

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002604.D
 Acq On : 15 Jun 2018 18:50
 Operator : JC/MD
 Sample : VX0615WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:03 PM

Quant Time: Jun 16 02:01:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171310	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	5.51	113	132989	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.72	98	510715	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.14	95	189206	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47561	19.10	ug/l	99
3) Chloromethane	1.32	50	56251	18.99	ug/l	98
4) Vinyl Chloride	1.40	62	61485	20.00	ug/l	98
5) Bromomethane	1.64	94	41083	22.15	ug/l	100
6) Chloroethane	1.72	64	38954	19.22	ug/l	99
7) Trichlorofluoromethane	1.93	101	99927	20.01	ug/l	98
8) Diethyl Ether	2.19	74	36544	19.24	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55286	19.80	ug/l	98
10) Methyl Iodide	2.51	142	56486	18.62	ug/l	97
11) Tert butyl alcohol	3.08	59	75851	102.92	ug/l	98
12) 1,1-Dichloroethene	2.37	96	50792	19.38	ug/l	99
13) Acrolein	2.29	56	31526	95.61	ug/l	99
14) Allyl chloride	2.73	41	101598	19.52	ug/l	98
15) Acrylonitrile	3.15	53	160599	99.86	ug/l	99
16) Acetone	2.45	43	146395	93.08	ug/l	98
17) Carbon Disulfide	2.57	76	118982	19.14	ug/l	99
18) Methyl Acetate	2.78	43	83945	20.03	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	193969	19.73	ug/l	99
20) Methylene Chloride	2.86	84	58413	18.11	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	56736	19.95	ug/l	94
22) Diisopropyl ether	3.88	45	178463	18.95	ug/l	99
23) Vinyl Acetate	3.83	43	758747	96.27	ug/l	100
24) 1,1-Dichloroethane	3.70	63	101623	19.88	ug/l	100
25) 2-Butanone	4.71	43	208372	100.88	ug/l	100
26) 2,2-Dichloropropane	4.59	77	68098	18.54	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	56594	19.56	ug/l	98
28) Bromochloromethane	5.03	49	46776	19.54	ug/l	98
29) Tetrahydrofuran	5.17	42	136505	100.84	ug/l	98
30) Chloroform	5.22	83	97517	19.79	ug/l	98
31) Cyclohexane	5.57	56	83475	19.84	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	83170	20.18	ug/l	98
36) 1,1-Dichloropropene	5.80	75	69912	19.63	ug/l	99
37) Ethyl Acetate	4.87	43	79984	19.84	ug/l	98
38) Carbon Tetrachloride	5.79	117	72758	20.52	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
 APPROVED

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 6/18/2018 5:12:03 PM

Quant Time: Jun 16 02:01:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84931	20.40	ug/l	99
40) Benzene	6.15	78	210110	19.68	ug/l	100
41) Methacrylonitrile	5.07	41	45302	19.91	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82623	19.99	ug/l	99
43) Isopropyl Acetate	6.47	43	132992	19.92	ug/l	99
44) Trichloroethene	7.22	130	60714	19.70	ug/l	95
45) 1,2-Dichloropropane	7.52	63	55898	19.89	ug/l	99
46) Dibromomethane	7.67	93	37929	20.18	ug/l	98
47) Bromodichloromethane	7.90	83	66091	19.93	ug/l	98
48) Methyl methacrylate	7.78	41	67571	19.80	ug/l	99
49) 1,4-Dioxane	7.76	88	26823	415.06	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	435673	101.61	ug/l	99
52) Toluene	8.79	92	136819	20.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	78588	19.44	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	70598	18.99	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	56097	20.38	ug/l	98
56) Ethyl methacrylate	9.18	69	85224	20.12	ug/l	99
57) 1,3-Dichloropropane	9.38	76	91173	19.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	205324	100.23	ug/l	100
59) 2-Hexanone	9.50	43	335293	103.78	ug/l	99
60) Dibromochloromethane	9.59	129	51532	19.15	ug/l	100
61) 1,2-Dibromoethane	9.68	107	58070	20.37	ug/l	99
64) Tetrachloroethene	9.34	164	67246	19.09	ug/l	97
65) Chlorobenzene	10.14	112	155576	19.96	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	54594	20.55	ug/l	100
67) Ethyl Benzene	10.26	91	266548	20.28	ug/l	99
68) m/p-Xylenes	10.36	106	205066	40.44	ug/l	99
69) o-Xylene	10.70	106	100040	20.08	ug/l	98
70) Styrene	10.71	104	164003	20.02	ug/l	99
71) Bromoform	10.86	173	37744	18.93	ug/l #	99
73) Isopropylbenzene	11.02	105	272009	20.76	ug/l	100
74) N-amyl acetate	6.47	43	132992	20.43	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81416	21.04	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	71755m	19.41	ug/l	
77) Bromobenzene	11.26	156	73648	20.17	ug/l	98
78) n-propylbenzene	11.37	91	308500	20.53	ug/l	100
79) 2-Chlorotoluene	11.43	91	182072	20.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	226154	20.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18758	19.06	ug/l	88
82) 4-Chlorotoluene	11.51	91	217323	20.53	ug/l	99
83) tert-Butylbenzene	11.77	119	220535	20.67	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	232545	20.58	ug/l	98
85) sec-Butylbenzene	11.95	105	277818	20.94	ug/l	100
86) p-Isopropyltoluene	12.07	119	246543	20.54	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	134198	20.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	136326	20.01	ug/l	100
89) n-Butylbenzene	12.39	91	212976	20.12	ug/l	99
90) Hexachloroethane	12.60	117	33391	19.54	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	136444	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16566	20.44	ug/l	96

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0615WBSD01

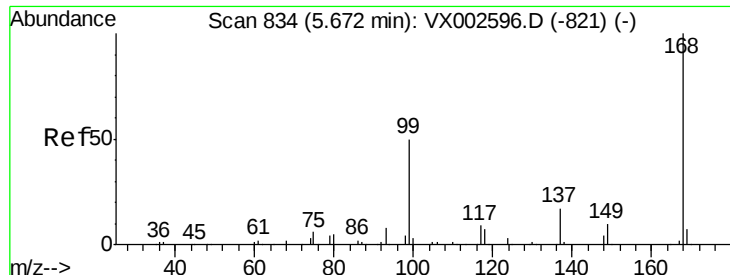
Manual Integrations
APPROVED

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6/18/2018 5:12:03 PM

Quant Time: Jun 16 02:01:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97390	19.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	52970	20.56	ug/l	100
95) Naphthalene	13.84	128	278035	21.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99836	20.33	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: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion:168 Resp: 234592

Ion Ratio Lower Upper

168 100

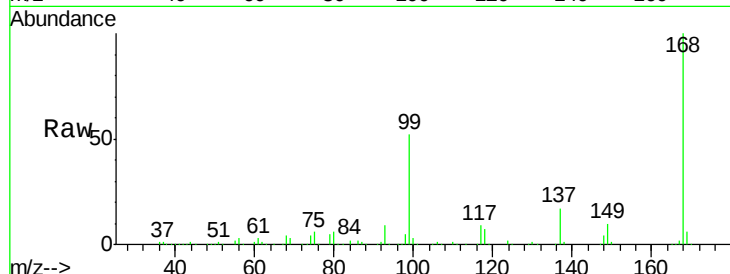
99 51.6 39.3 58.9

Manual Integrations

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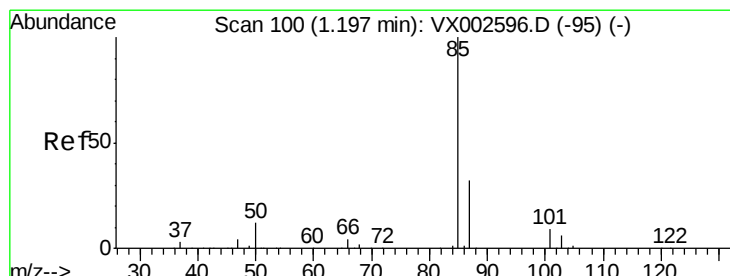
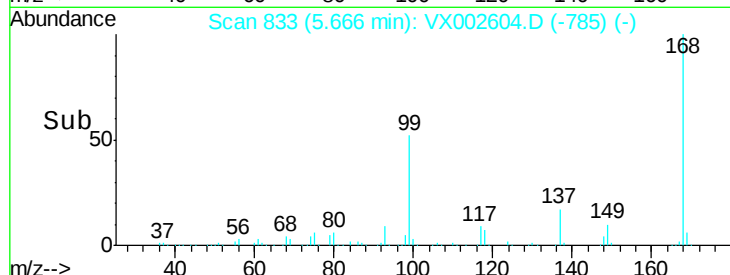
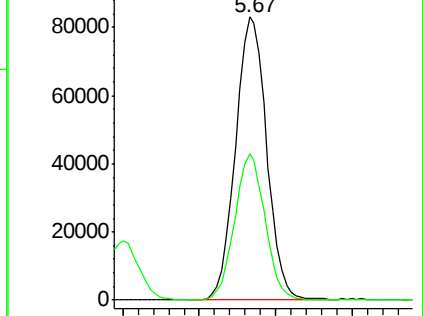
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.10 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002604.D

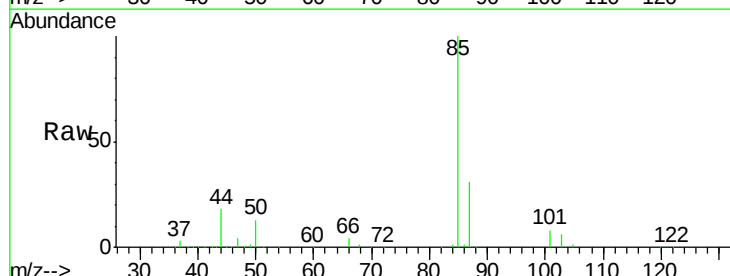
Acq: 15 Jun 2018 18:50

Tgt Ion: 85 Resp: 47561

Ion Ratio Lower Upper

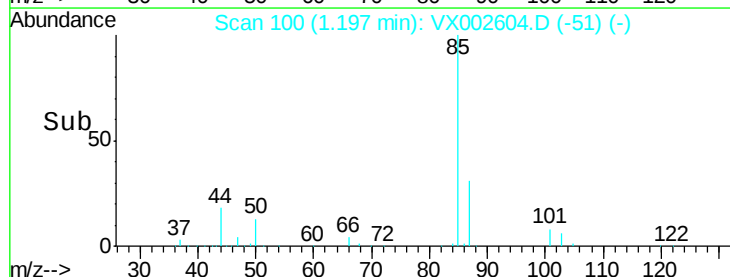
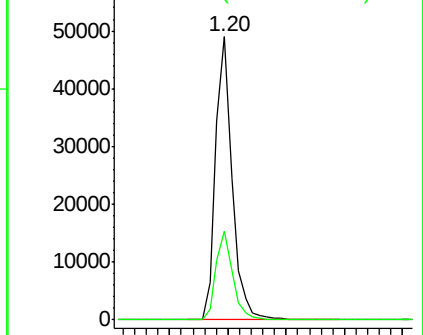
85 100

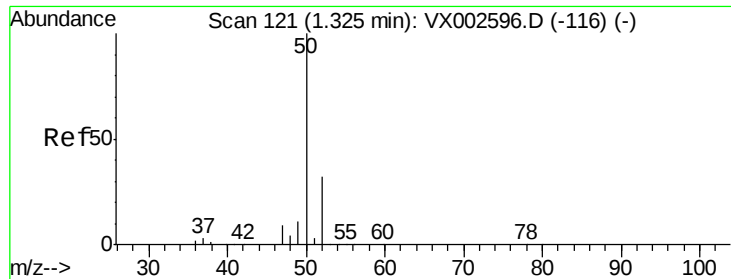
87 31.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 50 Resp: 56251

Ion Ratio Lower Upper

50 100

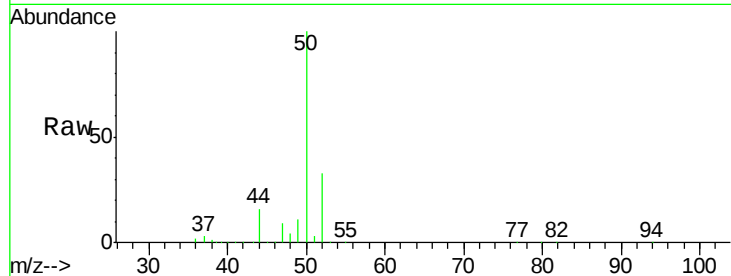
52 32.9 25.7 38.5

Manual Integrations

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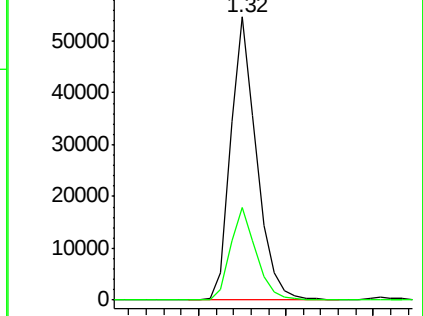
MMDadoda

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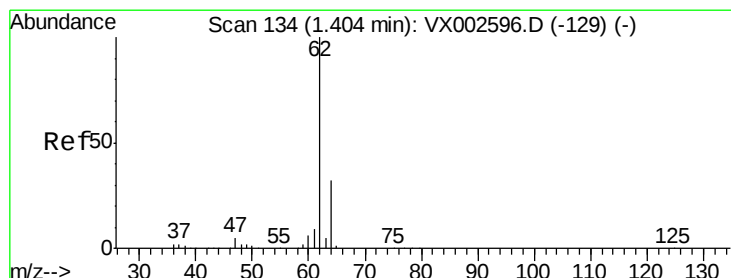
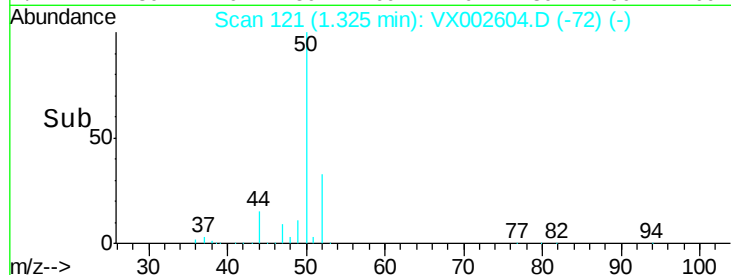


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002604.D

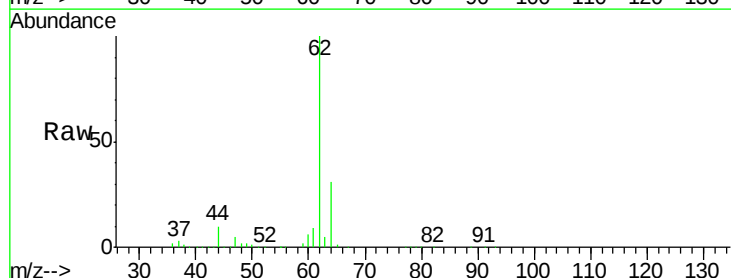
Acq: 15 Jun 2018 18:50

Tgt Ion: 62 Resp: 61485

Ion Ratio Lower Upper

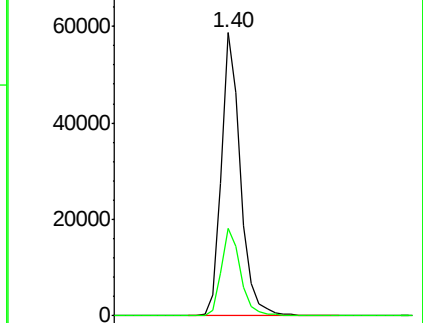
62 100

64 30.9 25.4 38.2

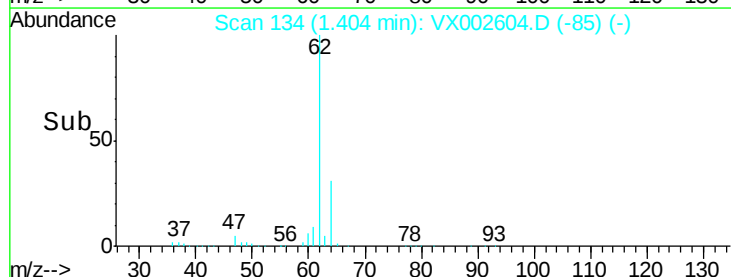


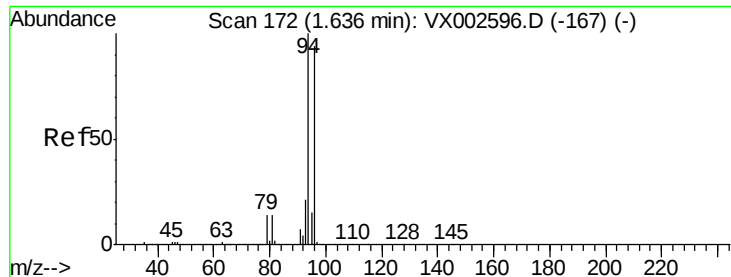
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 22.15 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 94 Resp: 41083

Ion Ratio Lower Upper

94 100

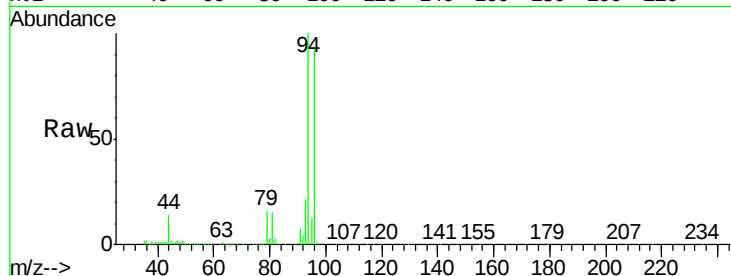
96 93.1 74.9 112.3

Manual Integrations

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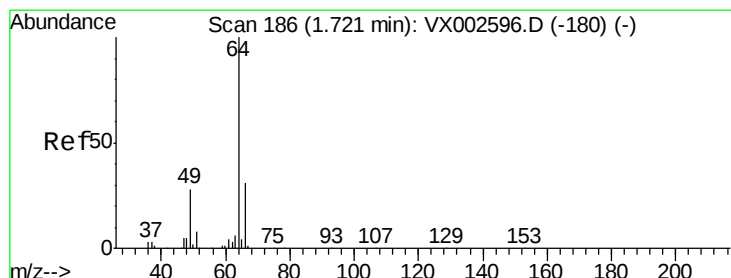
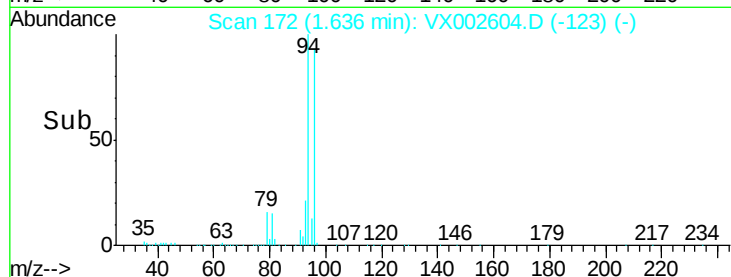
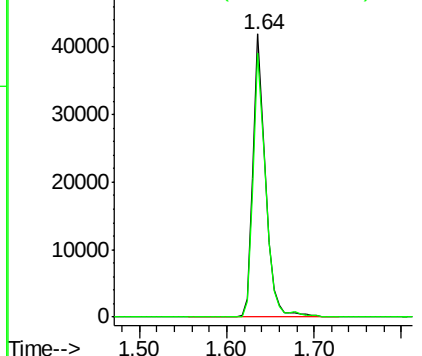
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.22 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002604.D

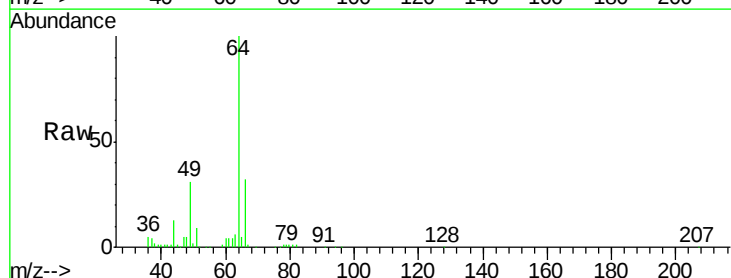
Acq: 15 Jun 2018 18:50

Tgt Ion: 64 Resp: 38954

Ion Ratio Lower Upper

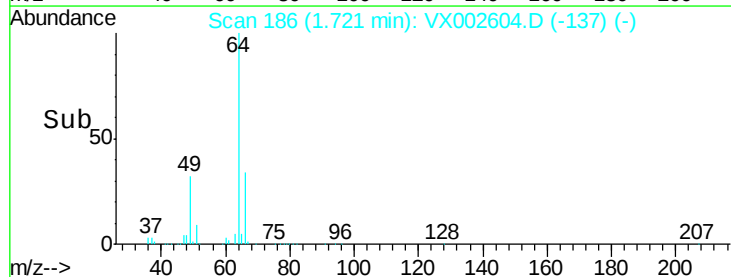
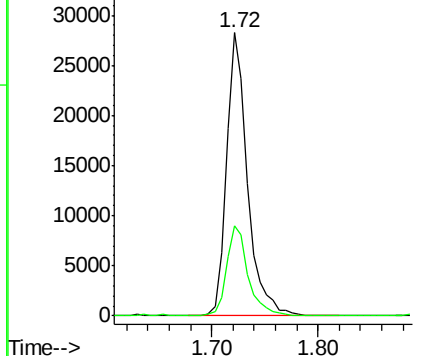
64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

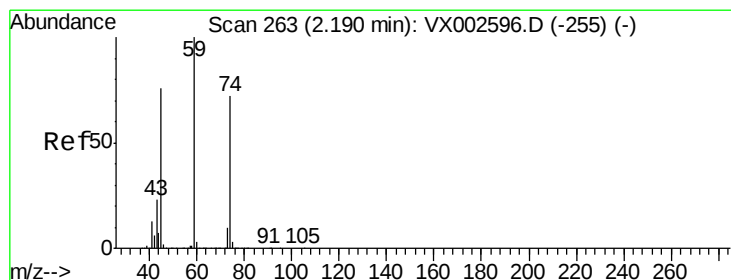
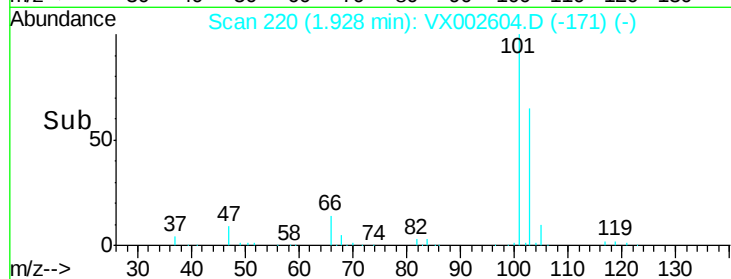
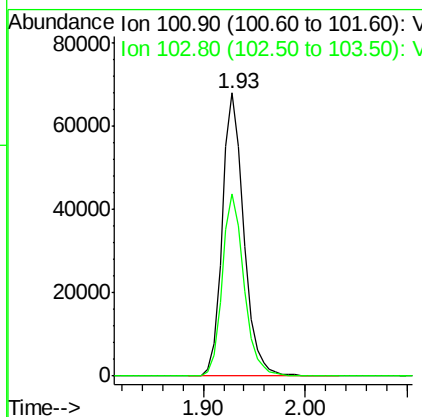
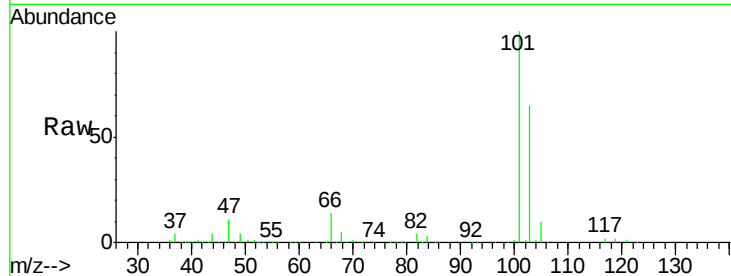
Trichlorofluoromethane
Concen: 20.01 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion:101 Resp: 99927
Ion Ratio Lower Upper
101 100
103 64.6 52.8 79.2

Manual Integrations
APPROVED

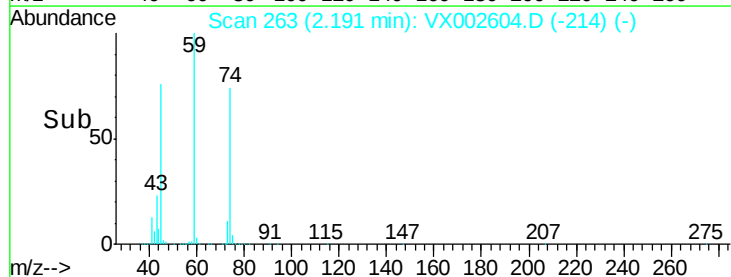
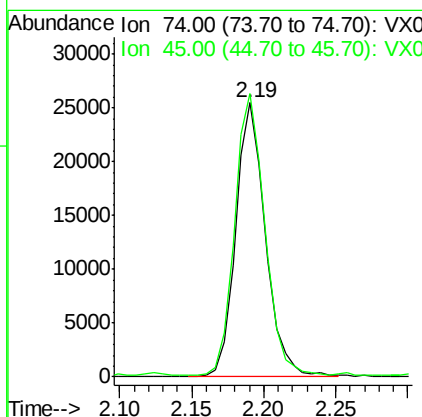
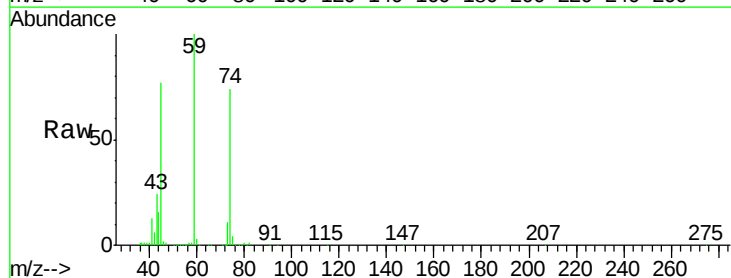
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6/18/2018 5:12:03 PM

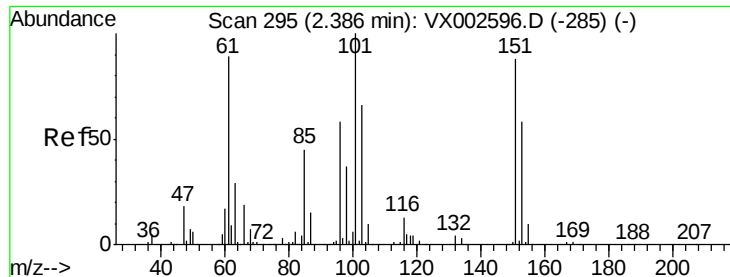


#8

Diethyl Ether
Concen: 19.24 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion: 74 Resp: 36544
Ion Ratio Lower Upper
74 100
45 103.5 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.80 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

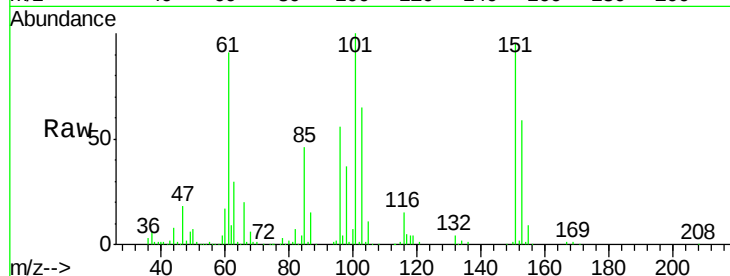
ClientSampleId :

VX0615WBSD01

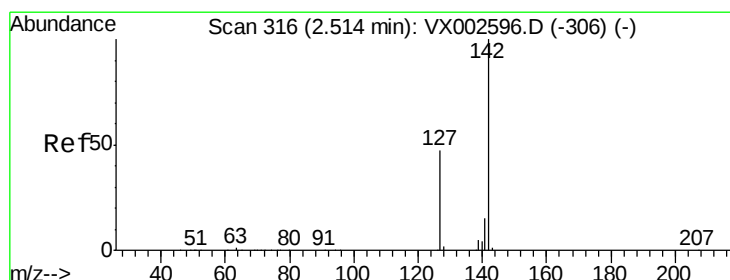
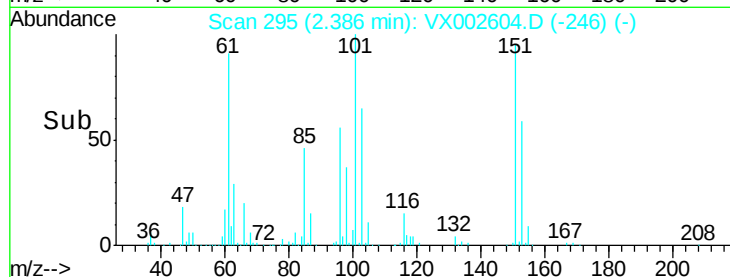
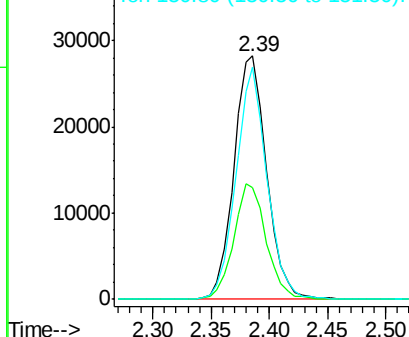
Tot Ion:	101	Resp:	55286
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.0	54.0
151	90.3	70.9	106.3

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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: 18.62 ug/l

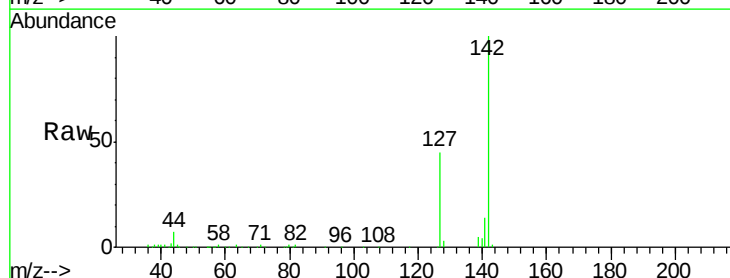
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

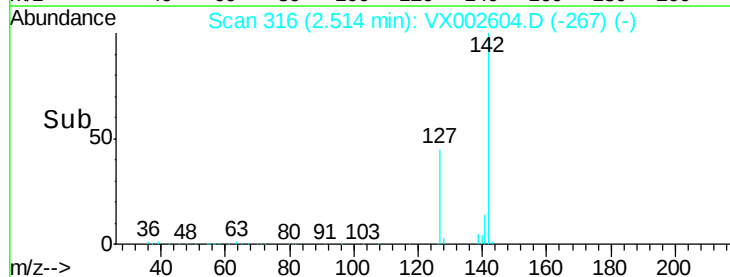
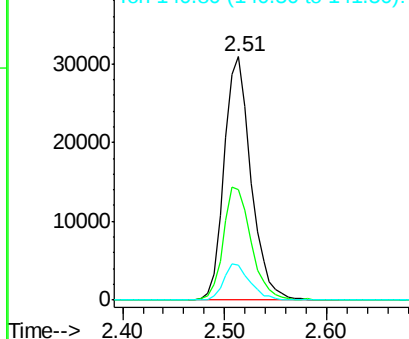
Lab File: VX002604.D

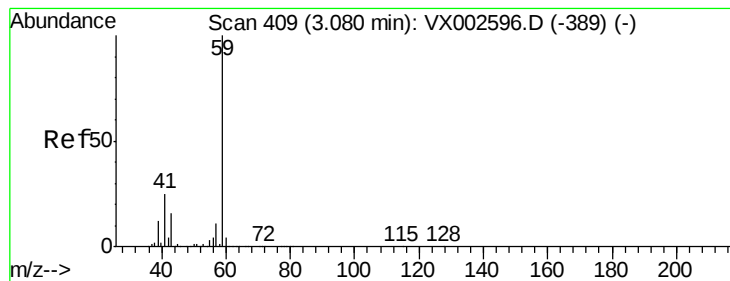
Acq: 15 Jun 2018 18:50

Tgt Ion:	142	Resp:	56486
Ion Ratio	Lower	Upper	
142	100		
127	48.2	36.6	55.0
141	14.7	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

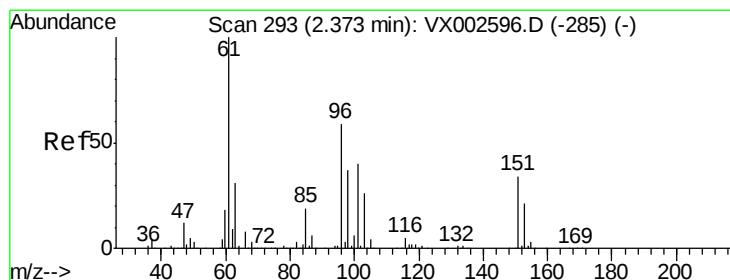
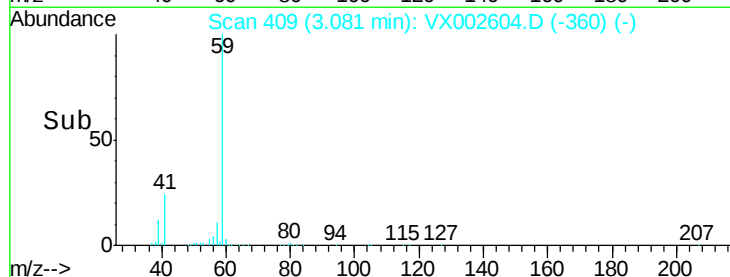
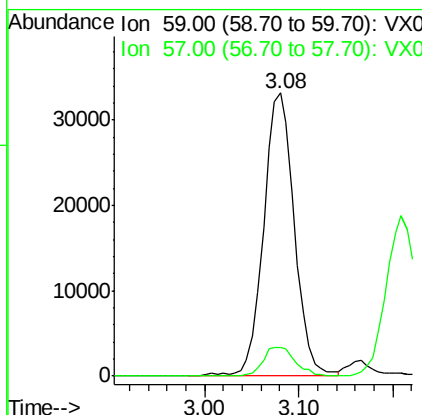
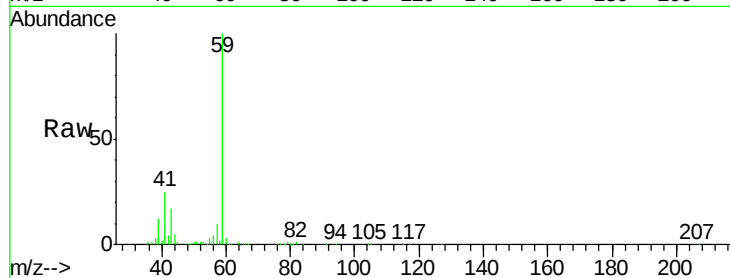
Tert butyl alcohol
Concen: 102.92 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.2

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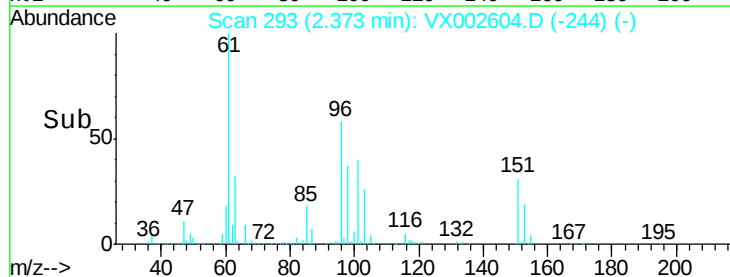
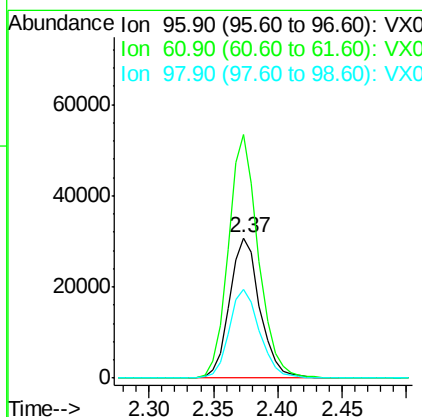
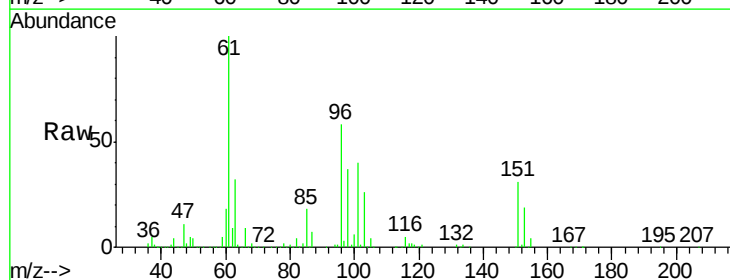
MMDadoda
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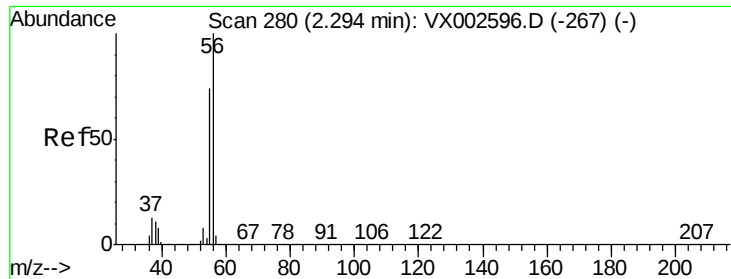


#12

1,1-Dichloroethene
Concen: 19.38 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.5	137.9	206.9
98	63.4	51.6	77.4





#13

Acrolein

Concen: 95.61 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 56 Resp: 31526

Ion Ratio Lower Upper

56 100

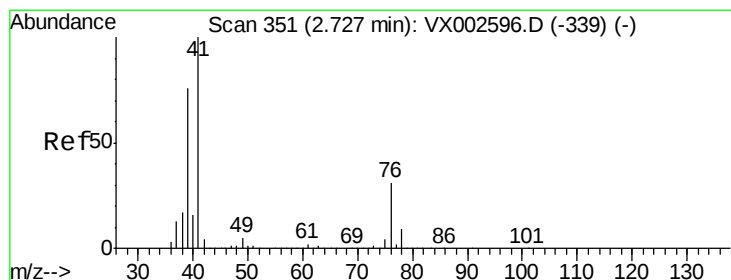
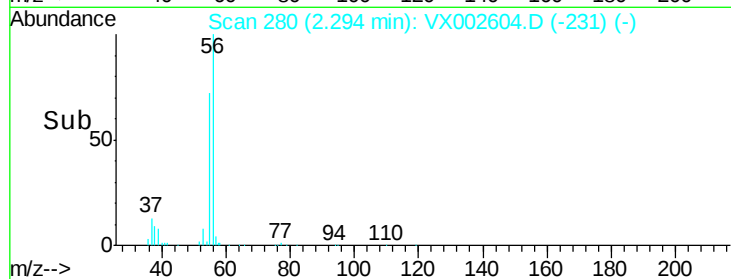
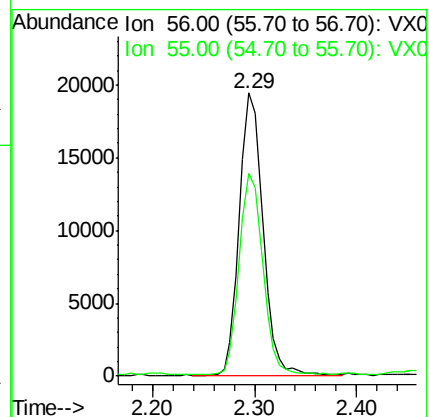
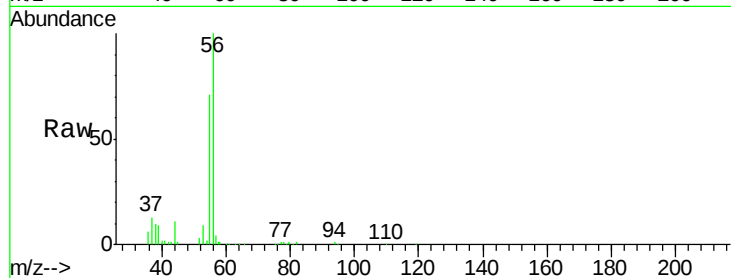
55 70.0 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.52 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

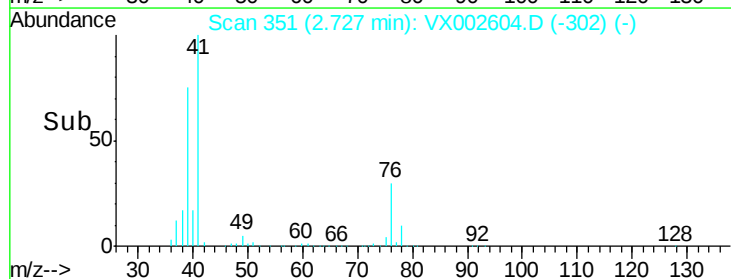
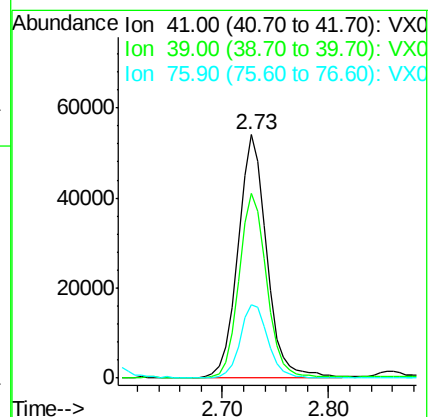
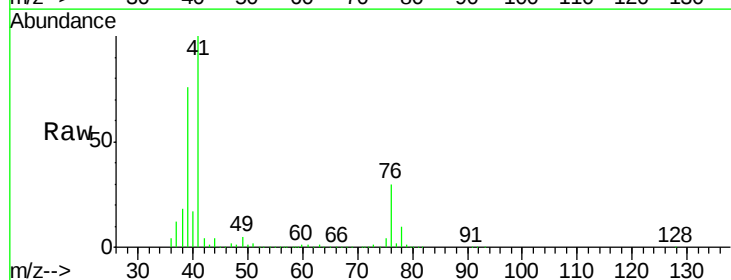
Tgt Ion: 41 Resp: 101598

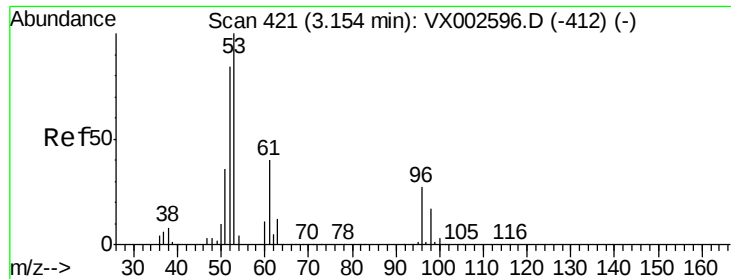
Ion Ratio Lower Upper

41 100

39 73.0 56.8 85.2

76 29.5 23.8 35.8





#15

Acrylonitrile

Concen: 99.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

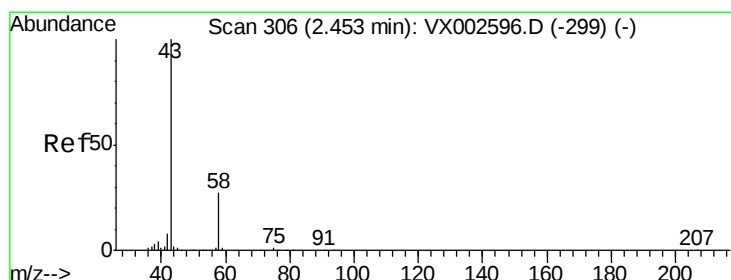
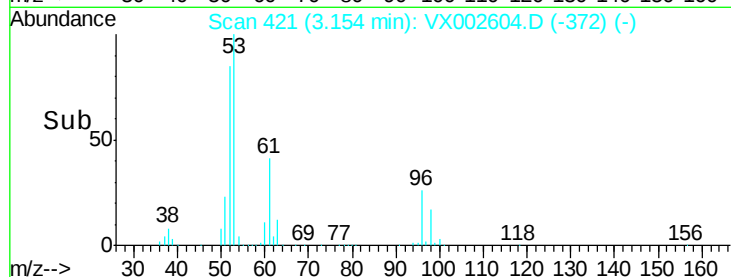
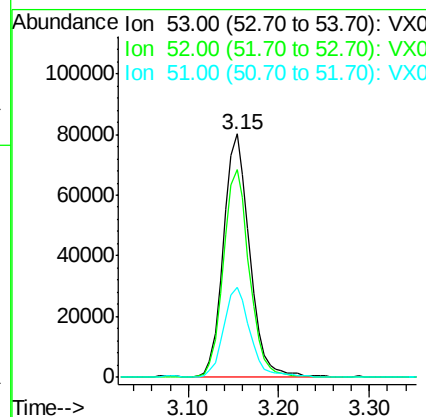
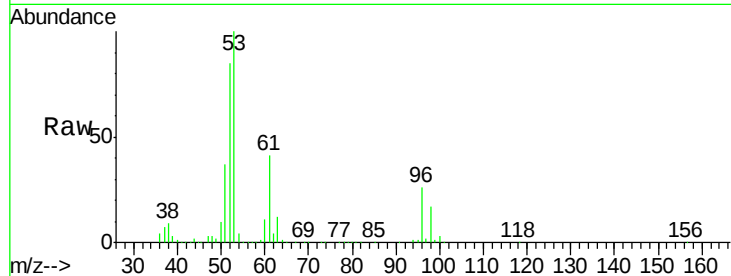
ClientSampleId :

VX0615WBSD01

Tot Ion:	53	Resp:	160599
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.7	100.1
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 93.08 ug/l

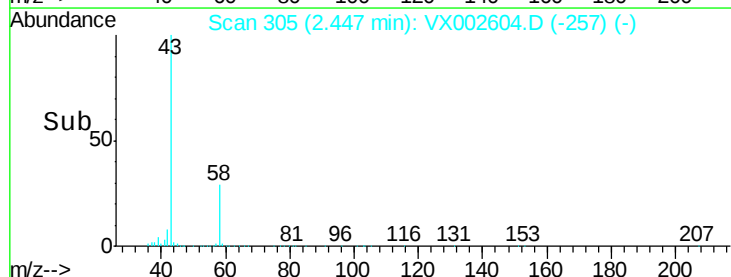
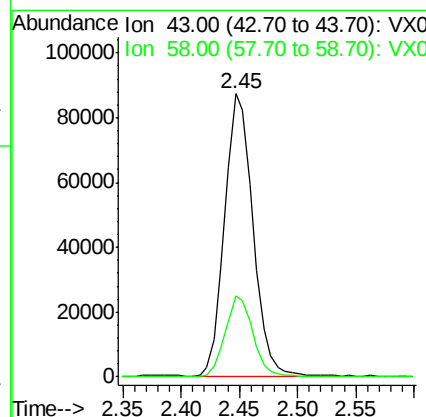
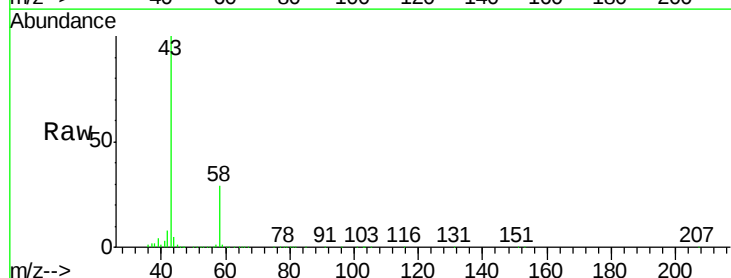
RT: 2.45 min Scan# 305

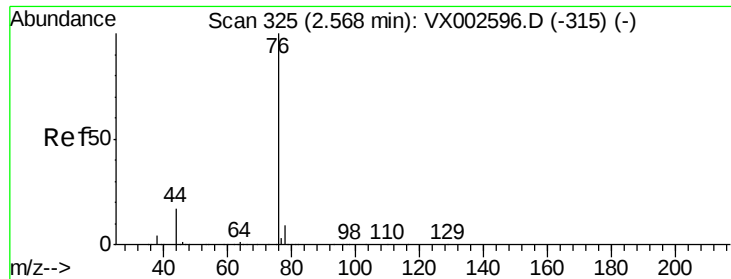
Delta R.T. -0.01 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	43	Resp:	146395
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.1	33.1





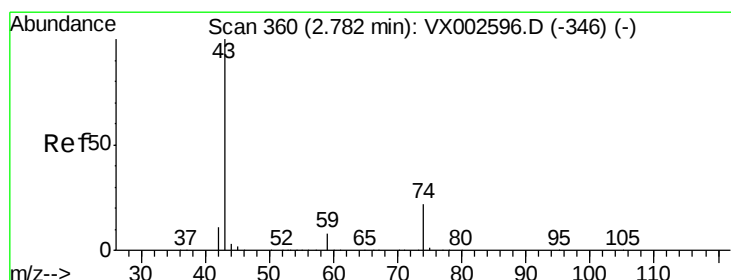
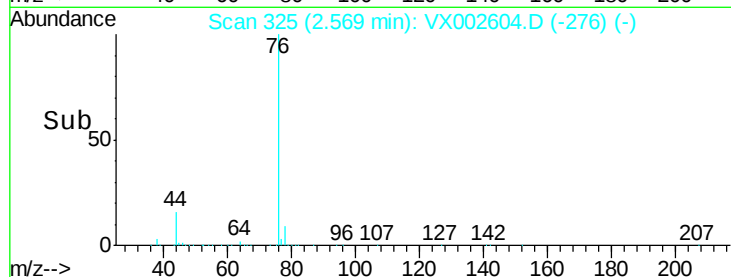
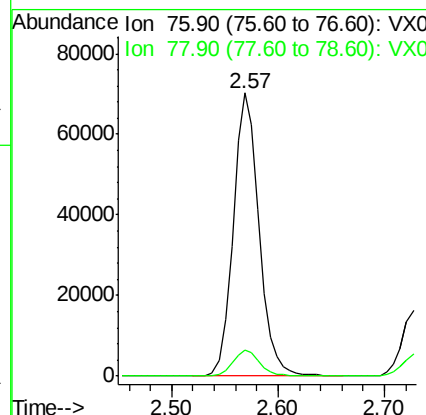
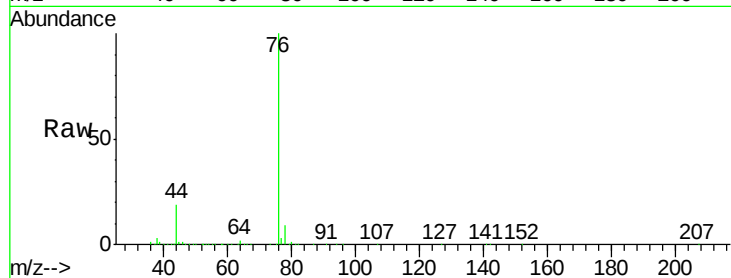
#17
Carbon Disulfide
Concen: 19.14 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

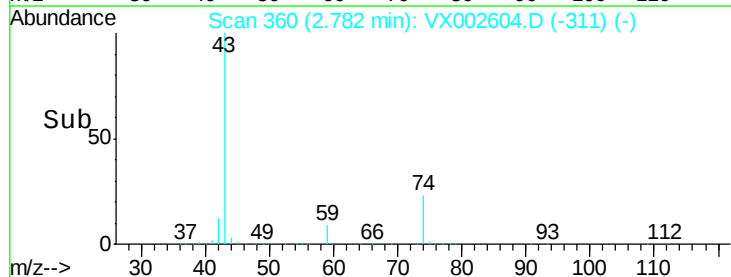
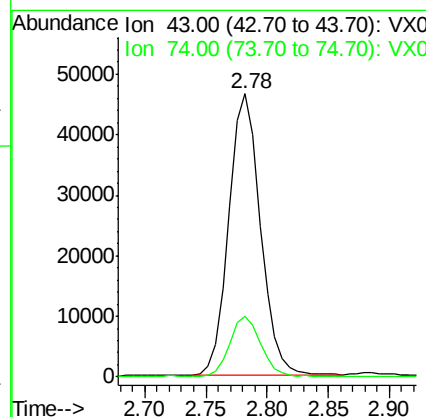
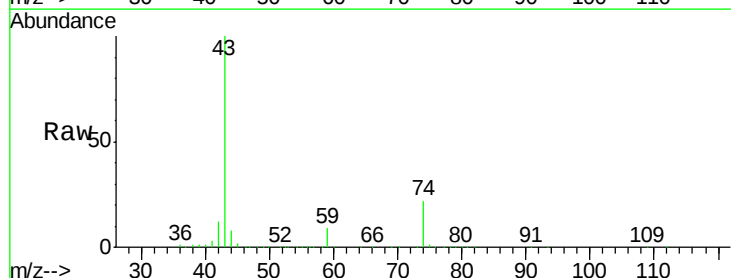
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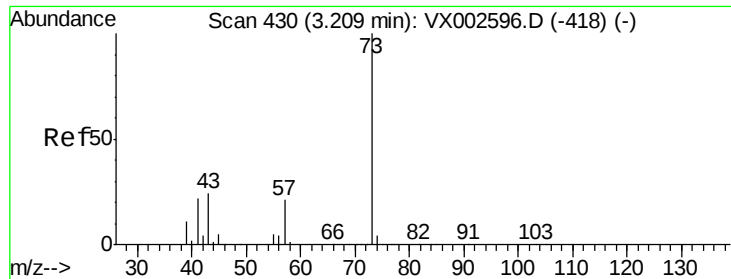
MMDadoda
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#18
Methyl Acetate
Concen: 20.03 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1





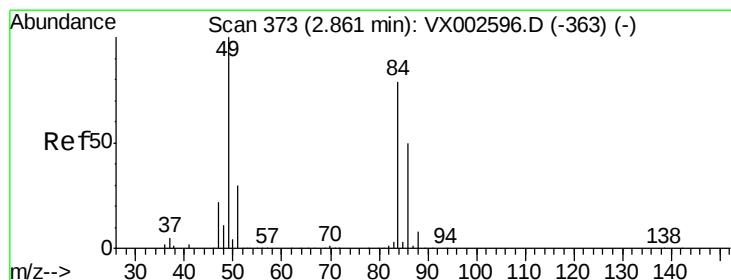
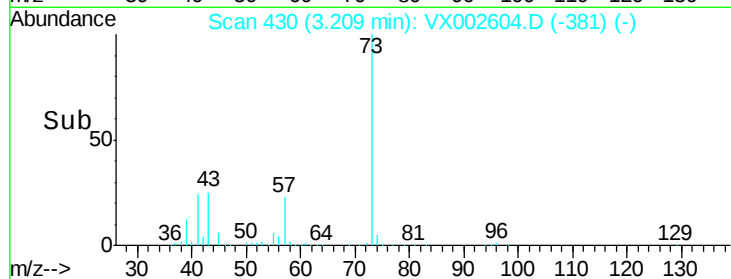
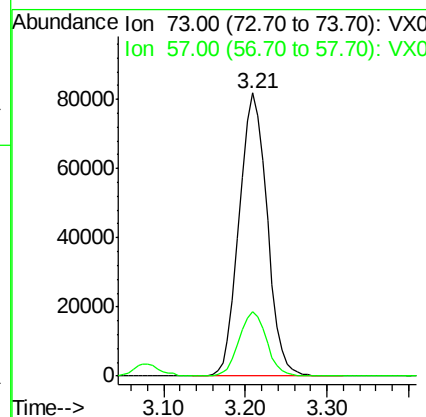
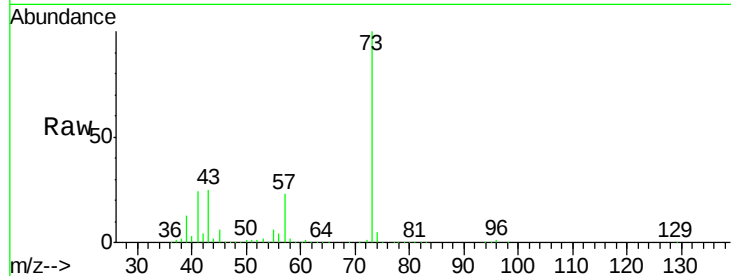
#19
Methvl tert-butvl Ether
Concen: 19.73 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion: 73 Resp: 193969
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5

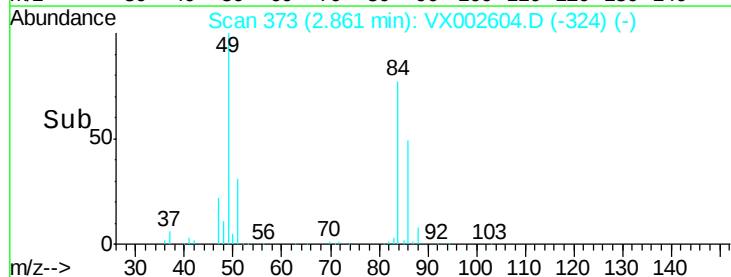
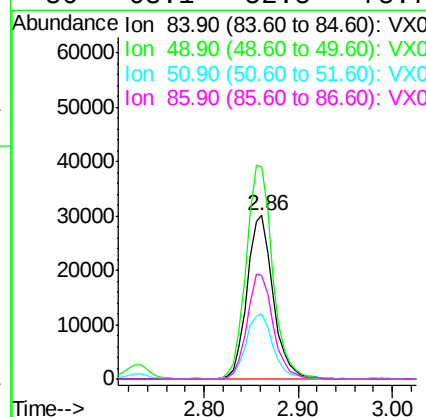
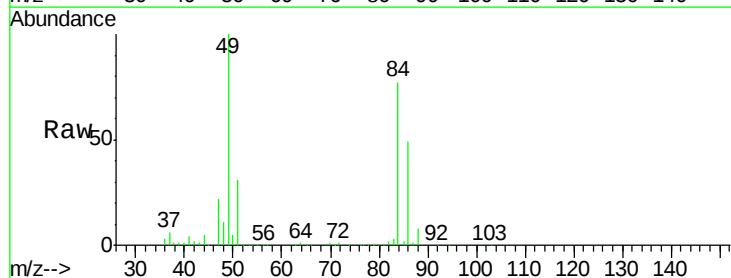
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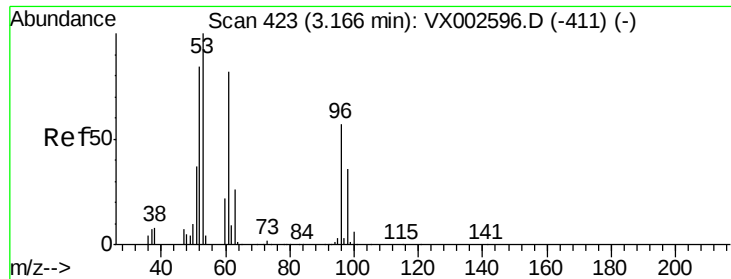
MMDadoda
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#20
Methylene Chloride
Concen: 18.11 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion: 84 Resp: 58413
Ion Ratio Lower Upper
84 100
49 129.8 107.8 161.6
51 39.3 32.8 49.2
86 63.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

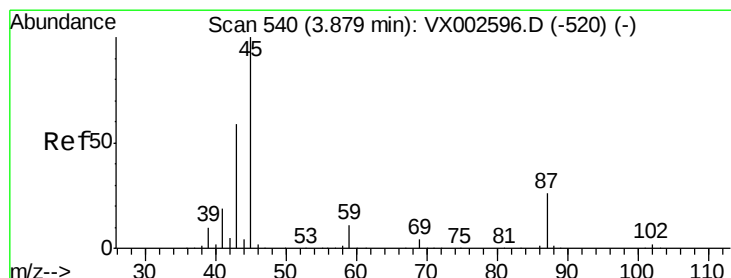
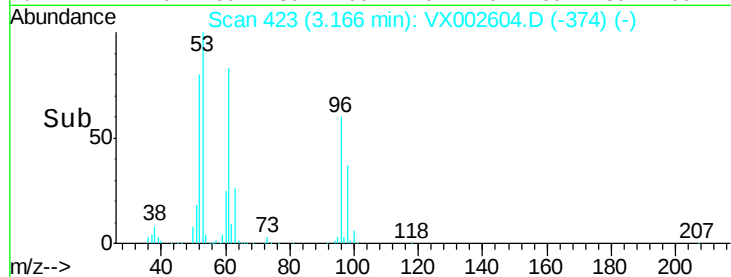
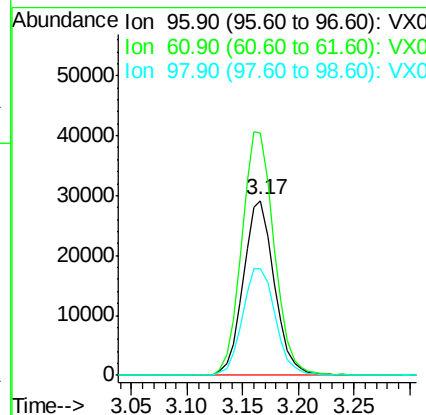
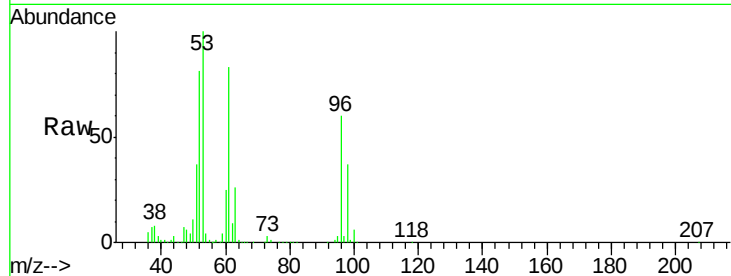
ClientSampleId :

VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	117.0	175.4
98	61.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.95 ug/l

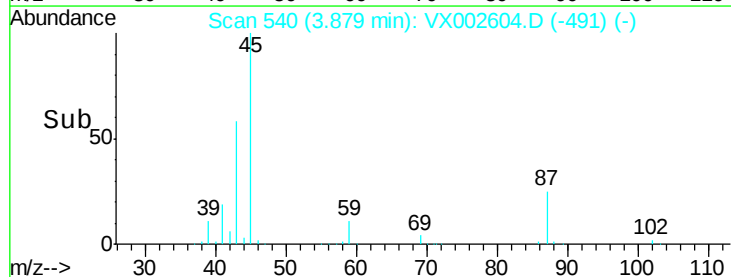
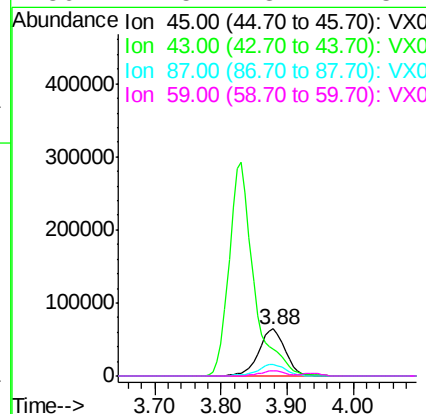
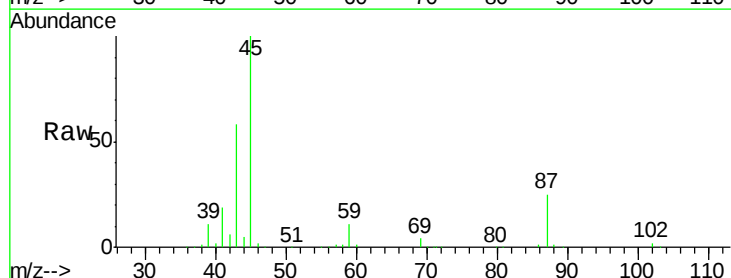
RT: 3.88 min Scan# 540

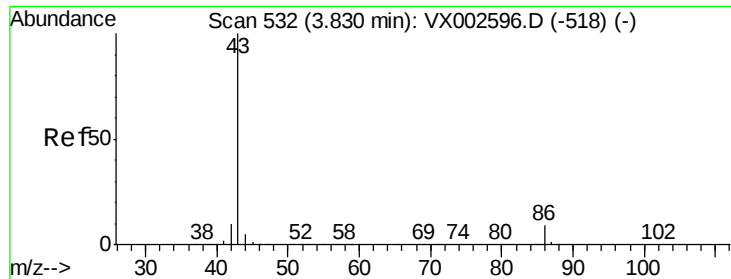
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.8	70.2
87	25.3	20.2	30.4
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 96.27 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 43 Resp: 758747

Ion Ratio Lower Upper

43 100

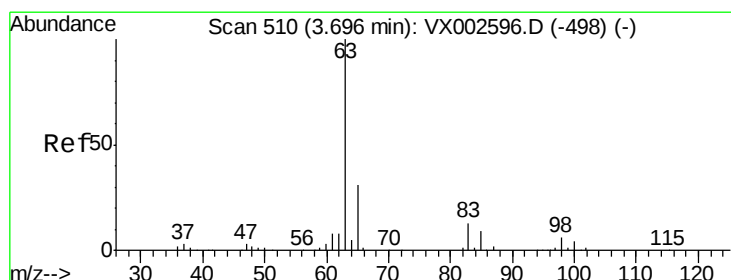
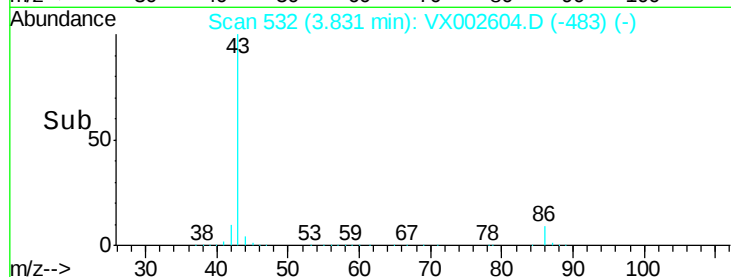
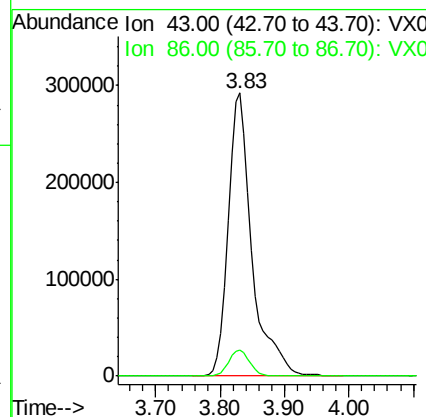
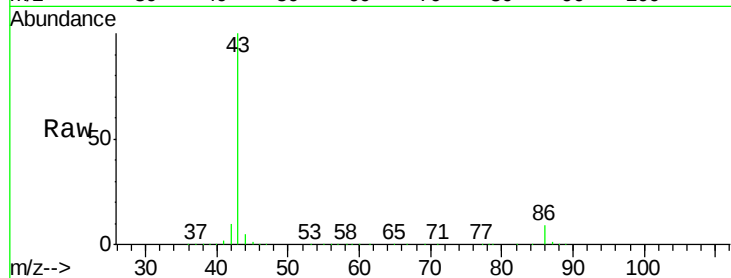
86 9.4 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

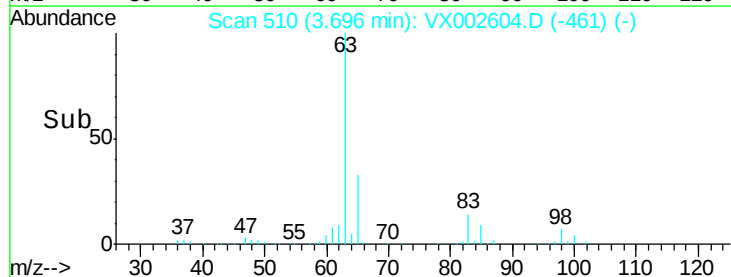
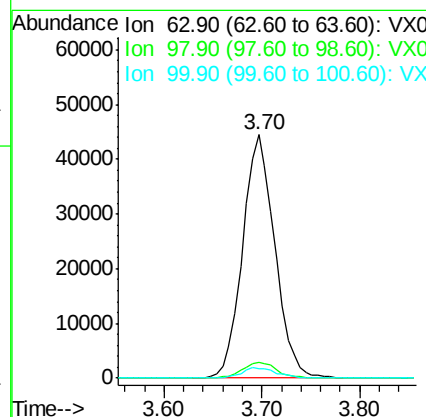
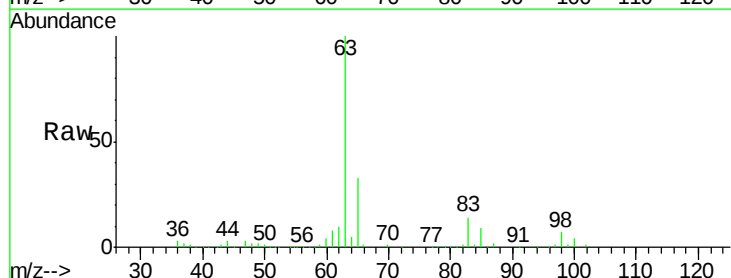
Tgt Ion: 63 Resp: 101623

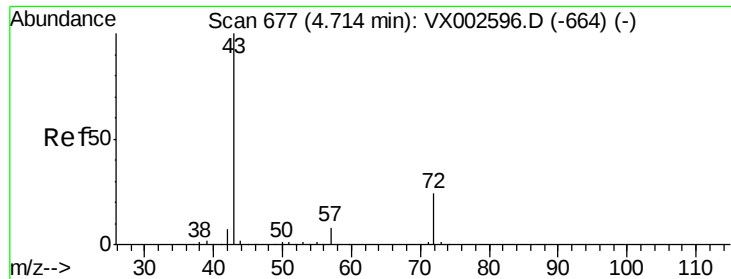
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 100.88 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 43 Resp: 208372

Ion Ratio Lower Upper

43 100

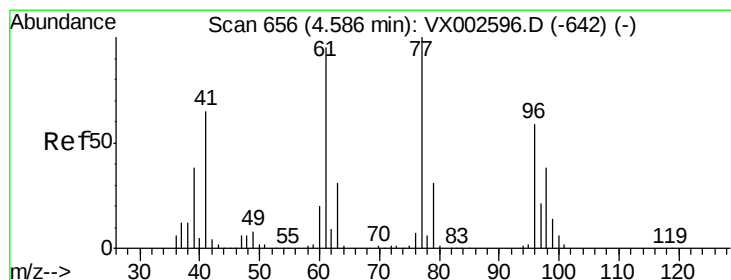
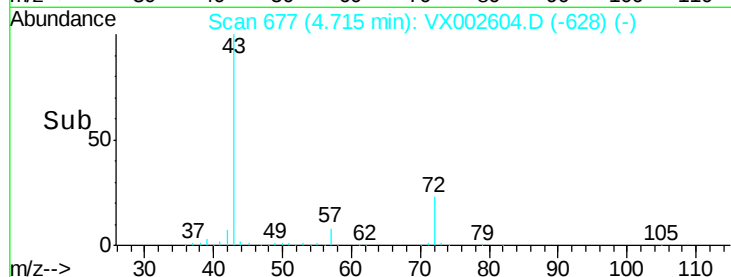
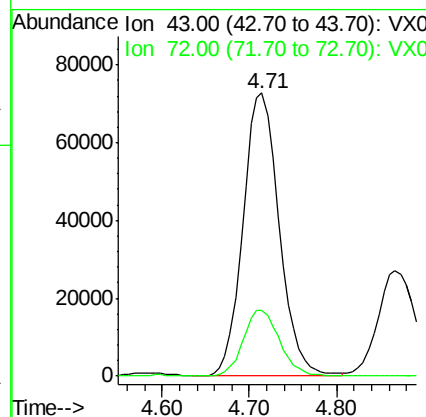
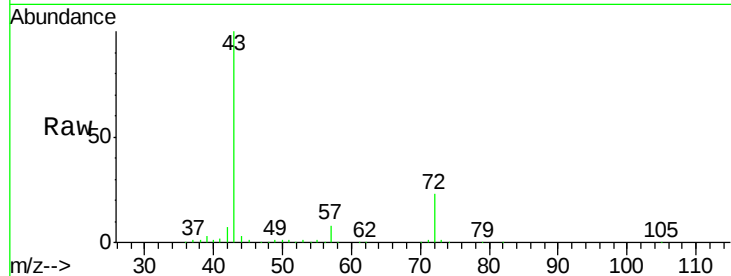
72 23.0 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.54 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002604.D

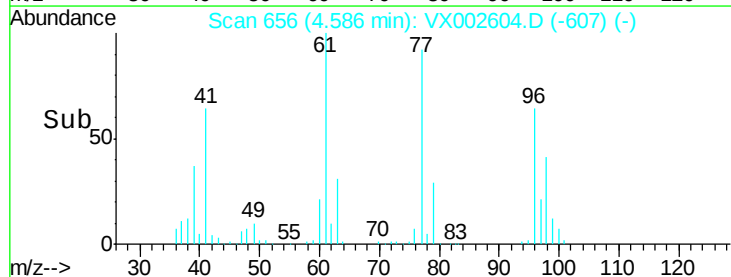
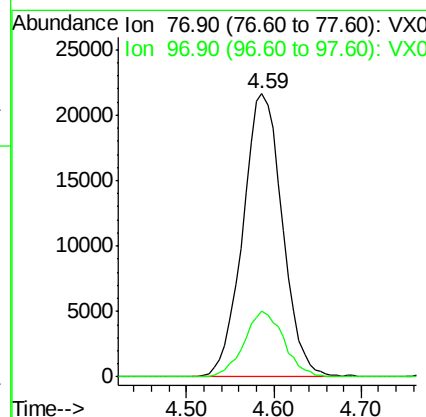
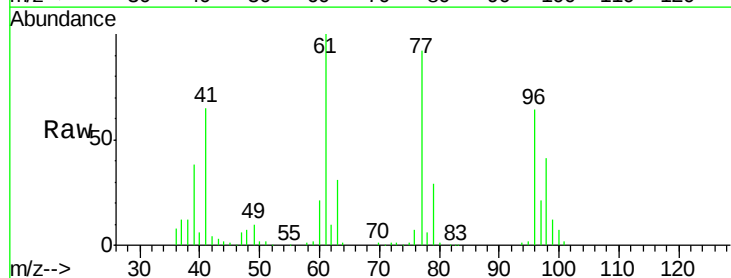
Acq: 15 Jun 2018 18:50

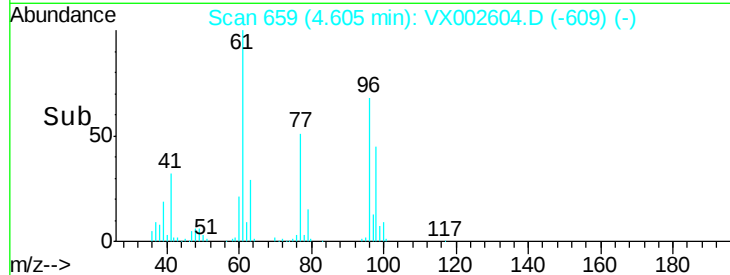
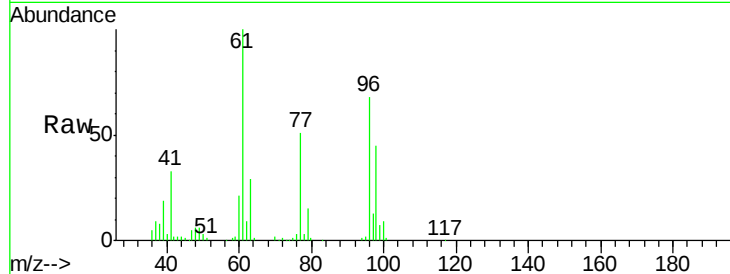
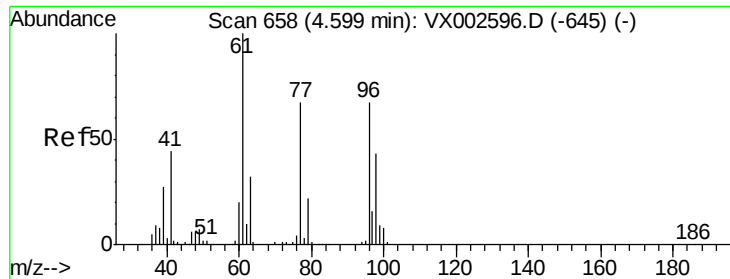
Tgt Ion: 77 Resp: 68098

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002604.D

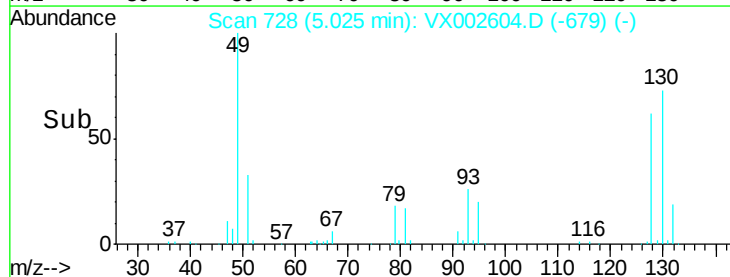
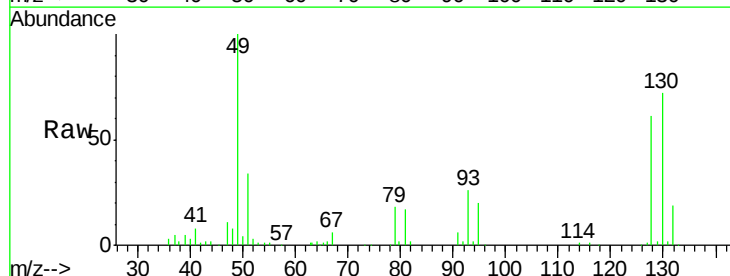
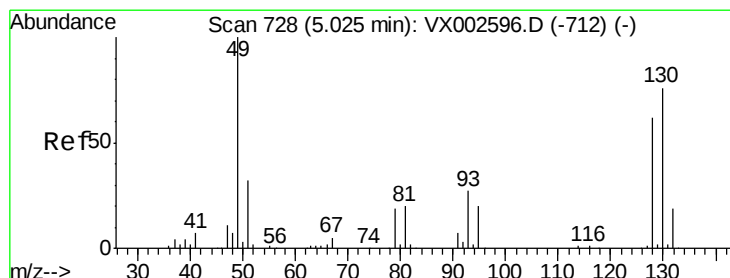
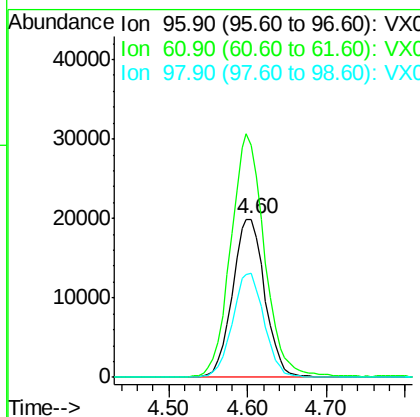
Acq: 15 Jun 2018 18:50

Tot Ion:	96	Resp:	56594
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	330.2
98	64.5	0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

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#28

Bromochloromethane

Concen: 19.54 ug/l

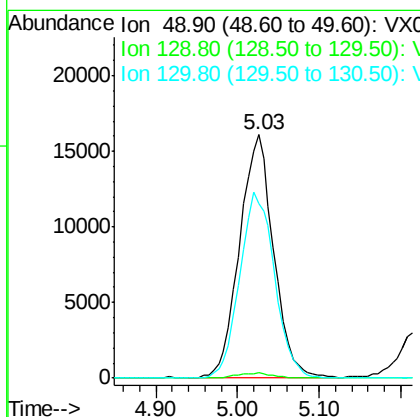
RT: 5.03 min Scan# 728

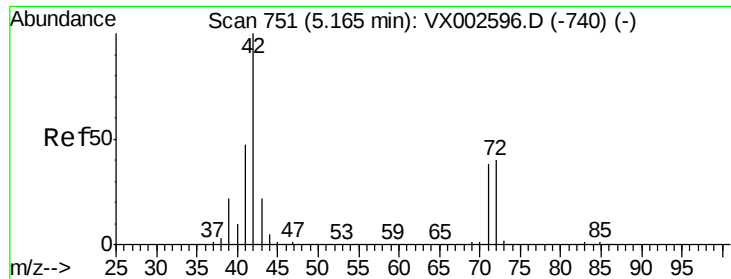
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	49	Resp:	46776
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.1	61.2	91.8





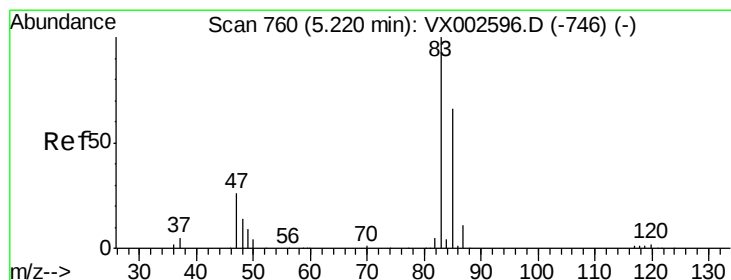
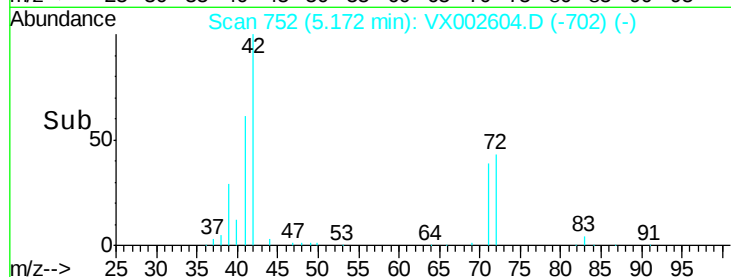
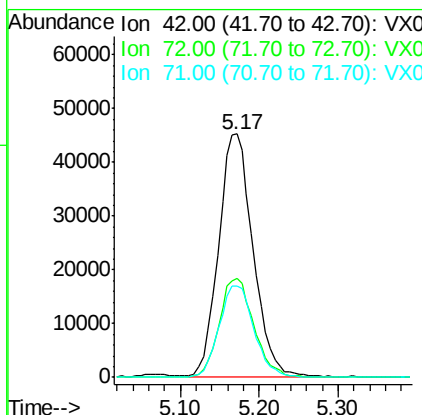
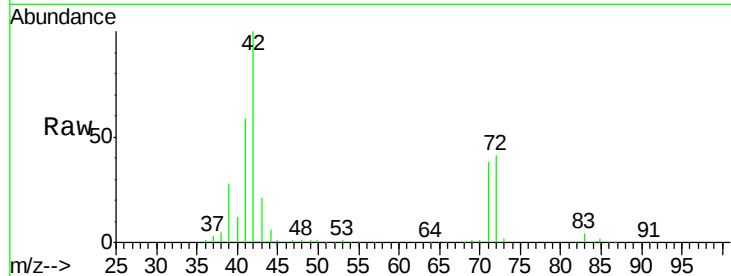
#29
Tetrahydrofuran
Concen: 100.84 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	38.4	30.1	45.1

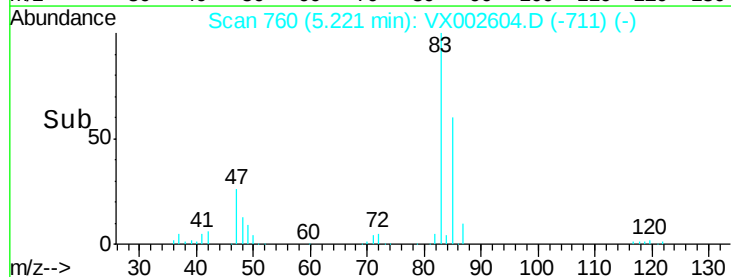
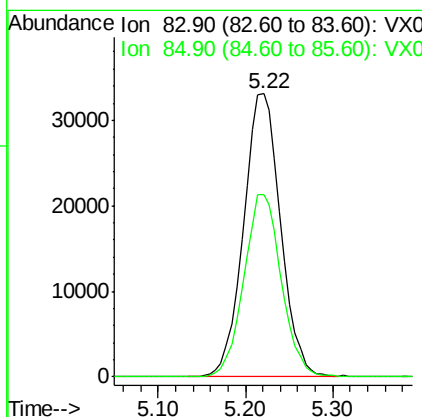
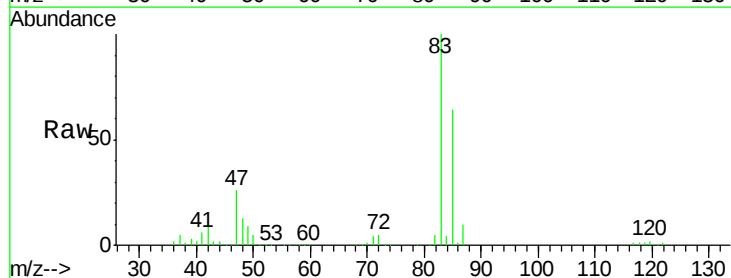
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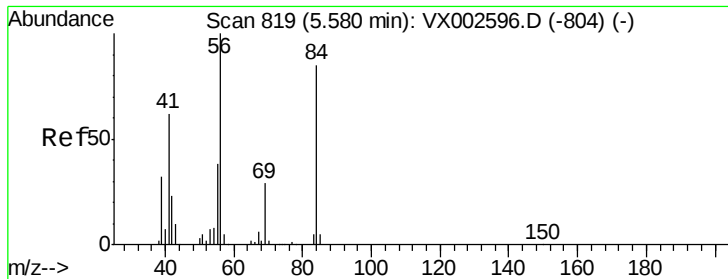
MMDadoda
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#30
Chloroform
Concen: 19.79 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 19.84 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

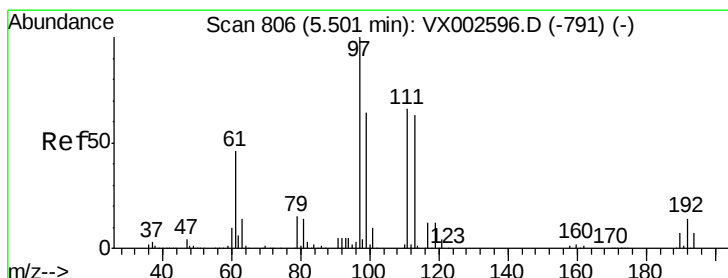
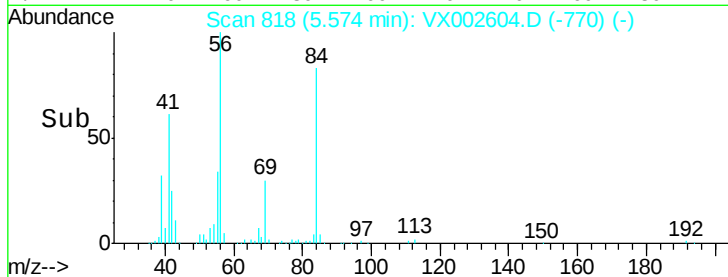
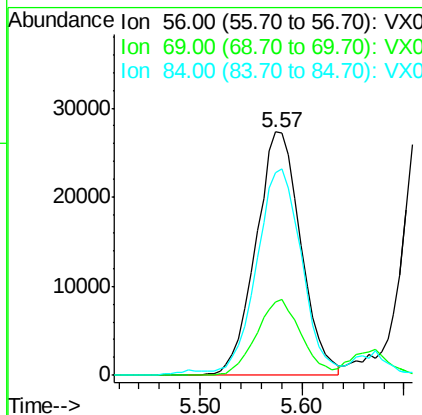
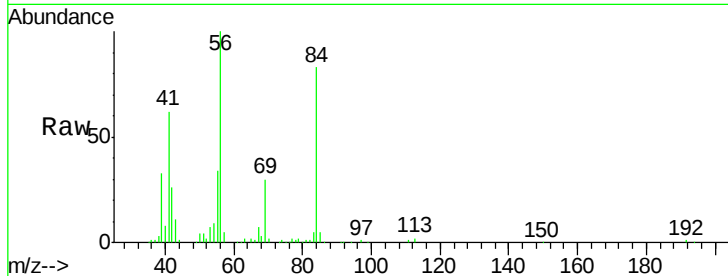
ClientSampleId :

VX0615WBSD01

Tot Ion:	56	Resp:	83475
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	81.3	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 20.18 ug/l

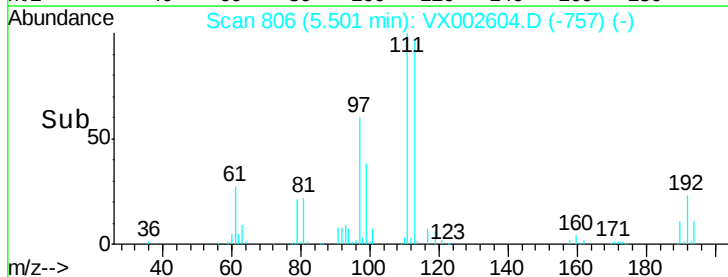
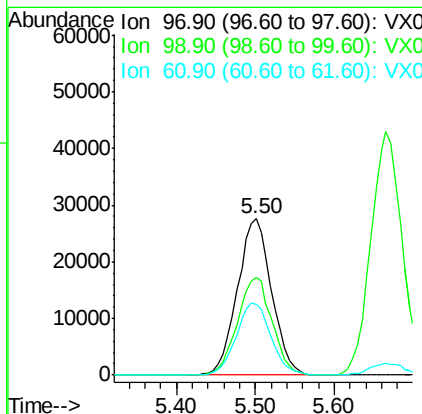
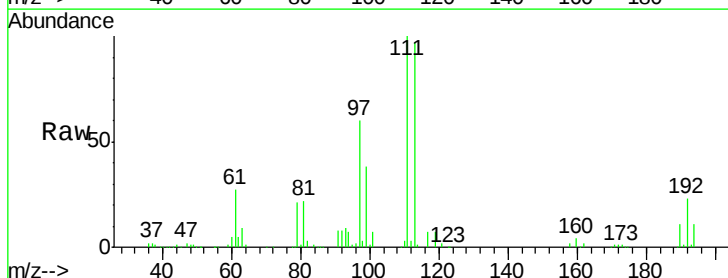
RT: 5.50 min Scan# 806

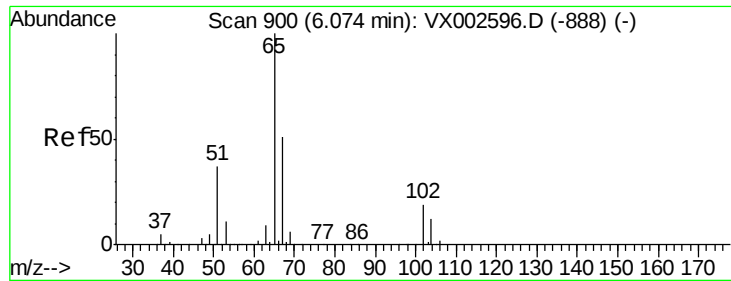
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	97	Resp:	83170
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	46.9	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 48.05 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tot Ion: 65 Resp: 171310

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.6

Instrument :

MSVOA_X

ClientSampled :

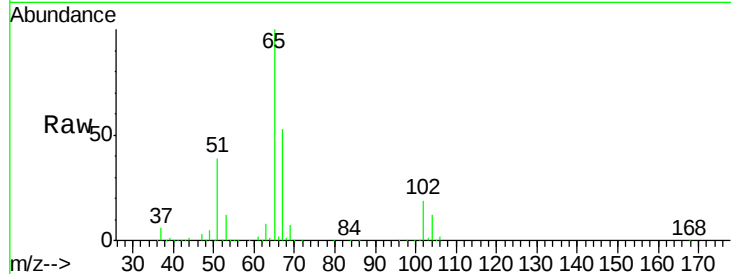
VX0615WBSD01

Manual Integrations

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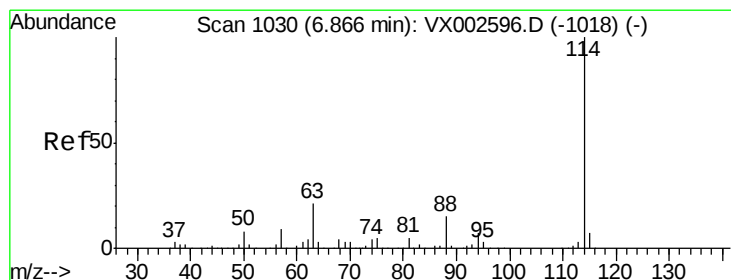
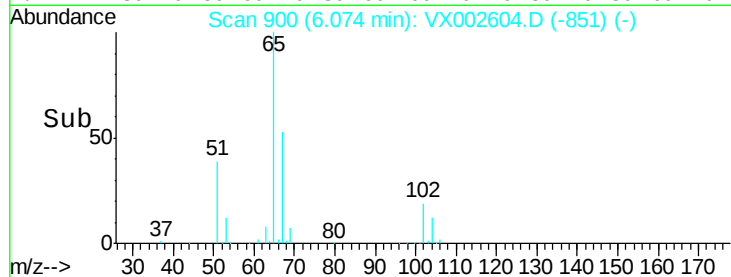
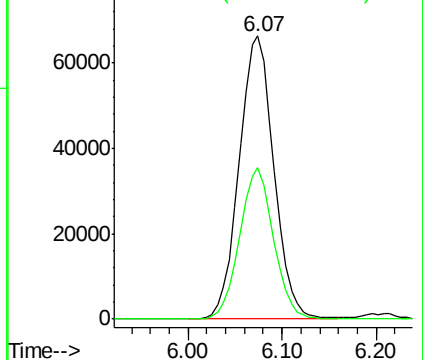
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

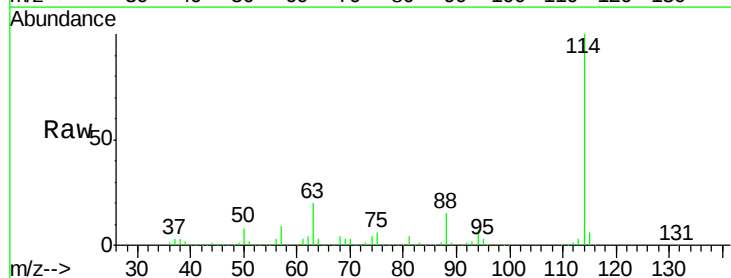
Tgt Ion: 114 Resp: 335294

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

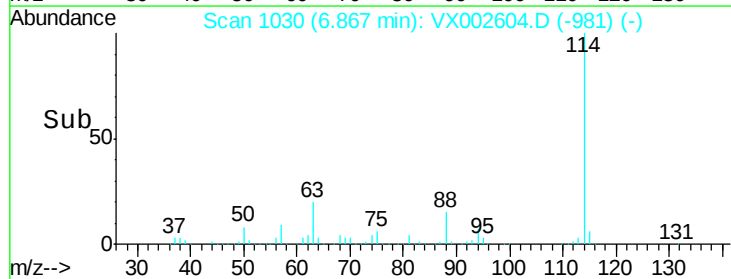
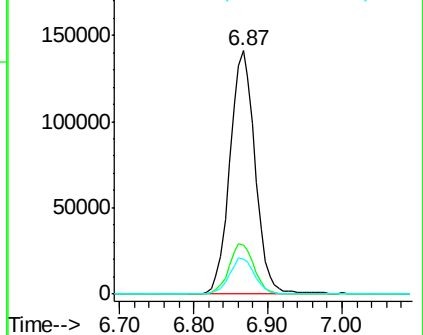
88 14.6 0.0 30.0

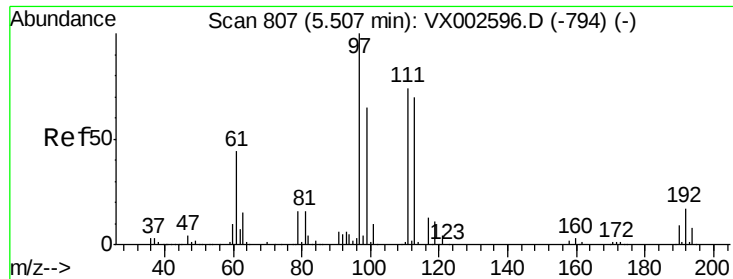


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.70 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

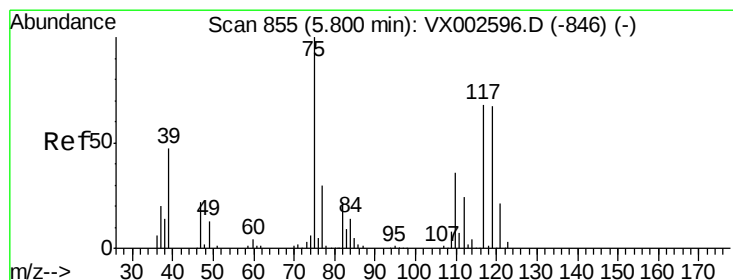
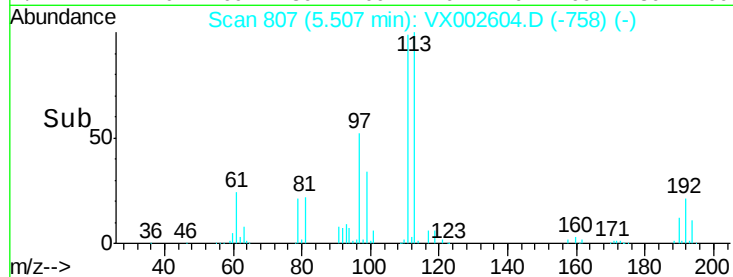
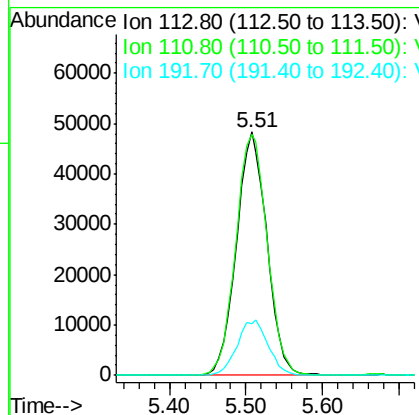
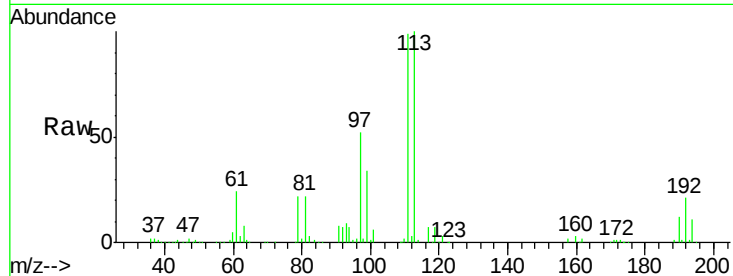
ClientSampleId :

VX0615WBSD01

Tot Ion:	113	Resp:	132989
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	23.2	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 19.63 ug/l

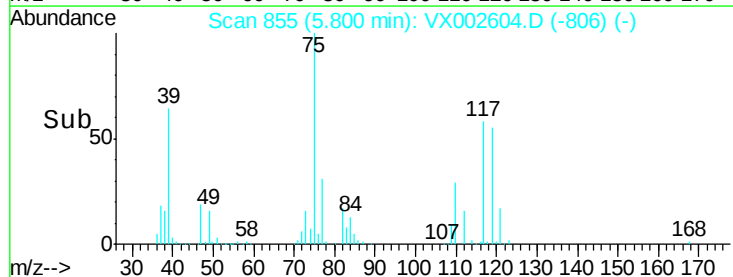
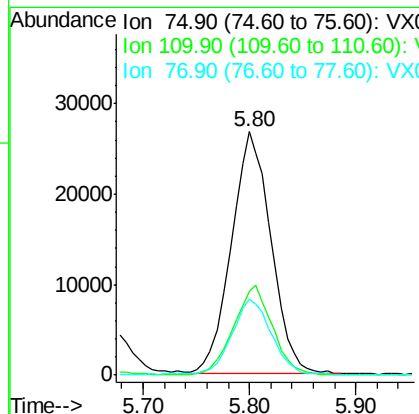
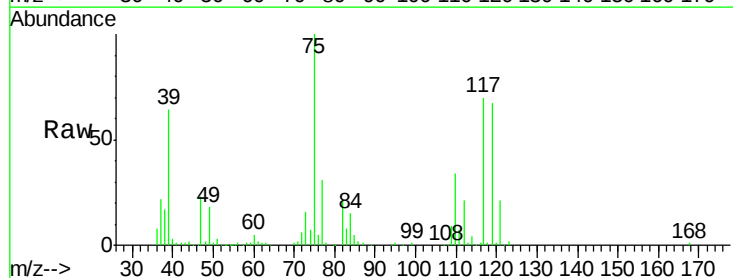
RT: 5.80 min Scan# 855

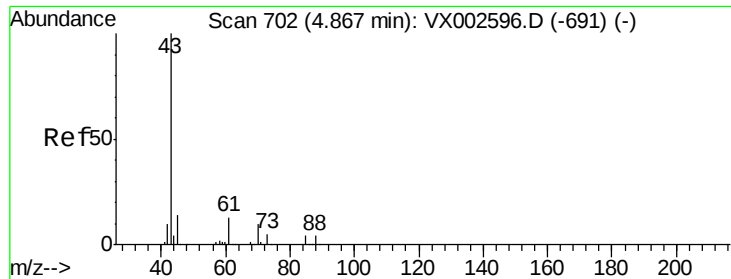
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	75	Resp:	69912
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	31.8	24.3	36.5





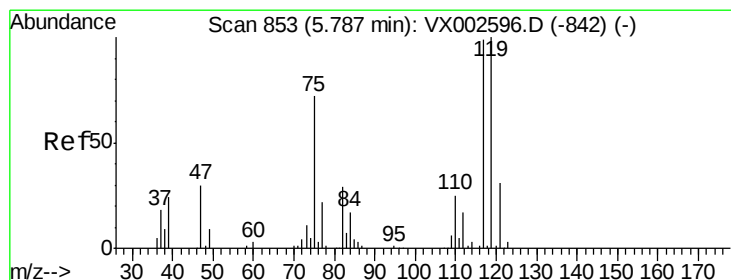
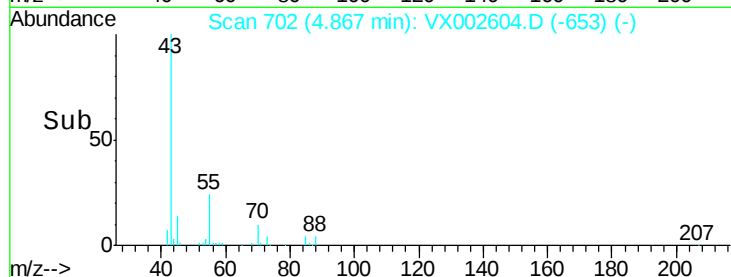
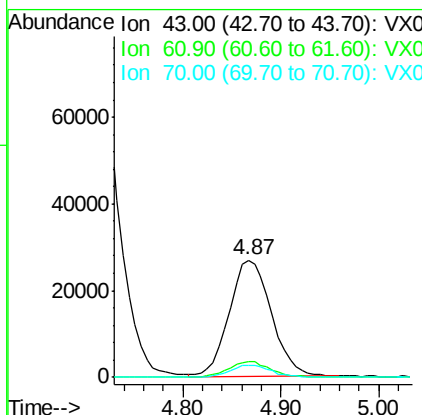
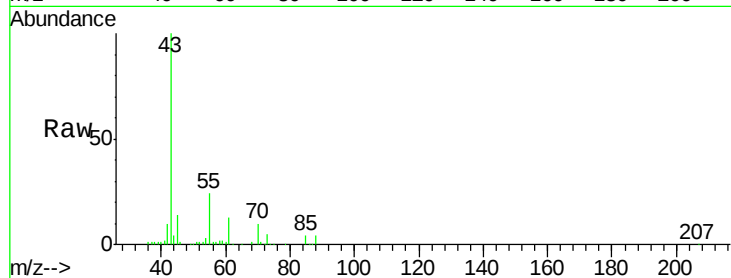
#37
Ethyl Acetate
Concen: 19.84 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.2	7.6	11.4

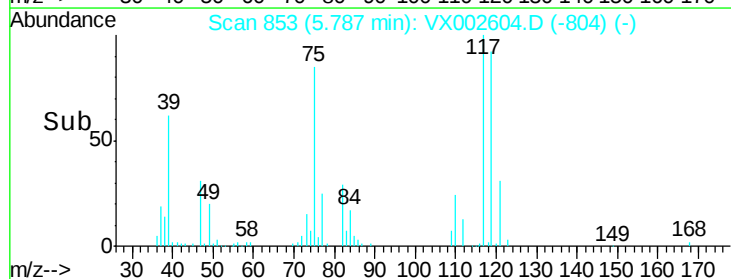
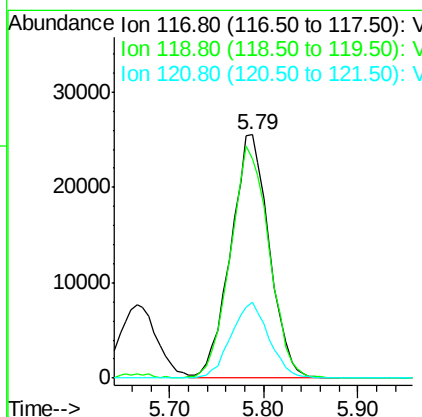
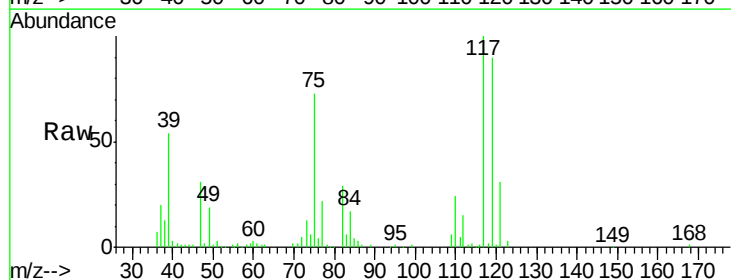
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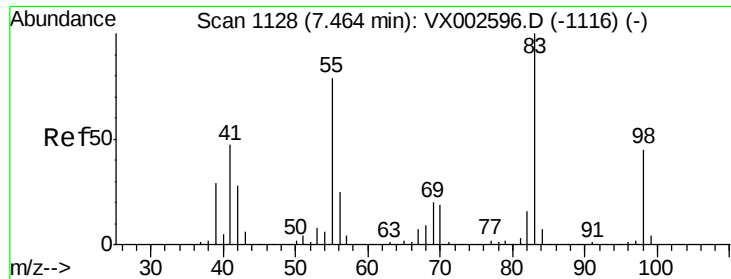
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#38
Carbon Tetrachloride
Concen: 20.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	77.4	116.0
121	31.0	24.4	36.6





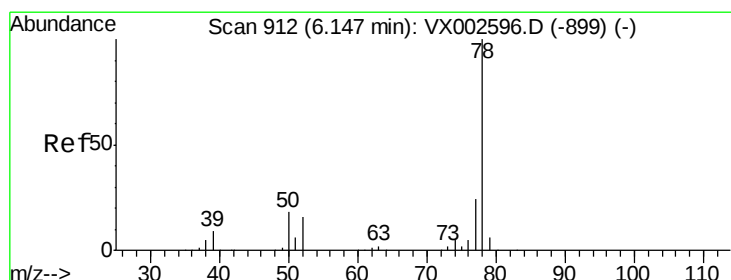
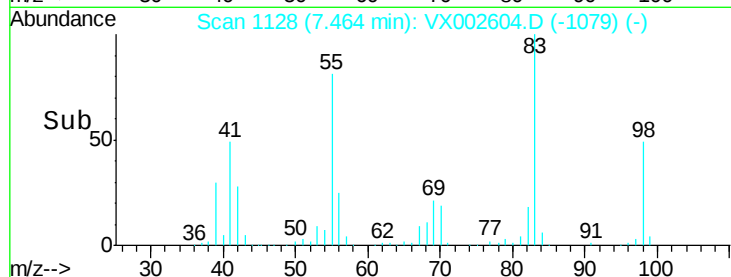
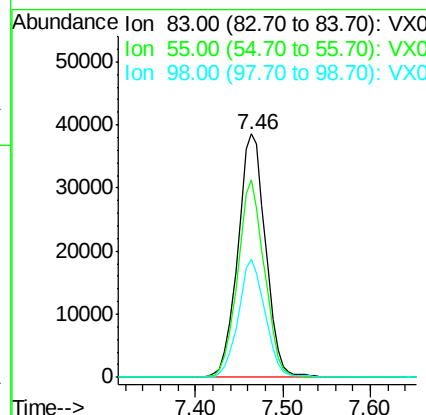
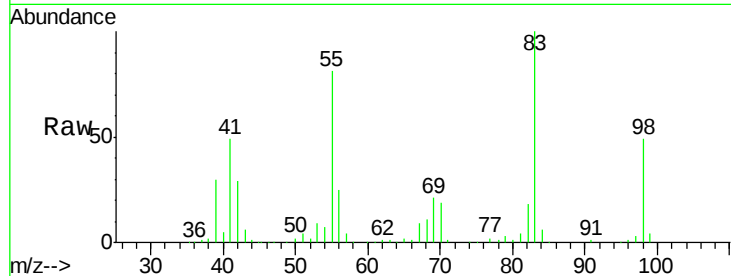
#39
Methvlcvclohexane
Concen: 20.40 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.4	98.0
98	48.6	37.4	56.0

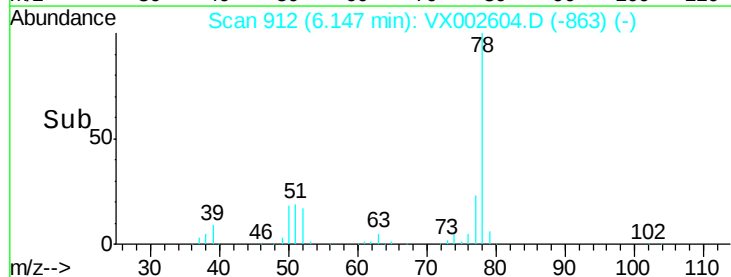
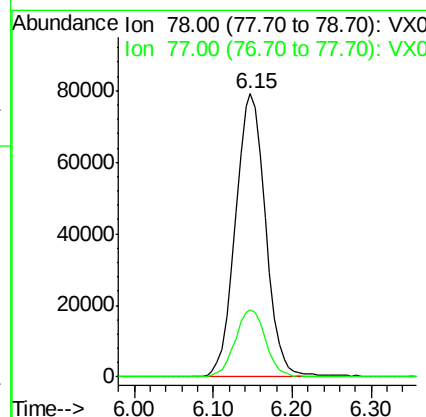
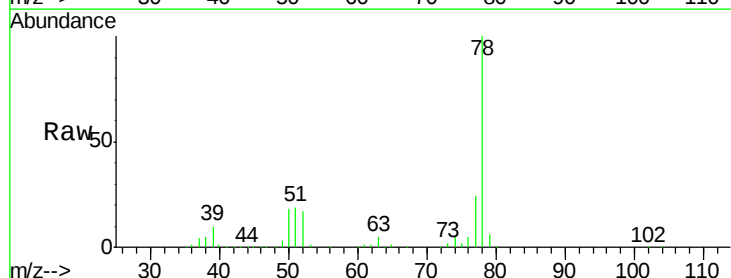
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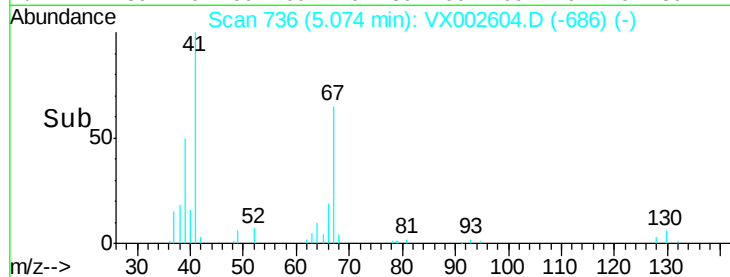
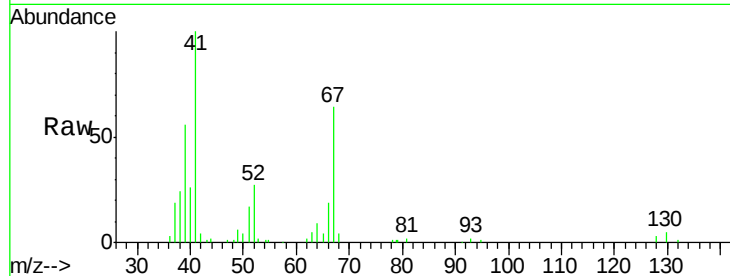
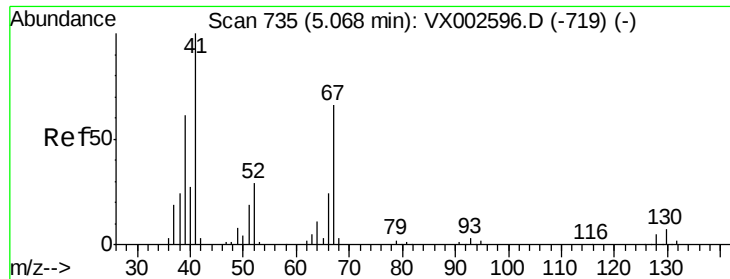
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#40
Benzene
Concen: 19.68 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 19.91 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX002604.D

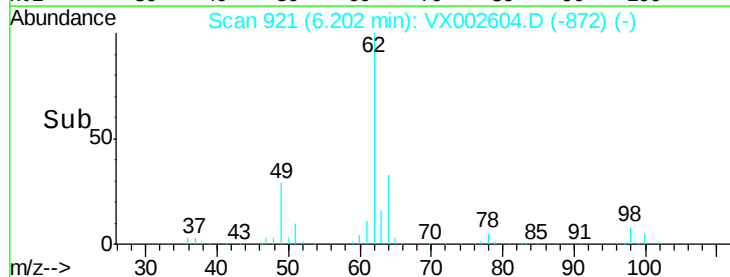
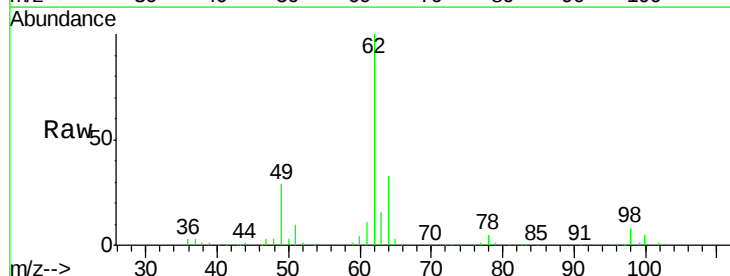
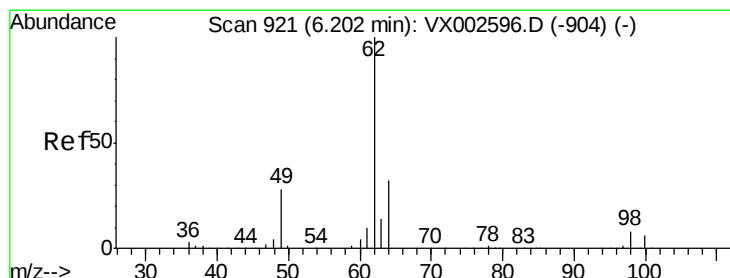
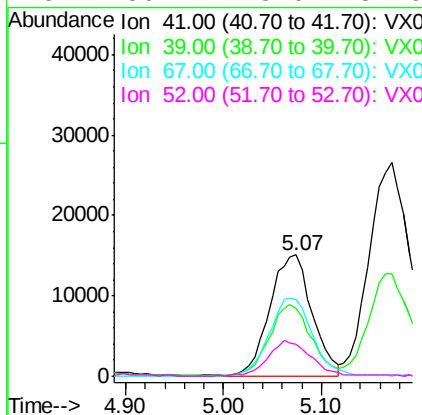
Acq: 15 Jun 2018 18:50

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	45.8	68.6	
67	66.4	51.3	76.9	
52	30.4	23.0	34.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.99 ug/l

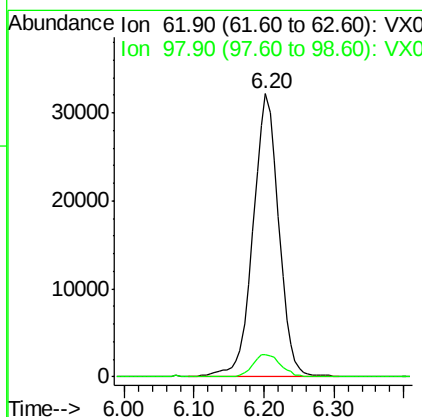
RT: 6.20 min Scan# 921

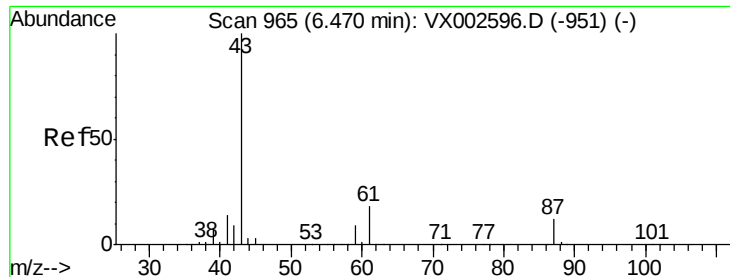
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





#43

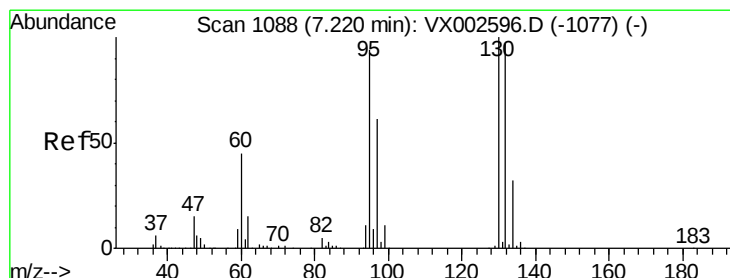
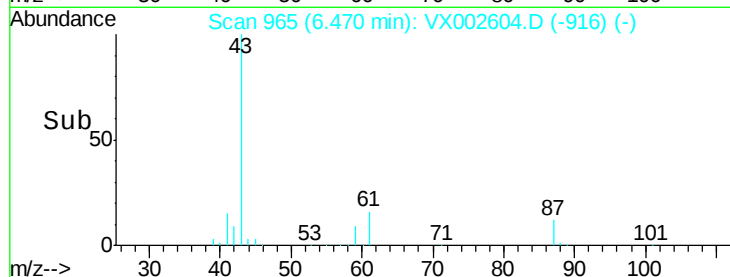
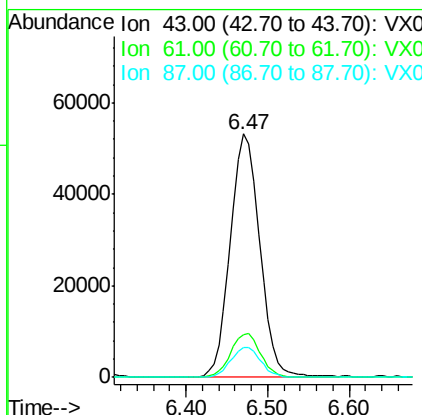
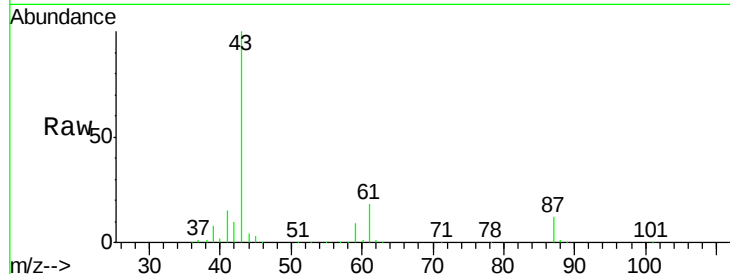
Isopropyl Acetate
 Concen: 19.92 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.6	9.5	14.3

Manual Integrations
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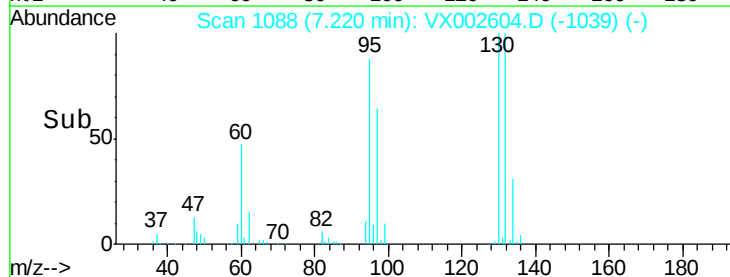
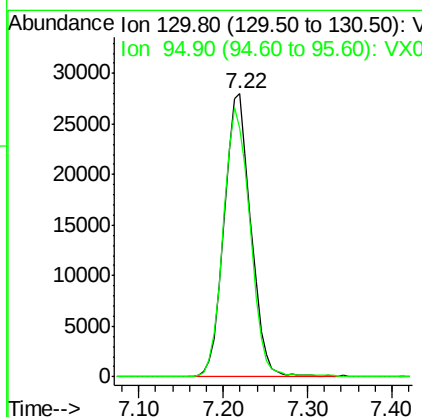
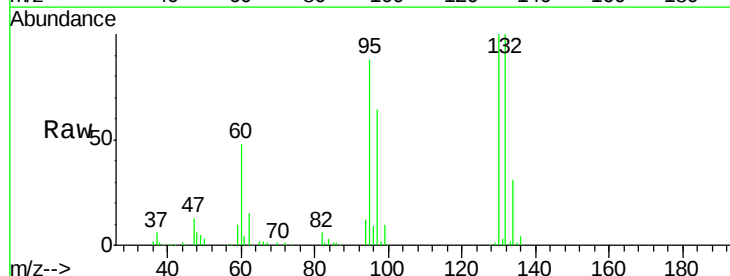
MMDadoda
 6/18/2018 5:12:03 PM



#44

Trichloroethene
 Concen: 19.70 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.89 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 63 Resp: 55898

Ion Ratio Lower Upper

63 100

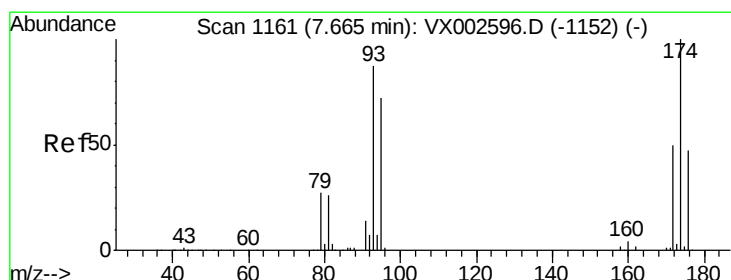
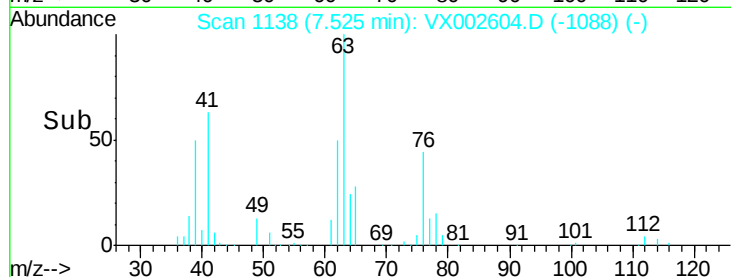
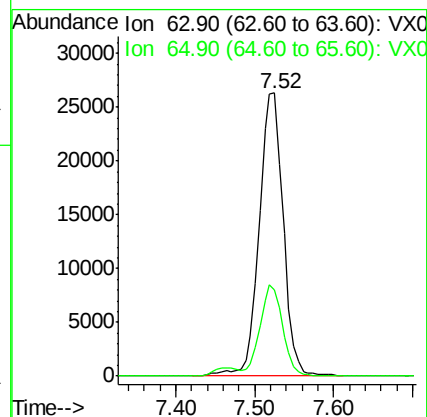
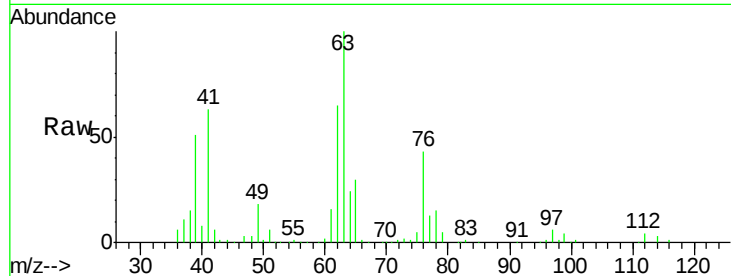
65 30.4 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.18 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

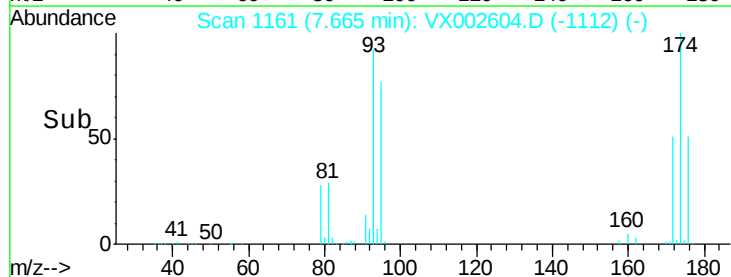
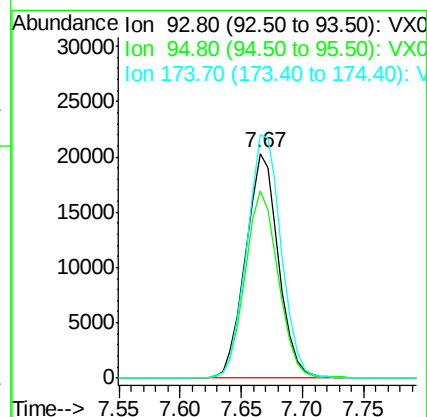
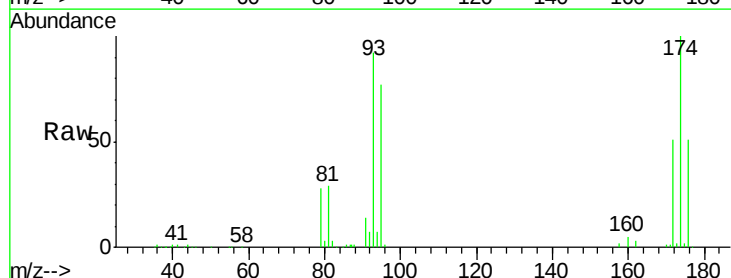
Tgt Ion: 93 Resp: 37929

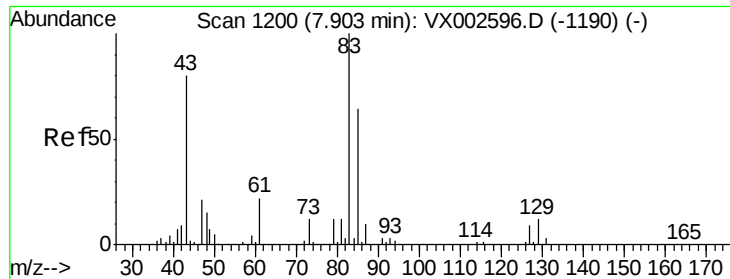
Ion Ratio Lower Upper

93 100

95 84.2 65.9 98.9

174 113.2 92.4 138.6





#47

Bromodichloromethane

Concen: 19.93 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

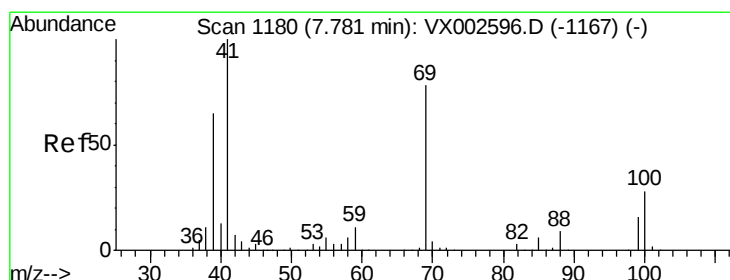
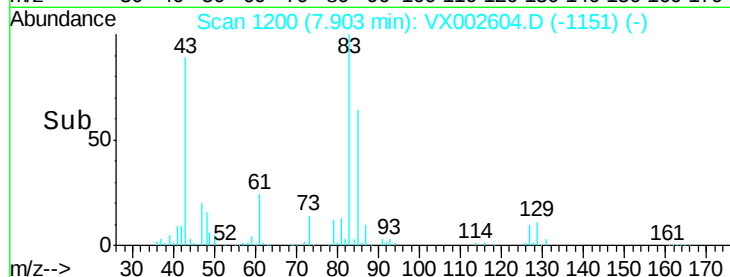
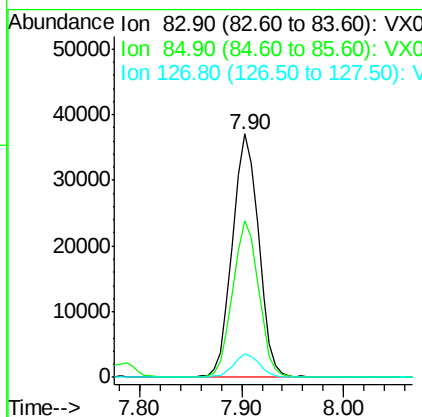
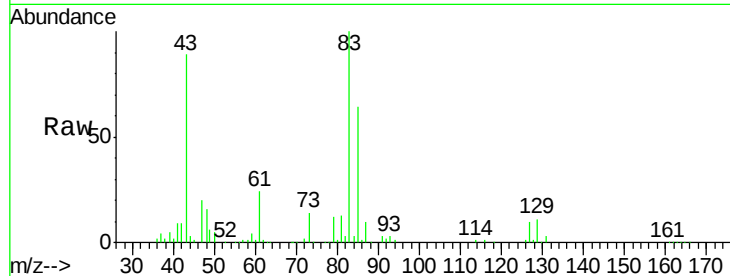
ClientSampleId :

VX0615WBSD01

Tot Ion:	83	Resp:	66091
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.80 ug/l

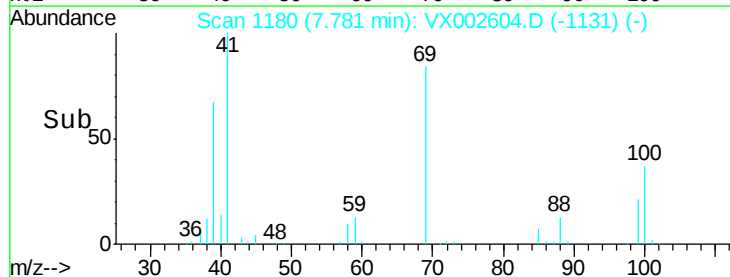
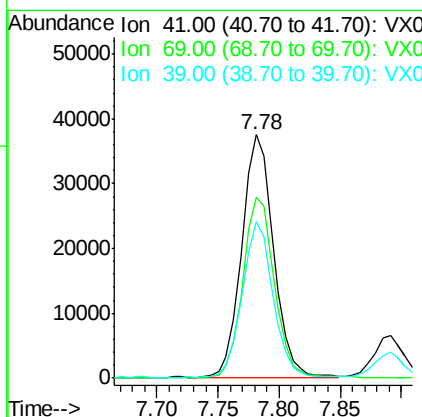
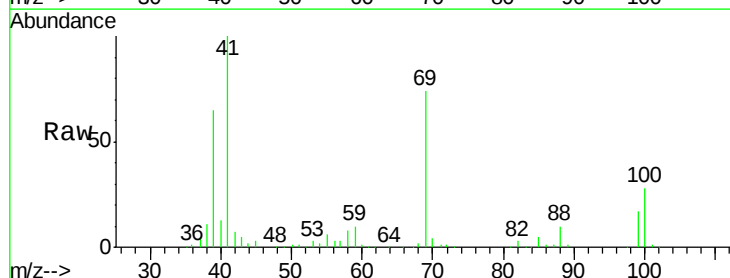
RT: 7.78 min Scan# 1180

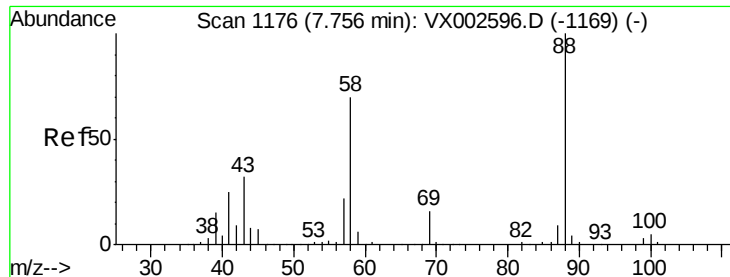
Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	41	Resp:	67571
Ion	Ratio	Lower	Upper
41	100		
69	75.1	59.1	88.7
39	62.1	48.9	73.3





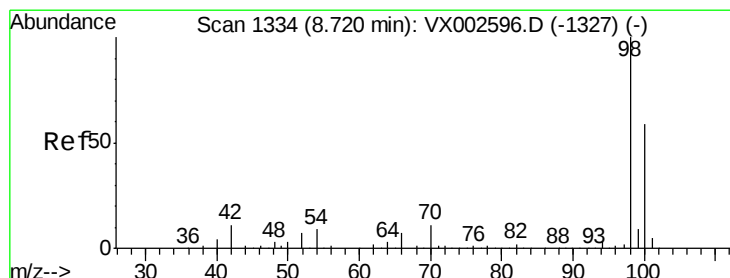
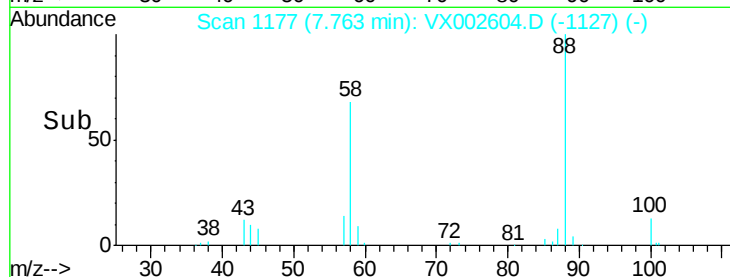
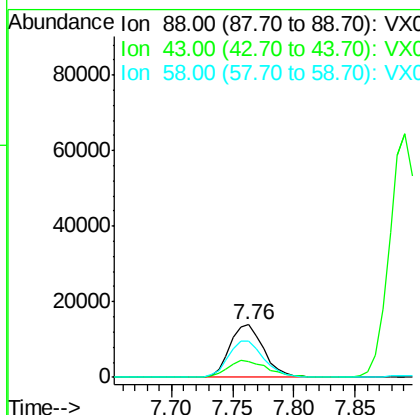
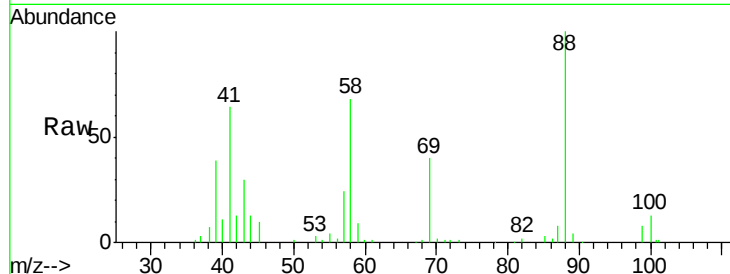
#49
1,4-Dioxane
Concen: 415.06 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.6
58	72.6	57.1	85.7

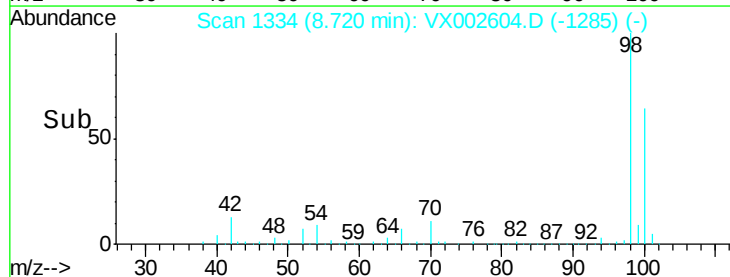
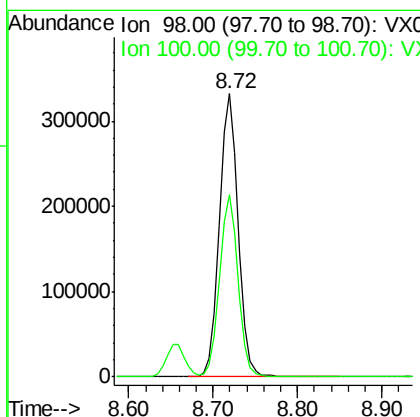
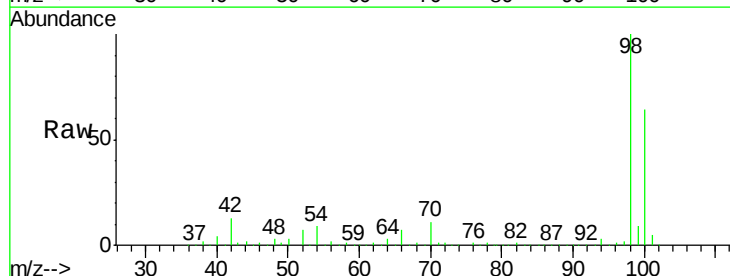
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 50.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





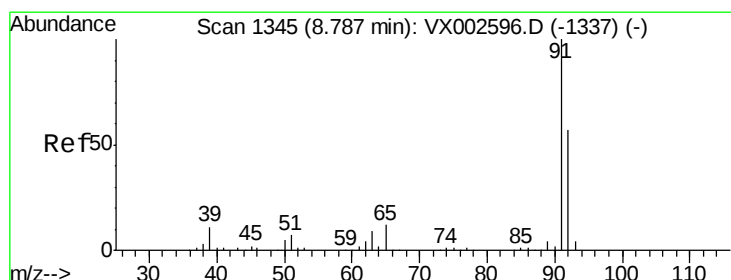
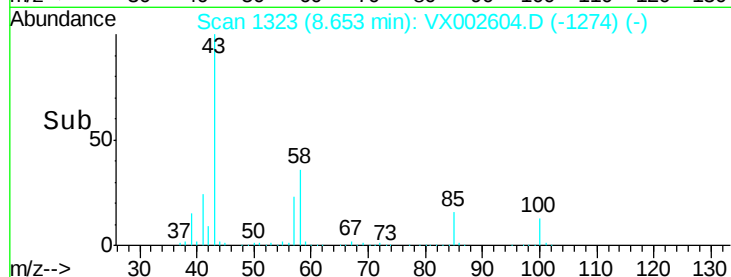
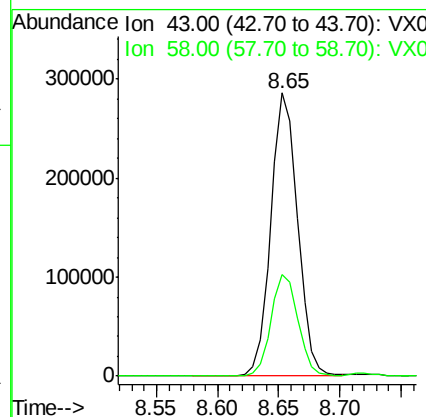
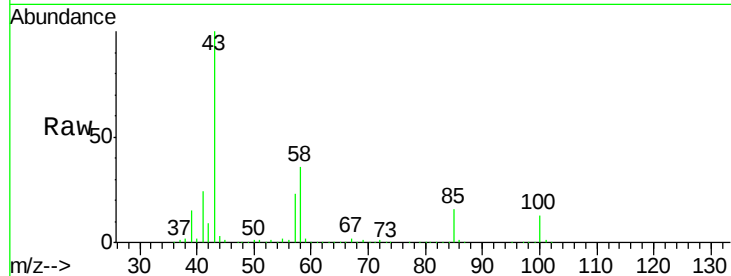
#51
4-Methyl-2-Pentanone
Concen: 101.61 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion: 43 Resp: 435673
Ion Ratio Lower Upper
43 100
58 36.1 28.6 42.8

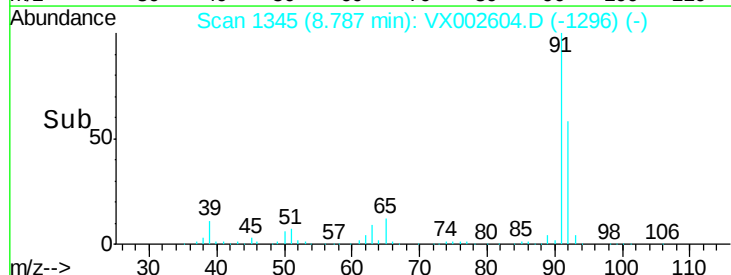
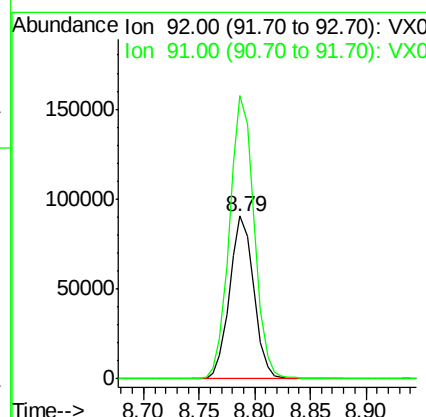
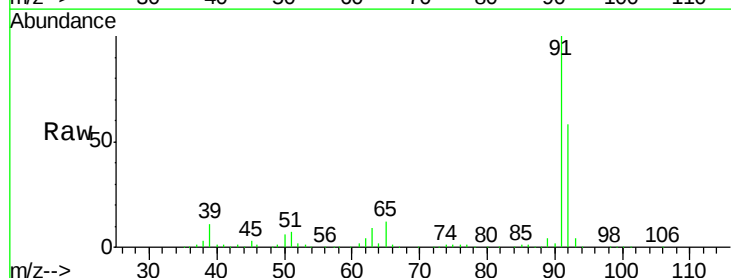
Manual Integrations
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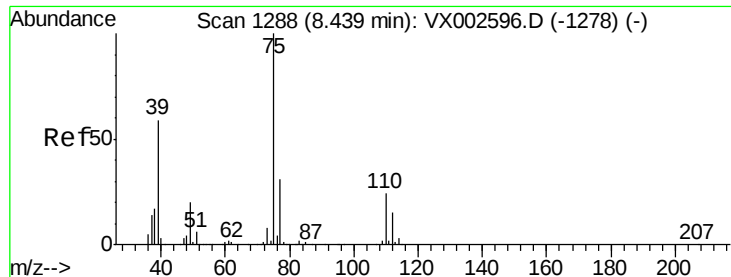
MMDadoda
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#52
Toluene
Concen: 20.09 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion: 92 Resp: 136819
Ion Ratio Lower Upper
92 100
91 176.3 140.4 210.6





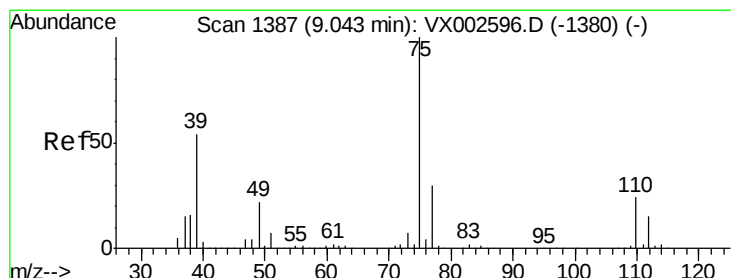
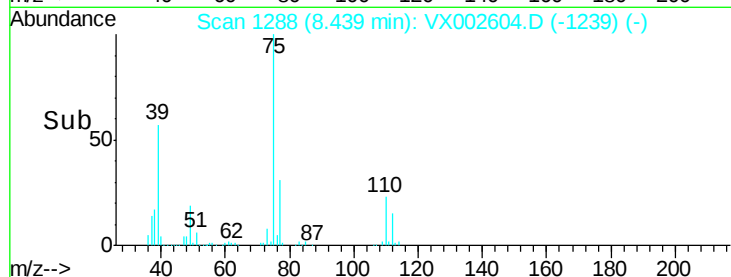
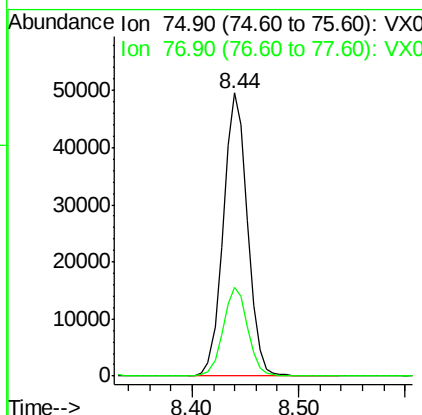
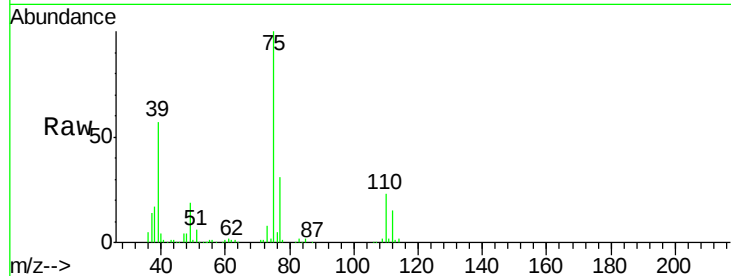
#53
t-1,3-Dichloropropene
Concen: 19.44 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion: 75 Resp: 78588
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

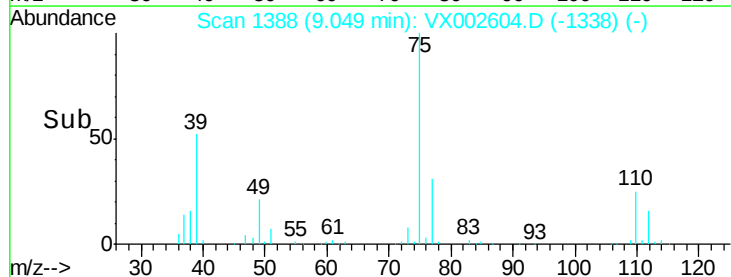
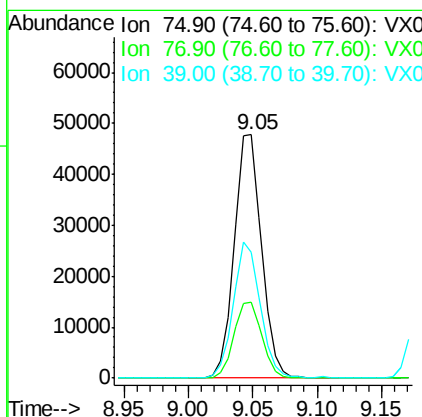
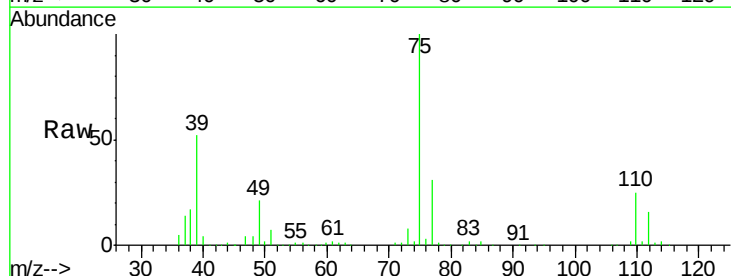
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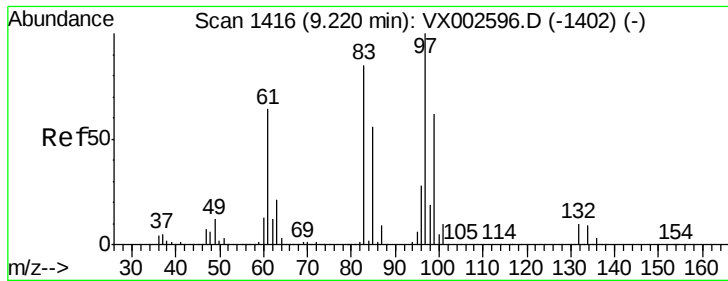
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.99 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion: 75 Resp: 70598
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 51.5 42.4 63.6





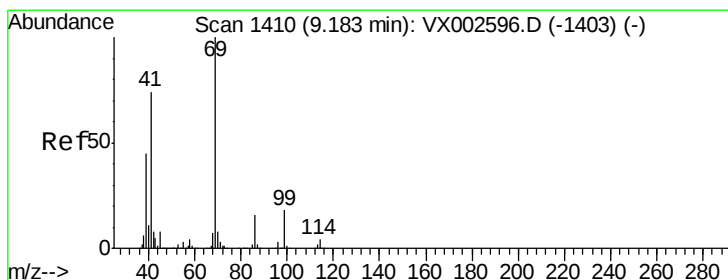
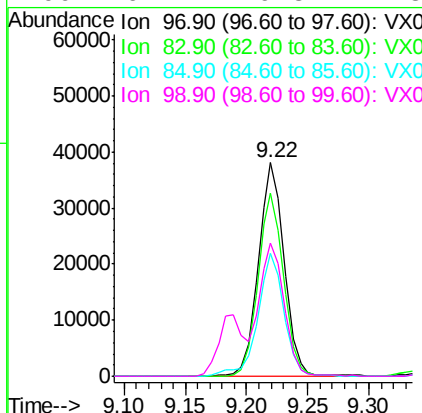
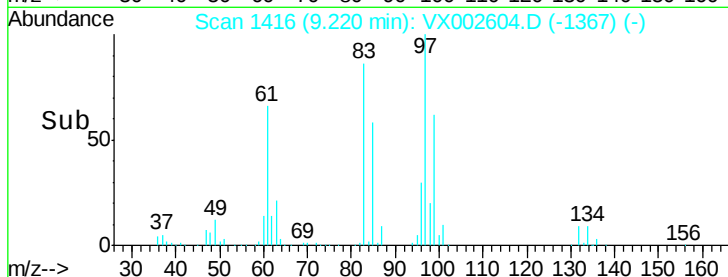
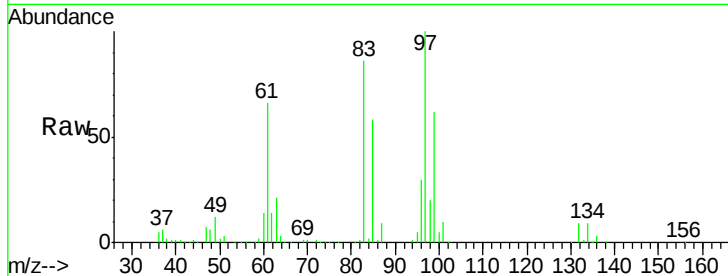
#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion:	97	Resp:	56097
Ion Ratio	Lower	Upper	
97	100		
83	85.7	70.2	105.2
85	57.6	44.9	67.3
99	62.2	49.8	74.8

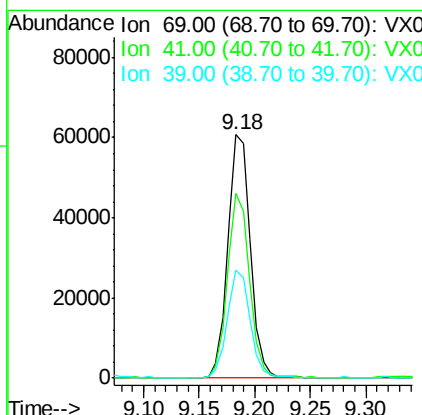
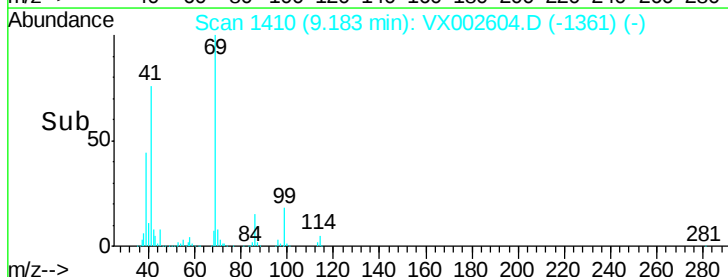
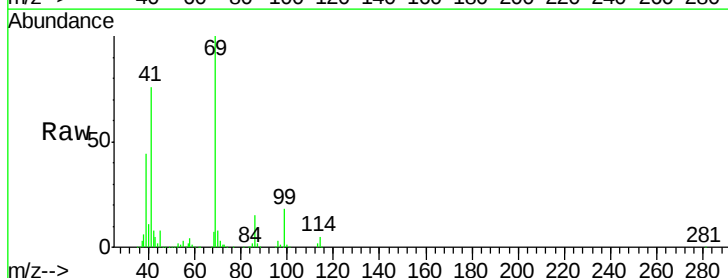
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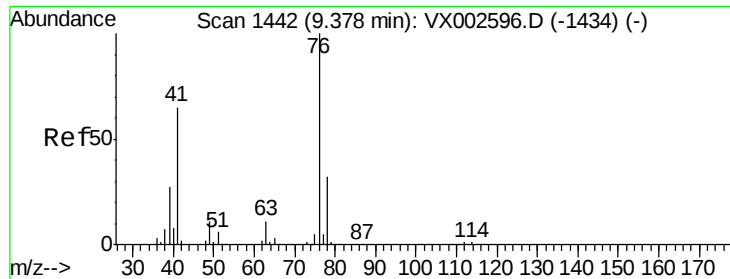
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#56
 Ethyl methacrylate
 Concen: 20.12 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion:	69	Resp:	85224
Ion Ratio	Lower	Upper	
69	100		
41	74.2	60.3	90.5
39	44.7	35.8	53.8





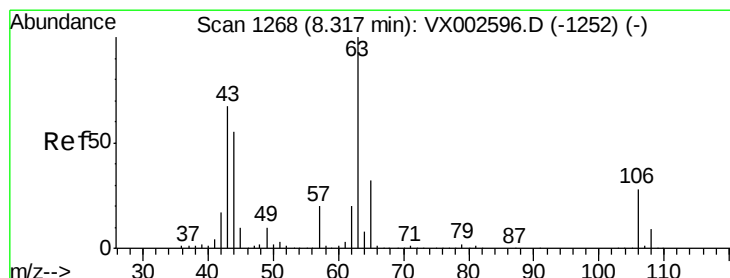
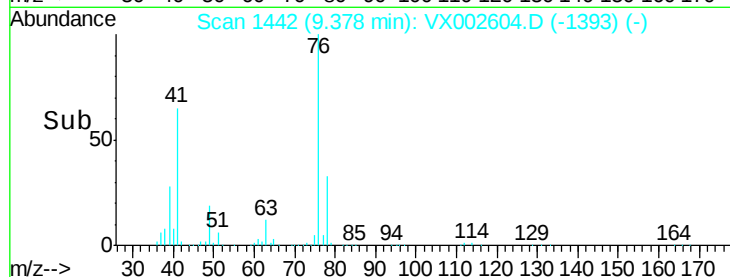
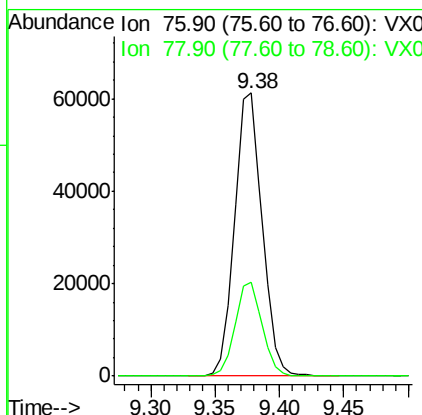
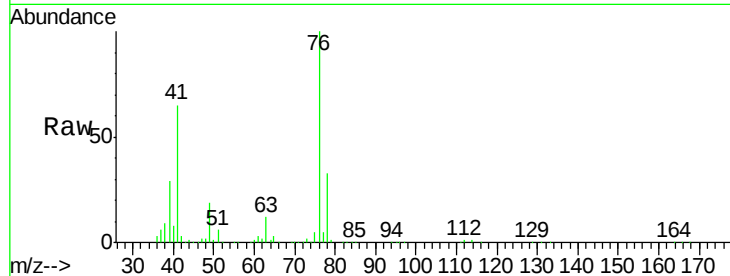
#57
 1,3-Dichloropropane
 Concen: 19.59 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampled :
 VX0615WBSD01

Tot Ion: 76 Resp: 91173
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

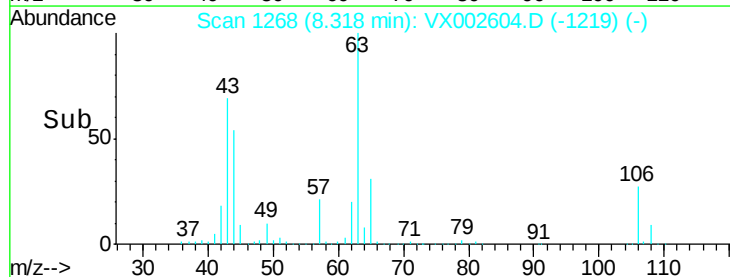
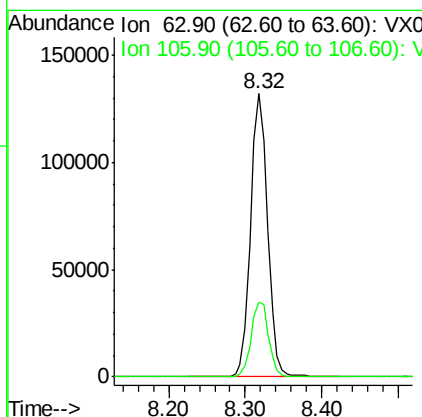
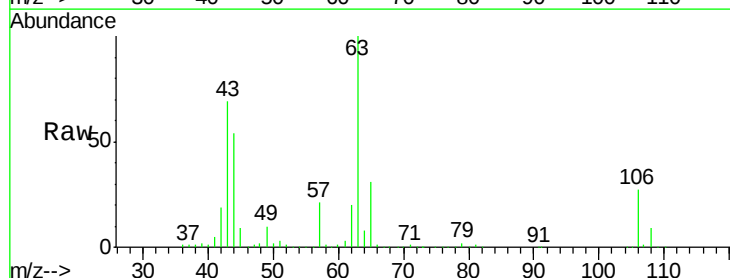
Manual Integrations
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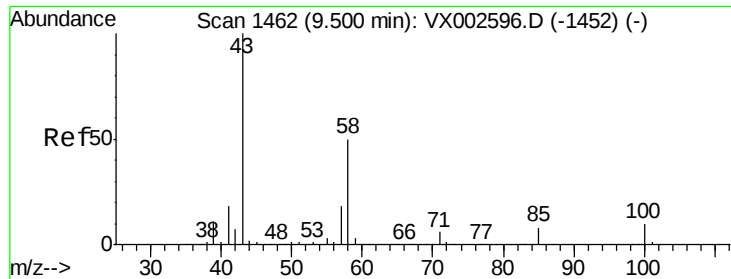
MMDadoda
 6/18/2018 5:12:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.23 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion: 63 Resp: 205324
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8





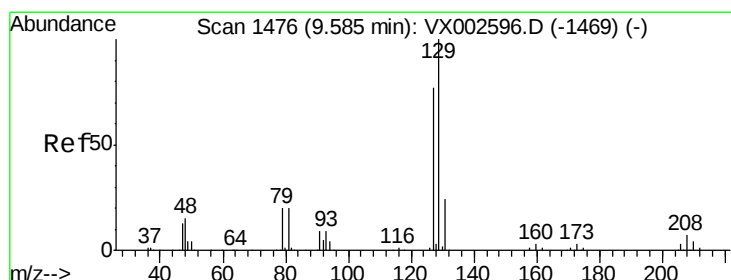
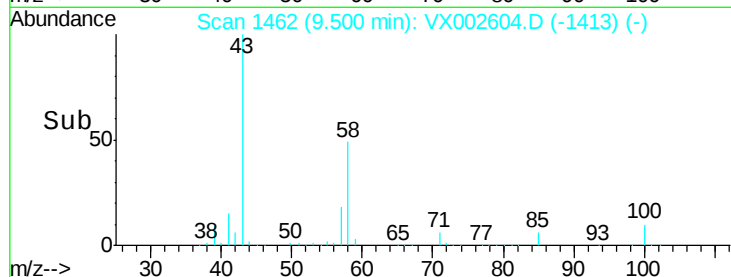
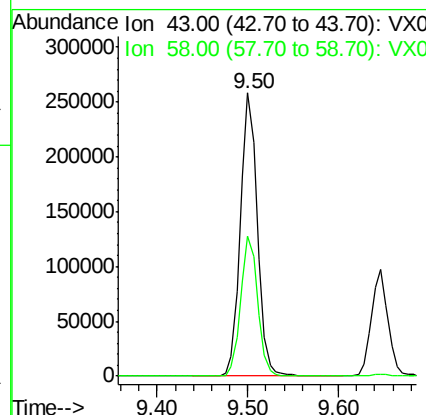
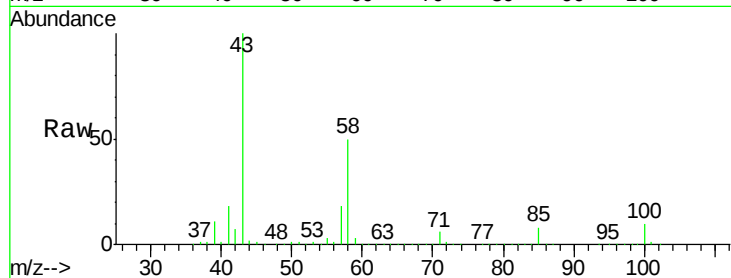
#59
2-Hexanone
Concen: 103.78 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.6	73.6

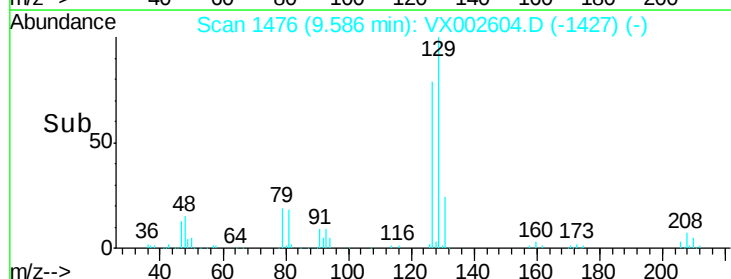
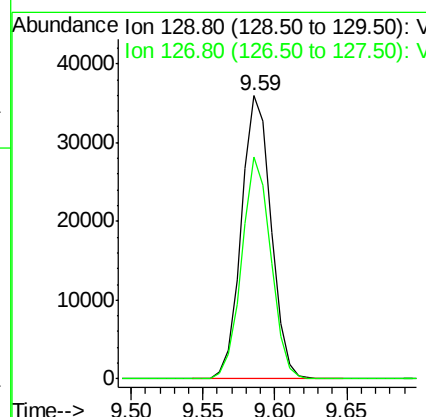
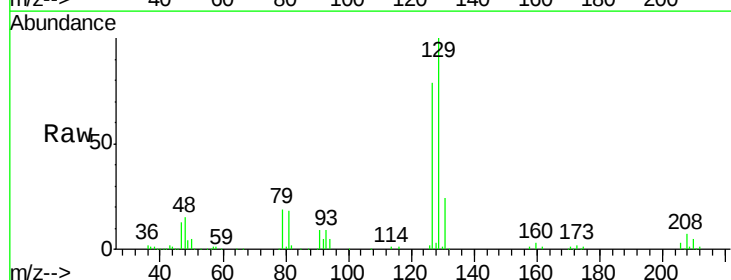
Manual Integrations
APPROVED

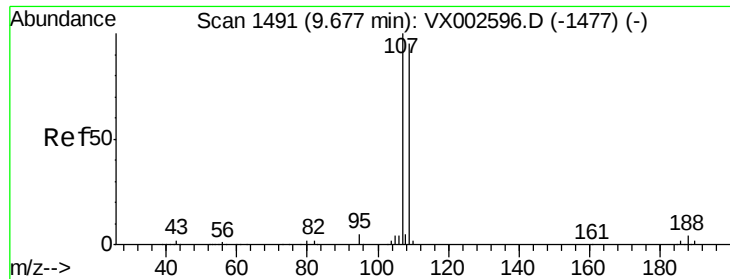
MMDadoda
6/18/2018 5:12:03 PM



#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion:107 Resp: 58070

Ion Ratio Lower Upper

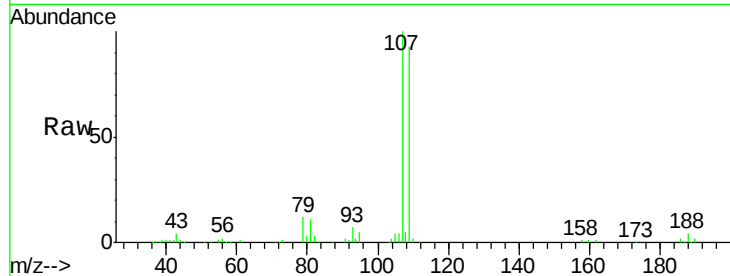
107 100

109 93.1 75.3 112.9

Manual Integrations
APPROVED

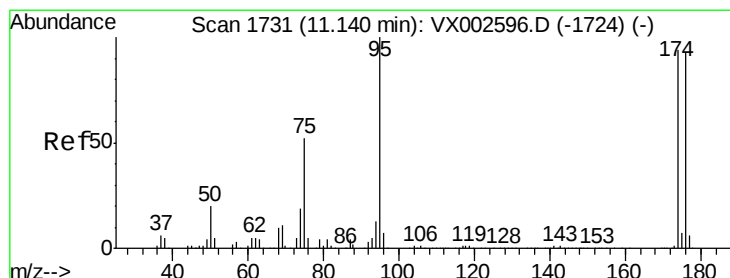
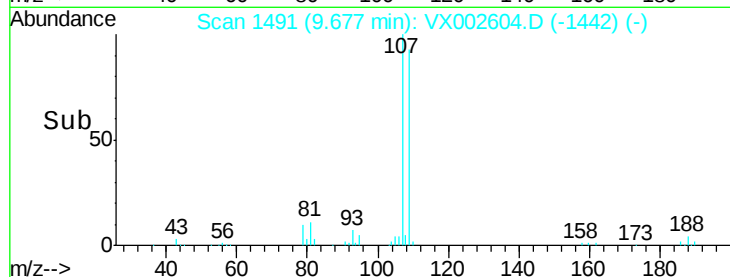
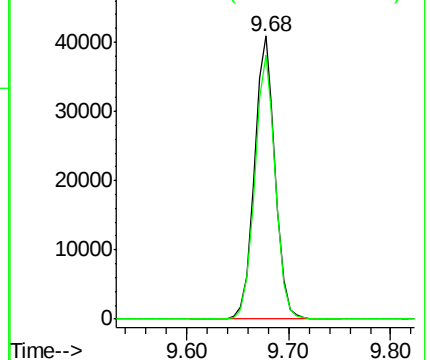
MMDadoda

6/18/2018 5:12:03 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

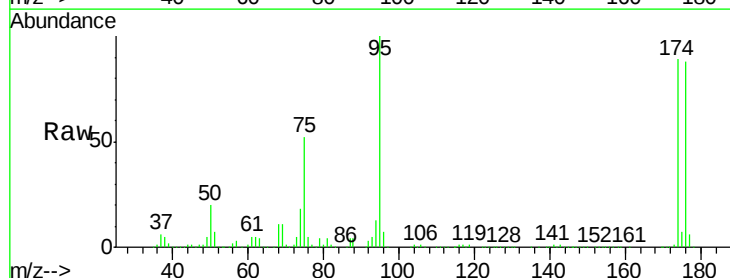
Tgt Ion: 95 Resp: 189206

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.4

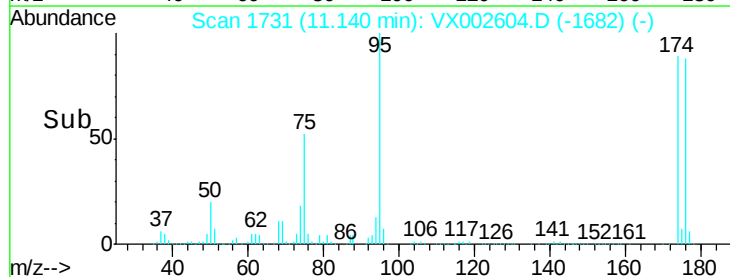
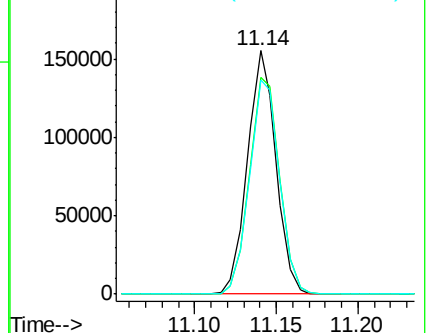
176 93.1 0.0 181.0



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





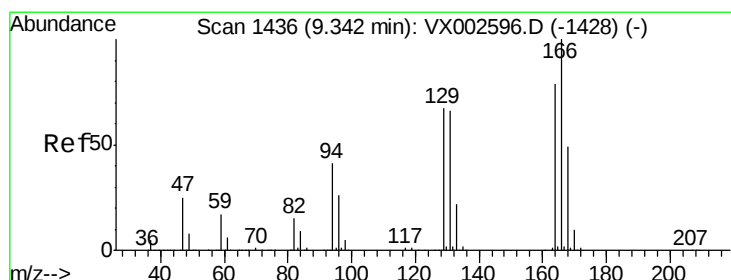
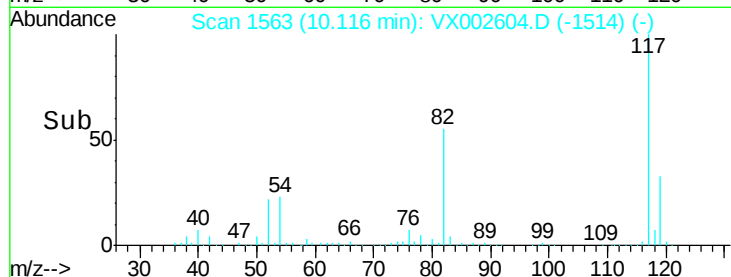
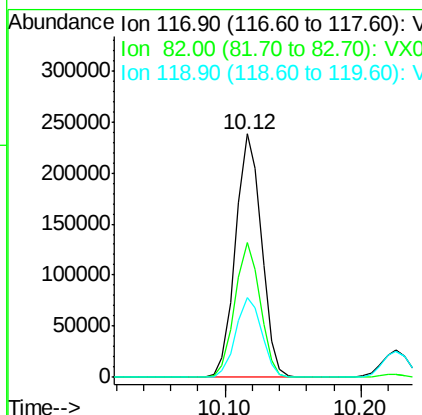
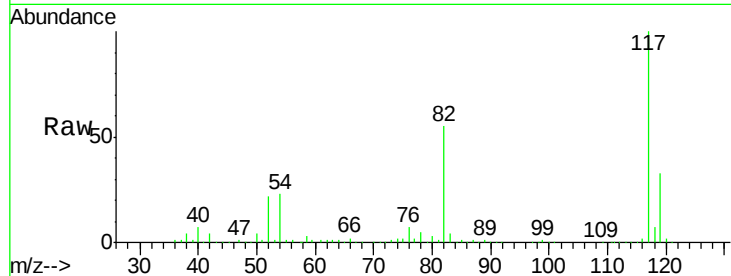
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.4
119	32.6	25.8	38.6

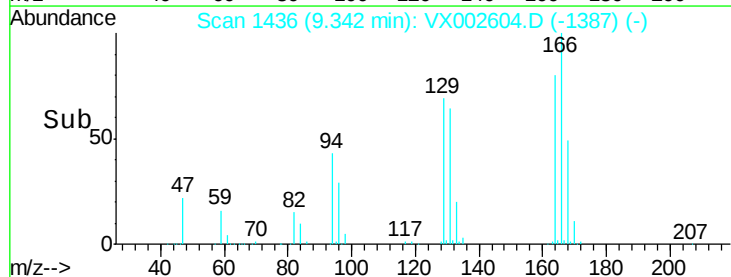
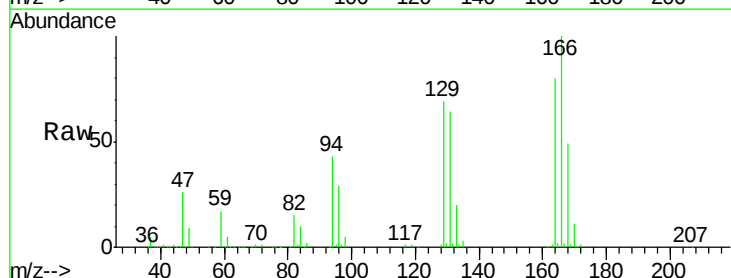
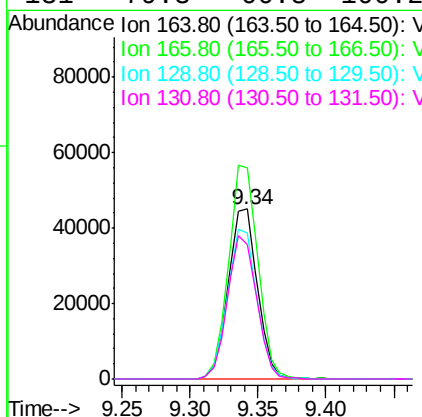
Manual Integrations
APPROVED

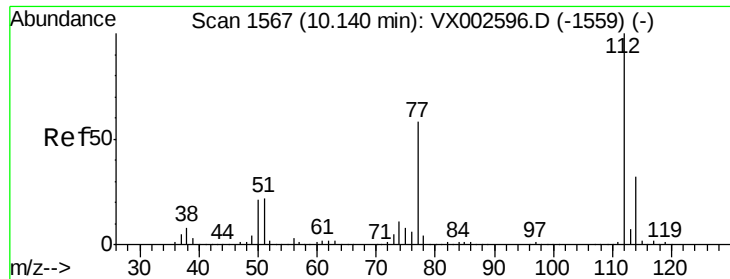
MMDadoda
6/18/2018 5:12:03 PM



#64
Tetrachloroethene
Concen: 19.09 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.9	154.3
129	85.9	68.6	102.8
131	79.3	66.8	100.2





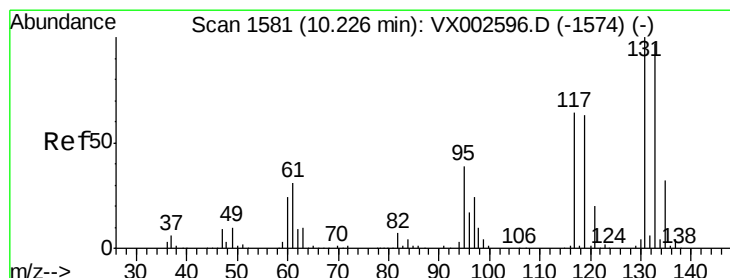
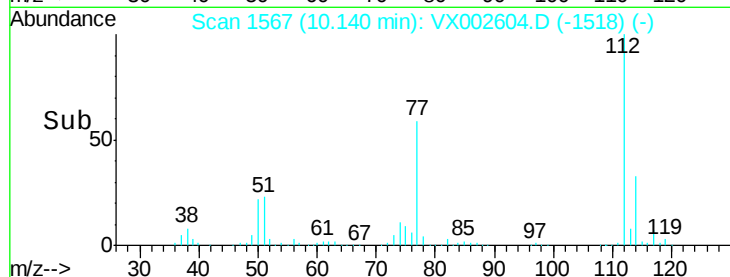
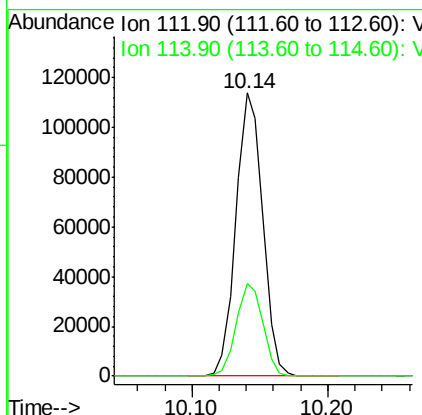
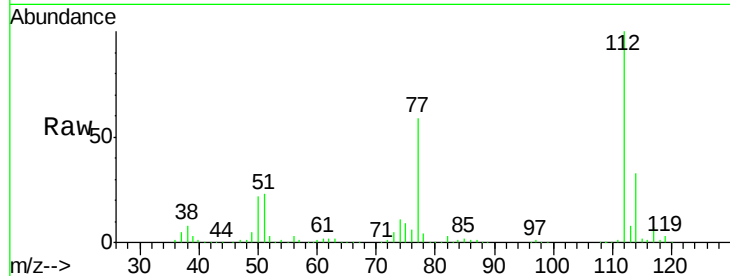
#65
Chlorobenzene
Concen: 19.96 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion:112 Resp: 155576
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

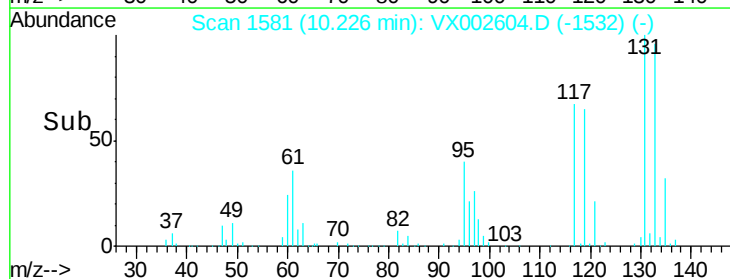
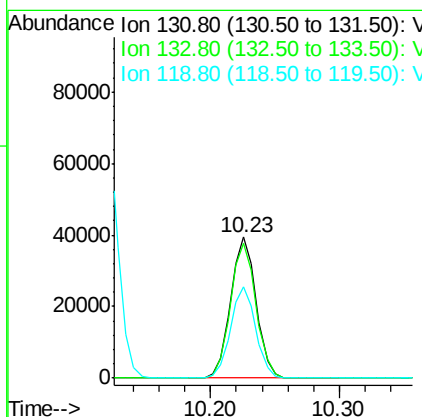
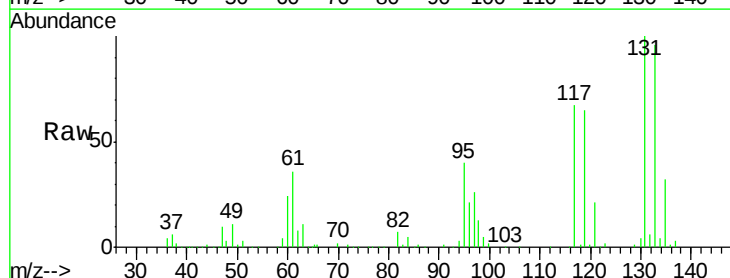
Manual Integrations
APPROVED

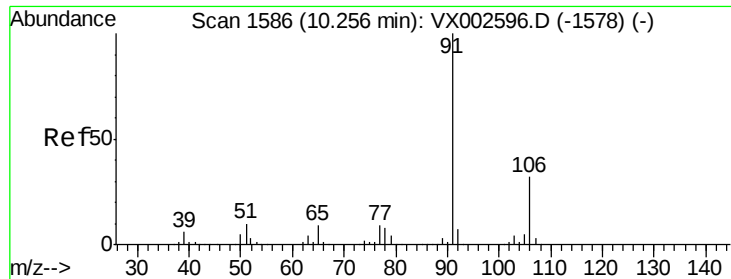
MMDadoda
6/18/2018 5:12:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion:131 Resp: 54594
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 63.7 31.8 95.3





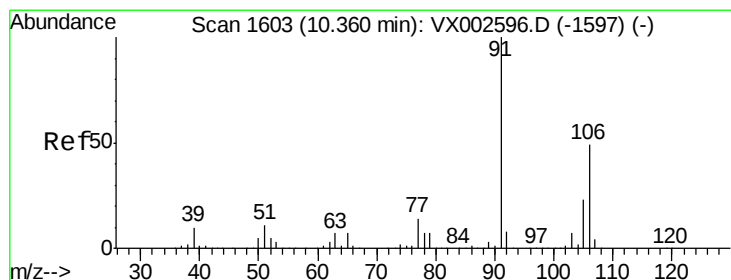
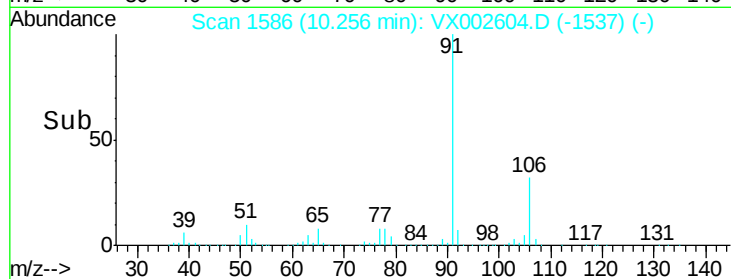
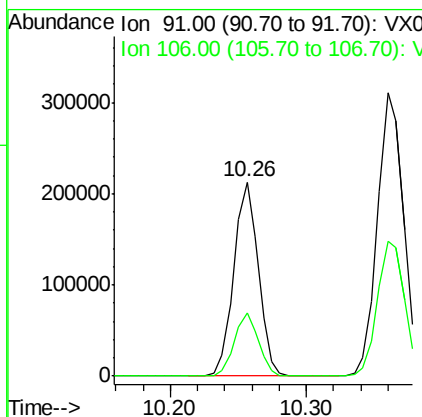
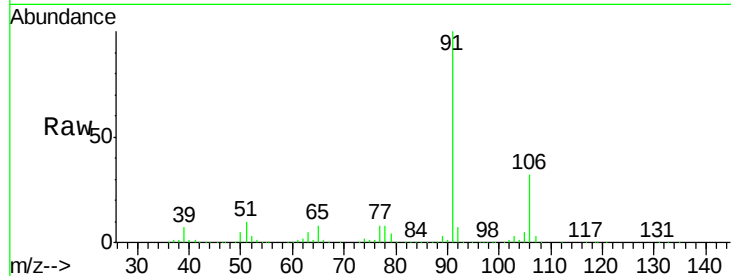
#67
Ethyl Benzene
Concen: 20.28 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampled :
VX0615WBSD01

Tot Ion: 91 Resp: 266548
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

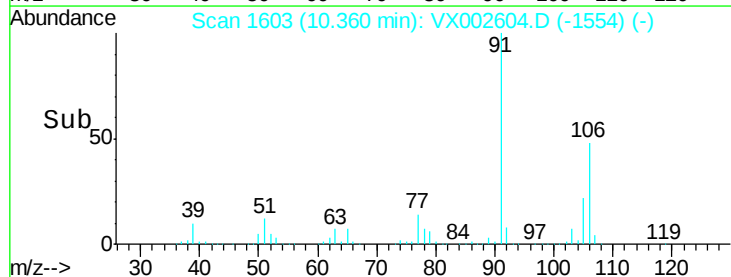
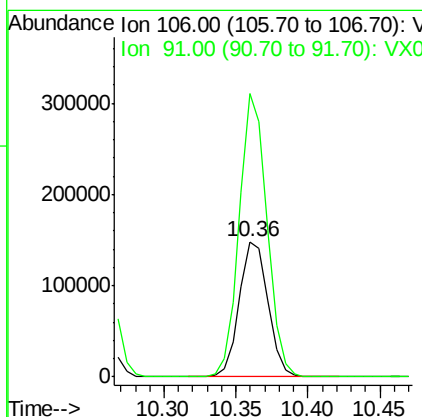
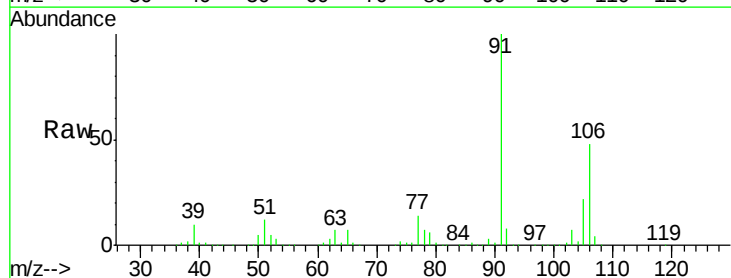
Manual Integrations
APPROVED

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6/18/2018 5:12:03 PM



#68
m/p-Xylenes
Concen: 40.44 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion: 106 Resp: 205066
Ion Ratio Lower Upper
106 100
91 202.8 163.4 245.2





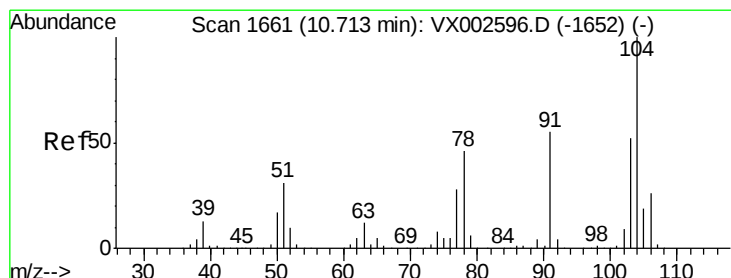
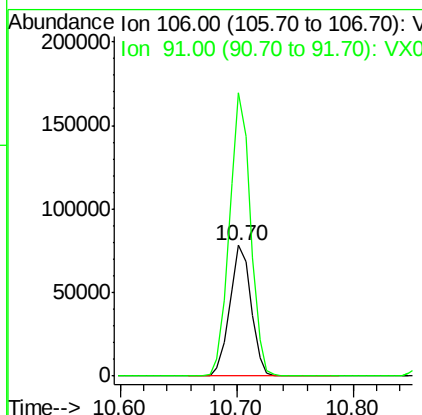
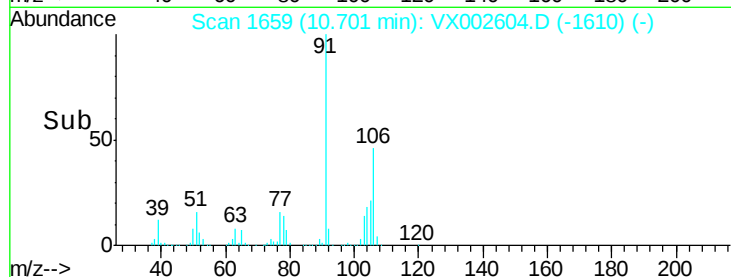
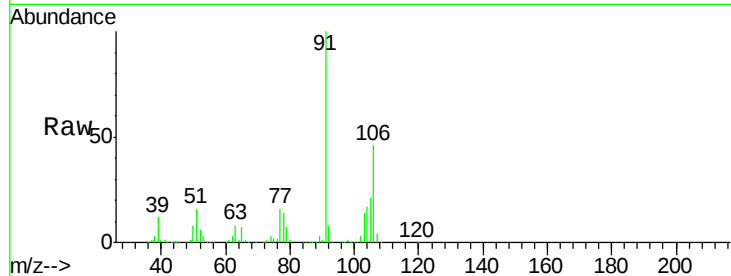
#69
o-Xylene
Concen: 20.08 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.6	108.2	324.6

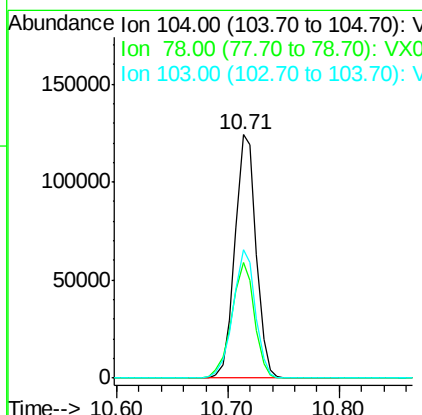
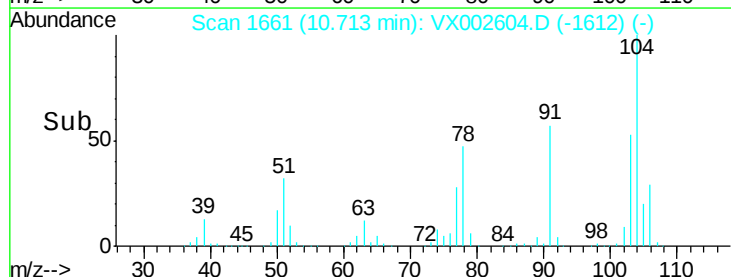
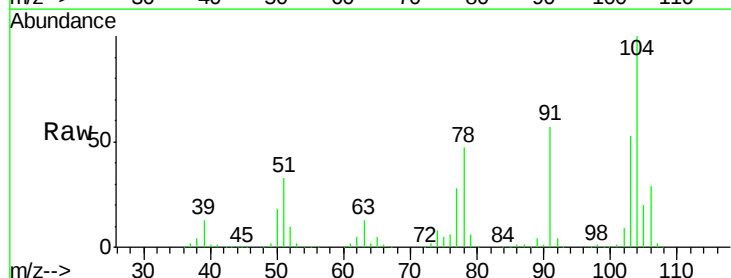
Manual Integrations
APPROVED

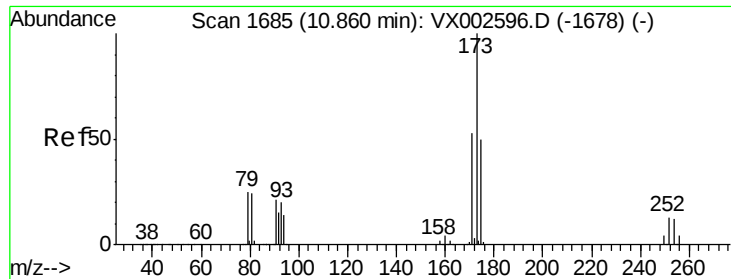
MMDadoda
6/18/2018 5:12:03 PM



#70
Styrene
Concen: 20.02 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.0	61.6
103	55.7	44.2	66.4





#71

Bromoform

Concen: 18.93 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

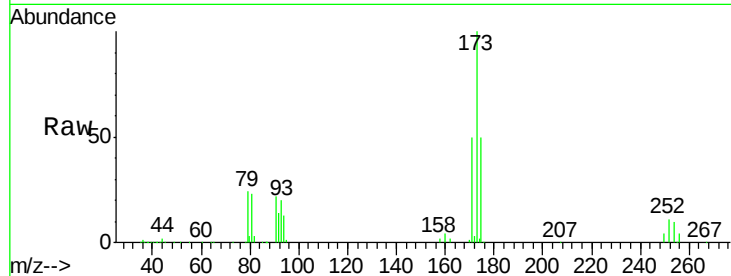
ClientSampleId :

VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
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6/18/2018 5:12:03 PM

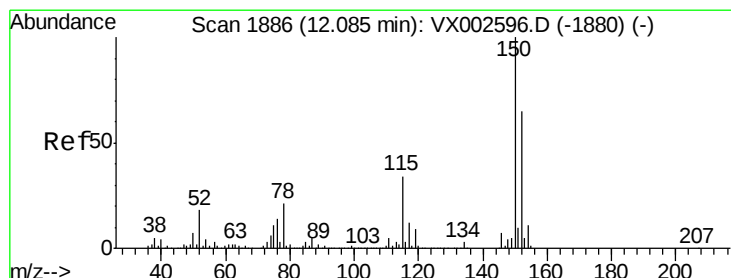
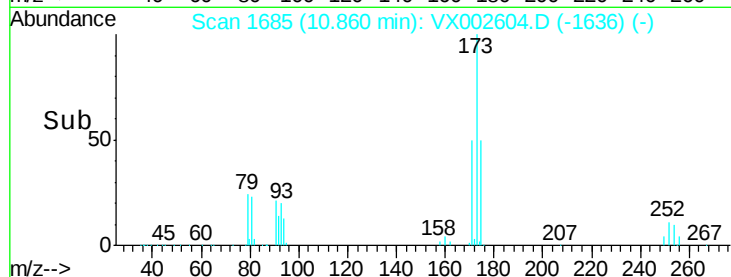
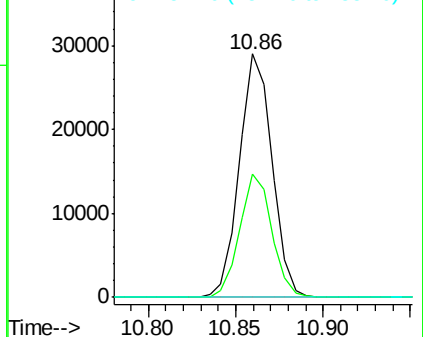


Abundance

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

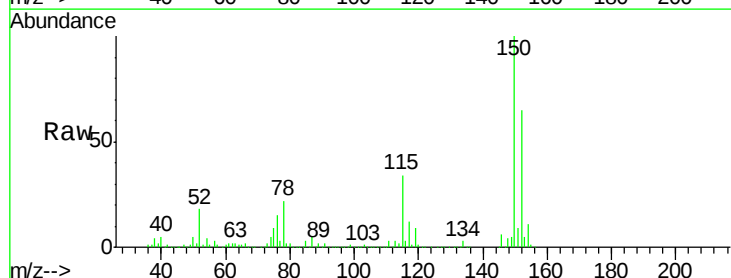
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	40.1	120.2
150	163.9	0.0	347.2

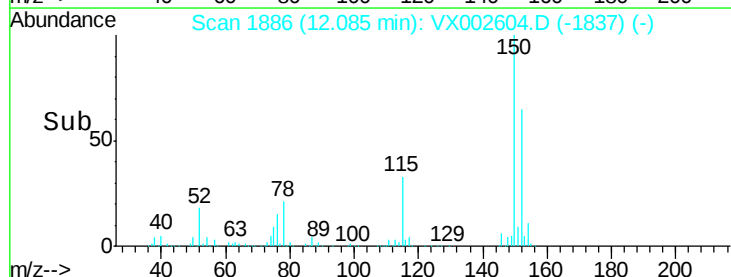
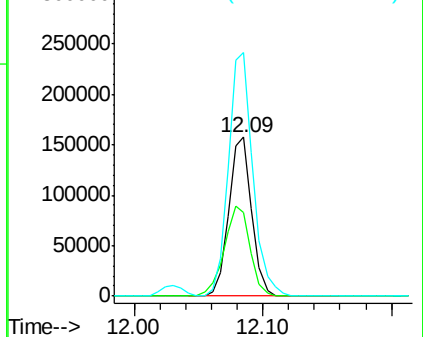


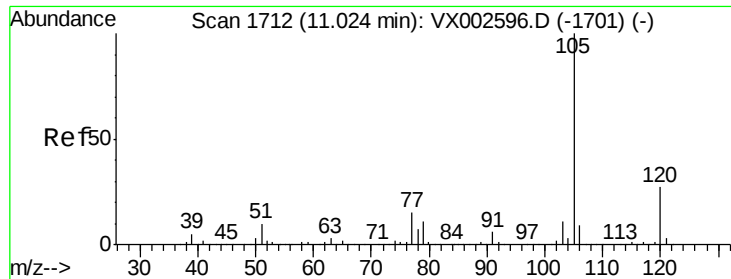
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleID :

VX0615WBSD01

Tot Ion:105 Resp: 272009

Ion Ratio Lower Upper

105 100

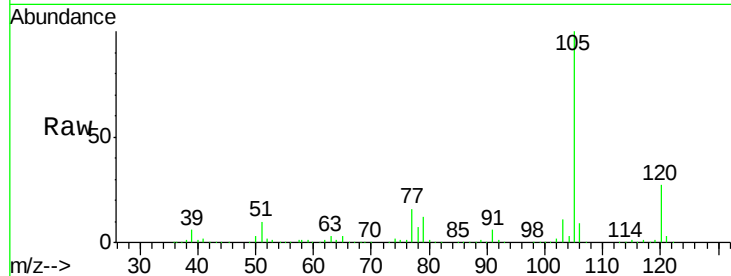
120 27.1 13.5 40.4

Manual Integrations

APPROVED

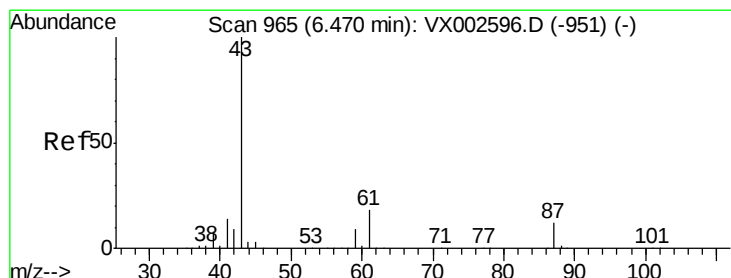
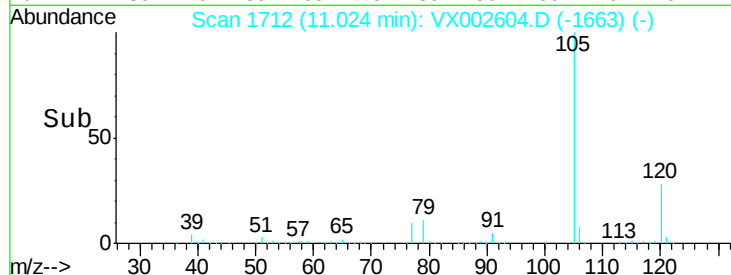
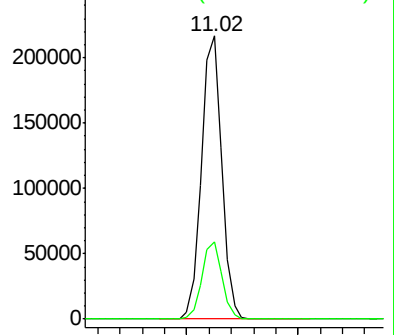
MMDadoda

6/18/2018 5:12:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.43 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion: 43 Resp: 132992

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

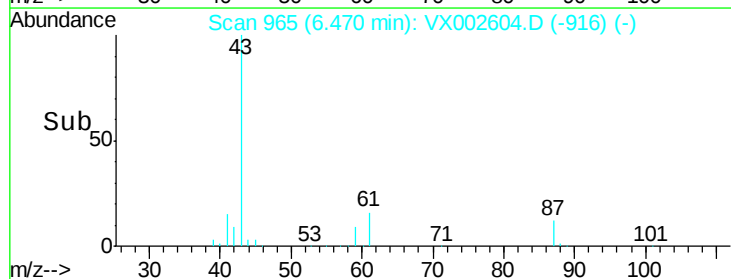
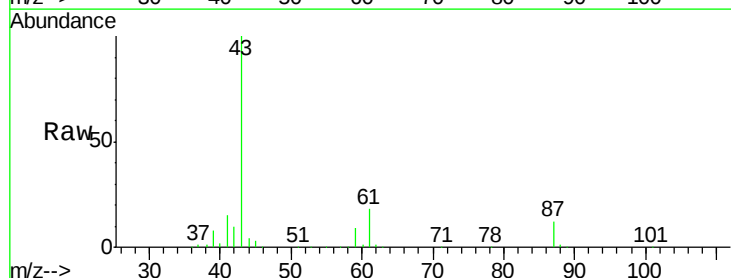
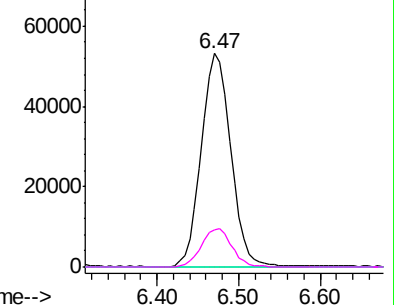
61 18.3 14.4 21.6

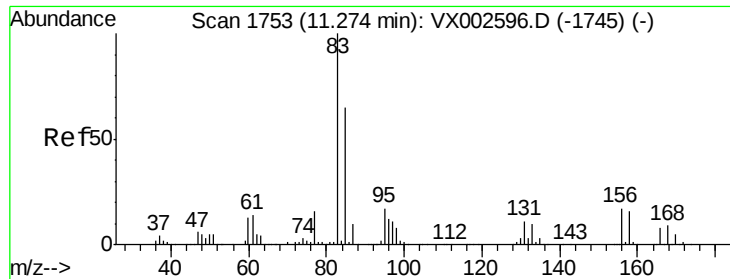
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.04 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

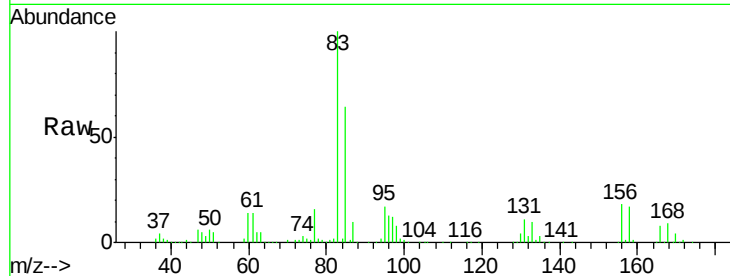
ClientSampleId :

VX0615WBSD01

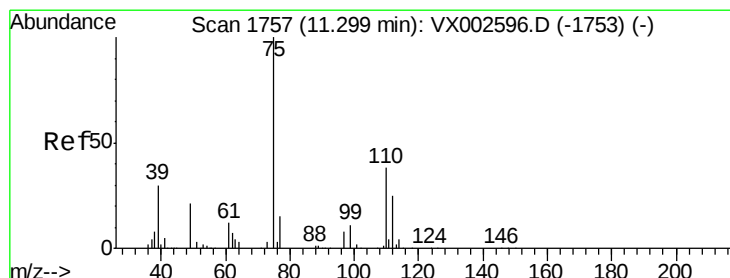
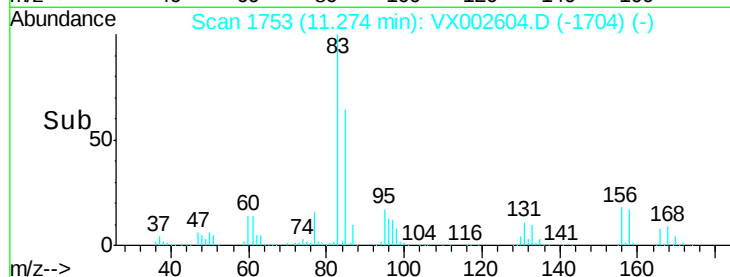
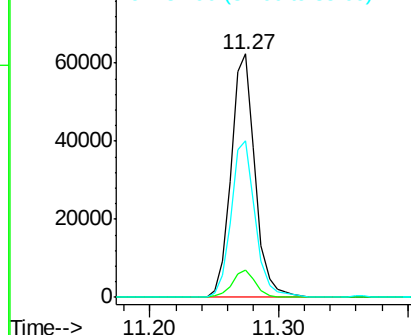
Tot Ion:	83	Resp:	81416
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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6/18/2018 5:12:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.41 ug/l m

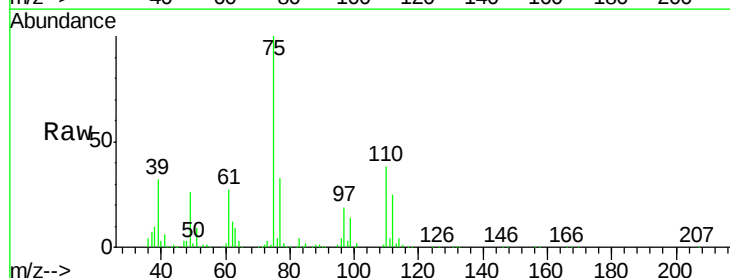
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

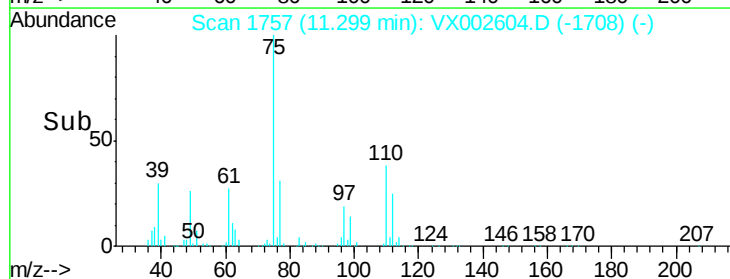
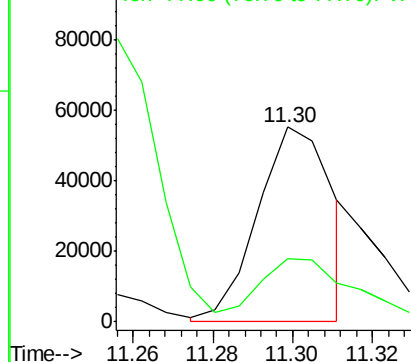
Lab File: VX002604.D

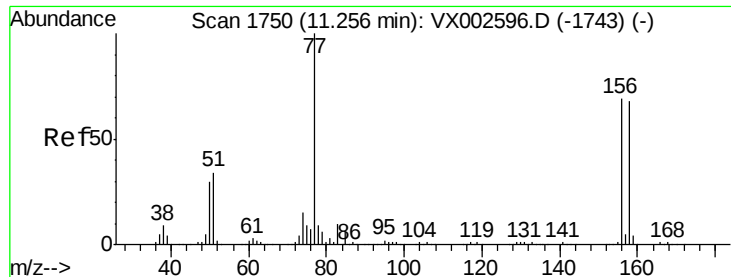
Acq: 15 Jun 2018 18:50

Tgt Ion:	75	Resp:	71755
Ion Ratio	Lower	Upper	
75	100		
77	42.3	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion:156 Resp: 73648

Ion Ratio Lower Upper

156 100

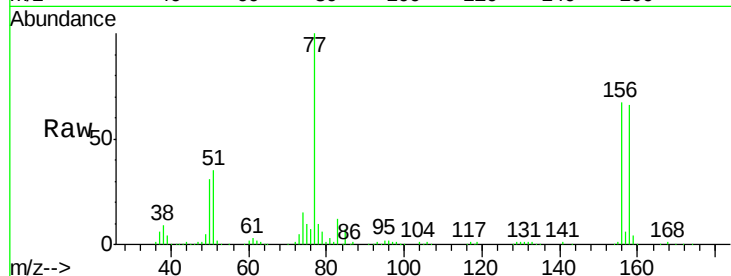
77 138.3 71.4 214.2

158 97.7 48.9 146.6

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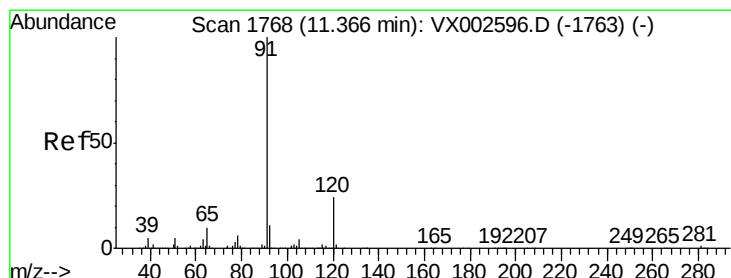
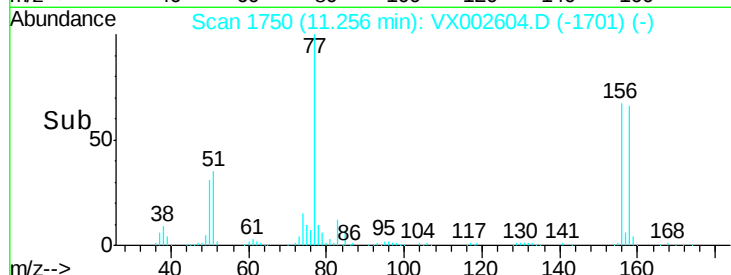
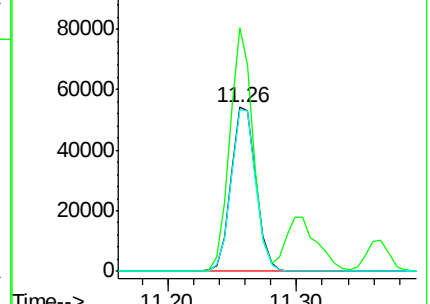
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.53 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002604.D

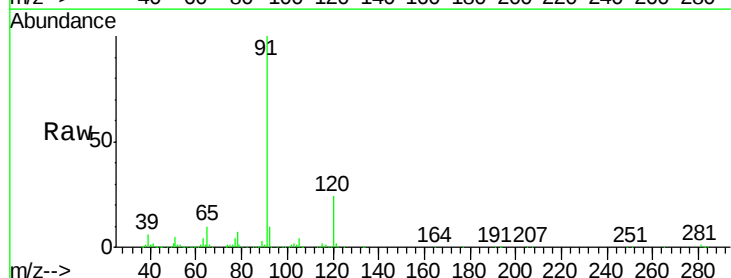
Acq: 15 Jun 2018 18:50

Tgt Ion: 91 Resp: 308500

Ion Ratio Lower Upper

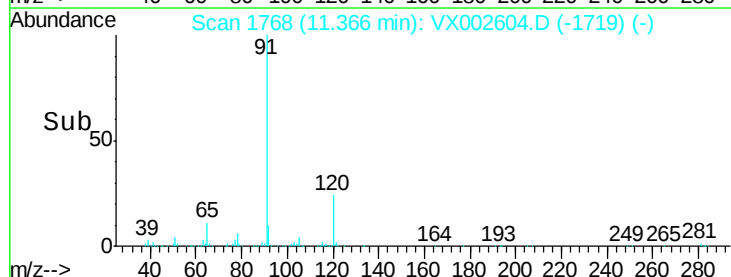
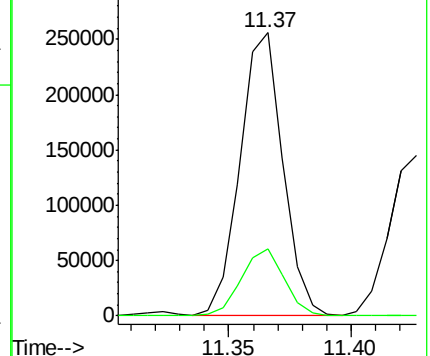
91 100

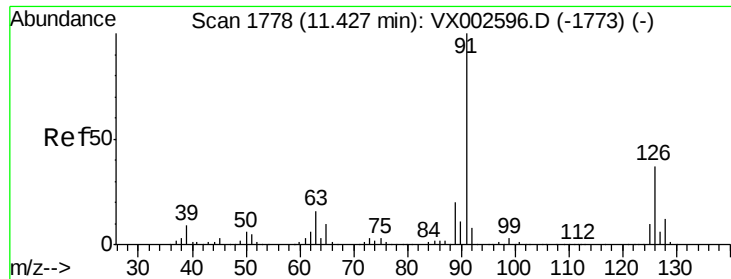
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion: 91 Resp: 182072

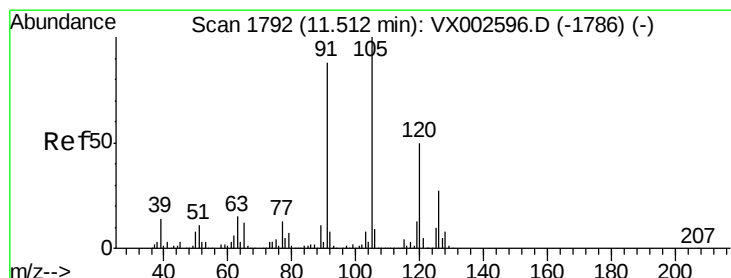
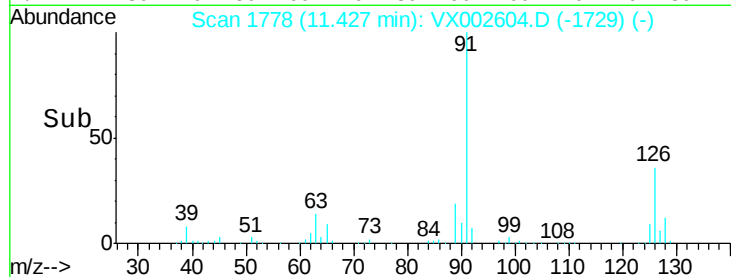
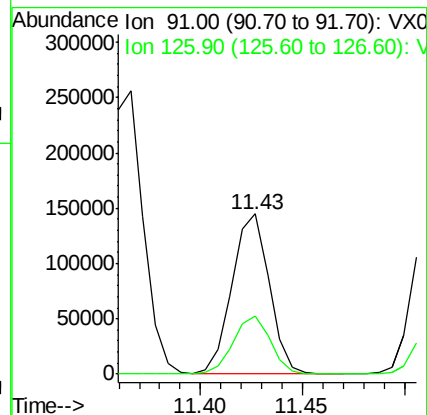
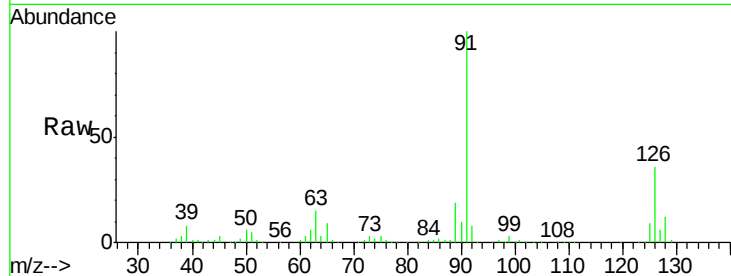
Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002604.D

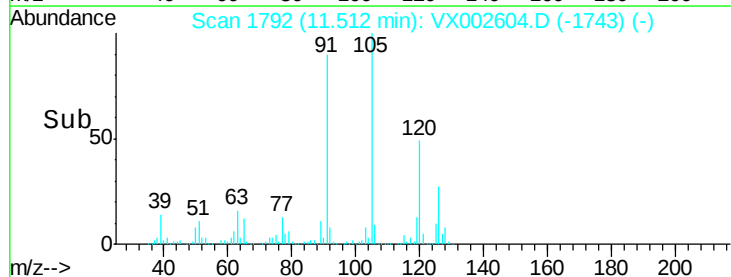
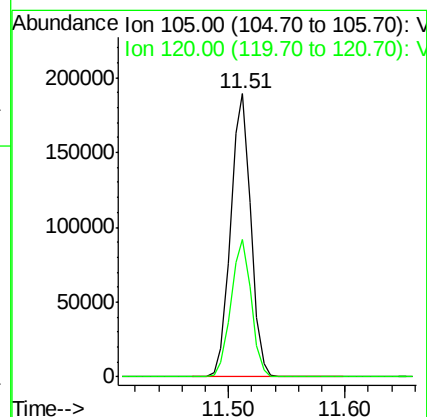
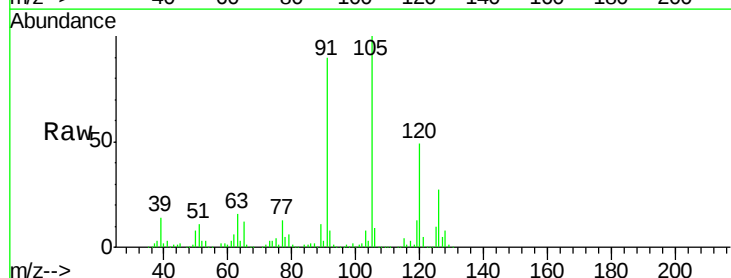
Acq: 15 Jun 2018 18:50

Tgt Ion: 105 Resp: 226154

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.4





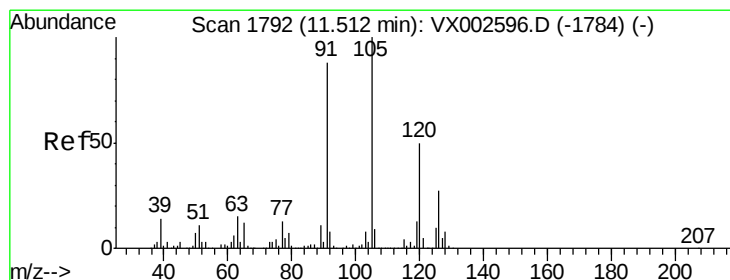
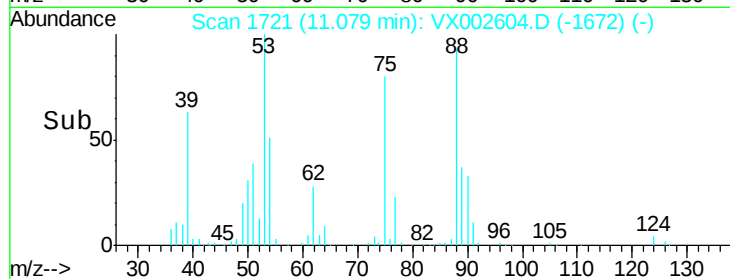
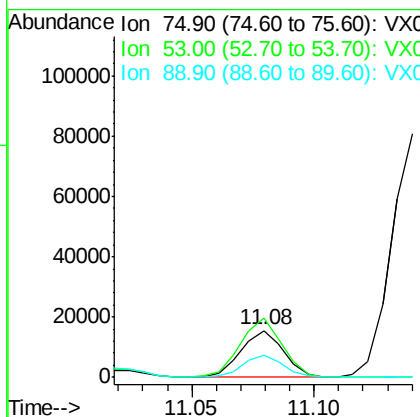
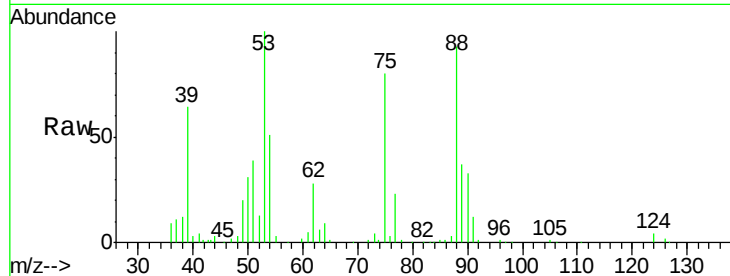
#81
trans-1,4-Dichloro-2-butene
Concen: 19.06 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.3	86.8	130.2
89	45.5	38.2	57.2

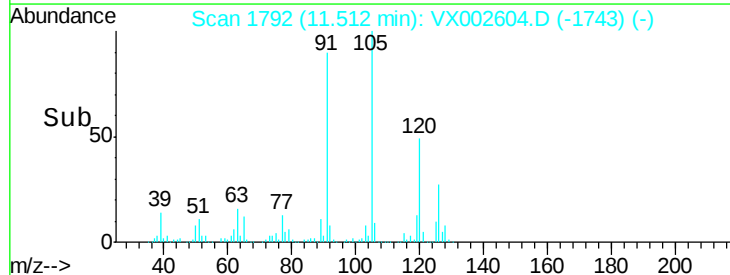
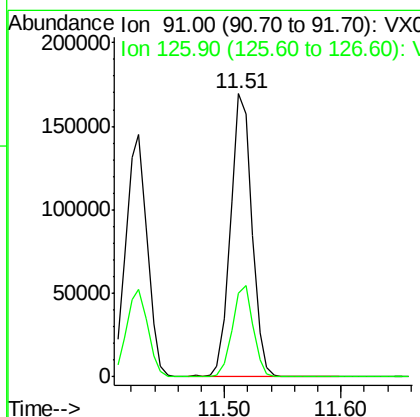
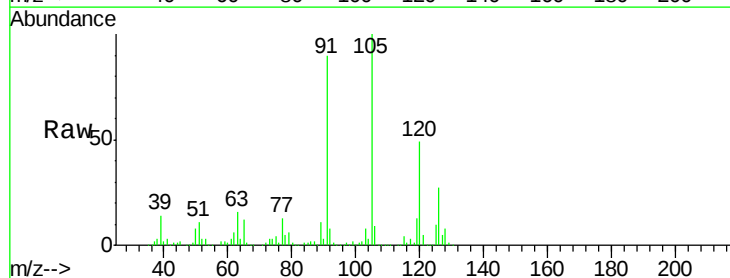
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#82
4-Chlorotoluene
Concen: 20.53 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





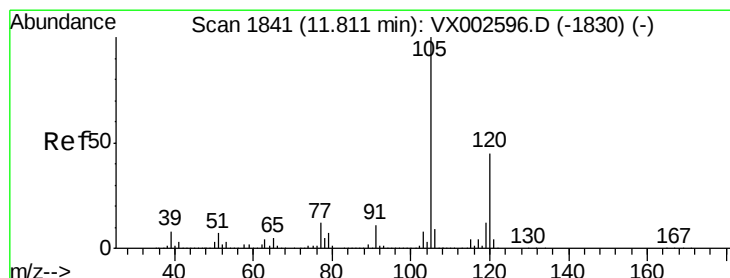
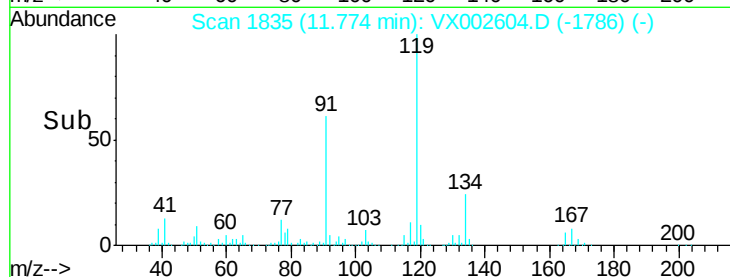
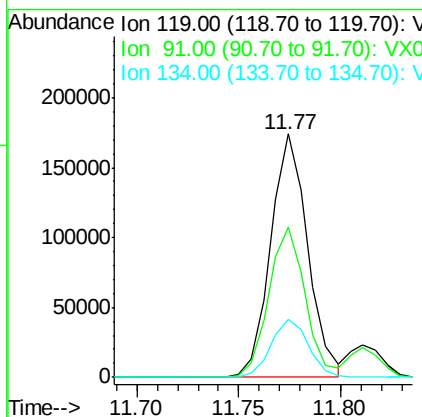
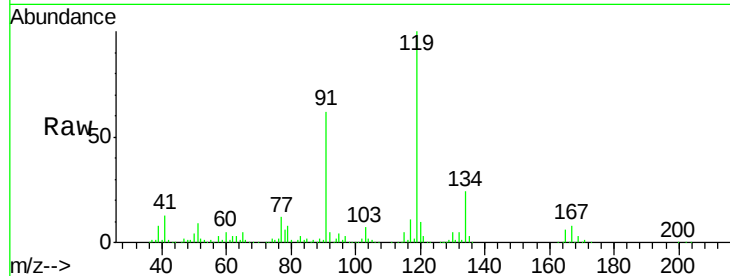
#83
 tert-Butylbenzene
 Concen: 20.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	220535		
91	60.8		30.3	90.9
134	24.1		11.7	35.1

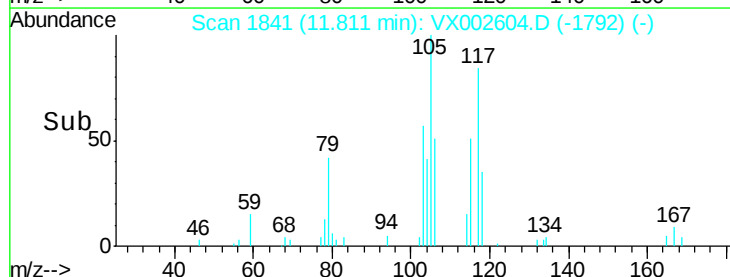
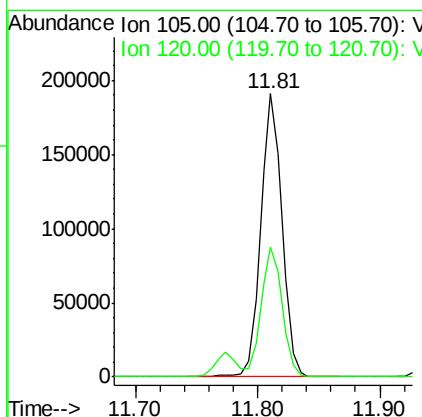
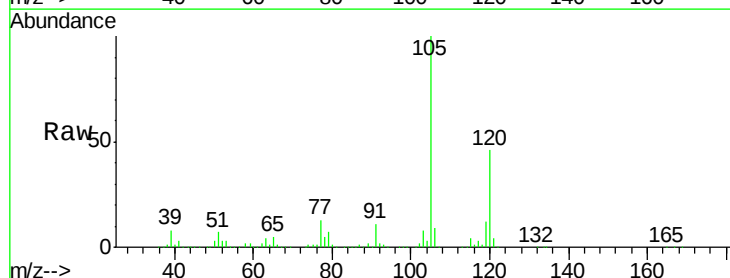
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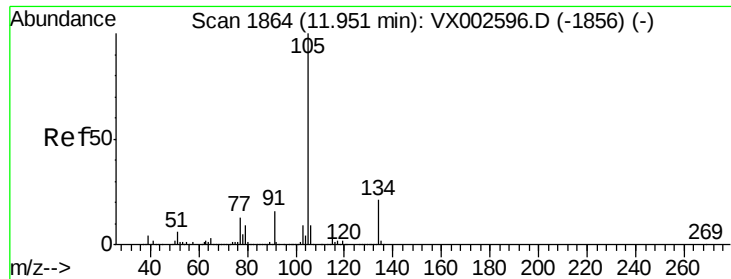
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232545		
120	45.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBSD01

Tot Ion:105 Resp: 277818

Ion Ratio Lower Upper

105 100

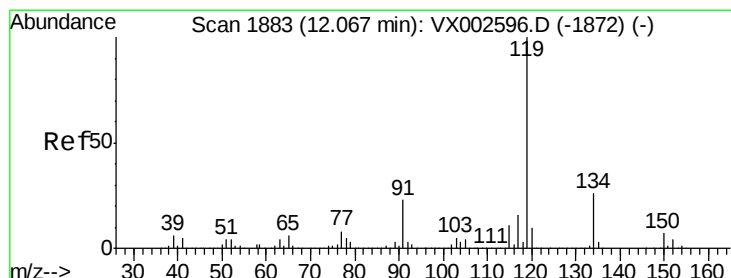
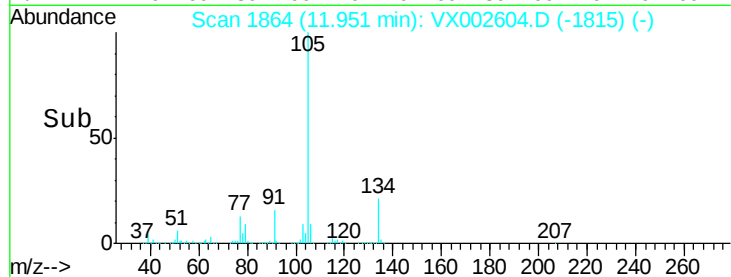
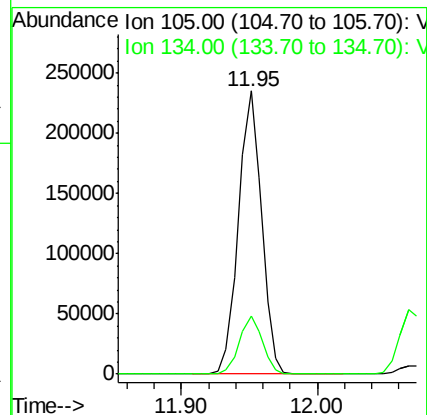
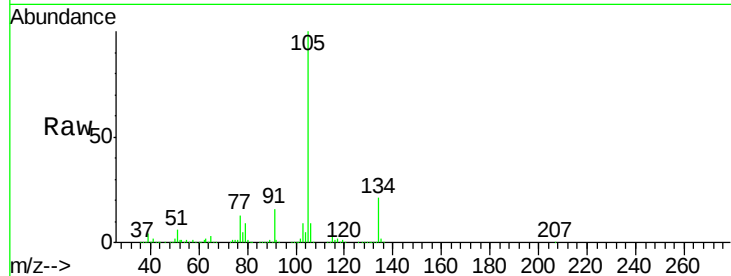
134 20.7 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.54 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

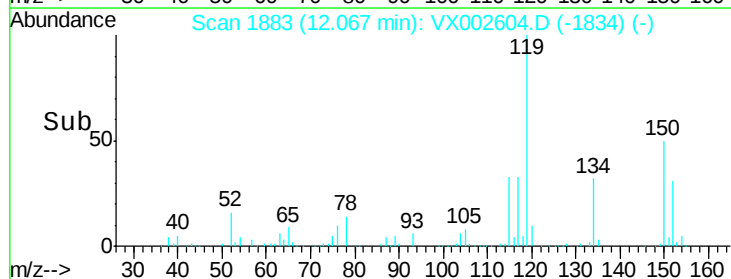
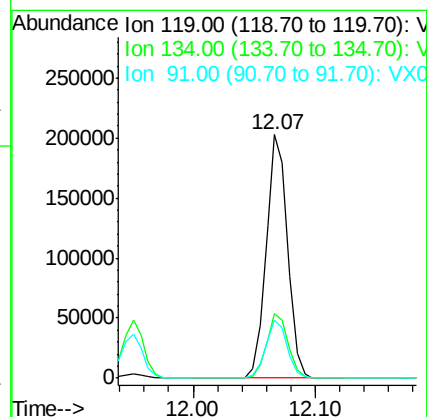
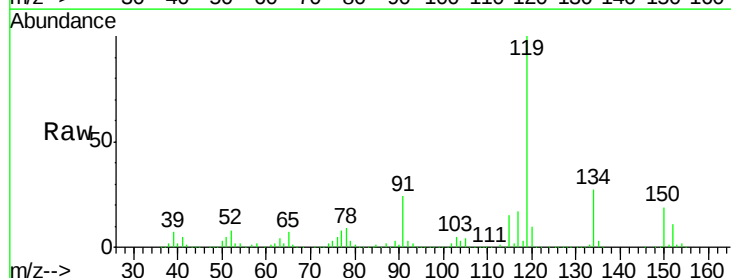
Tgt Ion:119 Resp: 246543

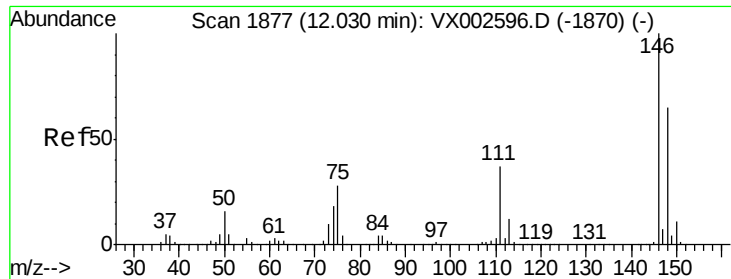
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.8 11.9 35.7





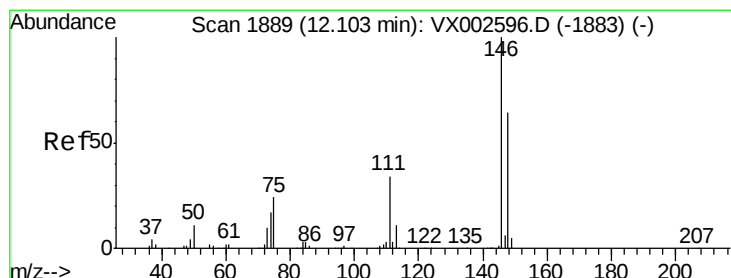
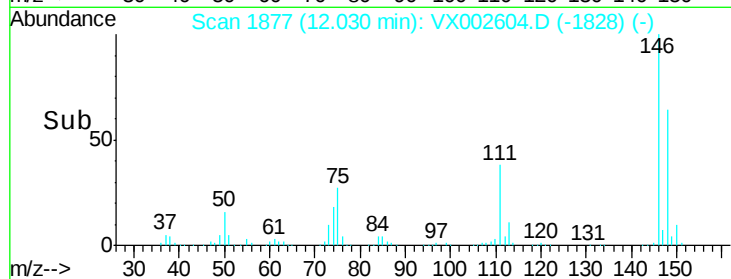
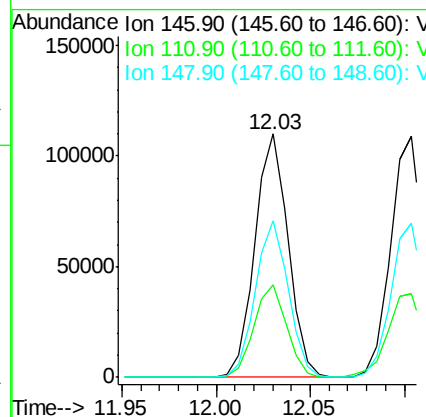
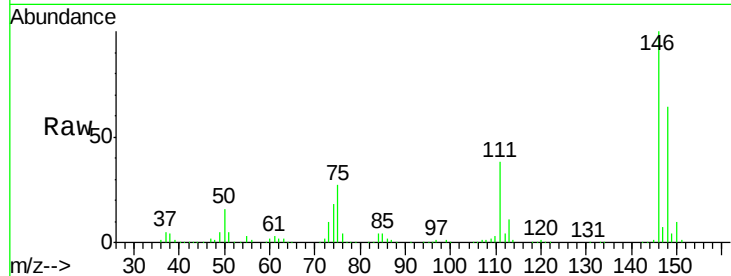
#87
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	63.9	32.1	96.3

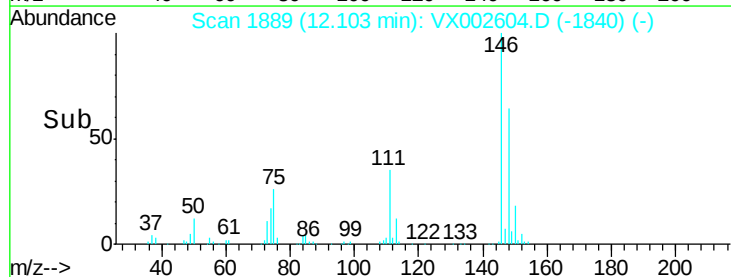
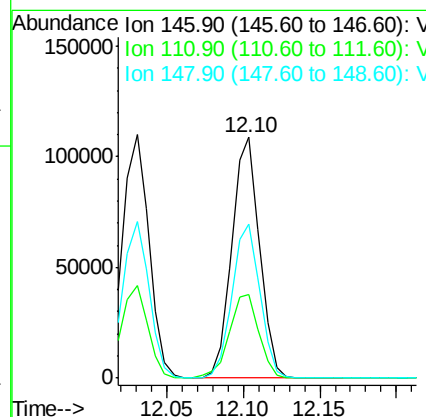
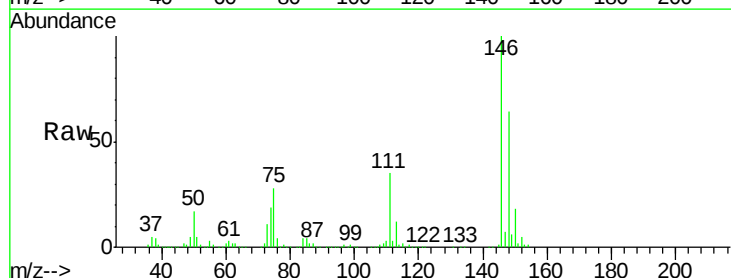
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#88
 1,4-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.7	32.4	97.0





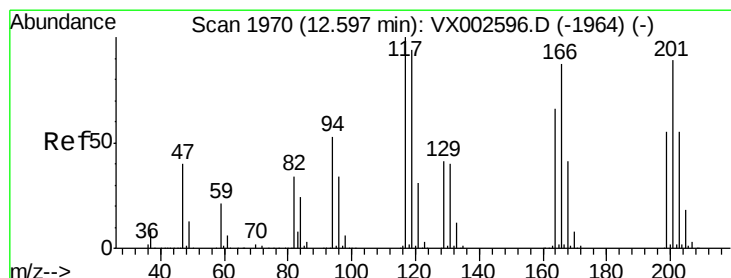
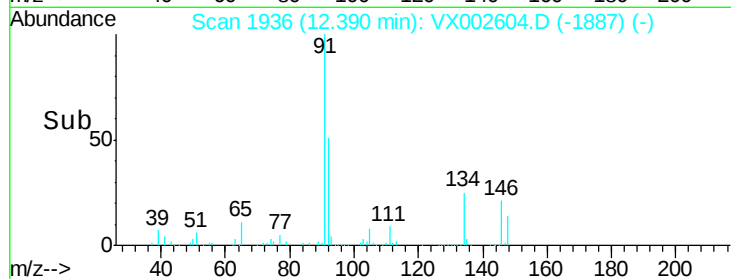
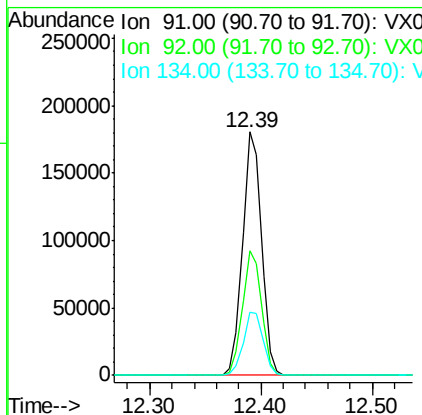
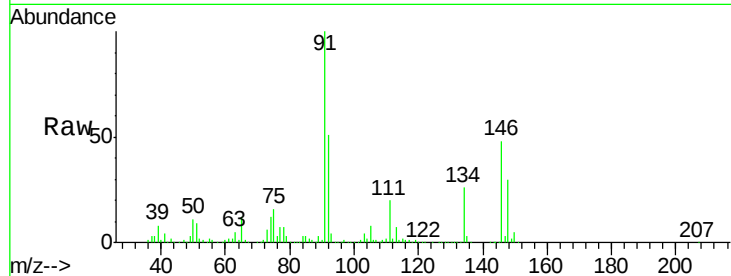
#89
n-Butylbenzene
Concen: 20.12 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	26.9	13.5	40.5

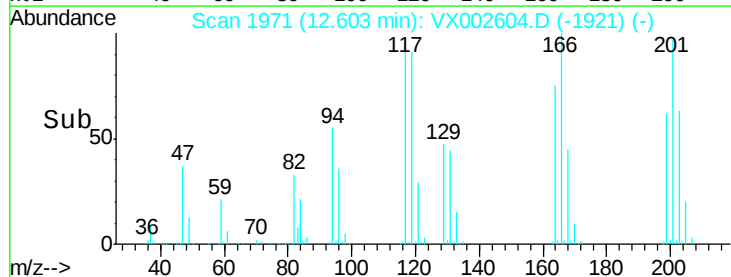
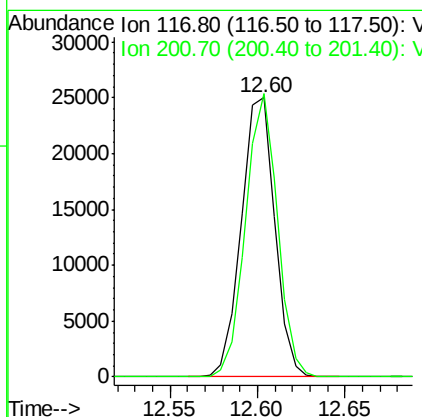
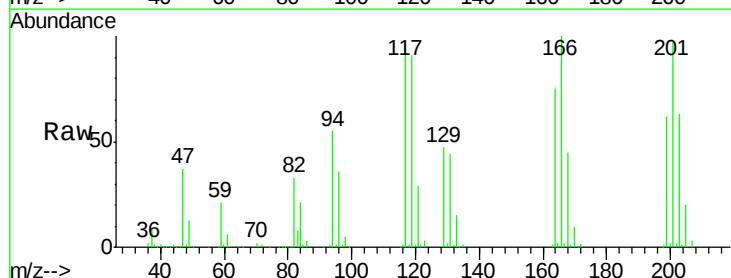
Manual Integrations
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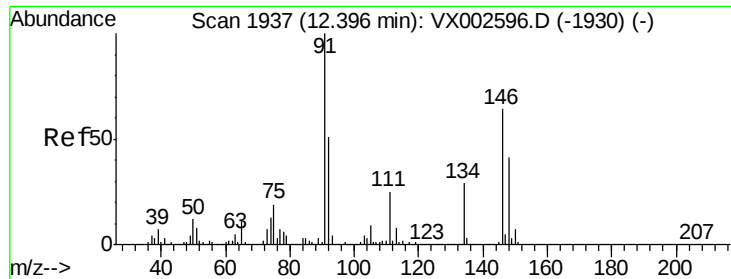
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#90
Hexachloroethane
Concen: 19.54 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002604.D
Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	49.0	147.0





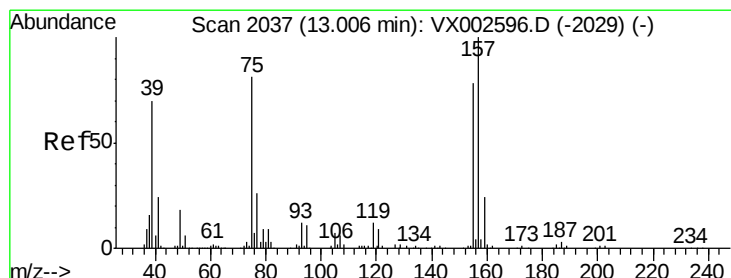
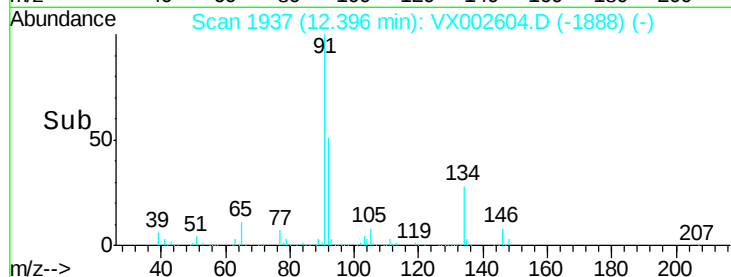
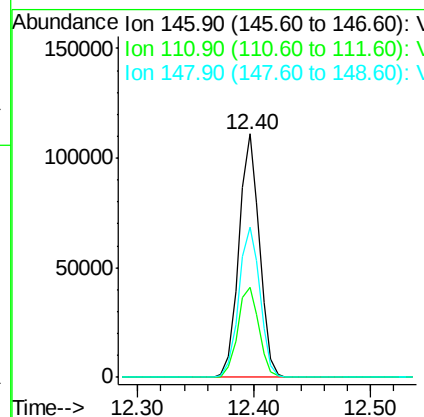
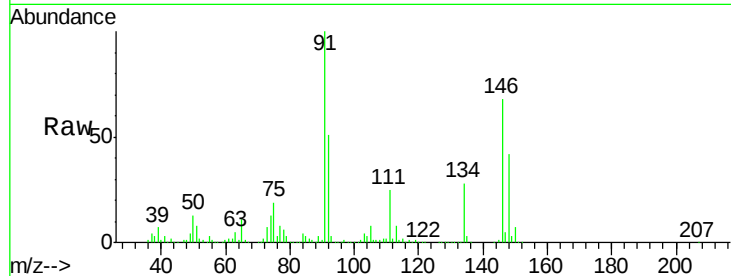
#91
 1,2-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136444		
111	38.1	19.4	58.1	
148	63.6	31.7	95.1	

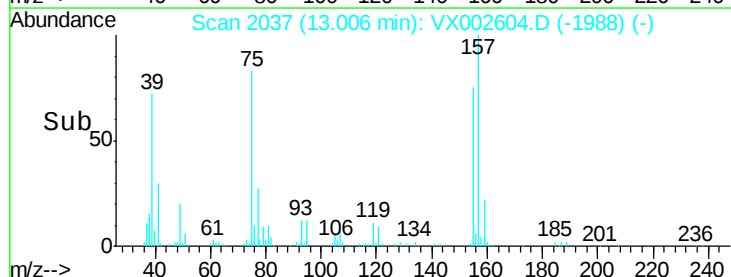
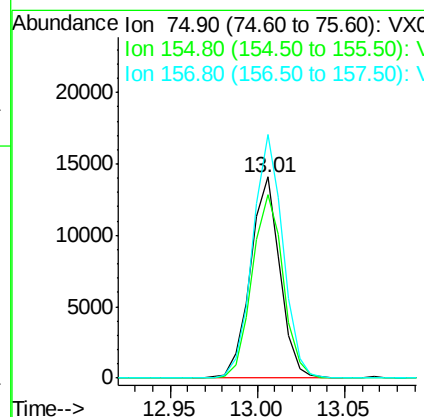
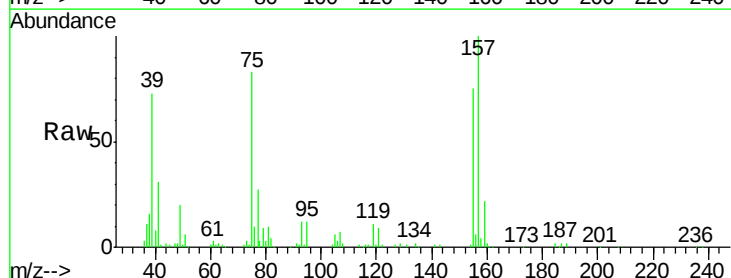
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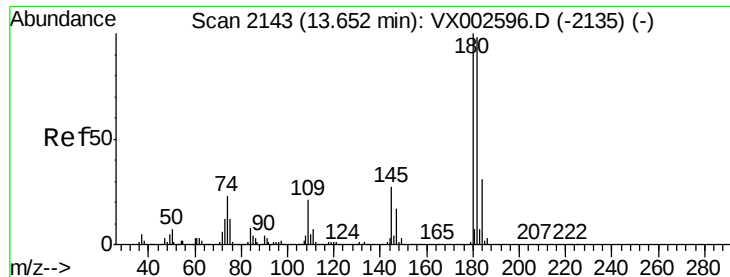
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.44 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16566		
155	95.7	45.8	137.4	
157	123.5	60.1	180.3	





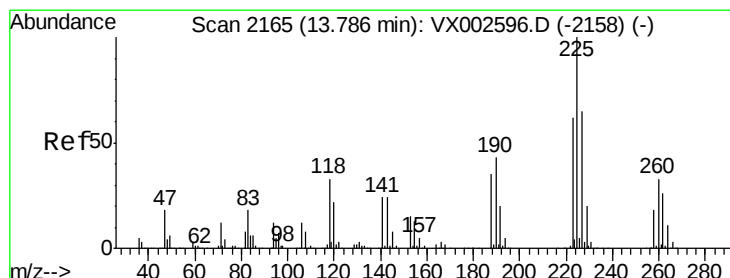
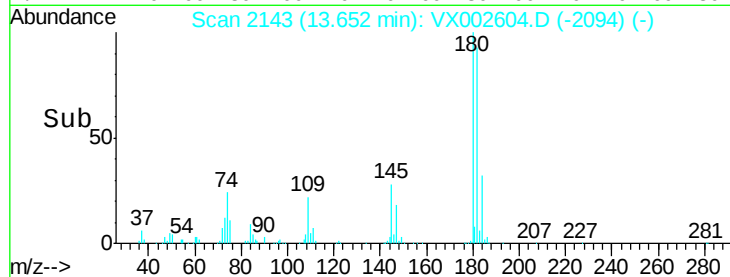
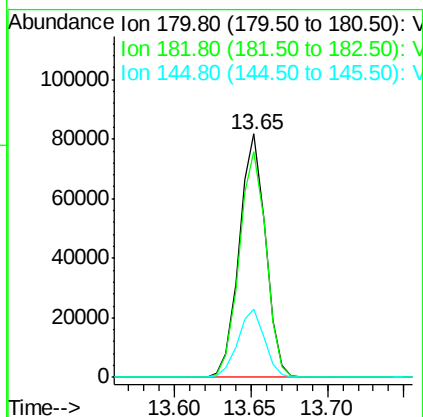
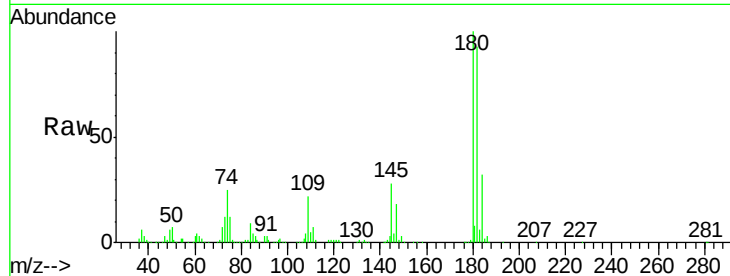
#93
 1,2,4-Trichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97390		
182	94.4	47.7	143.1	
145	28.2	14.1	42.4	

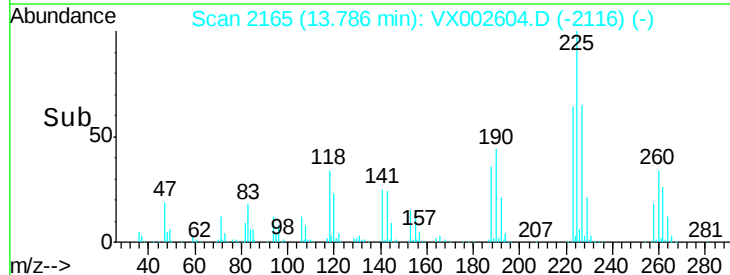
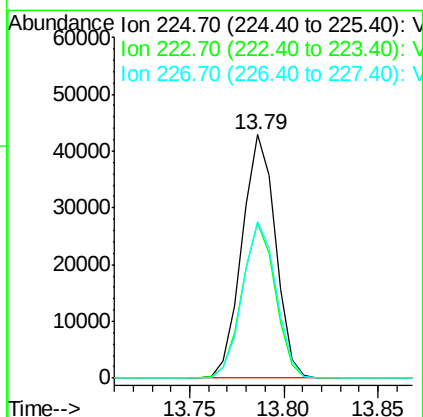
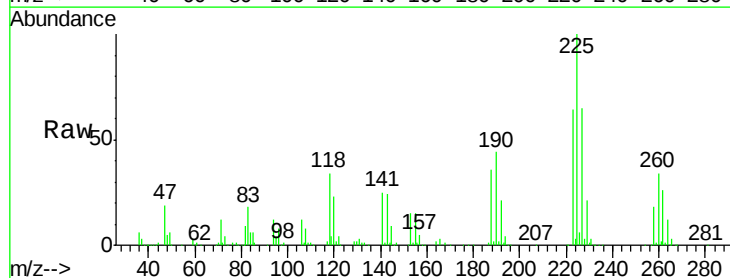
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:03 PM



#94
 Hexachlorobutadiene
 Concen: 20.56 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002604.D
 Acq: 15 Jun 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52970		
223	63.1	31.6	95.0	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 21.13 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Instrument :

MSVOA_X

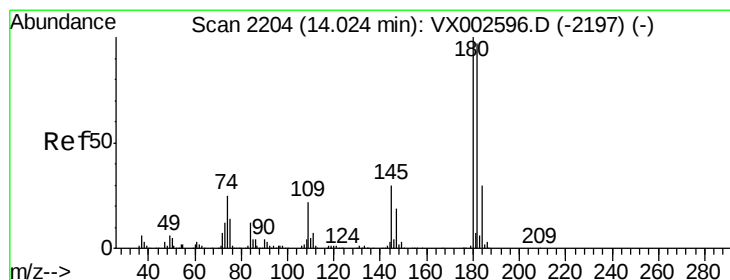
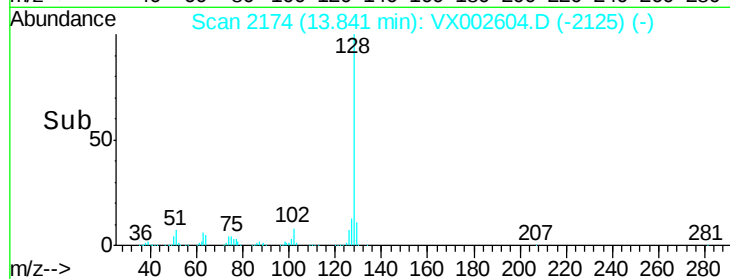
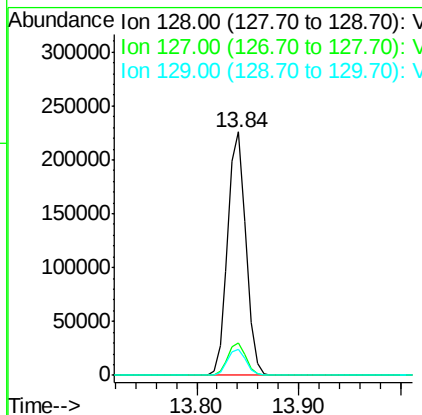
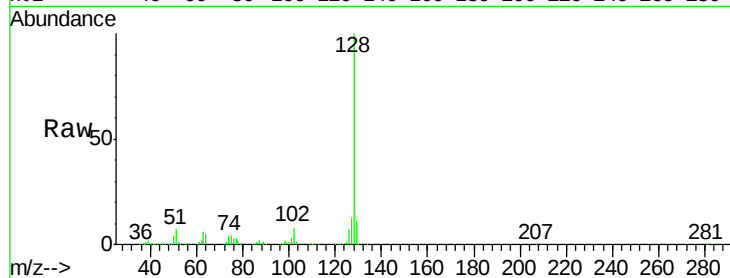
ClientSampleId :

VX0615WBSD01

Tot Ion:	128	Resp:	278035
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.33 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002604.D

Acq: 15 Jun 2018 18:50

Tgt Ion:	180	Resp:	99836
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.0
145	29.5	14.8	44.3

