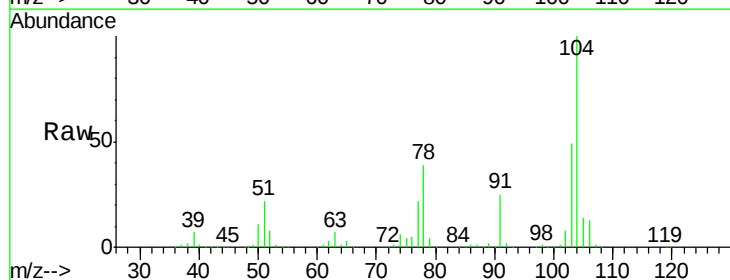
Manual Integrations
APPROVED

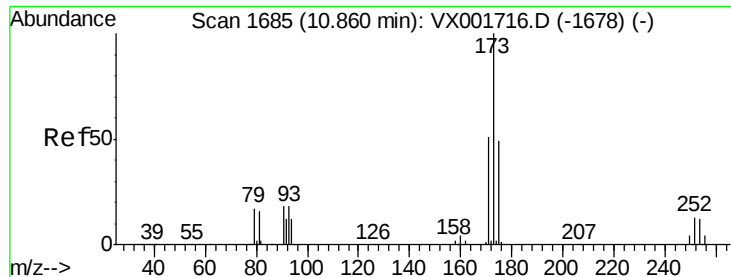
MMDadoda
5/21/2018 2:40:39 PM



#70
Styrene
Concen: 21.12 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion:104 Resp: 166844
Ion Ratio Lower Upper
104 100
78 46.2 37.3 55.9
103 54.2 43.7 65.5





#71

Bromoform

Concen: 20.52 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

VX0518WBS02

Tot Ion:173 Resp: 48739

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

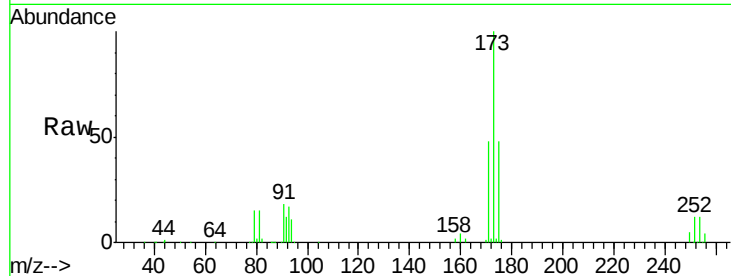
254 0.2 0.2 0.2

Manual Integrations

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MMDadoda

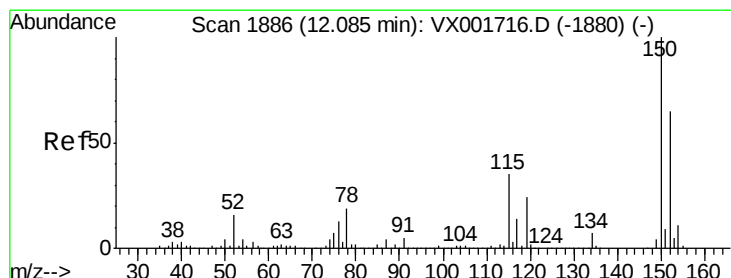
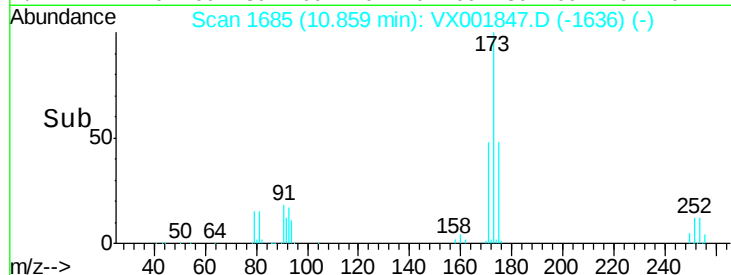
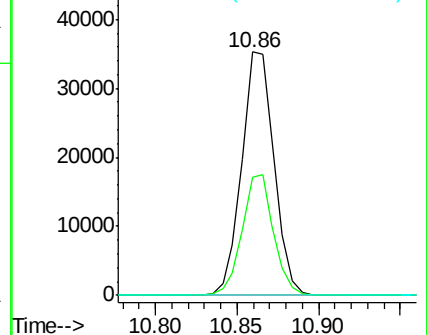
5/21/2018 2:40:39 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

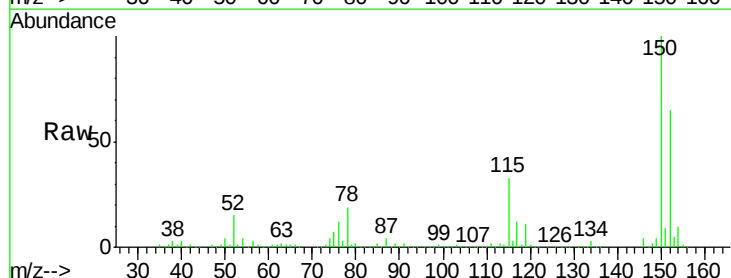
Tgt Ion:152 Resp: 186129

Ion Ratio Lower Upper

152 100

115 61.2 37.4 112.2

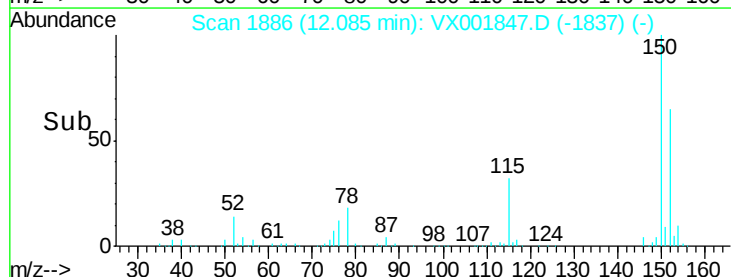
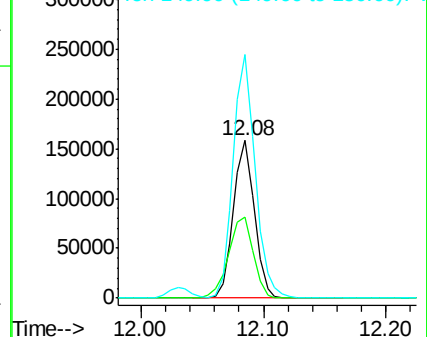
150 162.6 0.0 344.8

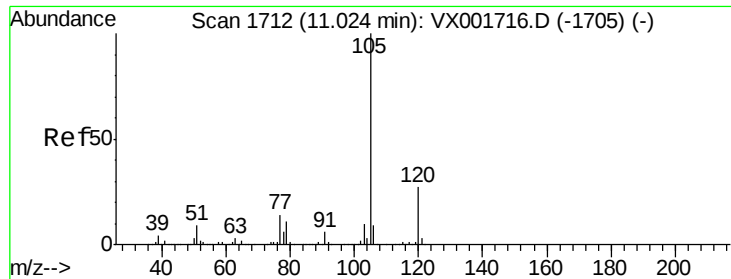


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.41 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:105 Resp: 274703

Ion Ratio Lower Upper

105 100

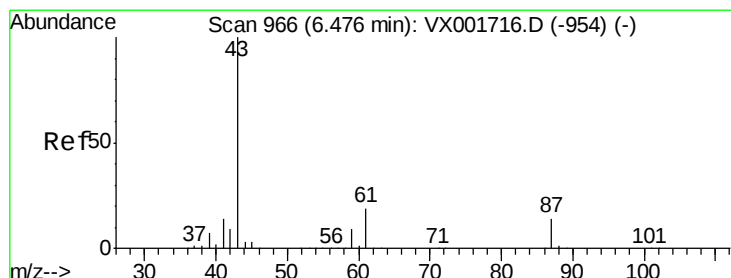
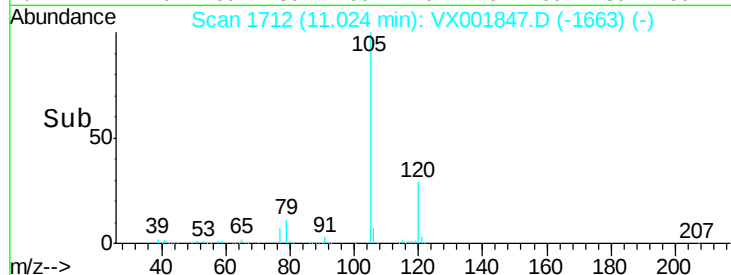
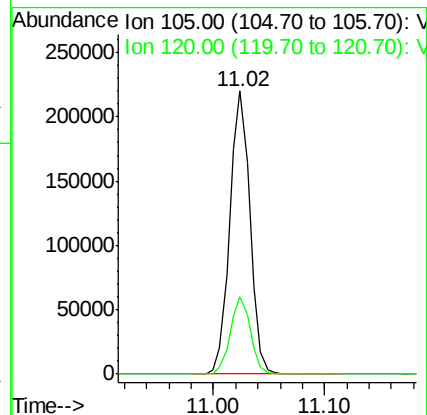
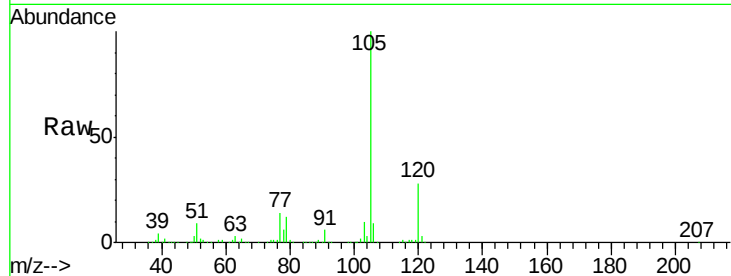
120 27.2 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

5/21/2018 2:40:39 PM



#74

N-ethyl acetate

Concen: 24.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion: 43 Resp: 142954

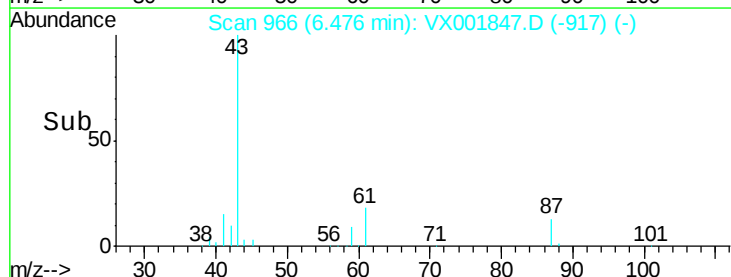
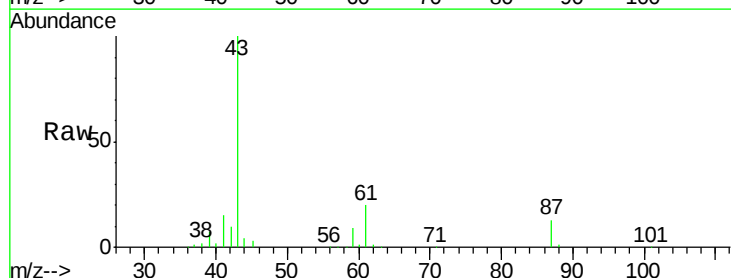
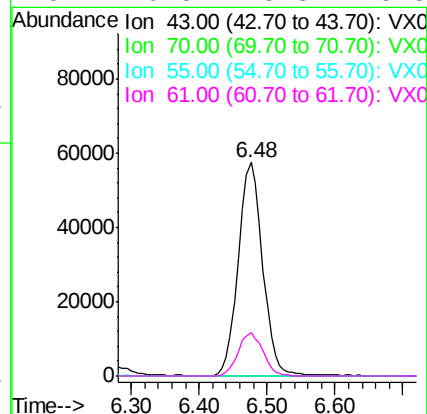
Ion Ratio Lower Upper

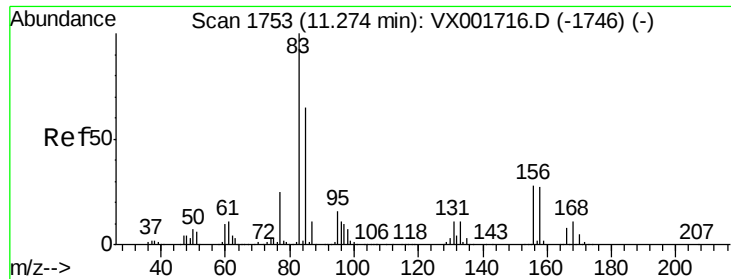
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.8 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.72 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

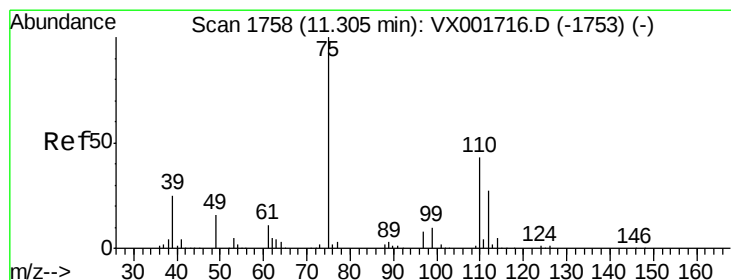
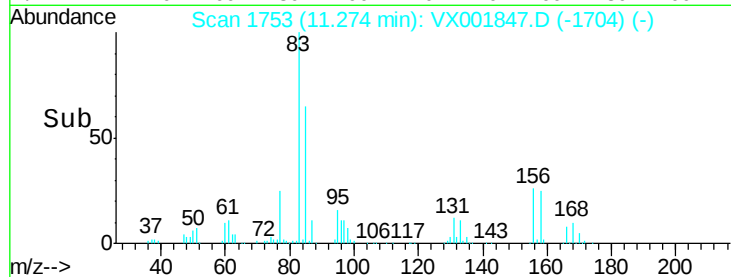
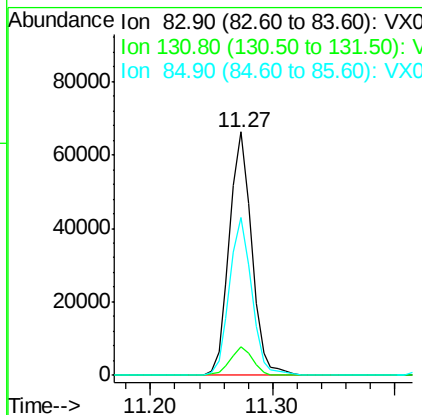
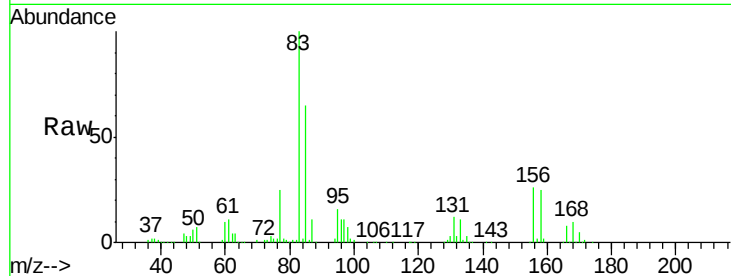
ClientSampleId :

VX0518WBS02

Tot Ion	83	Resp	83538
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.0
85	64.9	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.61 ug/l m

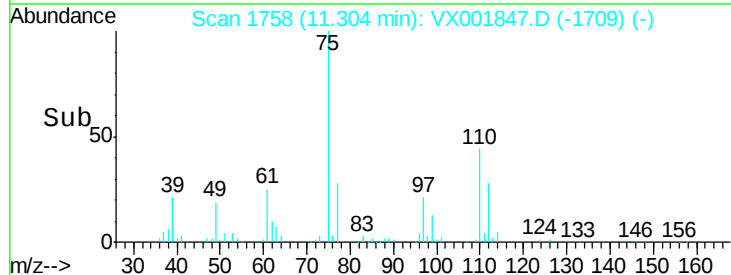
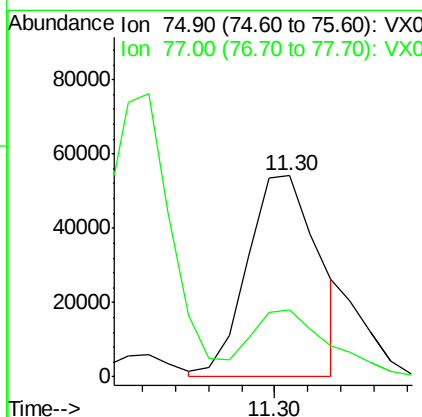
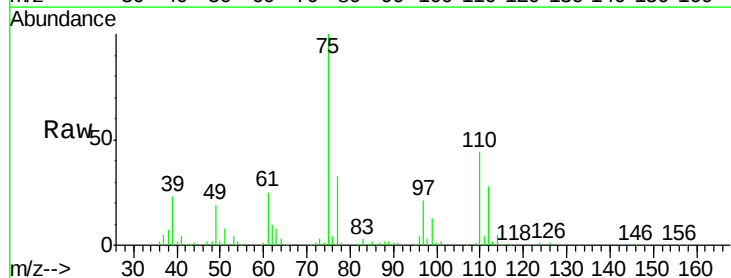
RT: 11.30 min Scan# 1758

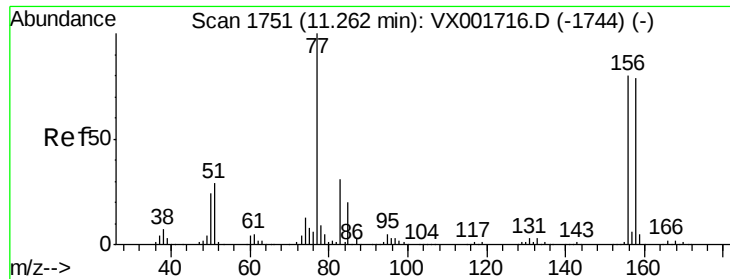
Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion	75	Resp	80022
Ion	Ratio	Lower	Upper
75	100		
77	36.4	18.9	56.7





#77

Bromobenzene

Concen: 21.79 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:156 Resp: 78492

Ion Ratio Lower Upper

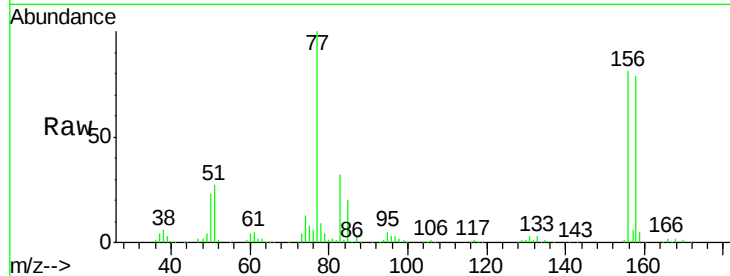
156 100

77 132.2 65.3 196.0

158 97.7 49.1 147.3

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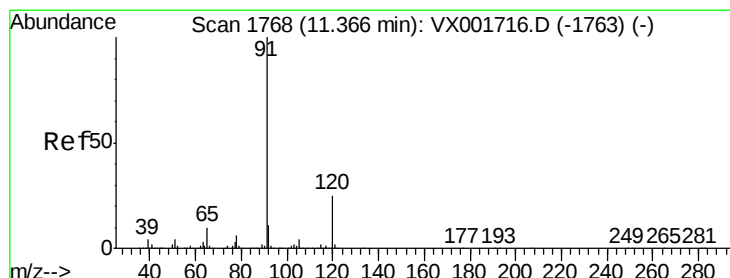
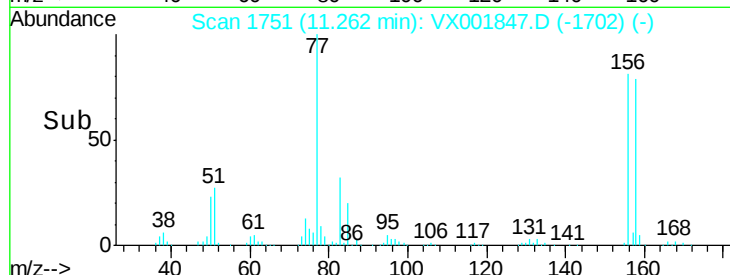
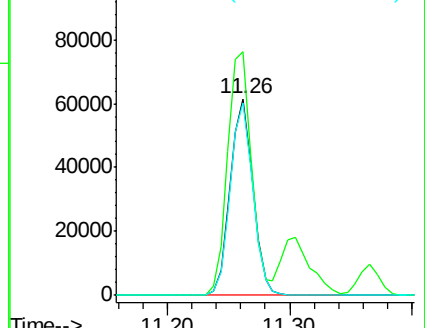
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.38 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001847.D

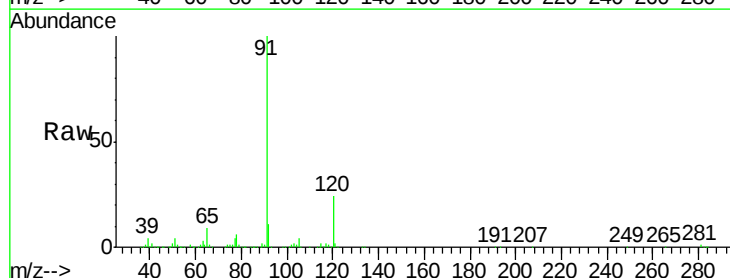
Acq: 19 May 2018 01:34

Tgt Ion: 91 Resp: 295271

Ion Ratio Lower Upper

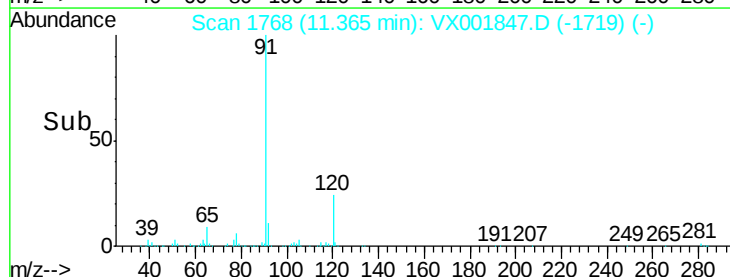
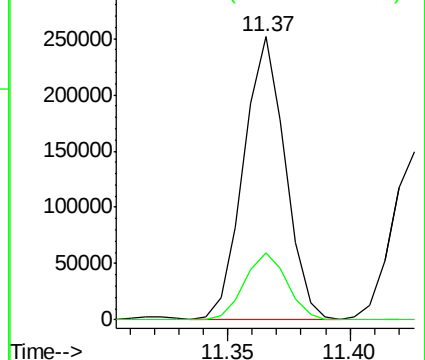
91 100

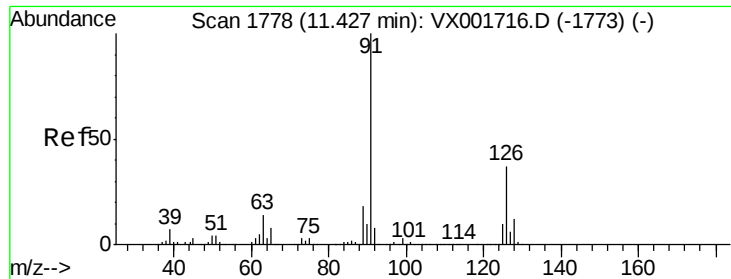
120 24.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.83 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion: 91 Resp: 180280

Ion Ratio Lower Upper

91 100

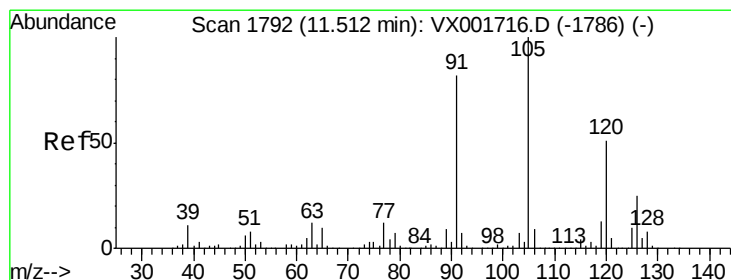
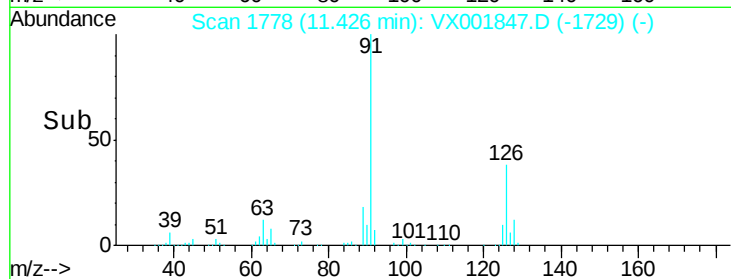
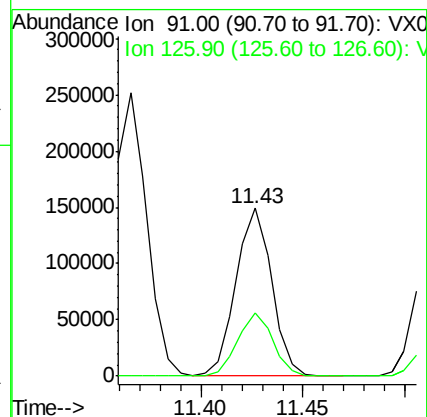
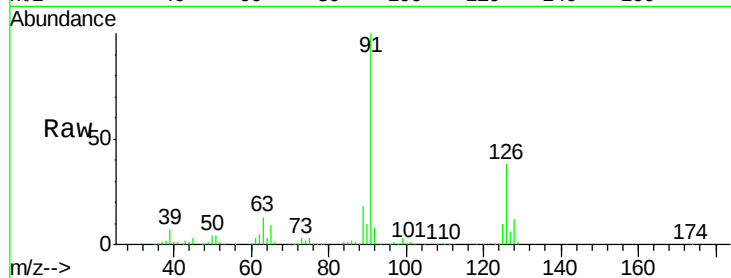
126 37.5 18.4 55.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.26 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001847.D

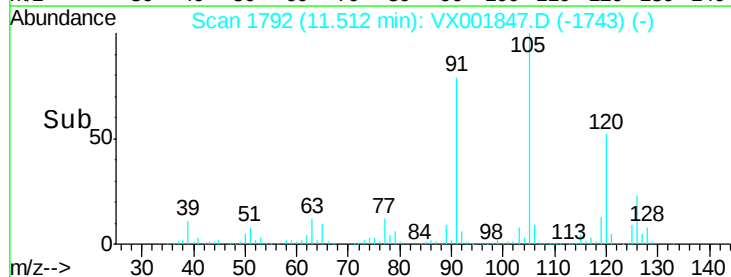
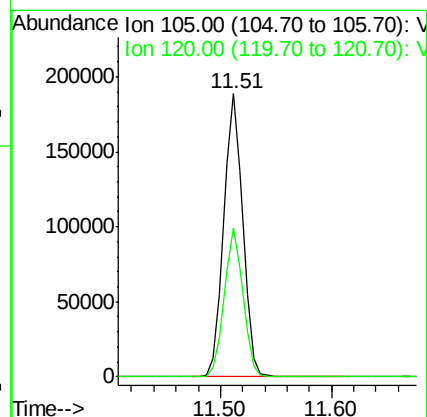
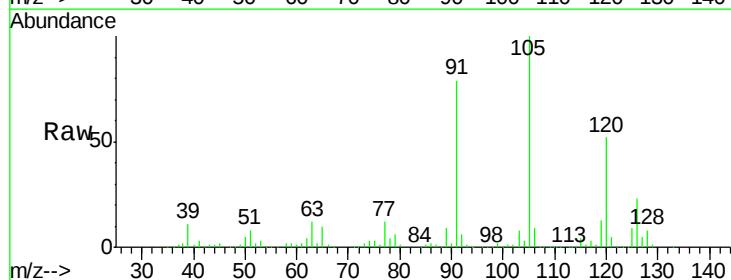
Acq: 19 May 2018 01:34

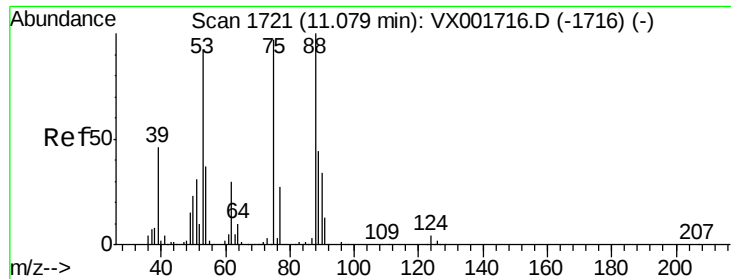
Tgt Ion: 105 Resp: 223858

Ion Ratio Lower Upper

105 100

120 51.6 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.91 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion: 75 Resp: 18575

Ion Ratio Lower Upper

75 100

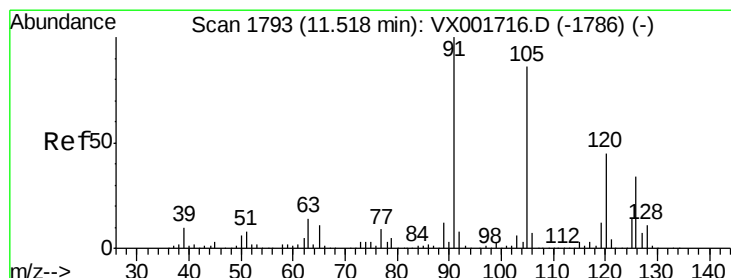
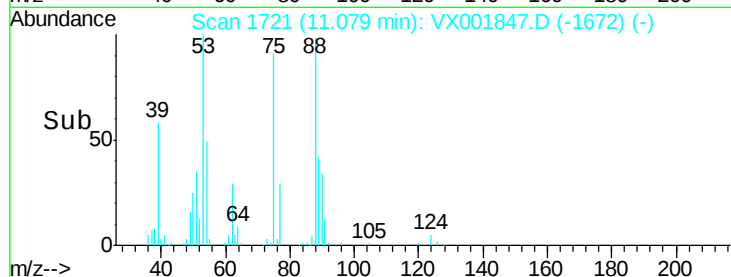
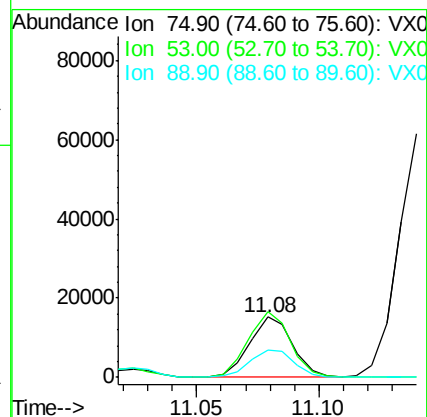
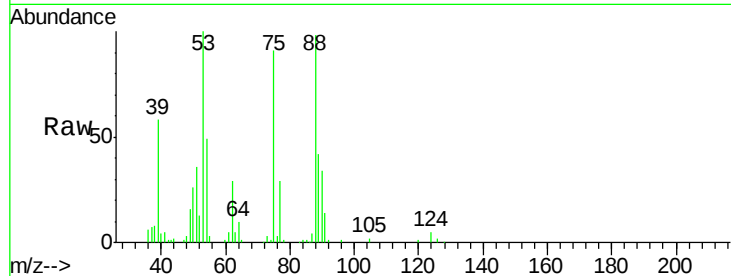
53 107.6 79.4 119.2

89 47.9 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.03 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001847.D

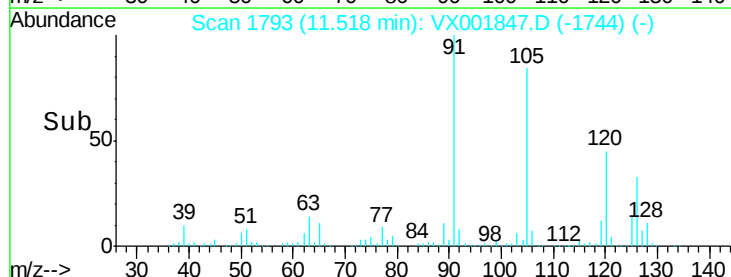
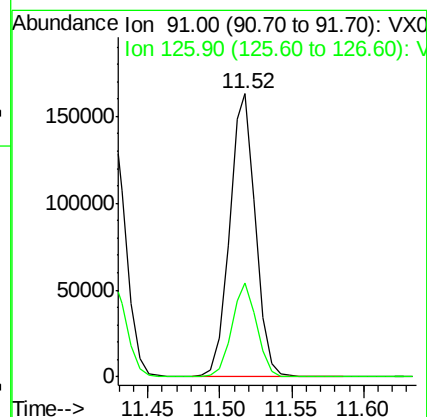
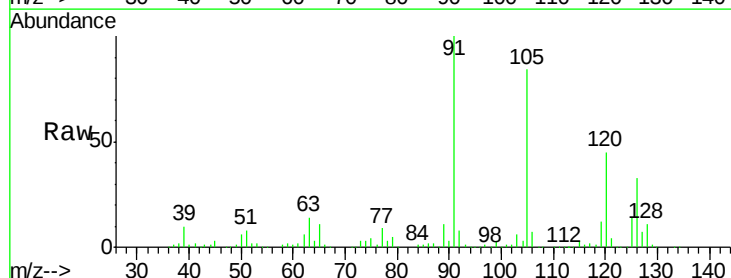
Acq: 19 May 2018 01:34

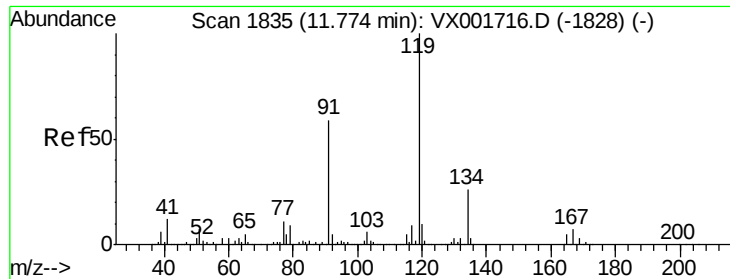
Tgt Ion: 91 Resp: 204655

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1





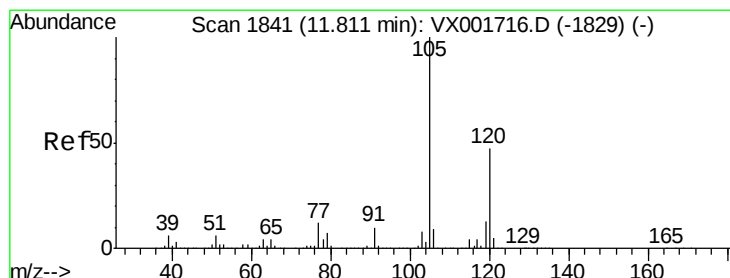
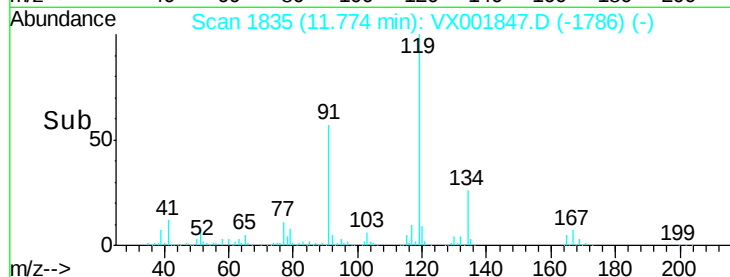
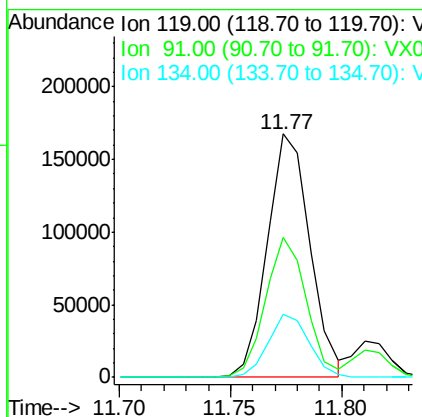
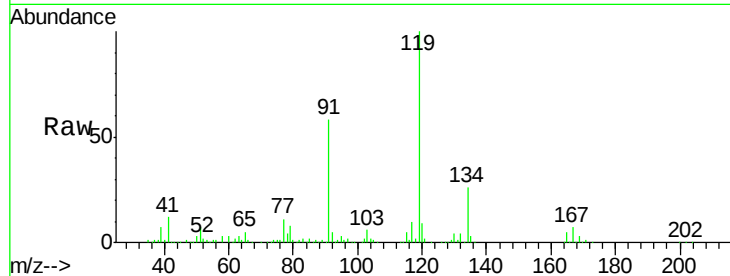
#83
tert-Butylbenzene
Concen: 22.15 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.7	83.0
134	25.3	12.7	38.1

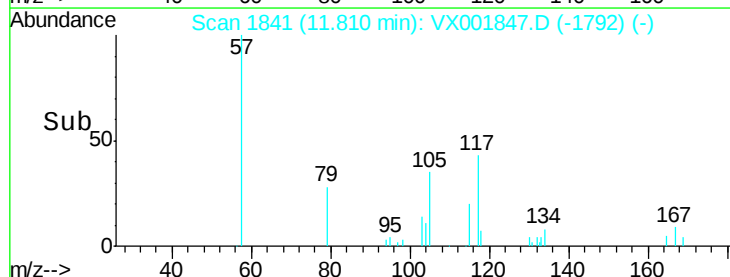
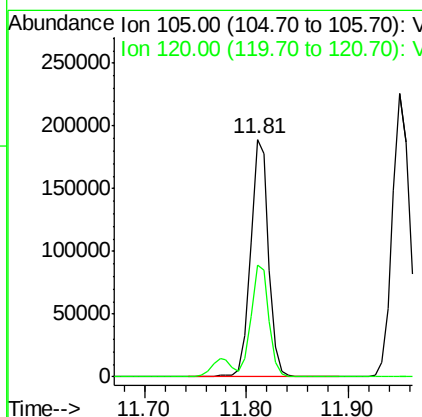
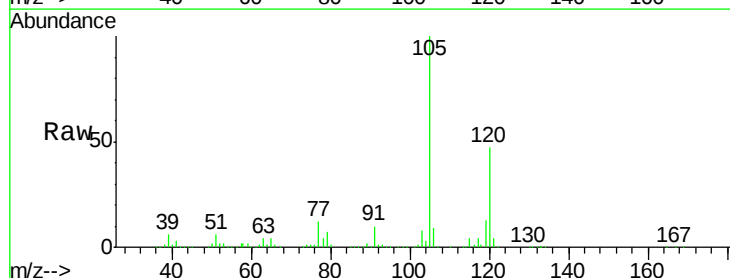
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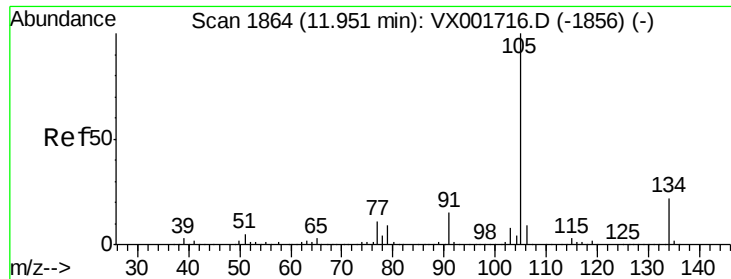
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.32 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.84 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBS02

Tot Ion:105 Resp: 269774

Ion Ratio Lower Upper

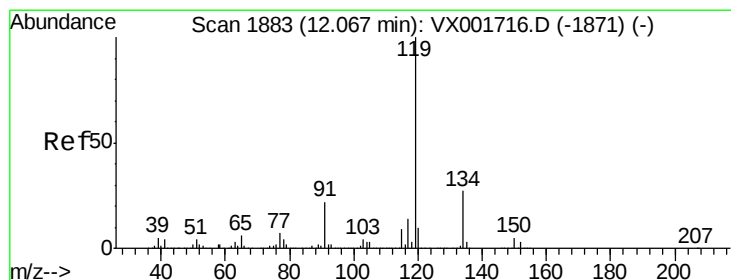
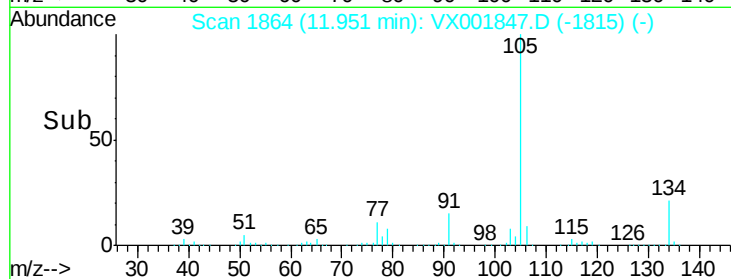
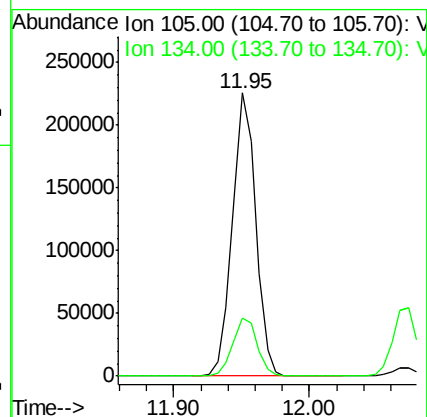
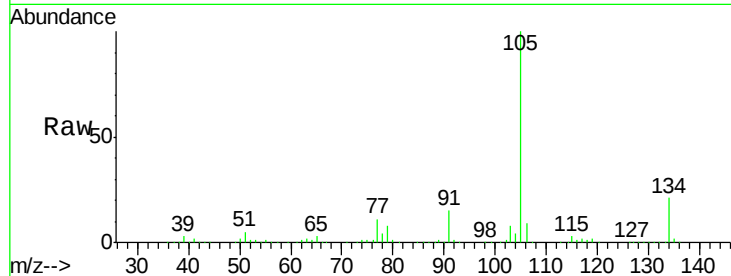
105 100

134 21.5 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 21.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

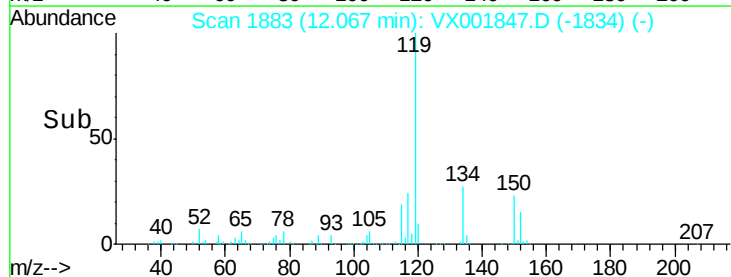
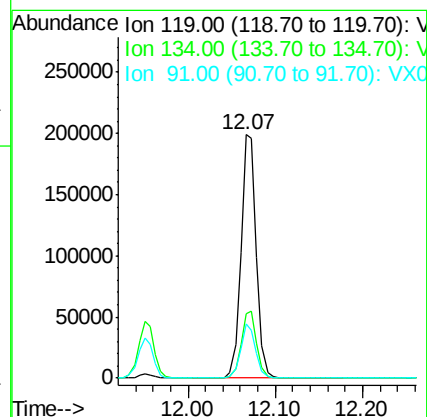
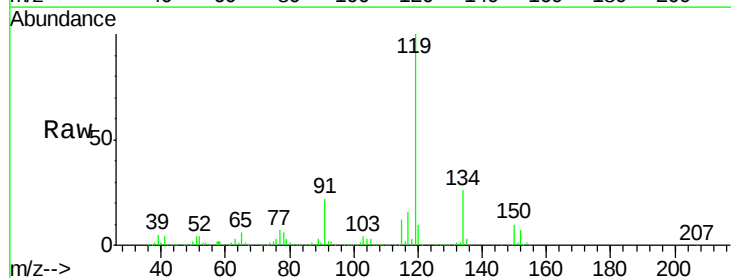
Tgt Ion:119 Resp: 243352

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 21.5 10.7 32.1





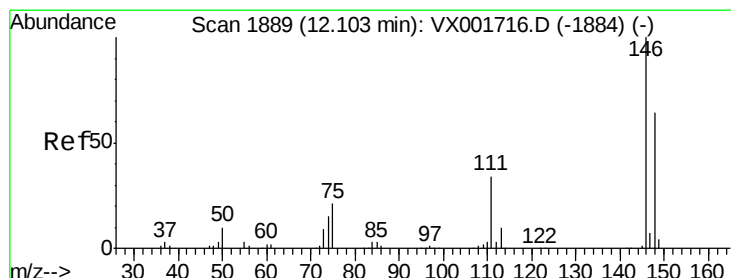
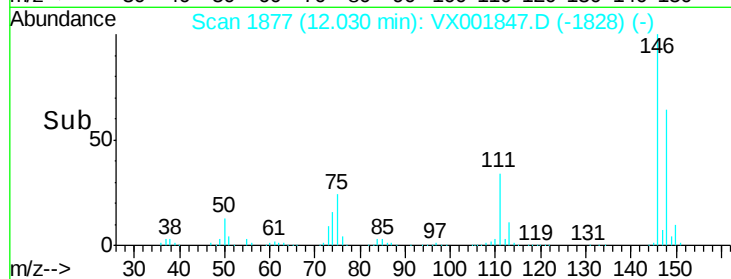
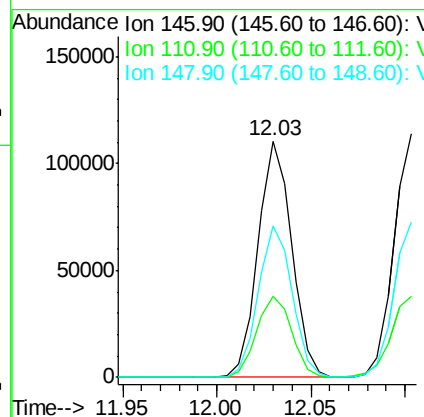
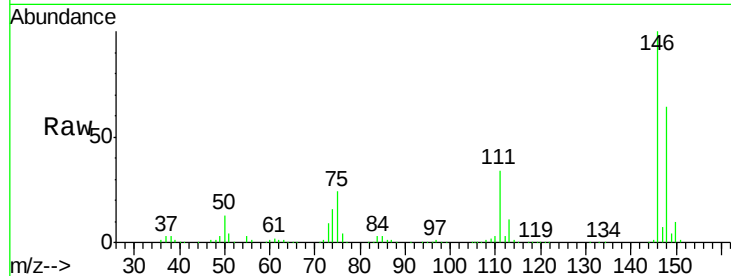
#87
 1,3-Dichlorobenzene
 Concen: 20.62 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.8	53.4
148	64.5	32.1	96.3

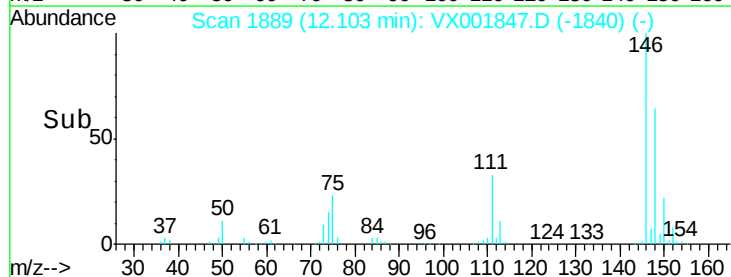
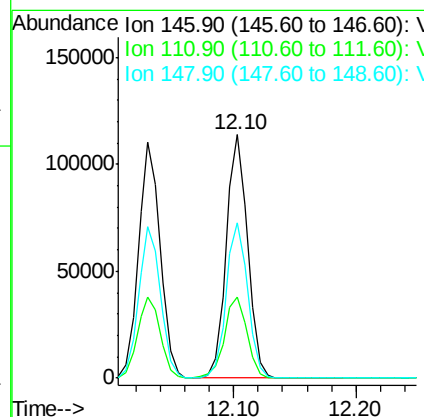
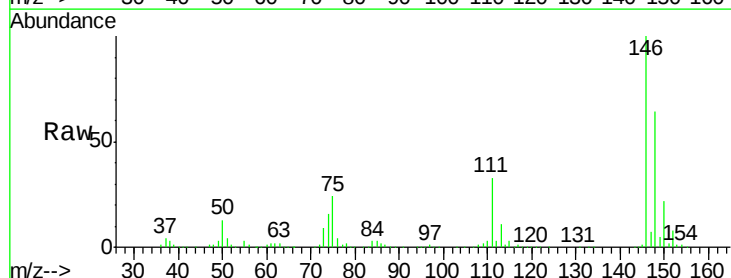
Manual Integrations
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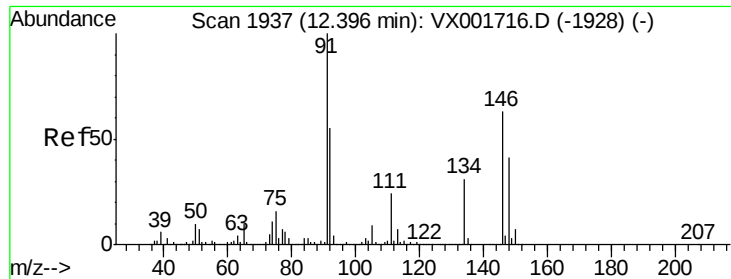
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.3	52.0
148	64.3	32.3	96.9





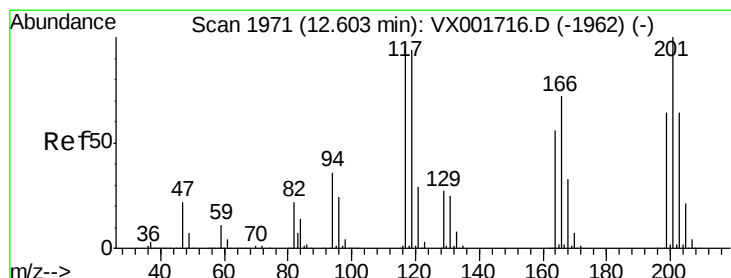
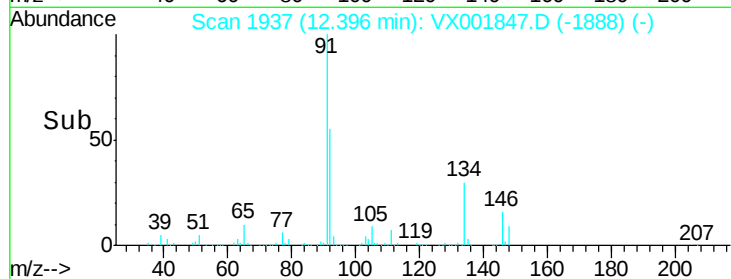
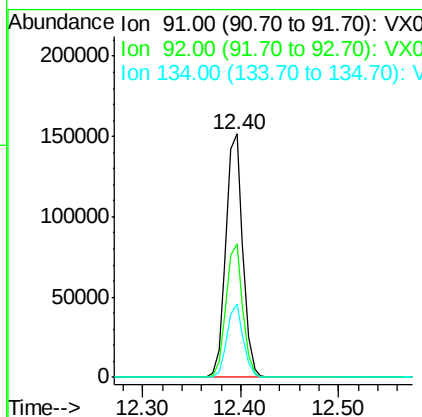
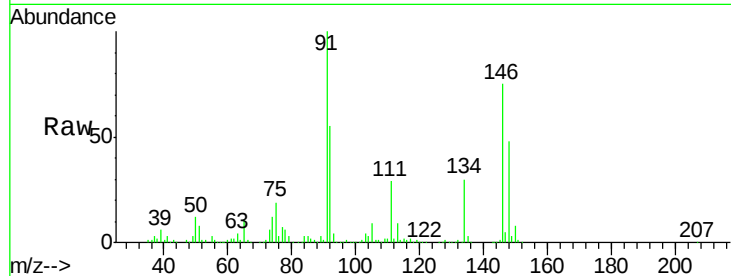
#89
n-Butylbenzene
Concen: 18.37 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	181631		
92	54.2	27.3	81.9	
134	29.1	14.7	44.1	

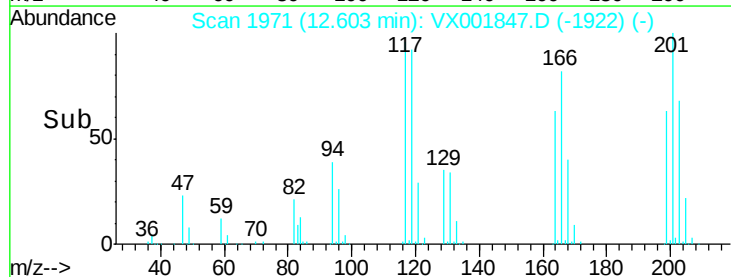
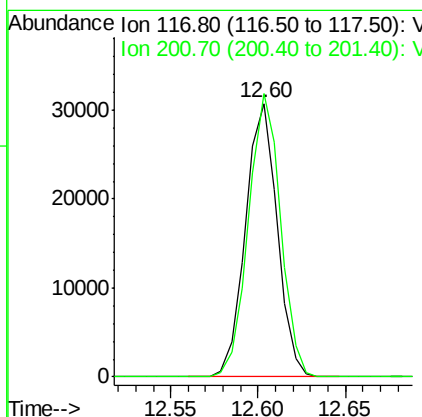
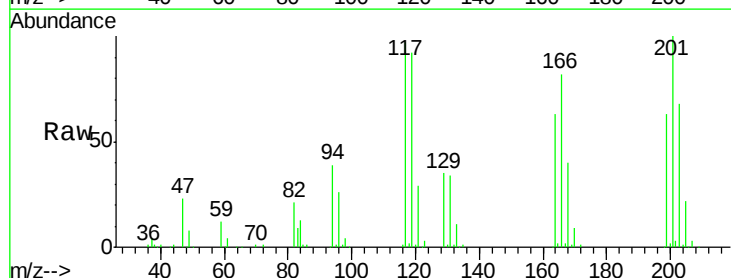
Manual Integrations
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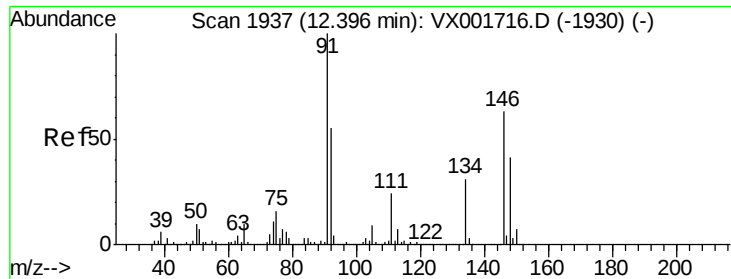
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5/21/2018 2:40:39 PM



#90
Hexachloroethane
Concen: 21.87 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001847.D
Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38824		
201	104.7	51.9	155.7	





#91

1,2-Dichlorobenzene

Concen: 21.46 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

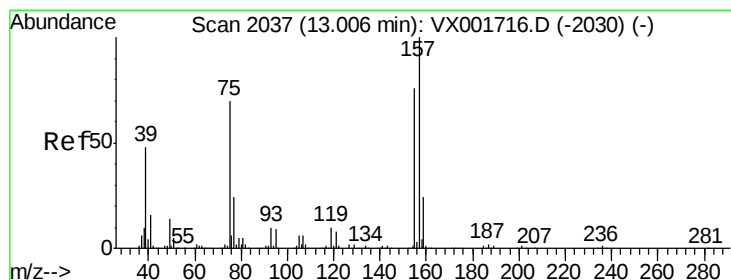
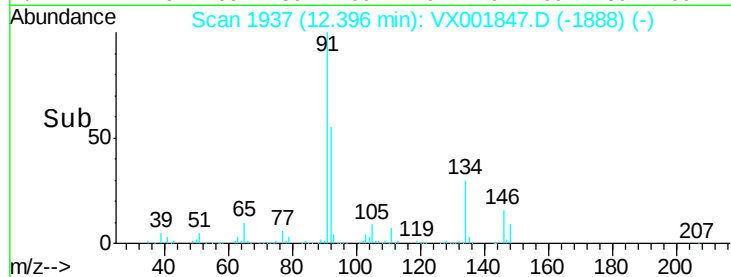
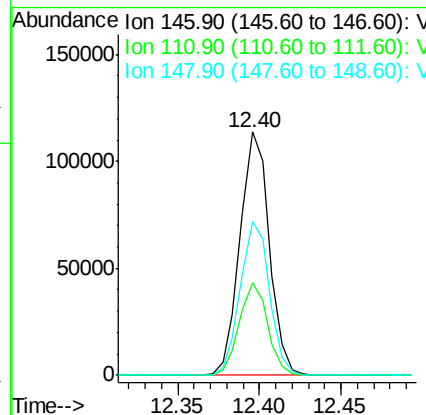
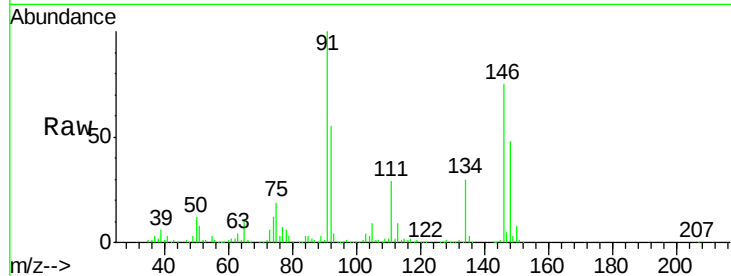
ClientSampleId :

VX0518WBS02

Tot Ion:	146	Resp:	142453
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	56.0
148	63.4	32.4	97.0

Manual Integrations
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5/21/2018 2:40:39 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.90 ug/l

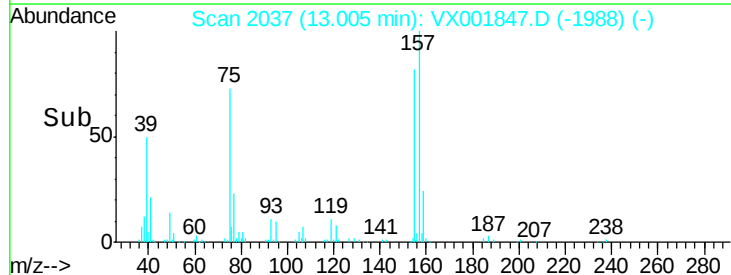
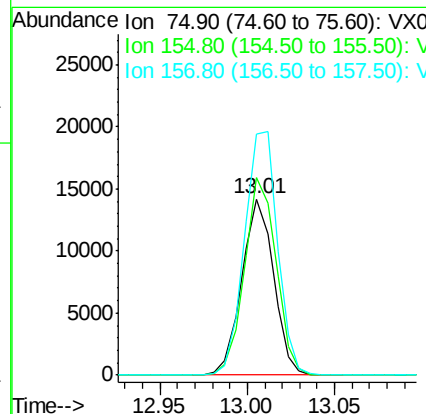
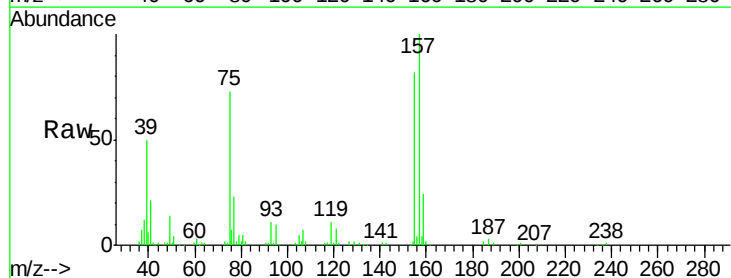
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion:	75	Resp:	17972
Ion Ratio	Lower	Upper	
75	100		
155	111.8	53.9	161.8
157	144.1	71.0	213.2





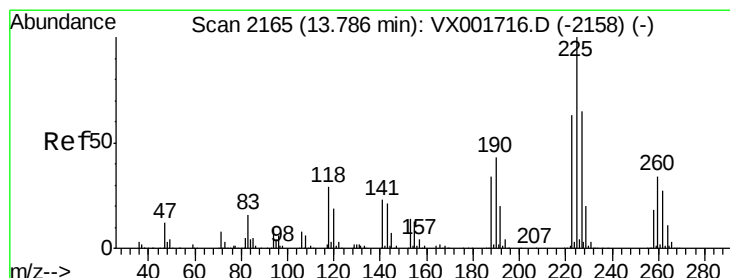
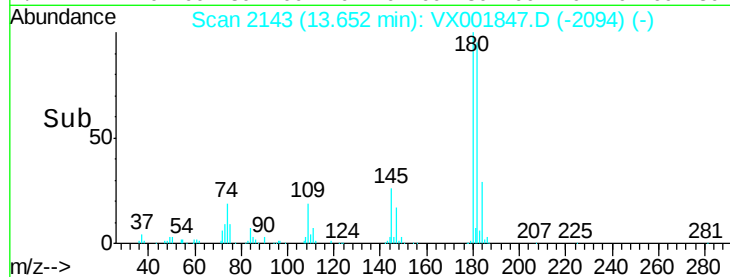
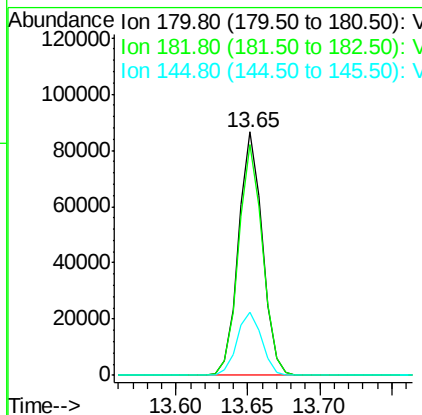
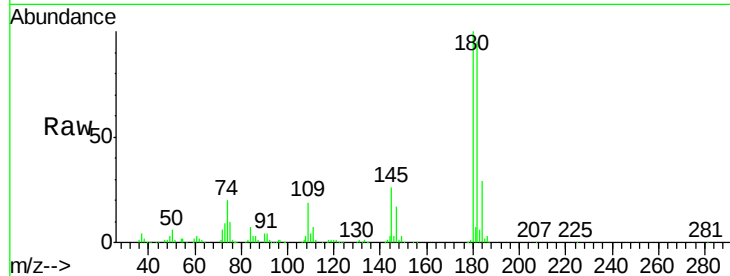
#93
 1,2,4-Trichlorobenzene
 Concen: 18.83 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.6	142.9	
145	26.9	13.4	40.1	

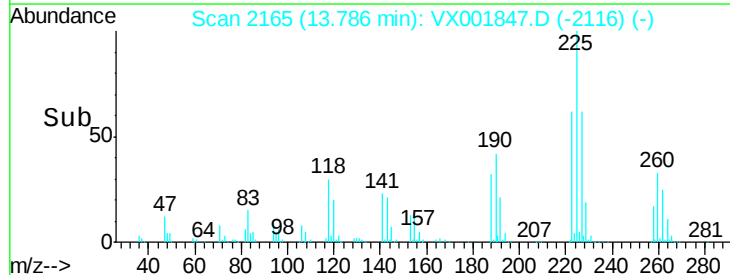
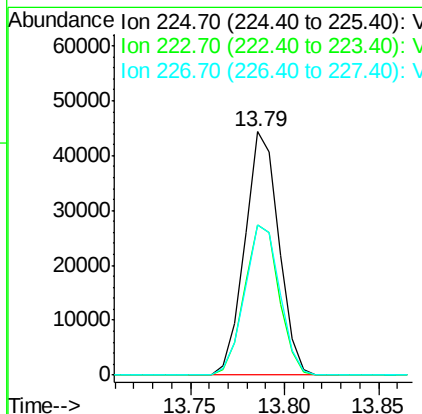
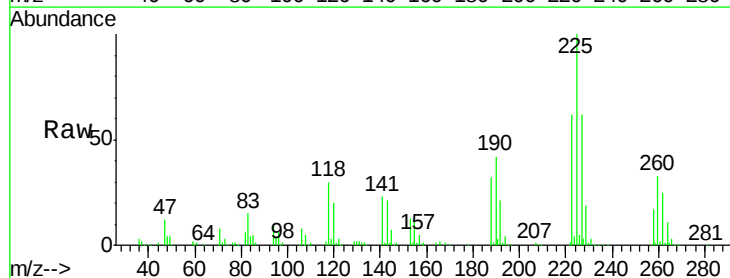
Manual Integrations
 APPROVED

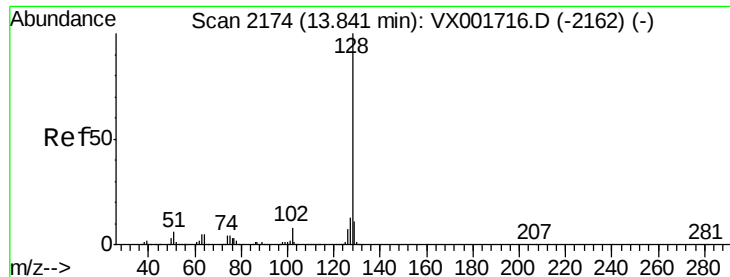
MMDadoda
 5/21/2018 2:40:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.61 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001847.D
 Acq: 19 May 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.1	93.5	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 20.93 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Instrument :

MSVOA_X

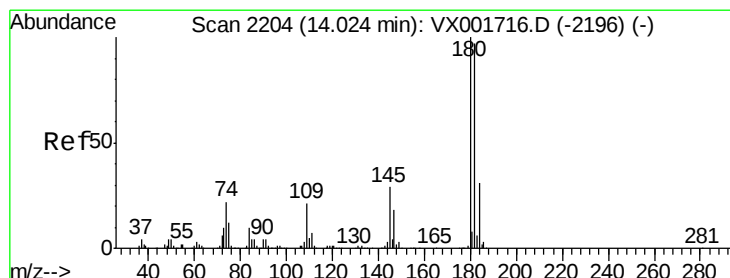
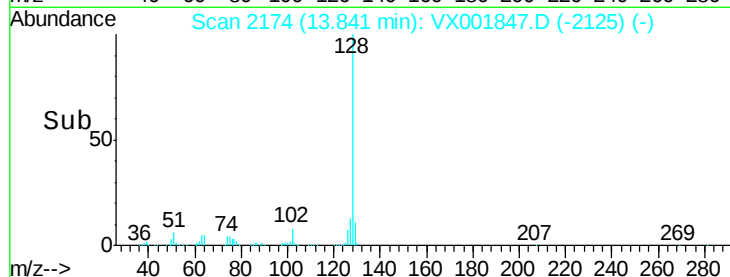
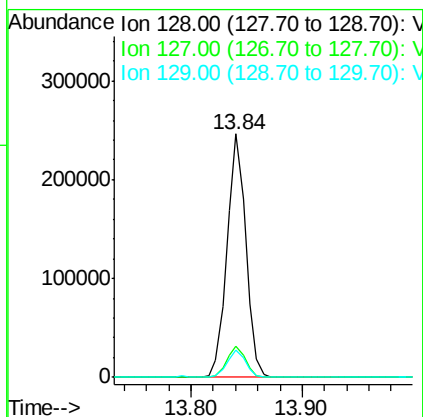
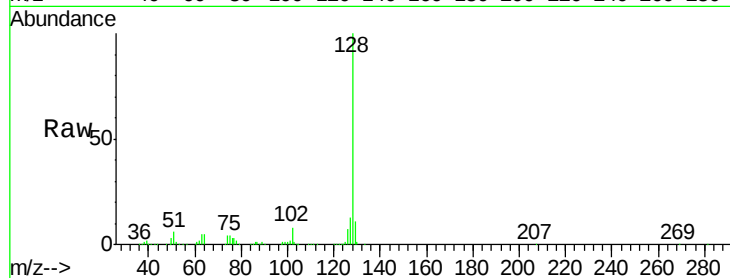
ClientSampleId :

VX0518WBS02

Tot Ion:	128	Resp:	287751
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.22 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001847.D

Acq: 19 May 2018 01:34

Tgt Ion:	180	Resp:	107708
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	27.9	14.2	42.8

