

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050718\
 Data File : VX001463.D
 Acq On : 07 May 2018 13:59
 Operator : JC/MD
 Sample : VX0507WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/9/2018 5:47:32 PM

Quant Time: May 08 06:47:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345578	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	234832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	196196	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	5.51	113	158527	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	8.72	98	574106	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	216254	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	75778	20.82	ug/l	98
3) Chloromethane	1.32	50	71582	20.19	ug/l	99
4) Vinyl Chloride	1.40	62	75182	20.32	ug/l	100
5) Bromomethane	1.64	94	50240	28.17	ug/l	100
6) Chloroethane	1.72	64	48996	20.04	ug/l	100
7) Trichlorofluoromethane	1.93	101	117465	21.10	ug/l	99
8) Diethyl Ether	2.19	74	42637	19.54	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67325	20.63	ug/l	100
10) Methyl Iodide	2.51	142	89219	18.94	ug/l	99
11) Tert butyl alcohol	3.07	59	85425	104.26	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60420	20.20	ug/l	96
13) Acrolein	2.29	56	15684	89.62	ug/l	93
14) Allyl chloride	2.73	41	113520	20.35	ug/l	98
15) Acrylonitrile	3.15	53	178545	96.43	ug/l	99
16) Acetone	2.45	43	171963	97.45	ug/l	99
17) Carbon Disulfide	2.57	76	146196	19.20	ug/l	99
18) Methyl Acetate	2.78	43	93456	20.16	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	213492	20.50	ug/l	99
20) Methylene Chloride	2.86	84	69489	19.89	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	66295	19.86	ug/l	96
22) Diisopropyl ether	3.87	45	200654	19.25	ug/l	96
23) Vinyl Acetate	3.82	43	894405	102.97	ug/l	100
24) 1,1-Dichloroethane	3.70	63	121156	20.81	ug/l	99
25) 2-Butanone	4.71	43	248130	97.28	ug/l	97
26) 2,2-Dichloropropane	4.58	77	90820	20.20	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72165	20.29	ug/l	98
28) Bromochloromethane	5.02	49	56245	22.28	ug/l	96
29) Tetrahydrofuran	5.17	42	155190	95.09	ug/l	99
30) Chloroform	5.22	83	124547	20.77	ug/l	99
31) Cyclohexane	5.58	56	99795	19.96	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	109608	20.91	ug/l	99
36) 1,1-Dichloropropene	5.80	75	89013	20.25	ug/l	99
37) Ethyl Acetate	4.87	43	94864	19.69	ug/l	100
38) Carbon Tetrachloride	5.79	117	98747	21.06	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105942	20.38	ug/l	96
40) Benzene	6.15	78	269178	20.96	ug/l	100
41) Methacrylonitrile	5.07	41	54276	19.69	ug/l	99
42) 1,2-Dichloroethane	6.20	62	106388	21.56	ug/l	99
43) Isopropyl Acetate	6.47	43	147092	19.88	ug/l	99
44) Trichloroethene	7.21	130	83373	21.24	ug/l	98
45) 1,2-Dichloropropane	7.52	63	66969	20.92	ug/l	100
46) Dibromomethane	7.67	93	47524	20.97	ug/l	99
47) Bromodichloromethane	7.90	83	88020	20.99	ug/l	99
48) Methyl methacrylate	7.78	41	81187	20.16	ug/l	99
49) 1,4-Dioxane	7.76	88	35311	405.77	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	500059	101.73	ug/l	99
52) Toluene	8.79	92	178093	21.21	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	100872	21.28	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	91616	20.11	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	71727	21.21	ug/l	96
56) Ethyl methacrylate	9.19	69	96565	19.81	ug/l	97
57) 1,3-Dichloropropane	9.38	76	117253	20.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	254498	106.42	ug/l	99
59) 2-Hexanone	9.50	43	372870	99.06	ug/l	98
60) Dibromochloromethane	9.59	129	70756	20.43	ug/l	98
61) 1,2-Dibromoethane	9.68	107	74412	20.95	ug/l	99
64) Tetrachloroethene	9.34	164	99350	21.85	ug/l	99
65) Chlorobenzene	10.15	112	199537	20.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73639	21.52	ug/l	99
67) Ethyl Benzene	10.26	91	327368	20.88	ug/l	99
68) m/p-Xylenes	10.37	106	268438	43.33	ug/l	99
69) o-Xylene	10.70	106	127281	21.14	ug/l	97
70) Styrene	10.72	104	209345	21.40	ug/l	99
71) Bromoform	10.86	173	55825	19.32	ug/l #	99
73) Isopropylbenzene	11.02	105	345883	21.28	ug/l	100
74) N-amyl acetate	6.47	43	147092	19.92	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	96434	20.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97045m	20.38	ug/l	
77) Bromobenzene	11.26	156	97503	20.63	ug/l	99
78) n-propylbenzene	11.37	91	385730	21.79	ug/l	99
79) 2-Chlorotoluene	11.43	91	230725	21.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	290817	21.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23402	18.61	ug/l	91
82) 4-Chlorotoluene	11.52	91	271457	21.60	ug/l	99
83) tert-Butylbenzene	11.77	119	278144	20.65	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	302391	21.74	ug/l	99
85) sec-Butylbenzene	11.95	105	348936	21.59	ug/l	99
86) p-Isopropyltoluene	12.07	119	322654	21.76	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	176523	20.89	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181565	21.07	ug/l	99
89) n-Butylbenzene	12.40	91	262531	21.37	ug/l	99
90) Hexachloroethane	12.60	117	45205	20.24	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	179073	20.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21676	20.55	ug/l	96

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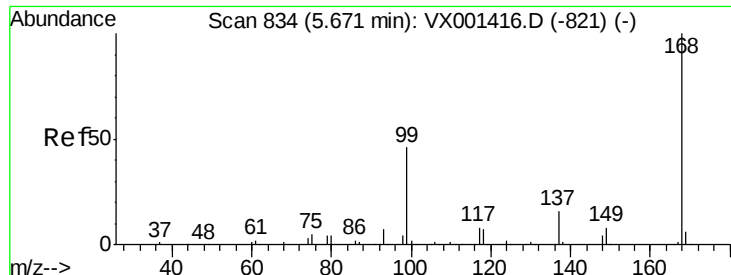
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131410	20.89	ug/l	100
94) Hexachlorobutadiene	13.79	225	72551	21.08	ug/l	99
95) Naphthalene	13.84	128	363487	20.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	135954	21.06	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS01

Tot Ion:168 Resp: 270372

Ion Ratio Lower Upper

168 100

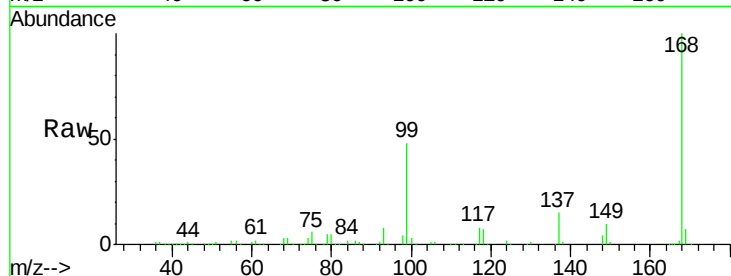
99 47.8 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

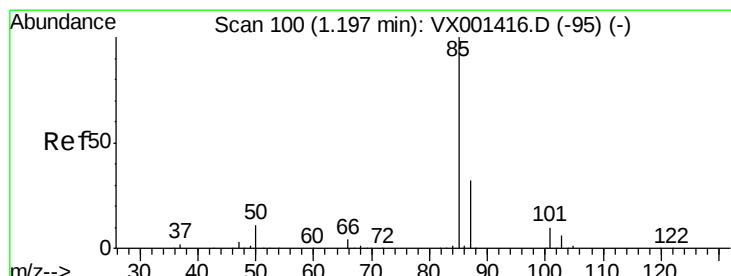
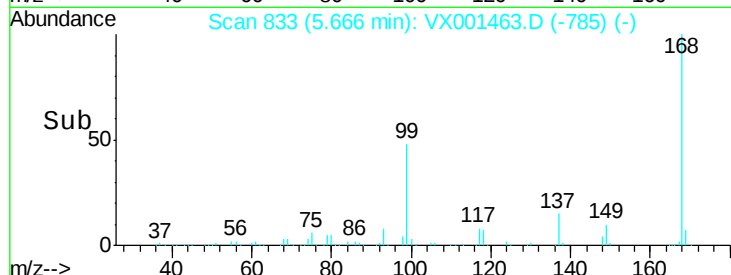
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.82 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001463.D

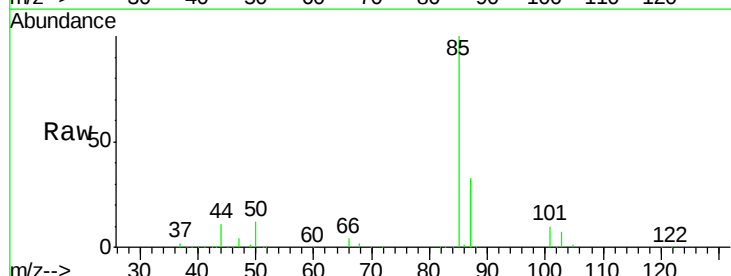
Acq: 07 May 2018 13:59

Tgt Ion: 85 Resp: 75778

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

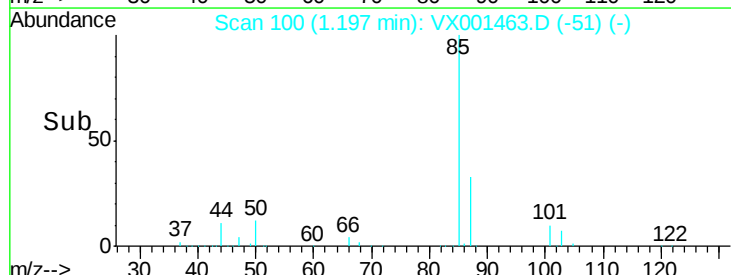
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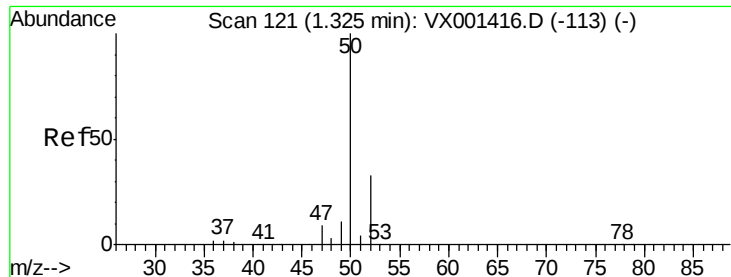
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1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.19 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 50 Resp: 71582

Ion Ratio Lower Upper

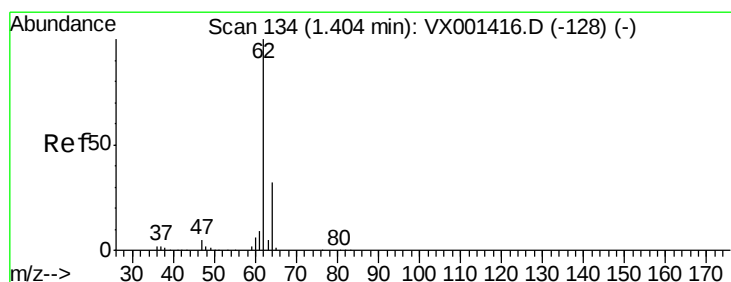
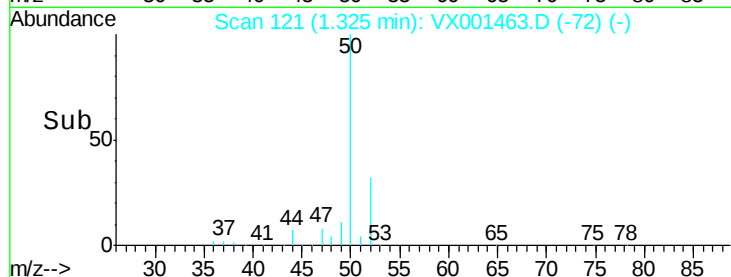
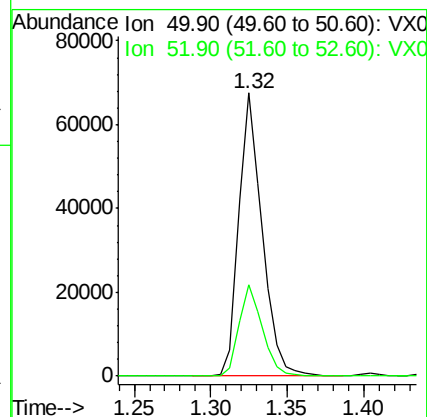
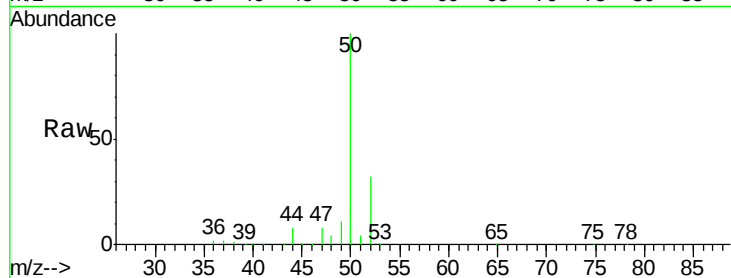
50 100

52 32.5 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001463.D

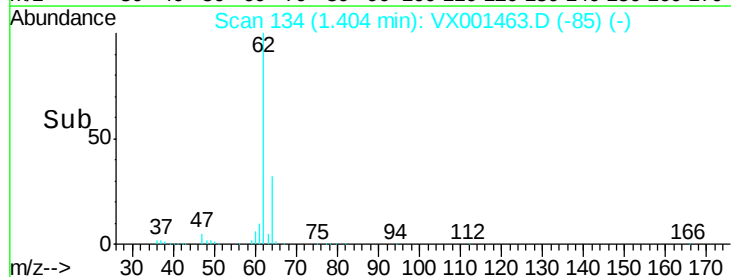
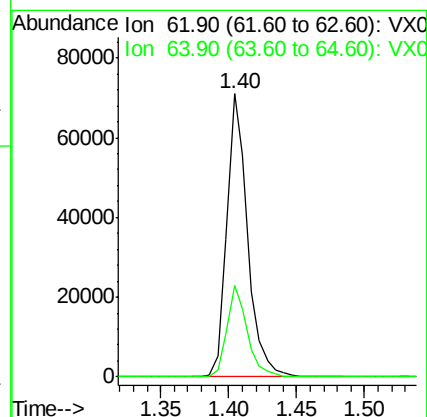
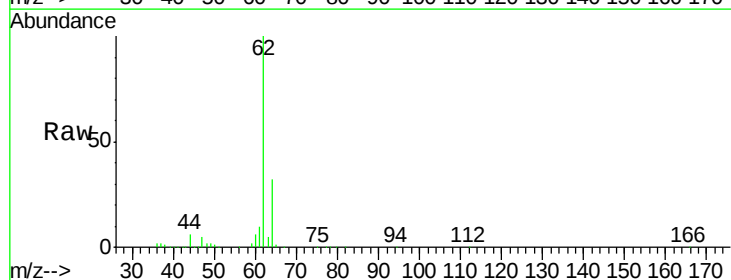
Acq: 07 May 2018 13:59

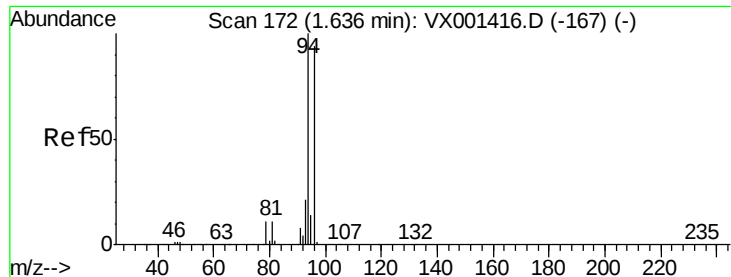
Tgt Ion: 62 Resp: 75182

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.6





#5

Bromomethane

Concen: 28.17 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS01

Tot Ion: 94 Resp: 50240

Ion Ratio Lower Upper

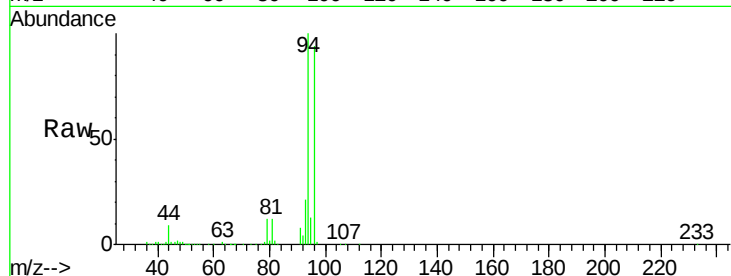
94 100

96 93.8 75.0 112.6

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

1.64

40000

30000

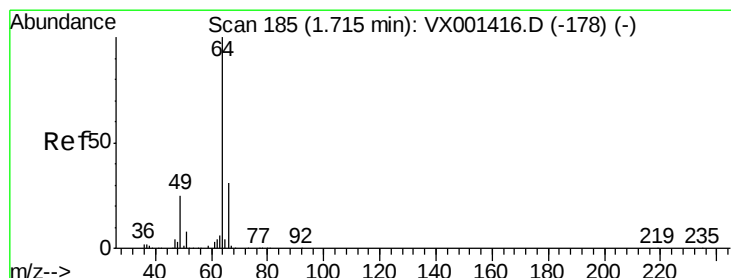
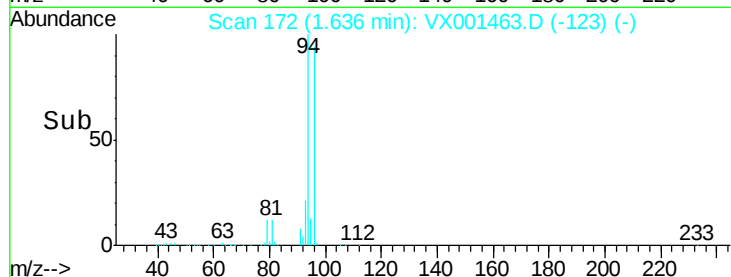
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10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.04 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001463.D

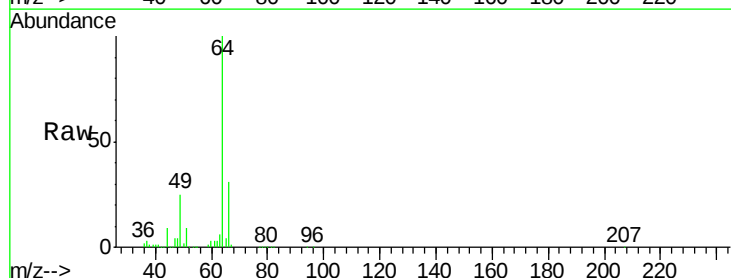
Acq: 07 May 2018 13:59

Tgt Ion: 64 Resp: 48996

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

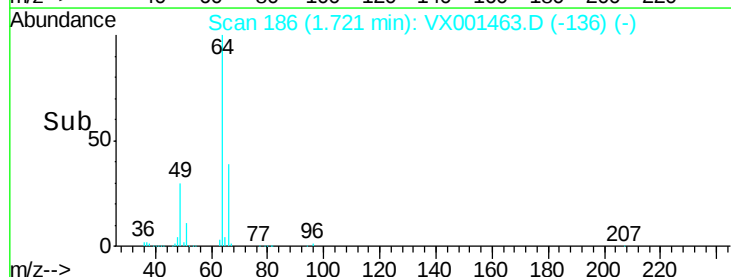
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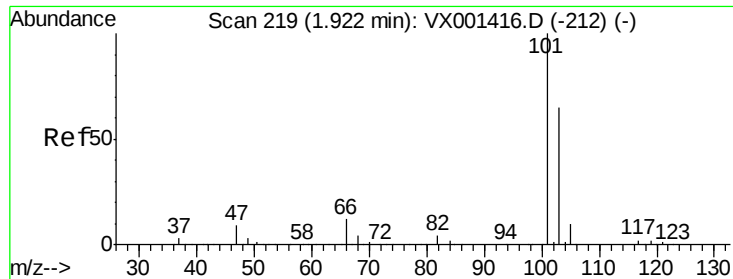
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Time-->

1.65 1.70 1.75 1.80





#7

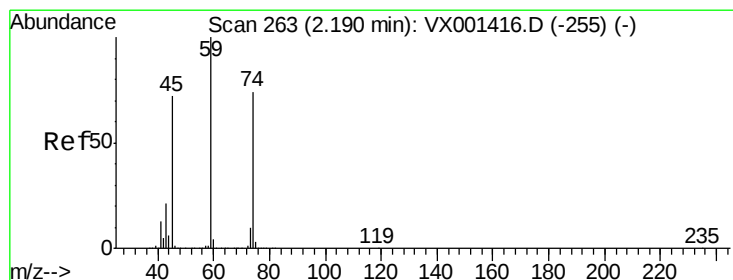
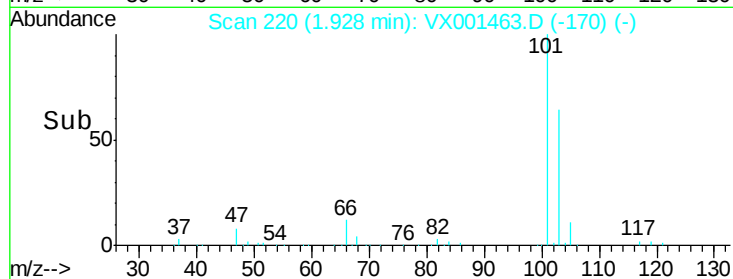
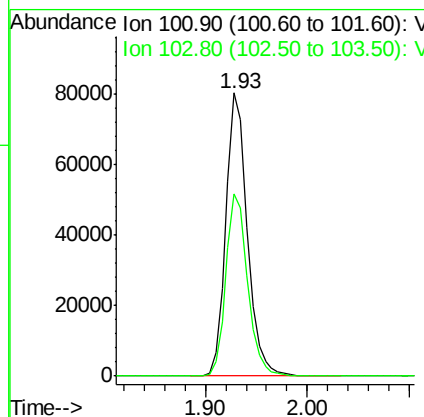
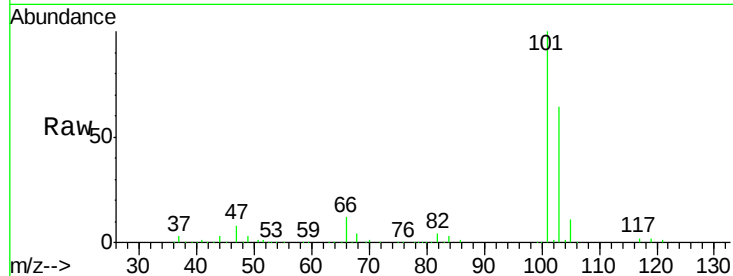
Trichlorofluoromethane
 Concen: 21.10 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
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 VX0507WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117465		
103	64.2	52.0	78.0		

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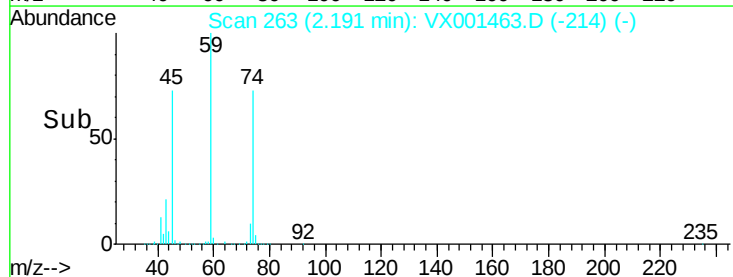
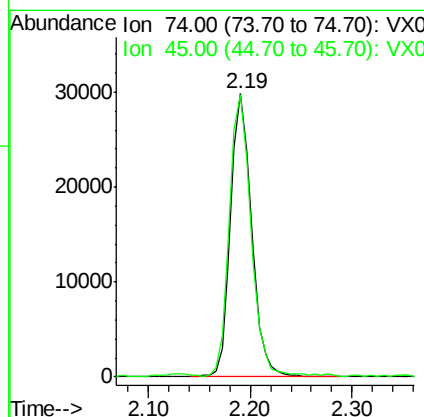
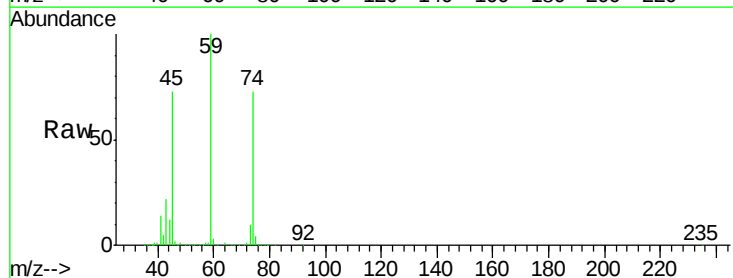
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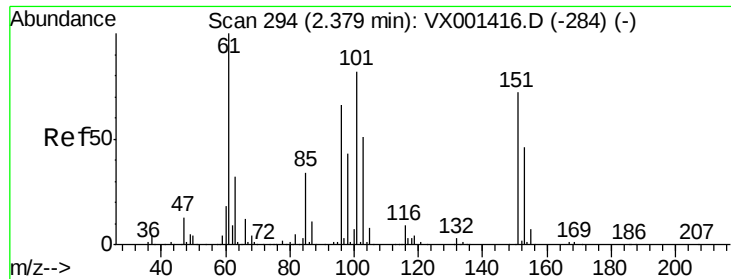


#8

Diethyl Ether
 Concen: 19.54 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		42637		
45	101.6	47.9	143.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.63 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

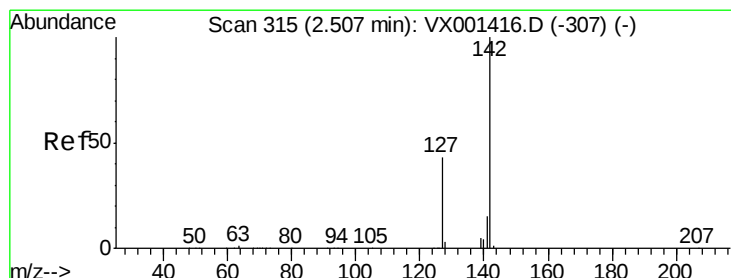
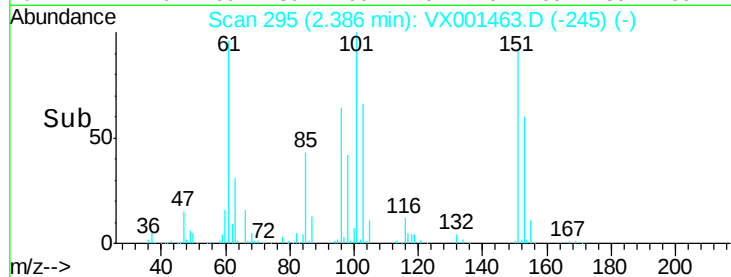
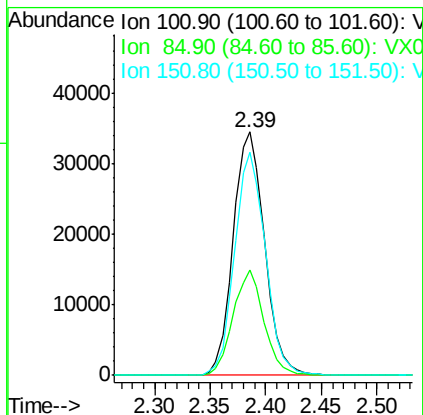
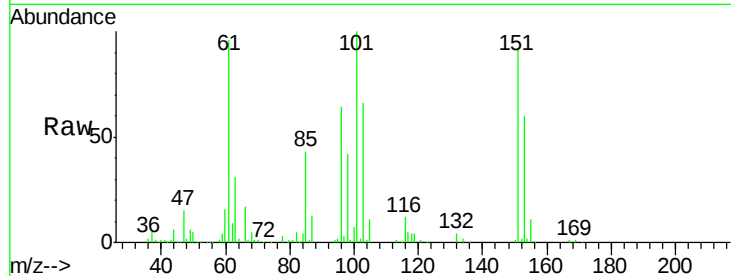
ClientSampleId :

VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	67325		
85	42.5		33.7	50.5
151	90.1		72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.94 ug/l

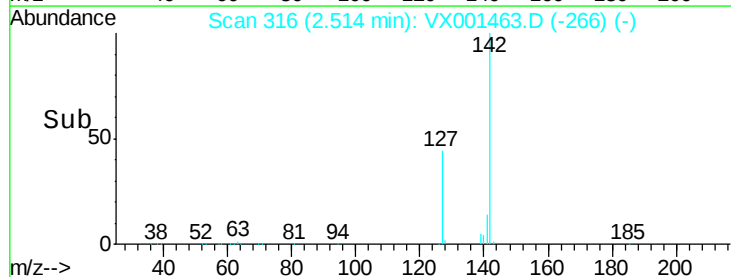
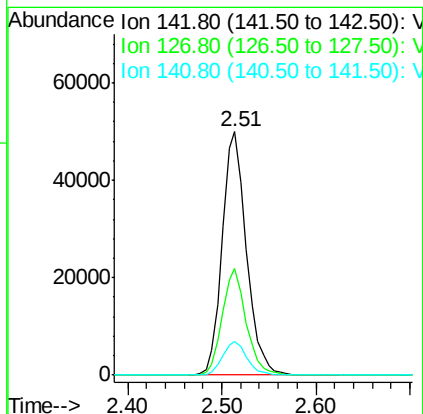
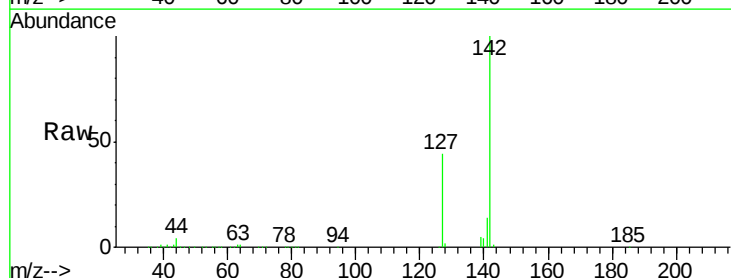
RT: 2.51 min Scan# 316

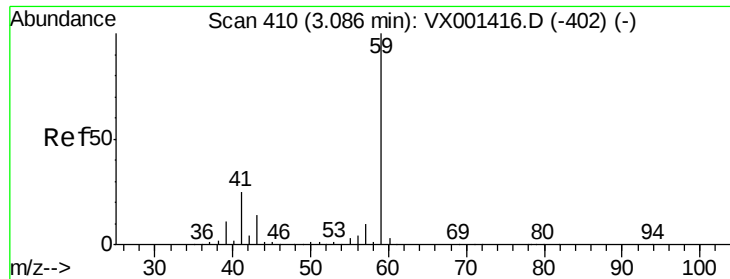
Delta R.T. 0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	89219		
127	43.0		33.6	50.4
141	14.0		11.4	17.2





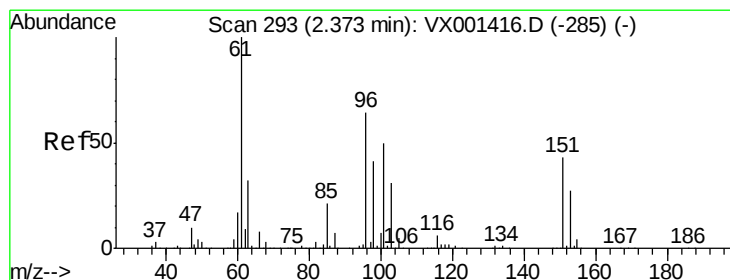
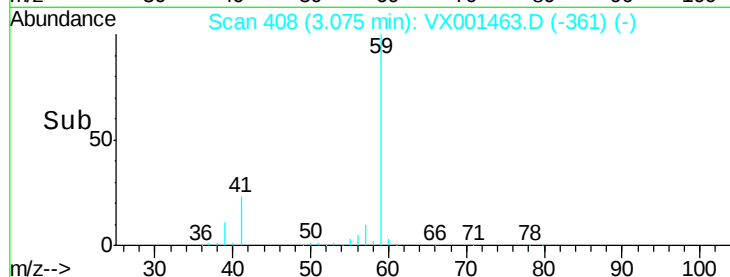
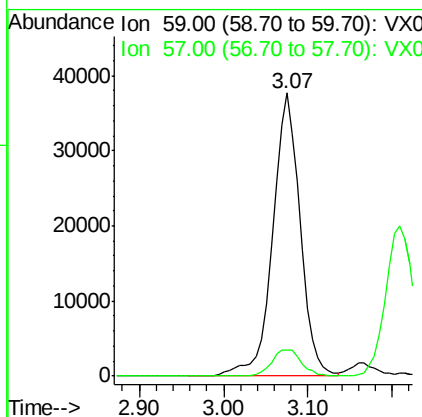
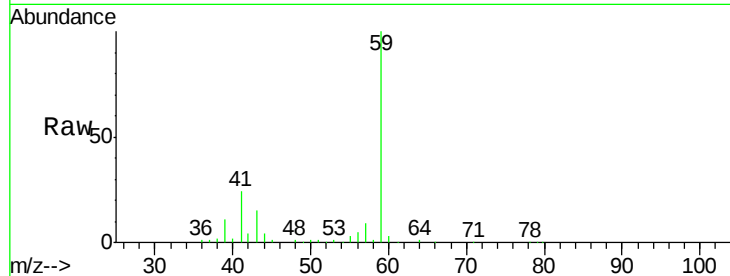
#11
Tert butyl alcohol
Concen: 104.26 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	59	Resp	85425
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

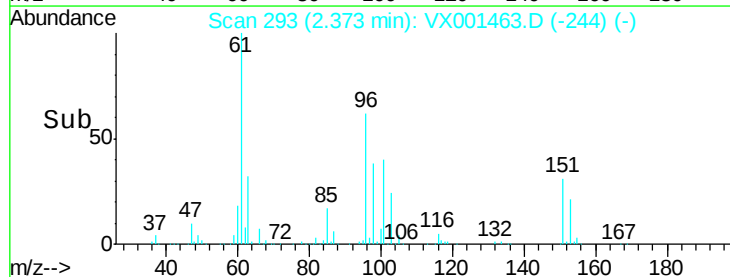
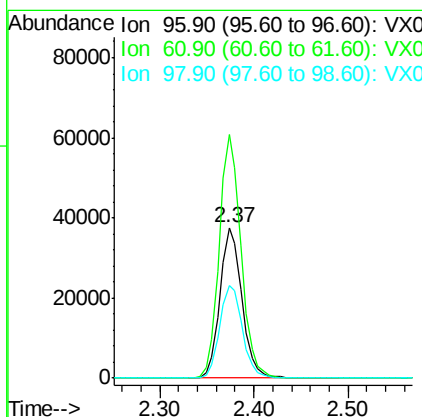
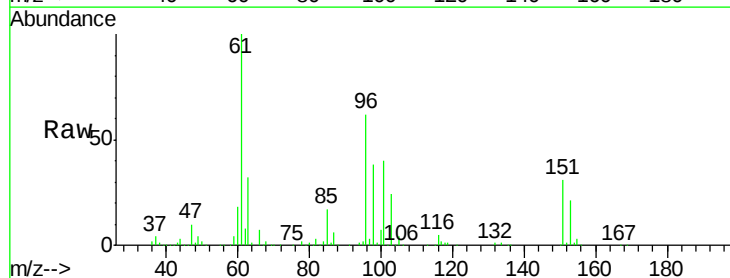
Manual Integrations
APPROVED

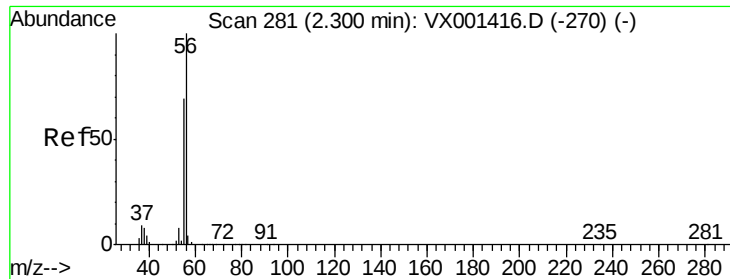
MMDadoda
5/9/2018 5:47:32 PM



#12
1,1-Dichloroethene
Concen: 20.20 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	96	Resp	60420
Ion Ratio	100	Lower	Upper
61	161.5	125.7	188.5
98	61.8	52.0	78.0





#13

Acrolein

Concen: 89.62 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 56 Resp: 15684

Ion Ratio Lower Upper

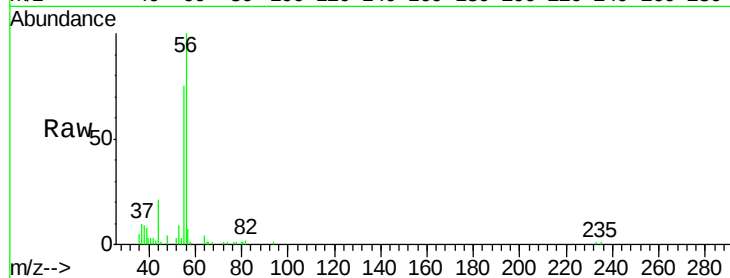
56 100

55 73.4 54.5 81.7

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

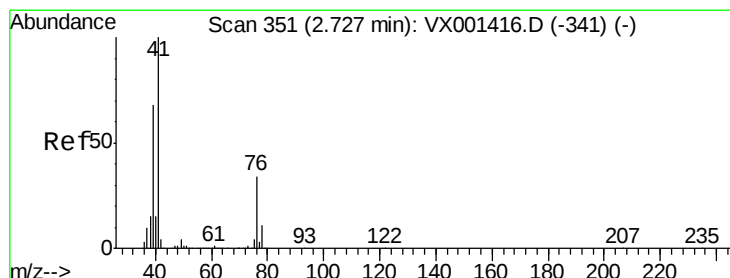
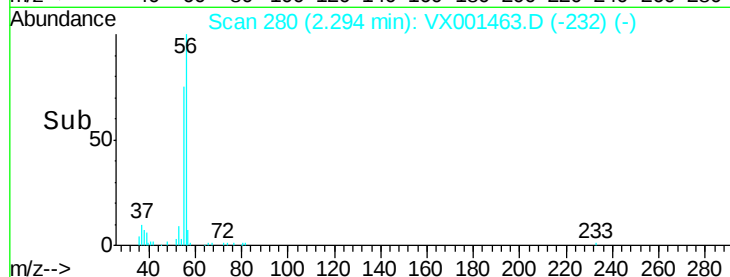
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.35 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

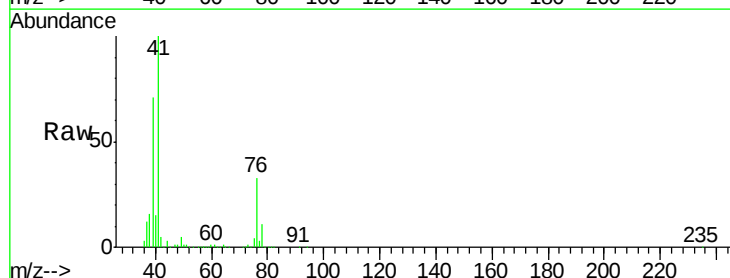
Tgt Ion: 41 Resp: 113520

Ion Ratio Lower Upper

41 100

39 67.4 52.4 78.6

76 31.0 25.8 38.6



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

100000

80000

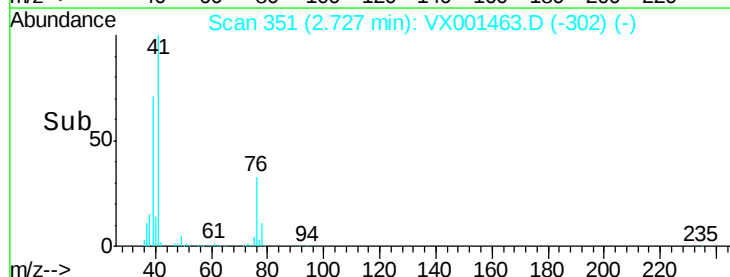
60000

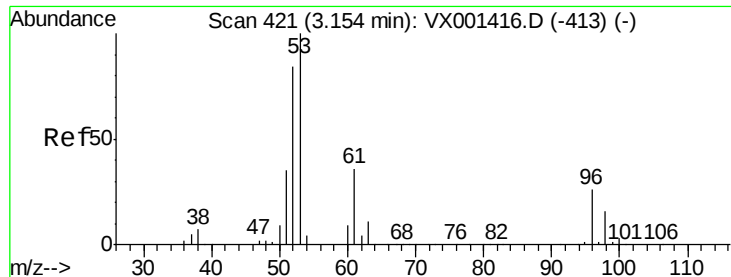
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 96.43 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

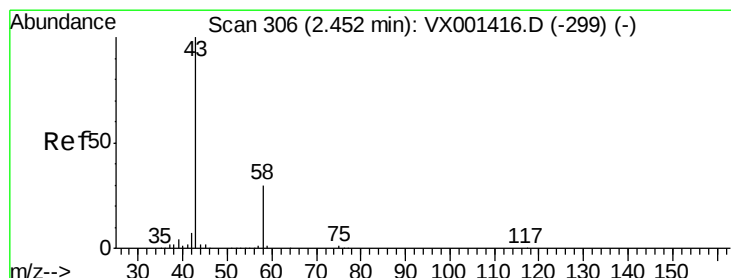
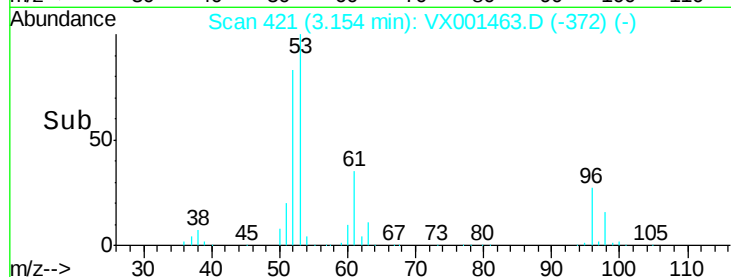
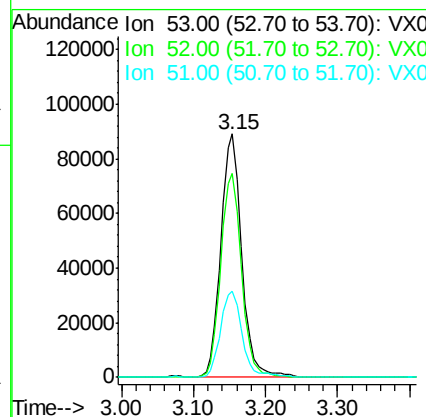
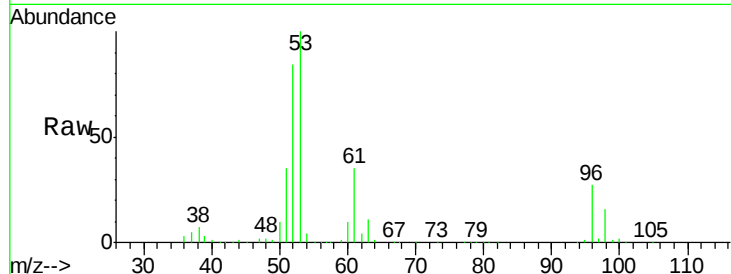
ClientSampleId :

VX0507WBS01

Tot Ion:	53	Resp:	178545
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.2	99.2
51	36.2	28.6	43.0

Manual Integrations
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5/9/2018 5:47:32 PM



#16

Acetone

Concen: 97.45 ug/l

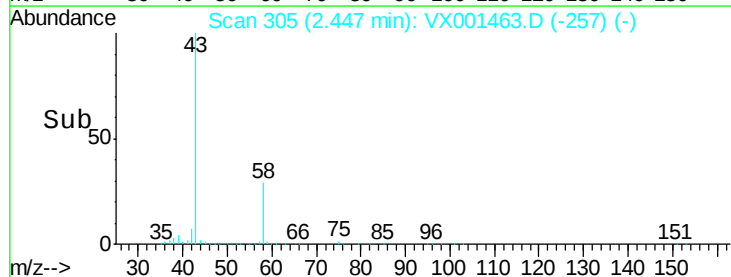
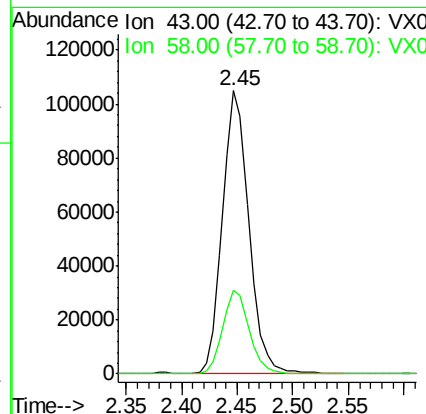
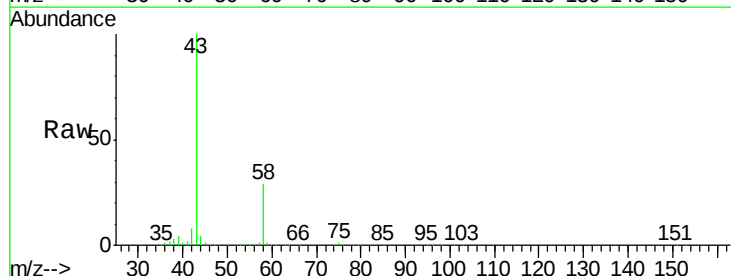
RT: 2.45 min Scan# 305

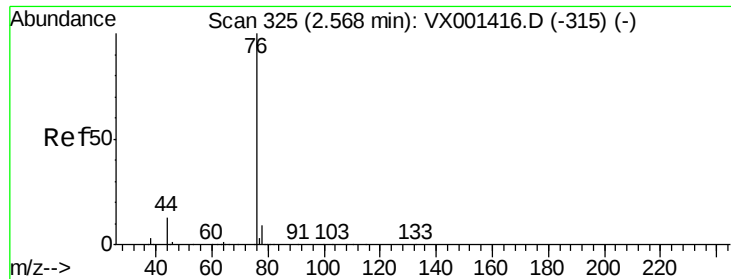
Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion:	43	Resp:	171963
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.8	35.8





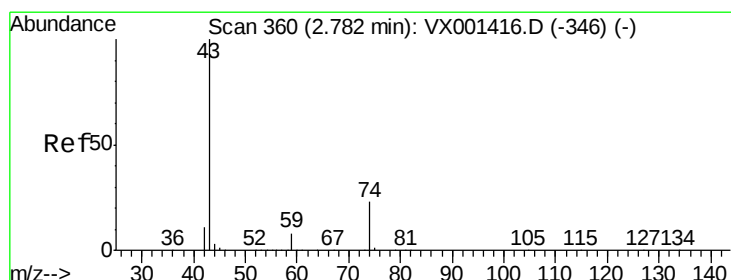
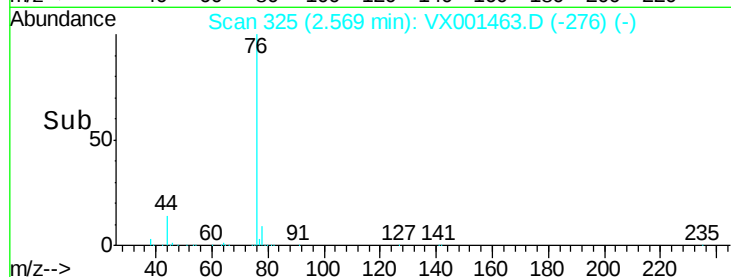
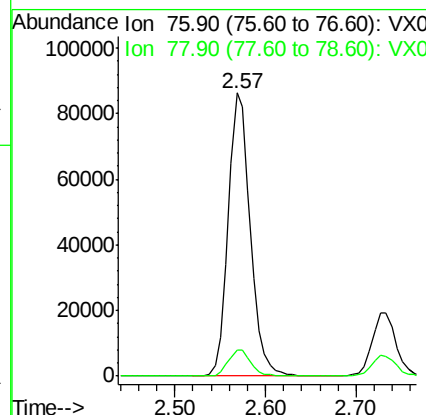
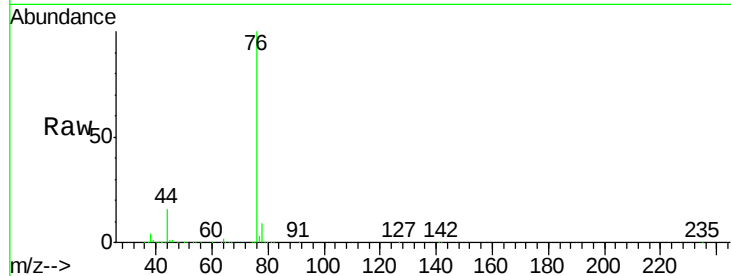
#17
Carbon Disulfide
Concen: 19.20 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

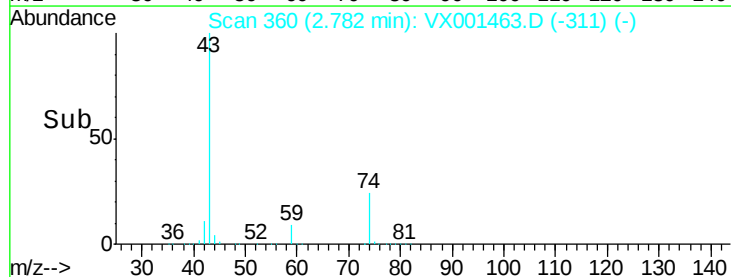
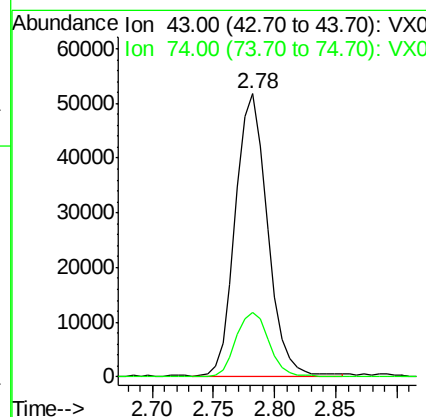
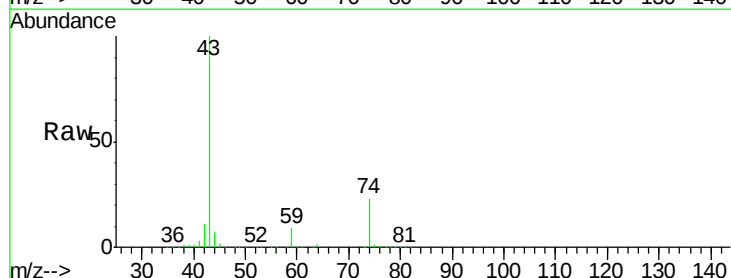
Manual Integrations
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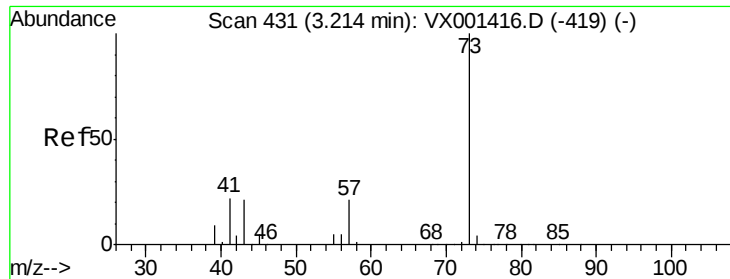
MMDadoda
5/9/2018 5:47:32 PM



#18
Methyl Acetate
Concen: 20.16 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.6	27.8





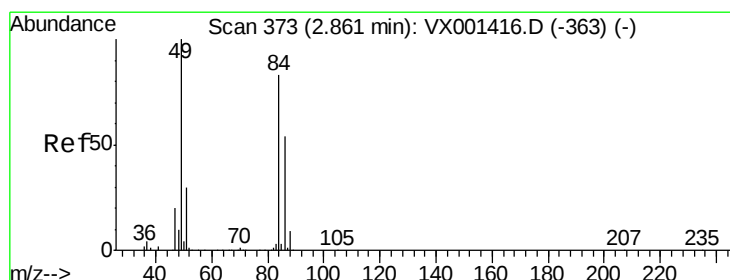
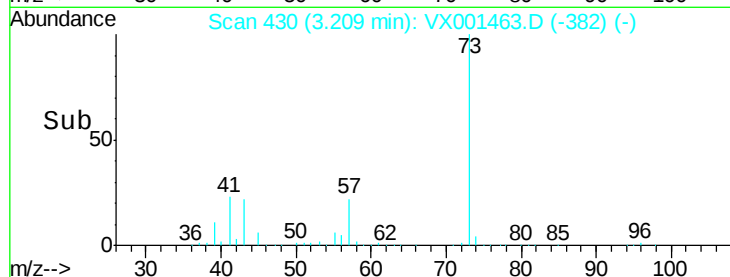
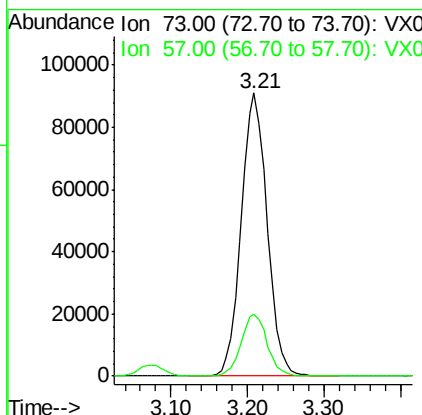
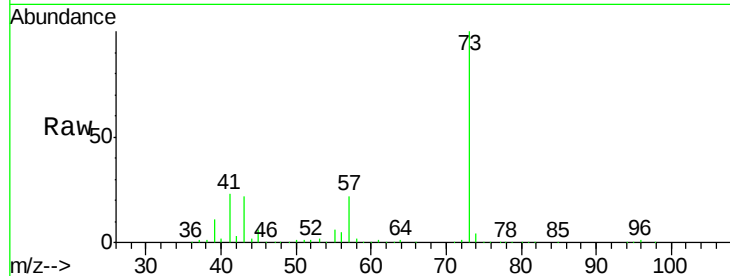
#19
Methvl tert-butvl Ether
Concen: 20.50 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion: 73 Resp: 213492
Ion Ratio Lower Upper
73 100
57 21.9 17.0 25.6

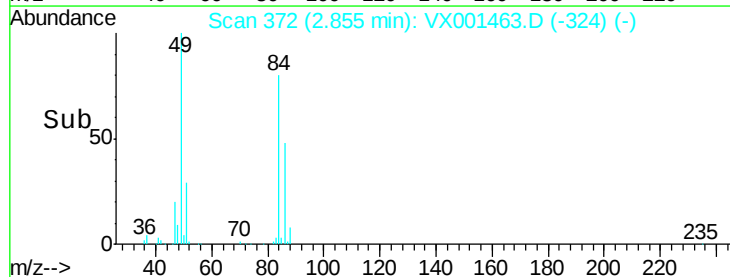
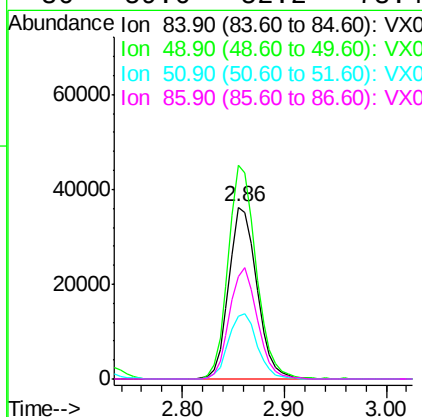
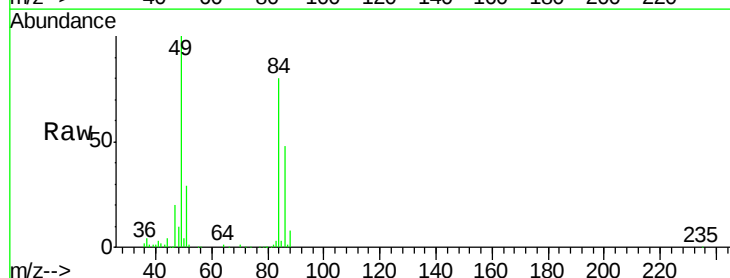
Manual Integrations
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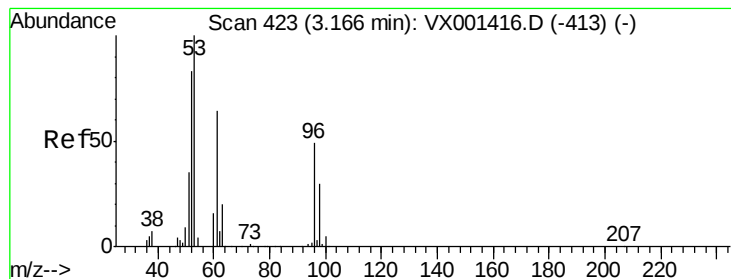
MMDadoda
5/9/2018 5:47:32 PM



#20
Methylene Chloride
Concen: 19.89 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion: 84 Resp: 69489
Ion Ratio Lower Upper
84 100
49 124.3 96.6 144.8
51 35.9 29.0 43.4
86 59.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

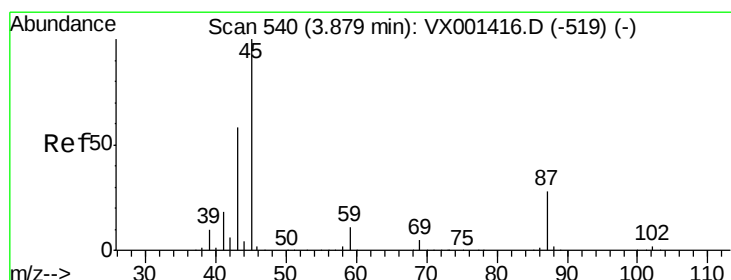
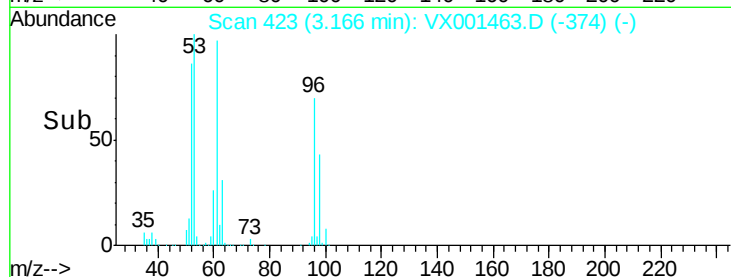
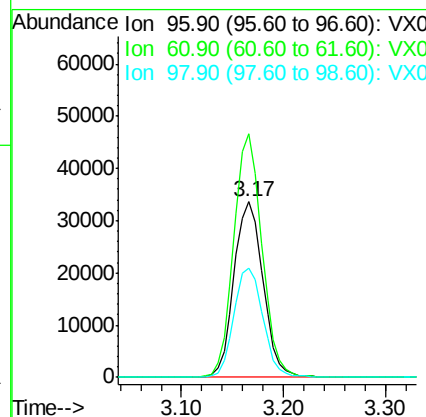
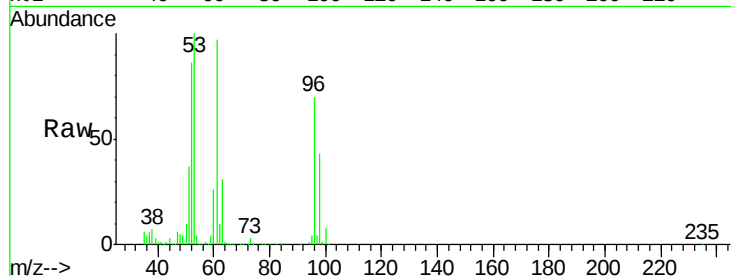
ClientSampleId :

VX0507WBS01

Tot Ion:	96	Resp:	66295
Ion	Ratio	Lower	Upper
96	100		
61	138.3	105.0	157.4
98	61.9	49.9	74.9

Manual Integrations
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5/9/2018 5:47:32 PM



#22

Diisopropyl ether

Concen: 19.25 ug/l

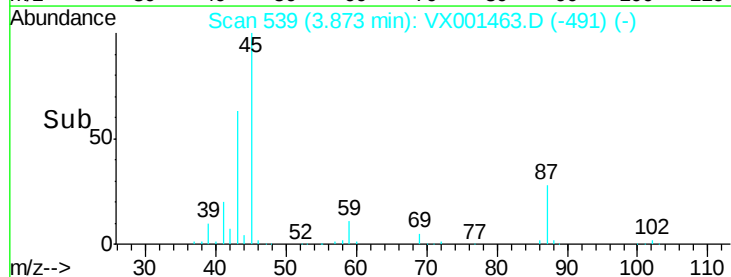
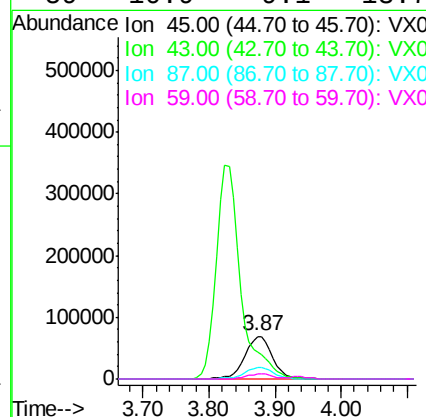
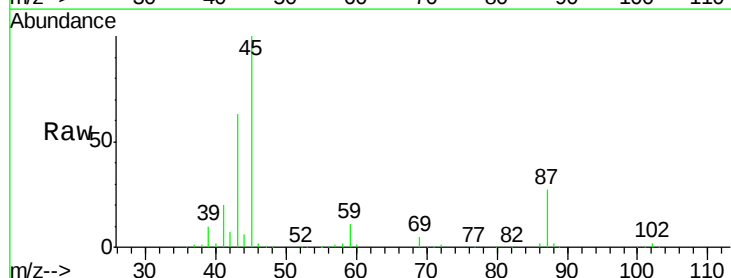
RT: 3.87 min Scan# 539

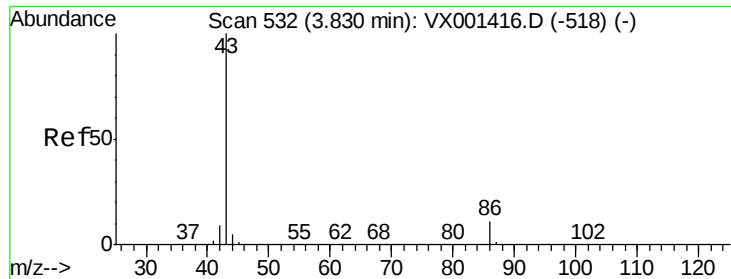
Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion:	45	Resp:	200654
Ion	Ratio	Lower	Upper
45	100		
43	62.3	46.5	69.7
87	27.5	22.6	34.0
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 102.97 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 43 Resp: 894405

Ion Ratio Lower Upper

43 100

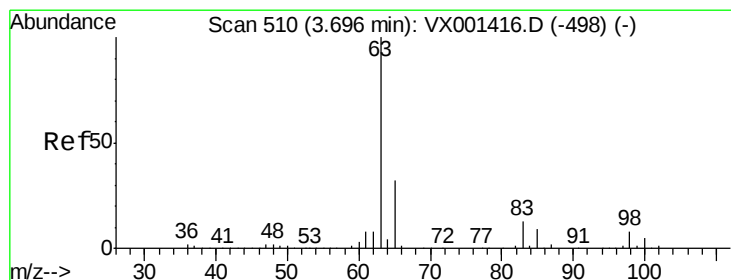
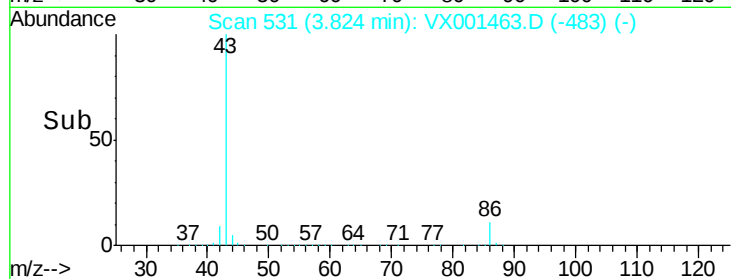
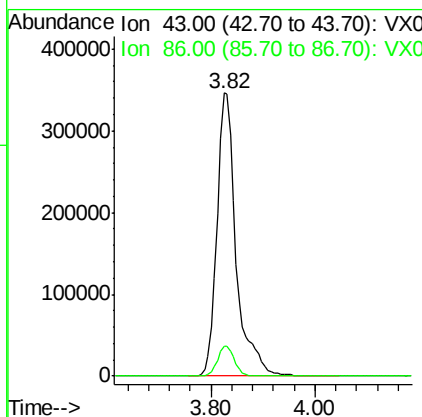
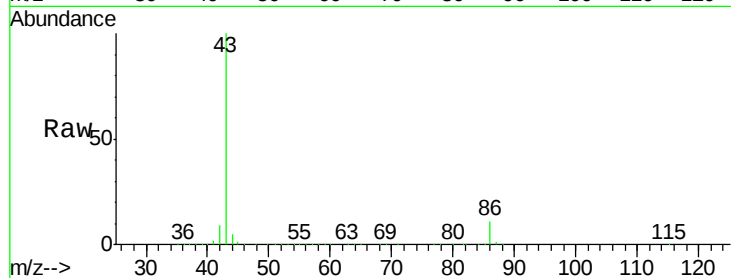
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

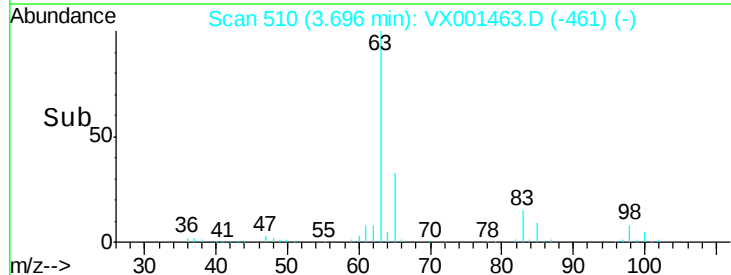
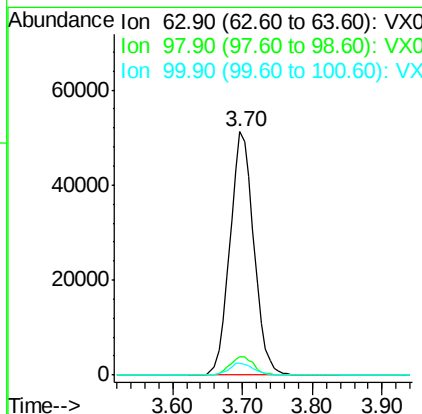
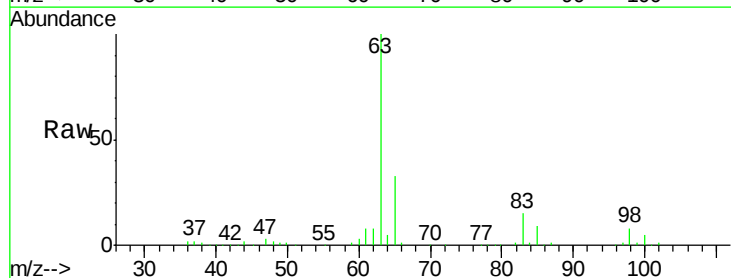
Tgt Ion: 63 Resp: 121156

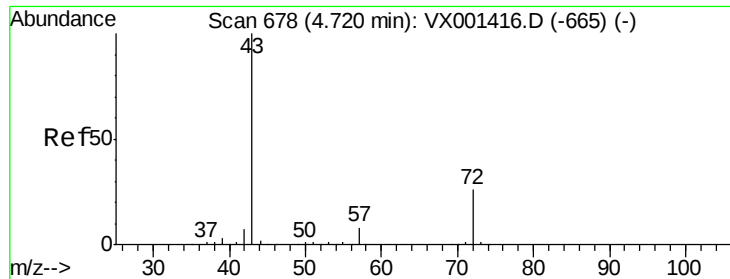
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 97.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS01

Tot Ion: 43 Resp: 248130

Ion Ratio Lower Upper

43 100

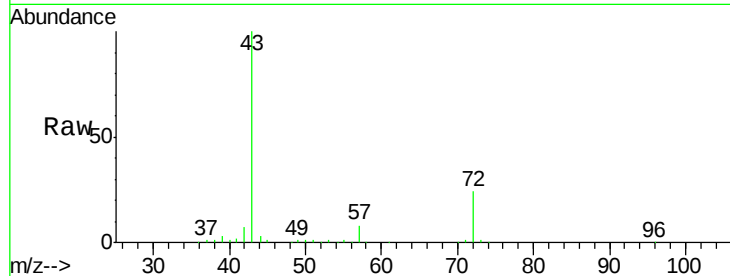
72 24.5 20.7 31.1

Manual Integrations

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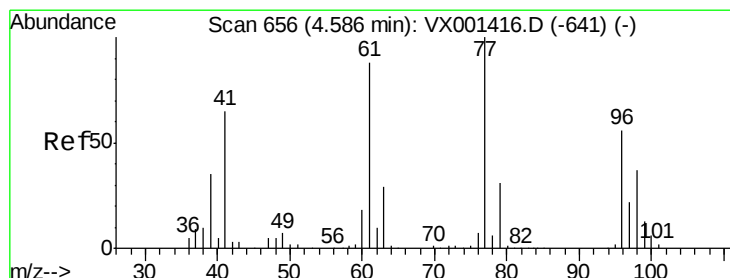
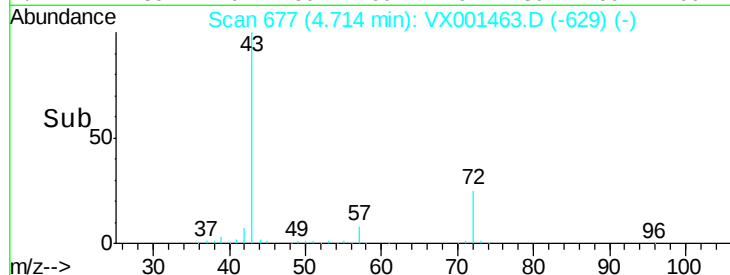
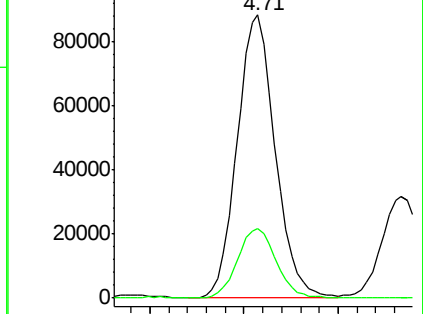
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.20 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX001463.D

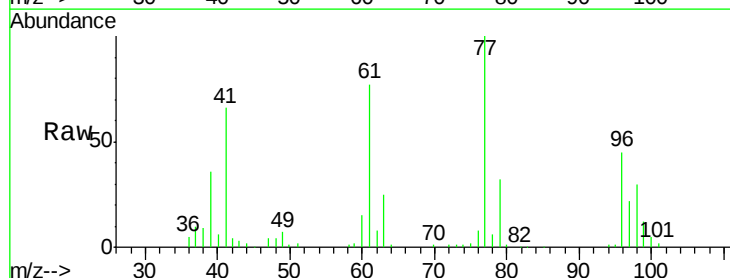
Acq: 07 May 2018 13:59

Tgt Ion: 77 Resp: 90820

Ion Ratio Lower Upper

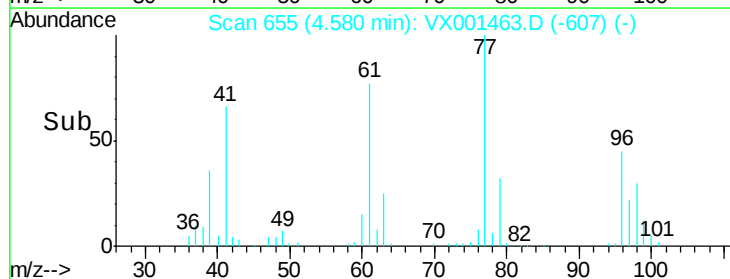
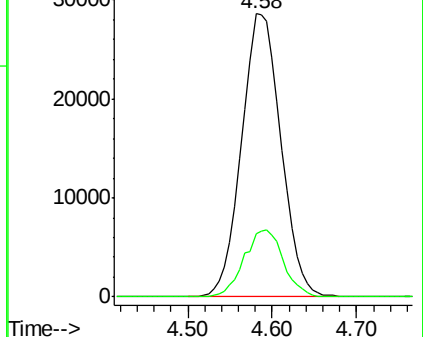
77 100

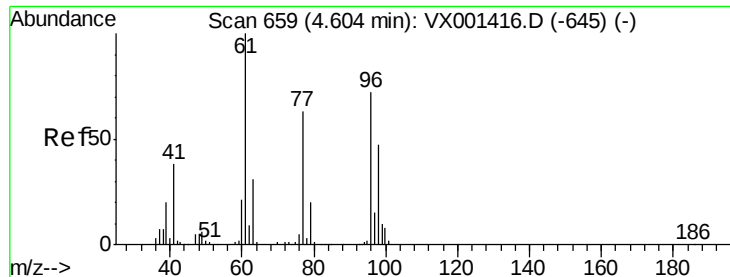
97 23.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

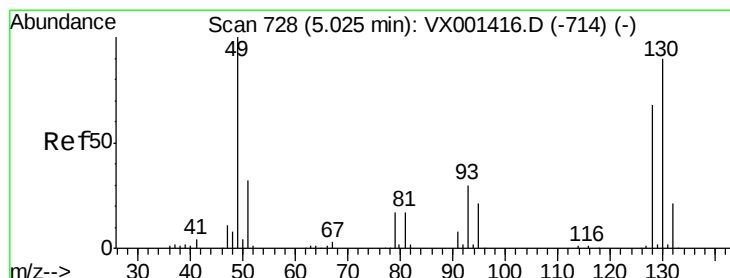
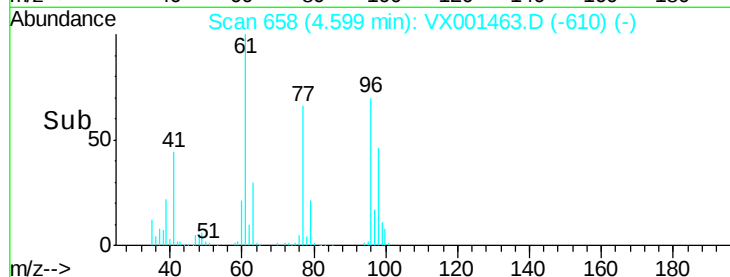
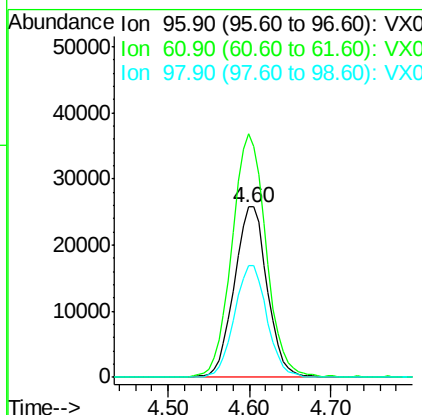
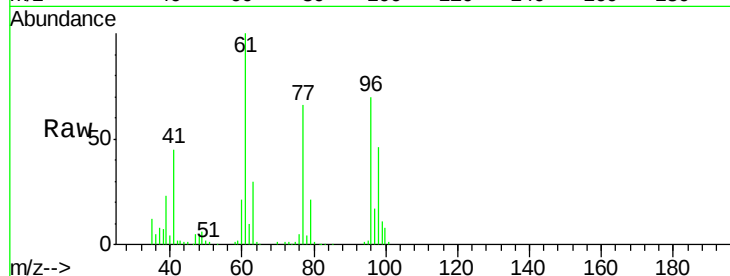
cis-1,2-Dichloroethene
Concen: 20.29 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	72165		
61	148.3		0.0	301.6
98	64.8		0.0	131.6

Manual Integrations
APPROVED

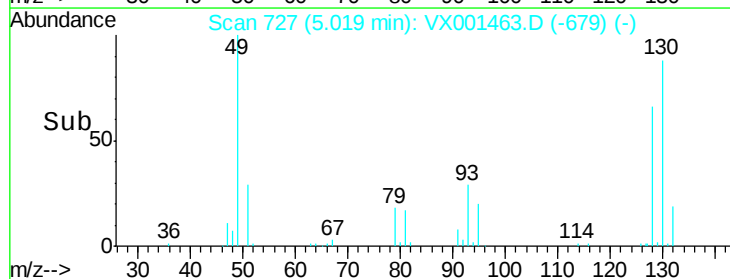
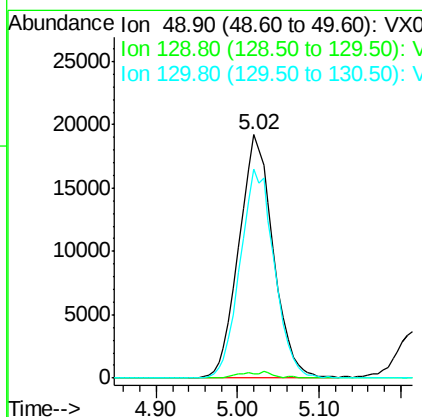
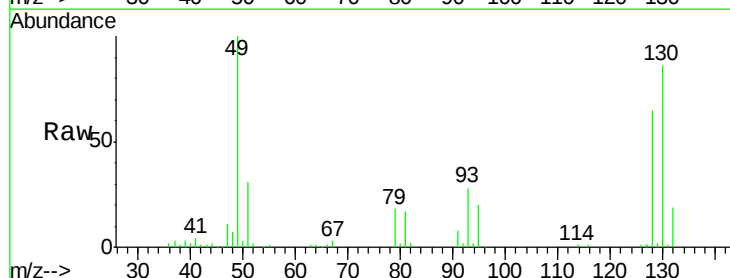
MMDadoda
5/9/2018 5:47:32 PM

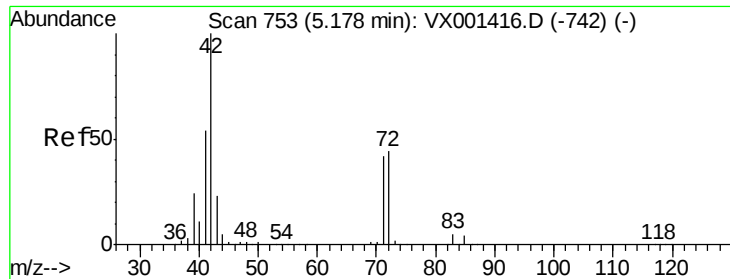


#28

Bromochloromethane
Concen: 22.28 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56245		
129	1.5		0.0	4.8
130	85.8		71.9	107.9





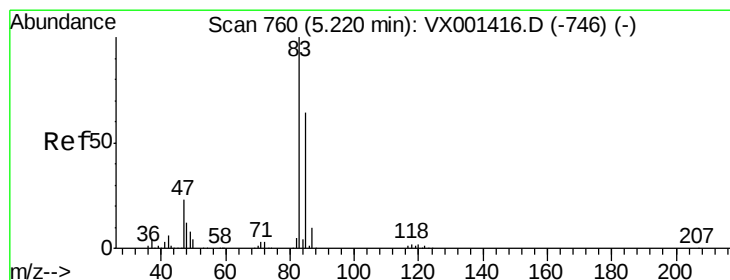
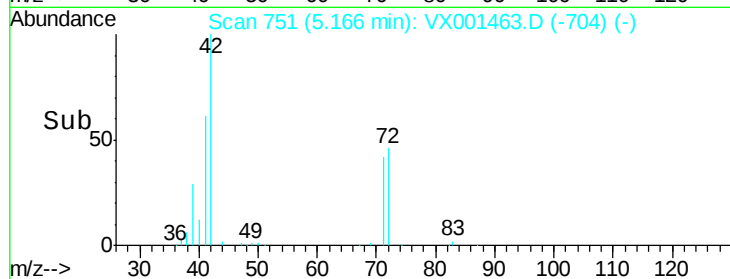
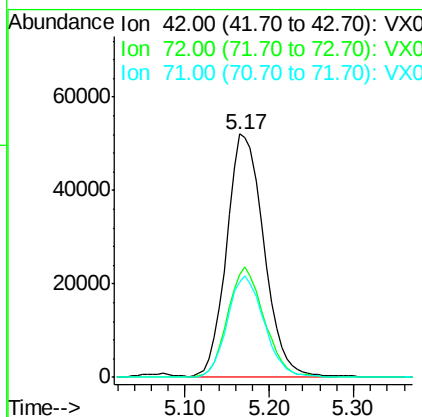
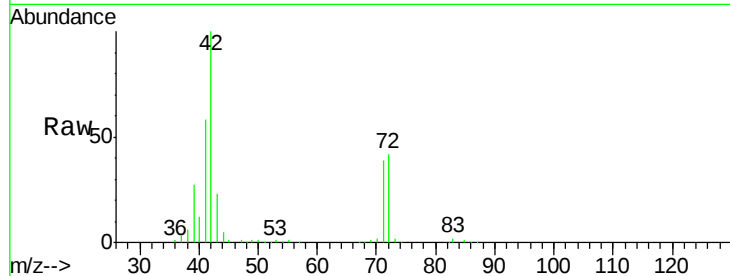
#29
Tetrahydrofuran
Concen: 95.09 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.4	53.2
71	41.7	33.0	49.4

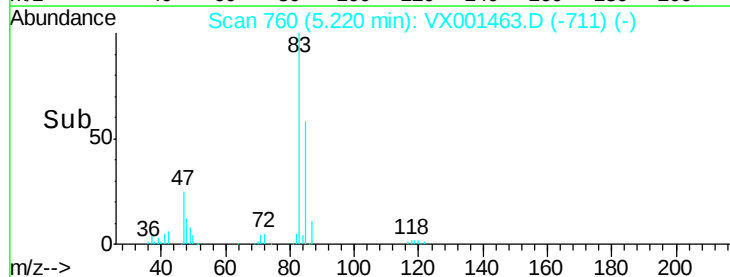
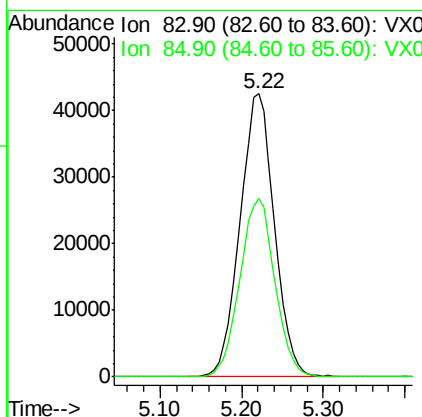
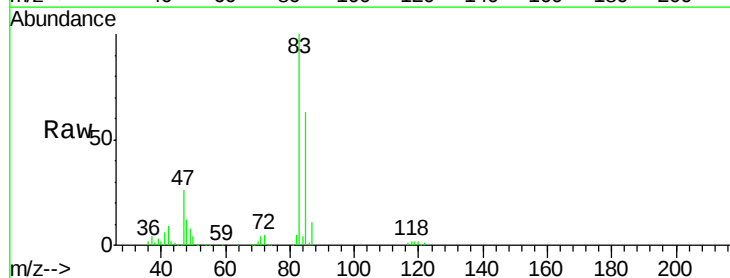
Manual Integrations
APPROVED

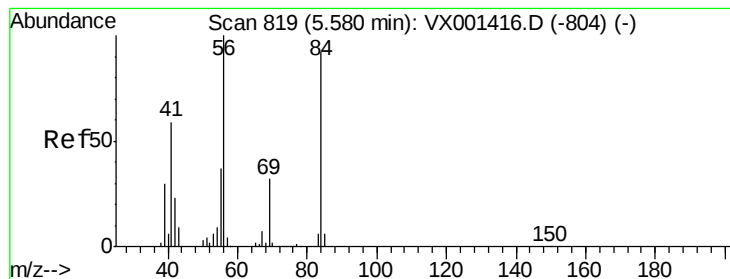
MMDadoda
5/9/2018 5:47:32 PM



#30
Chloroform
Concen: 20.77 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.4





#31

Cyclohexane

Concen: 19.96 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 56 Resp: 99795

Ion Ratio Lower Upper

56 100

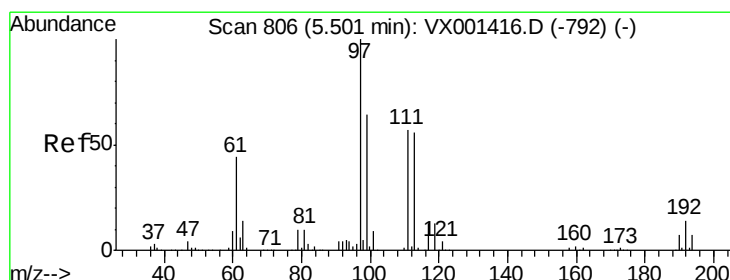
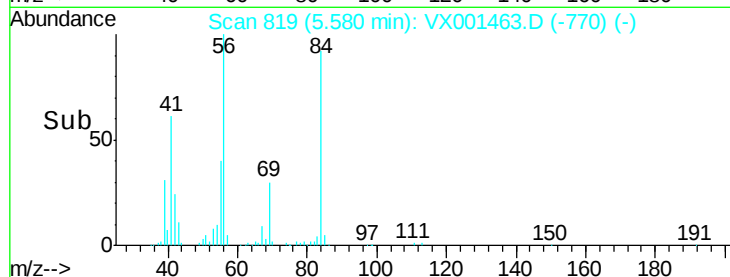
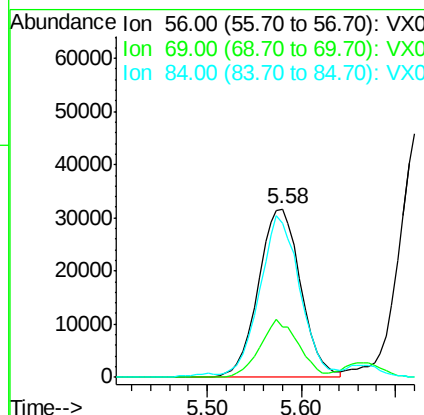
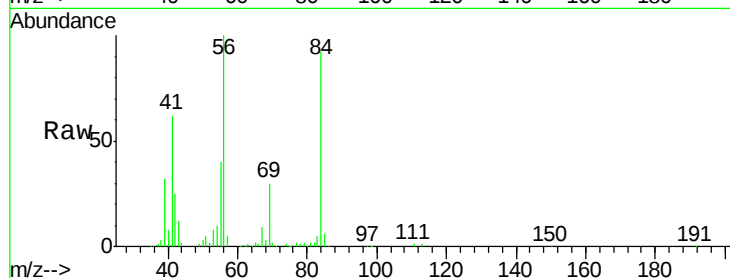
69 30.3 25.4 38.0

84 90.5 73.8 110.8

Manual Integrations
APPROVED

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5/9/2018 5:47:32 PM



#32

1,1,1-Trichloroethane

Concen: 20.91 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

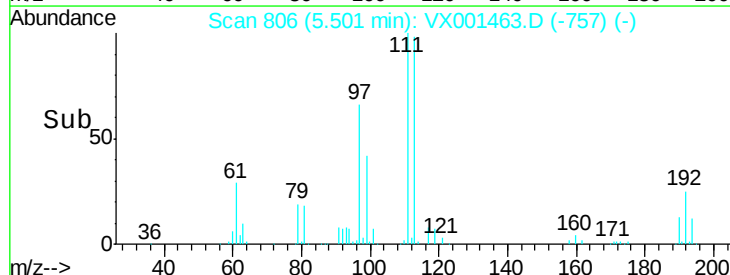
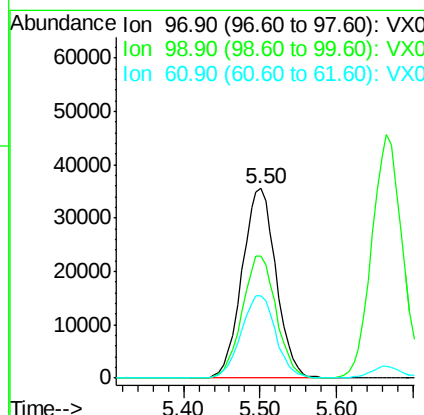
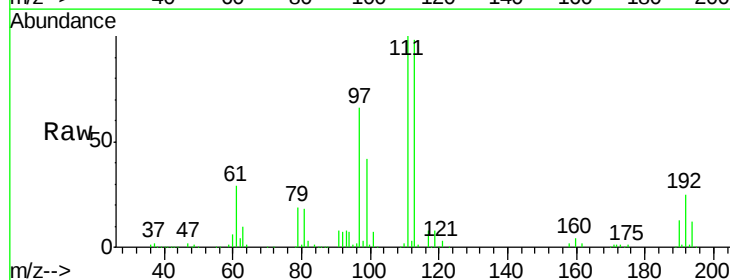
Tgt Ion: 97 Resp: 109608

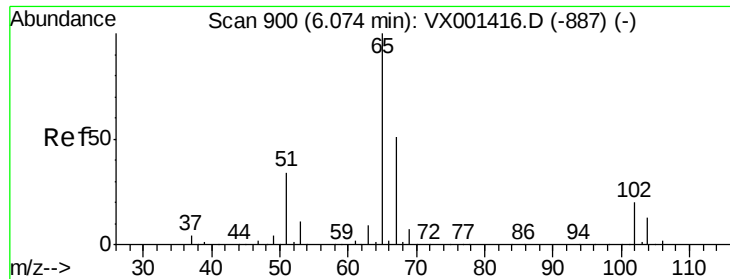
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 44.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 50.49 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 65 Resp: 196196

Ion Ratio Lower Upper

65 100

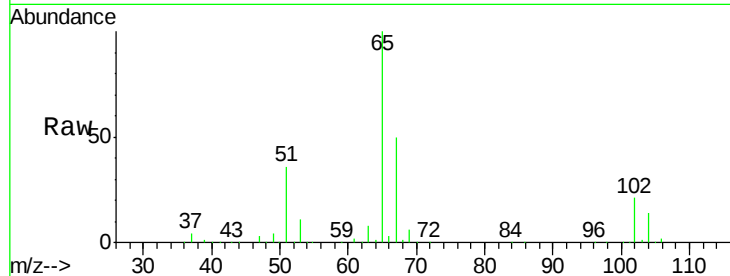
67 50.1 0.0 101.8

Manual Integrations

APPROVED

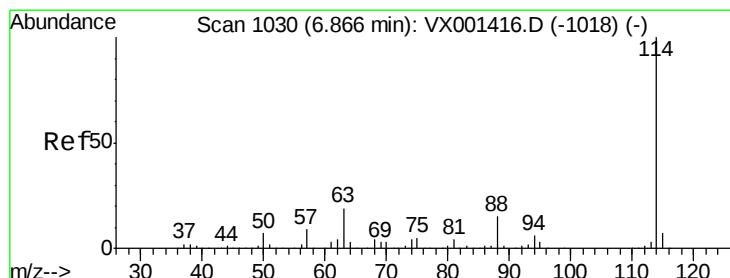
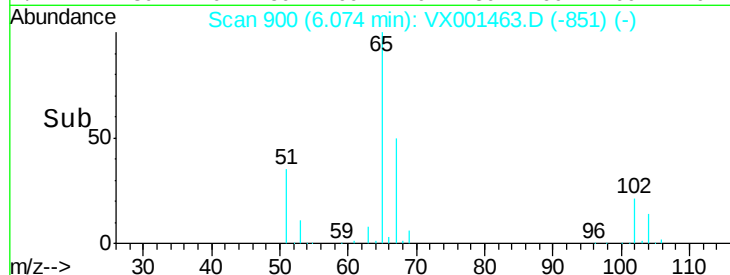
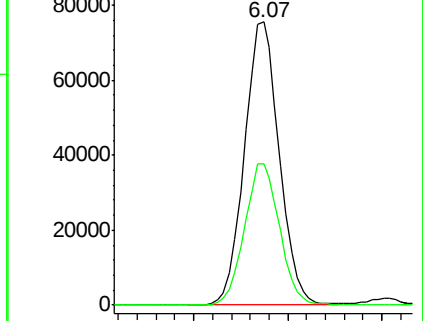
MMDadoda

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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: VX001463.D

Acq: 07 May 2018 13:59

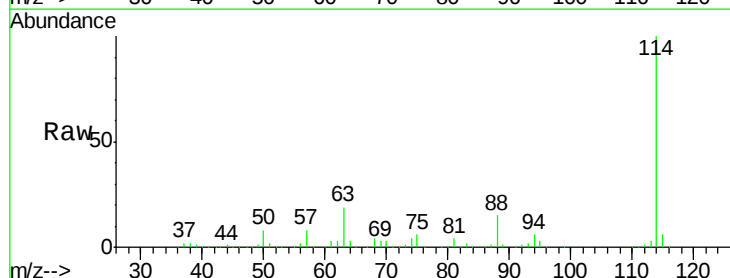
Tgt Ion: 114 Resp: 345578

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

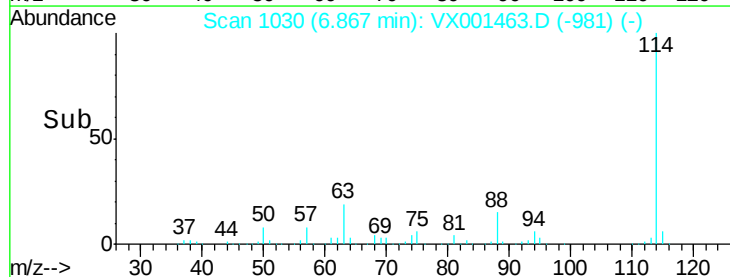
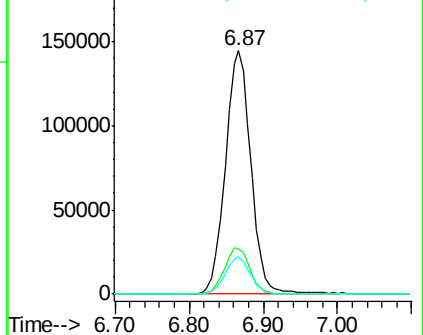
88 15.3 0.0 30.8



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





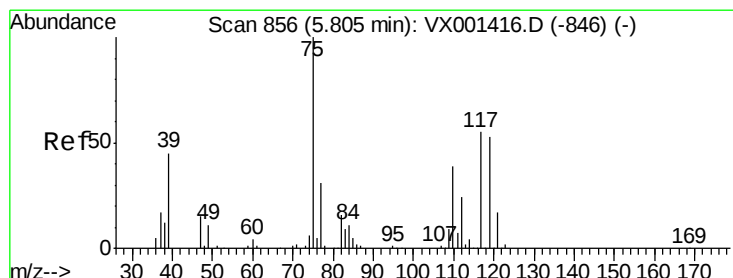
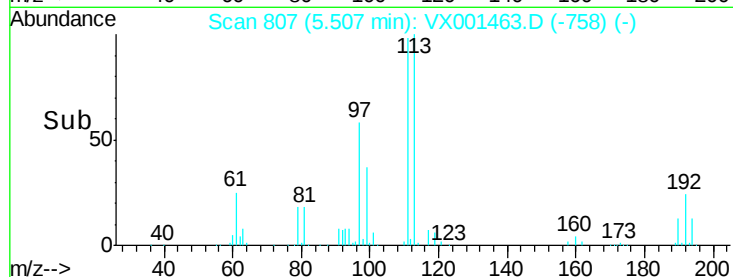
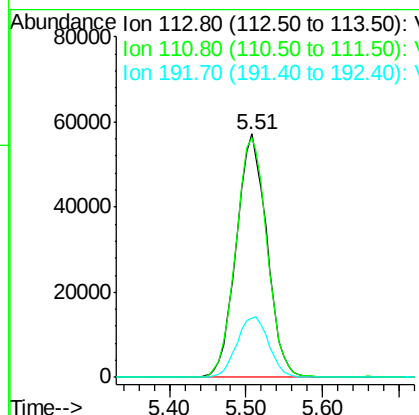
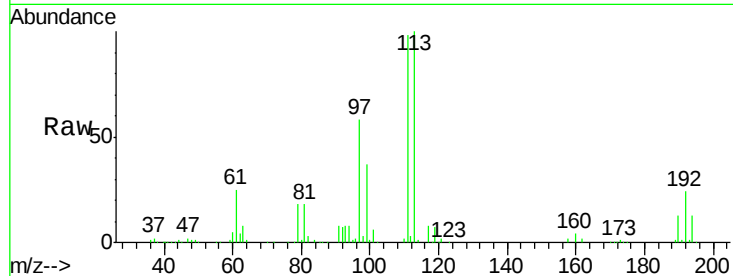
#35
Dibromofluoromethane
Concen: 51.57 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158527		
111	100.5	82.2	123.2	
192	26.0	21.4	32.0	

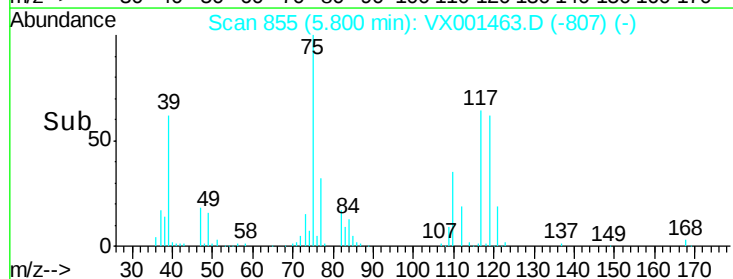
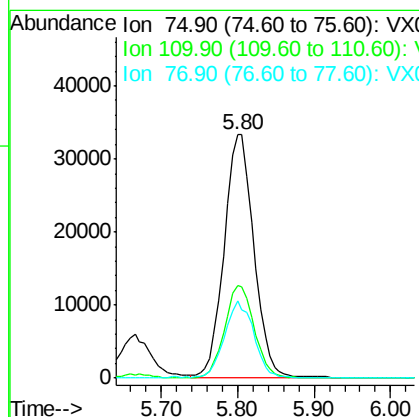
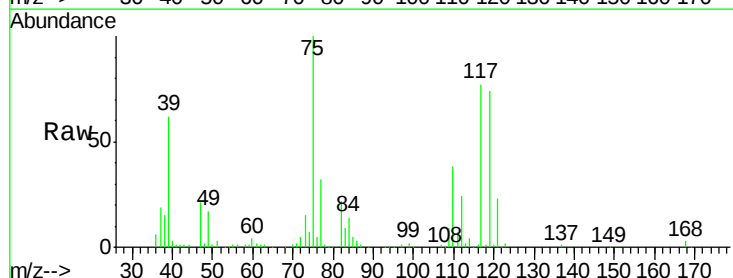
Manual Integrations
APPROVED

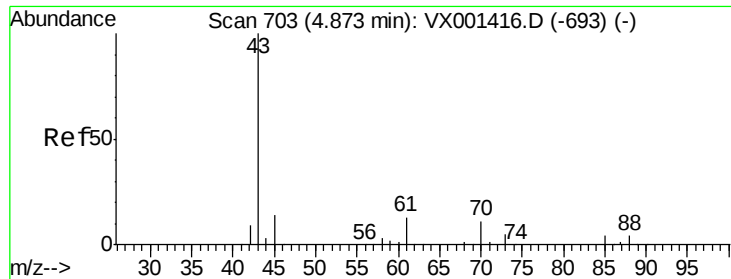
MMDadoda
5/9/2018 5:47:32 PM



#36
1,1-Dichloropropene
Concen: 20.25 ug/l
RT: 5.80 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89013		
110	38.0	18.9	56.7	
77	31.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 19.69 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

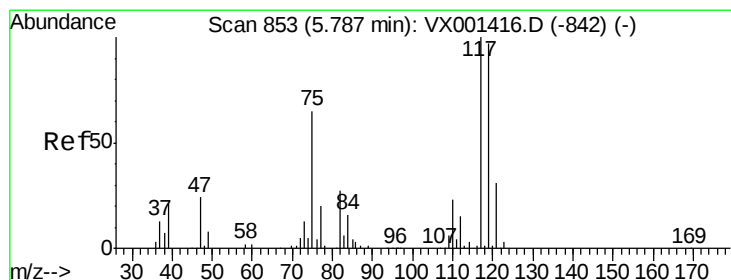
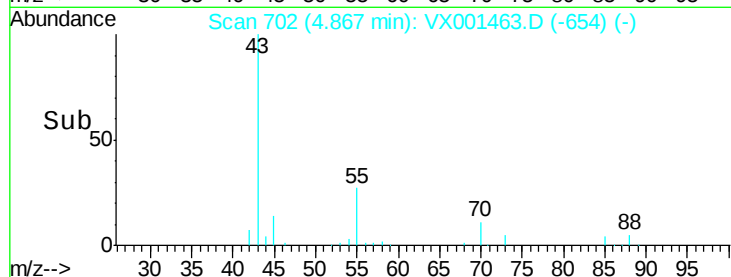
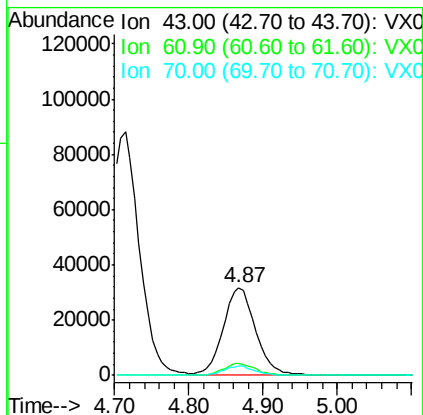
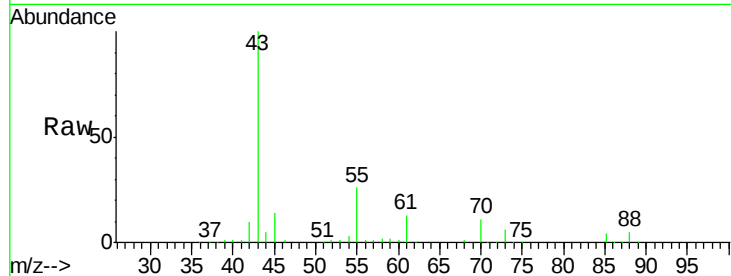
ClientSampleId :

VX0507WBS01

Tot Ion:	43	Resp:	94864
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
5/9/2018 5:47:32 PM



#38

Carbon Tetrachloride

Concen: 21.06 ug/l

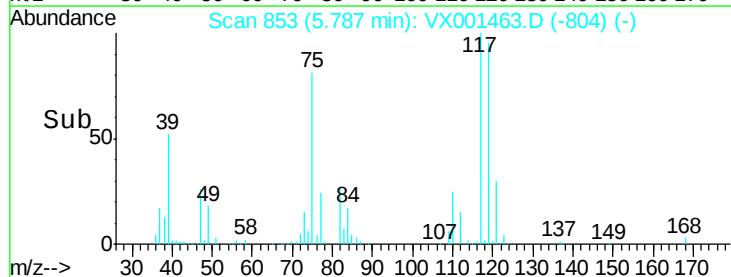
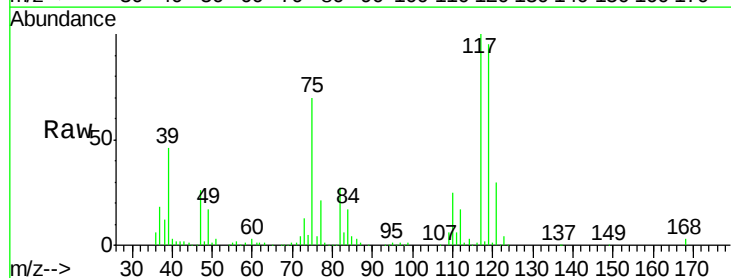
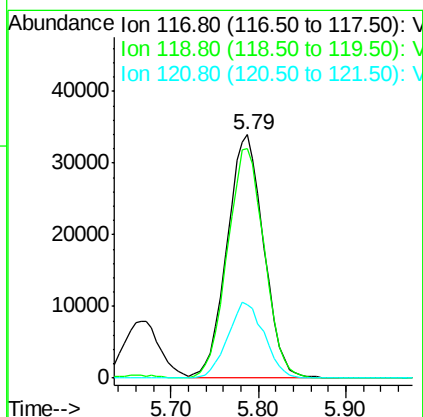
RT: 5.79 min Scan# 853

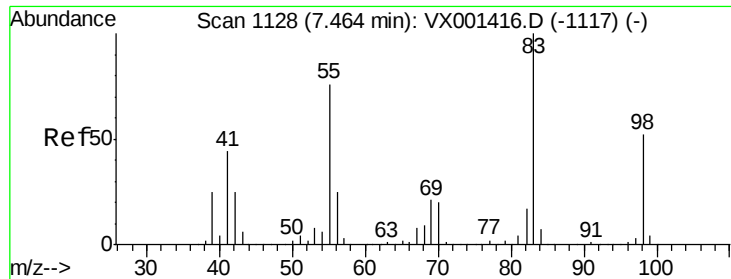
Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion:	117	Resp:	98747
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	30.1	25.1	37.7





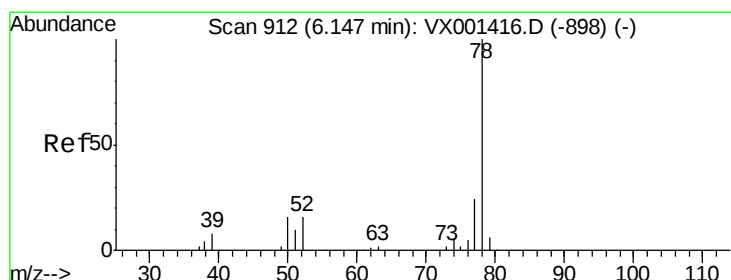
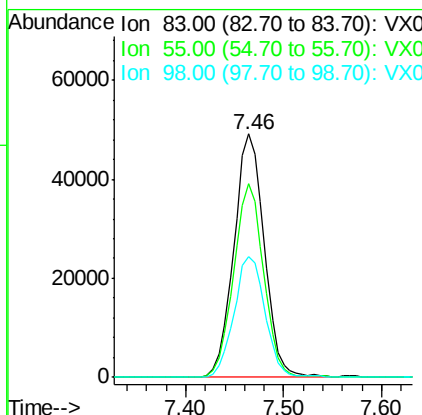
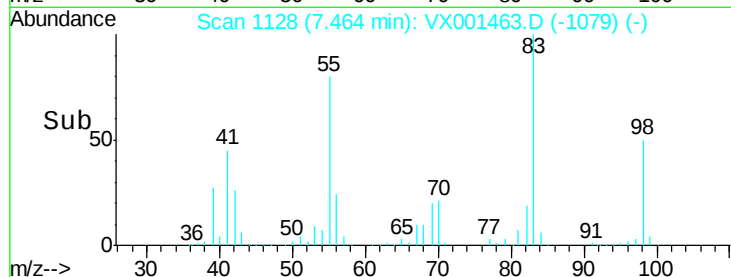
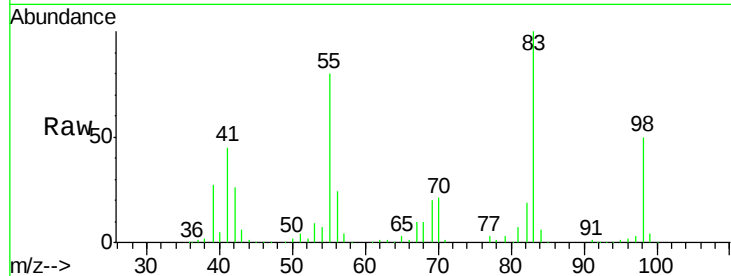
#39
Methvlcvclohexane
Concen: 20.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	60.9	91.3
98	49.7	41.9	62.9

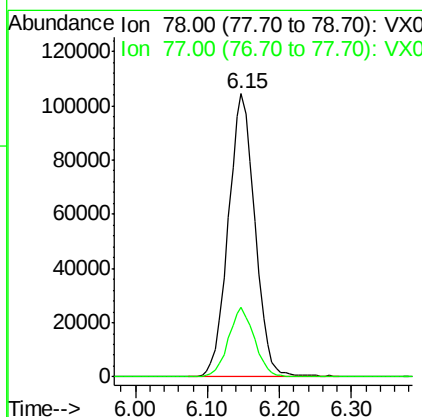
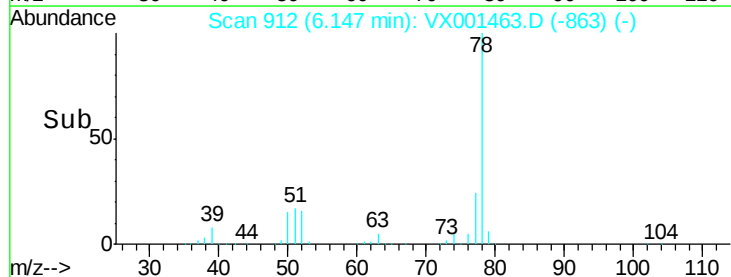
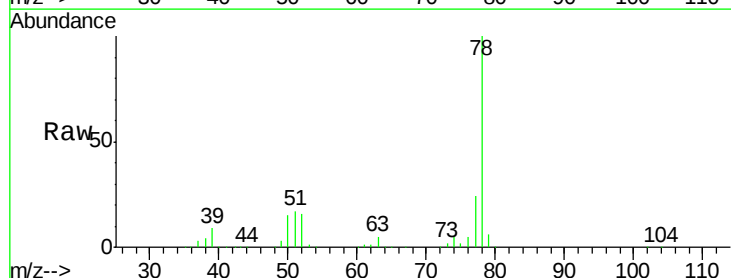
Manual Integrations
APPROVED

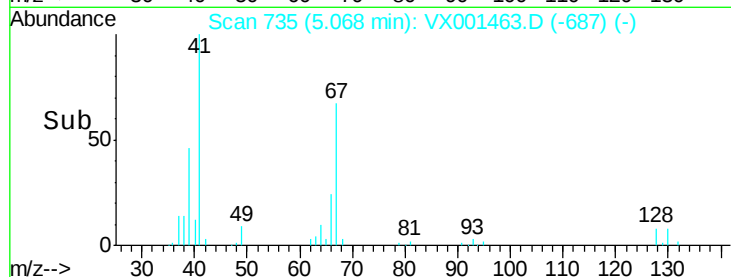
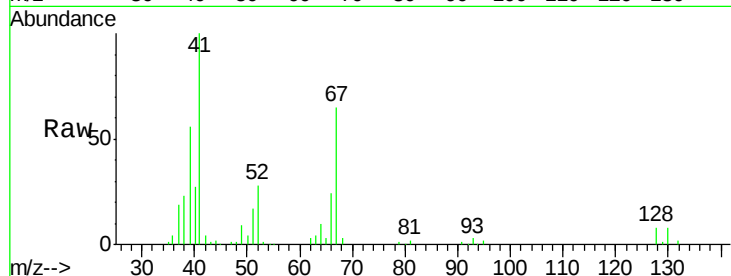
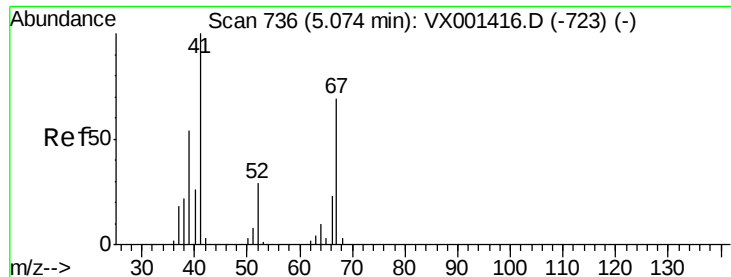
MMDadoda
5/9/2018 5:47:32 PM



#40
Benzene
Concen: 20.96 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.2





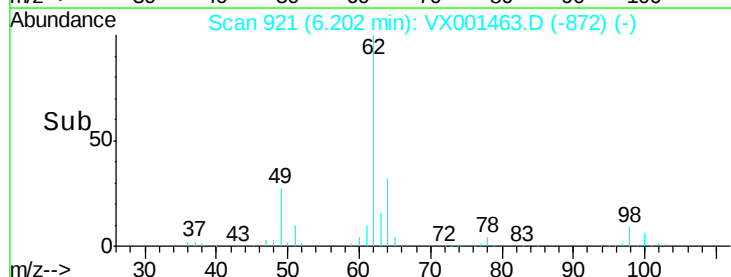
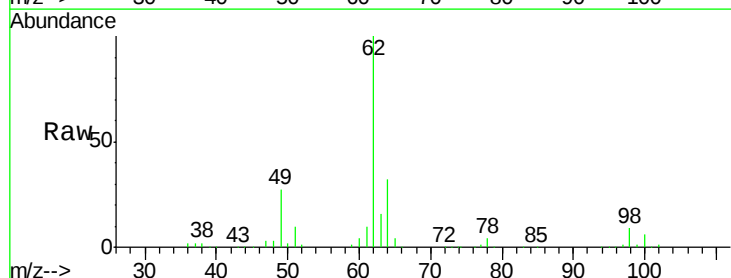
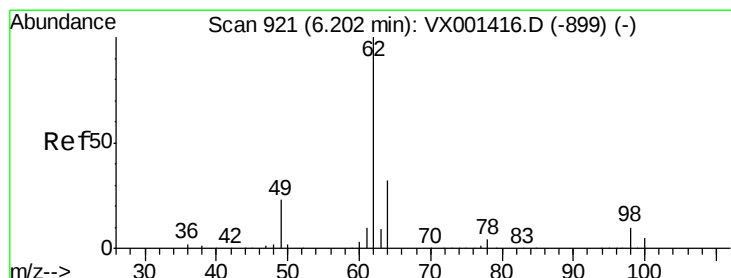
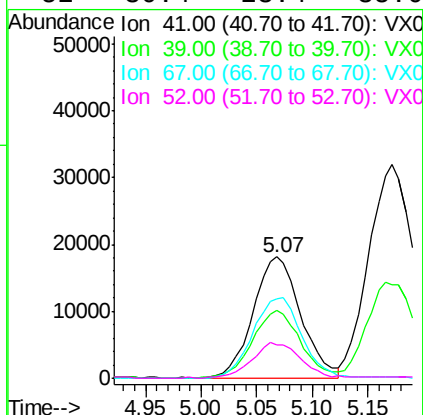
#41
Methacrylonitrile
Concen: 19.69 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.5	45.0	67.6		
67	67.8	55.0	82.6		
52	30.4	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

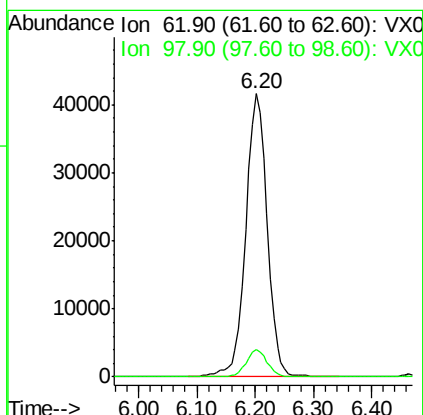
Manual Integrations
APPROVED

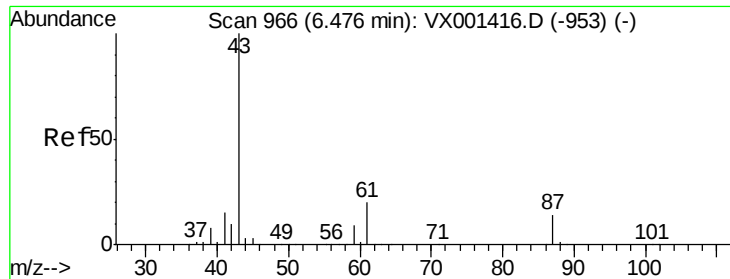
MMDadoda
5/9/2018 5:47:32 PM



#42
1,2-Dichloroethane
Concen: 21.56 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.3	0.0	19.0		





#43

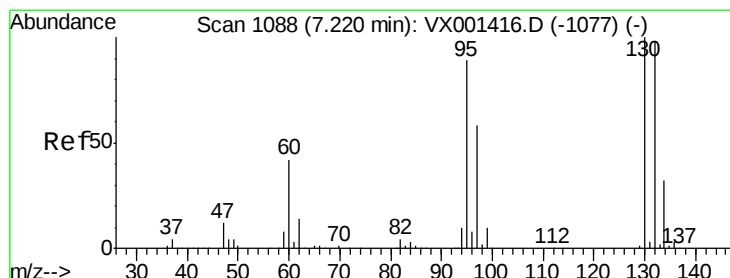
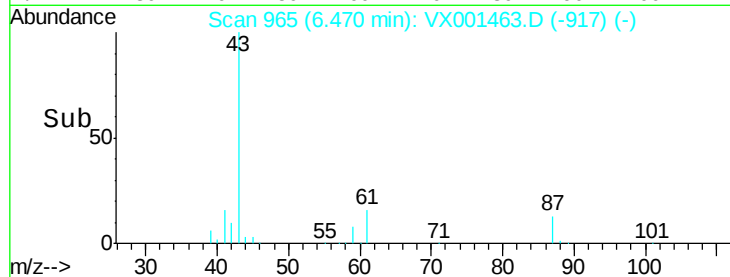
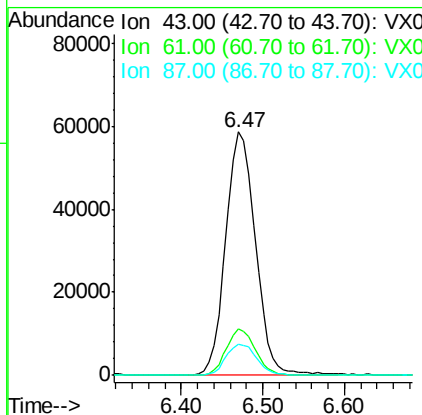
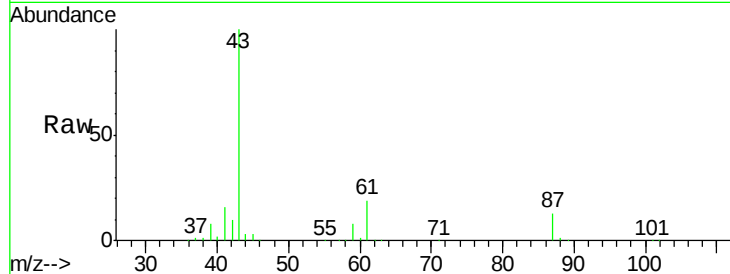
Isopropyl Acetate
 Concen: 19.88 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	13.3	10.8	16.2

Manual Integrations
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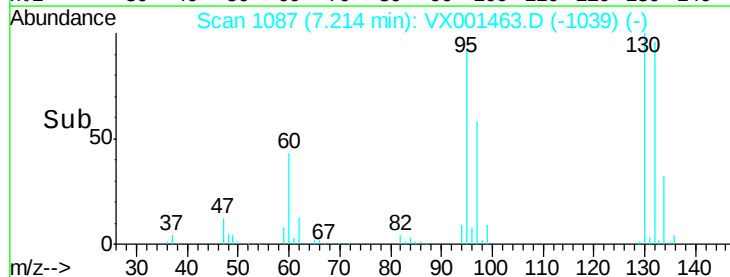
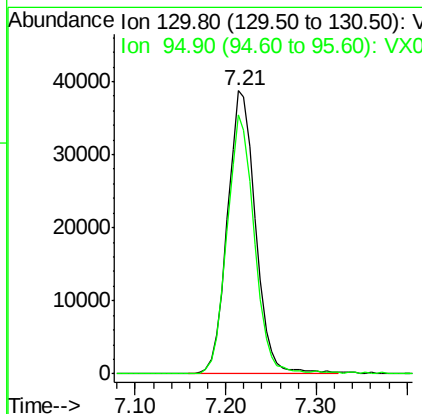
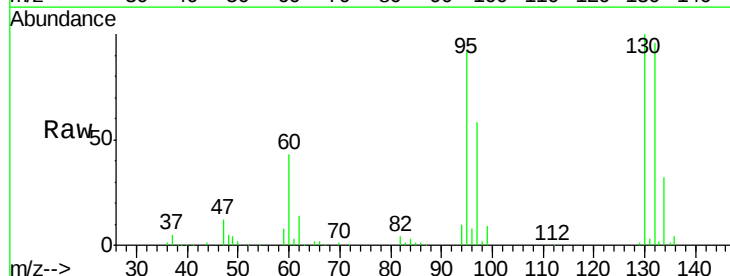
MMDadoda
 5/9/2018 5:47:32 PM

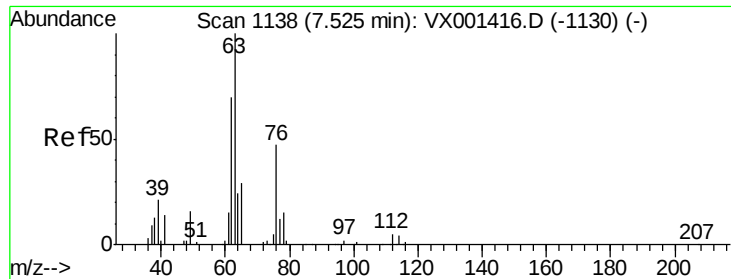


#44

Trichloroethene
 Concen: 21.24 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	178.4





#45

1,2-Dichloropropane

Concen: 20.92 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 63 Resp: 66969

Ion Ratio Lower Upper

63 100

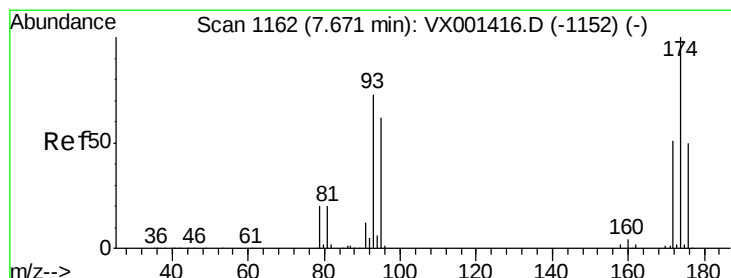
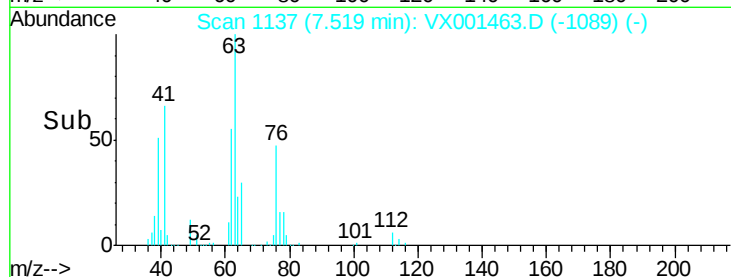
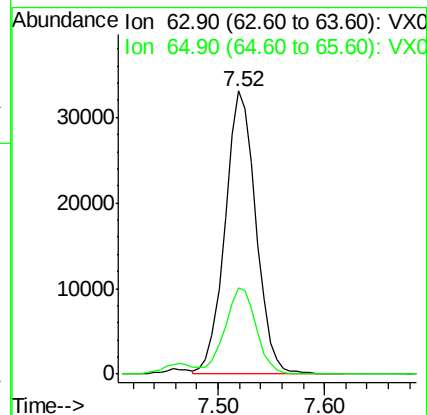
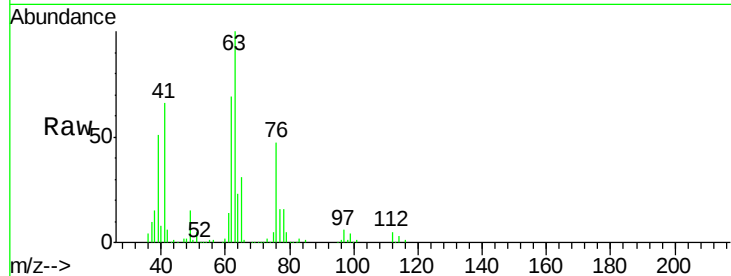
65 30.3 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.97 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

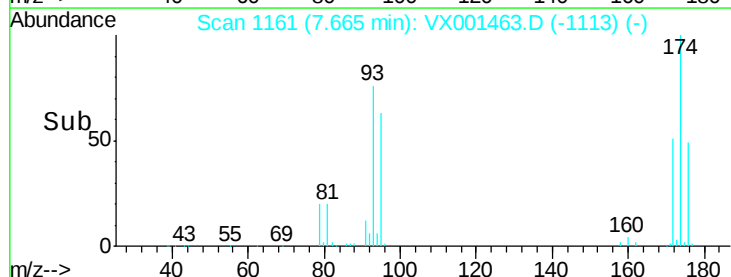
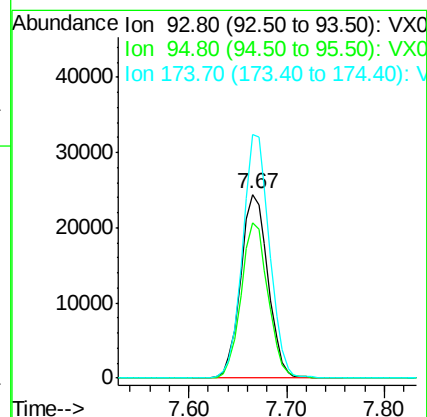
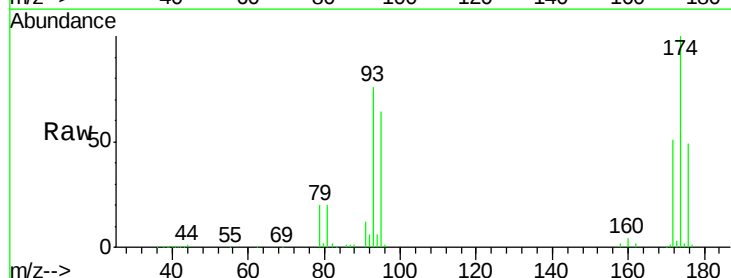
Tgt Ion: 93 Resp: 47524

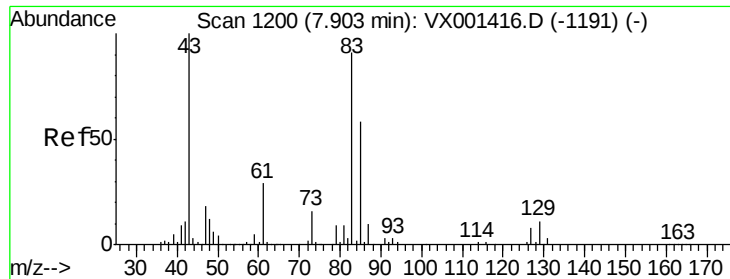
Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.4

174 129.8 104.5 156.7





#47

Bromodichloromethane

Concen: 20.99 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

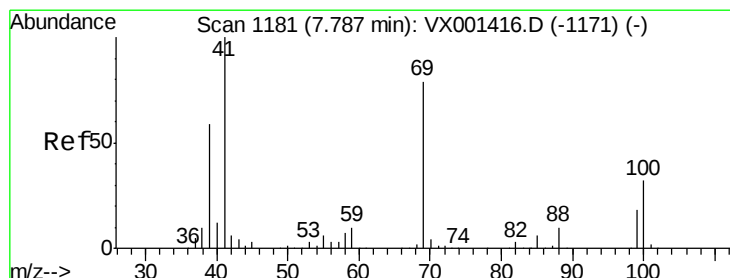
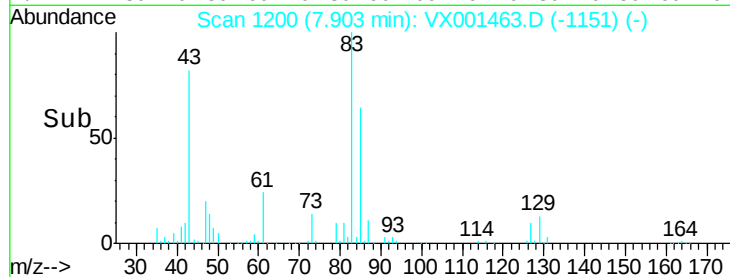
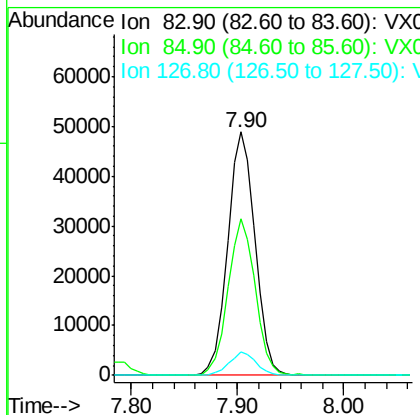
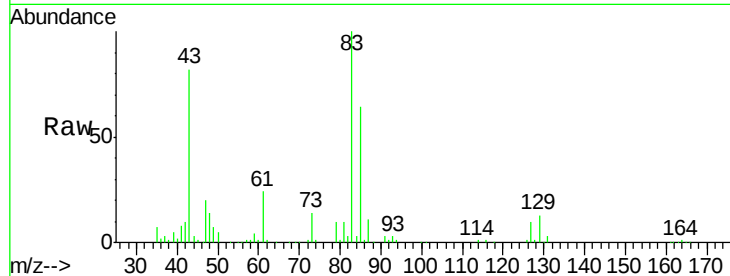
ClientSampleId :

VX0507WBS01

Tot Ion:	83	Resp:	88020
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.6
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.16 ug/l

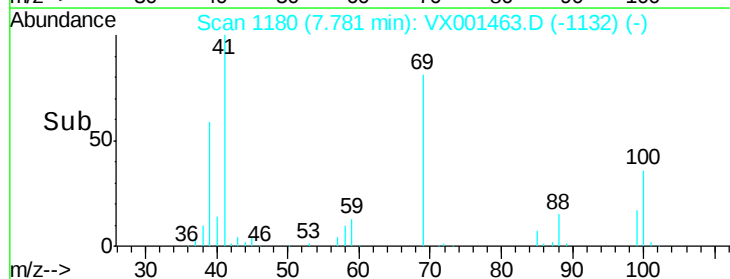
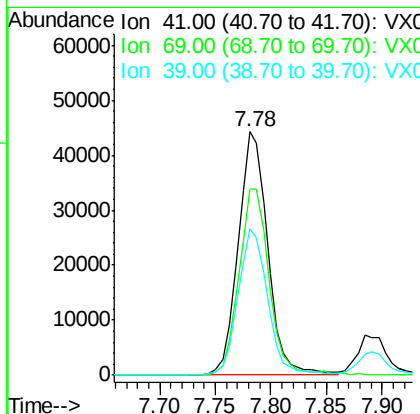
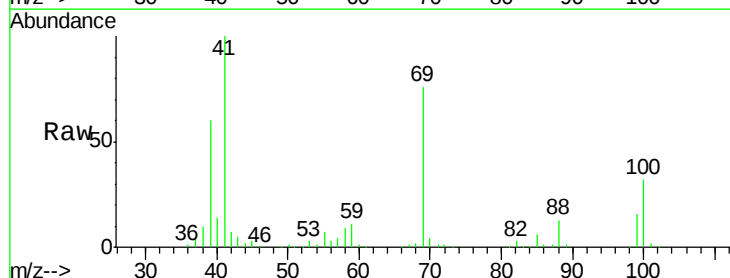
RT: 7.78 min Scan# 1180

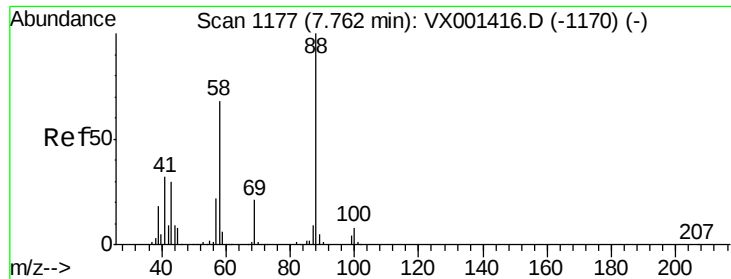
Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion:	41	Resp:	81187
Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.4	95.2
39	59.7	47.0	70.4





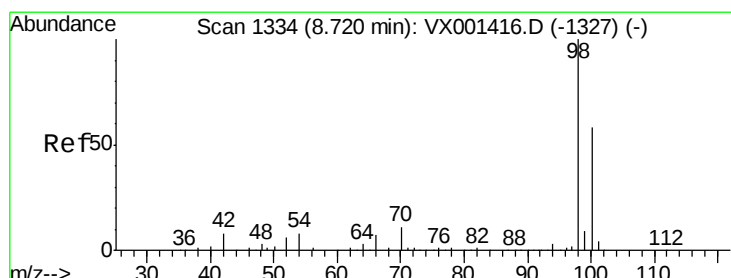
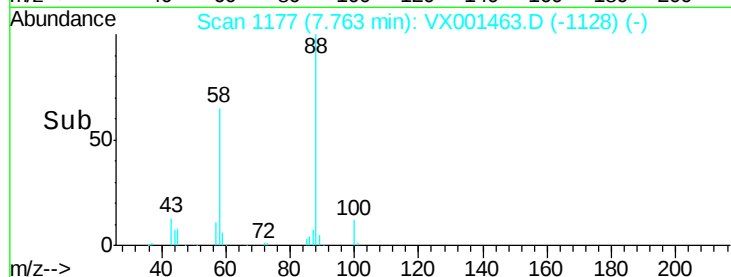
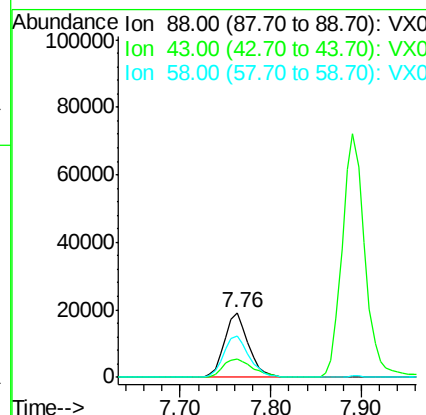
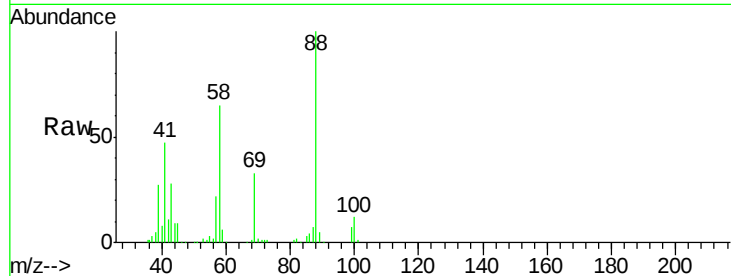
#49
1,4-Dioxane
Concen: 405.77 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	26.4	39.6
58	68.9	54.1	81.1

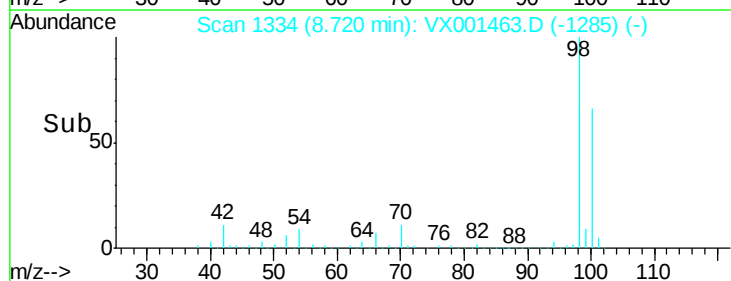
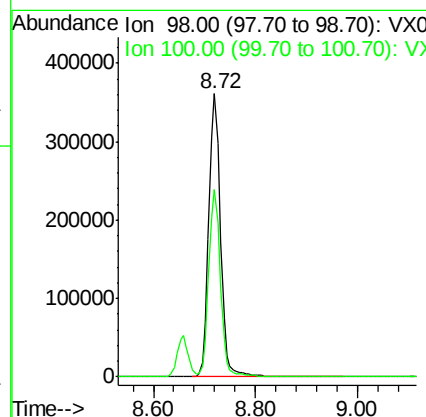
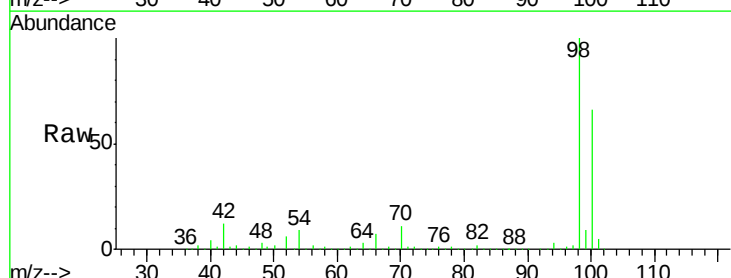
Manual Integrations
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#50
Toluene-d8
Concen: 51.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 101.73 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 43 Resp: 500059

Ion Ratio Lower Upper

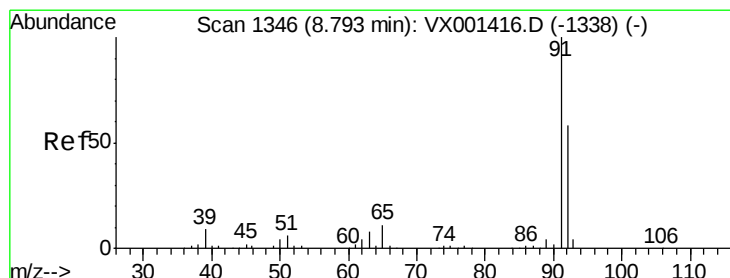
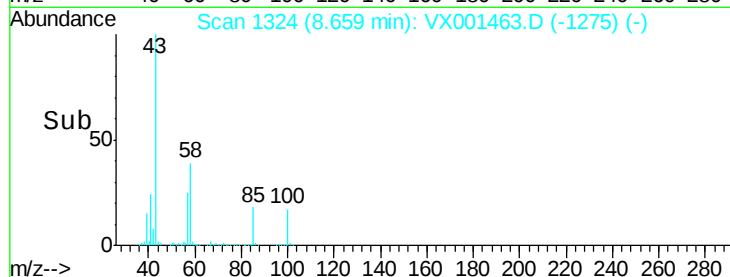
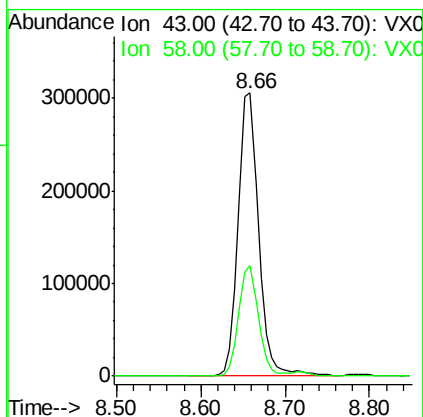
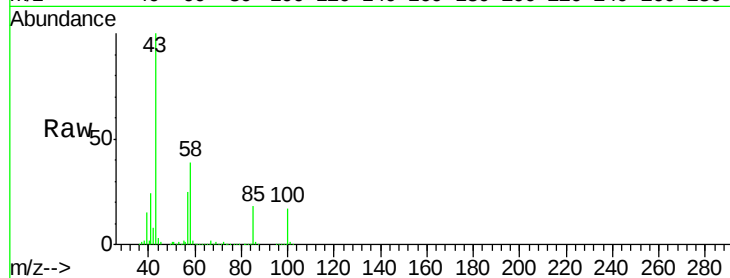
43 100

58 37.6 30.8 46.2

Manual Integrations
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#52

Toluene

Concen: 21.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001463.D

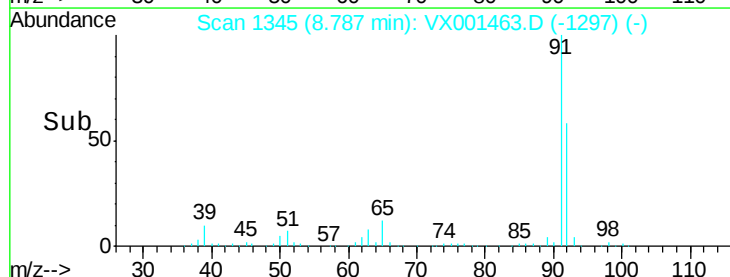
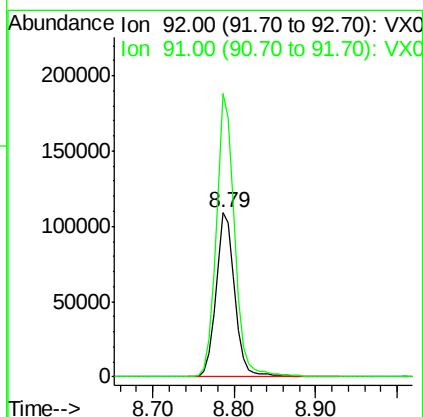
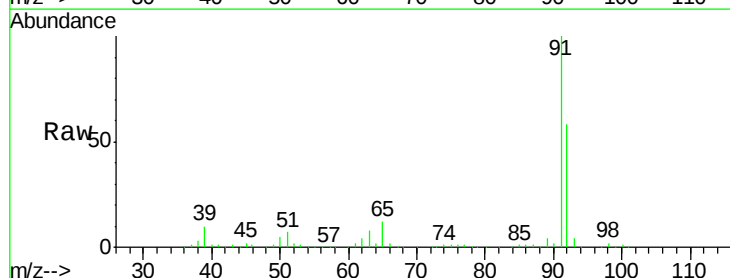
Acq: 07 May 2018 13:59

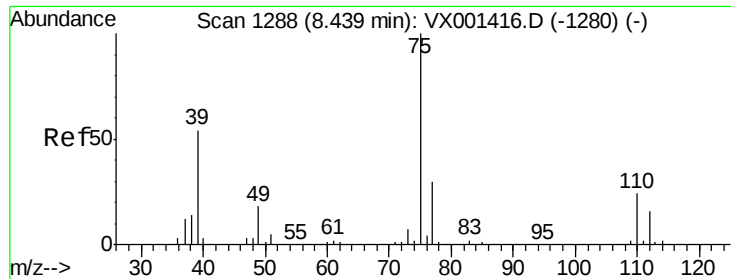
Tgt Ion: 92 Resp: 178093

Ion Ratio Lower Upper

92 100

91 168.6 135.2 202.8





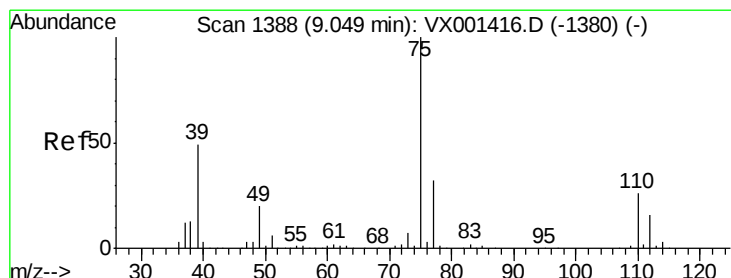
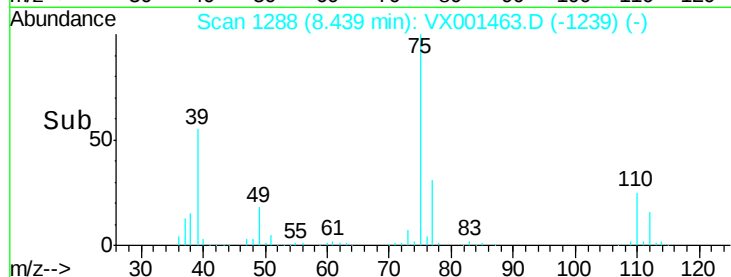
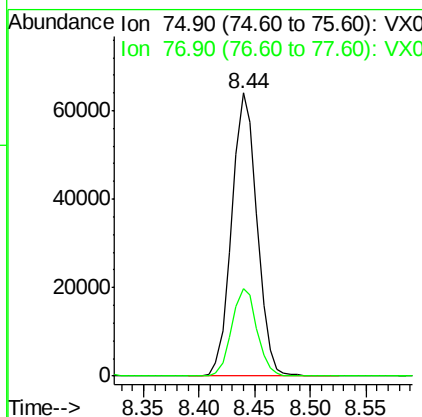
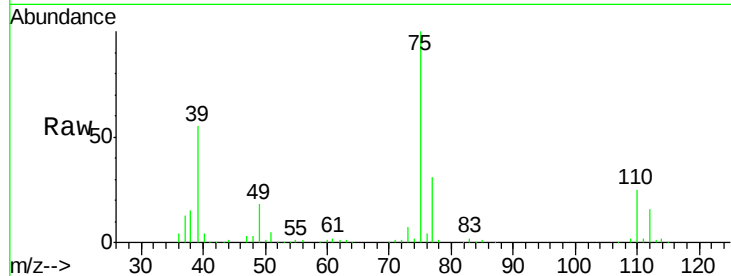
#53
t-1,3-Dichloropropene
Concen: 21.28 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion: 75 Resp: 100872
Ion Ratio Lower Upper
75 100
77 30.9 24.2 36.4

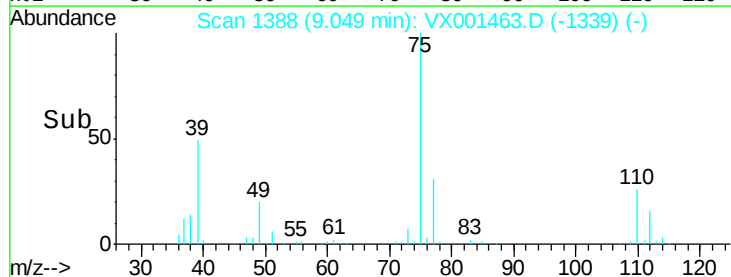
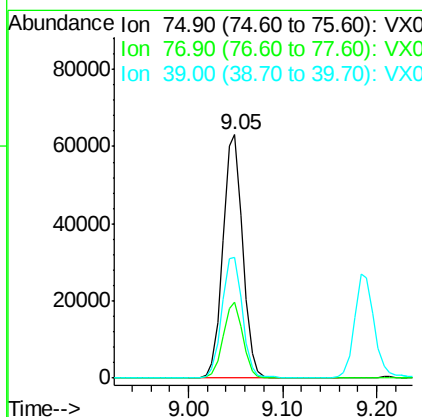
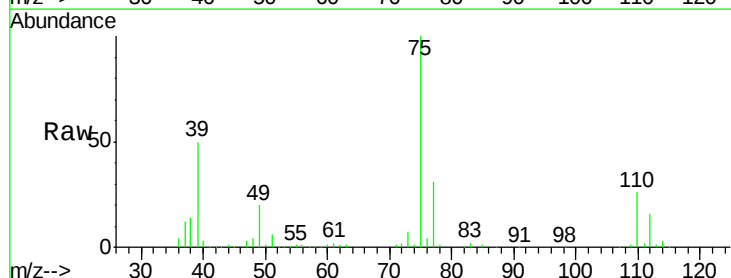
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#54
cis-1,3-Dichloropropene
Concen: 20.11 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion: 75 Resp: 91616
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 49.6 38.9 58.3





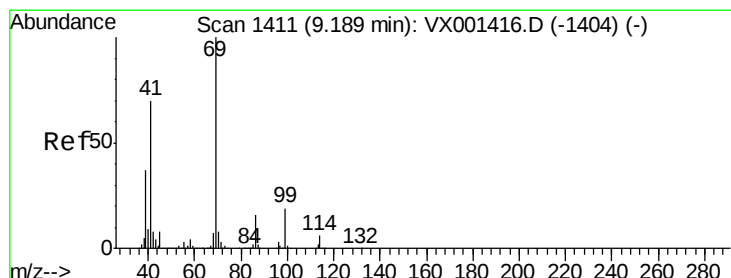
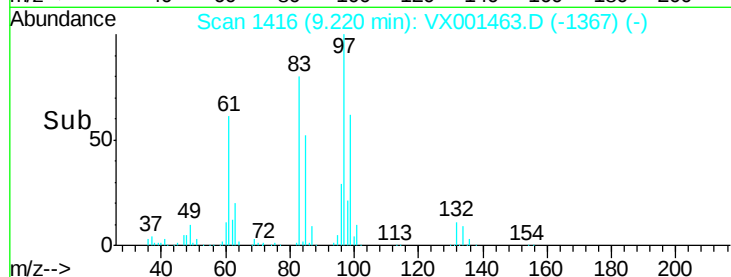
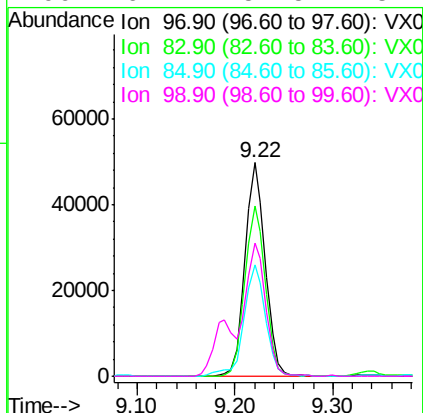
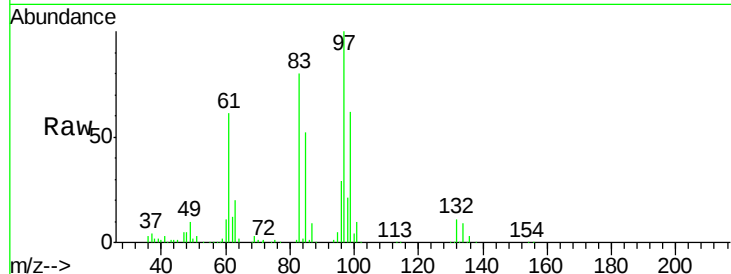
#55
 1,1,2-Trichloroethane
 Concen: 21.21 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Tot Ion:	97	Resp:	71727
Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.4	101.0
85	52.2	43.3	64.9
99	62.4	52.5	78.7

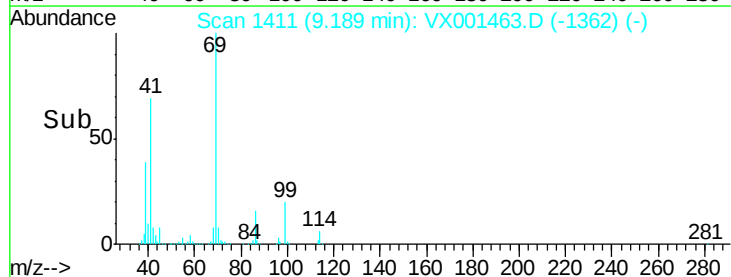
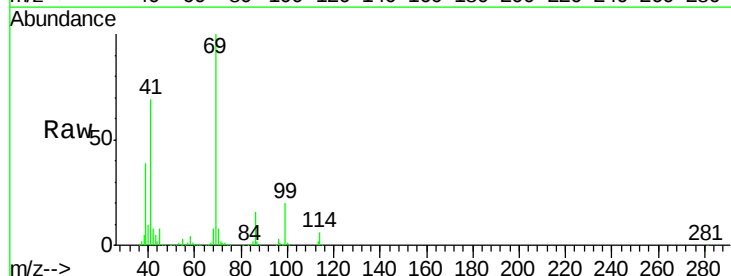
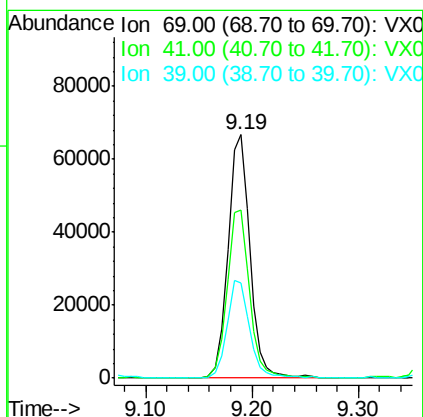
Manual Integrations
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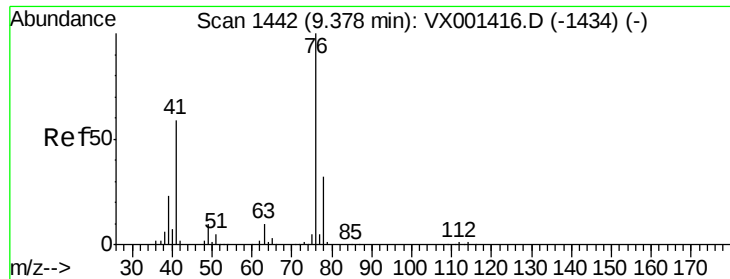
MMDadoda
 5/9/2018 5:47:32 PM



#56
 Ethyl methacrylate
 Concen: 19.81 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion:	69	Resp:	96565
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.1	82.7
39	41.1	29.9	44.9





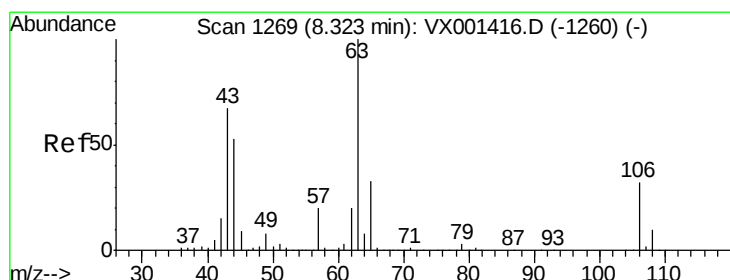
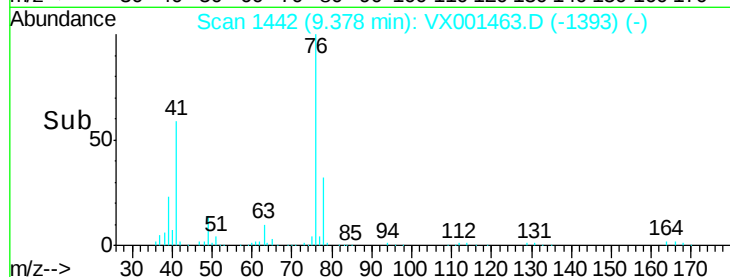
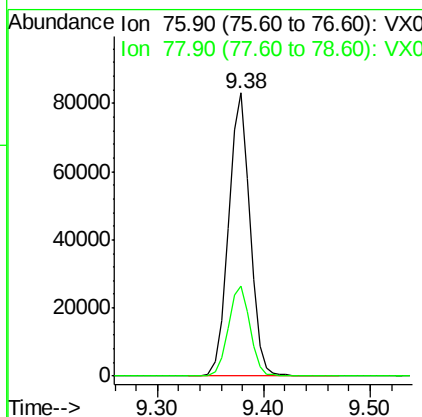
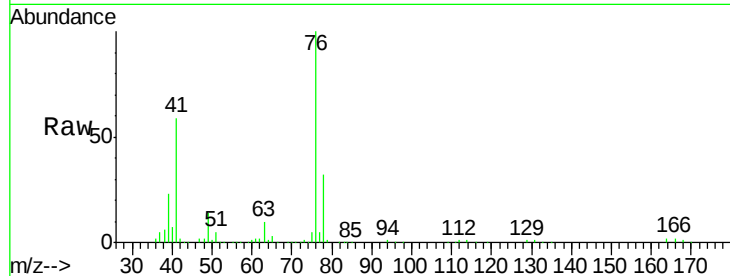
#57
 1,3-Dichloropropane
 Concen: 20.97 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

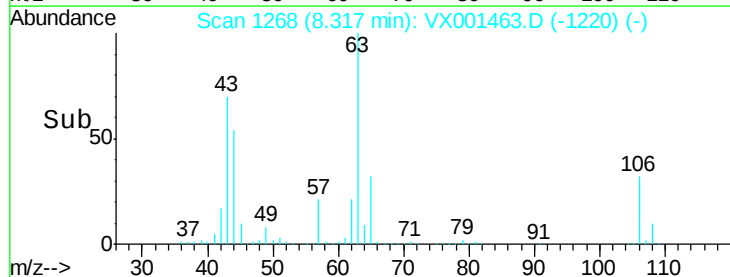
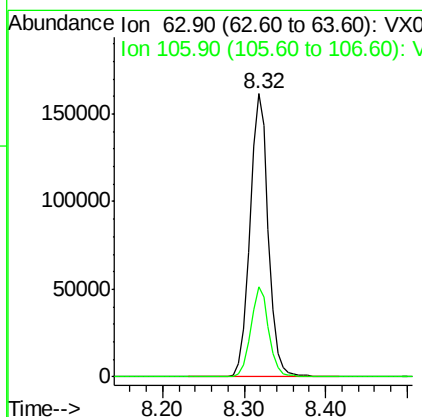
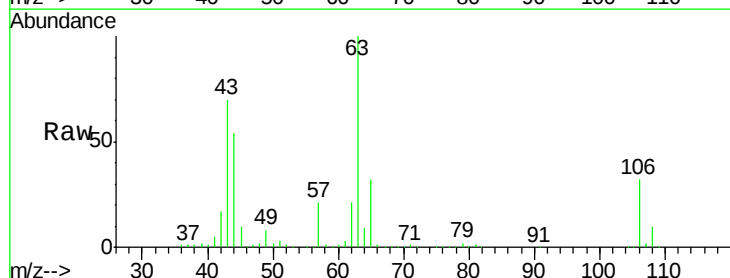
Manual Integrations
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 5/9/2018 5:47:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.42 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.4	38.0





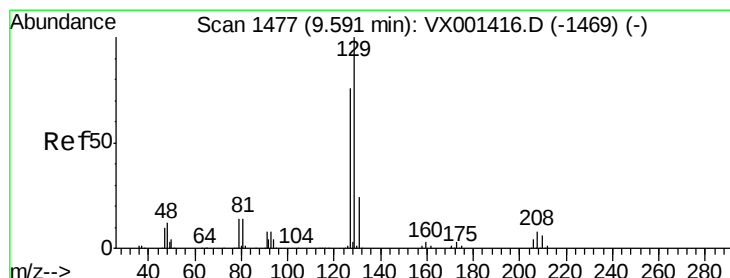
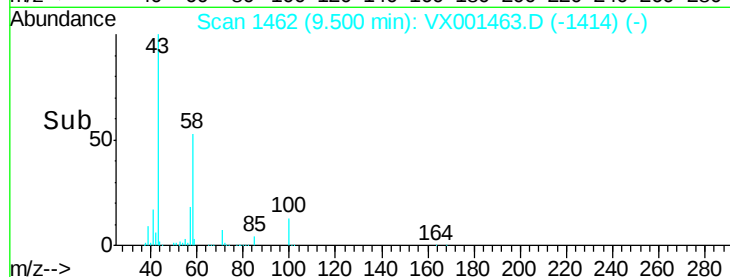
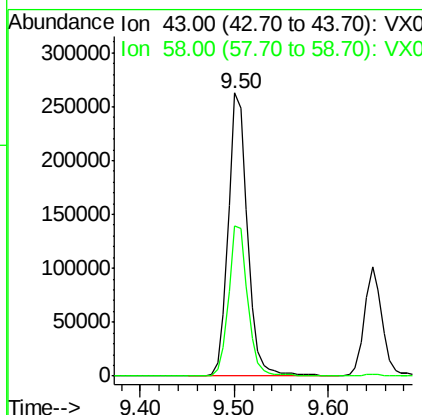
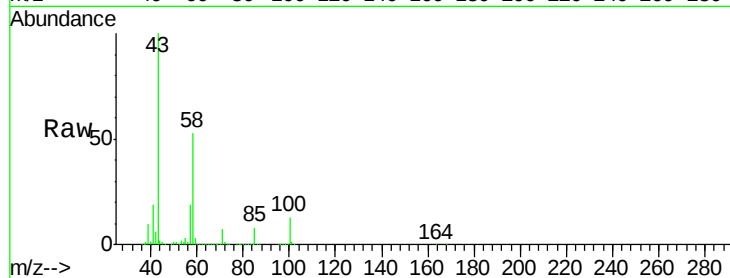
#59
2-Hexanone
Concen: 99.06 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion: 43 Resp: 372870
Ion Ratio Lower Upper
43 100
58 53.0 27.1 81.2

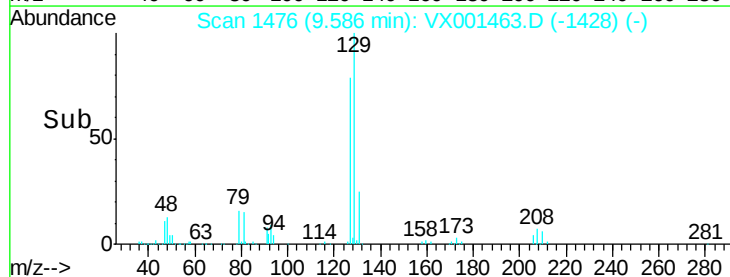
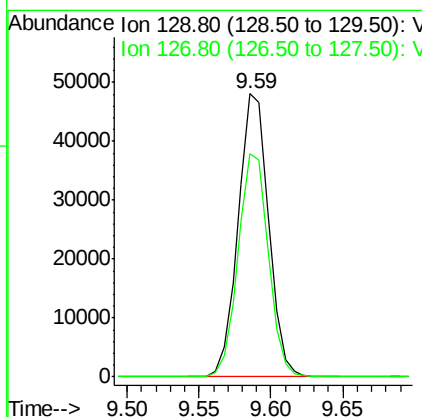
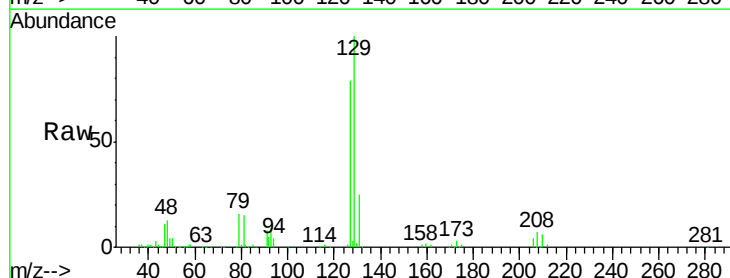
Manual Integrations
APPROVED

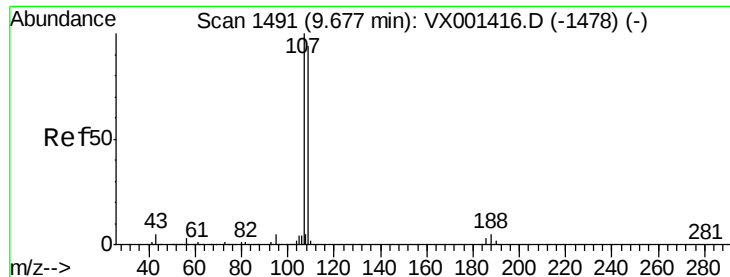
MMDadoda
5/9/2018 5:47:32 PM



#60
Dibromochloromethane
Concen: 20.43 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion: 129 Resp: 70756
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.95 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion:107 Resp: 74412

Ion Ratio Lower Upper

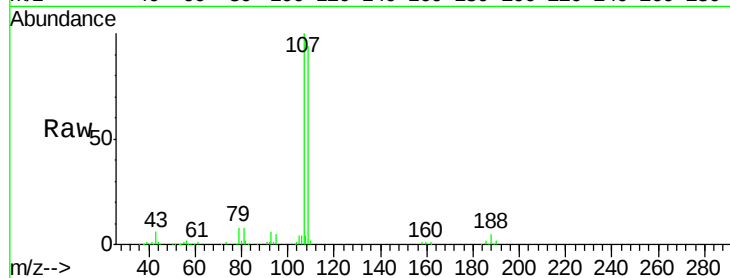
107 100

109 93.5 75.5 113.3

Manual Integrations
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MMDadoda

5/9/2018 5:47:32 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

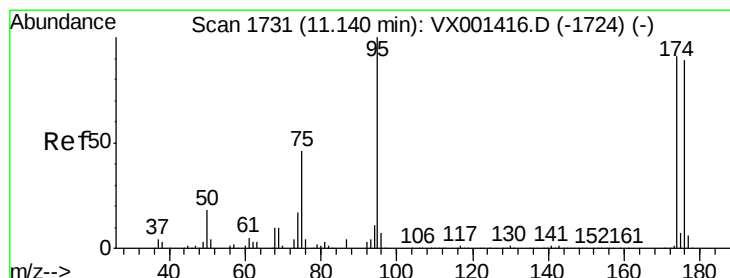
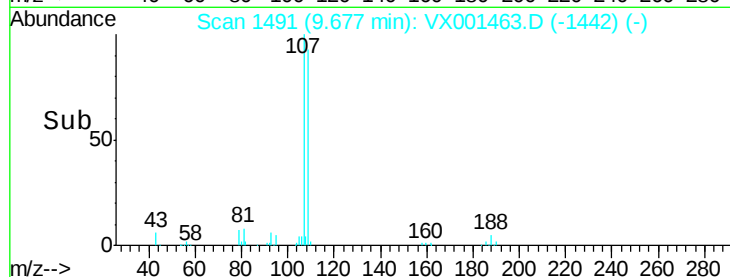
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

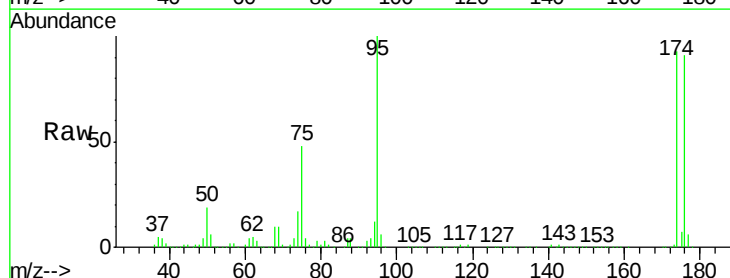
Tgt Ion: 95 Resp: 216254

Ion Ratio Lower Upper

95 100

174 100.2 0.0 202.0

176 97.7 0.0 197.4



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

200000

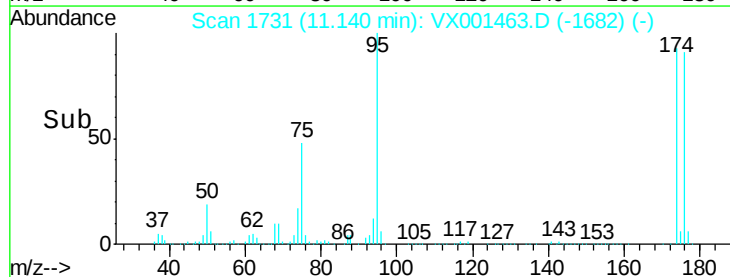
150000

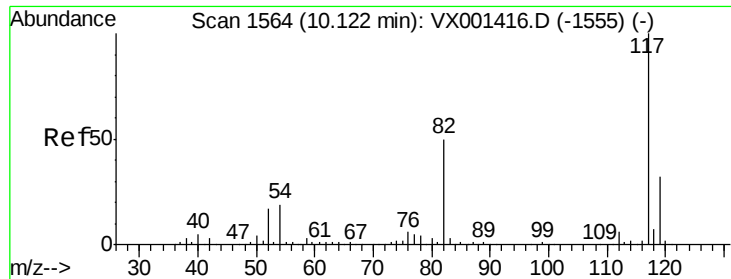
100000

50000

0

Time-->





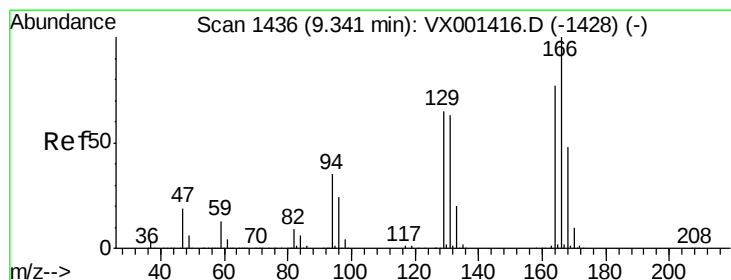
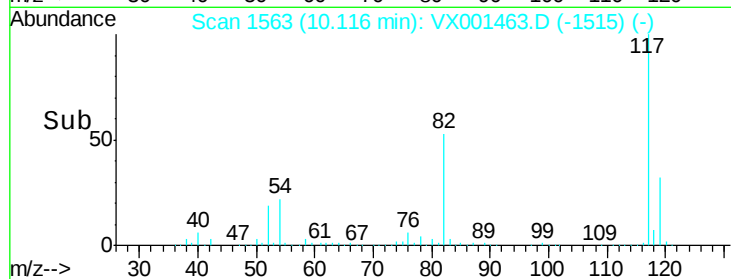
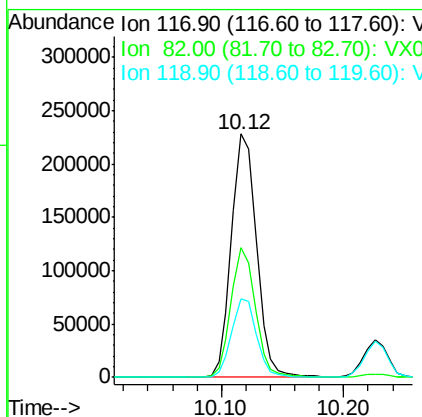
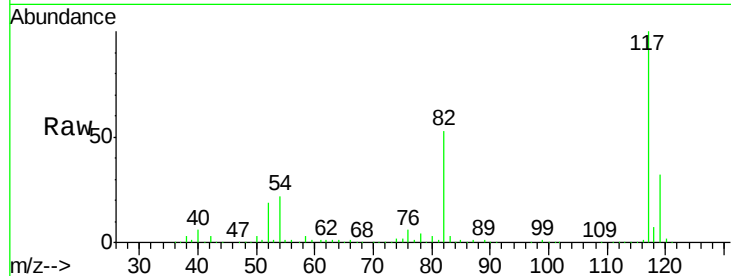
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	40.0	60.0
119	32.1	25.8	38.8

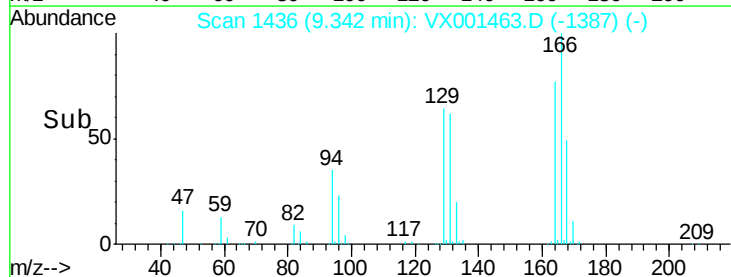
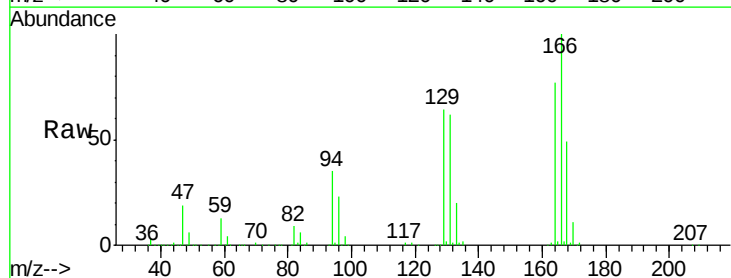
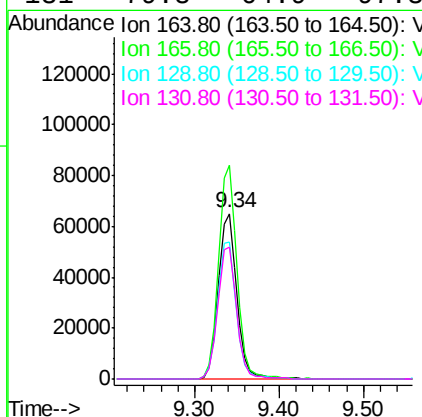
Manual Integrations
APPROVED

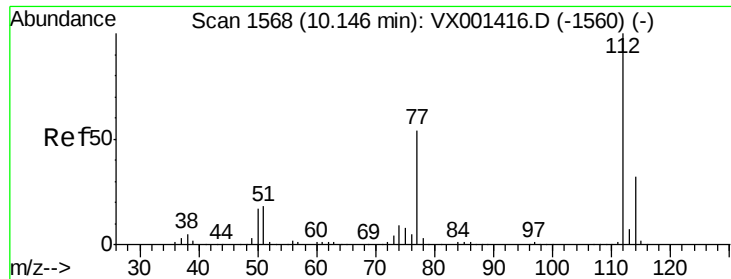
MMDadoda
5/9/2018 5:47:32 PM



#64
Tetrachloroethene
Concen: 21.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	83.1	66.7	100.1
131	79.8	64.9	97.3





#65

Chlorobenzene

Concen: 20.86 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion:112 Resp: 199537

Ion Ratio Lower Upper

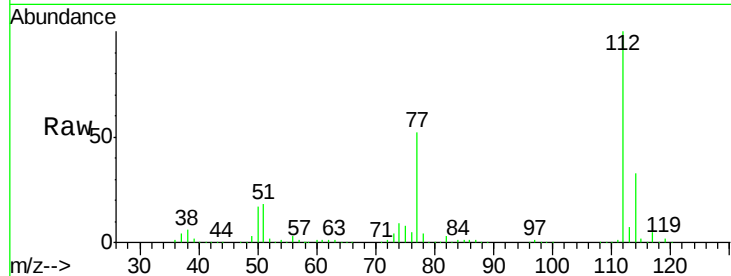
112 100

114 32.5 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

5/9/2018 5:47:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

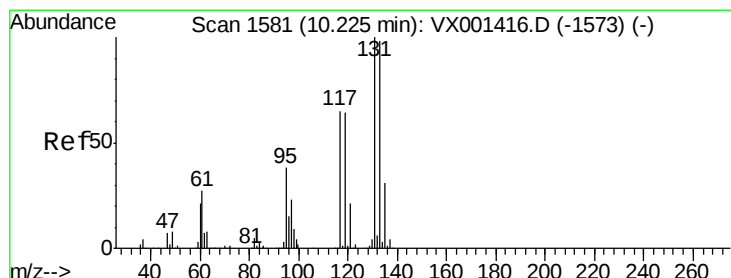
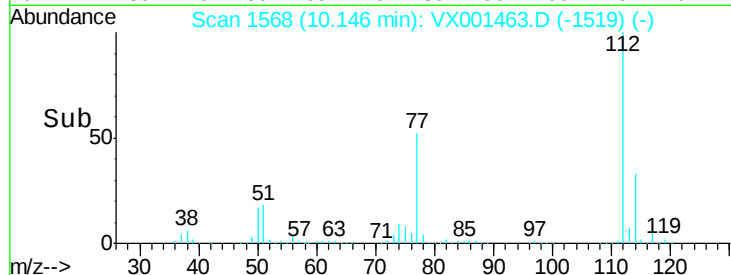
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.52 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

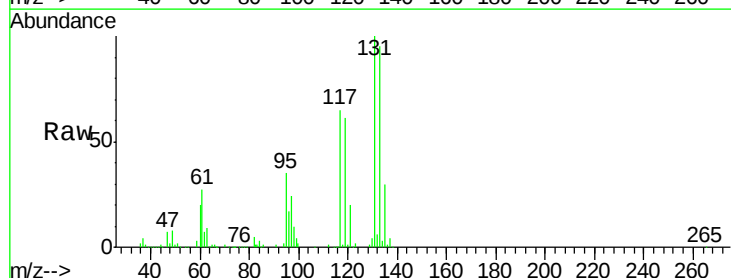
Tgt Ion:131 Resp: 73639

Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.8

119 60.4 31.1 93.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

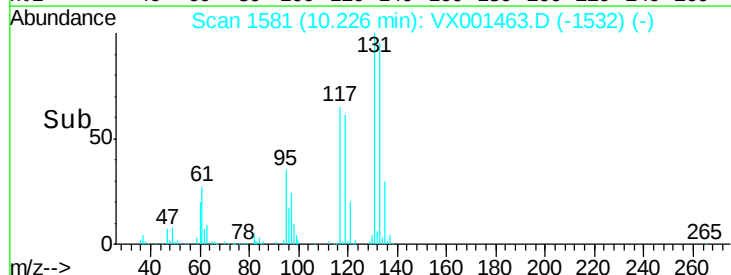
60000

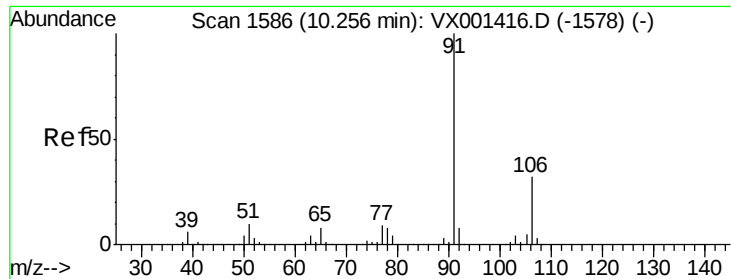
40000

20000

0

Time-->





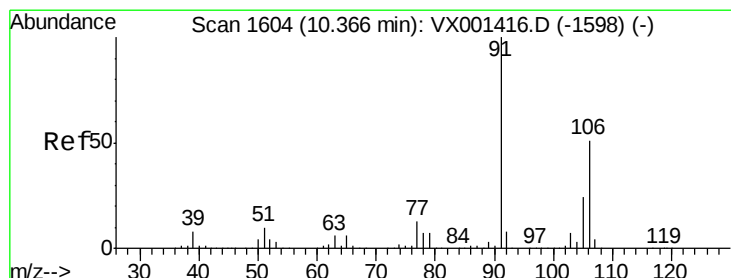
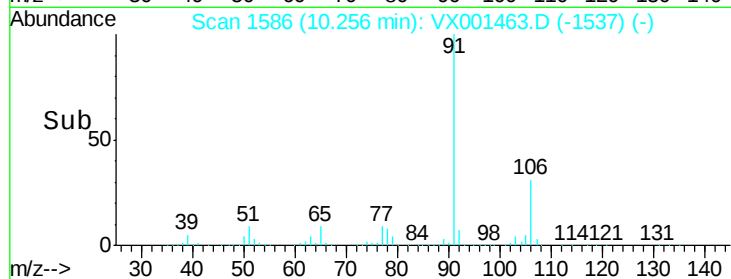
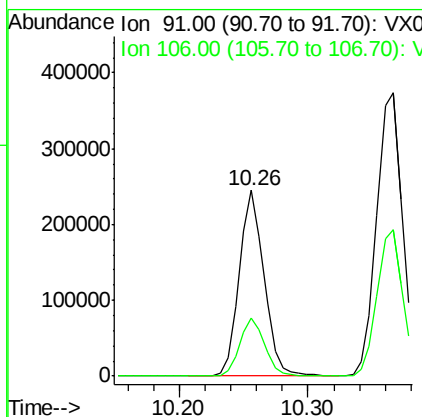
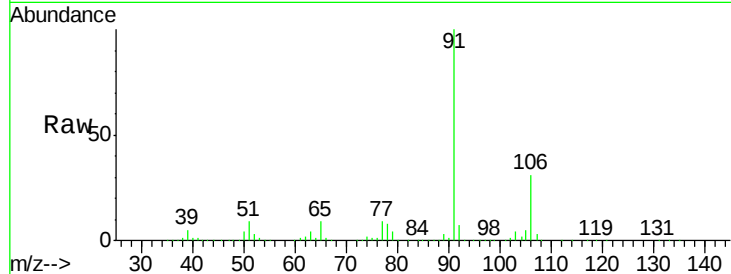
#67
Ethyl Benzene
Concen: 20.88 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS01

Tot Ion: 91 Resp: 327368
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

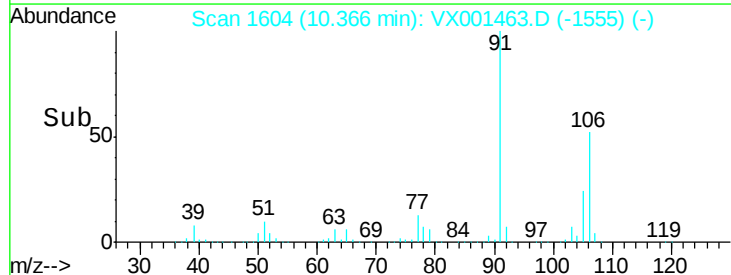
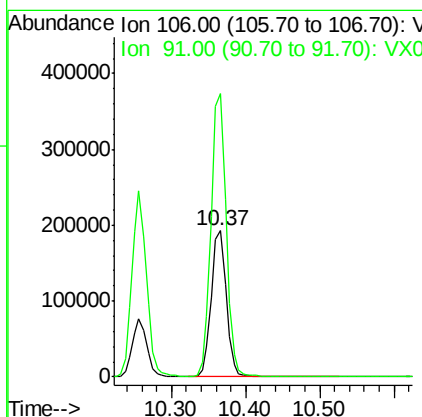
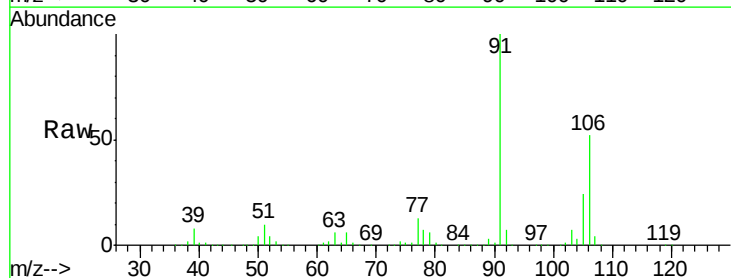
Manual Integrations
APPROVED

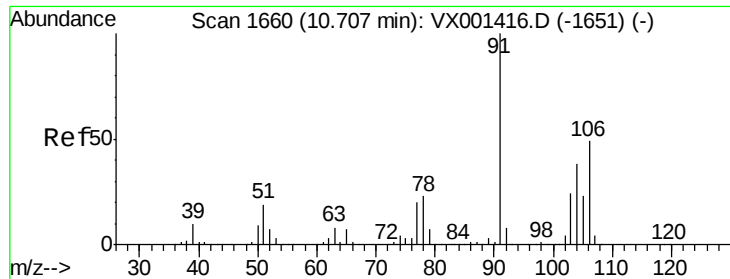
MMDadoda
5/9/2018 5:47:32 PM



#68
m/p-Xylenes
Concen: 43.33 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion: 106 Resp: 268438
Ion Ratio Lower Upper
106 100
91 195.2 157.5 236.3





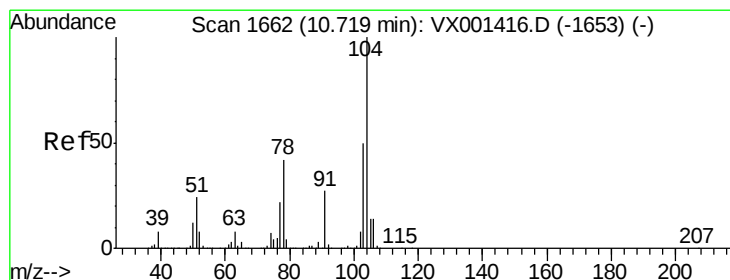
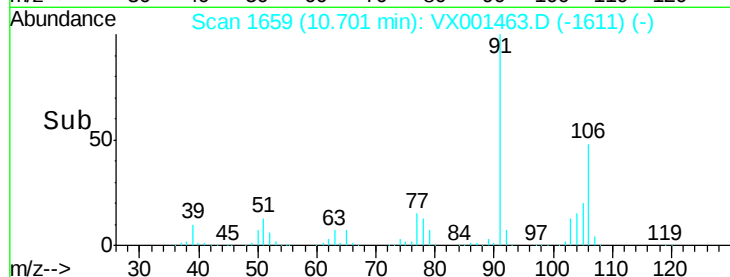
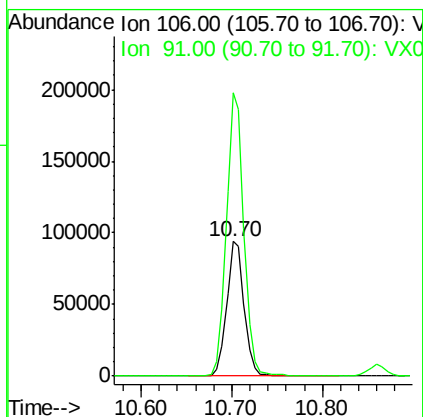
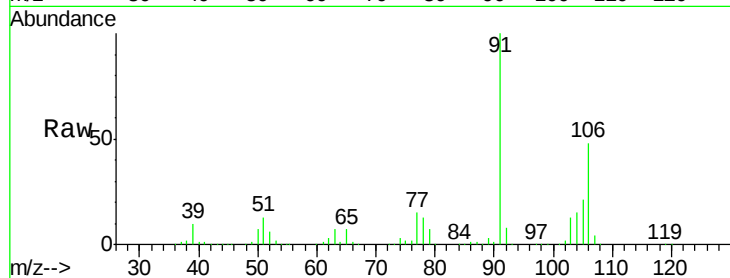
#69
o-Xylene
Concen: 21.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion:106 Resp: 127281
Ion Ratio Lower Upper
106 100
91 210.3 103.1 309.1

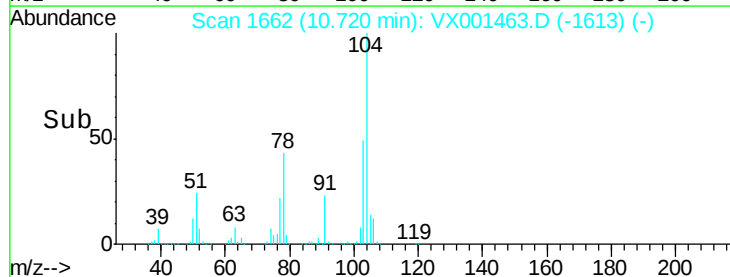
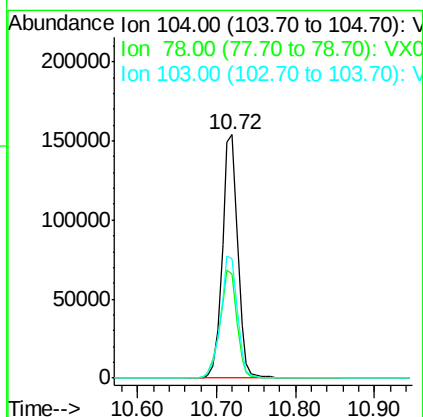
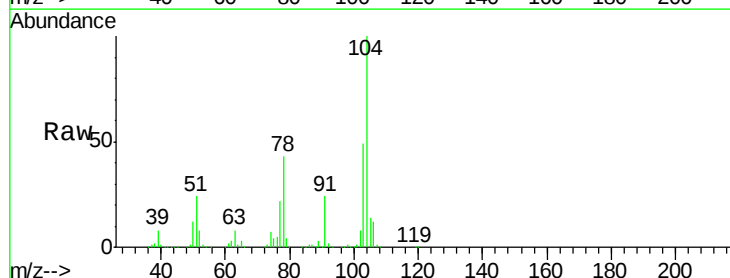
Manual Integrations
APPROVED

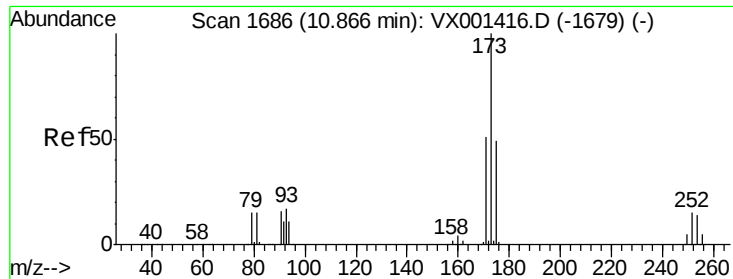
MMDadoda
5/9/2018 5:47:32 PM



#70
Styrene
Concen: 21.40 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion:104 Resp: 209345
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.7 44.0 66.0





#71

Bromoform

Concen: 19.32 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS01

Tot Ion:173 Resp: 55825

Ion Ratio Lower Upper

173 100

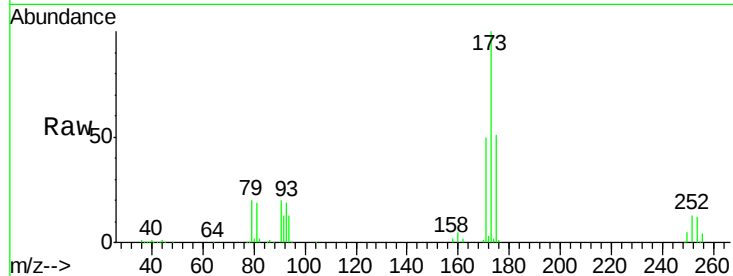
175 48.6 24.5 73.5

254 0.1 0.2 0.2#

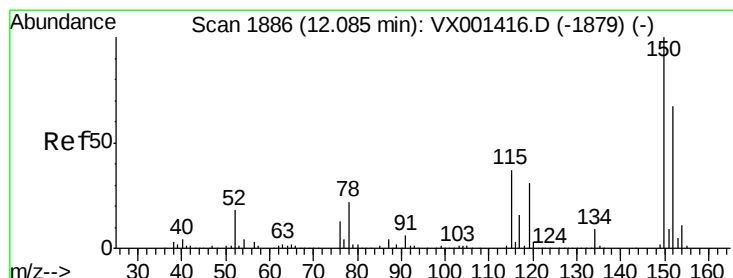
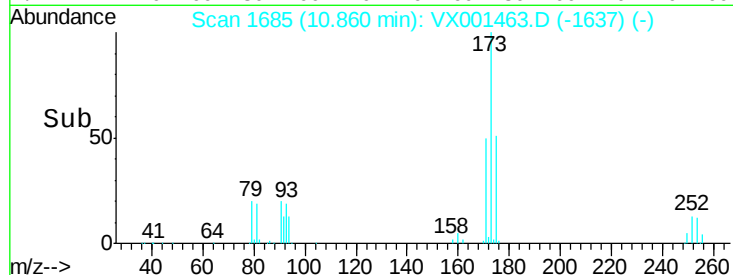
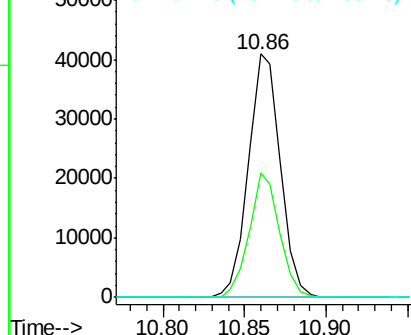
Manual Integrations
APPROVED

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5/9/2018 5:47:32 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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

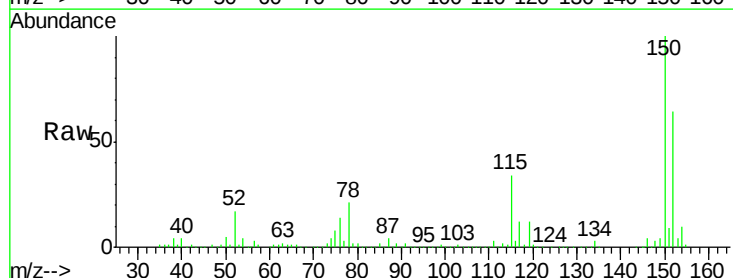
Tgt Ion:152 Resp: 234832

Ion Ratio Lower Upper

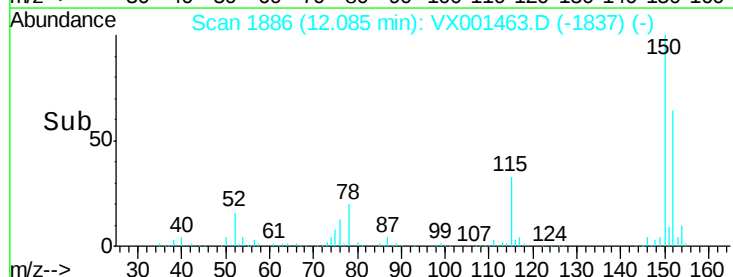
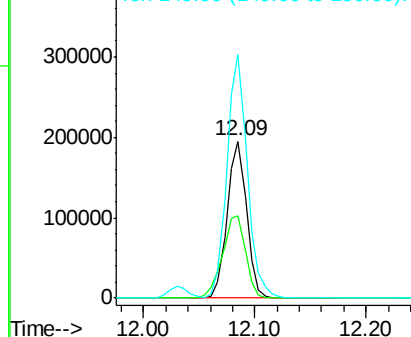
152 100

115 62.8 37.7 113.1

150 163.0 0.0 349.4



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: 21.28 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion:105 Resp: 345883

Ion Ratio Lower Upper

105 100

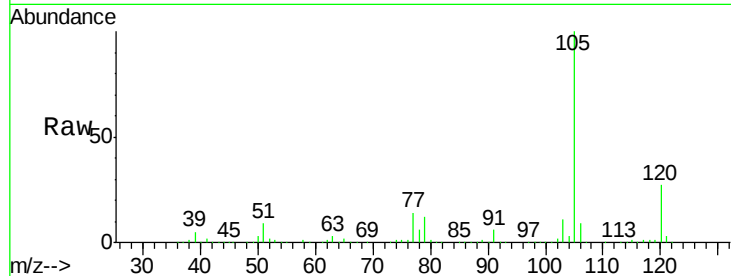
120 27.3 13.6 40.8

Manual Integrations

APPROVED

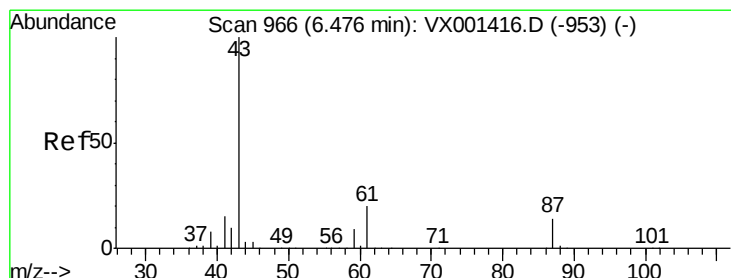
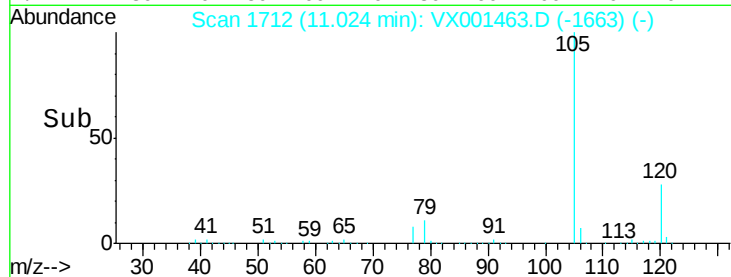
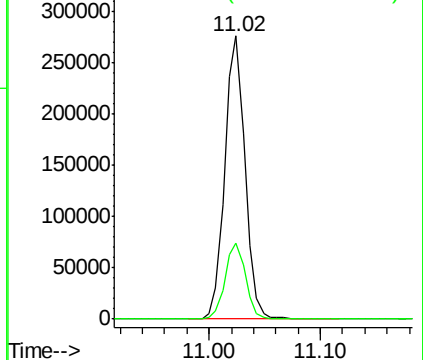
MMDadoda

5/9/2018 5:47:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.92 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion: 43 Resp: 147092

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

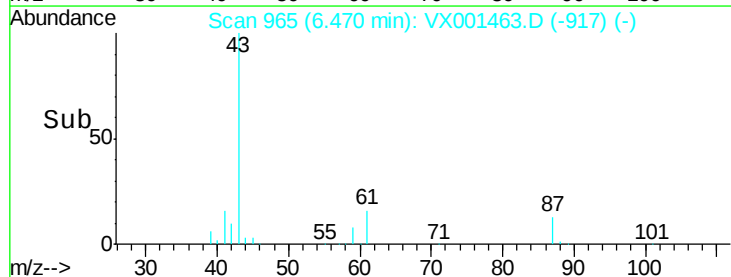
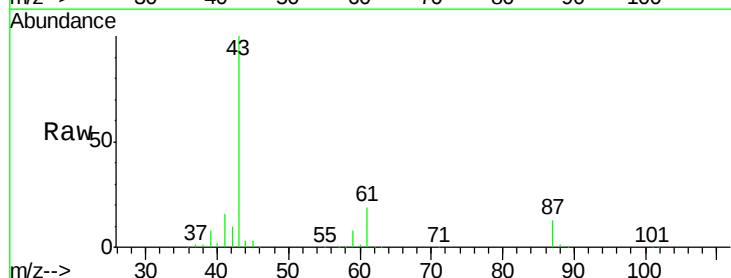
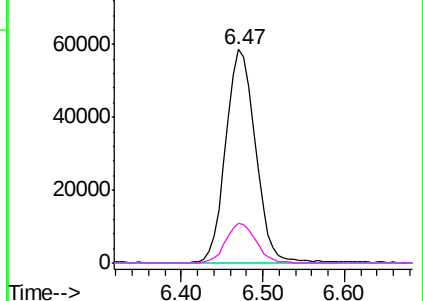
61 18.9 15.4 23.0

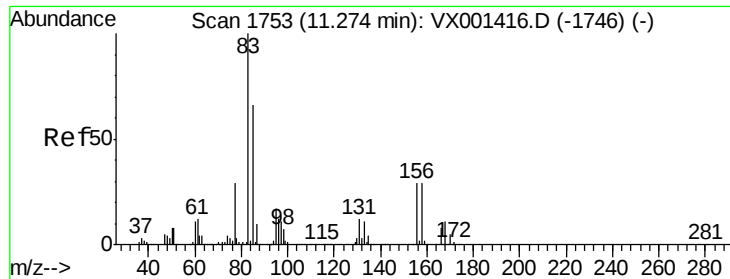
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.08 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 83 Resp: 96434

Ion Ratio Lower Upper

83 100

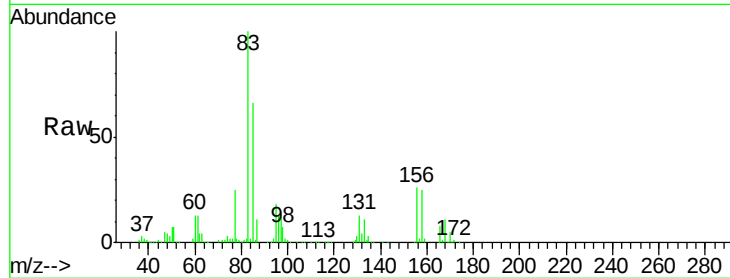
131 12.0 5.8 17.4

85 64.4 32.7 98.1

Manual Integrations
APPROVED

MMDadoda

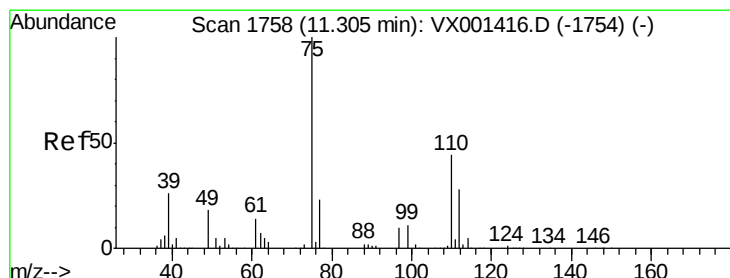
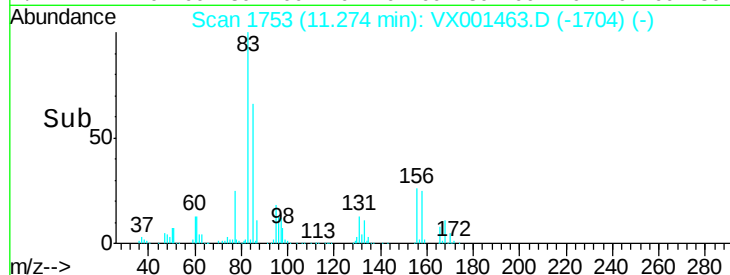
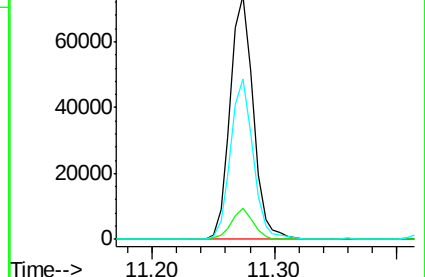
5/9/2018 5:47:32 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.38 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001463.D

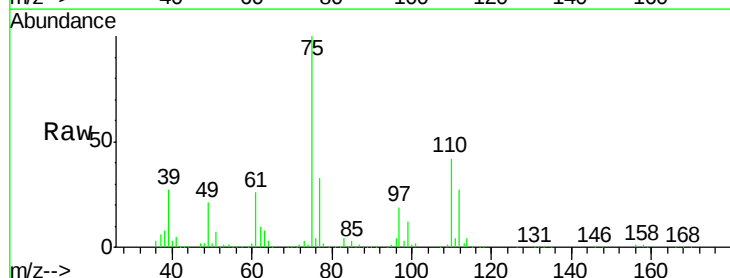
Acq: 07 May 2018 13:59

Tgt Ion: 75 Resp: 97045

Ion Ratio Lower Upper

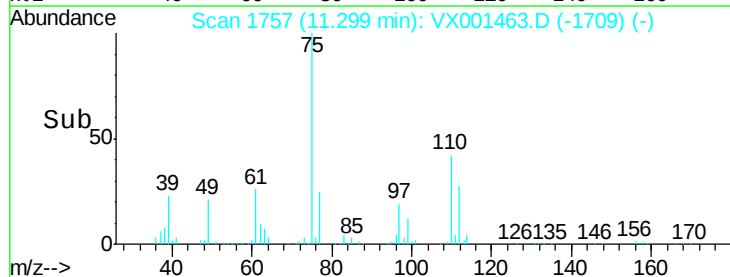
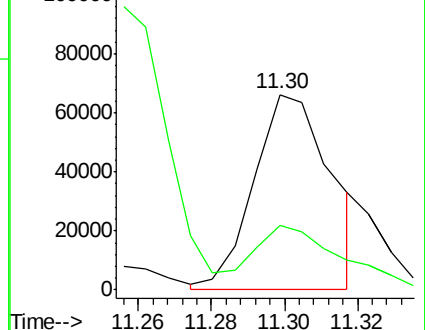
75 100

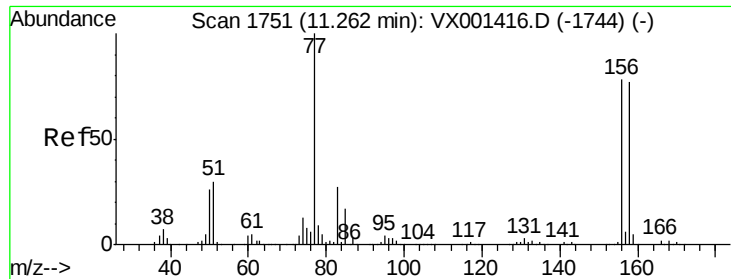
77 38.4 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.63 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

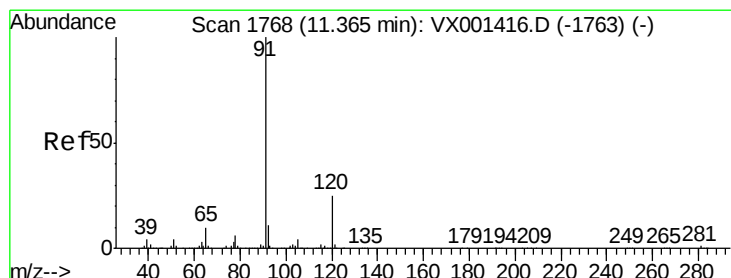
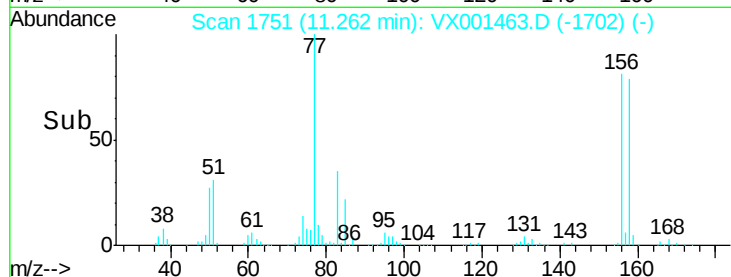
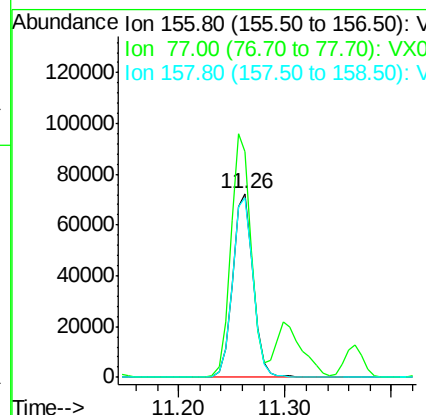
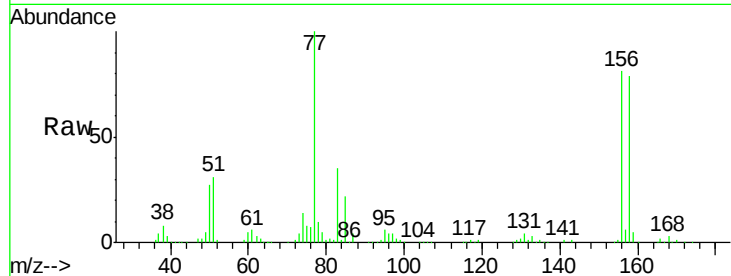
ClientSampleId :

VX0507WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	130.5	66.0	198.2	
158	99.0	49.4	148.2	

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#78

n-propylbenzene

Concen: 21.79 ug/l

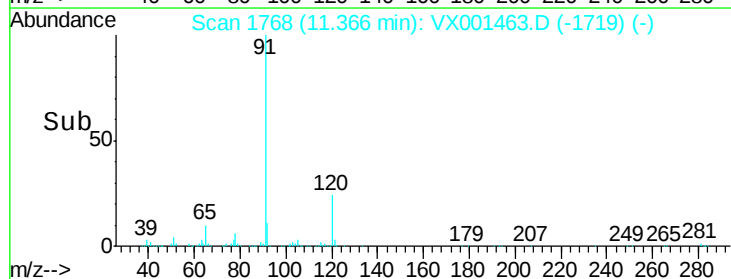
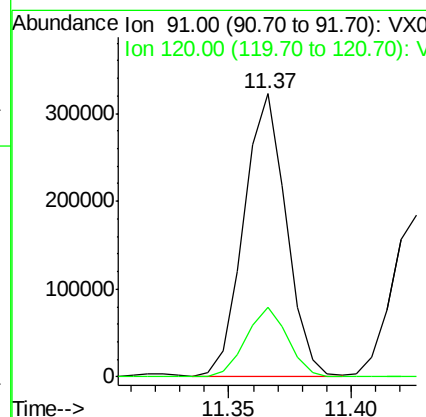
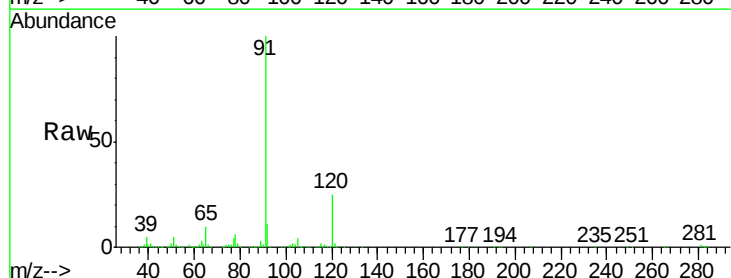
RT: 11.37 min Scan# 1768

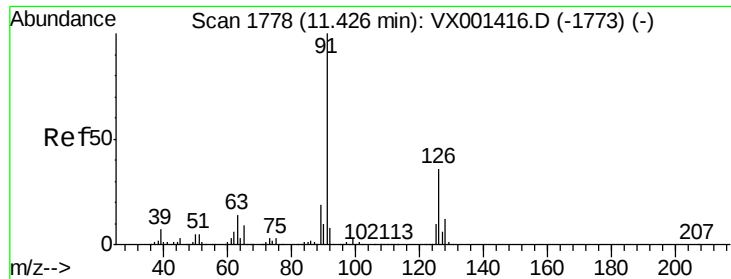
Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.6	12.5	37.5	





#79

2-Chlorotoluene

Concen: 21.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion: 91 Resp: 230725

Ion Ratio Lower Upper

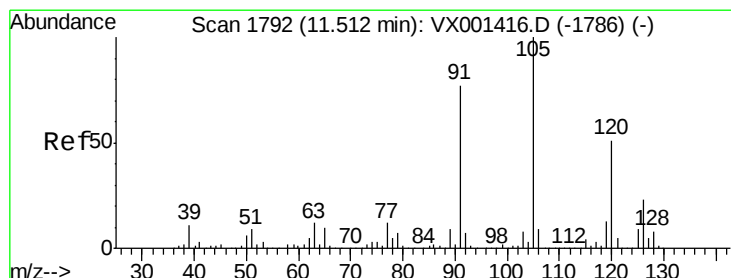
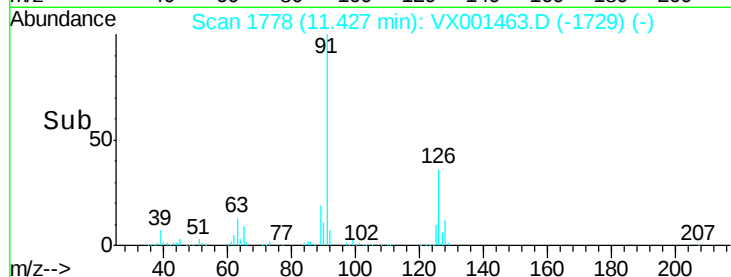
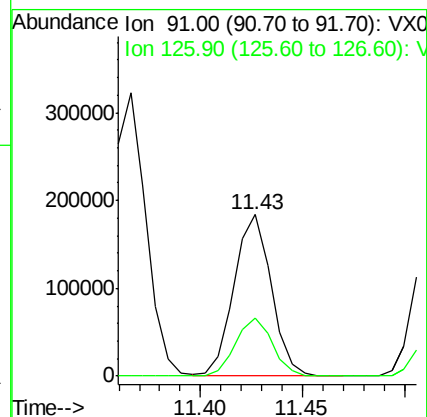
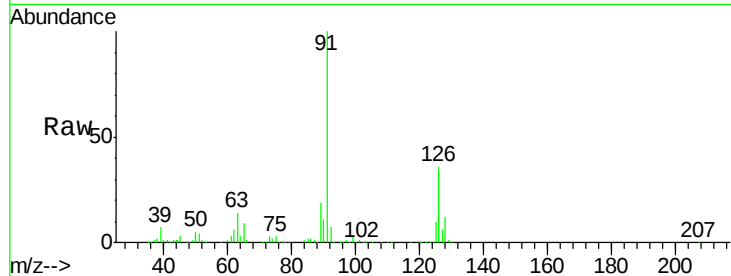
91 100

126 36.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.49 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001463.D

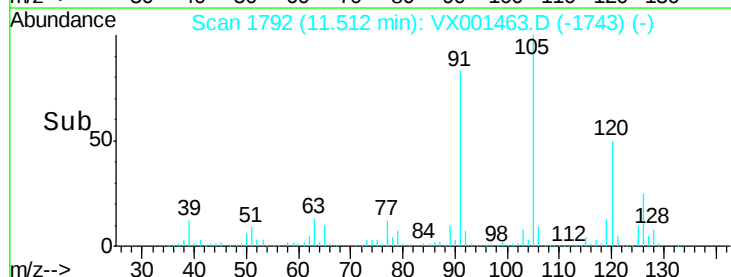
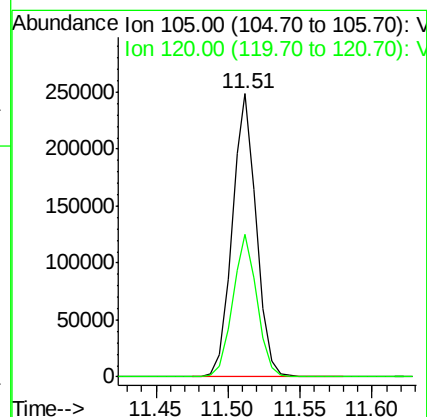
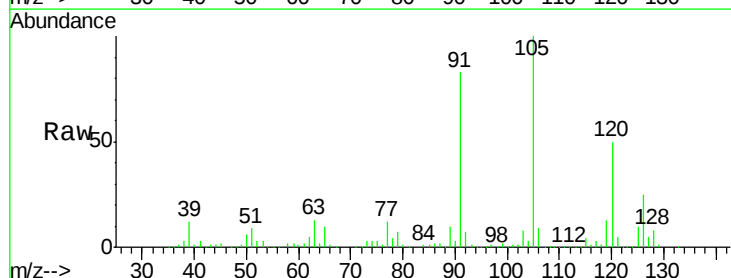
Acq: 07 May 2018 13:59

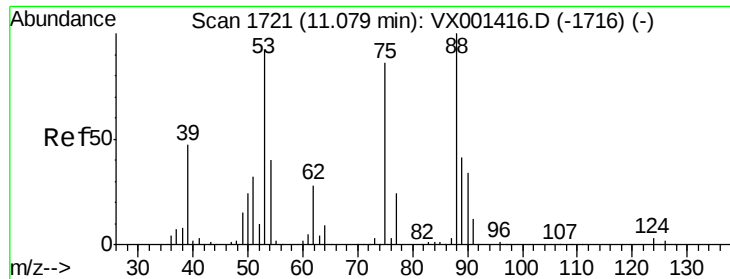
Tgt Ion: 105 Resp: 290817

Ion Ratio Lower Upper

105 100

120 50.8 25.7 77.1





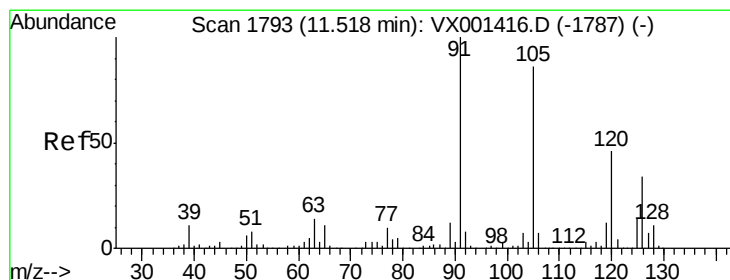
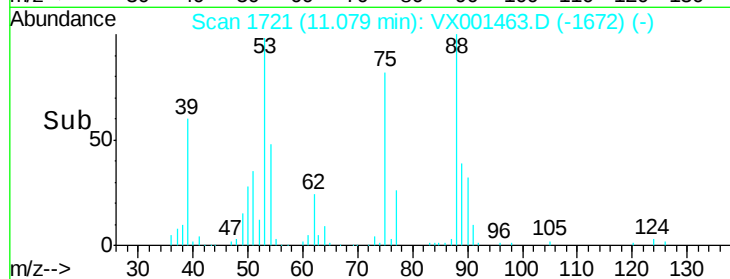
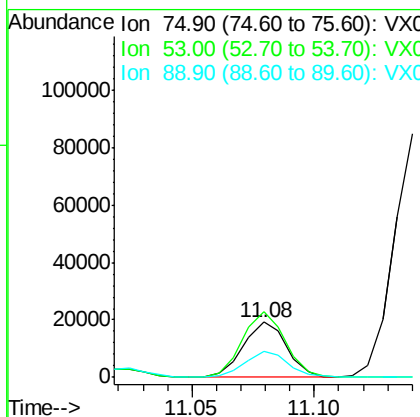
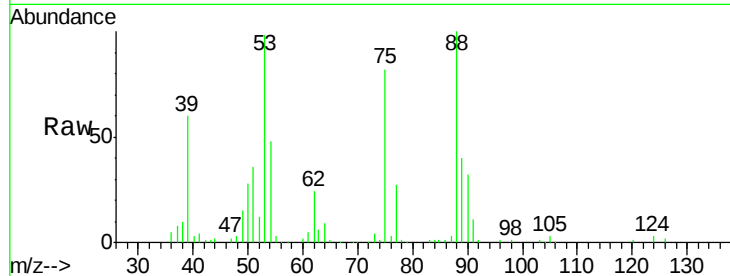
#81
trans-1,4-Dichloro-2-butene
Concen: 18.61 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.1	84.5	126.7
89	48.2	39.5	59.3

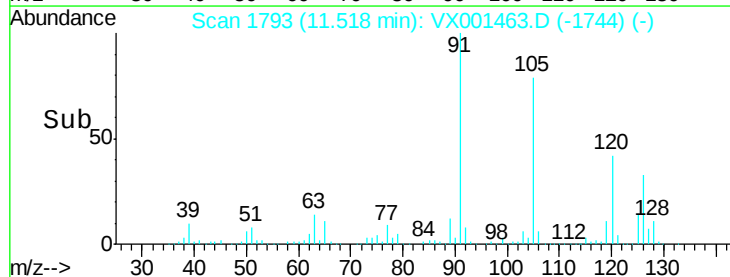
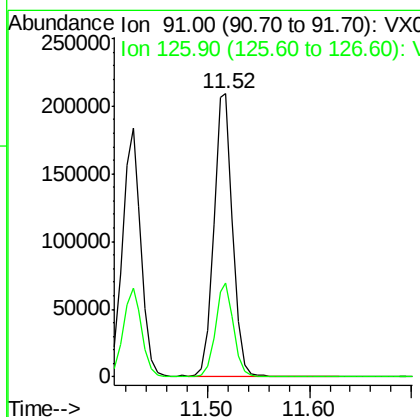
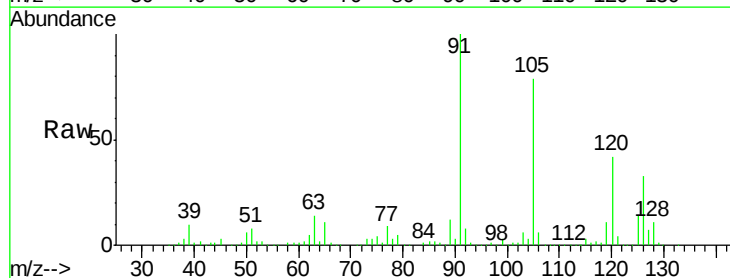
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#82
4-Chlorotoluene
Concen: 21.60 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





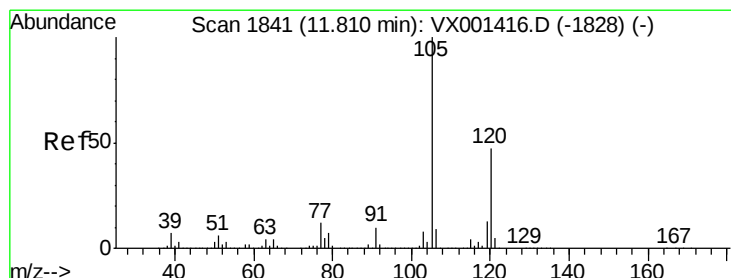
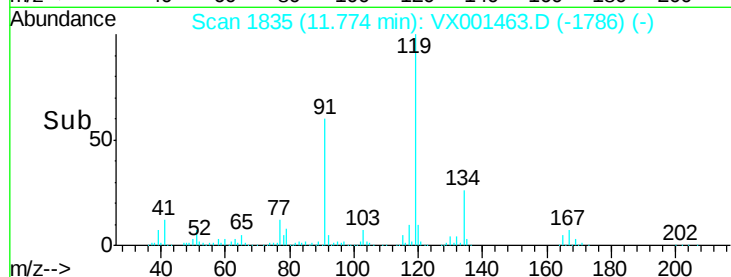
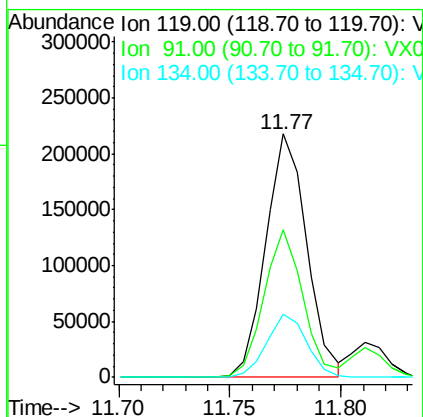
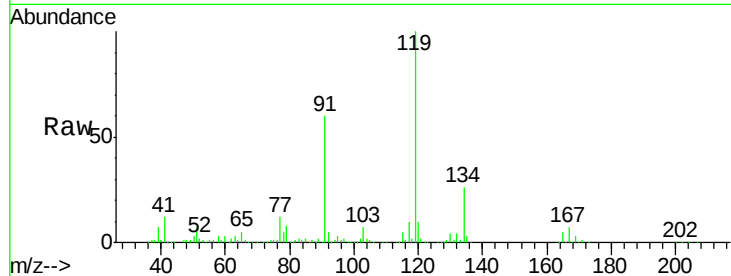
#83
tert-Butylbenzene
Concen: 20.65 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	27.8	83.3
134	25.4	12.4	37.0

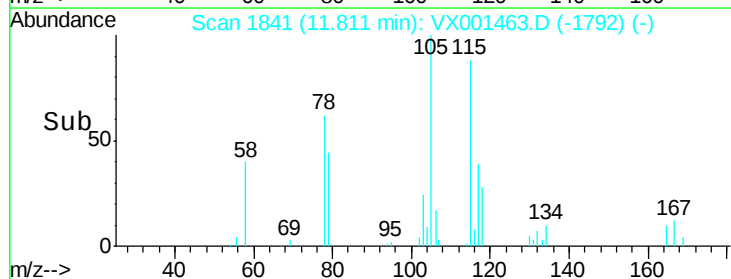
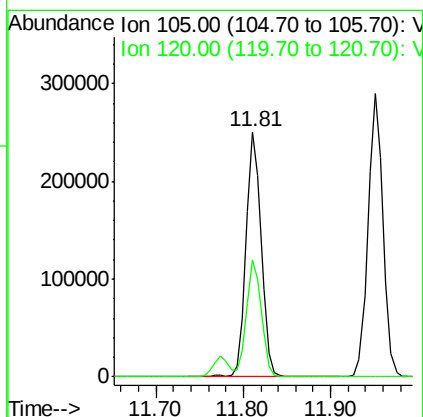
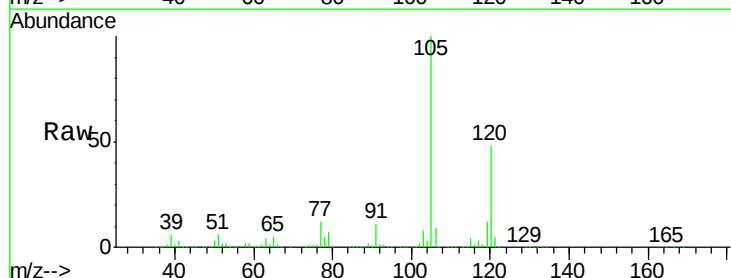
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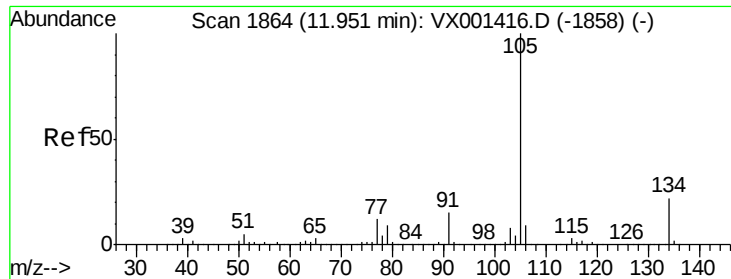
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#84
1,2,4-Trimethylbenzene
Concen: 21.74 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS01

Tot Ion:105 Resp: 348936

Ion Ratio Lower Upper

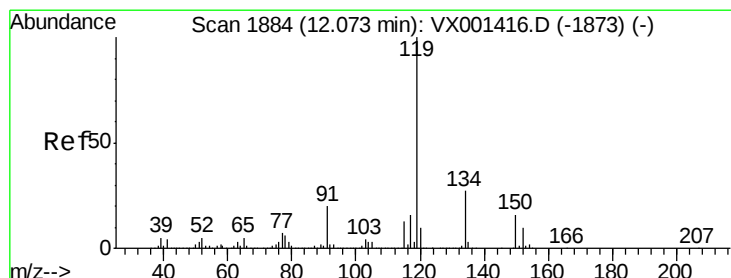
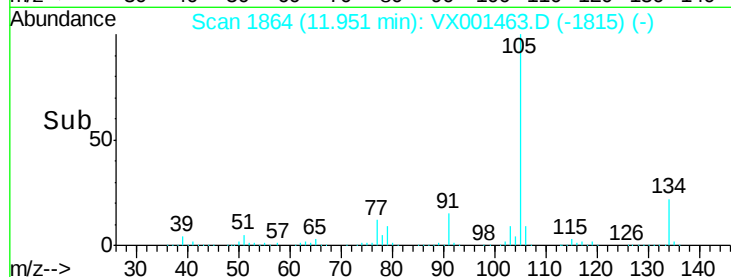
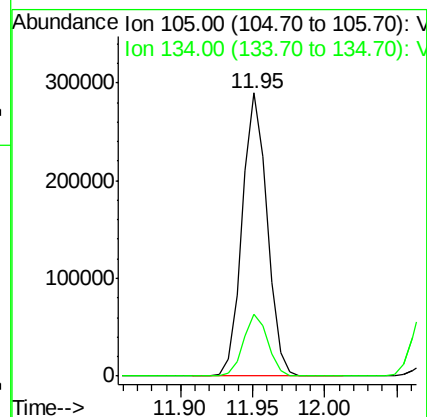
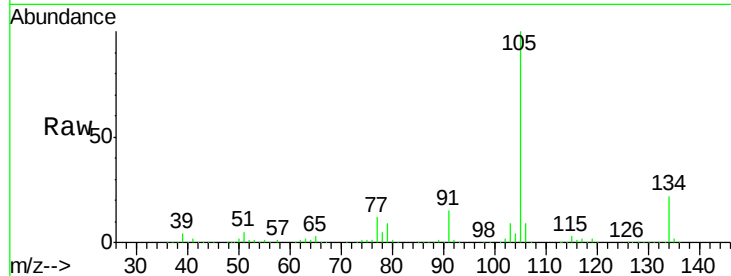
105 100

134 21.6 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 21.76 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001463.D

Acq: 07 May 2018 13:59

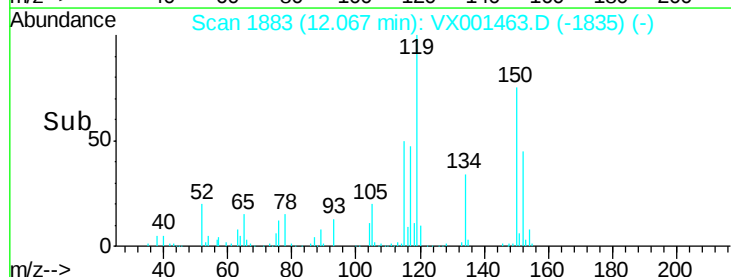
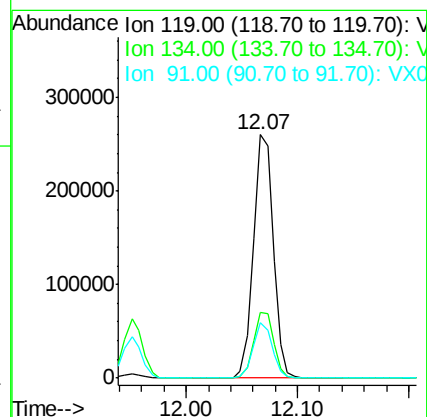
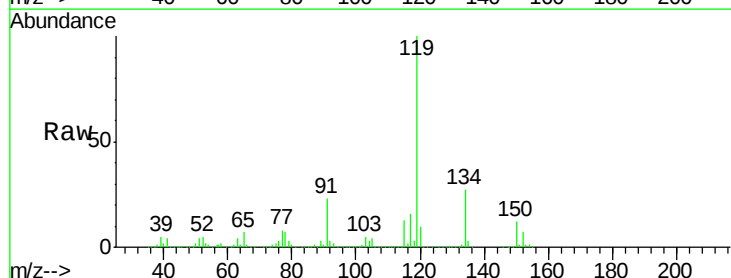
Tgt Ion:119 Resp: 322654

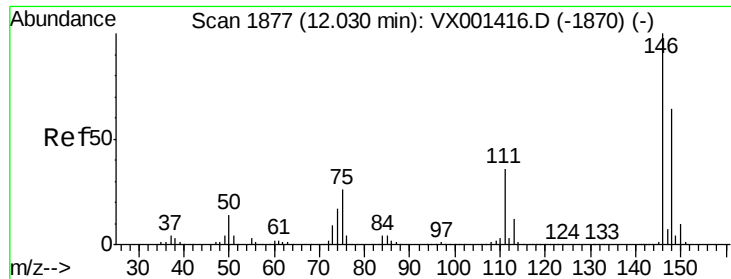
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 21.9 10.8 32.3





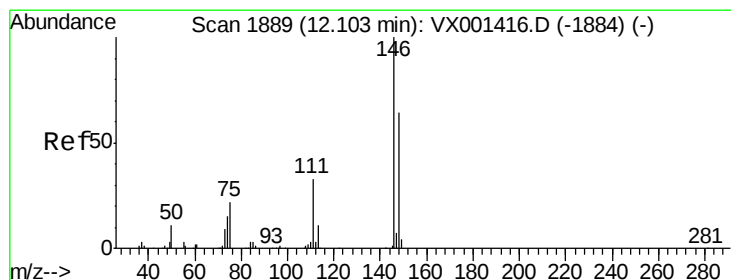
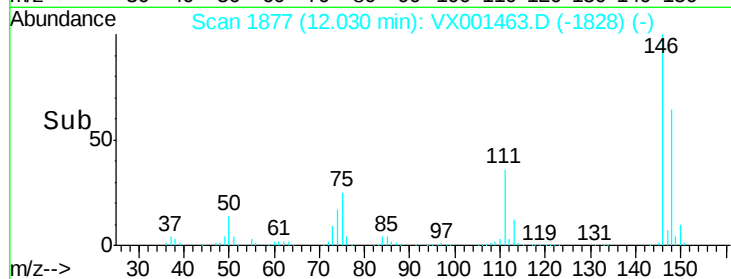
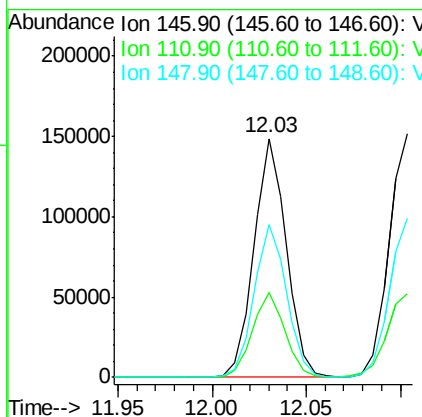
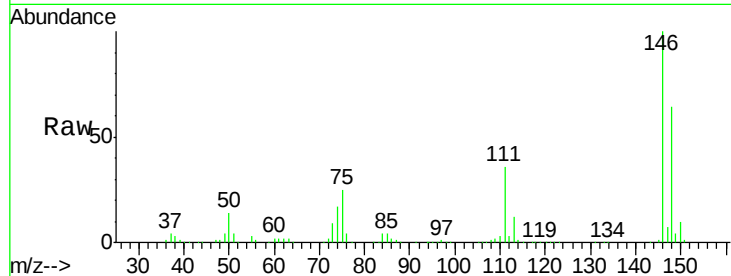
#87
 1,3-Dichlorobenzene
 Concen: 20.89 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176523		
111	35.8	18.1	54.1	
148	64.5	32.1	96.5	

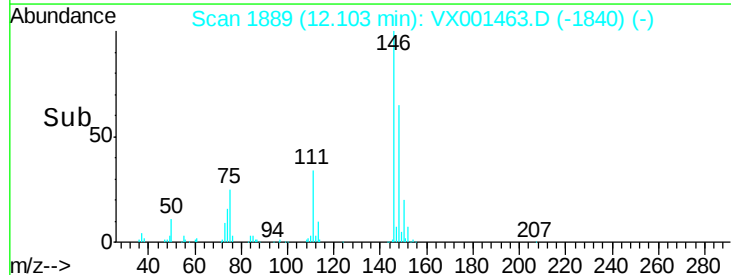
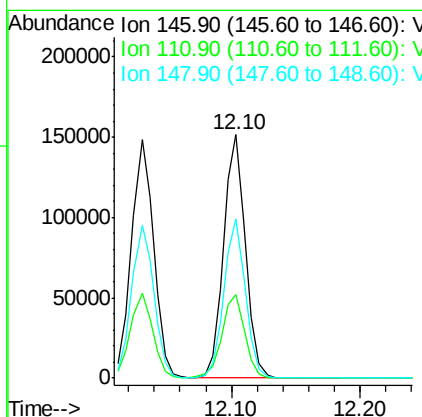
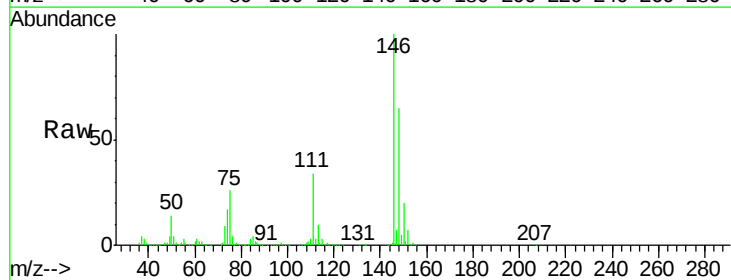
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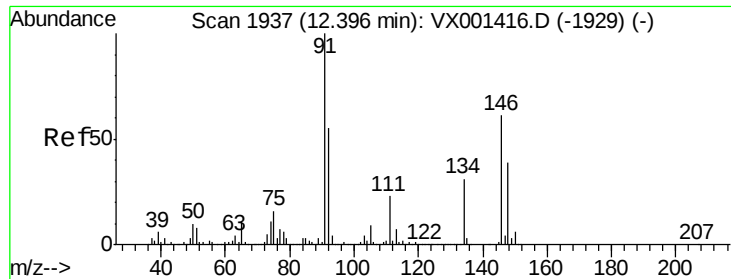
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#88
 1,4-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	181565		
111	36.2	17.4	52.3	
148	64.6	32.2	96.6	





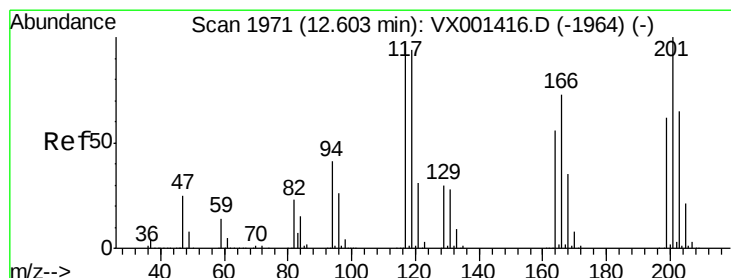
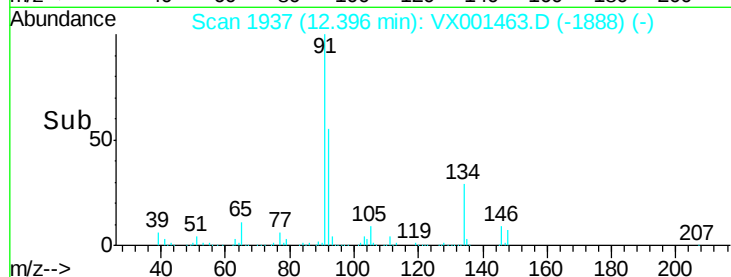
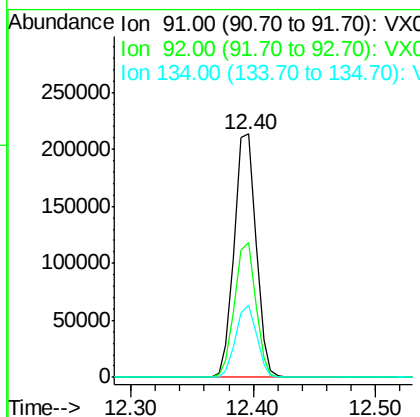
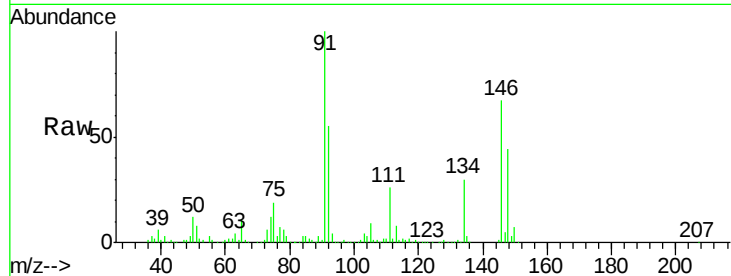
#89
n-Butylbenzene
Concen: 21.37 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262531		
92	54.1		27.2	81.5
134	28.8		14.6	44.0

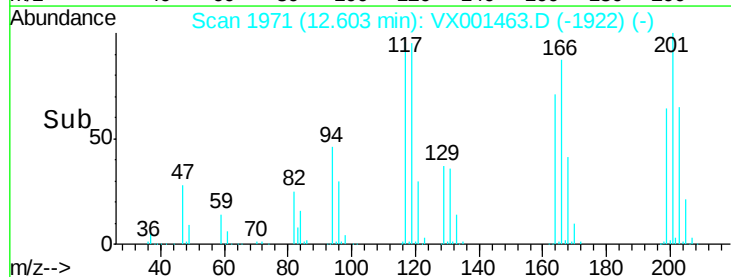
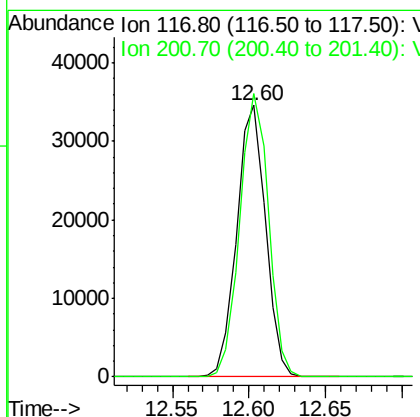
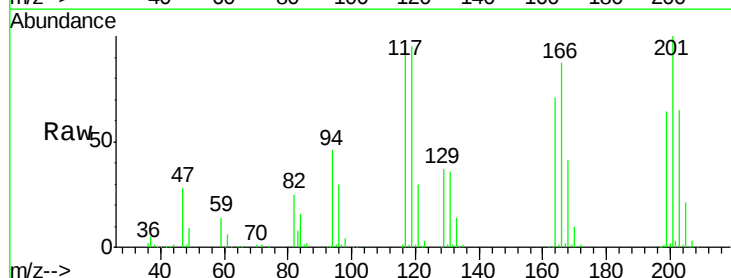
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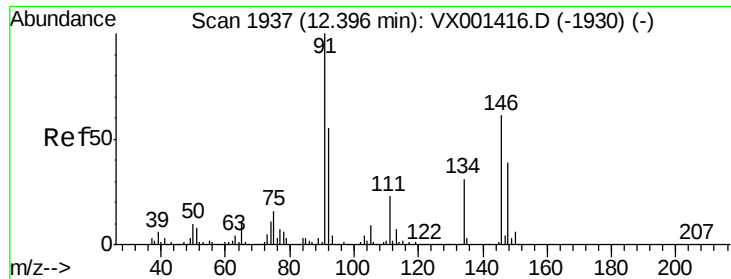
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#90
Hexachloroethane
Concen: 20.24 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45205		
201	103.7		51.5	154.5





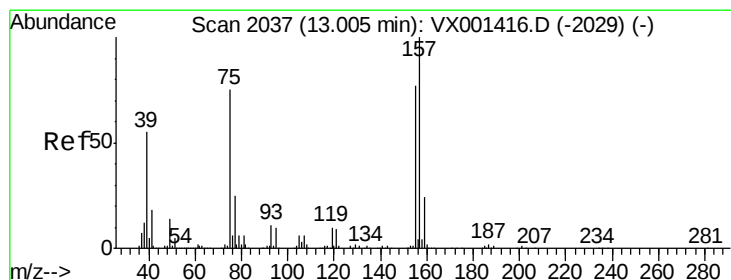
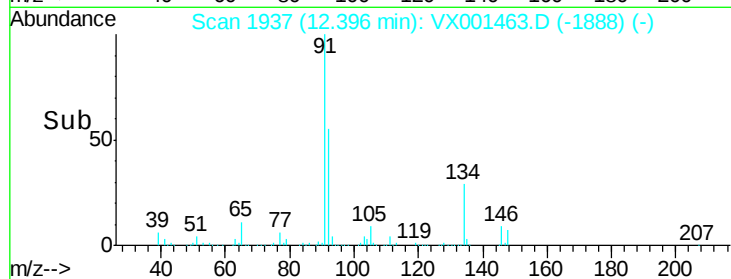
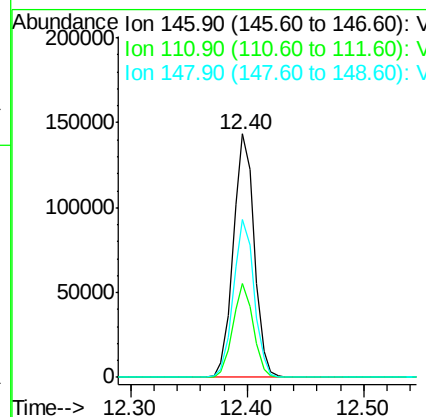
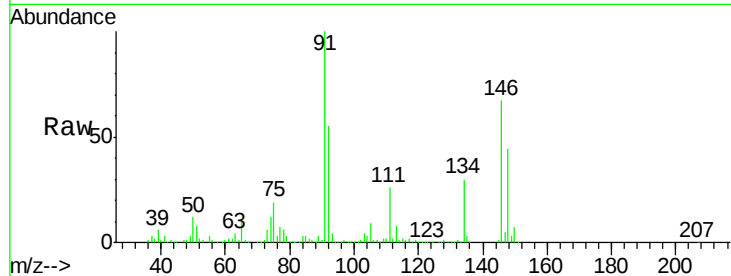
#91
 1,2-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179073		
111	37.6	18.6	55.8	
148	64.4	32.1	96.5	

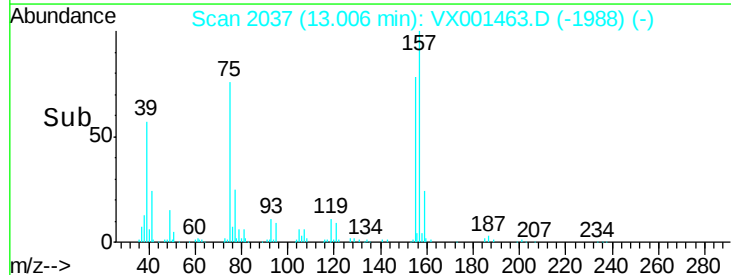
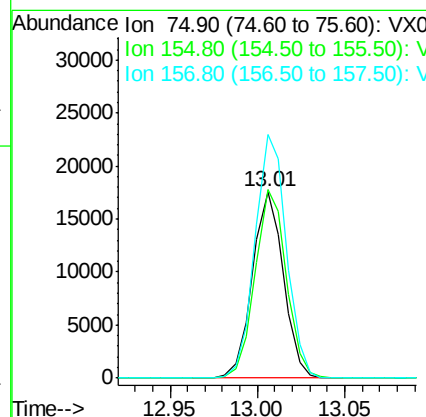
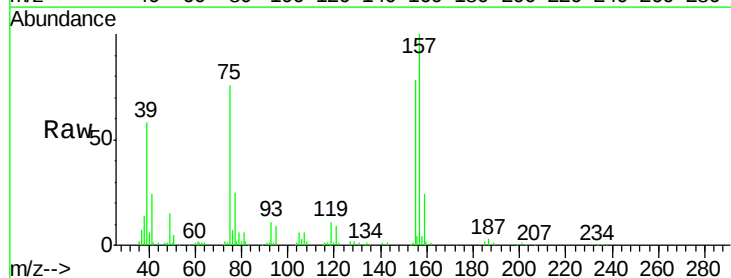
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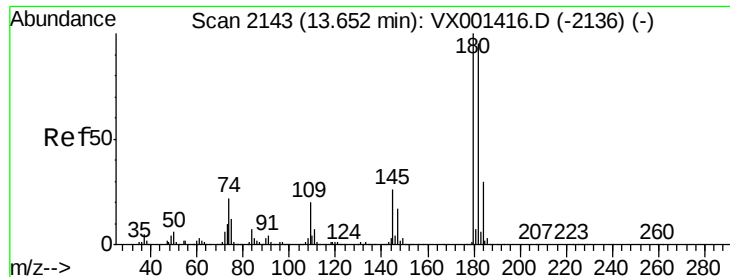
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.55 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21676		
155	101.8	53.4	160.2	
157	132.4	68.3	204.8	





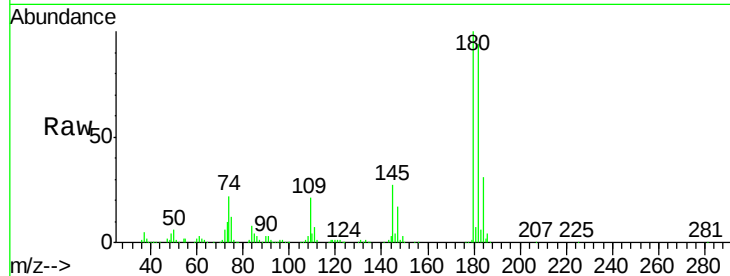
#93
 1,2,4-Trichlorobenzene
 Concen: 20.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS01

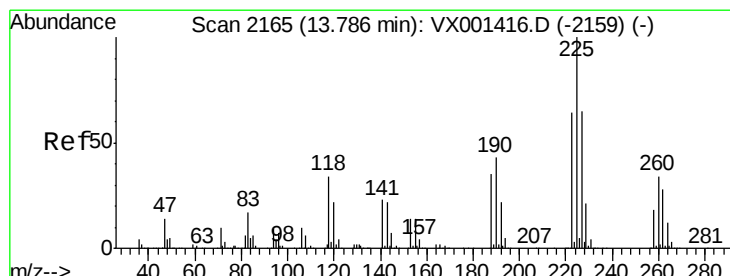
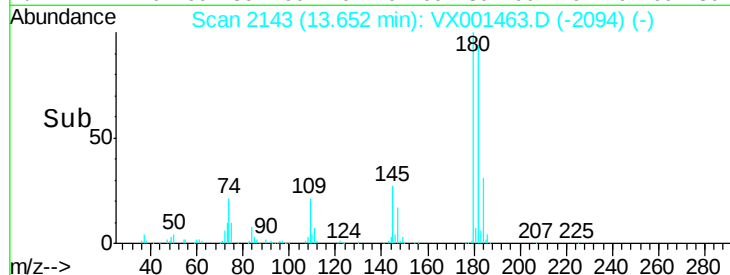
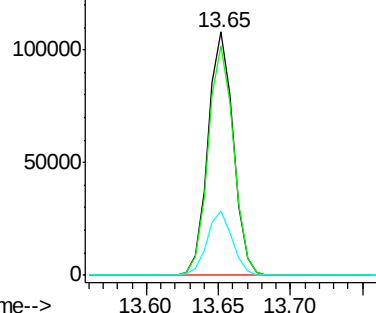
Tot Ion:	180	Resp:	131410
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	26.6	13.3	39.9

Manual Integrations
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 5/9/2018 5:47:32 PM

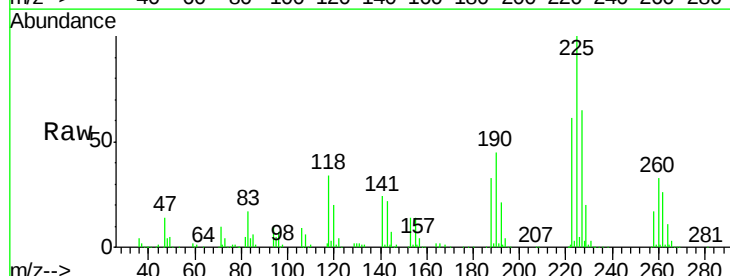


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

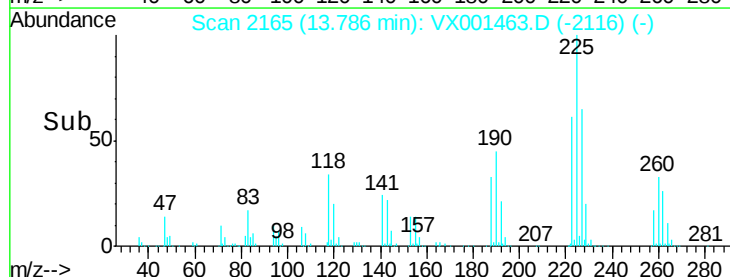
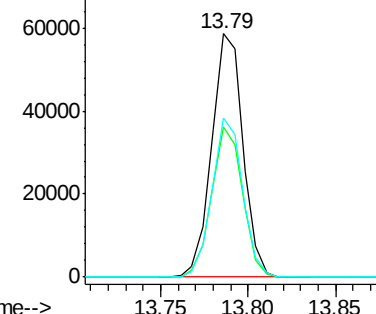


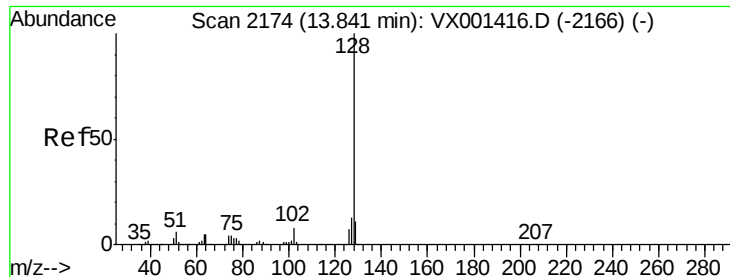
#94
 Hexachlorobutadiene
 Concen: 21.08 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001463.D
 Acq: 07 May 2018 13:59

Tgt Ion:	225	Resp:	72551
Ion Ratio	Lower	Upper	
225	100		
223	61.2	31.3	93.9
227	64.1	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





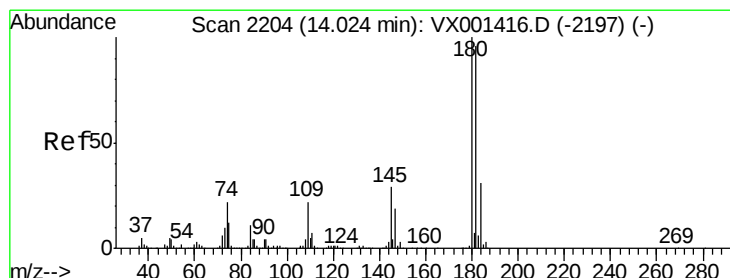
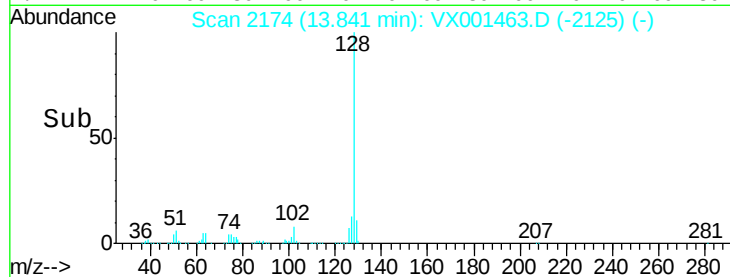
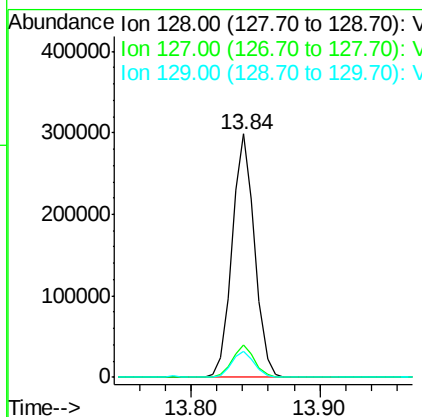
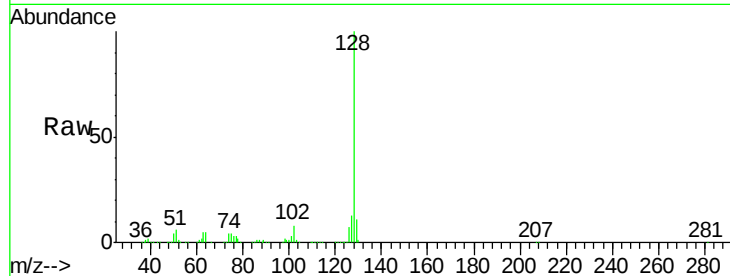
#95
Naphthalene
Concen: 20.90 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	363487		
127	12.9		10.4	15.6
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/9/2018 5:47:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.06 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001463.D
Acq: 07 May 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	135954		
182	97.9		48.0	144.2
145	28.5		14.1	42.4

