

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002063.D
 Acq On : 27 May 2018 12:53
 Operator : JC/MD
 Sample : VX0527WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:34 PM

Quant Time: May 29 03:24:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	201250	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	156640	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
50) Toluene-d8	8.72	98	592745	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.14	95	226247	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59640	17.87	ug/l	96
3) Chloromethane	1.32	50	92595	24.22	ug/l	100
4) Vinyl Chloride	1.40	62	73466	19.90	ug/l	99
5) Bromomethane	1.64	94	39775	22.88	ug/l	96
6) Chloroethane	1.73	64	47264	21.72	ug/l	99
7) Trichlorofluoromethane	1.93	101	119916	21.63	ug/l	98
8) Diethyl Ether	2.19	74	44729	22.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68627	22.18	ug/l	98
10) Methyl Iodide	2.51	142	63331	15.13	ug/l	98
11) Tert butyl alcohol	3.07	59	90424	103.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60595	20.92	ug/l	97
13) Acrolein	2.29	56	23507	62.35	ug/l	98
14) Allyl chloride	2.73	41	130287	21.43	ug/l	98
15) Acrylonitrile	3.15	53	190153	106.05	ug/l	99
16) Acetone	2.45	43	191788	111.87	ug/l	99
17) Carbon Disulfide	2.57	76	157366	18.88	ug/l	99
18) Methyl Acetate	2.78	43	98839	23.33	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	238258	21.87	ug/l	98
20) Methylene Chloride	2.86	84	86439	28.40	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	64727	22.07	ug/l	97
22) Diisopropyl ether	3.87	45	238644	19.30	ug/l	99
23) Vinyl Acetate	3.82	43	1059518	103.32	ug/l	98
24) 1,1-Dichloroethane	3.70	63	131525	22.39	ug/l	98
25) 2-Butanone	4.70	43	277078	88.18	ug/l	100
26) 2,2-Dichloropropane	4.59	77	108550	18.25	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71263	18.87	ug/l	88
28) Bromochloromethane	5.02	49	53064	20.28	ug/l	99
29) Tetrahydrofuran	5.17	42	174983	85.59	ug/l	99
30) Chloroform	5.21	83	123307	18.63	ug/l	97
31) Cyclohexane	5.57	56	110239	18.01	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	111927	18.14	ug/l	99
36) 1,1-Dichloropropene	5.81	75	87485	18.44	ug/l	97
37) Ethyl Acetate	4.86	43	108079	17.47	ug/l	100
38) Carbon Tetrachloride	5.79	117	97879	17.69	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampled :
 VX0527WBS01

Manual Integrations
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Quant Time: May 29 03:24:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112384	19.28	ug/l	100
40) Benzene	6.15	78	271119	19.50	ug/l	97
41) Methacrylonitrile	5.06	41	61978	18.12	ug/l	97
42) 1,2-Dichloroethane	6.20	62	105698	19.03	ug/l	99
43) Isopropyl Acetate	6.46	43	187979	18.24	ug/l	99
44) Trichloroethene	7.21	130	78221	19.31	ug/l	99
45) 1,2-Dichloropropane	7.52	63	74486	19.73	ug/l	94
46) Dibromomethane	7.67	93	48351	19.34	ug/l	99
47) Bromodichloromethane	7.90	83	95971	18.01	ug/l	98
48) Methyl methacrylate	7.78	41	95996	18.30	ug/l	99
49) 1,4-Dioxane	7.76	88	34093	368.76	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	573076	92.22	ug/l	100
52) Toluene	8.79	92	174264	19.70	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115348	18.79	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	109761	18.35	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	71605	19.37	ug/l	99
56) Ethyl methacrylate	9.18	69	117119	18.42	ug/l	100
57) 1,3-Dichloropropane	9.37	76	120480	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	287869	102.16	ug/l	99
59) 2-Hexanone	9.50	43	443098	92.48	ug/l	99
60) Dibromochloromethane	9.59	129	77949	17.81	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74807	19.29	ug/l	100
64) Tetrachloroethene	9.34	164	90350	19.81	ug/l	99
65) Chlorobenzene	10.14	112	195971	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	75042	18.44	ug/l	100
67) Ethyl Benzene	10.26	91	340047	19.42	ug/l	99
68) m/p-Xylenes	10.36	106	261585	39.08	ug/l	99
69) o-Xylene	10.70	106	129252	19.34	ug/l	99
70) Styrene	10.71	104	212418	19.16	ug/l	100
71) Bromoform	10.86	173	62261	16.13	ug/l #	99
73) Isopropylbenzene	11.02	105	350046	19.25	ug/l	99
74) N-amyl acetate	6.46	43	187979	17.91	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	101455	19.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	109628m	21.26	ug/l	
77) Bromobenzene	11.26	156	93410	19.37	ug/l	96
78) n-propylbenzene	11.37	91	392314	19.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	236603	19.79	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	299669	19.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	33852	15.78	ug/l	94
82) 4-Chlorotoluene	11.51	91	276100	19.23	ug/l	100
83) tert-Butylbenzene	11.77	119	290717	19.07	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	306767	19.11	ug/l	98
85) sec-Butylbenzene	11.95	105	353681	19.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	319225	19.47	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	168513	19.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	168825	19.55	ug/l	99
89) n-Butylbenzene	12.39	91	270951	19.50	ug/l	100
90) Hexachloroethane	12.60	117	54560	16.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	170229	19.34	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25015	15.48	ug/l	98

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ClientSampleId :
VX0527WBS01

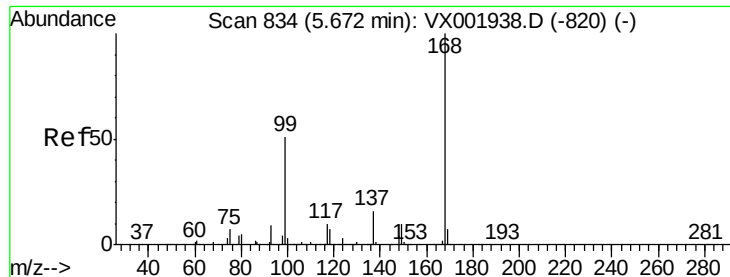
Manual Integrations
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5/30/2018 1:50:34 PM

Quant Time: May 29 03:24:18 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124741	19.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	65301	19.29	ug/l	98
95) Naphthalene	13.84	128	366255	18.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127492	19.58	ug/l	100

(#) = 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: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion:168 Resp: 248515

Ion Ratio Lower Upper

168 100

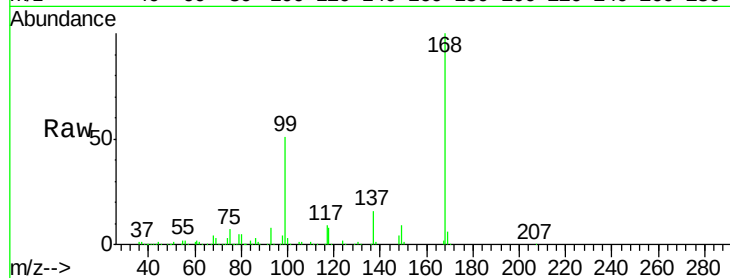
99 50.6 41.0 61.4

Manual Integrations

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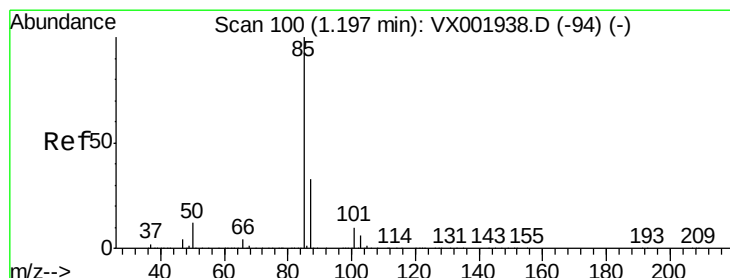
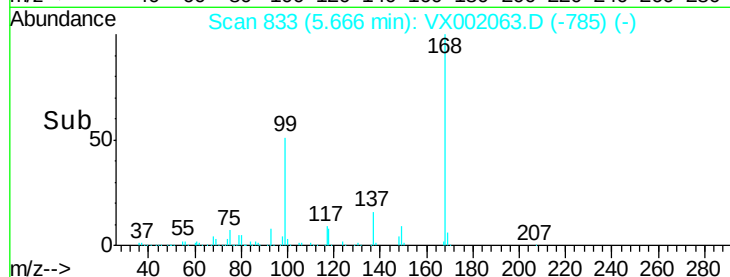


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 17.87 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002063.D

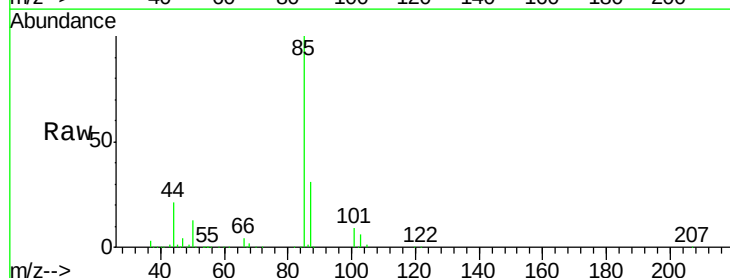
Acq: 27 May 2018 12:53

Tgt Ion: 85 Resp: 59640

Ion Ratio Lower Upper

85 100

87 31.2 16.7 50.0

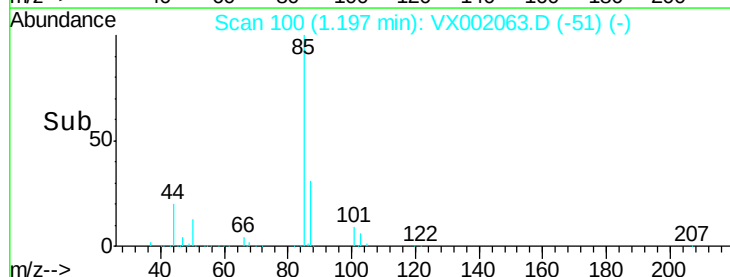


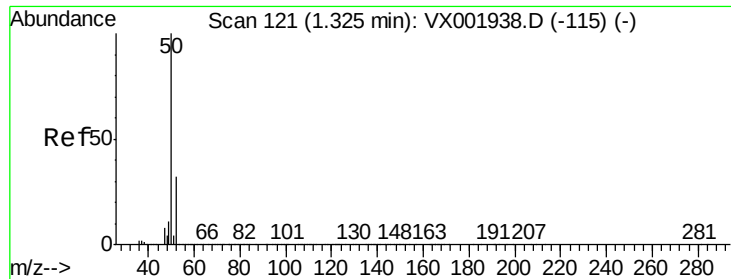
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 24.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 50 Resp: 92595

Ion Ratio Lower Upper

50 100

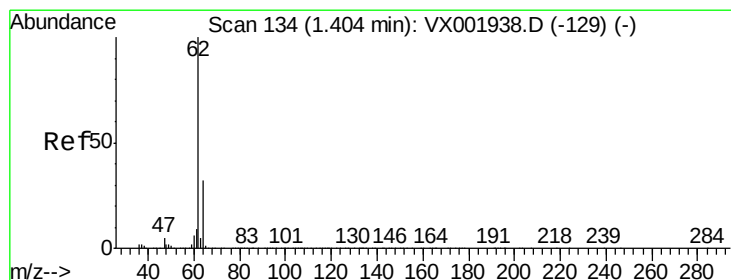
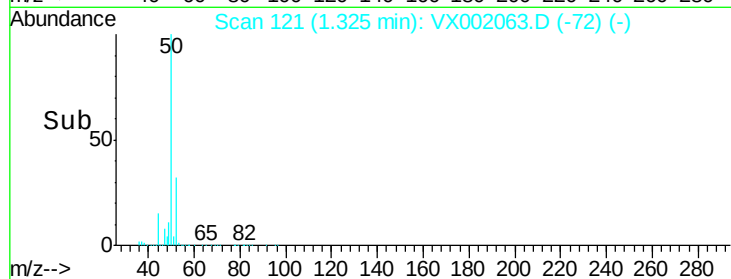
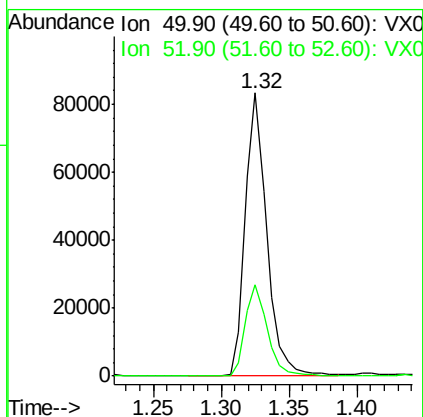
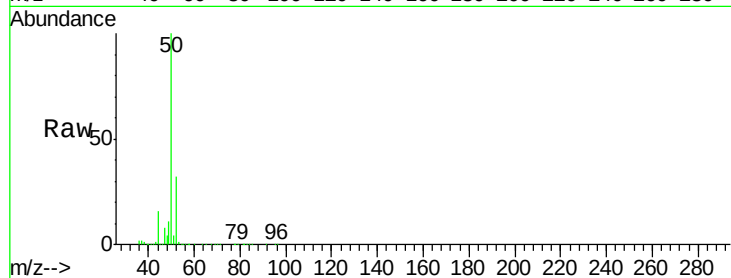
52 32.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002063.D

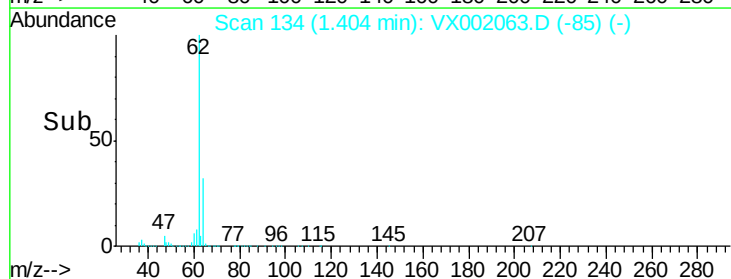
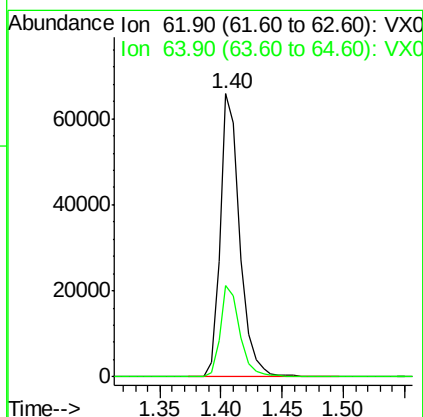
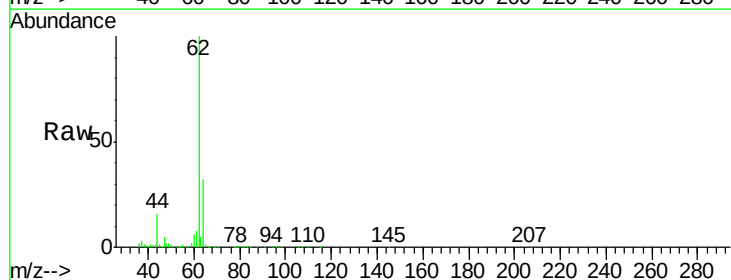
Acq: 27 May 2018 12:53

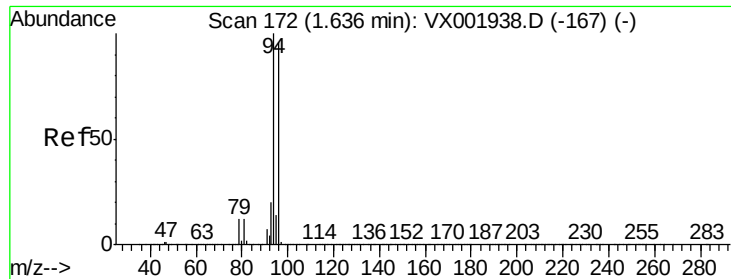
Tgt Ion: 62 Resp: 73466

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 22.88 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 94 Resp: 39775

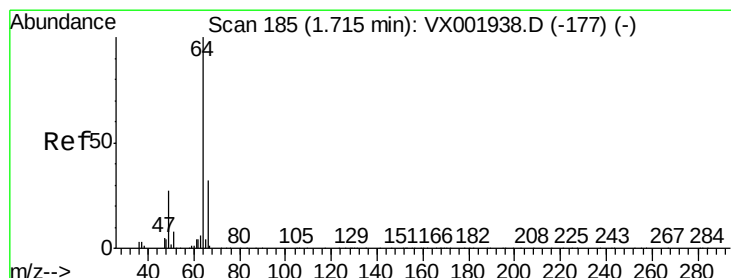
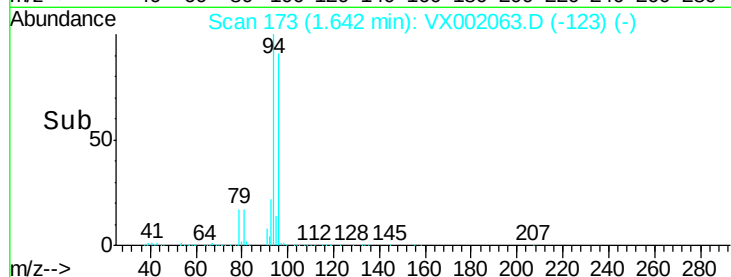
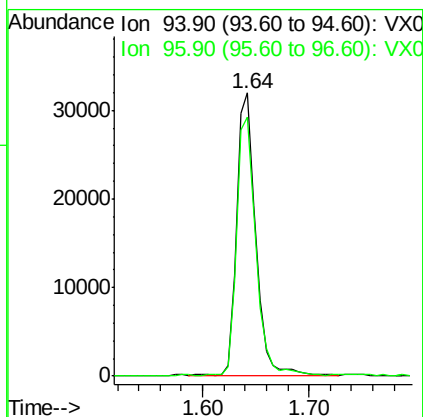
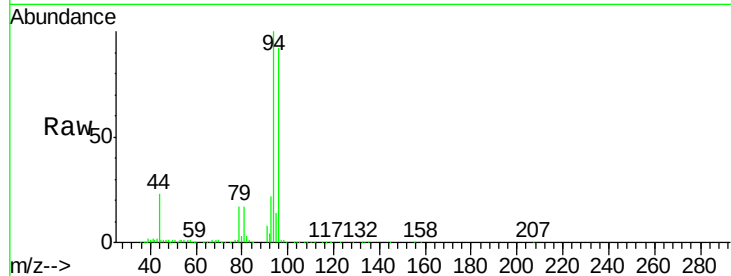
Ion Ratio Lower Upper

94 100

96 91.4 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 21.72 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002063.D

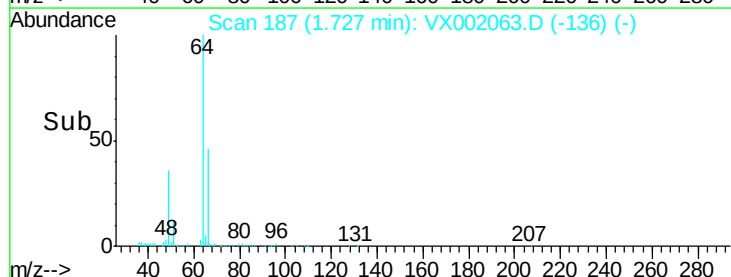
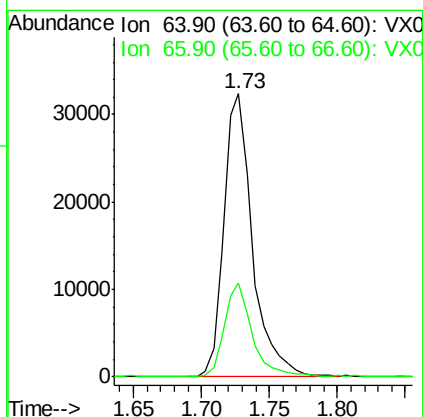
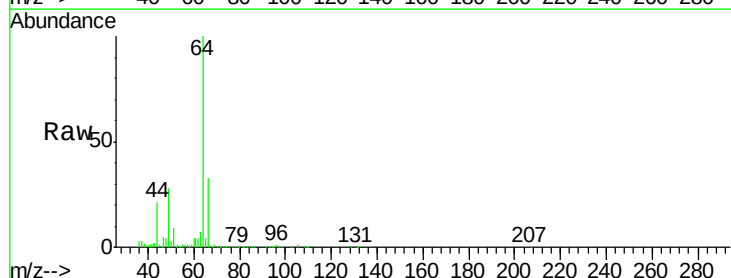
Acq: 27 May 2018 12:53

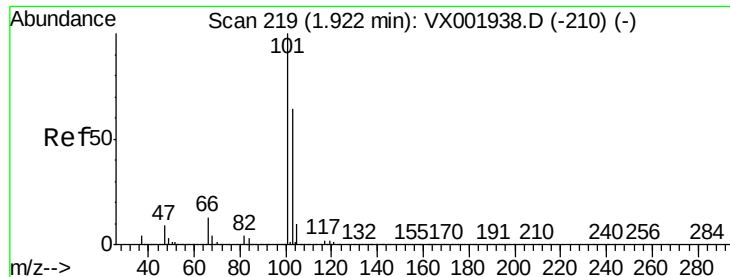
Tgt Ion: 64 Resp: 47264

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

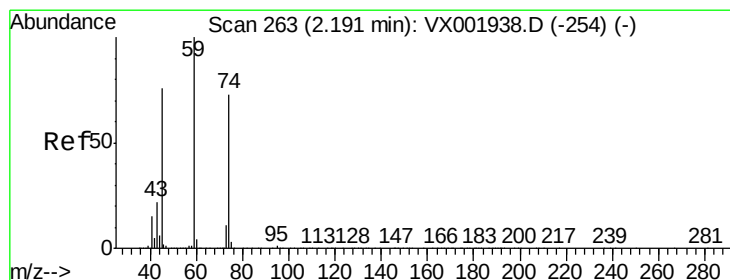
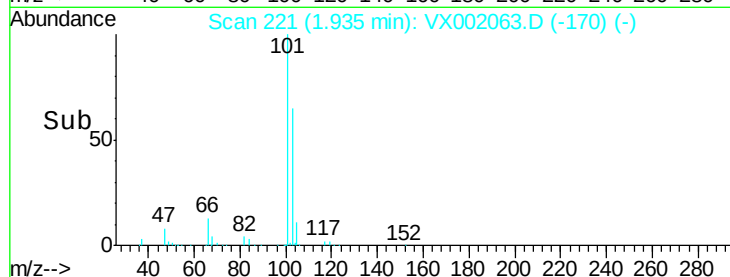
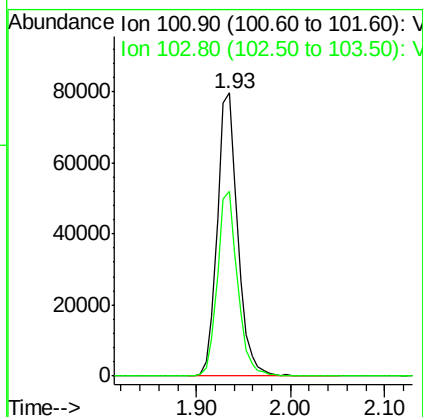
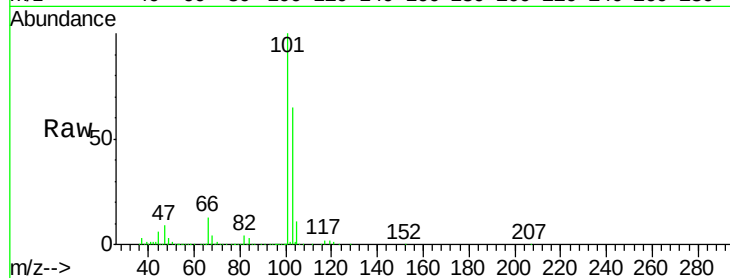
Trichlorofluoromethane
 Concen: 21.63 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
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 ClientSampleId :
 VX0527WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		119916		
103	65.5	51.4	77.0		

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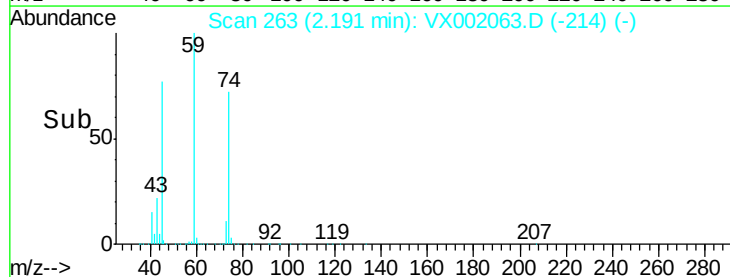
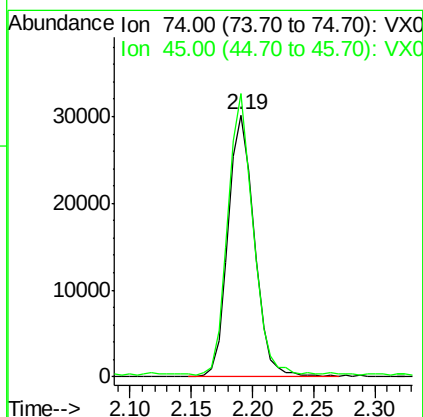
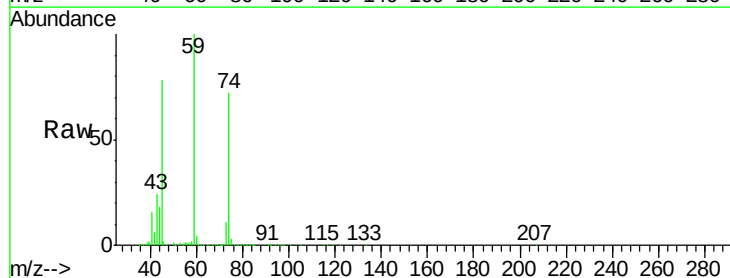
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 5/30/2018 1:50:34 PM

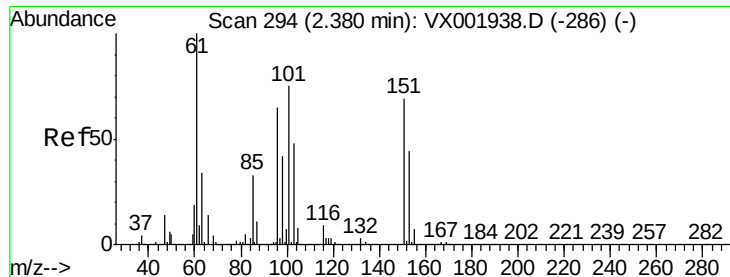


#8

Diethyl Ether
 Concen: 22.23 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44729		
45	103.3	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.18 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

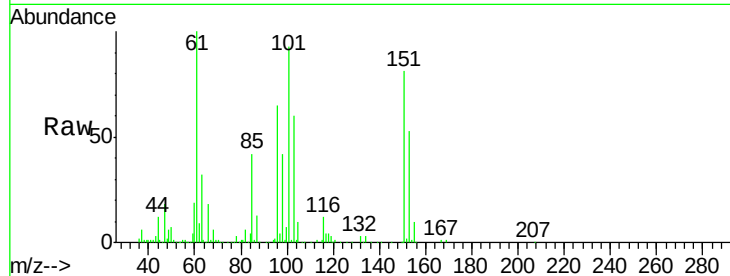
ClientSampleId :

VX0527WBS01

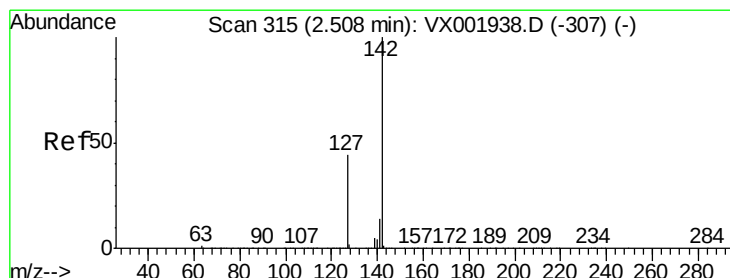
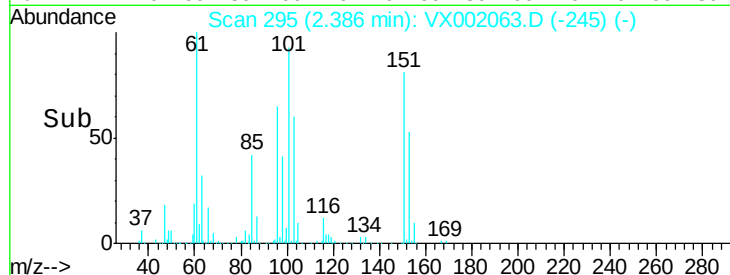
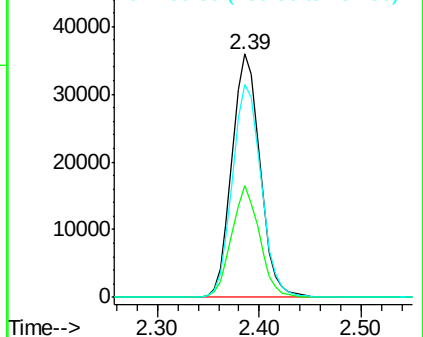
Tot Ion:	101	Resp:	68627
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.6	53.4
151	89.5	73.2	109.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.13 ug/l

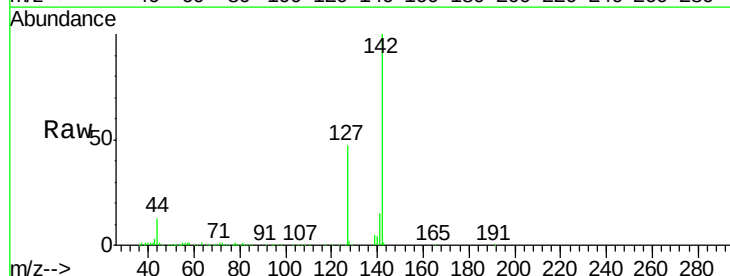
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

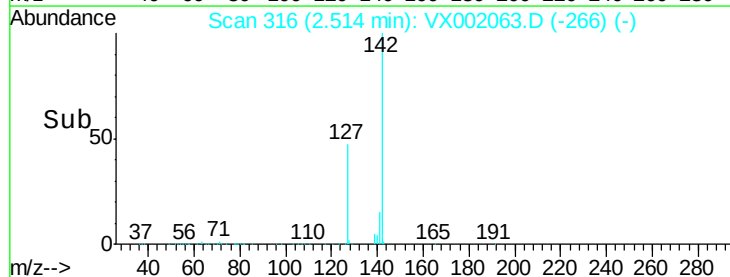
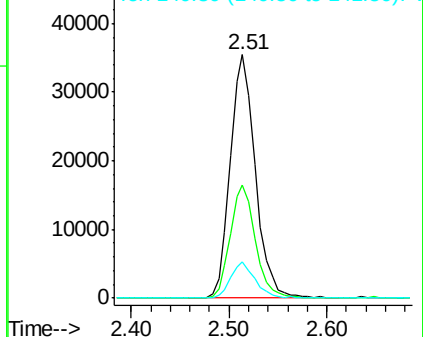
Lab File: VX002063.D

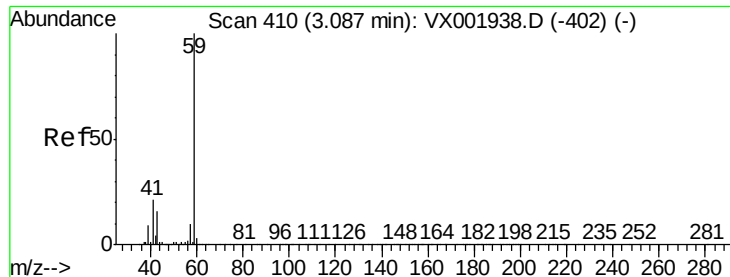
Acq: 27 May 2018 12:53

Tgt Ion:	142	Resp:	63331
Ion Ratio	Lower	Upper	
142	100		
127	46.3	35.5	53.3
141	14.5	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

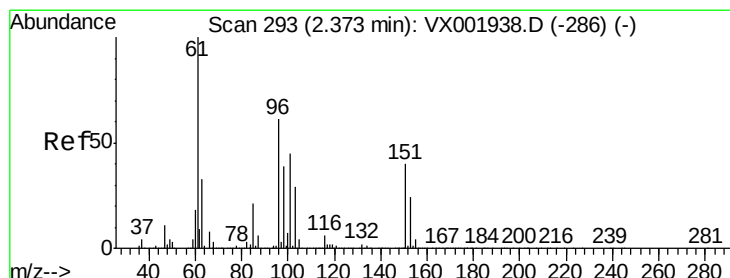
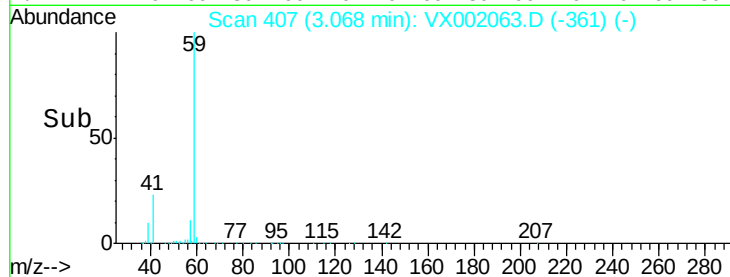
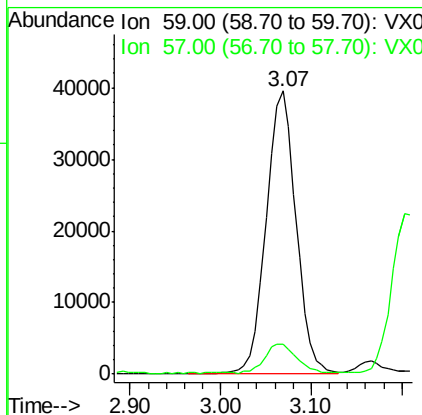
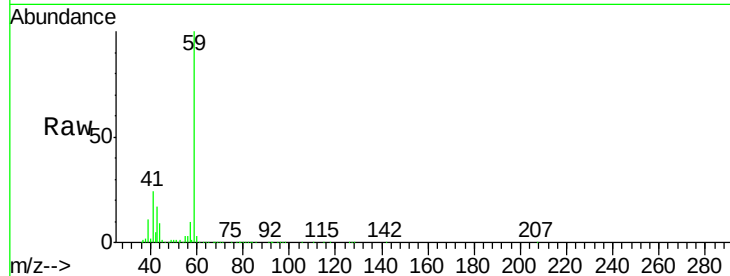
Tert butyl alcohol
Concen: 103.70 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3

Manual Integrations
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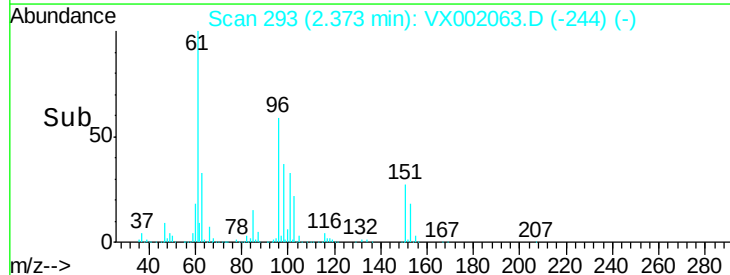
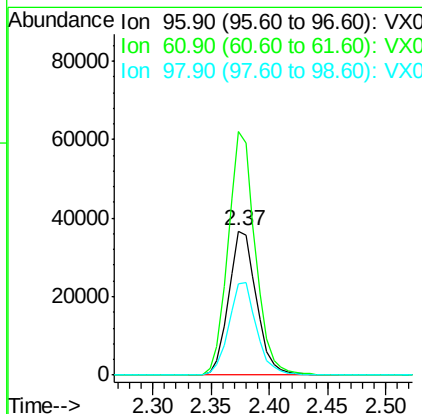
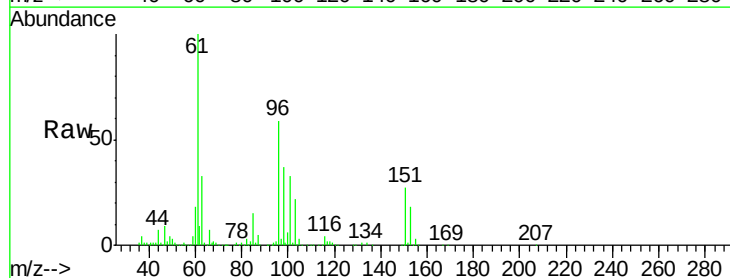
MMDadoda
5/30/2018 1:50:34 PM

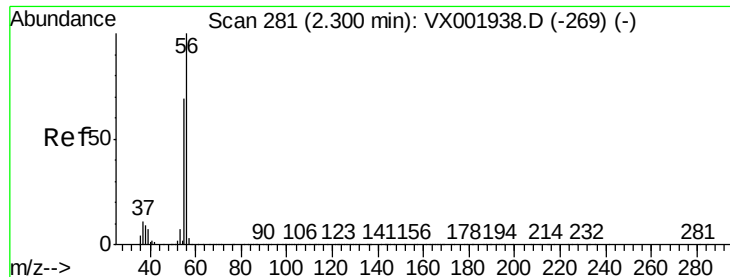


#12

1,1-Dichloroethene
Concen: 20.92 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.5	131.7	197.5
98	63.2	51.6	77.4





#13

Acrolein

Concen: 62.35 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 56 Resp: 23507

Ion Ratio Lower Upper

56 100

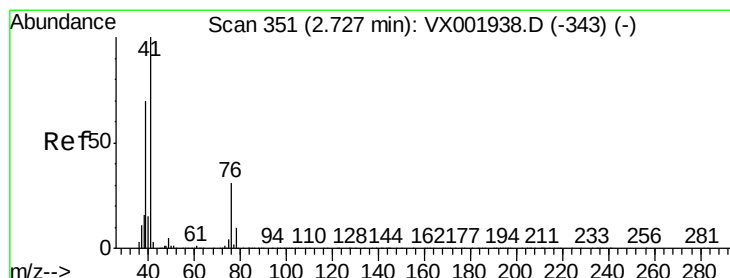
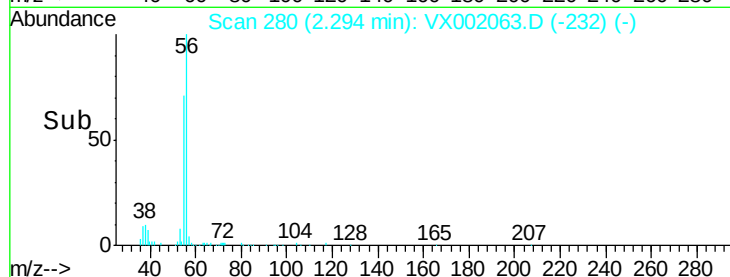
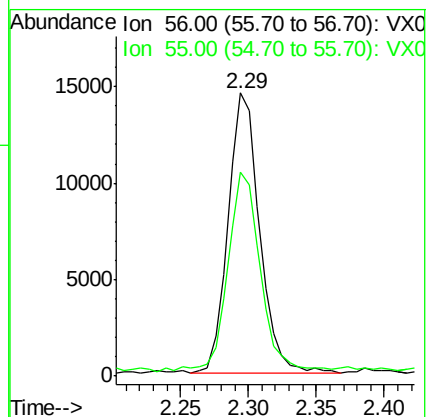
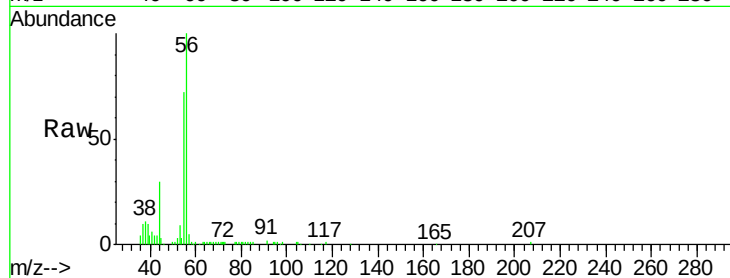
55 72.3 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.43 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

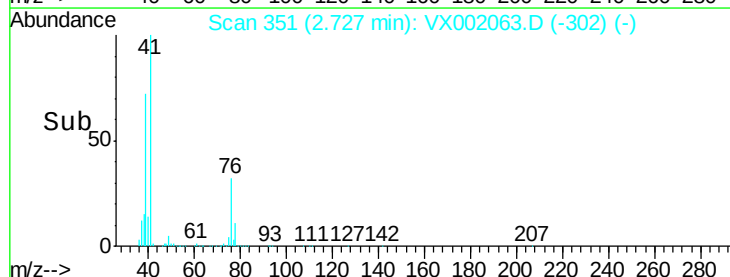
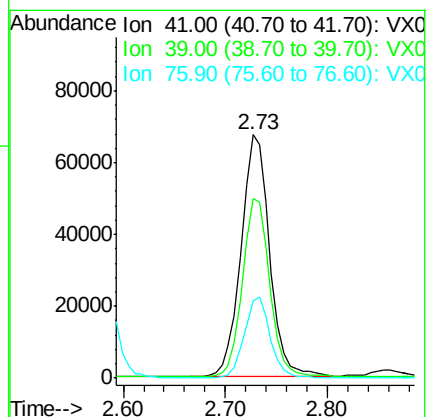
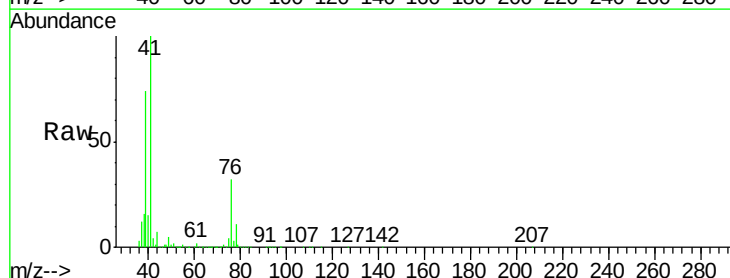
Tgt Ion: 41 Resp: 130287

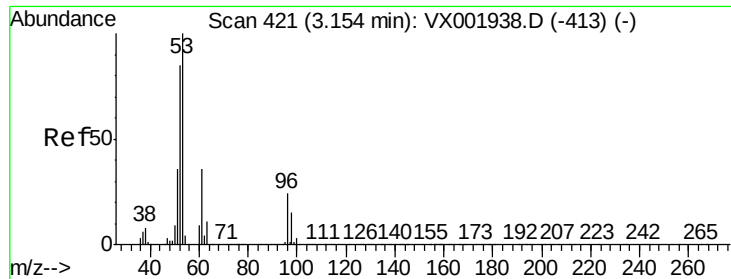
Ion Ratio Lower Upper

41 100

39 70.2 54.3 81.5

76 30.6 24.2 36.4





#15

Acrylonitrile

Concen: 106.05 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tot Ion	53	Resp	190153
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.4	99.6
51	37.0	29.3	43.9

Instrument :

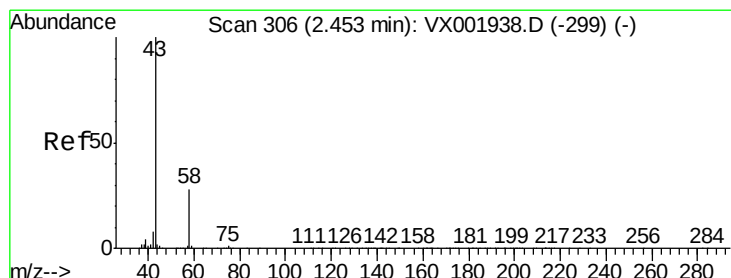
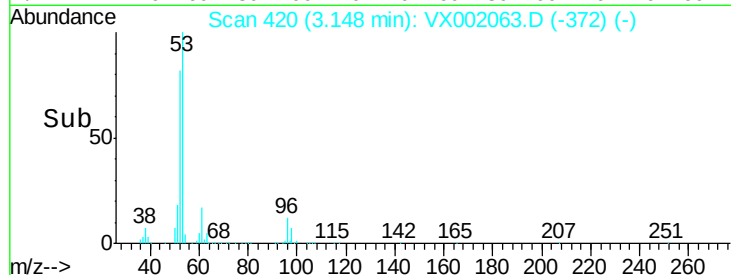
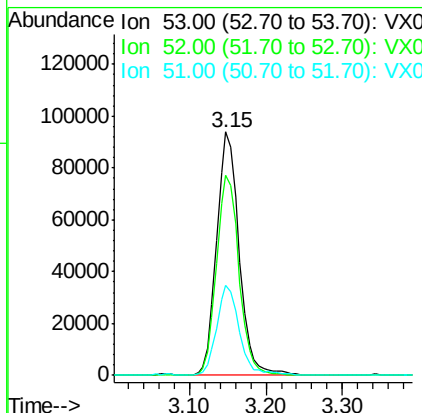
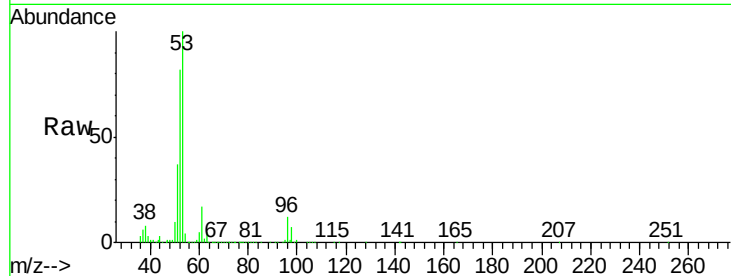
MSVOA_X

ClientSampleId :

VX0527WBS01

Manual Integrations
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5/30/2018 1:50:34 PM



#16

Acetone

Concen: 111.87 ug/l

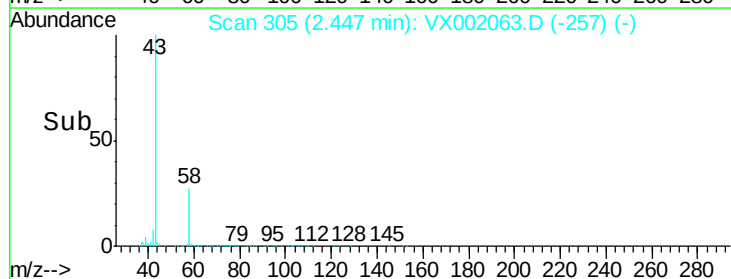
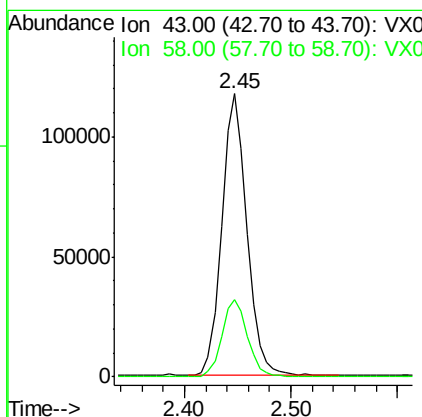
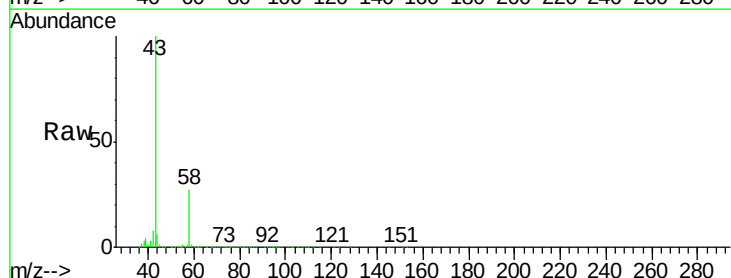
RT: 2.45 min Scan# 305

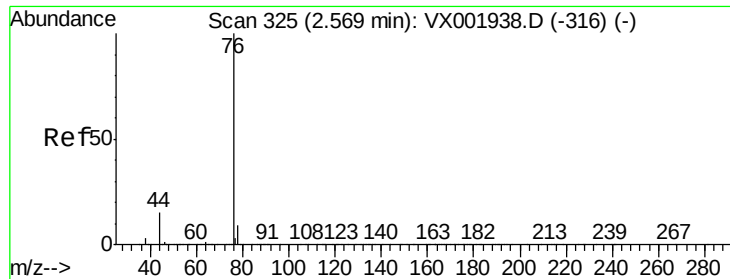
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion	43	Resp	191788
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.3	33.5





#17

Carbon Disulfide

Concen: 18.88 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 76 Resp: 157366

Ion Ratio Lower Upper

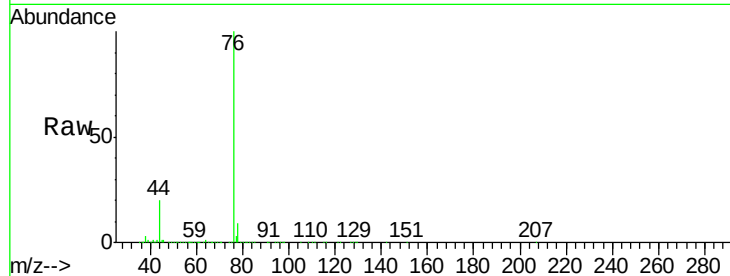
76 100

78 8.8 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

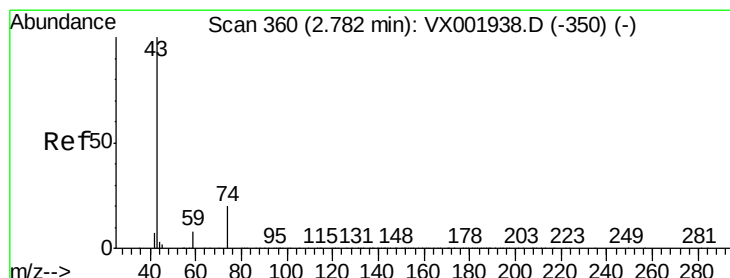
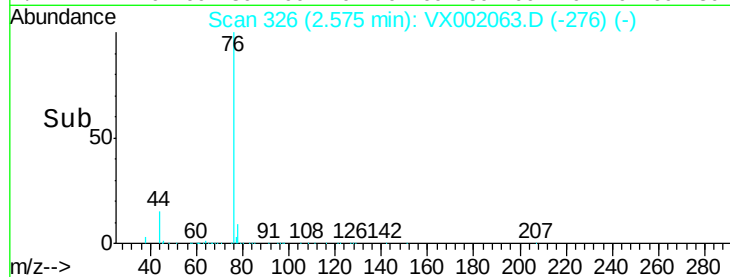
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.33 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002063.D

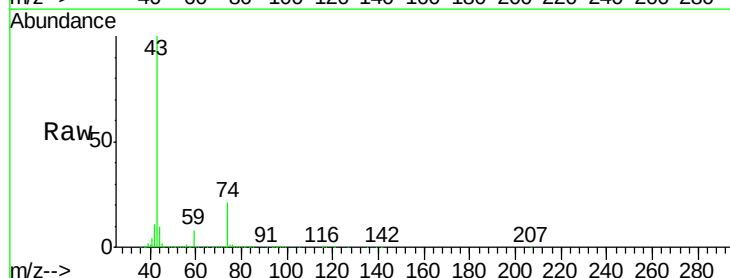
Acq: 27 May 2018 12:53

Tgt Ion: 43 Resp: 98839

Ion Ratio Lower Upper

43 100

74 21.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

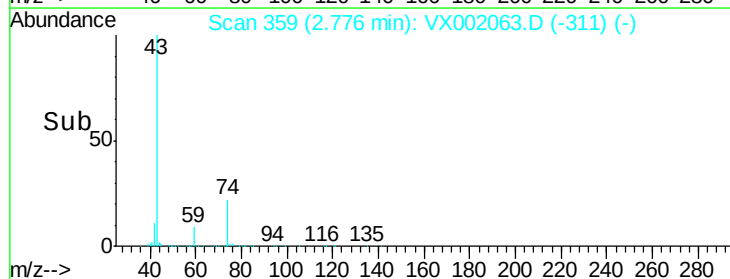
30000

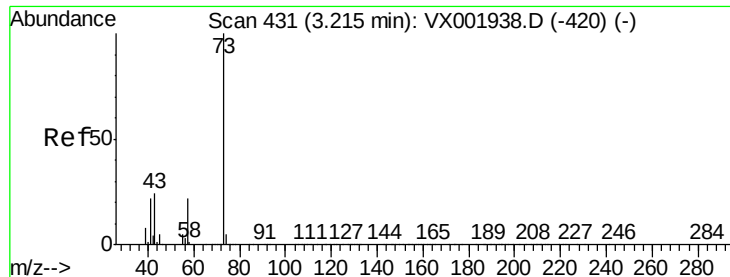
20000

10000

0

Time-->





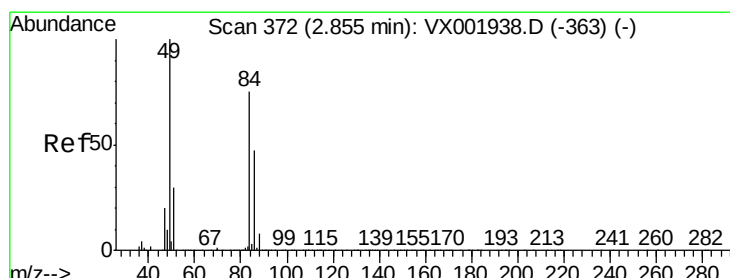
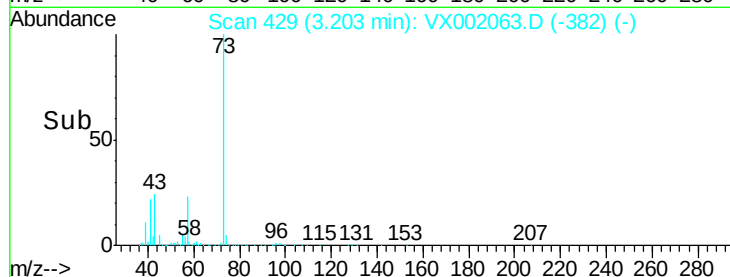
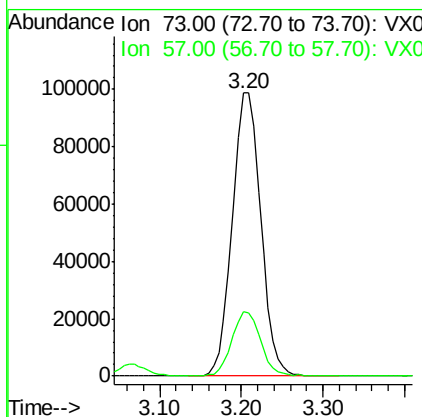
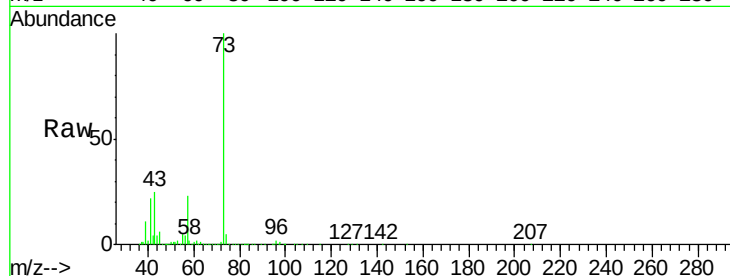
#19
Methyl tert-butyl Ether
Concen: 21.87 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0

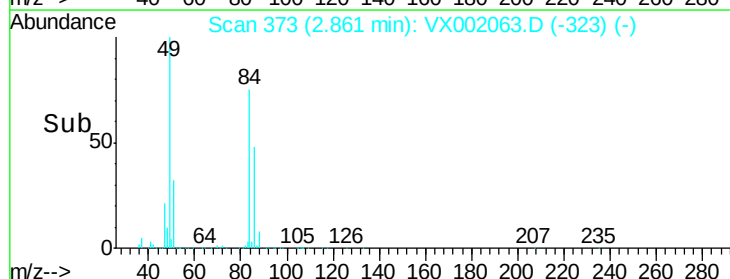
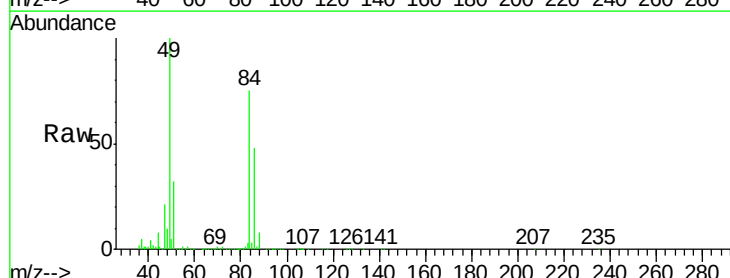
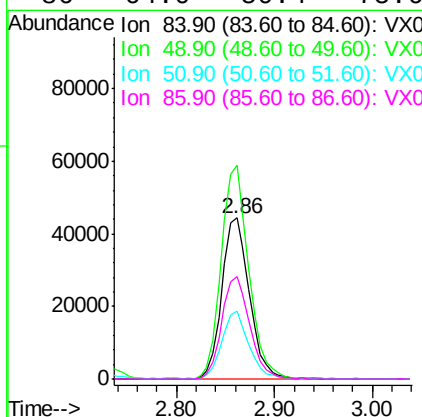
Manual Integrations
APPROVED

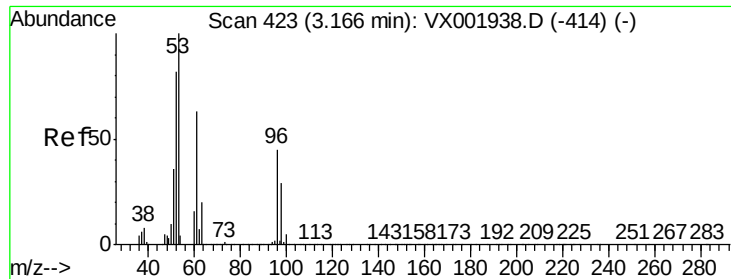
MMDadoda
5/30/2018 1:50:34 PM



#20
Methylene Chloride
Concen: 28.40 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	107.2	160.8
51	42.0	32.4	48.6
86	64.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 22.07 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

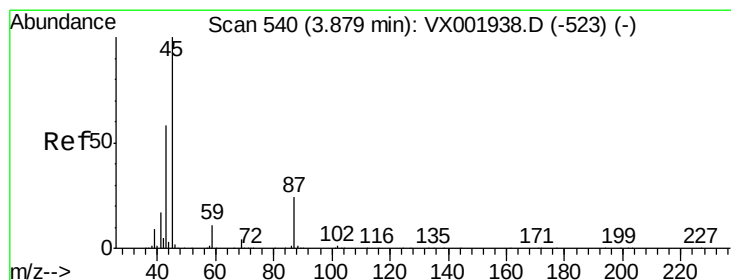
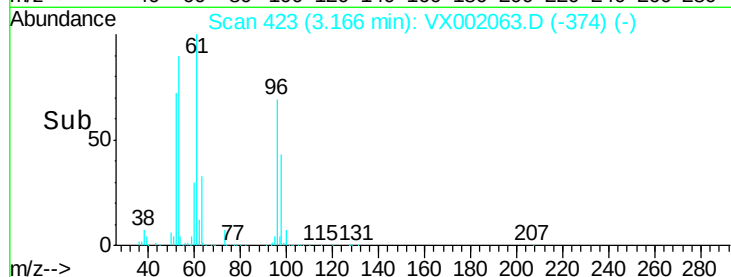
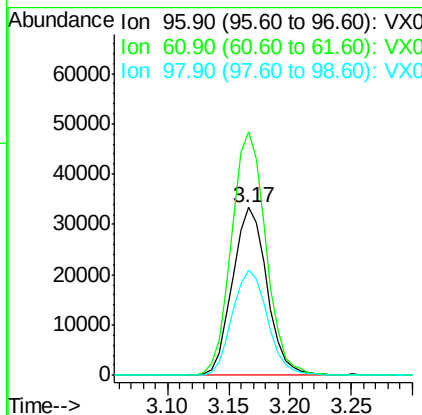
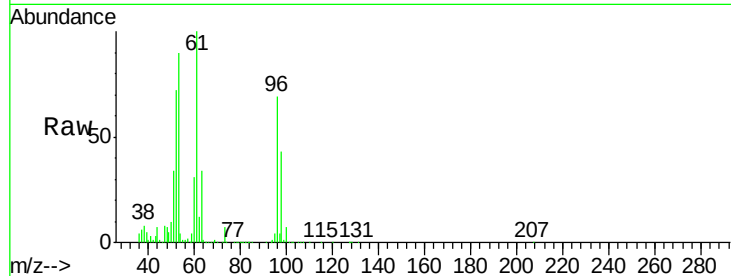
ClientSampleId :

VX0527WBS01

Tot Ion:	96	Resp:	64727
Ion	Ratio	Lower	Upper
96	100		
61	145.4	113.3	169.9
98	62.7	51.7	77.5

Manual Integrations
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5/30/2018 1:50:34 PM



#22

Diisopropyl ether

Concen: 19.30 ug/l

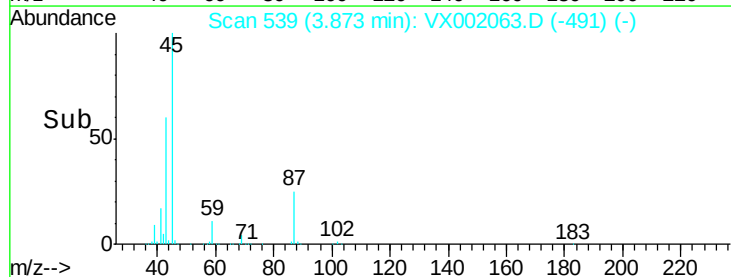
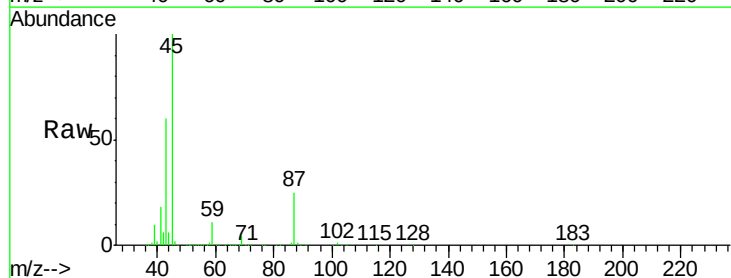
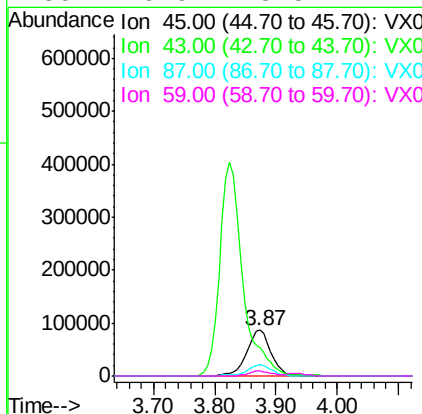
RT: 3.87 min Scan# 539

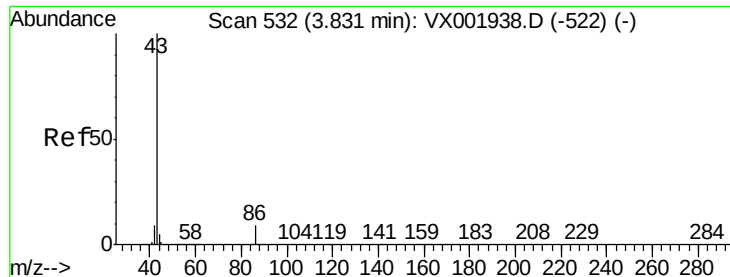
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	45	Resp:	238644
Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.0	70.6
87	24.6	19.4	29.0
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 103.32 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 43 Resp: 1059518

Ion Ratio Lower Upper

43 100

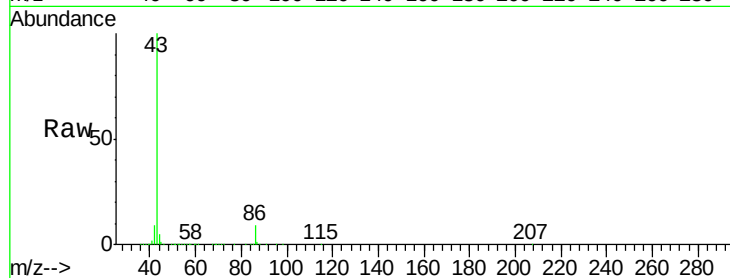
86 8.8 7.6 11.4

Manual Integrations

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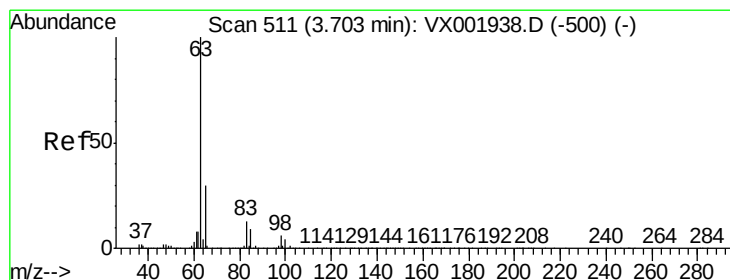
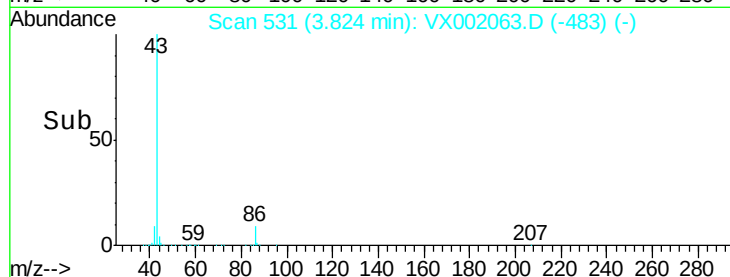
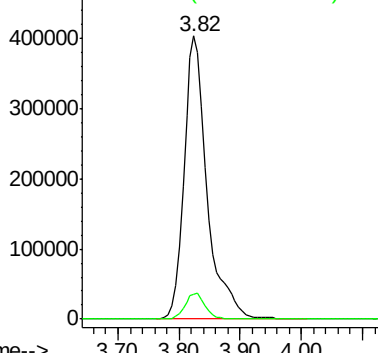
MMDadoda

5/30/2018 1:50:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.39 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

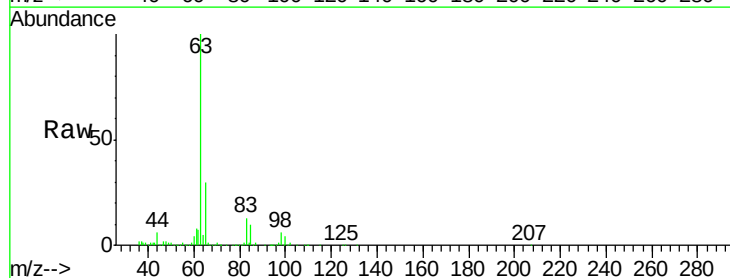
Tgt Ion: 63 Resp: 131525

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

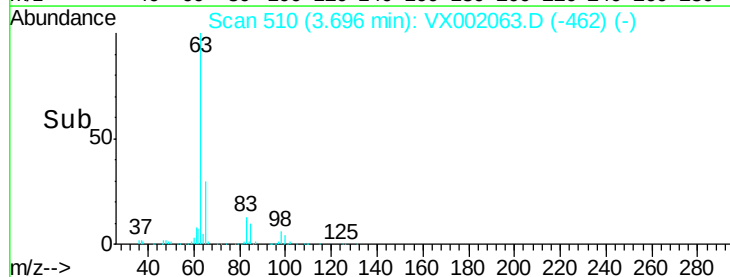
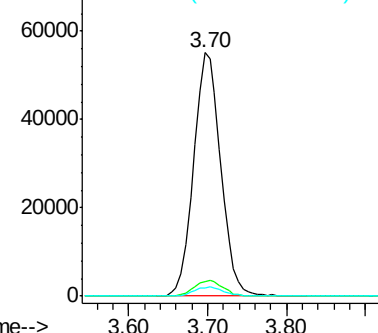
100 3.6 2.1 6.5

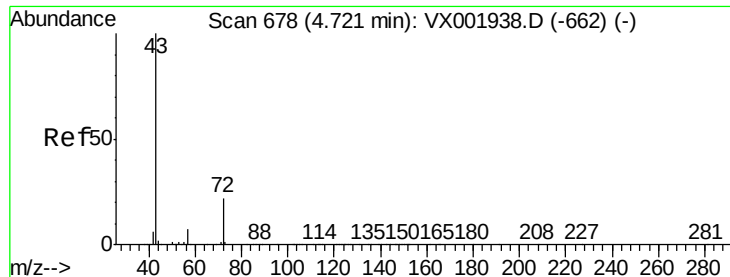


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.18 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tot Ion: 43 Resp: 277078

Ion Ratio Lower Upper

43 100

72 22.4 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

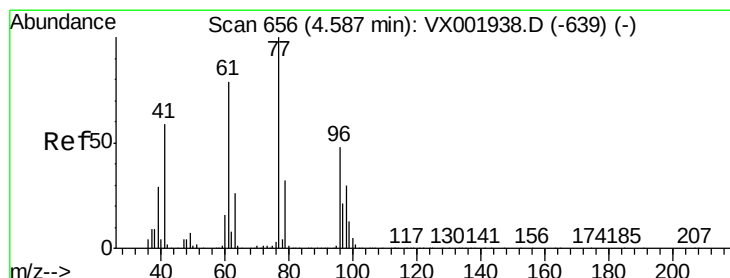
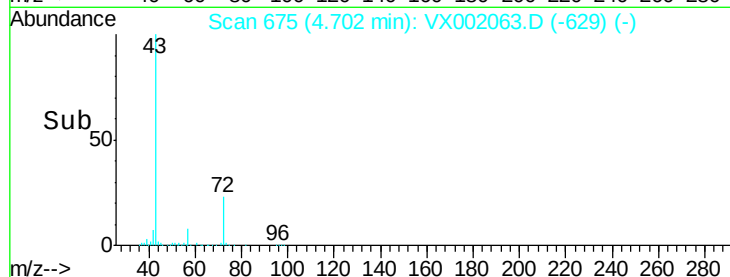
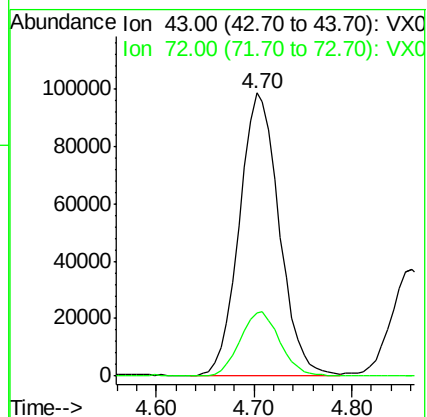
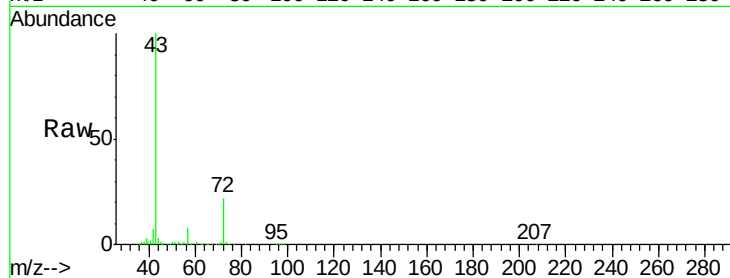
VX0527WBS01

Manual Integrations

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5/30/2018 1:50:34 PM



#26

2,2-Dichloropropane

Concen: 18.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002063.D

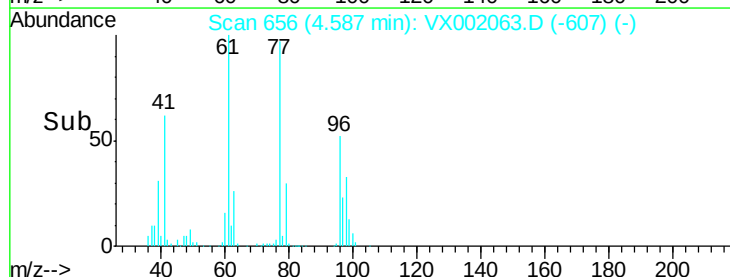
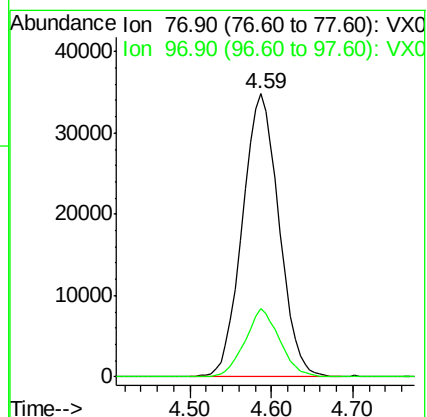
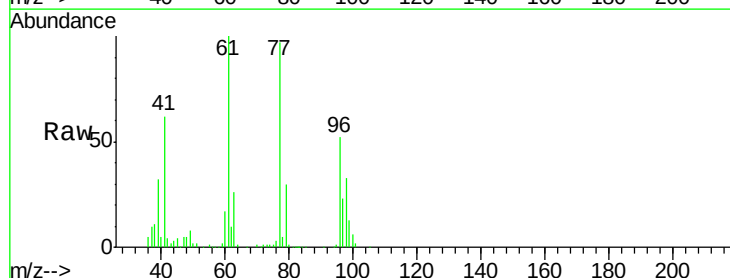
Acq: 27 May 2018 12:53

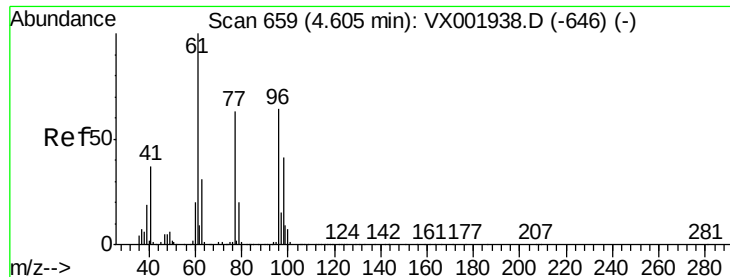
Tgt Ion: 77 Resp: 108550

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.87 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

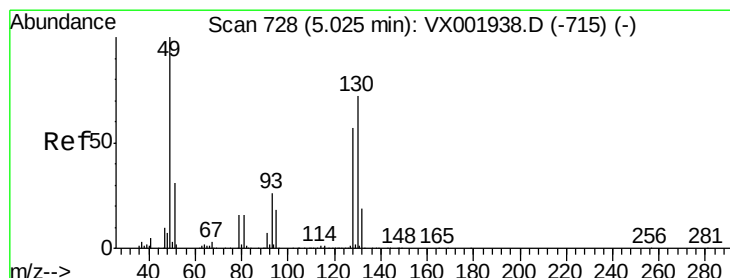
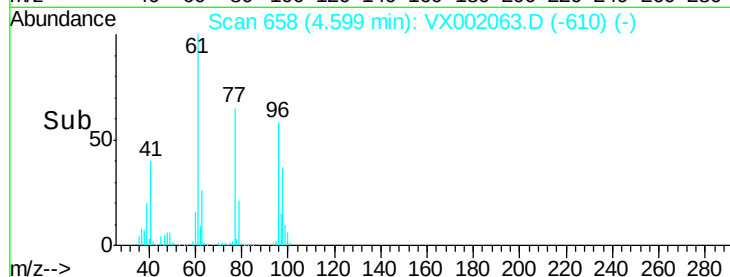
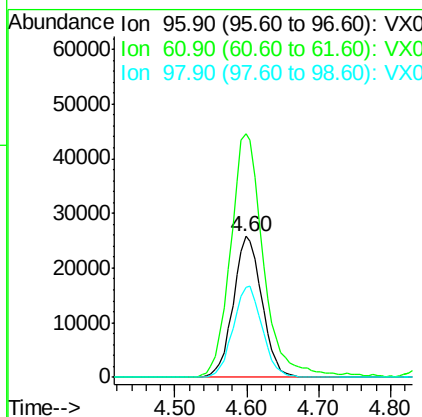
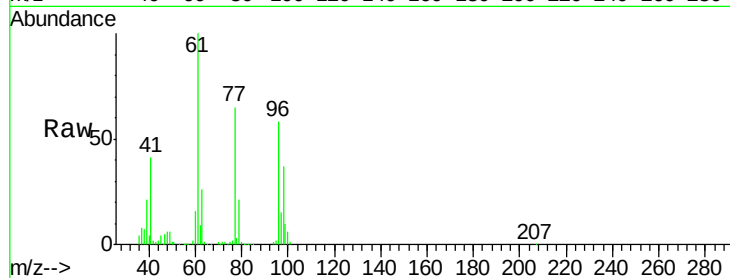
ClientSampleId :

VX0527WBS01

Tot Ion:	96	Resp:	71263
Ion	Ratio	Lower	Upper
96	100		
61	196.5	0.0	348.4
98	65.6	0.0	128.6

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#28

Bromochloromethane

Concen: 20.28 ug/l

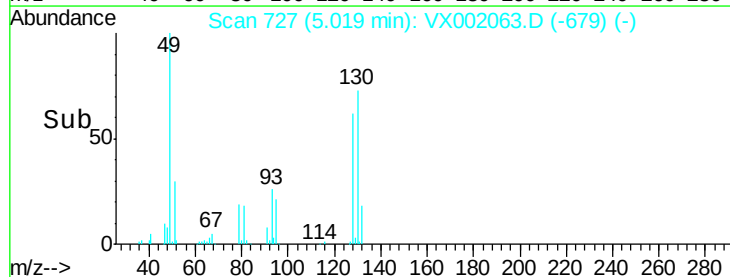
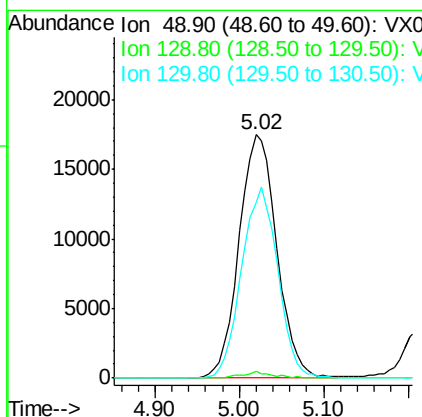
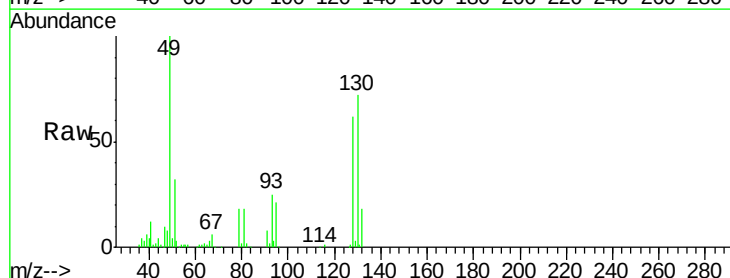
RT: 5.02 min Scan# 727

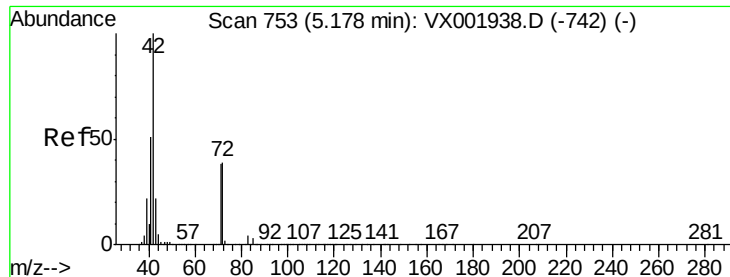
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	49	Resp:	53064
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.4	59.4	89.2





#29

Tetrahydrofuran

Concen: 85.59 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

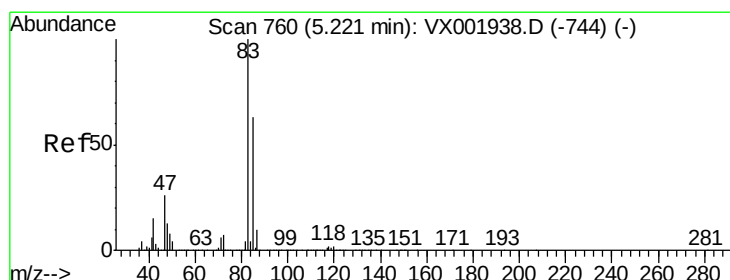
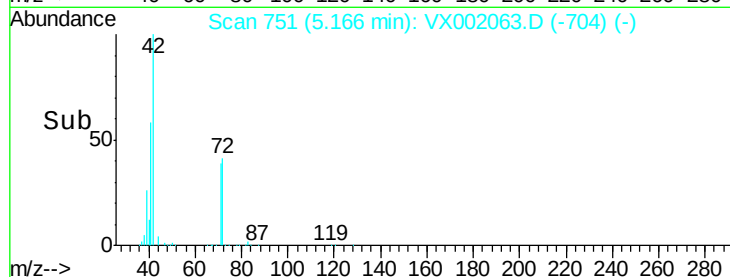
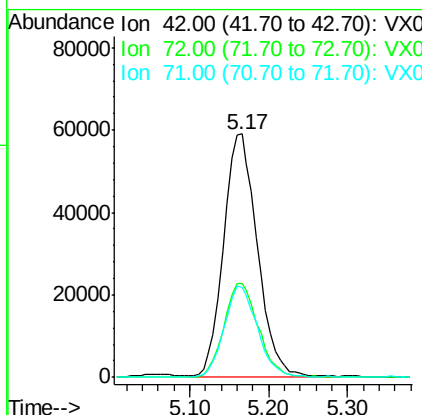
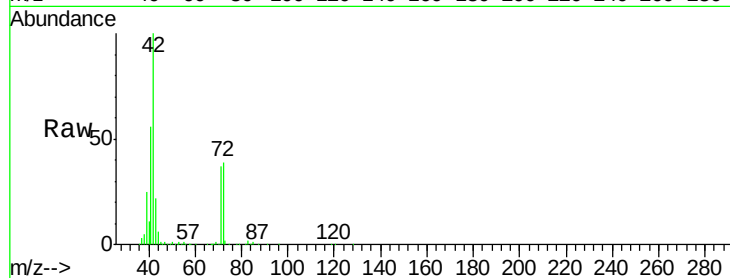
ClientSampleId :

VX0527WBS01

Tot Ion:	42	Resp:	174983
Ion Ratio		Lower	Upper
42	100		
72	39.8	31.4	47.0
71	37.2	29.5	44.3

Manual Integrations
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5/30/2018 1:50:34 PM



#30

Chloroform

Concen: 18.63 ug/l

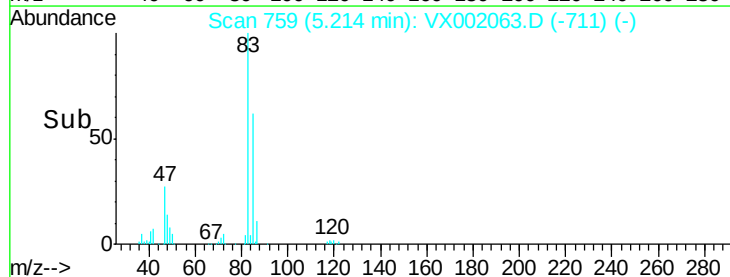
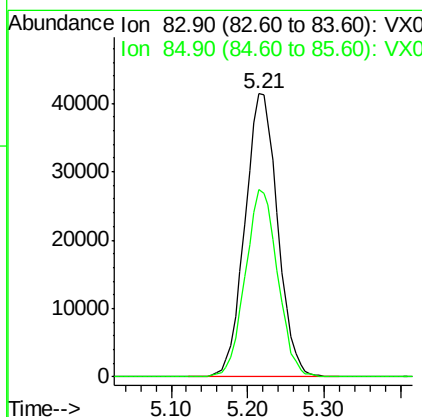
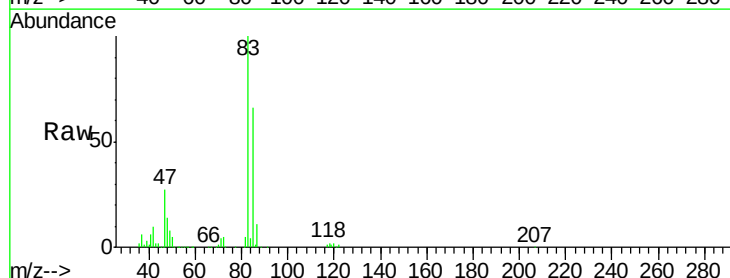
RT: 5.21 min Scan# 759

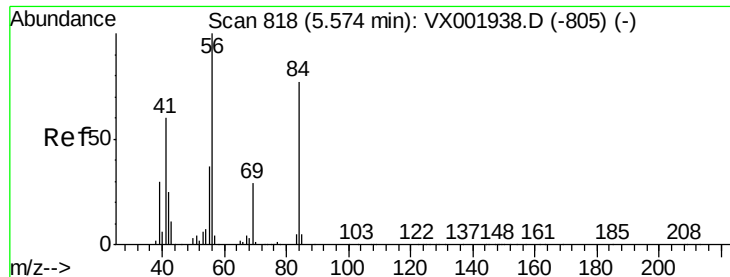
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	83	Resp:	123307
Ion Ratio		Lower	Upper
83	100		
85	66.0	50.9	76.3





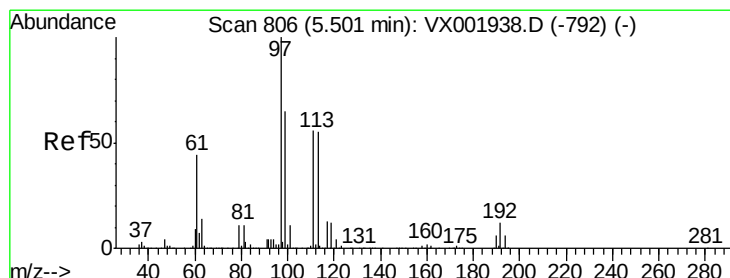
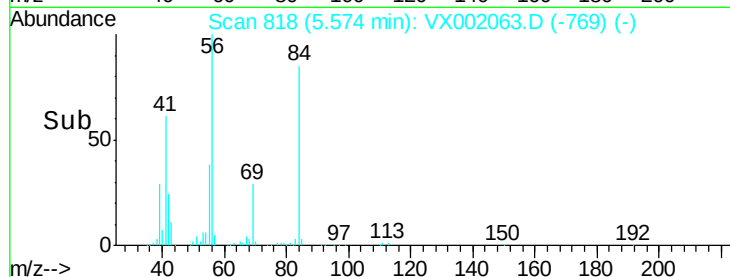
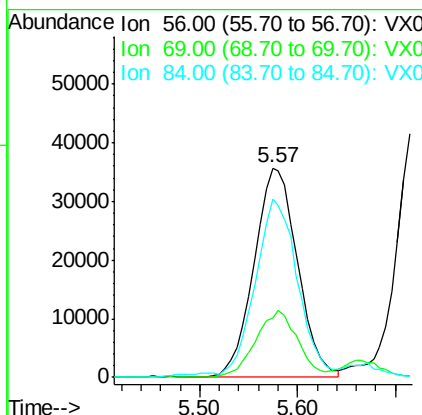
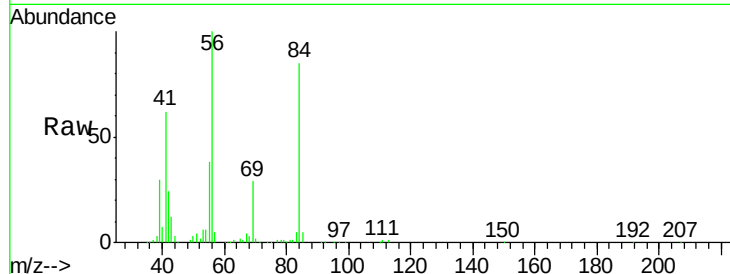
#31
Cyclohexane
Concen: 18.01 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.1	34.7
84	83.6	62.0	93.0

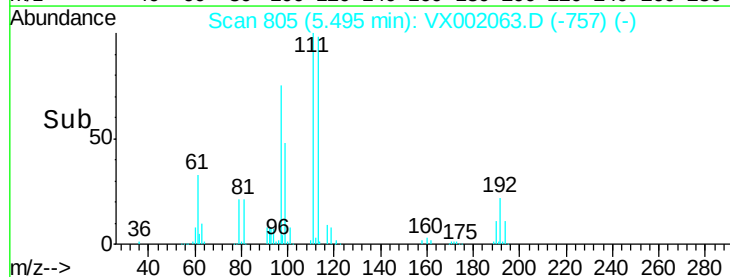
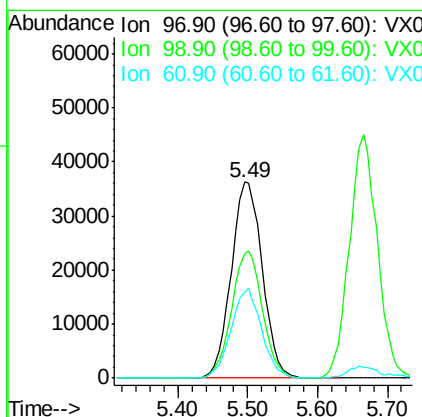
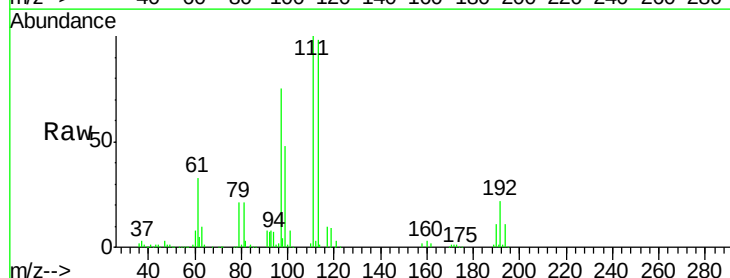
Manual Integrations
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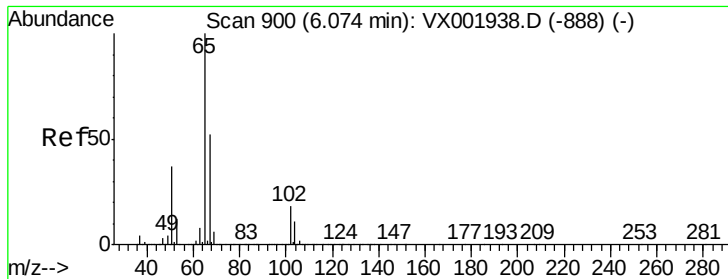
MMDadoda
5/30/2018 1:50:34 PM



#32
1,1,1-Trichloroethane
Concen: 18.14 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	44.8	35.9	53.9





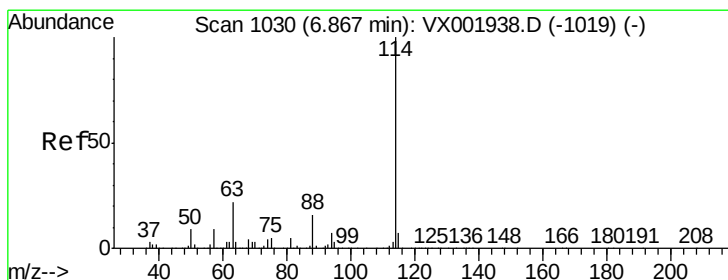
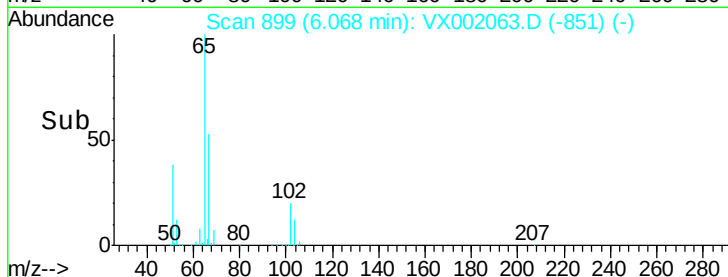
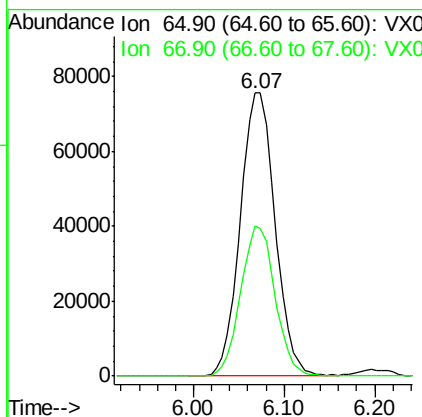
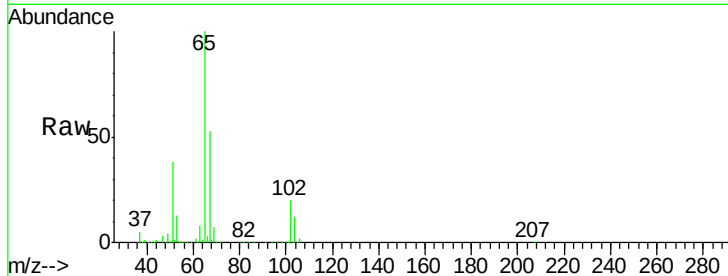
#33
 1,2-Dichloroethane-d4
 Concen: 45.30 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201250		
67	52.5	0.0	104.0	

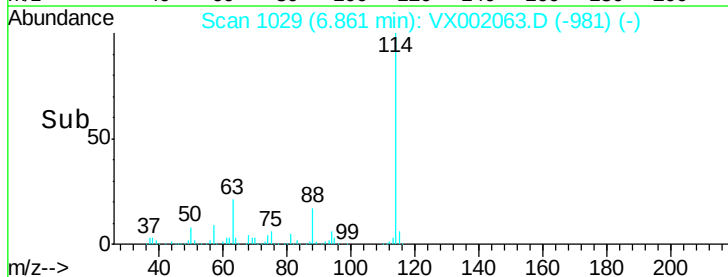
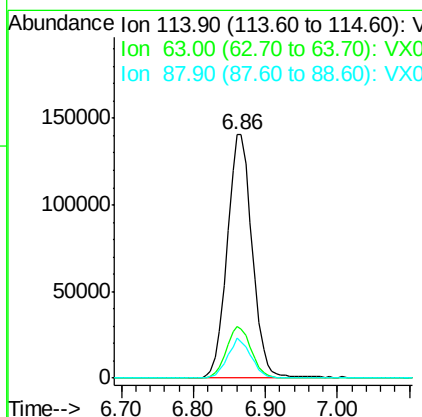
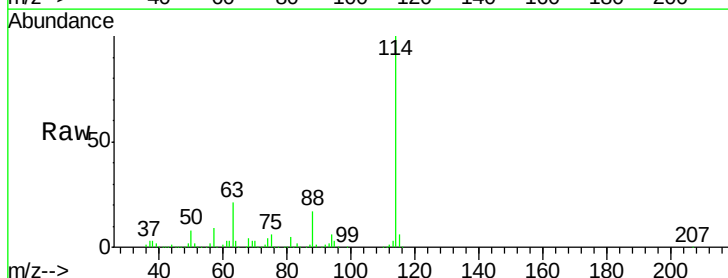
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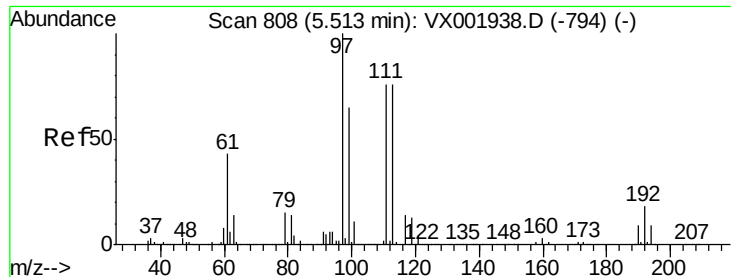
MMDadoda
 5/30/2018 1:50:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341164		
63	21.2	0.0	43.2	
88	16.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 45.91 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002063.D

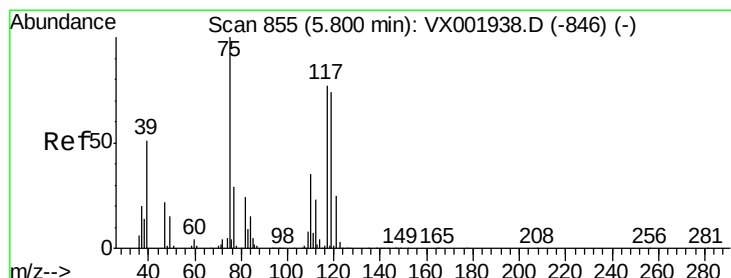
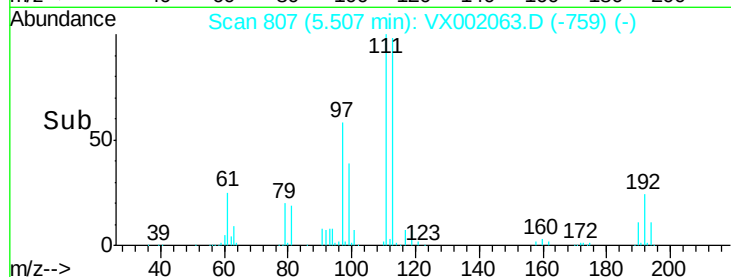
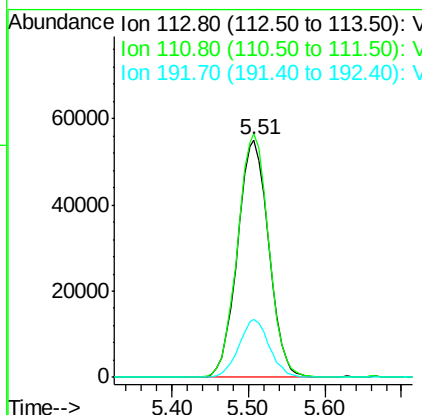
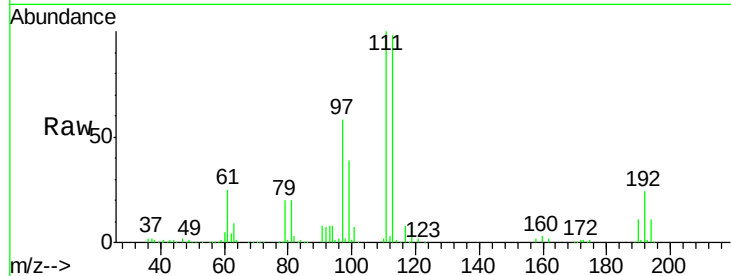
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion:	113	Resp:	156640
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.0	123.0
192	23.7	18.9	28.3

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5/30/2018 1:50:34 PM



#36

1,1-Dichloropropene

Concen: 18.44 ug/l

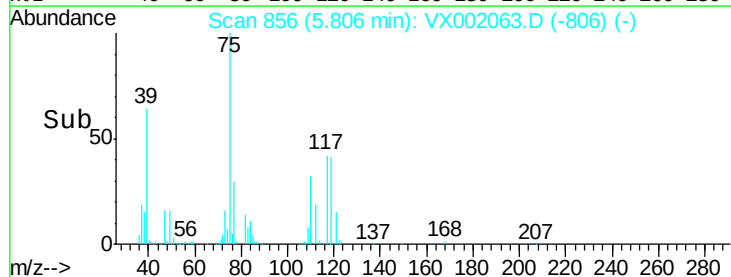
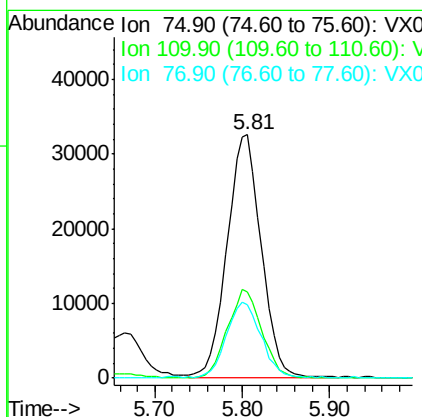
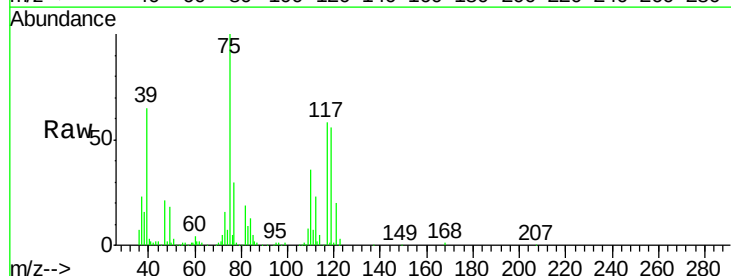
RT: 5.81 min Scan# 856

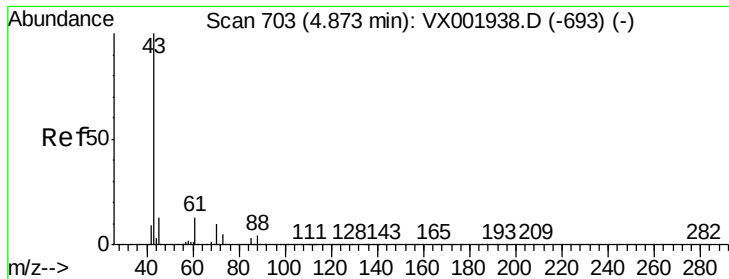
Delta R.T. 0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	75	Resp:	87485
Ion Ratio	Lower	Upper	
75	100		
110	36.8	17.4	52.2
77	31.4	24.4	36.6





#37

Ethyl Acetate

Concen: 17.47 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002063.D

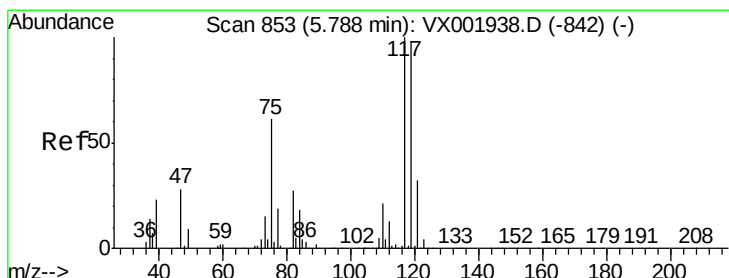
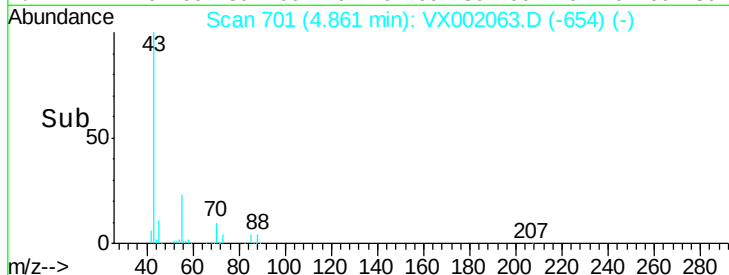
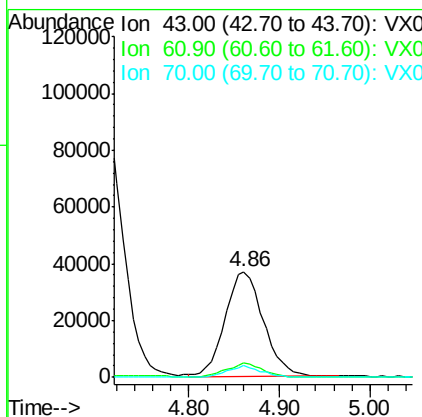
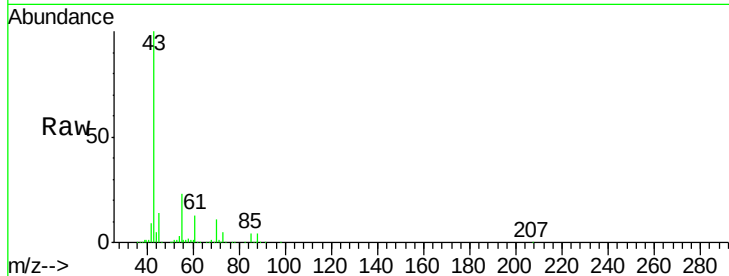
Acq: 27 May 2018 12:53

Tot Ion:	43	Resp:	108079
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 17.69 ug/l

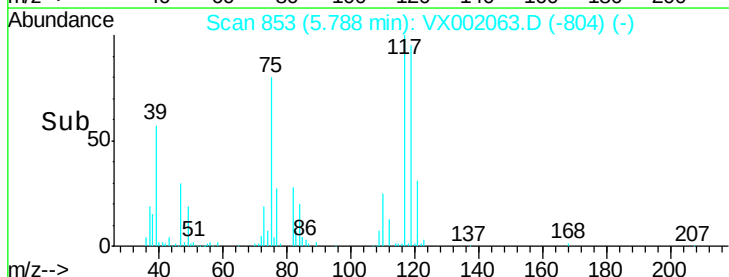
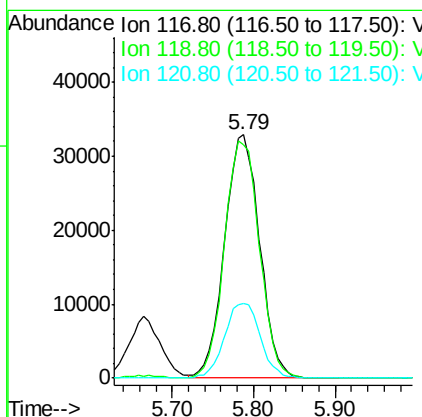
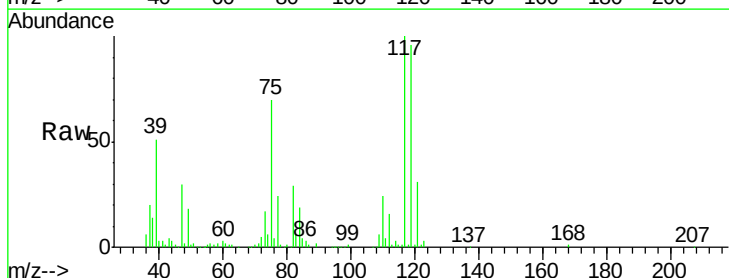
RT: 5.79 min Scan# 853

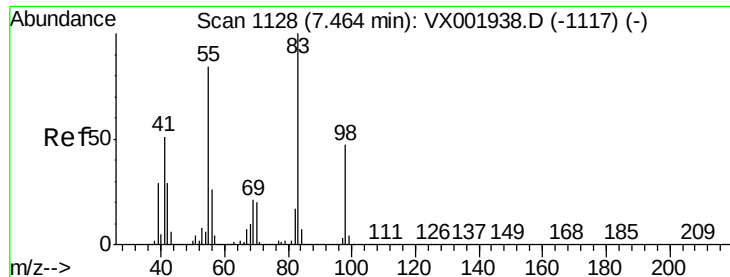
Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	117	Resp:	97879
Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.5	117.7
121	30.8	25.5	38.3





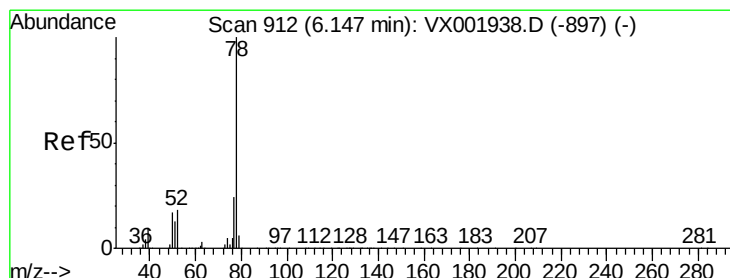
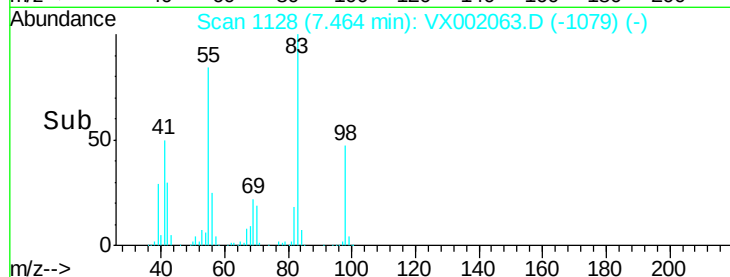
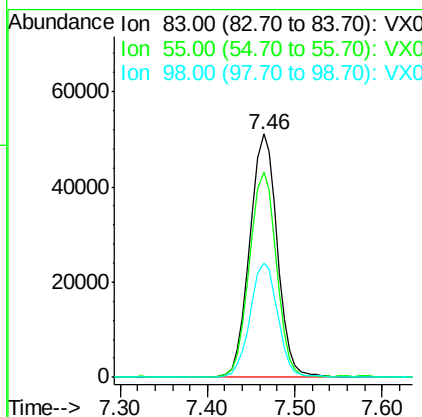
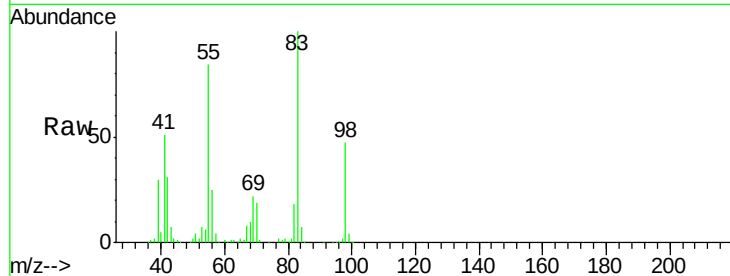
#39
Methylvlcyclohexane
Concen: 19.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.2	67.3	100.9	
98	46.9	37.5	56.3	

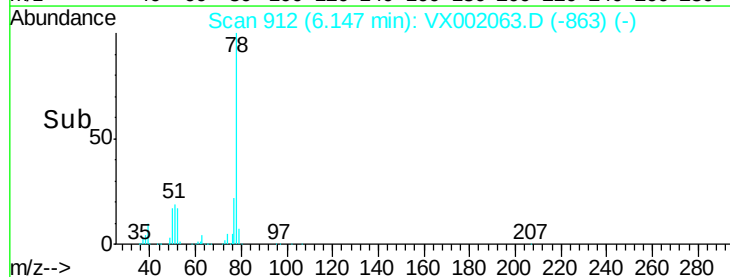
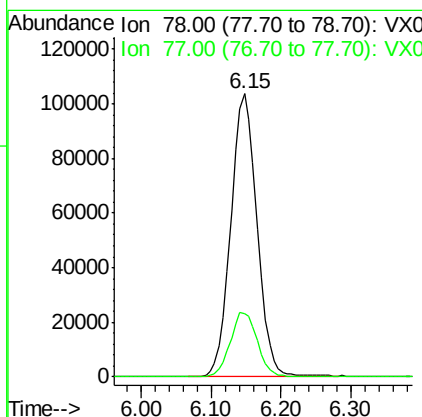
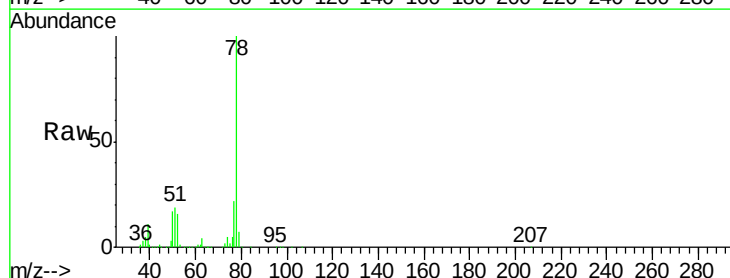
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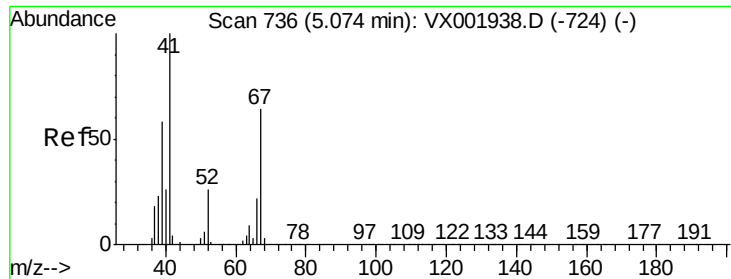
MMDadoda
5/30/2018 1:50:34 PM



#40
Benzene
Concen: 19.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.2	19.1	28.7	





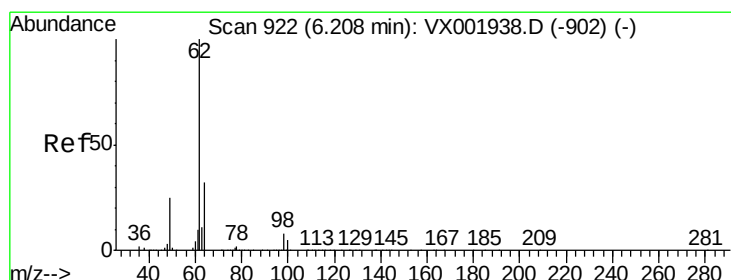
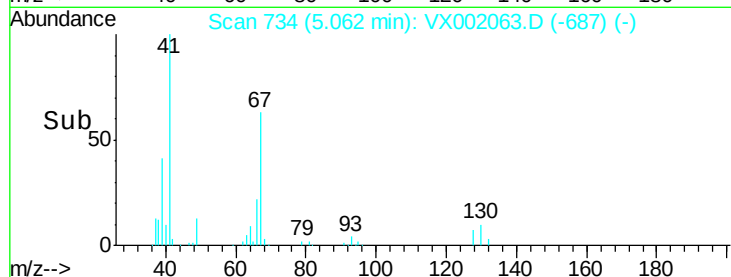
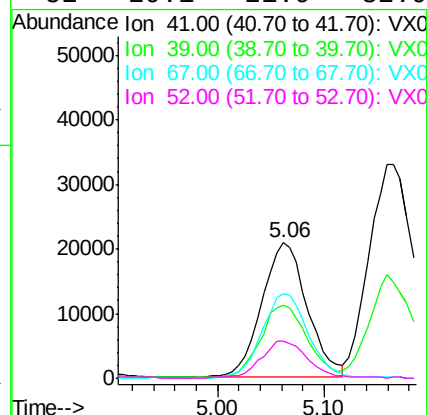
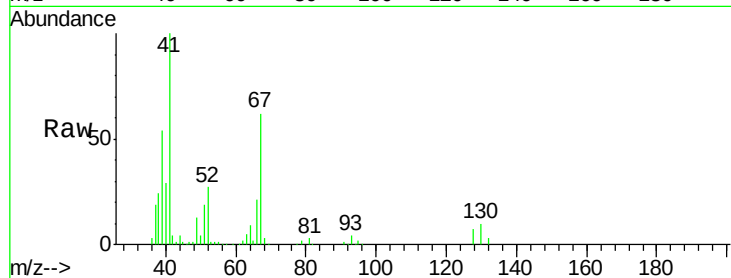
#41
Methacrylonitrile
Concen: 18.12 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	46.0	69.0	
67	64.6	50.6	75.8	
52	29.1	21.9	32.9	

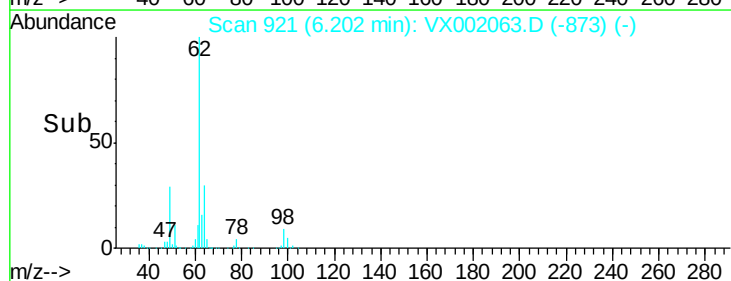
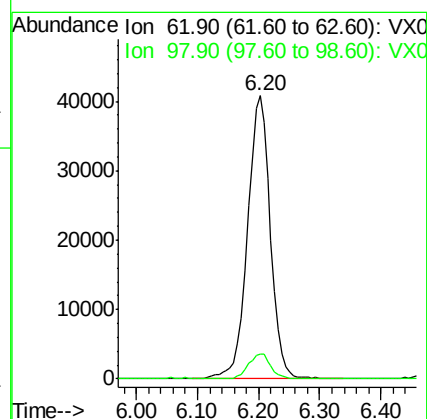
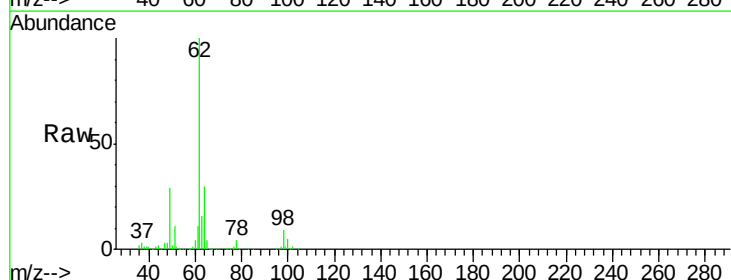
Manual Integrations
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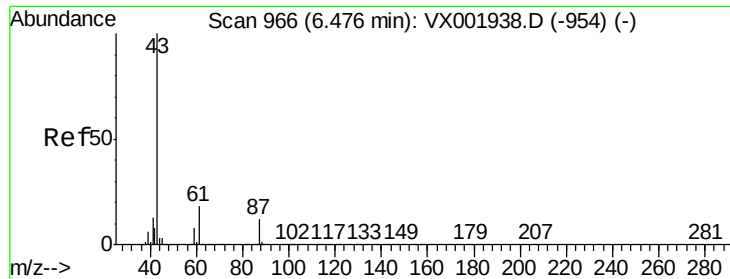
MMDadoda
5/30/2018 1:50:34 PM



#42
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.0	





#43

Isopropyl Acetate

Concen: 18.24 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

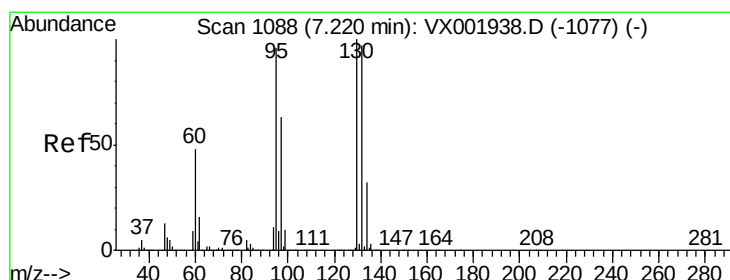
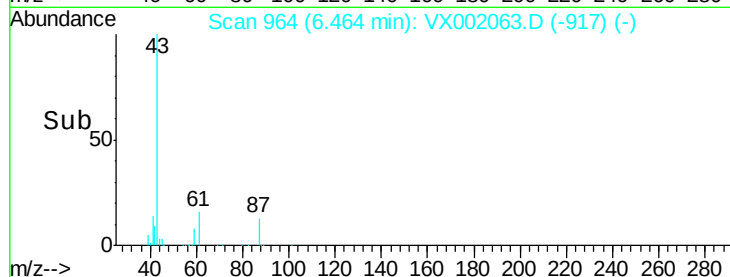
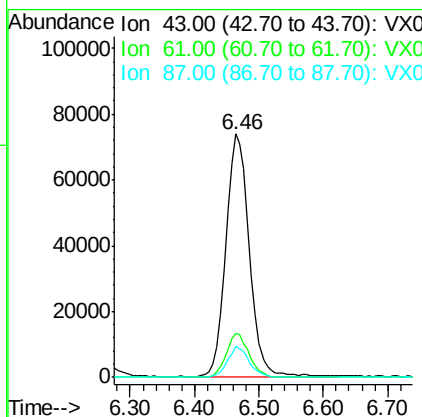
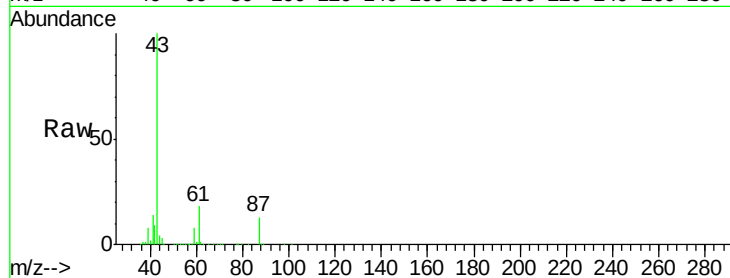
ClientSampleId :

VX0527WBS01

Tot Ion:	43	Resp:	187979
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.1	9.5	14.3

Manual Integrations
APPROVED

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5/30/2018 1:50:34 PM



#44

Trichloroethene

Concen: 19.31 ug/l

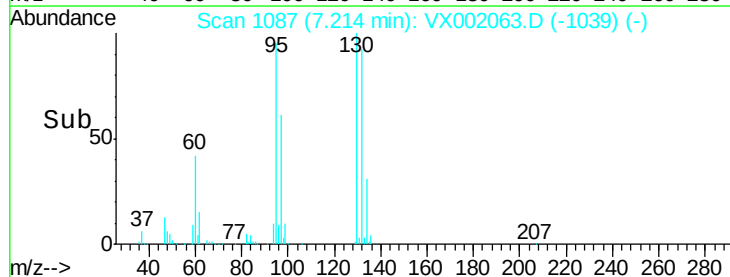
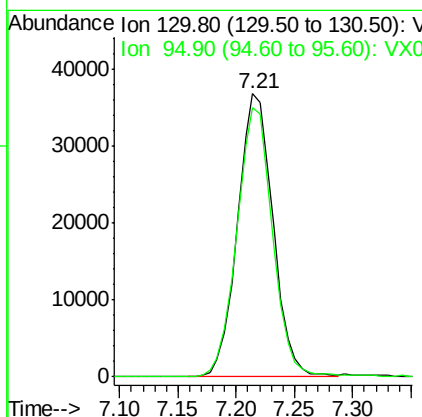
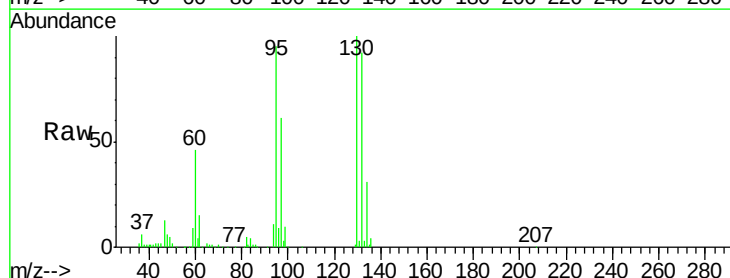
RT: 7.21 min Scan# 1087

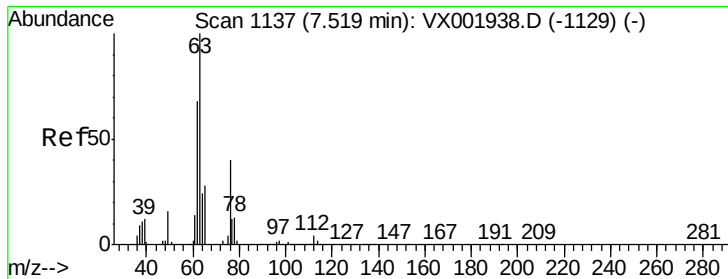
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	130	Resp:	78221
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.73 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 63 Resp: 74486

Ion Ratio Lower Upper

63 100

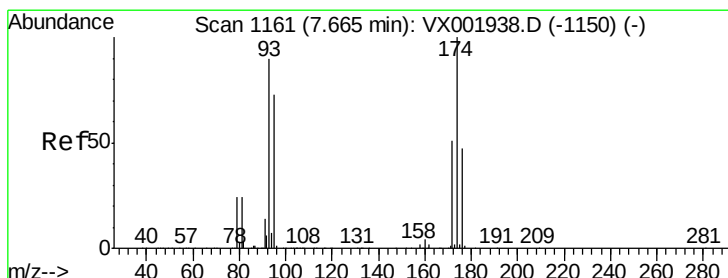
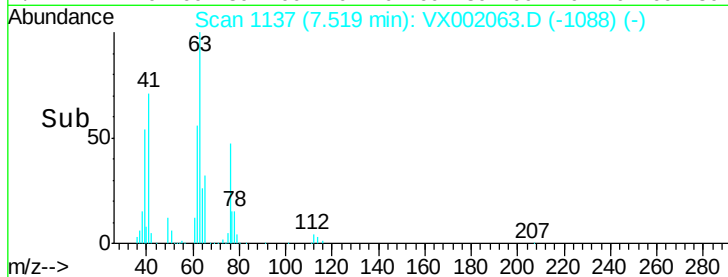
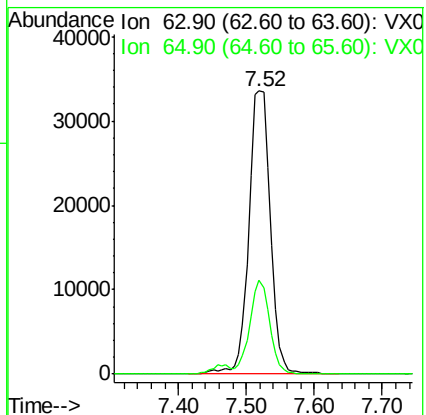
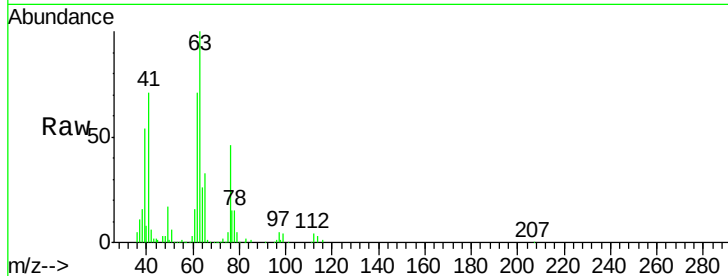
65 33.3 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.34 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

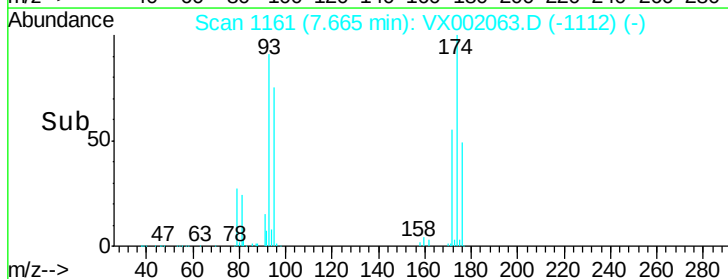
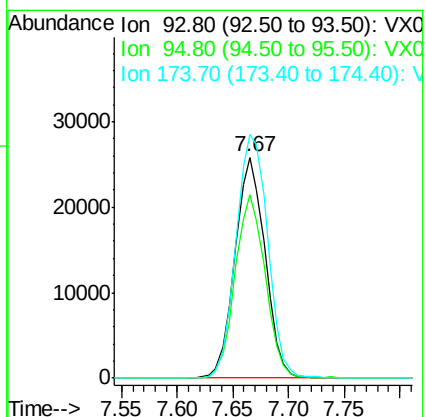
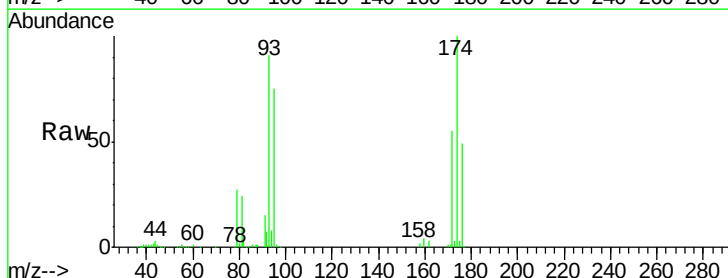
Tgt Ion: 93 Resp: 48351

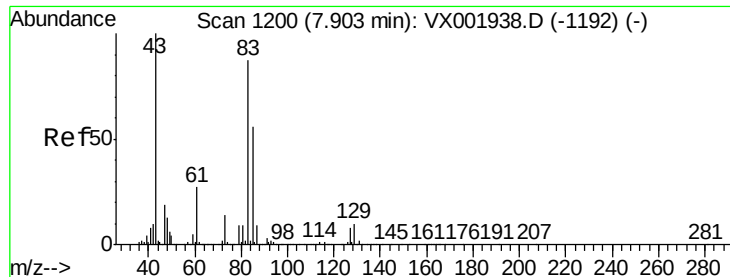
Ion Ratio Lower Upper

93 100

95 83.6 66.1 99.1

174 116.6 92.5 138.7





#47

Bromodichloromethane

Concen: 18.01 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

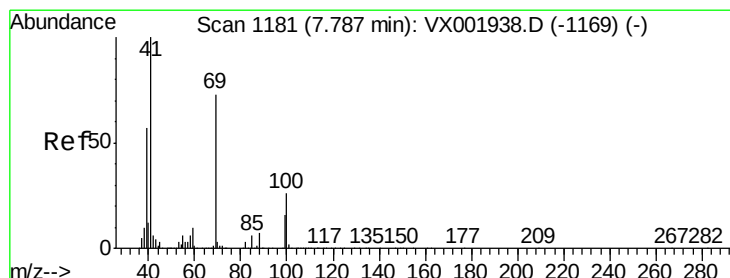
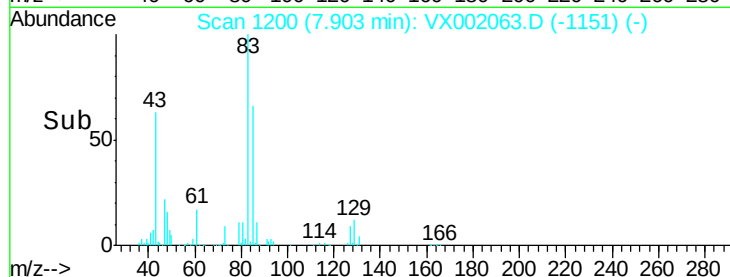
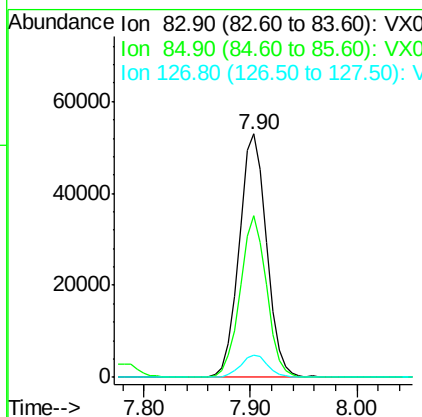
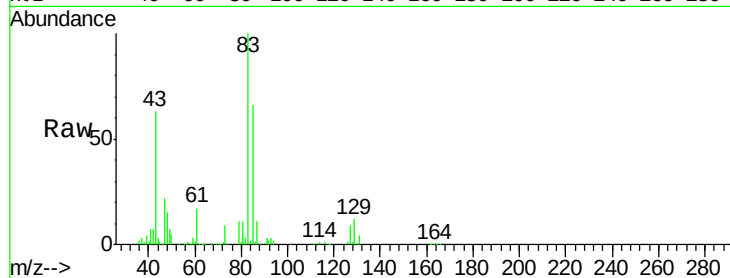
ClientSampleId :

VX0527WBS01

Tot Ion:	83	Resp:	95971
Ion Ratio	Lower	Upper	
83	100		
85	66.3	51.4	77.2
127	9.3	7.1	10.7

Manual Integrations
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5/30/2018 1:50:34 PM



#48

Methyl methacrylate

Concen: 18.30 ug/l

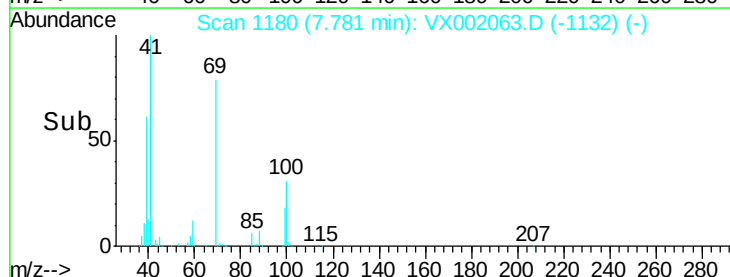
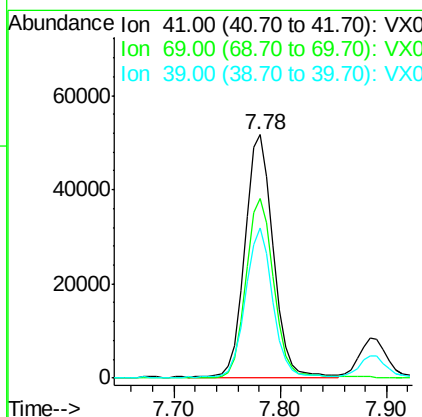
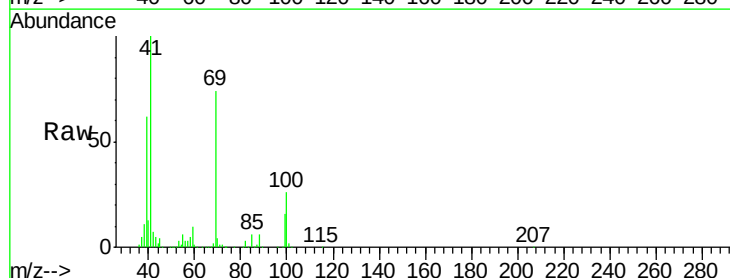
RT: 7.78 min Scan# 1180

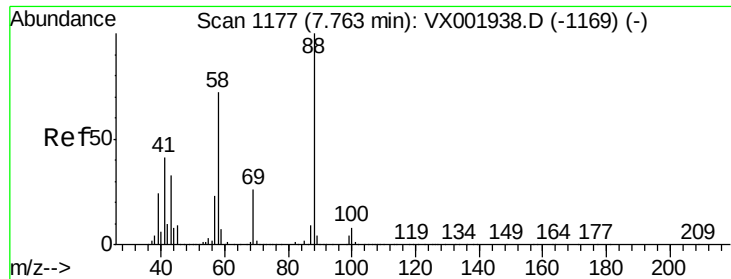
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	41	Resp:	95996
Ion Ratio	Lower	Upper	
41	100		
69	73.6	58.6	87.8
39	59.8	46.3	69.5





#49

1,4-Dioxane

Concen: 368.76 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

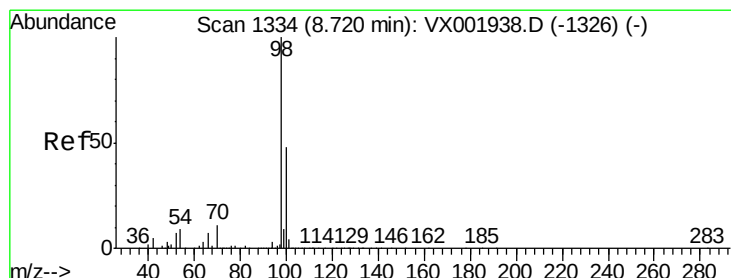
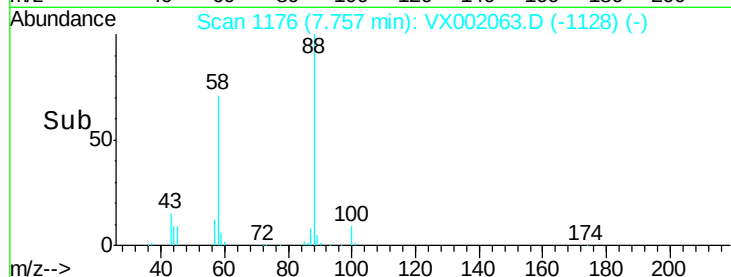
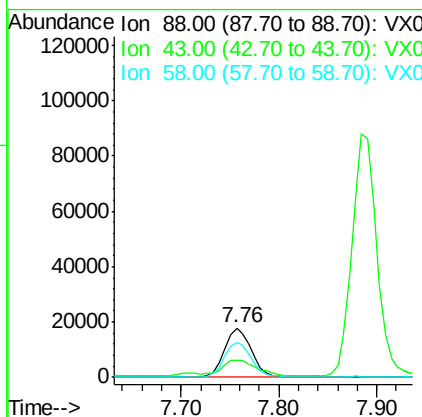
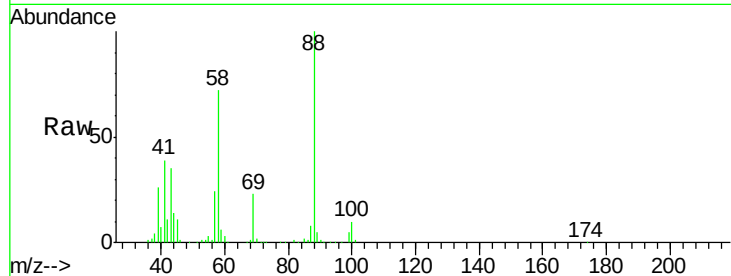
ClientSampleId :

VX0527WBS01

Tot Ion:	88	Resp:	34093
Ion	Ratio	Lower	Upper
88	100		
43	41.5	29.8	44.8
58	73.1	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.99 ug/l

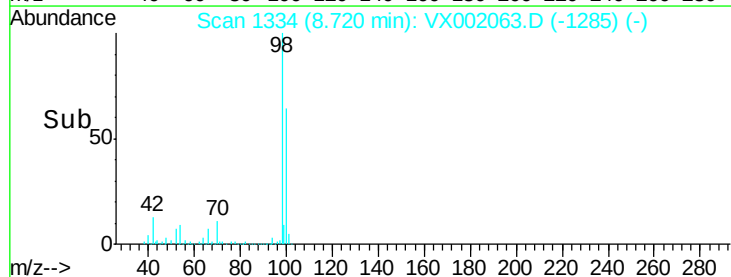
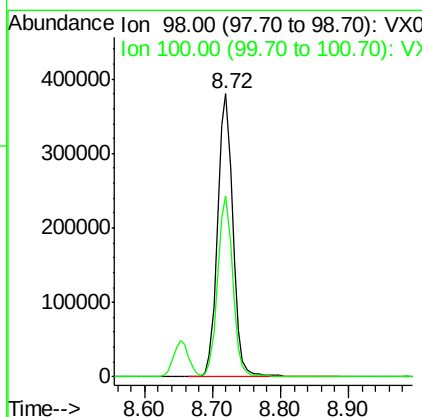
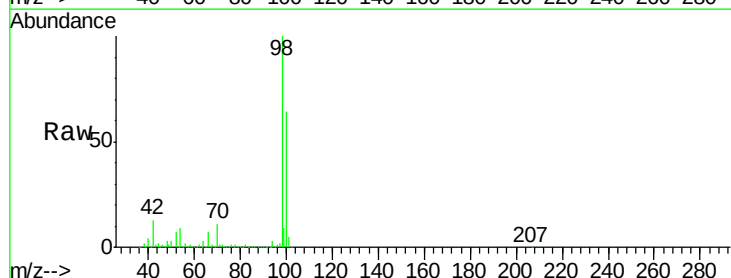
RT: 8.72 min Scan# 1334

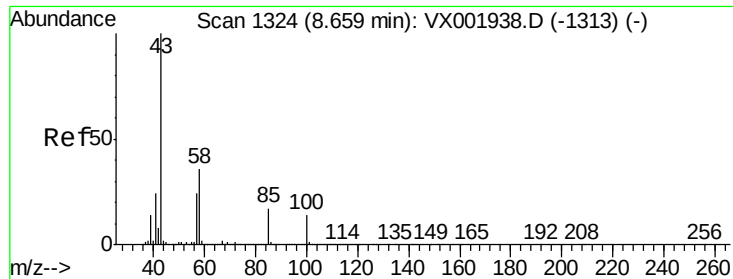
Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	98	Resp:	592745
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





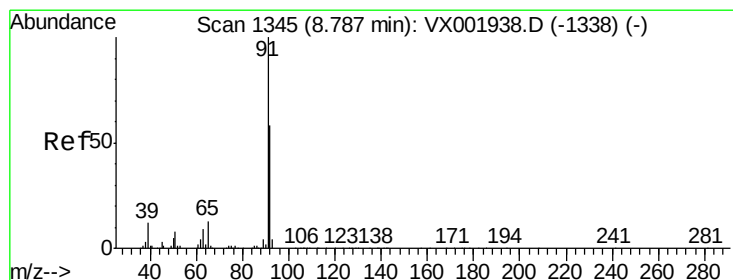
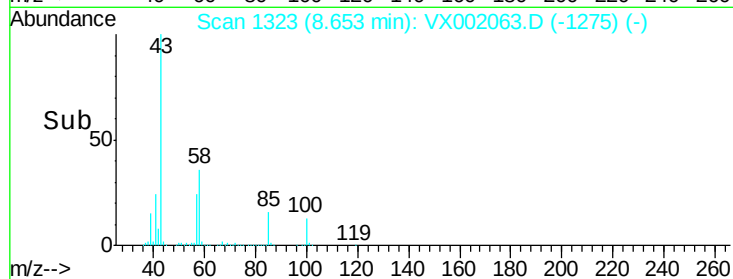
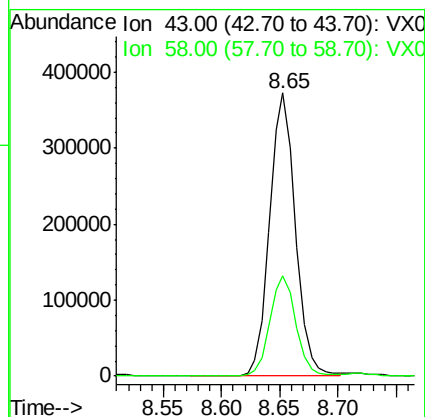
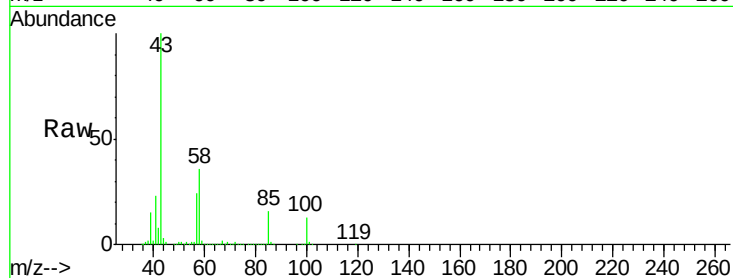
#51
4-Methyl-2-Pentanone
Concen: 92.22 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	43	58	Ratio	Lower	Upper	Resp
43	100					573076
58	35.7		28.5	42.7		

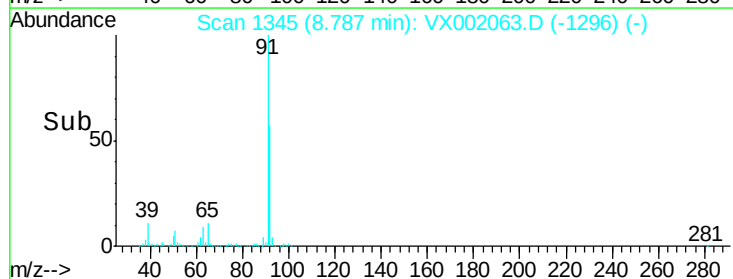
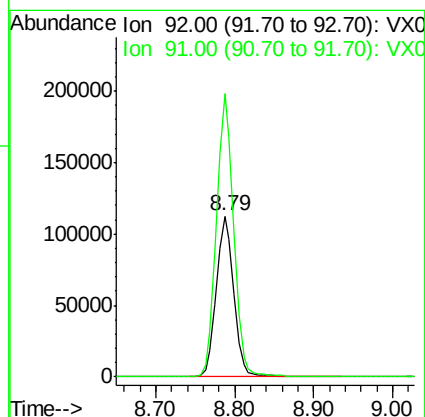
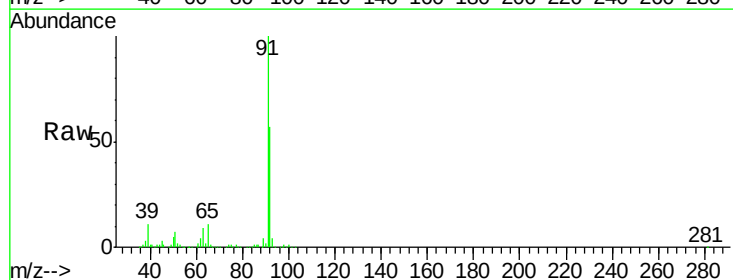
Manual Integrations
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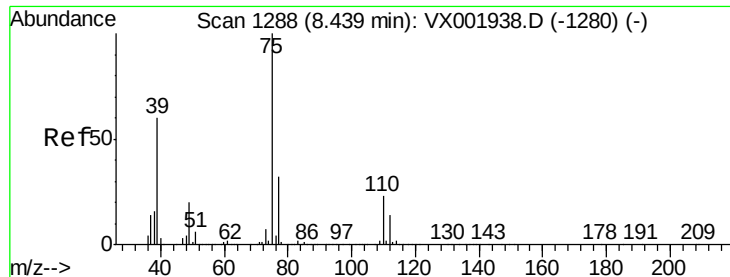
MMDadoda
5/30/2018 1:50:34 PM



#52
Toluene
Concen: 19.70 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
92	100					174264
91	174.4		139.4	209.2		





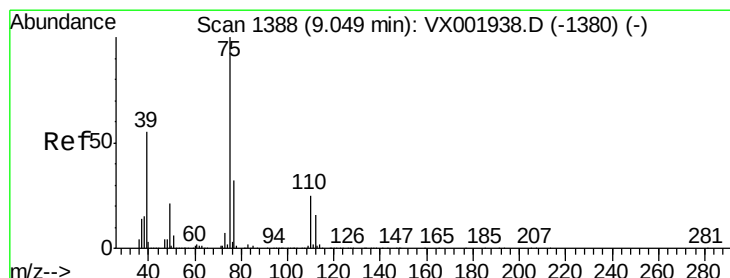
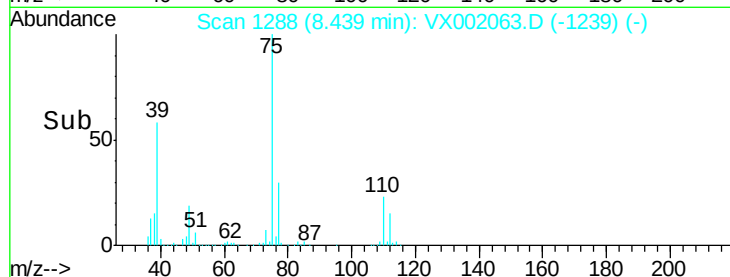
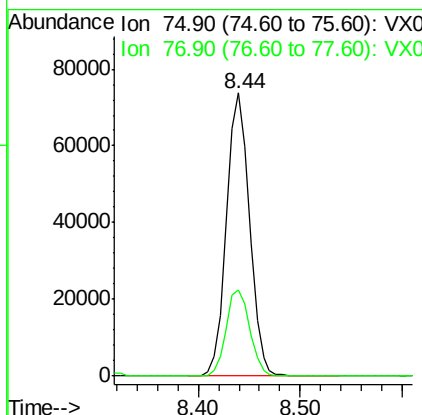
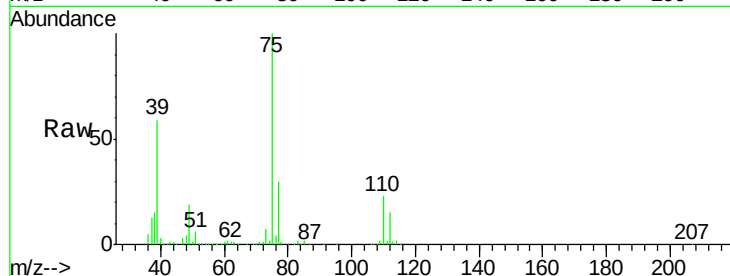
#53
t-1,3-Dichloropropene
Concen: 18.79 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.5	38.3

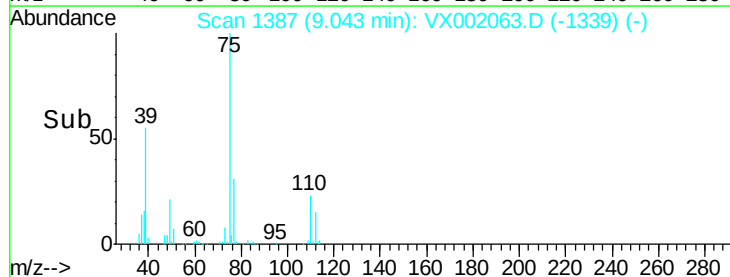
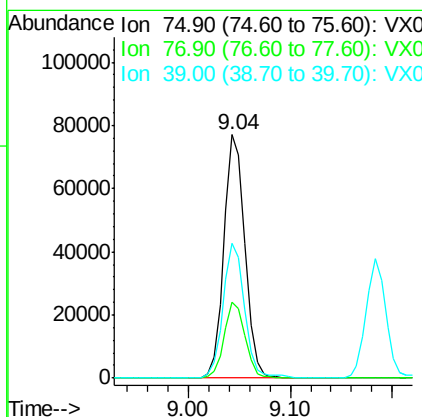
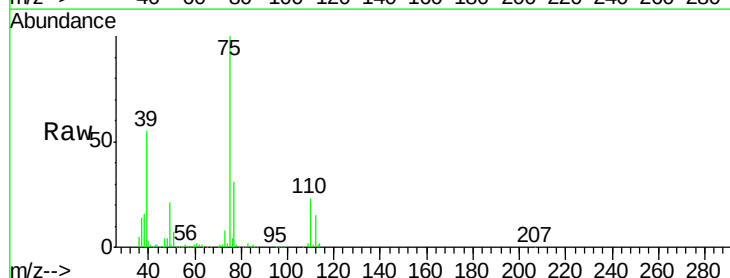
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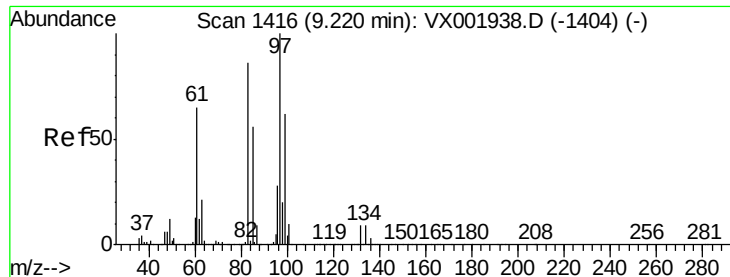
MMDadoda
5/30/2018 1:50:34 PM



#54
cis-1,3-Dichloropropene
Concen: 18.35 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	54.9	44.1	66.1





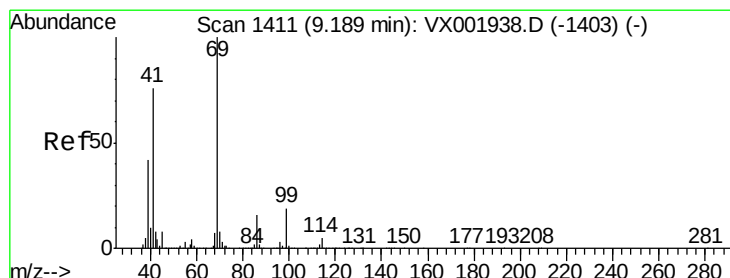
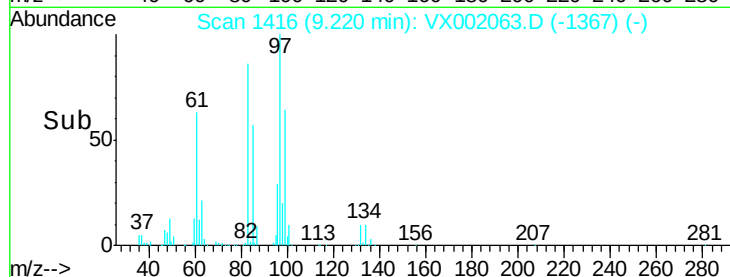
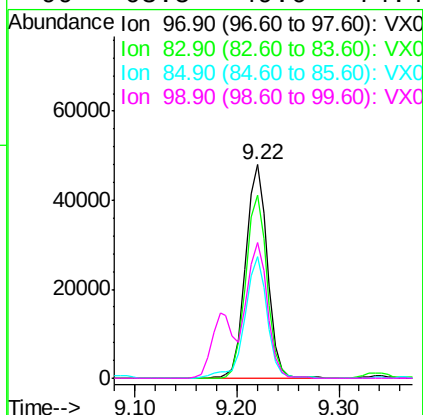
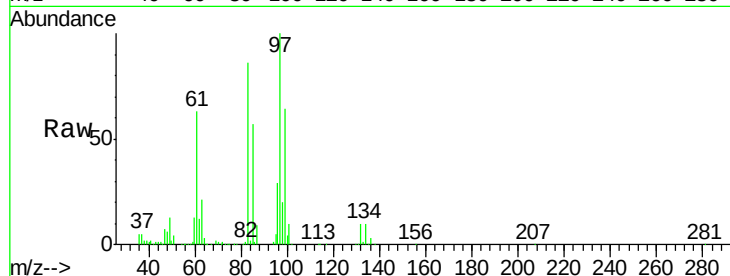
#55
 1,1,2-Trichloroethane
 Concen: 19.37 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion:	97	Resp:	71605
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.1	103.7
85	56.6	45.2	67.8
99	63.5	49.6	74.4

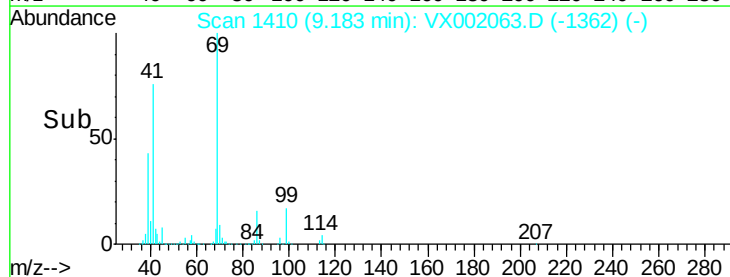
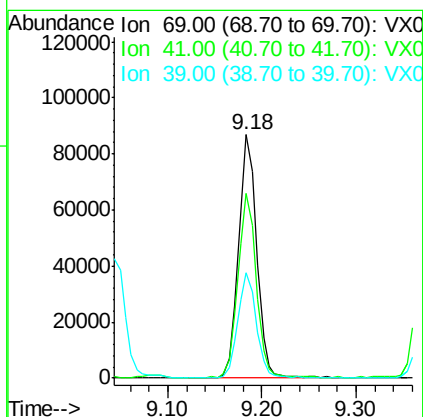
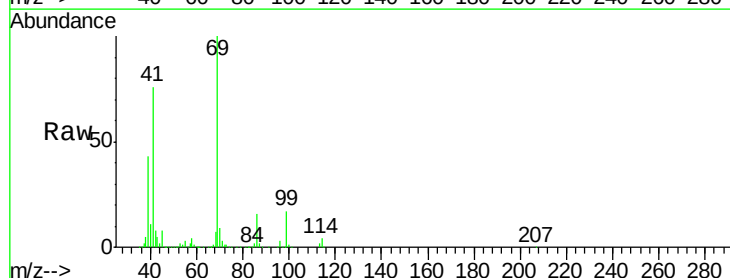
Manual Integrations
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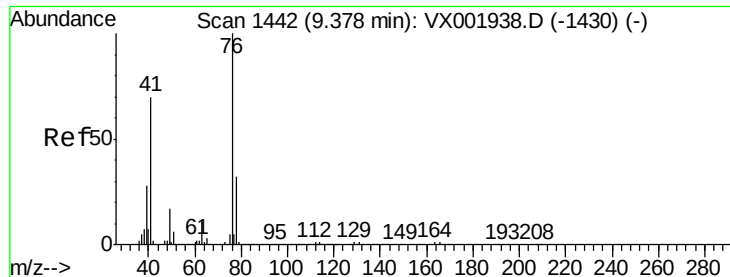
MMDadoda
 5/30/2018 1:50:34 PM



#56
 Ethyl methacrylate
 Concen: 18.42 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion:	69	Resp:	117119
Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.0	91.6
39	43.6	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.79 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 76 Resp: 120480

Ion Ratio Lower Upper

76 100

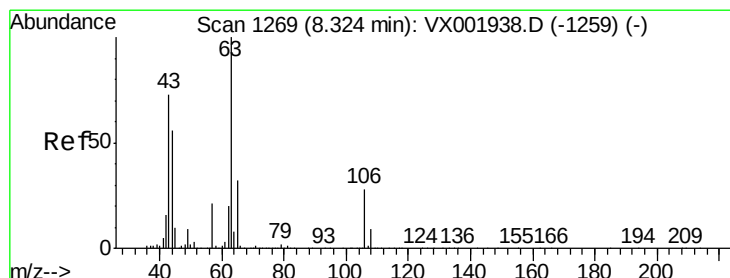
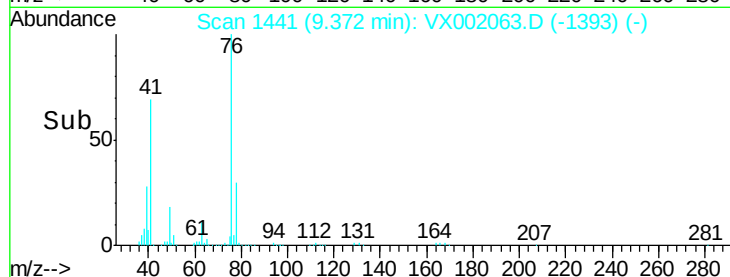
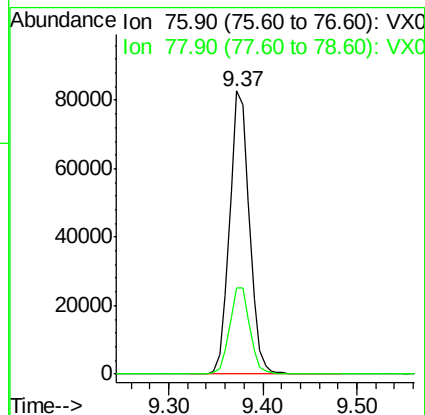
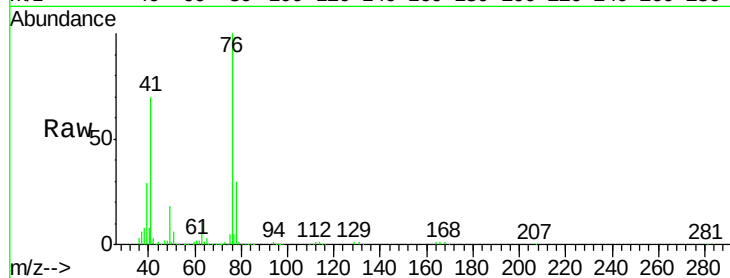
78 31.2 25.6 38.4

Manual Integrations

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5/30/2018 1:50:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 102.16 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002063.D

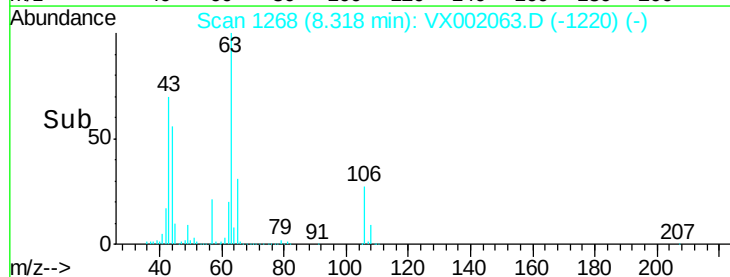
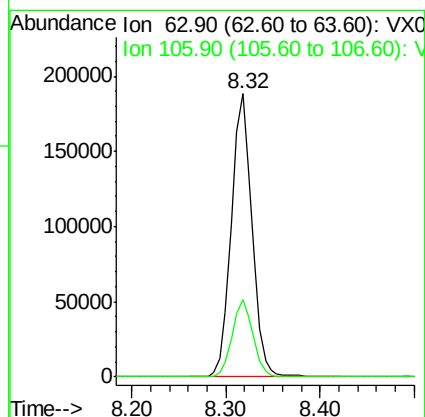
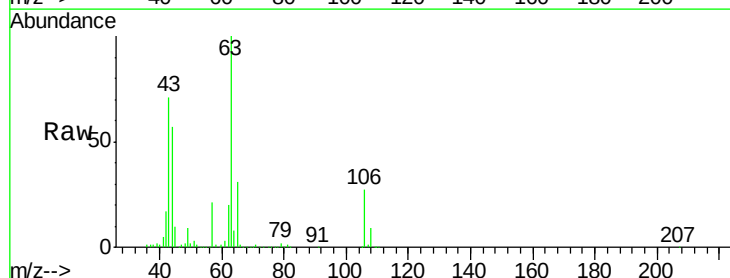
Acq: 27 May 2018 12:53

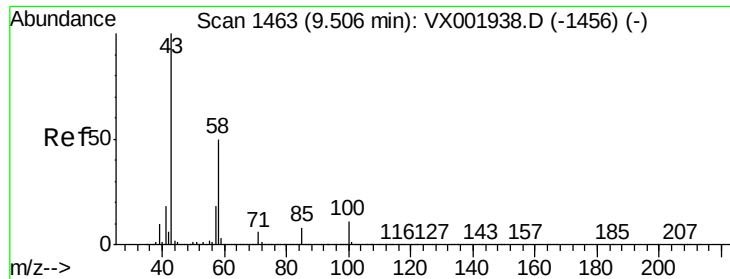
Tgt Ion: 63 Resp: 287869

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5





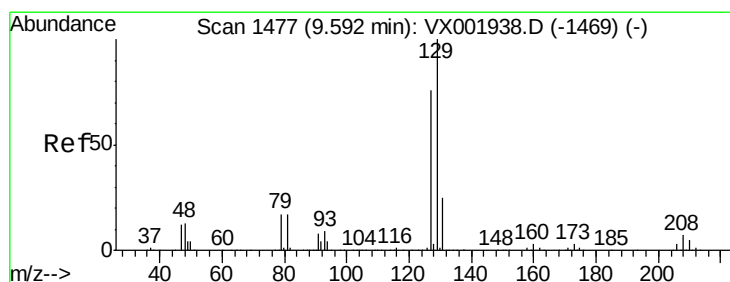
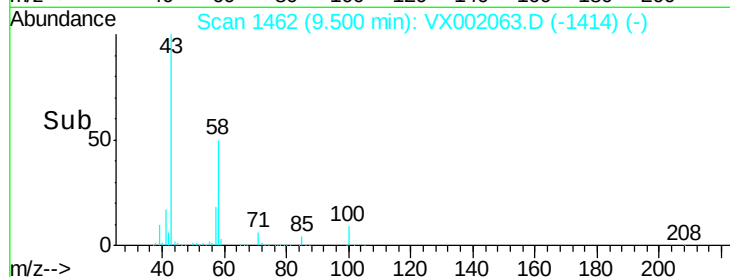
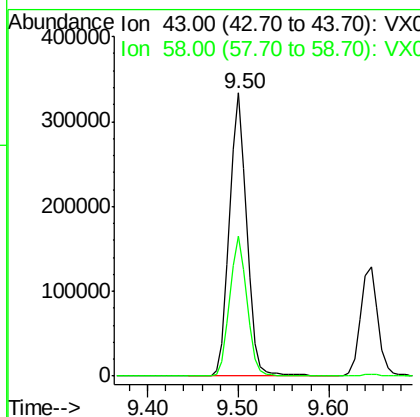
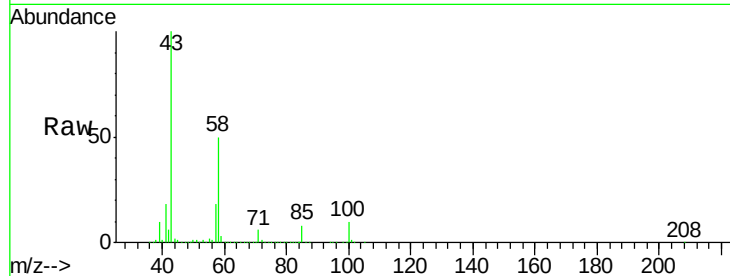
#59
2-Hexanone
Concen: 92.48 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion: 43 Resp: 443098
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

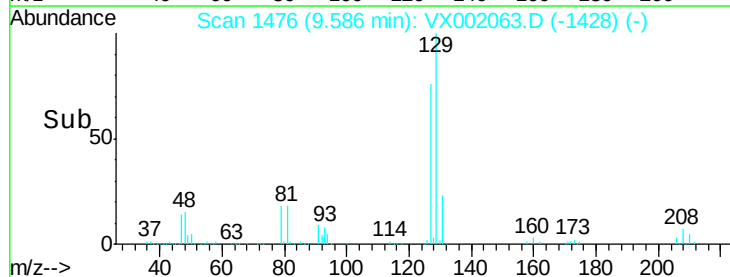
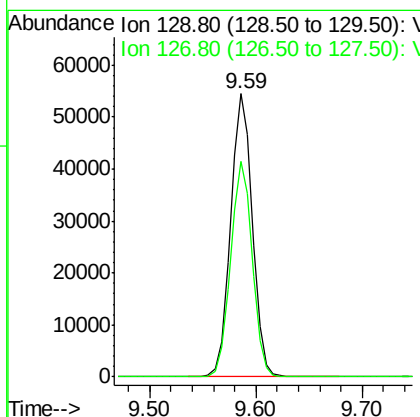
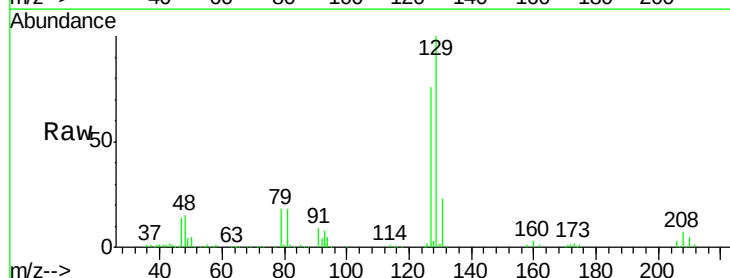
Manual Integrations
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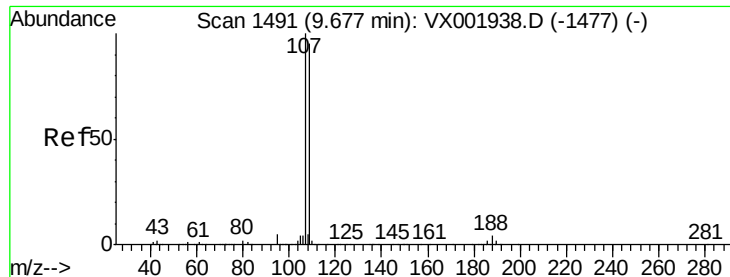
MMDadoda
5/30/2018 1:50:34 PM



#60
Dibromochloromethane
Concen: 17.81 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion: 129 Resp: 77949
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.29 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion:107 Resp: 74807

Ion Ratio Lower Upper

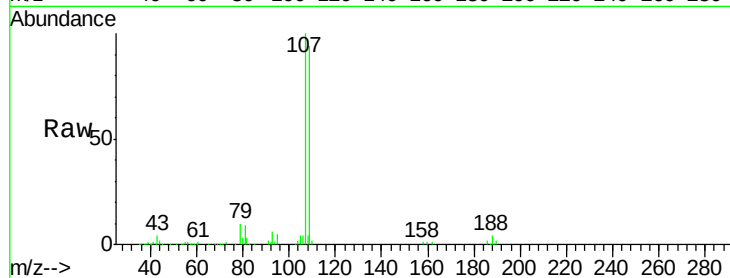
107 100

109 93.7 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

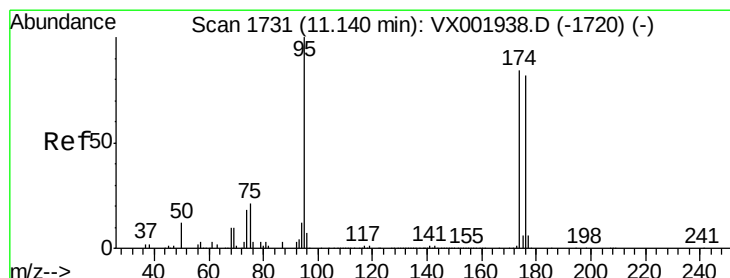
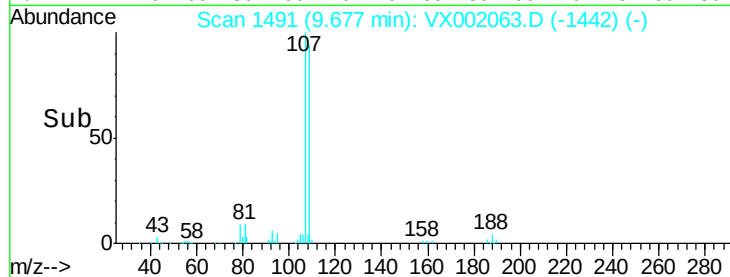
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

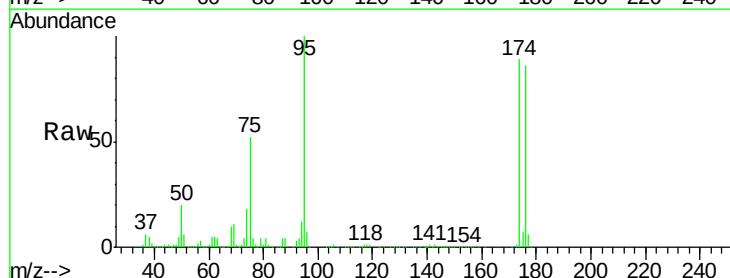
Tgt Ion: 95 Resp: 226247

Ion Ratio Lower Upper

95 100

174 93.4 0.0 178.8

176 90.4 0.0 175.6



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

250000

200000

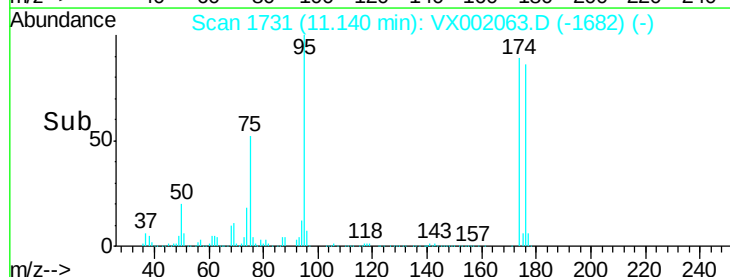
150000

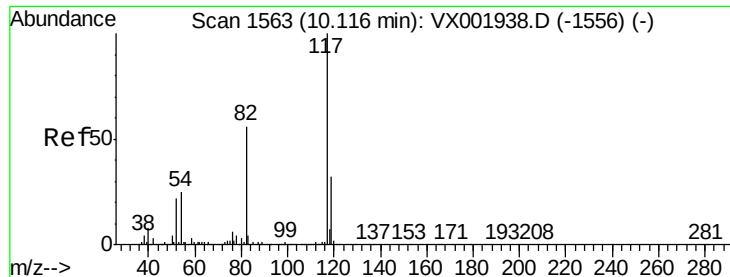
100000

50000

0

Time-->





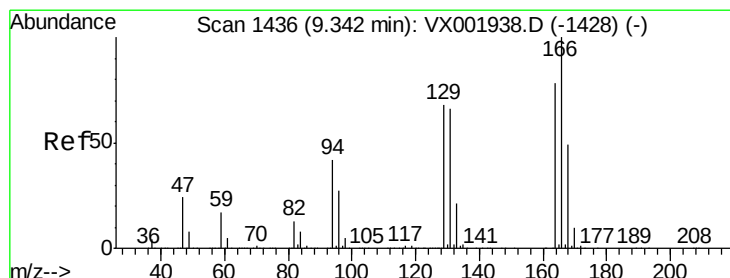
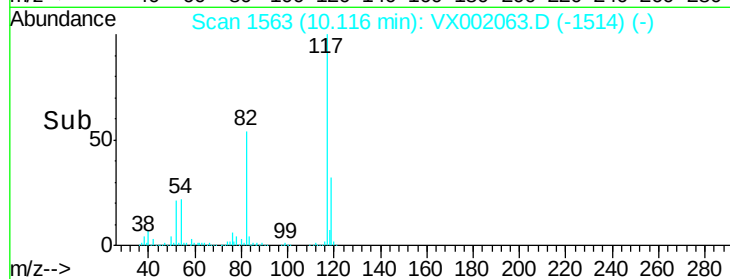
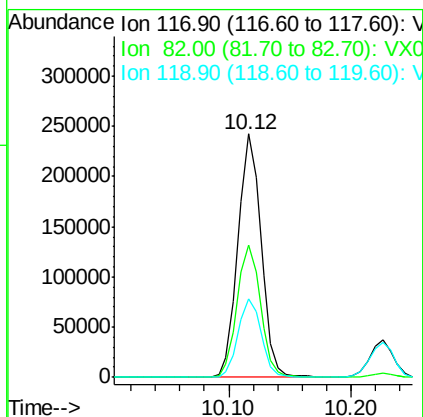
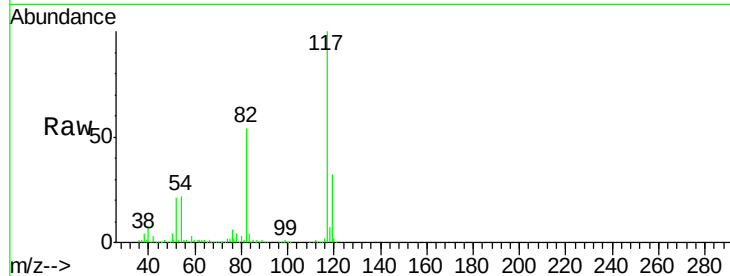
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.8	67.2
119	32.0	25.5	38.3

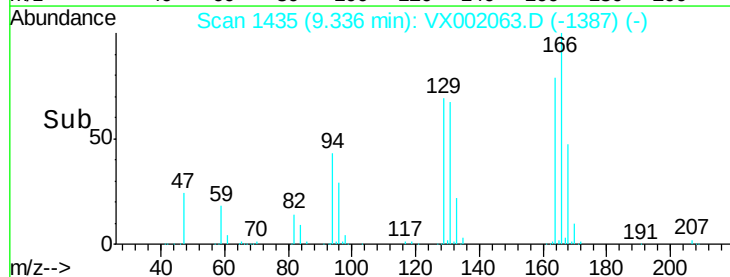
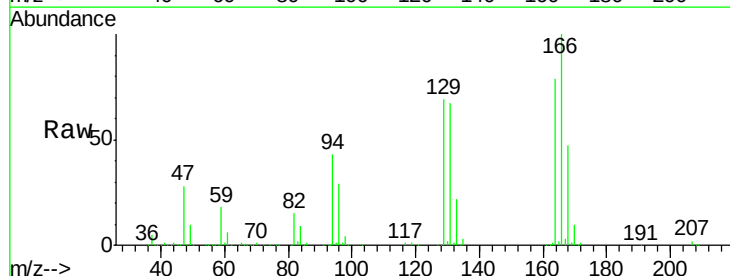
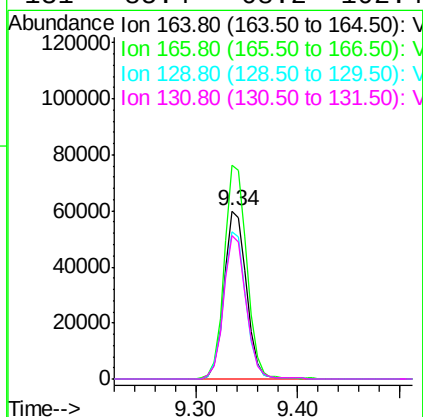
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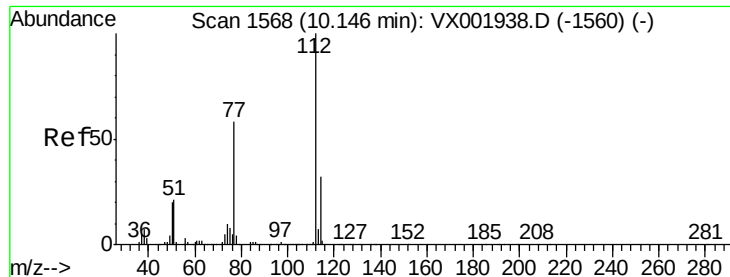
MMDadoda
5/30/2018 1:50:34 PM



#64
Tetrachloroethene
Concen: 19.81 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.7	154.1
129	87.9	70.3	105.5
131	85.4	68.2	102.4





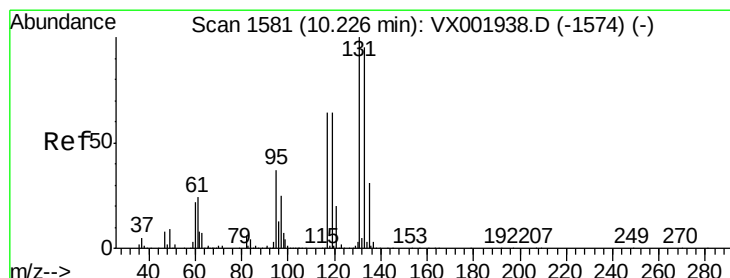
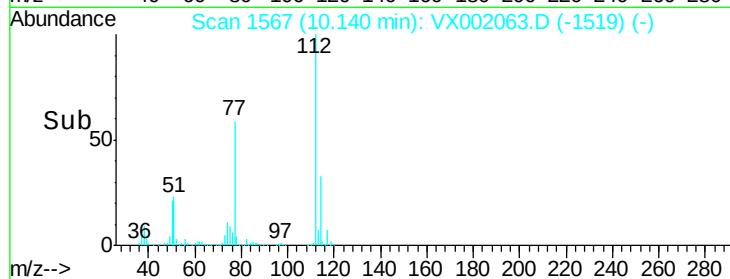
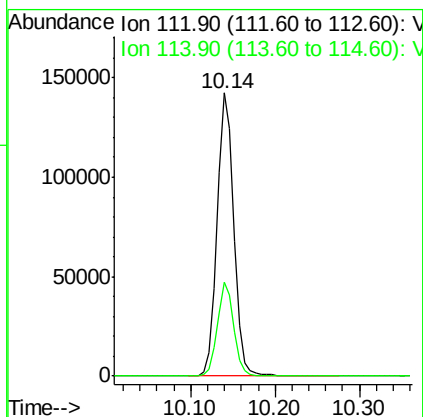
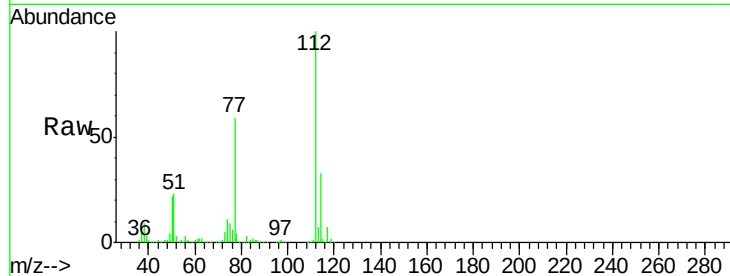
#65
Chlorobenzene
Concen: 19.44 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.9	38.9

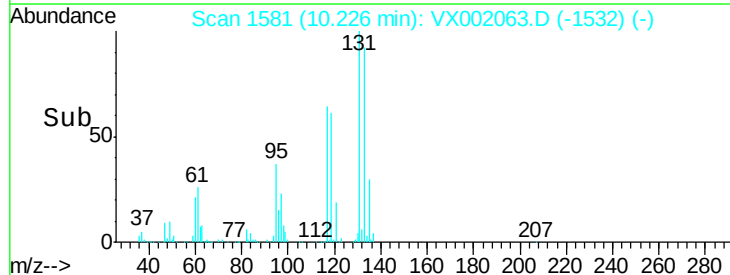
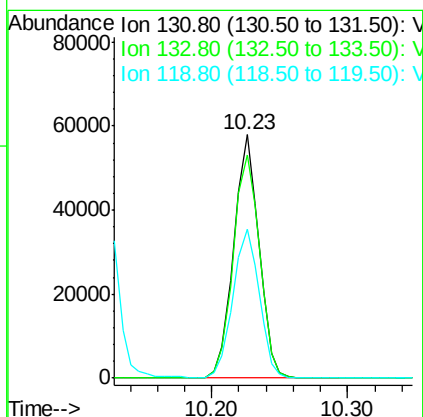
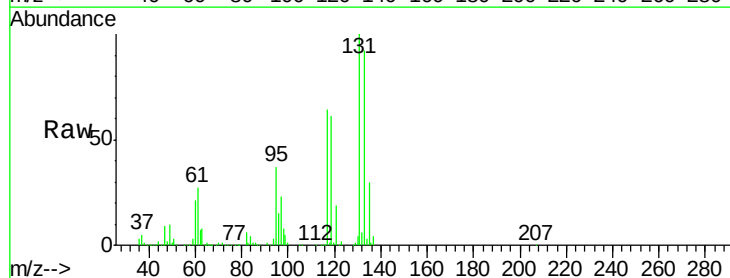
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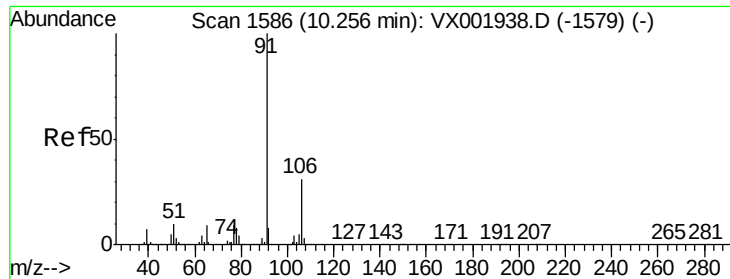
MMDadoda
5/30/2018 1:50:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.44 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.0	144.0
119	64.0	31.9	95.5





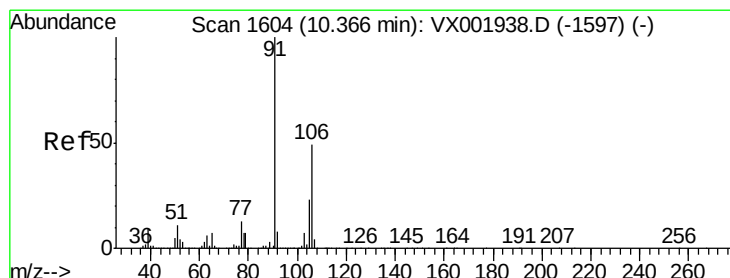
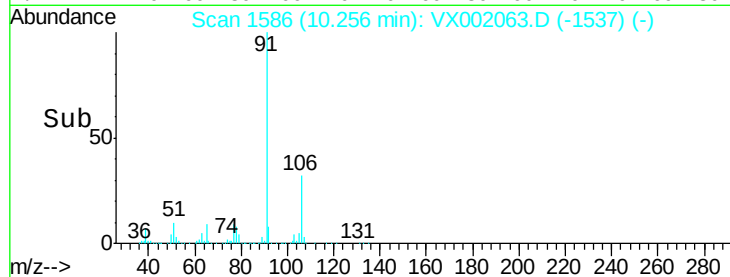
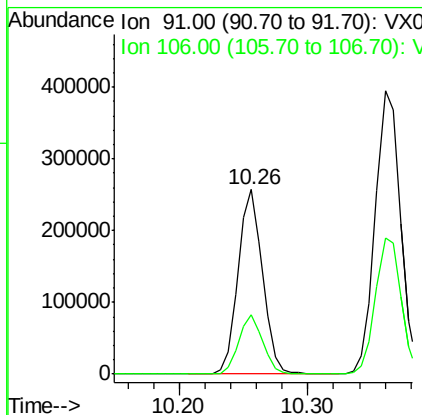
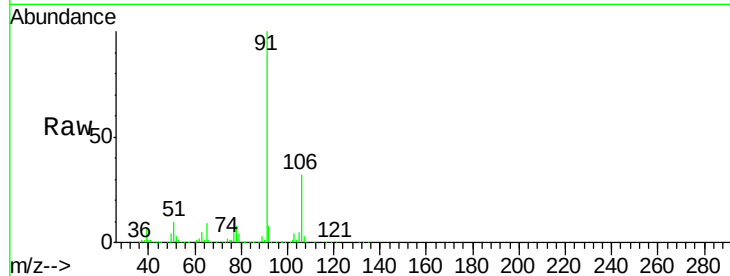
#67
Ethyl Benzene
Concen: 19.42 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion: 91 Resp: 340047
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

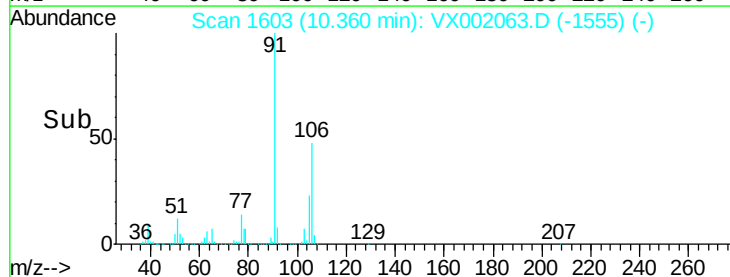
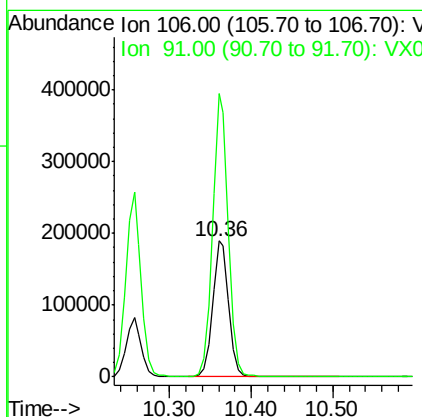
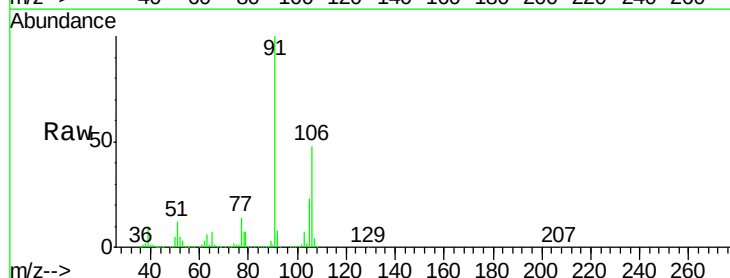
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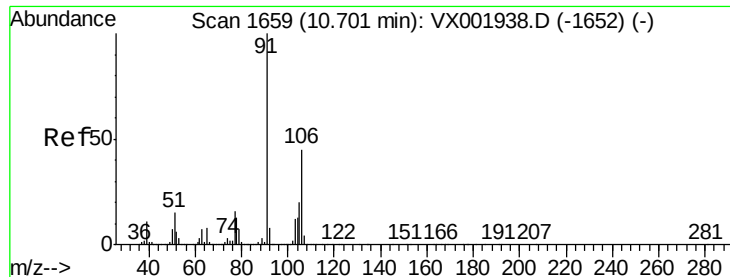
MMDadoda
5/30/2018 1:50:34 PM



#68
m/p-Xylenes
Concen: 39.08 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion: 106 Resp: 261585
Ion Ratio Lower Upper
106 100
91 204.3 165.0 247.6





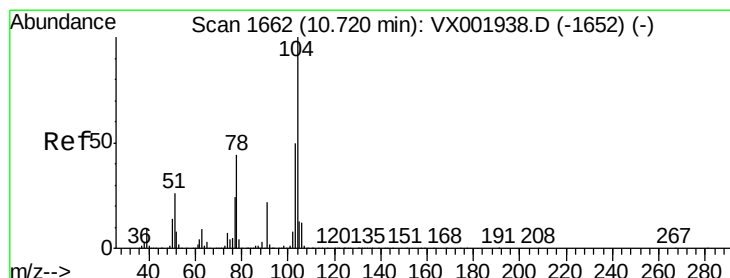
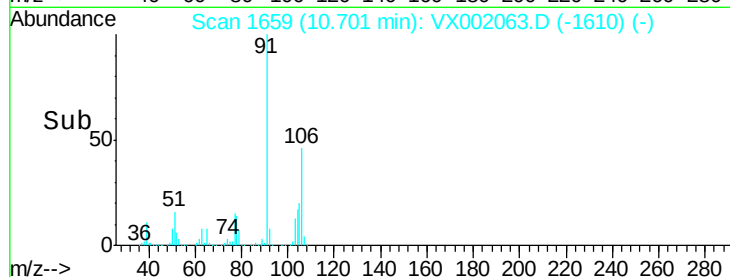
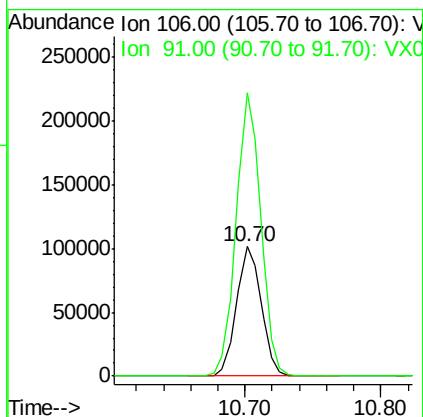
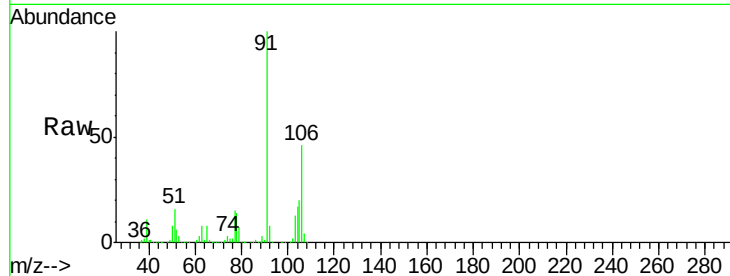
#69
o-Xylene
Concen: 19.34 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	108.7	325.9

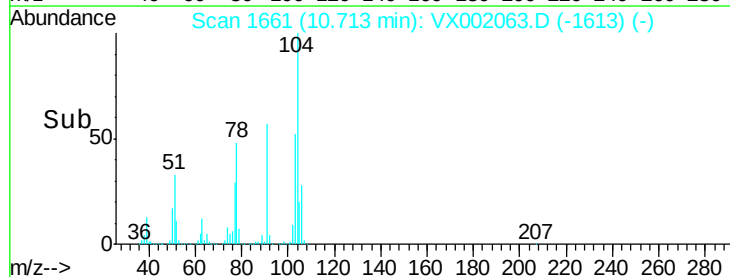
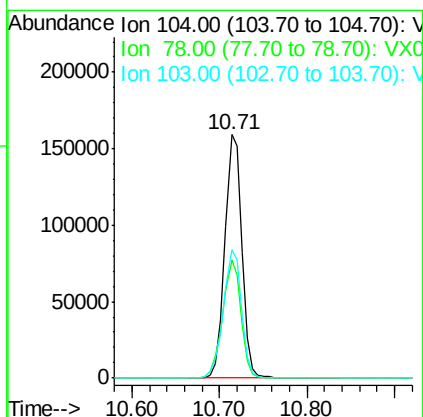
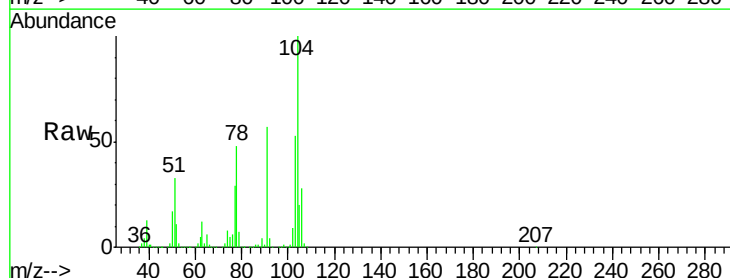
Manual Integrations
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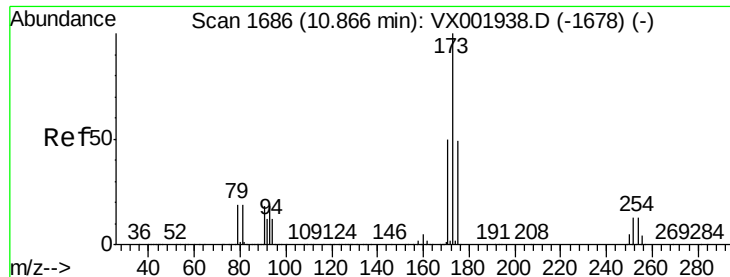
MMDadoda
5/30/2018 1:50:34 PM



#70
Styrene
Concen: 19.16 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.8	62.6
103	56.4	44.6	67.0





#71

Bromoform

Concen: 16.13 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

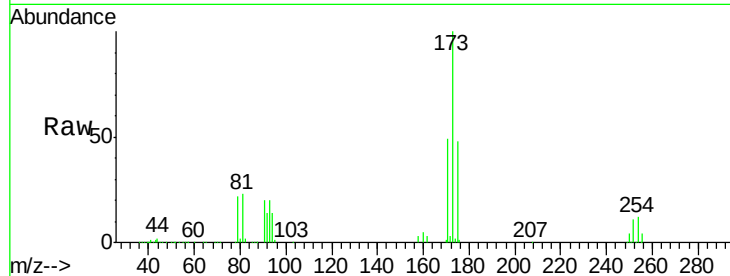
ClientSampleId :

VX0527WBS01

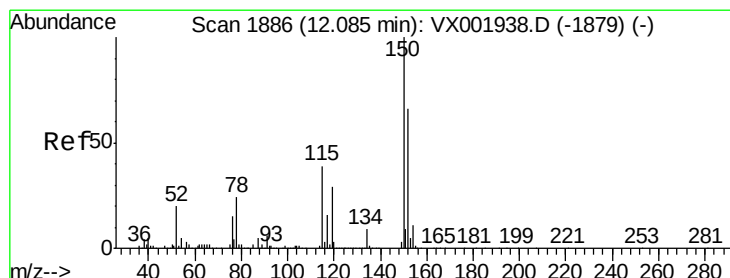
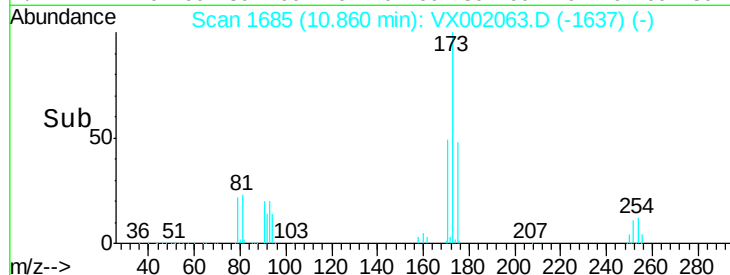
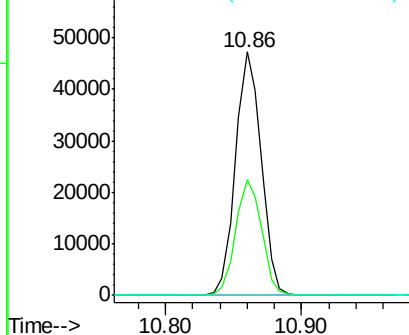
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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5/30/2018 1:50:34 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

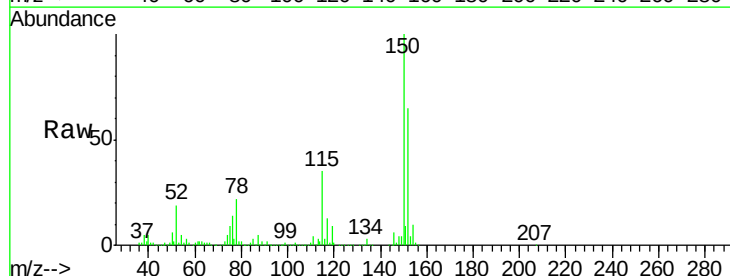
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

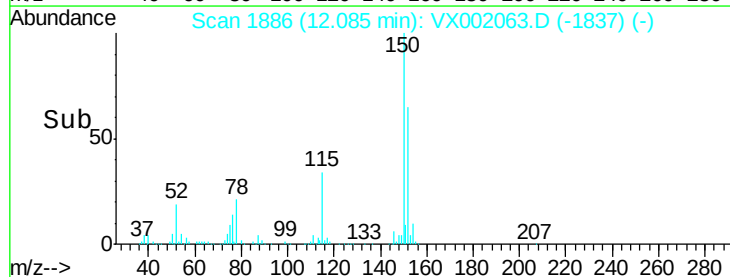
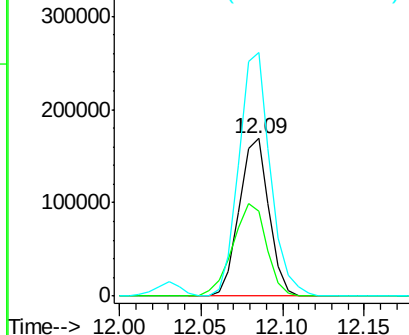
Lab File: VX002063.D

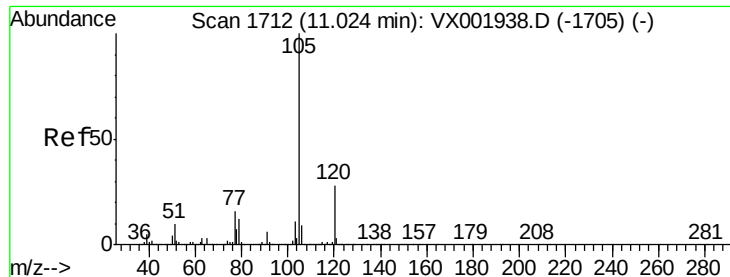
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	42.3	126.8
150	163.8	0.0	351.0



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: 19.25 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion:105 Resp: 350046

Ion Ratio Lower Upper

105 100

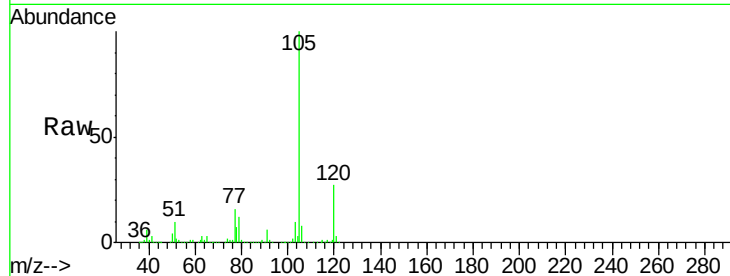
120 26.5 13.6 40.7

Manual Integrations

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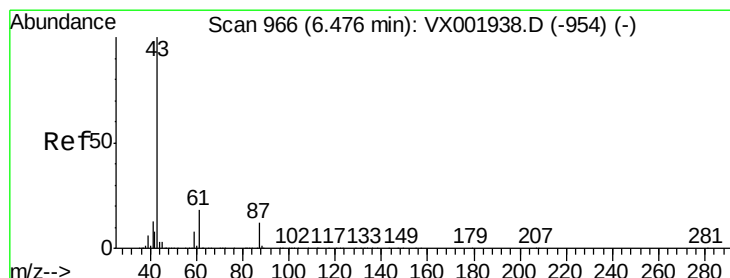
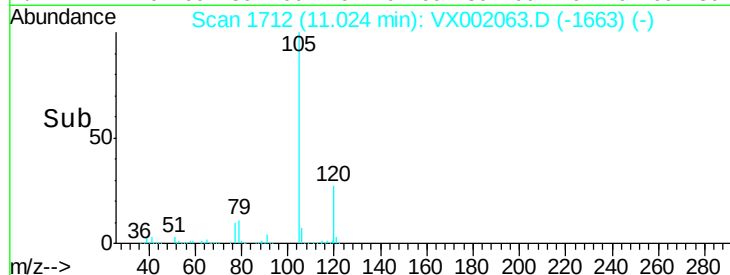
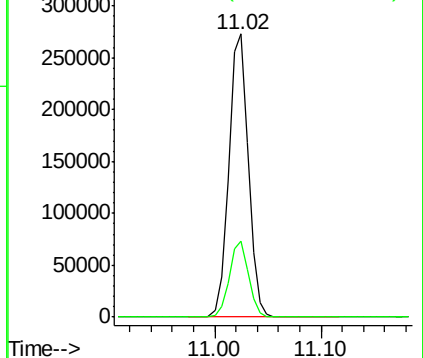
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.91 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion: 43 Resp: 187979

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

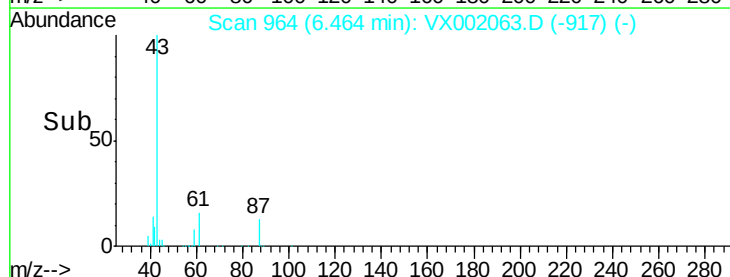
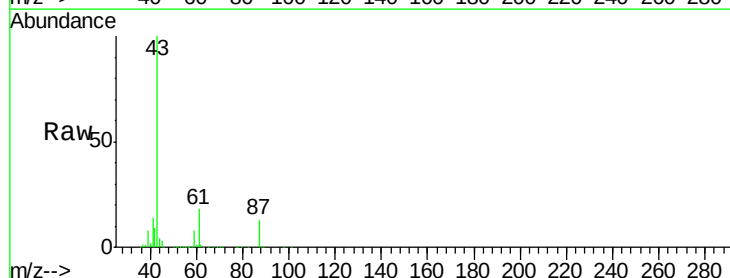
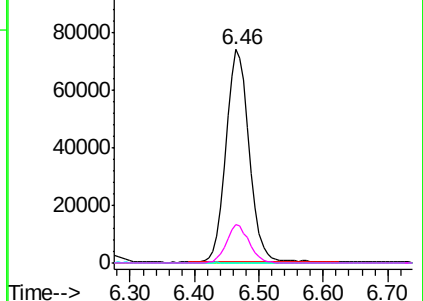
61 17.6 14.5 21.7

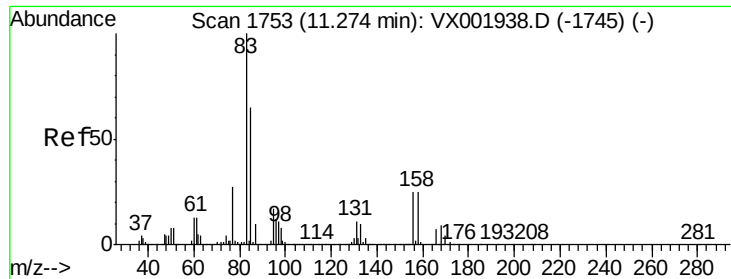
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.64 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

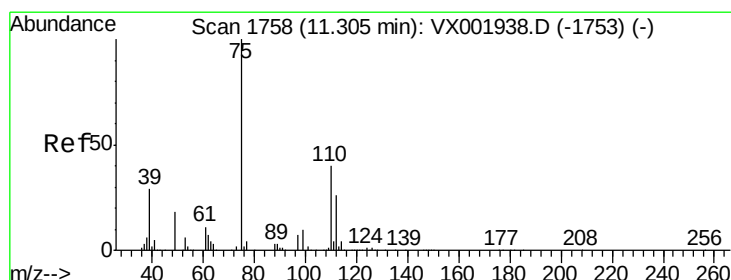
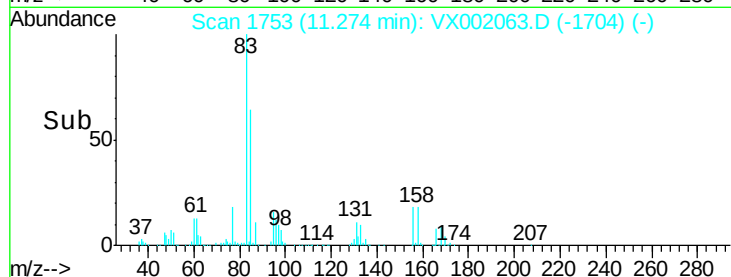
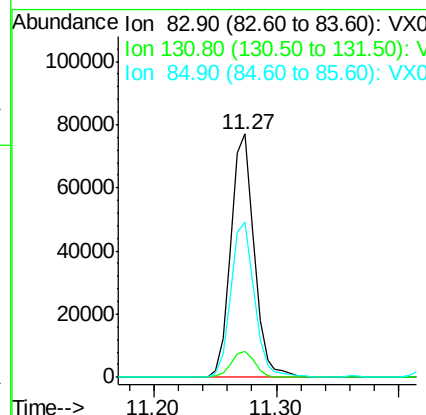
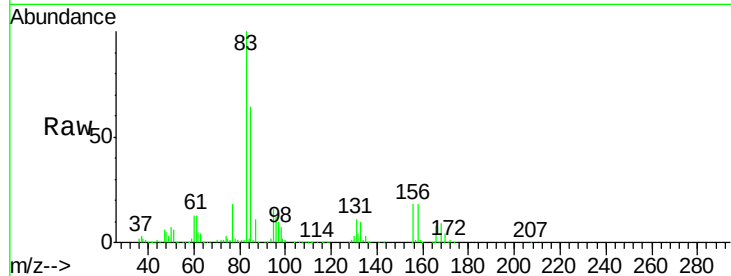
ClientSampleId :

VX0527WBS01

Tot Ion:	83	Resp:	101455
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.0
85	64.1	32.6	97.7

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5/30/2018 1:50:34 PM



#76

1,2,3-Trichloropropane

Concen: 21.26 ug/l m

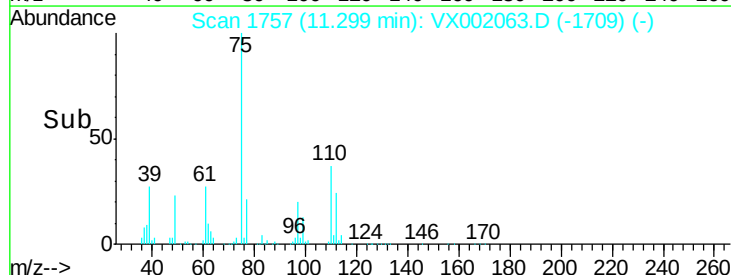
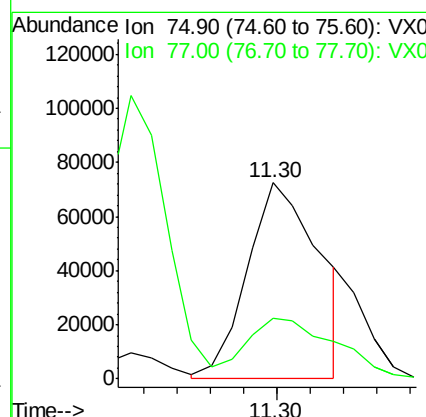
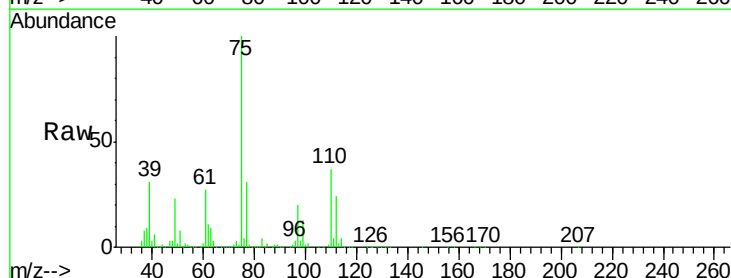
RT: 11.30 min Scan# 1757

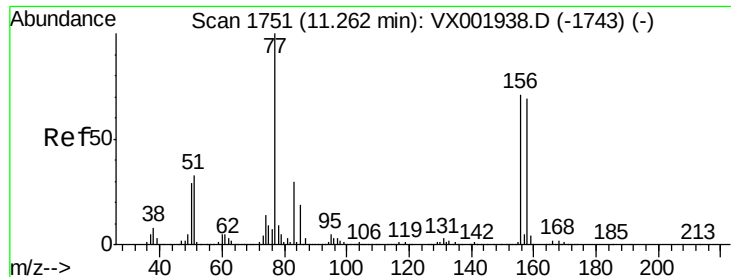
Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	75	Resp:	109628
Ion Ratio	Lower	Upper	
75	100		
77	38.3	22.8	68.3





#77

Bromobenzene

Concen: 19.37 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

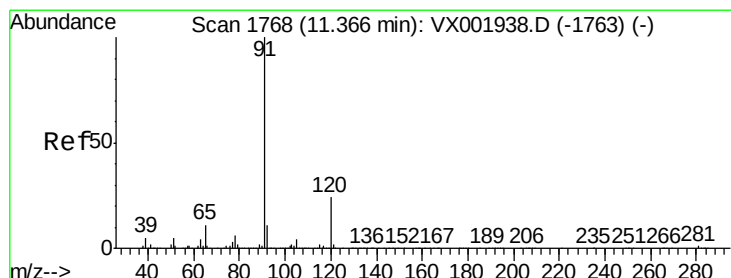
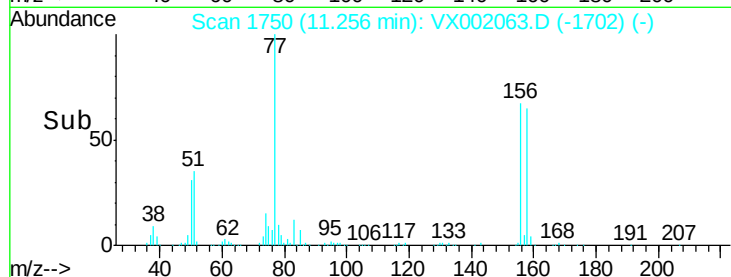
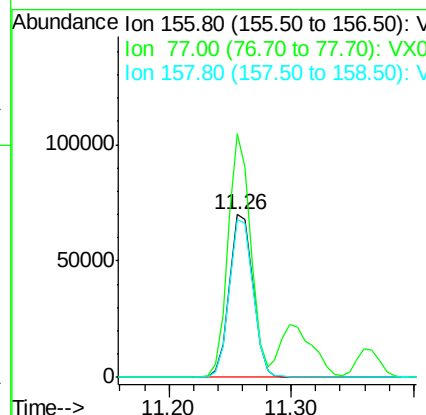
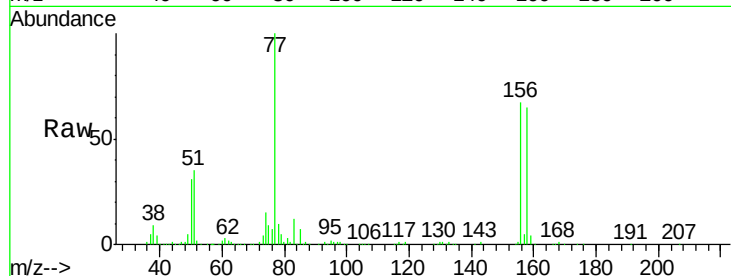
ClientSampleId :

VX0527WBS01

Tot Ion:	156	Resp:	93410
Ion Ratio	Lower	Upper	
156	100		
77	143.0	75.2	225.6
158	97.1	48.6	145.8

Manual Integrations
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5/30/2018 1:50:34 PM



#78

n-propylbenzene

Concen: 19.27 ug/l

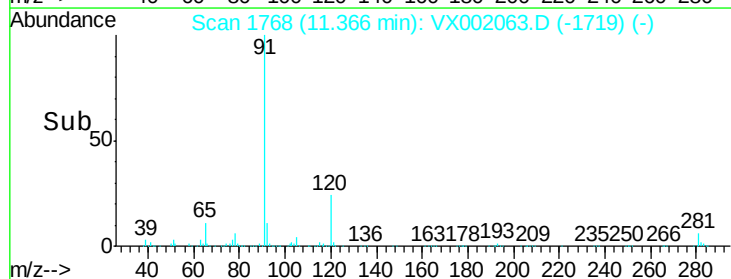
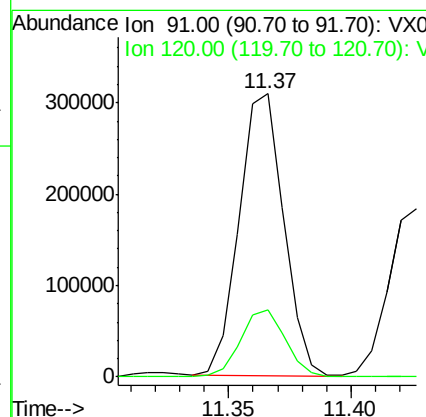
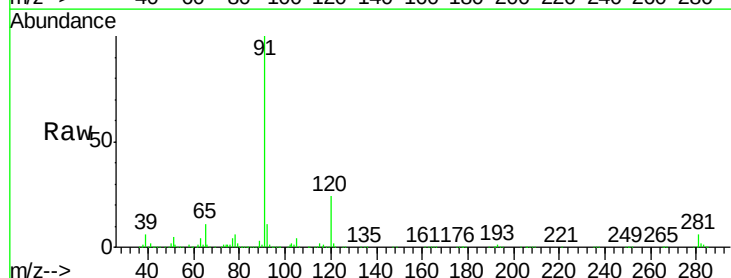
RT: 11.37 min Scan# 1768

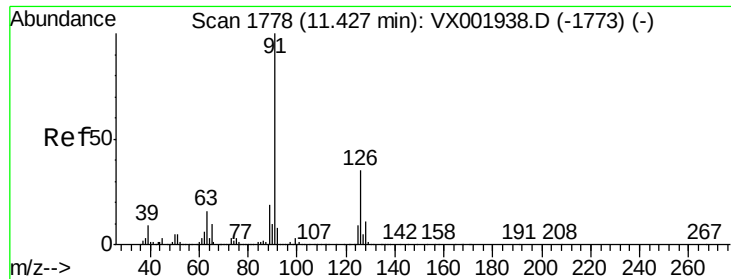
Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	91	Resp:	392314
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.7





#79

2-Chlorotoluene

Concen: 19.79 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion: 91 Resp: 236603

Ion Ratio Lower Upper

91 100

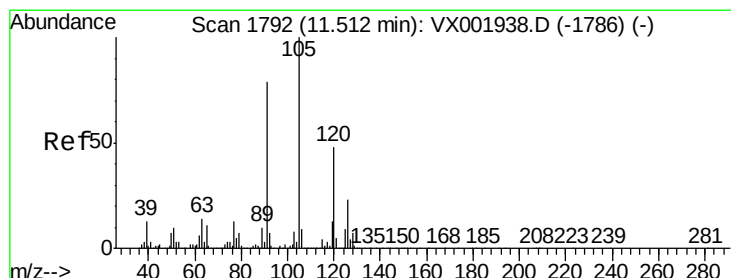
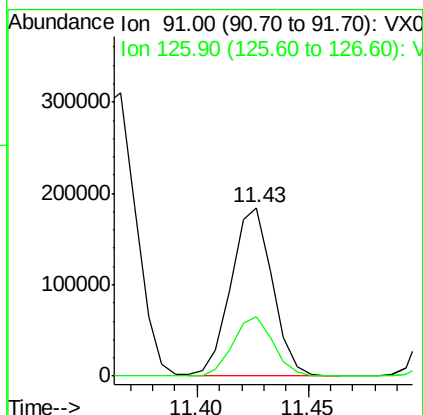
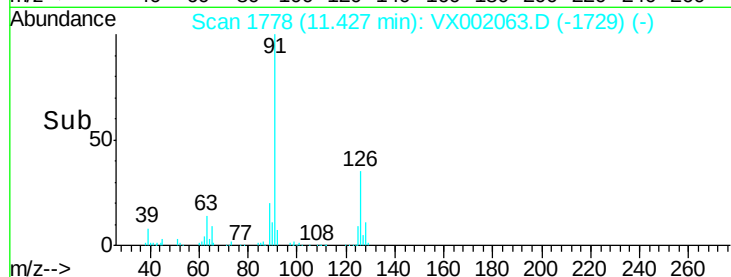
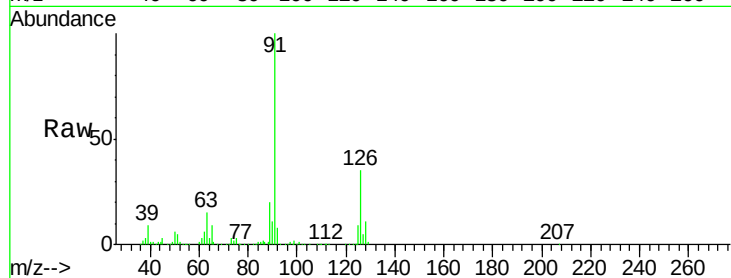
126 34.9 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002063.D

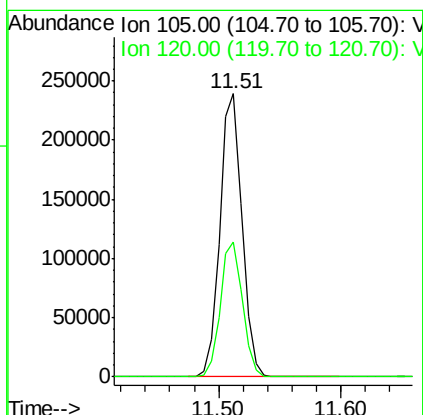
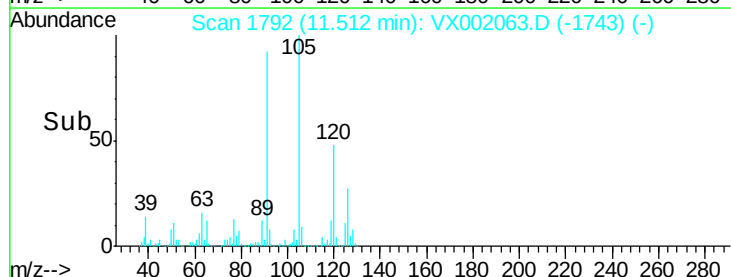
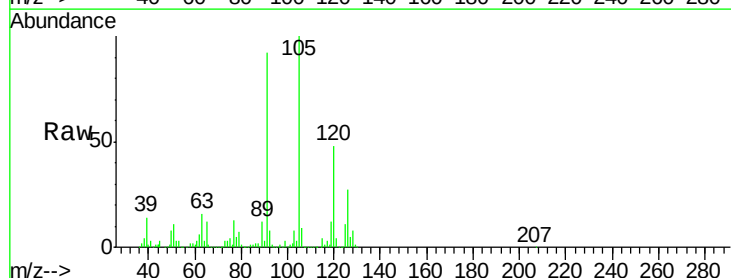
Acq: 27 May 2018 12:53

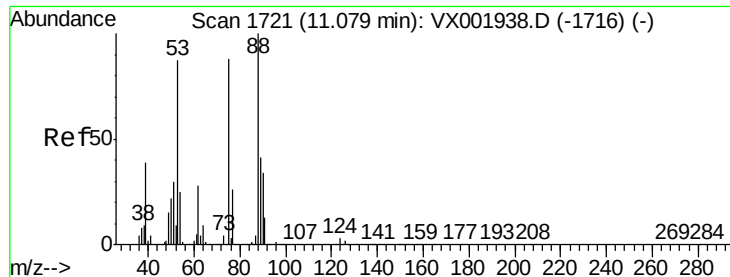
Tgt Ion: 105 Resp: 299669

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4





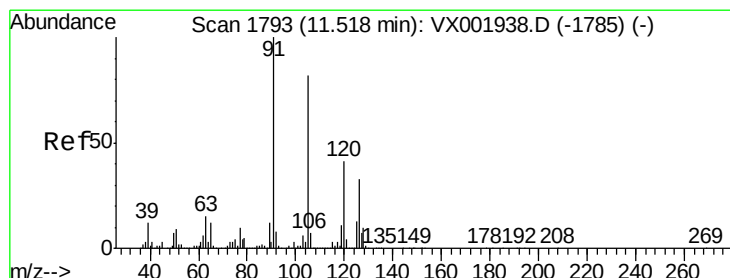
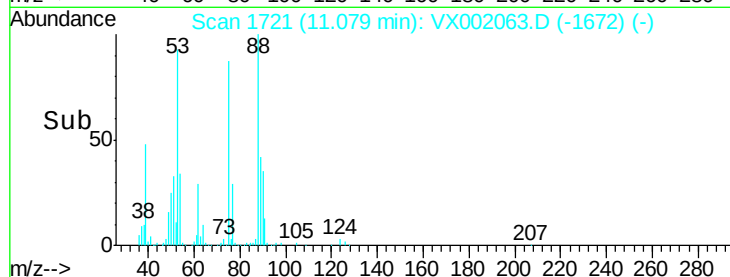
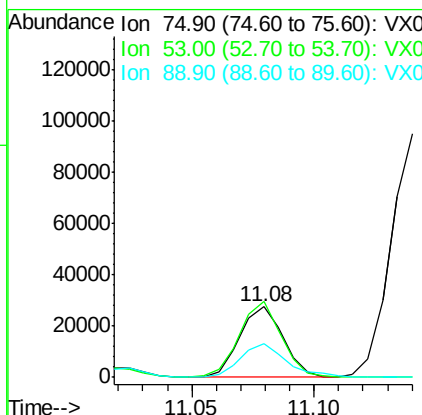
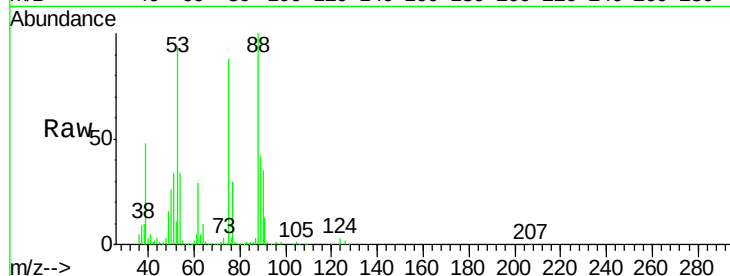
#81
trans-1,4-Dichloro-2-butene
Concen: 15.78 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.8	78.0	117.0
89	52.2	39.4	59.2

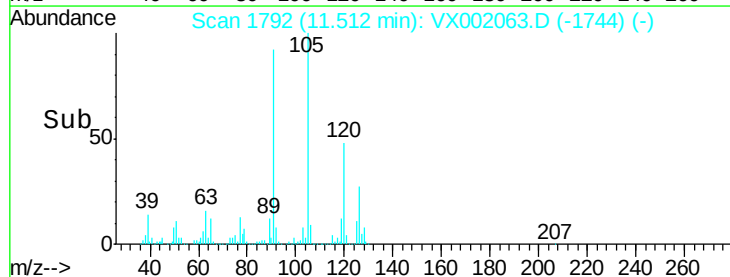
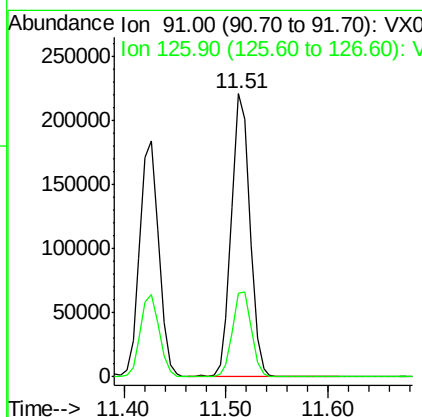
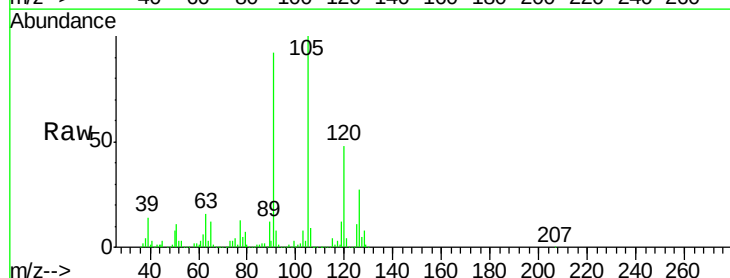
Manual Integrations
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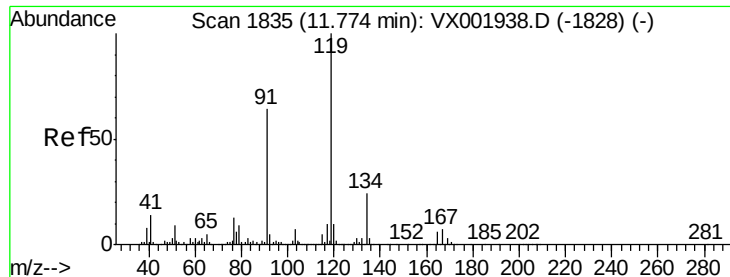
MMDadoda
5/30/2018 1:50:34 PM



#82
4-Chlorotoluene
Concen: 19.23 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





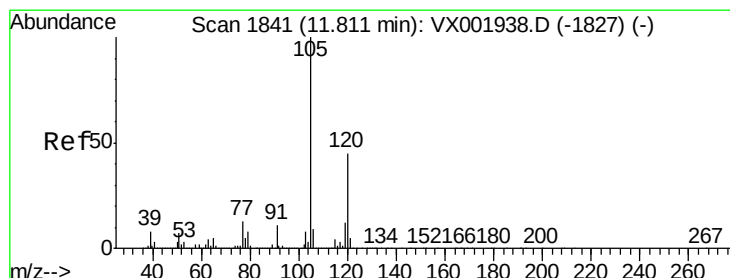
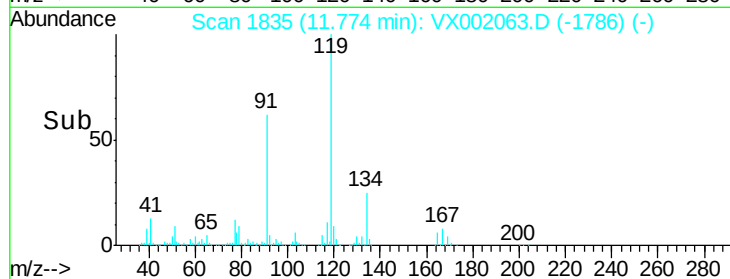
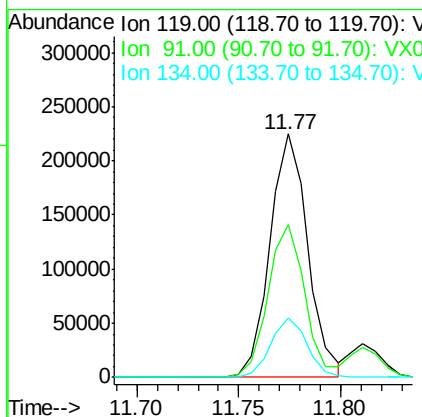
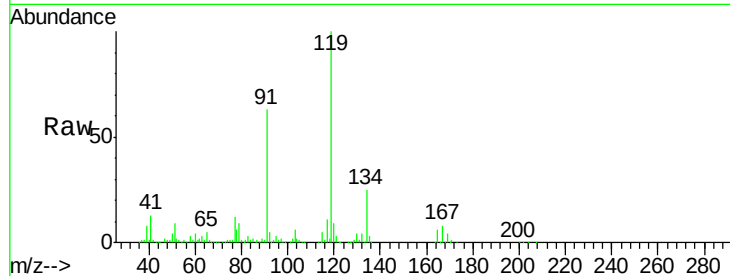
#83
 tert-Butylbenzene
 Concen: 19.07 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	290717		
91	61.3	30.6	91.8	
134	23.6	11.7	35.0	

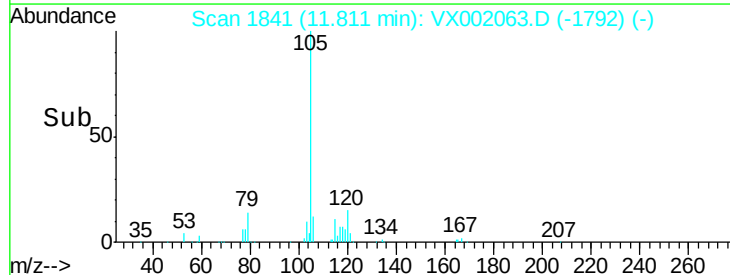
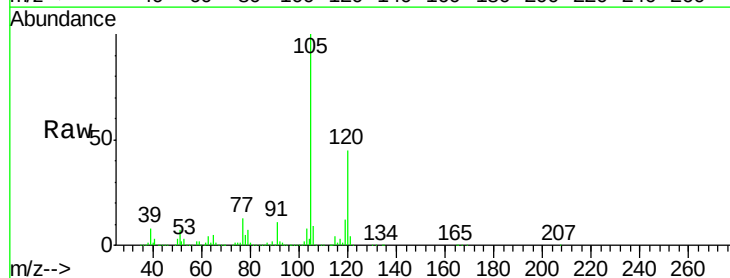
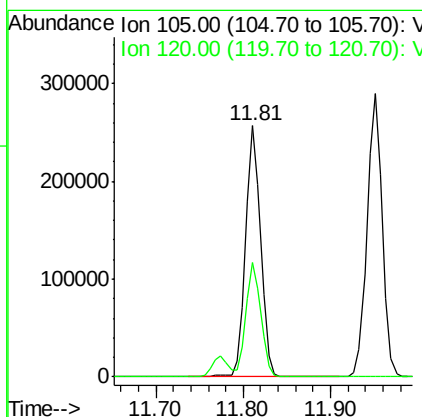
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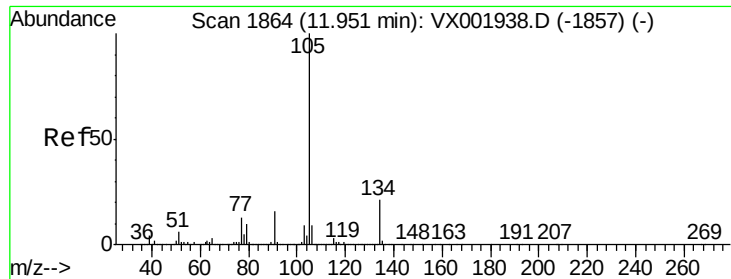
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.11 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	306767		
120	45.3	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

Tot Ion:105 Resp: 353681

Ion Ratio Lower Upper

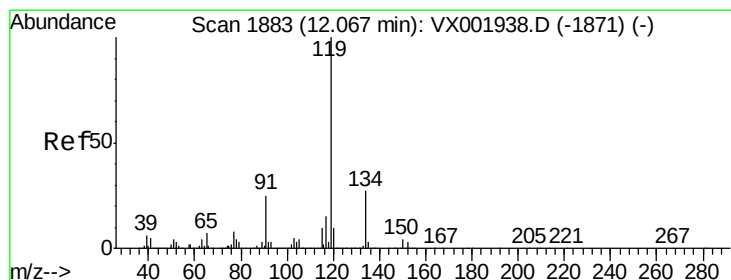
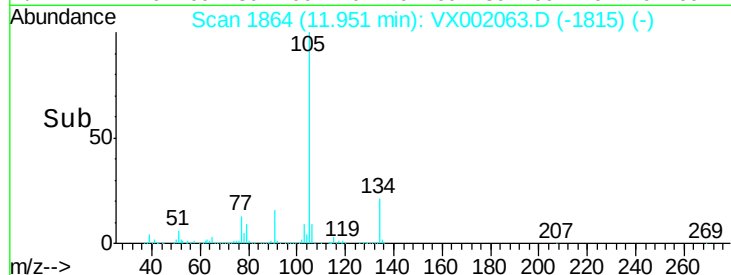
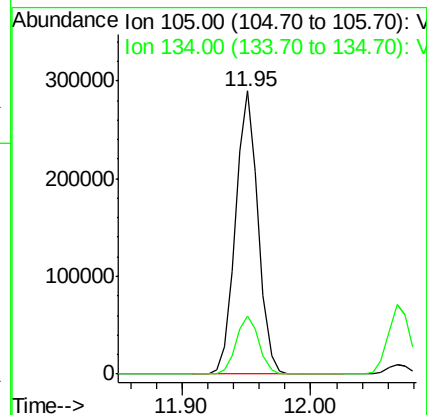
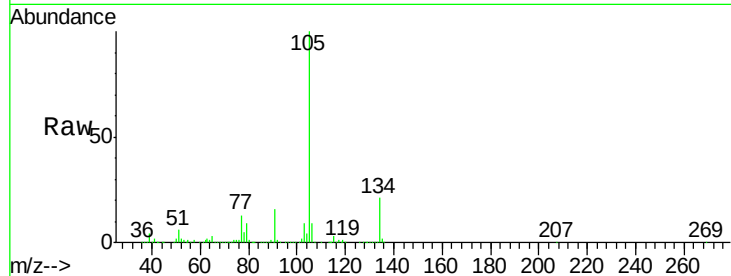
105 100

134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.47 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

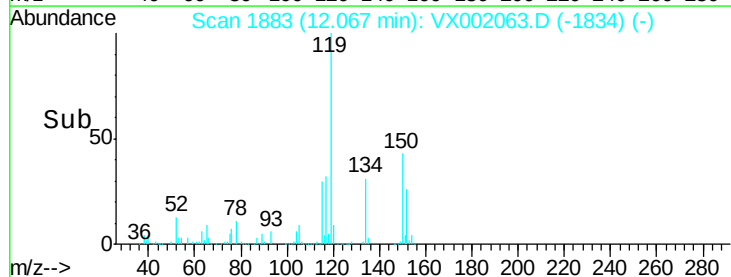
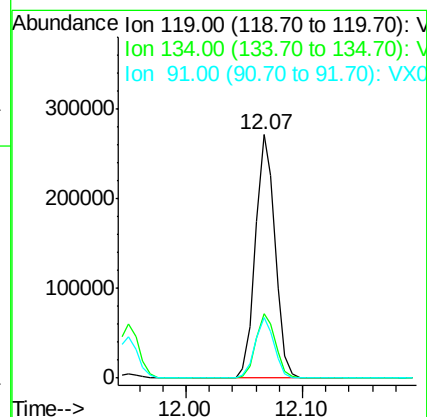
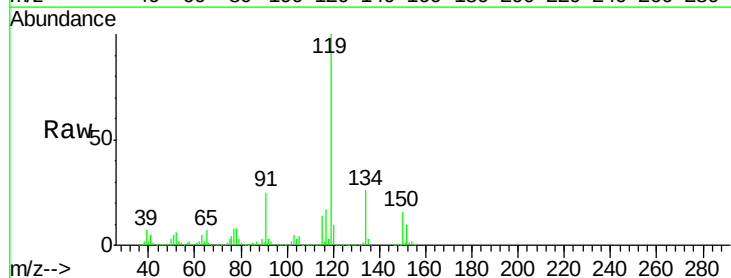
Tgt Ion:119 Resp: 319225

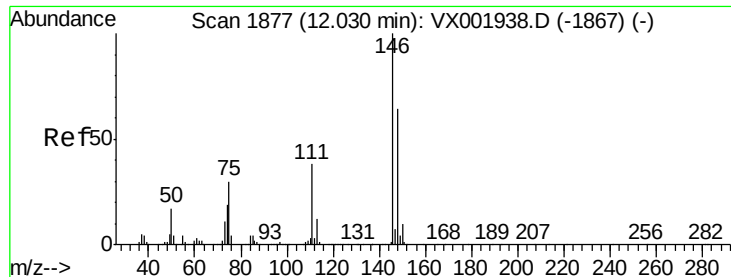
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.3 12.2 36.4





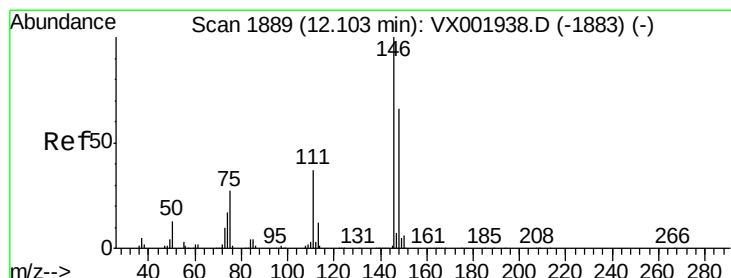
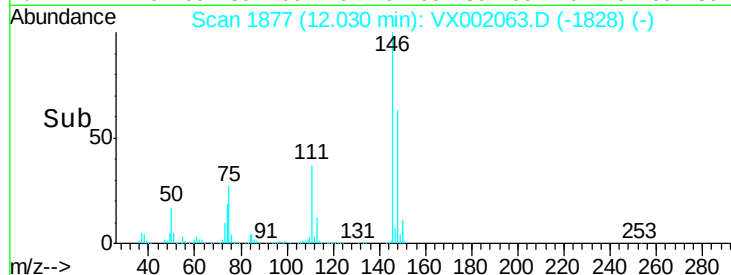
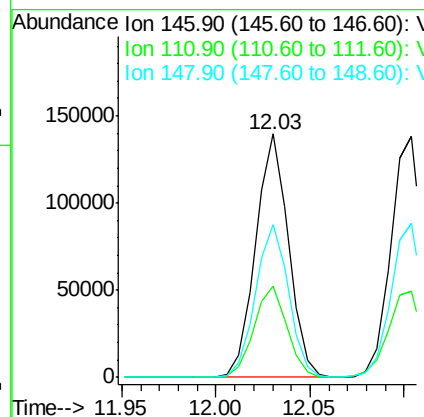
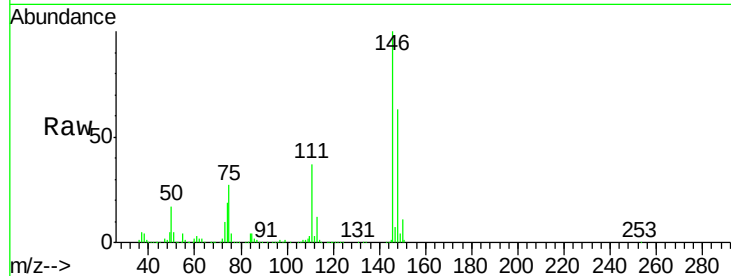
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.8
148	63.3	32.1	96.3

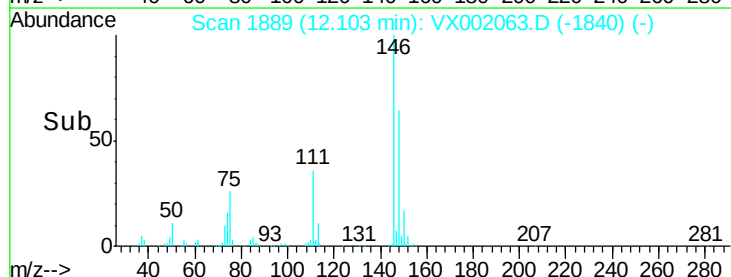
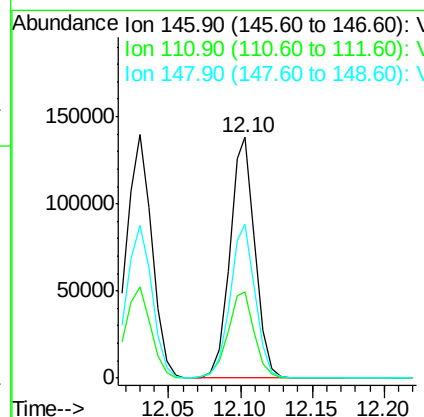
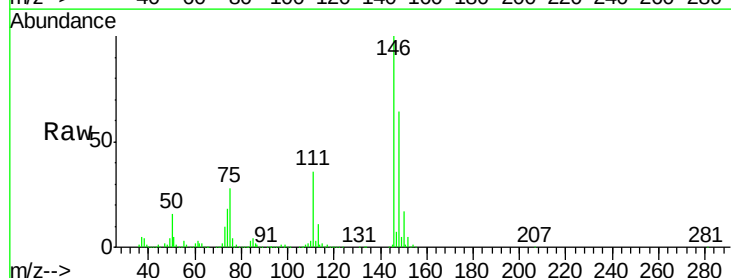
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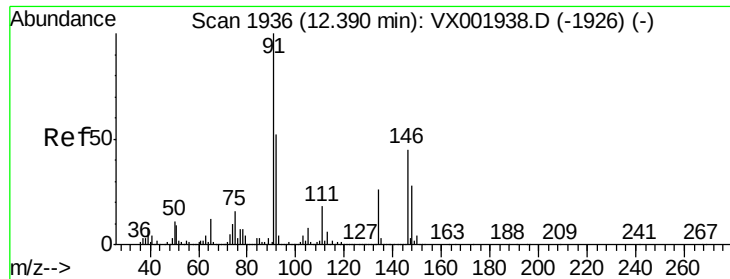
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#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.1	32.3	96.8





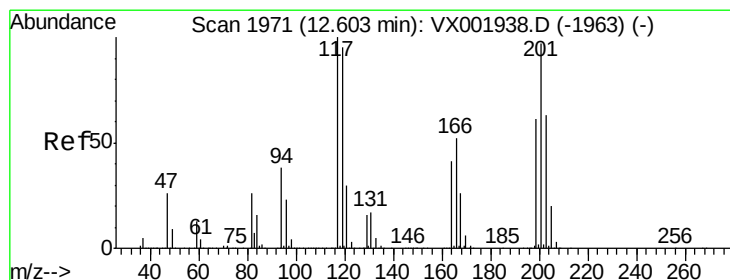
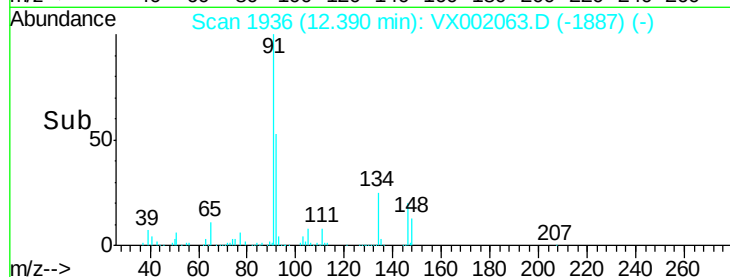
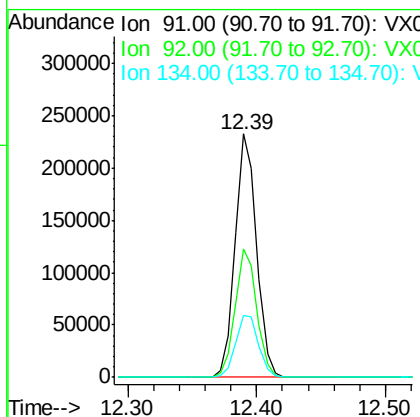
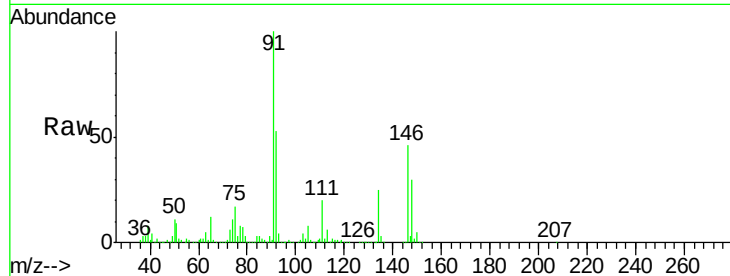
#89
n-Butylbenzene
Concen: 19.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	27.0	13.6	40.7

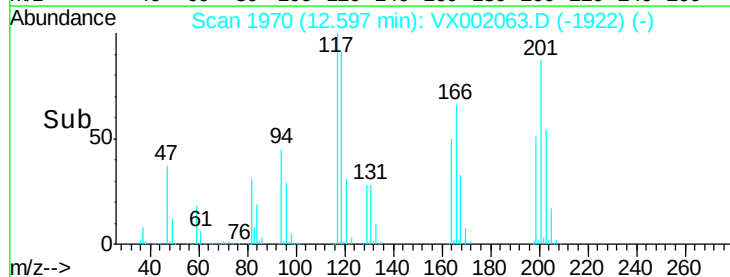
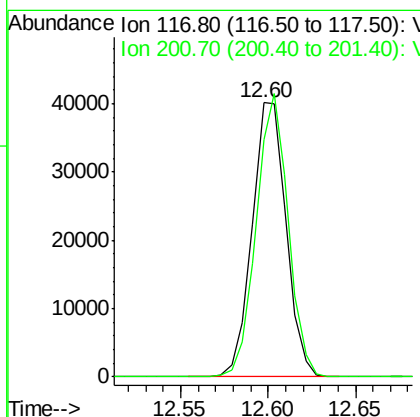
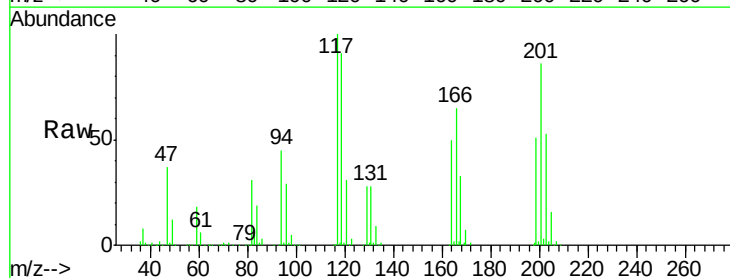
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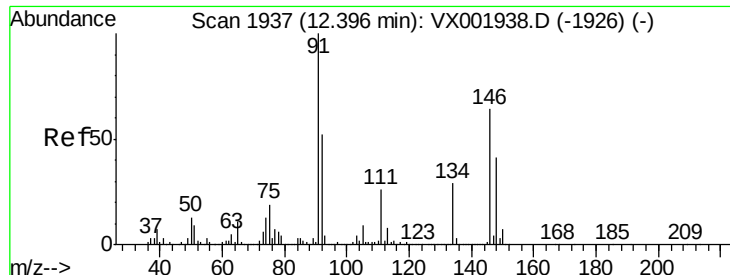
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5/30/2018 1:50:34 PM



#90
Hexachloroethane
Concen: 16.87 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002063.D
Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.0	48.0	144.0





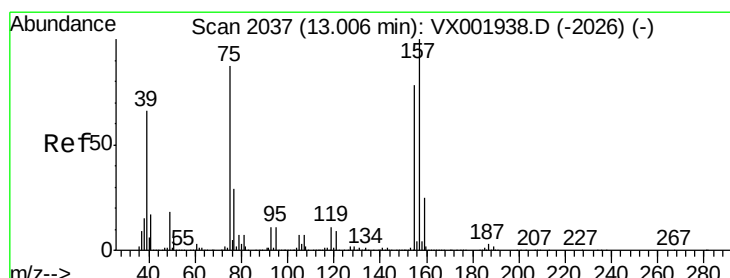
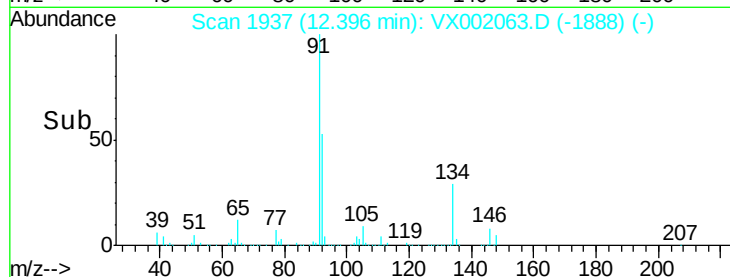
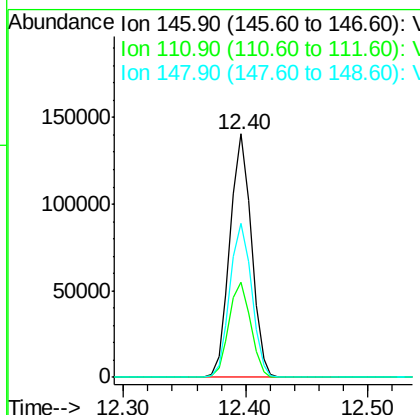
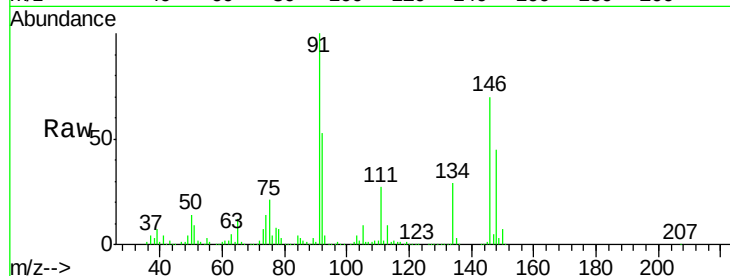
#91
 1,2-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	64.7	32.1	96.5

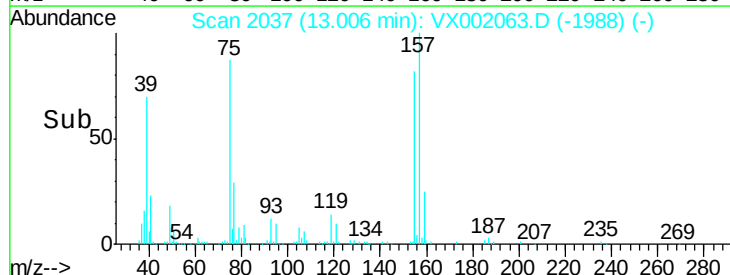
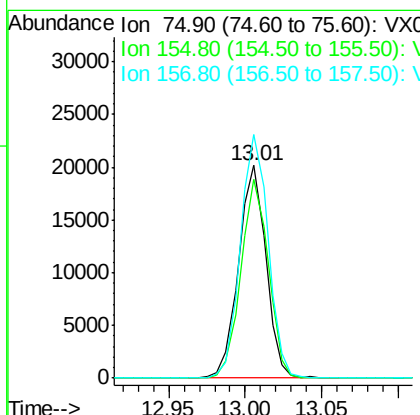
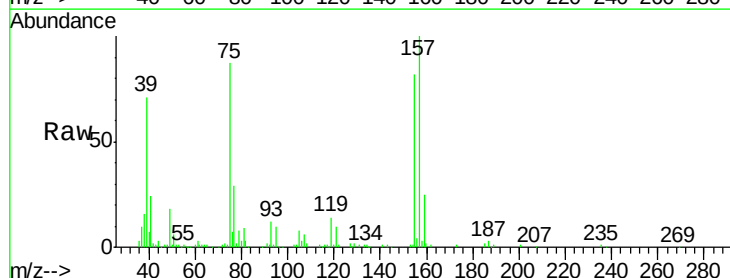
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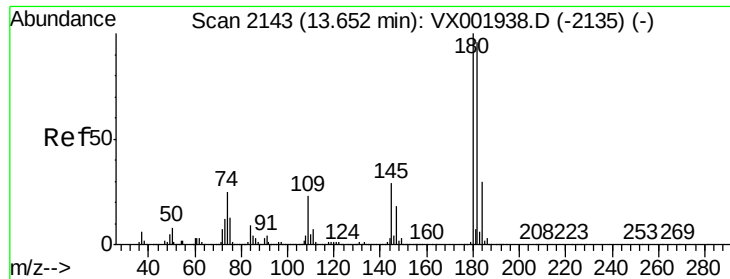
MMDadoda
 5/30/2018 1:50:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.48 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	45.1	135.2
157	115.9	58.1	174.2





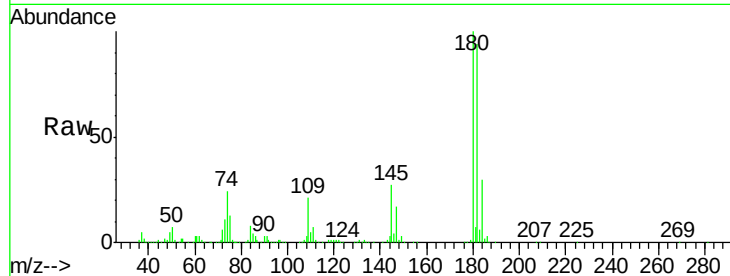
#93
 1,2,4-Trichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

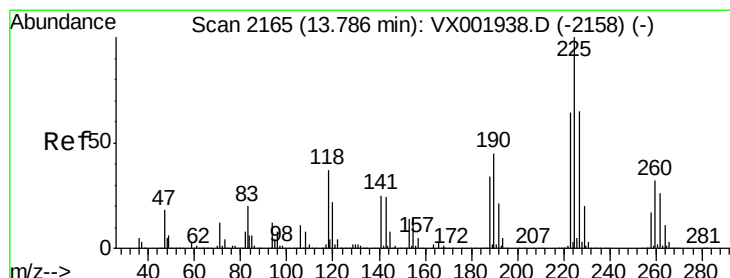
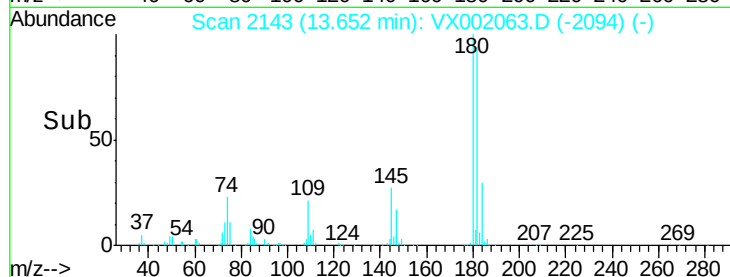
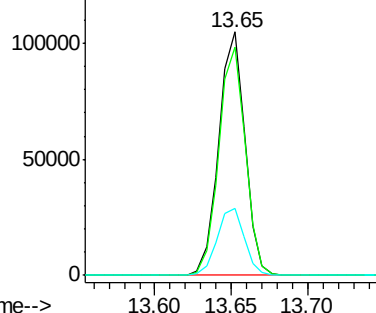
Tot Ion	Ratio	Resp	Lower	Upper
180	100	124741		
182	94.8	47.7	143.1	
145	28.6	14.4	43.0	

Manual Integrations
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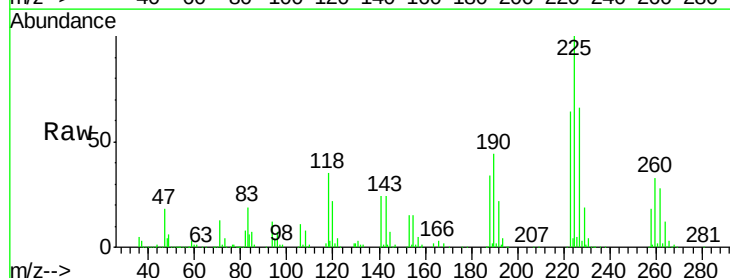


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

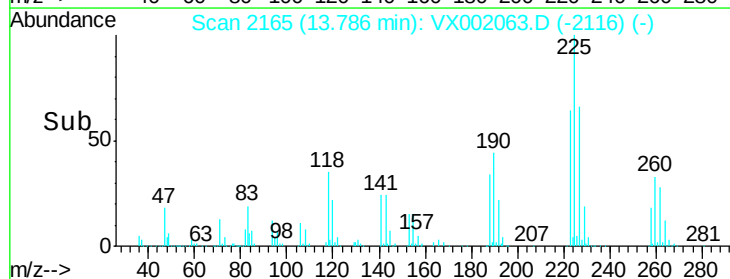
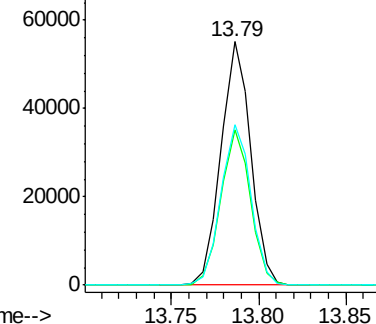


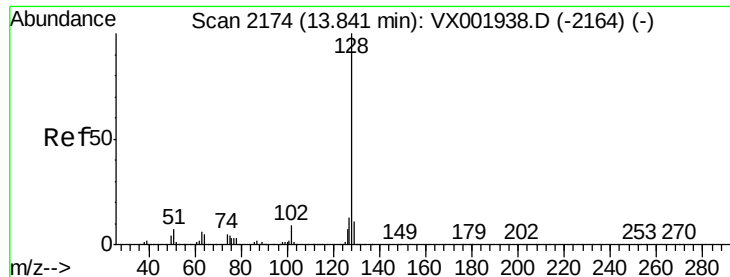
#94
 Hexachlorobutadiene
 Concen: 19.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002063.D
 Acq: 27 May 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65301		
223	63.7	31.1	93.5	
227	66.3	32.1	96.5	



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: 18.89 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Instrument :

MSVOA_X

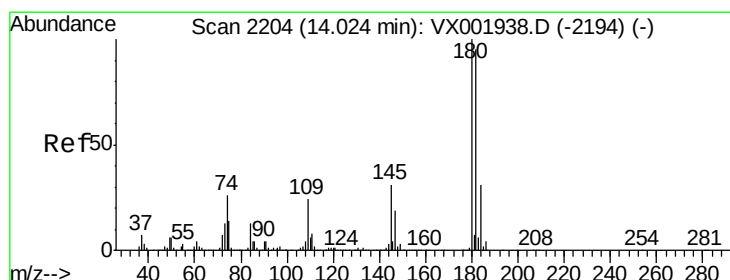
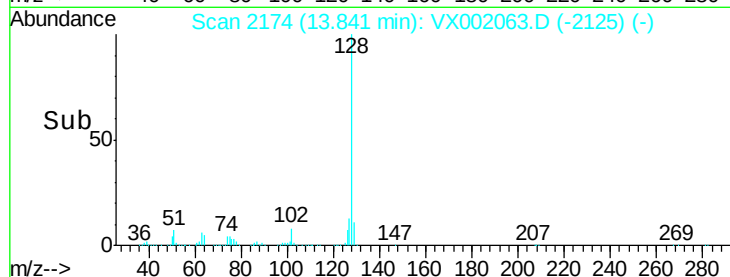
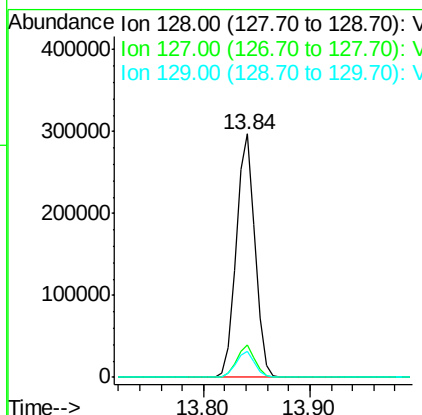
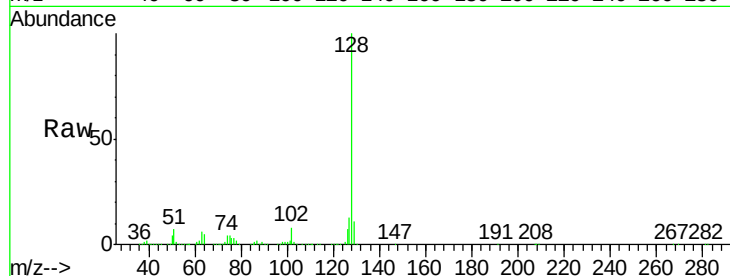
ClientSampleId :

VX0527WBS01

Tot Ion:	128	Resp:	366255
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.58 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002063.D

Acq: 27 May 2018 12:53

Tgt Ion:	180	Resp:	127492
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	30.4	15.1	45.3

