

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002461.D
 Acq On : 12 Jun 2018 12:51
 Operator : JC/MD
 Sample : VX0612WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2018 1:59:35 PM

Quant Time: Jun 12 15:06:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	301493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	182987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138152	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	5.51	113	103601	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
50) Toluene-d8	8.72	98	388363	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
62) 4-Bromofluorobenzene	11.14	95	146407	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40228	18.256	ug/l	98
3) Chloromethane	1.32	50	46188	16.361	ug/l	98
4) Vinyl Chloride	1.40	62	51765	18.639	ug/l	97
5) Bromomethane	1.64	94	28958	16.167	ug/l	97
6) Chloroethane	1.73	64	36315	20.214	ug/l	99
7) Trichlorofluoromethane	1.93	101	89652	21.187	ug/l	99
8) Diethyl Ether	2.19	74	34678	21.706	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52514	22.997	ug/l	100
10) Methyl Iodide	2.51	142	46773	14.563	ug/l	98
11) Tert butyl alcohol	3.06	59	70441	101.640	ug/l	98
12) 1,1-Dichloroethene	2.38	96	44191	19.582	ug/l	97
13) Acrolein	2.29	56	23751	71.963	ug/l	99
14) Allyl chloride	2.73	41	90741	18.529	ug/l	98
15) Acrylonitrile	3.15	53	146599	108.135	ug/l	99
16) Acetone	2.45	43	159792	111.985	ug/l	99
17) Carbon Disulfide	2.57	76	97066	16.320	ug/l	96
18) Methyl Acetate	2.78	43	71263	21.952	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	180219	21.574	ug/l	99
20) Methylene Chloride	2.86	84	53457	20.683	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	47788	19.203	ug/l	98
22) Diisopropyl ether	3.87	45	186745	21.992	ug/l	95
23) Vinyl Acetate	3.82	43	822278	103.573	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96538	19.945	ug/l	99
25) 2-Butanone	4.70	43	191553	92.161	ug/l	99
26) 2,2-Dichloropropane	4.59	77	64643	17.085	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	49458	18.275	ug/l	94
28) Bromochloromethane	5.02	49	41328	17.782	ug/l	99
29) Tetrahydrofuran	5.16	42	119349	89.062	ug/l	99
30) Chloroform	5.21	83	86049	18.423	ug/l	99
31) Cyclohexane	5.57	56	70819	18.503	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	72503	18.304	ug/l	98
36) 1,1-Dichloropropene	5.81	75	60450	19.072	ug/l	99
37) Ethyl Acetate	4.86	43	71931	18.871	ug/l	99
38) Carbon Tetrachloride	5.79	117	62437	18.830	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74231	19.120	ug/l	96
40) Benzene	6.15	78	184165	18.950	ug/l	100
41) Methacrylonitrile	5.06	41	41560	19.046	ug/l	99
42) 1,2-Dichloroethane	6.20	62	76969	19.934	ug/l	100
43) Isopropyl Acetate	6.46	43	122195	18.874	ug/l	100
44) Trichloroethene	7.22	130	51308	19.023	ug/l	100
45) 1,2-Dichloropropane	7.52	63	50526	19.258	ug/l	98
46) Dibromomethane	7.67	93	33993	19.113	ug/l	97
47) Bromodichloromethane	7.90	83	59907	18.624	ug/l	99
48) Methyl methacrylate	7.78	41	61525	18.919	ug/l	98
49) 1,4-Dioxane	7.76	88	24186	397.754	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	392500	97.350	ug/l	100
52) Toluene	8.79	92	119730	19.371	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	71298	18.483	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	66724	18.334	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	50857	20.005	ug/l	97
56) Ethyl methacrylate	9.18	69	75664	18.642	ug/l	99
57) 1,3-Dichloropropane	9.37	76	83837	19.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	181168	96.442	ug/l	100
59) 2-Hexanone	9.50	43	302360	97.091	ug/l	99
60) Dibromochloromethane	9.59	129	48736	19.059	ug/l	100
61) 1,2-Dibromoethane	9.68	107	52390	19.765	ug/l	100
64) Tetrachloroethene	9.34	164	56926	19.080	ug/l	99
65) Chlorobenzene	10.14	112	138560	19.248	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	49949	19.163	ug/l	99
67) Ethyl Benzene	10.26	91	232763	19.321	ug/l	99
68) m/p-Xylenes	10.36	106	182097	38.885	ug/l	100
69) o-Xylene	10.70	106	87774	18.835	ug/l	97
70) Styrene	10.71	104	147350	19.341	ug/l	99
71) Bromoform	10.86	173	35154	17.475	ug/l	99
73) Isopropylbenzene	11.02	105	243758	19.149	ug/l	100
74) N-amyl acetate	6.46	43	122195	17.815	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	76706	19.159	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	66462m	16.553	ug/l	
77) Bromobenzene	11.26	156	66450	18.594	ug/l	99
78) n-propylbenzene	11.37	91	281194	19.874	ug/l	100
79) 2-Chlorotoluene	11.43	91	164709	18.437	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	209683	19.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17601	15.366	ug/l	86
82) 4-Chlorotoluene	11.51	91	195507	18.959	ug/l	100
83) tert-Butylbenzene	11.77	119	204301	19.215	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	213788	19.022	ug/l	99
85) sec-Butylbenzene	11.95	105	254899	20.450	ug/l	99
86) p-Isopropyltoluene	12.07	119	229636	20.226	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	123402	19.312	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	125273	19.020	ug/l	100
89) n-Butylbenzene	12.39	91	201688	21.181	ug/l	100
90) Hexachloroethane	12.60	117	30814	17.002	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	124027	18.760	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15263	17.433	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

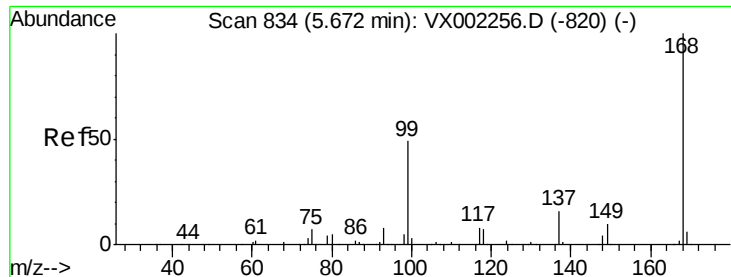
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93143	20.093	ug/l	99
94) Hexachlorobutadiene	13.79	225	49773	21.728	ug/l	99
95) Naphthalene	13.84	128	254774	19.128	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94220	19.929	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion:168 Resp: 211980

Ion Ratio Lower Upper

168 100

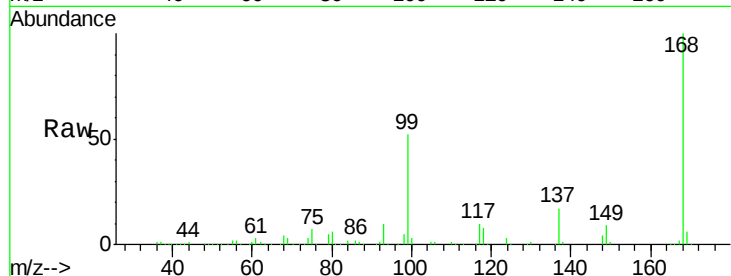
99 51.8 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

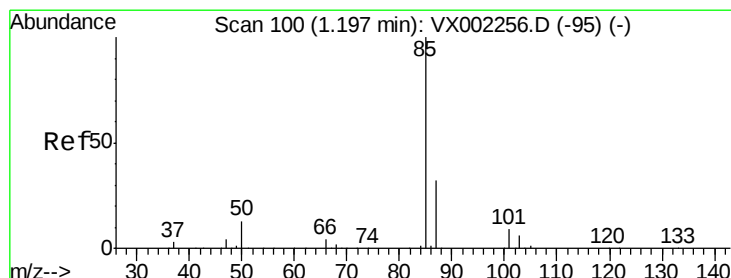
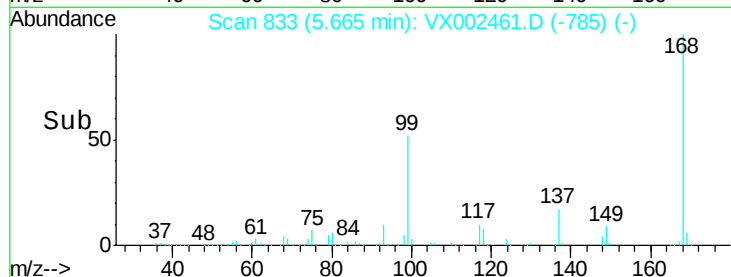
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.256 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002461.D

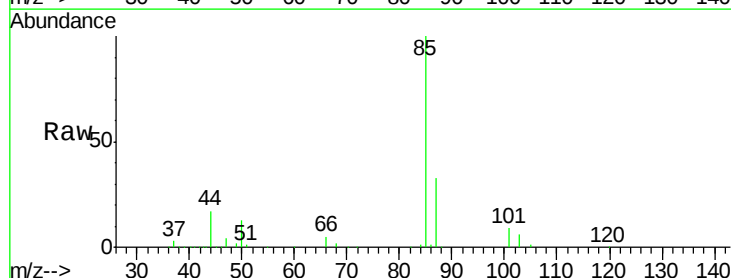
Acq: 12 Jun 2018 12:51

Tgt Ion: 85 Resp: 40228

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

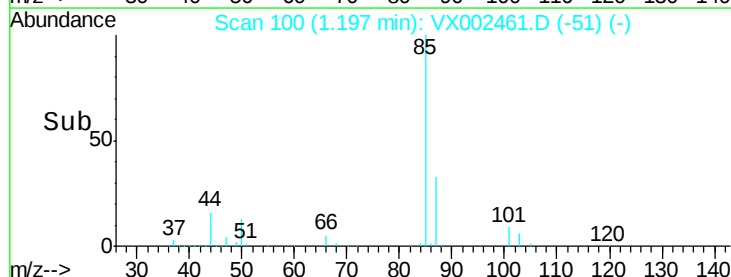
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.361 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 50 Resp: 46188

Ion Ratio Lower Upper

50 100

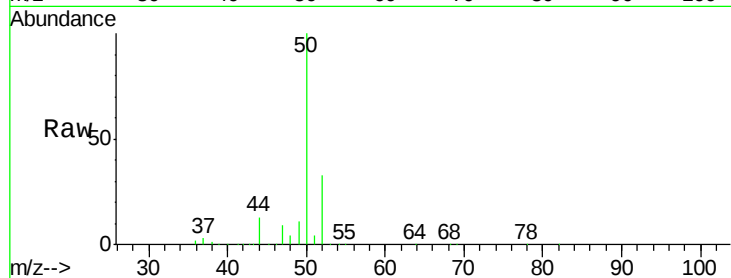
52 33.3 25.7 38.5

Manual Integrations

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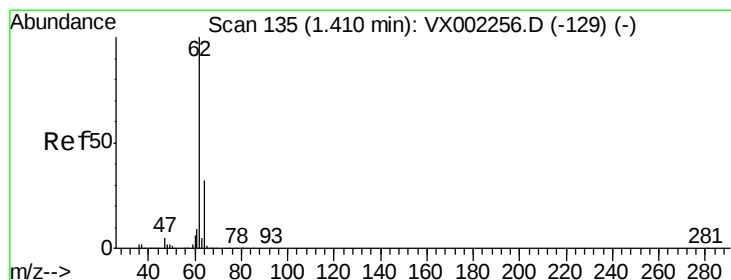
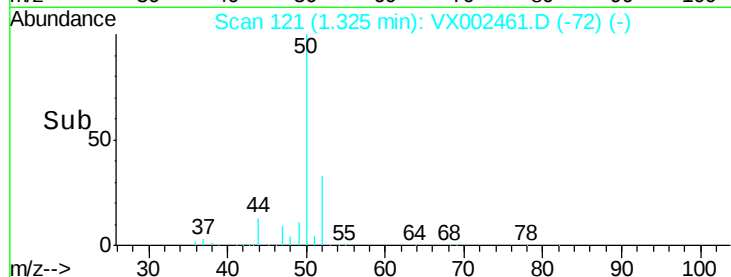
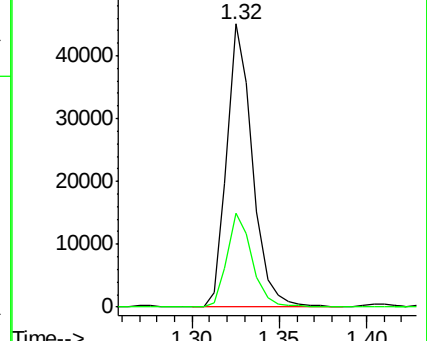
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.639 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002461.D

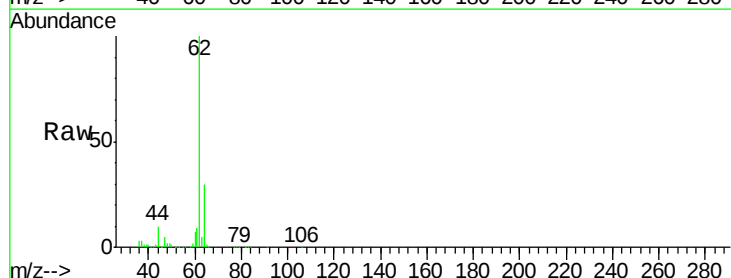
Acq: 12 Jun 2018 12:51

Tgt Ion: 62 Resp: 51765

Ion Ratio Lower Upper

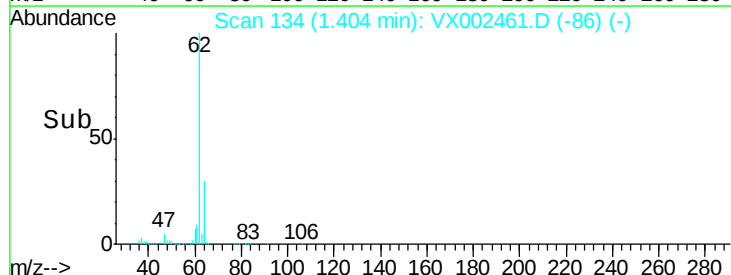
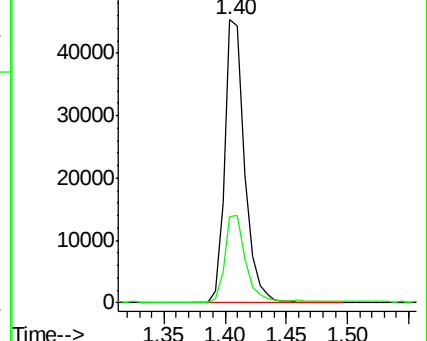
62 100

64 30.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.167 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 94 Resp: 28958

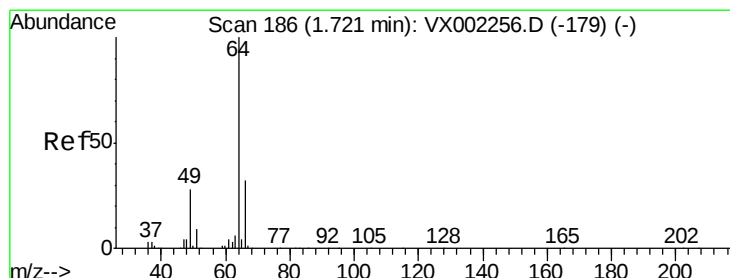
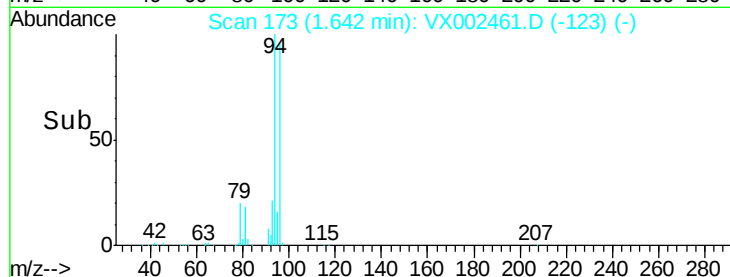
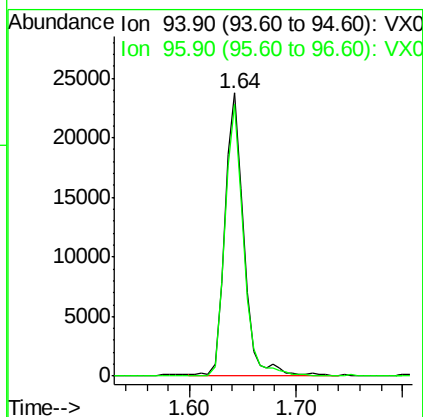
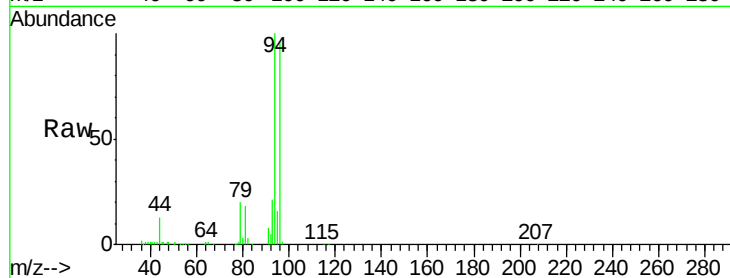
Ion Ratio Lower Upper

94 100

96 96.2 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 20.214 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002461.D

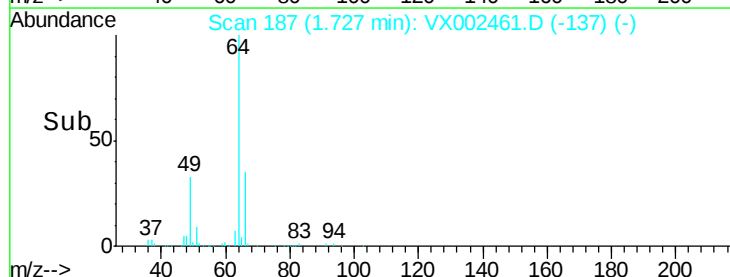
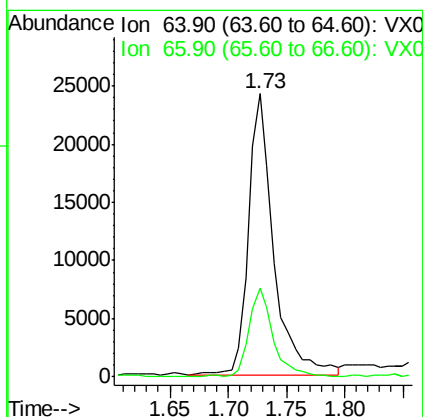
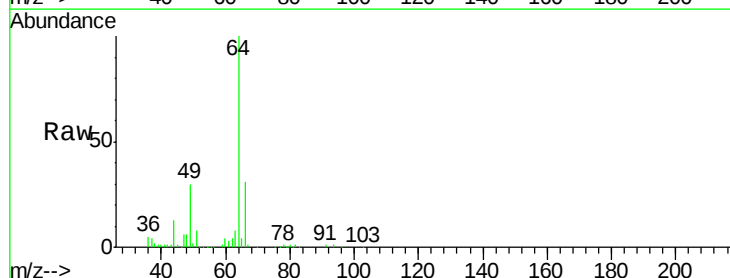
Acq: 12 Jun 2018 12:51

Tgt Ion: 64 Resp: 36315

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

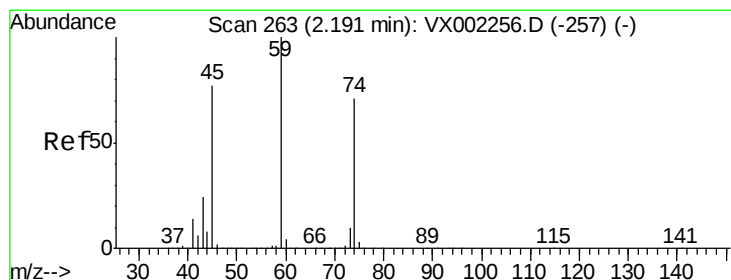
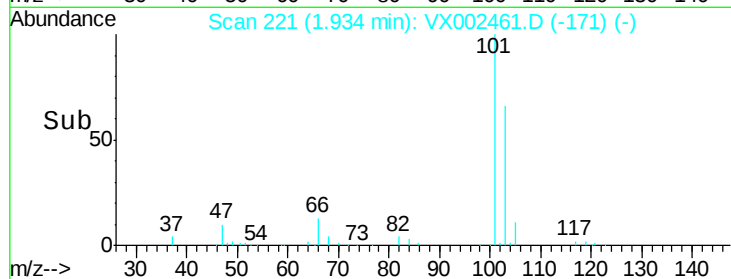
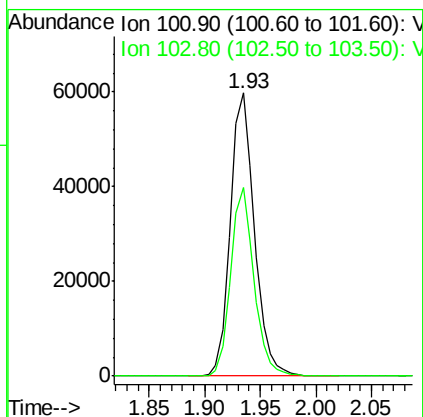
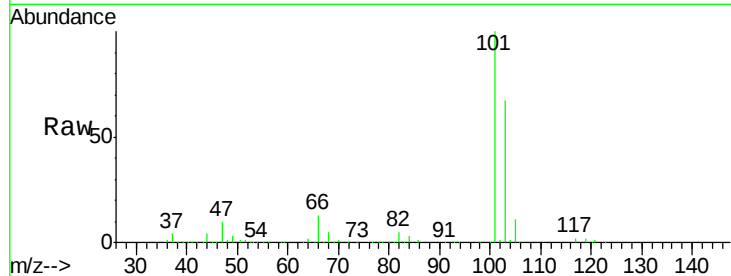
Trichlorofluoromethane
Concen: 21.187 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		89652		
103	66.6	52.8	79.2		

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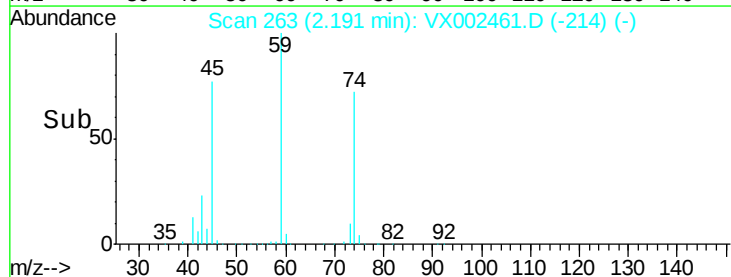
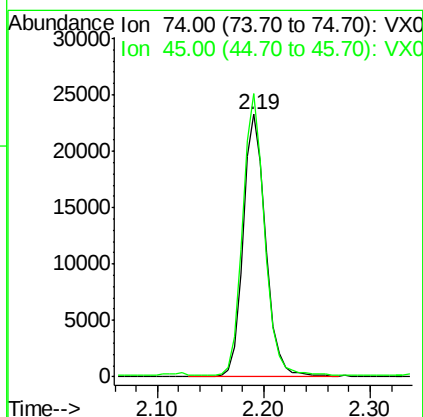
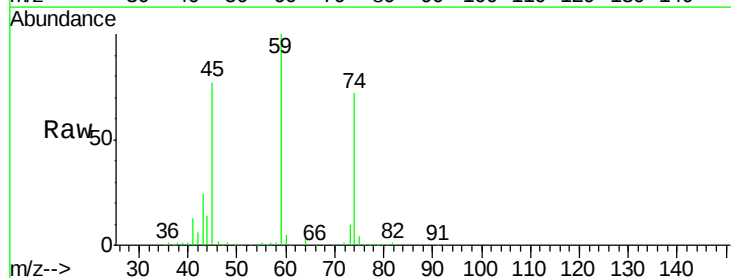
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#8

Diethyl Ether
Concen: 21.706 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34678		
45	103.8	53.1	159.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.997 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

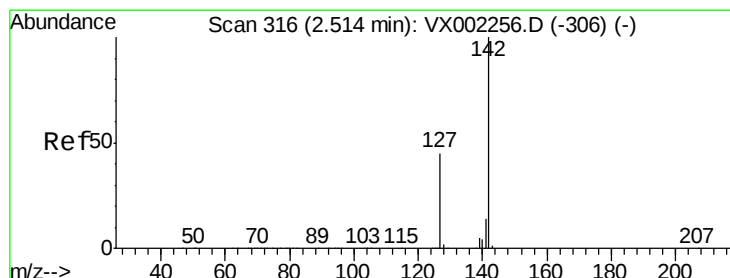
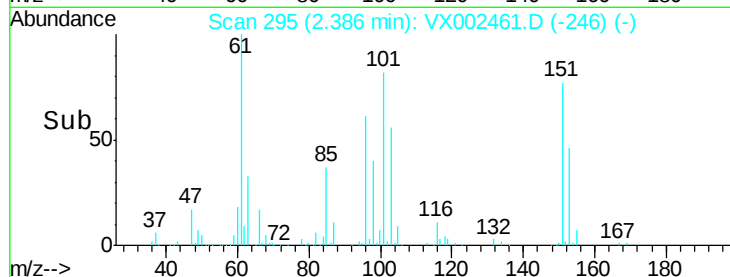
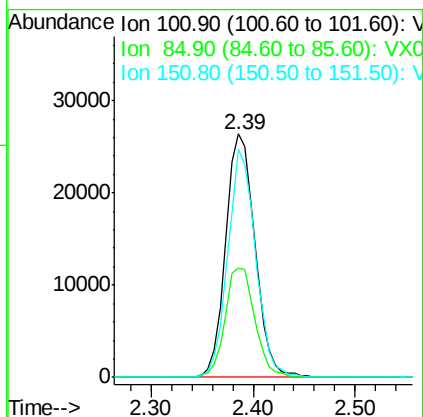
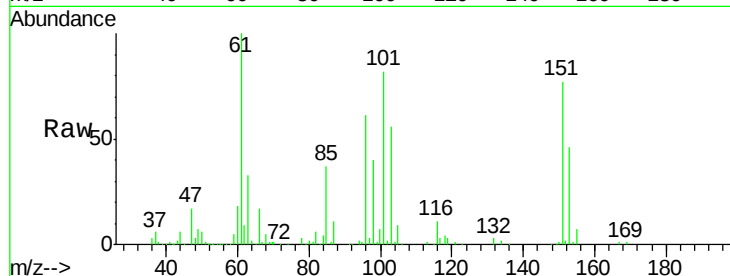
ClientSampled :

VX0612WBSD01

Tot Ion:	101	Resp:	52514
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	88.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 14.563 ug/l

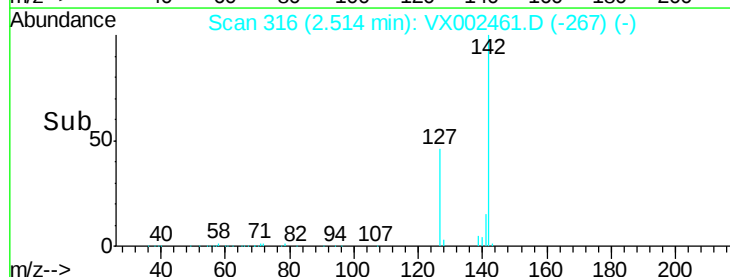
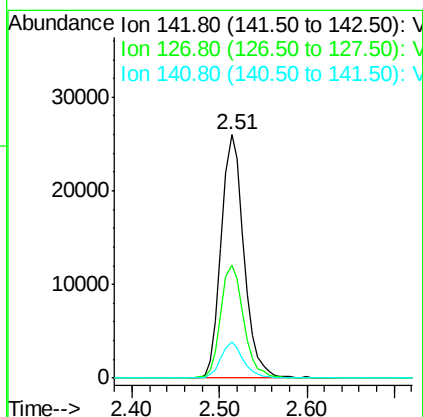
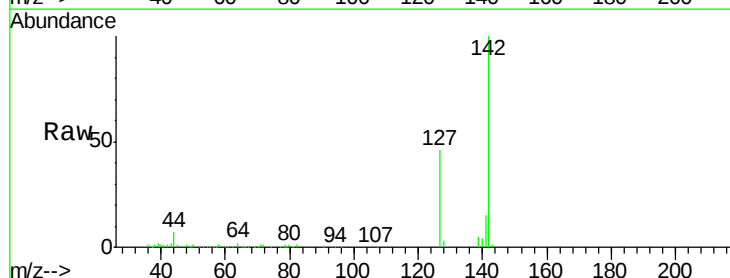
RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	142	Resp:	46773
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.6	55.0
141	14.6	11.3	16.9





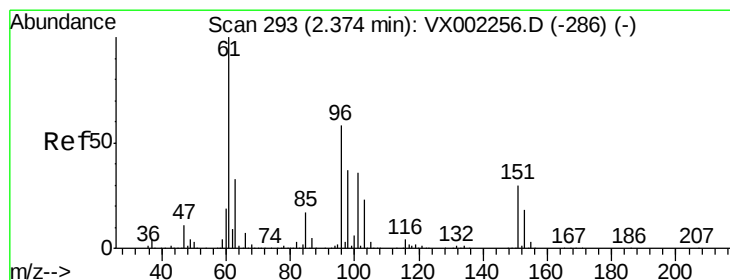
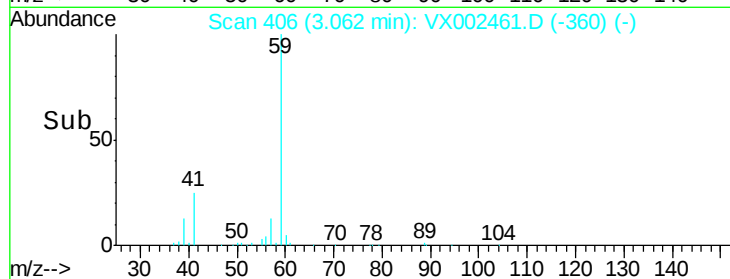
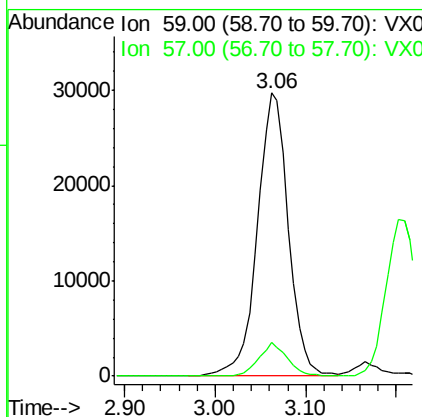
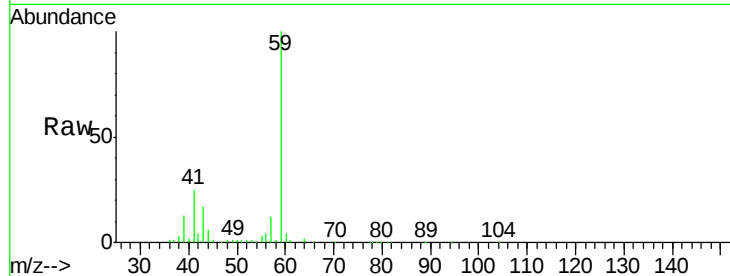
#11
Tert butyl alcohol
Concen: 101.640 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion: 59 Resp: 70441
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

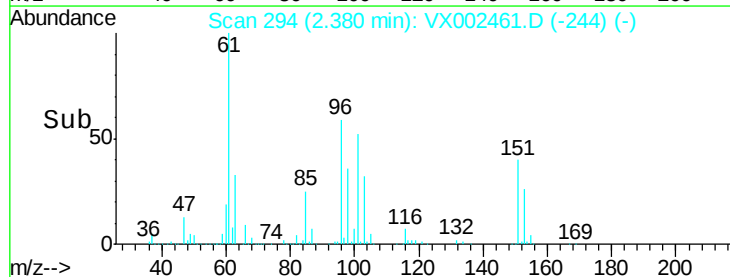
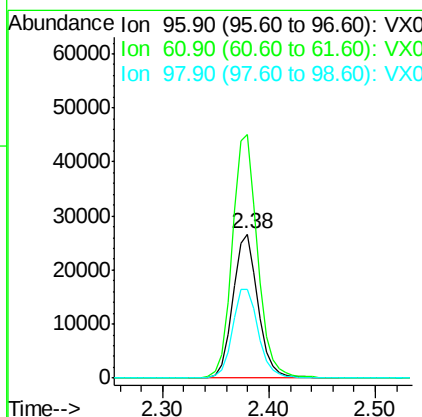
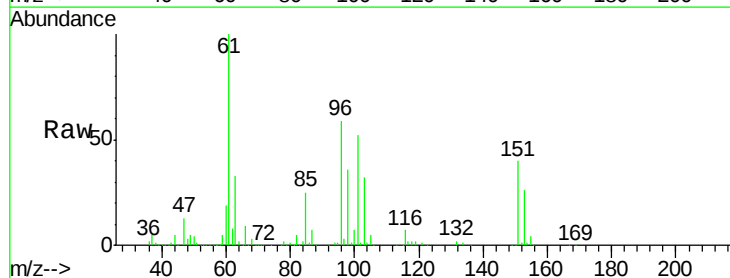
Manual Integrations
APPROVED

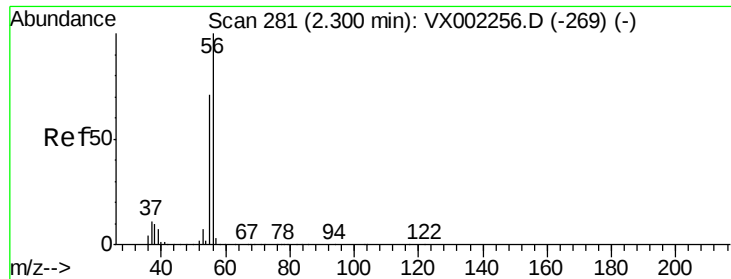
MMDadoda
6/13/2018 1:59:35 PM



#12
1,1-Dichloroethene
Concen: 19.582 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion: 96 Resp: 44191
Ion Ratio Lower Upper
96 100
61 169.0 137.9 206.9
98 61.2 51.6 77.4





#13

Acrolein

Concen: 71.963 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampled :

VX0612WBSD01

Tot Ion: 56 Resp: 23751

Ion Ratio Lower Upper

56 100

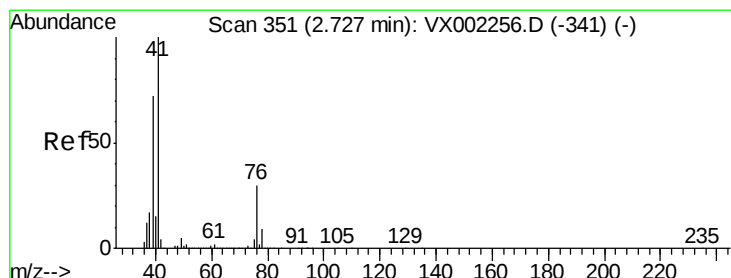
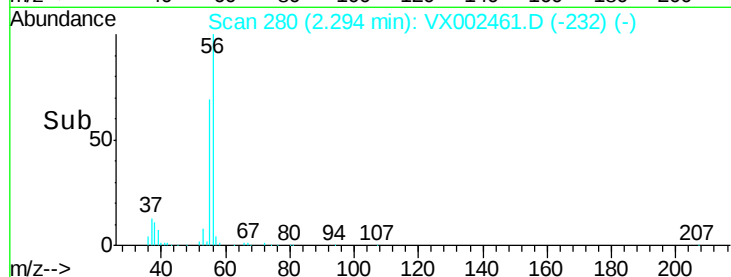
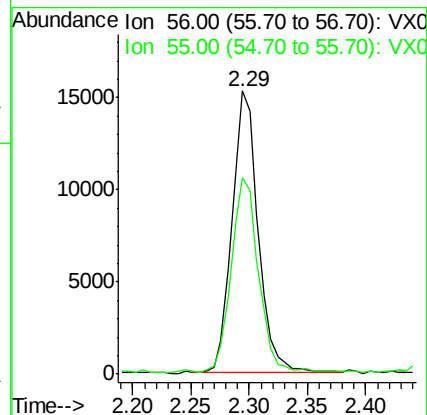
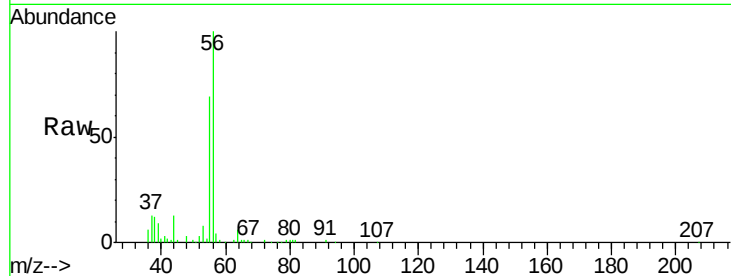
55 72.0 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 18.529 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

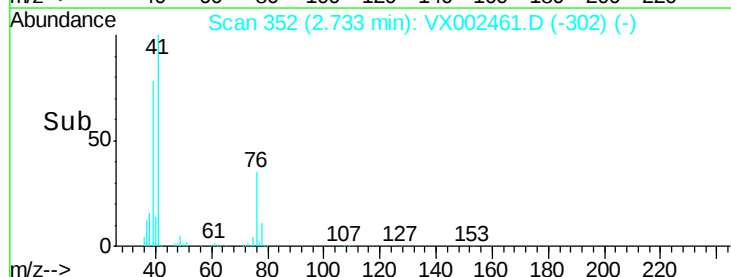
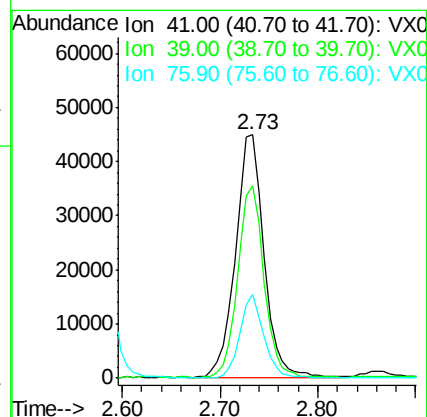
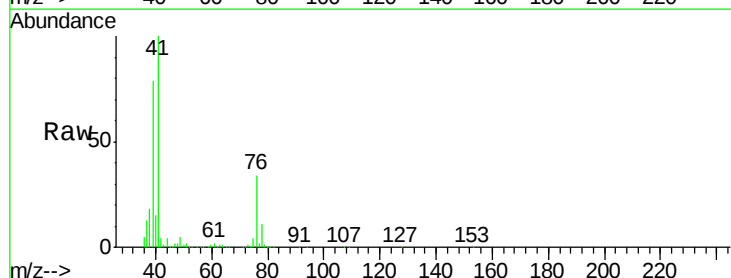
Tgt Ion: 41 Resp: 90741

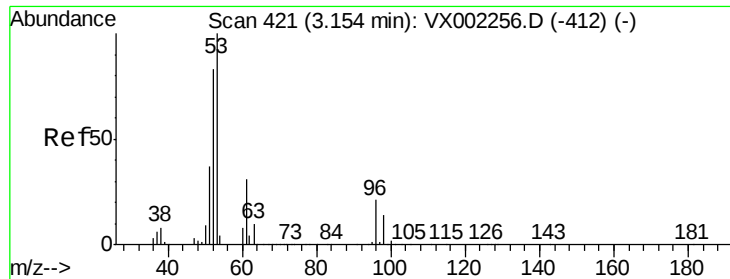
Ion Ratio Lower Upper

41 100

39 72.6 56.8 85.2

76 29.0 23.8 35.8





#15

Acrylonitrile

Concen: 108.135 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

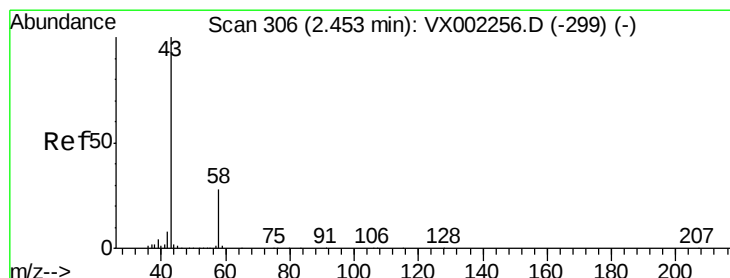
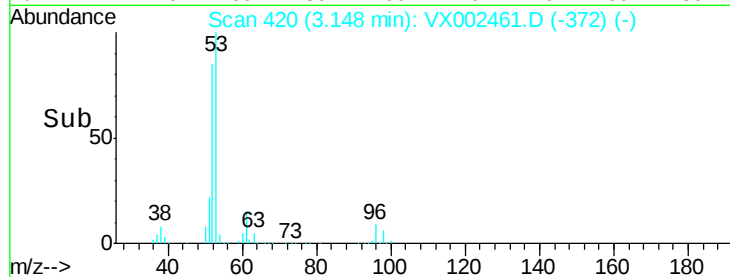
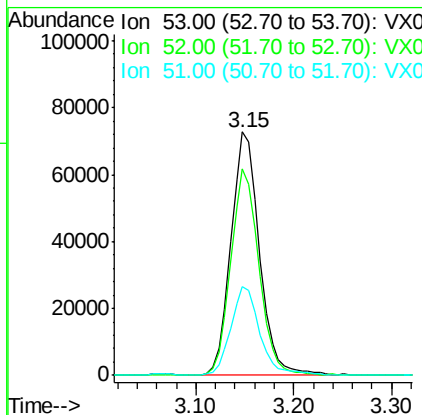
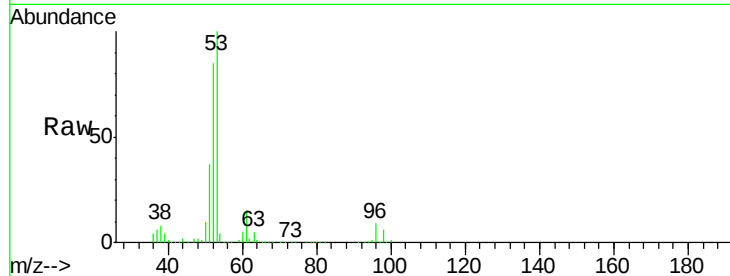
ClientSampleId :

VX0612WBSD01

Tot Ion:	53	Resp:	146599
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.7	100.1
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 111.985 ug/l

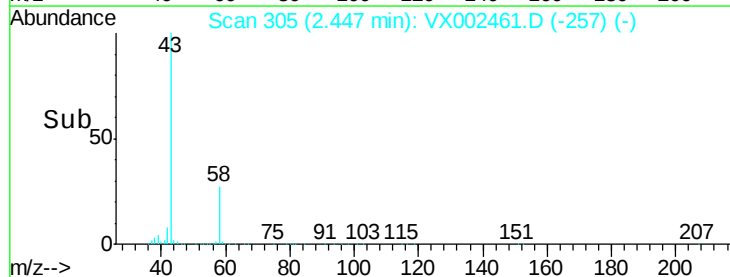
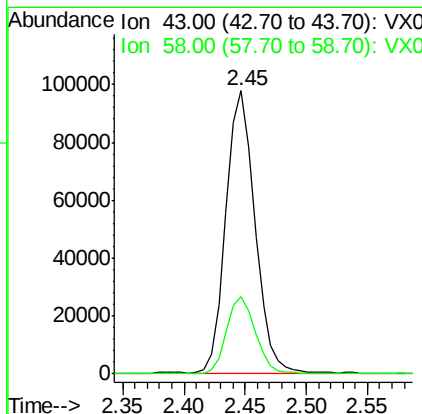
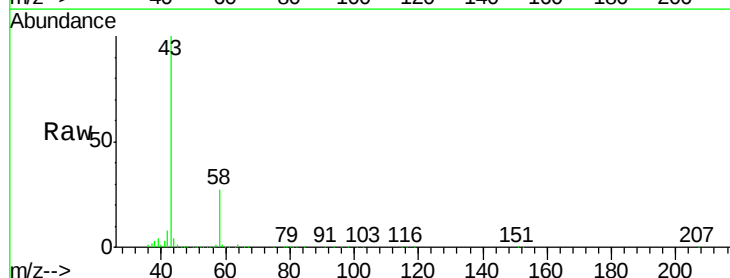
RT: 2.45 min Scan# 305

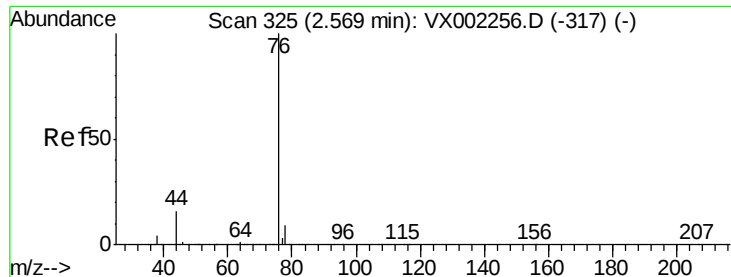
Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	43	Resp:	159792
Ion Ratio		Lower	Upper
43	100		
58	27.1	22.1	33.1





#17

Carbon Disulfide

Concen: 16.320 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 76 Resp: 97066

Ion Ratio Lower Upper

76 100

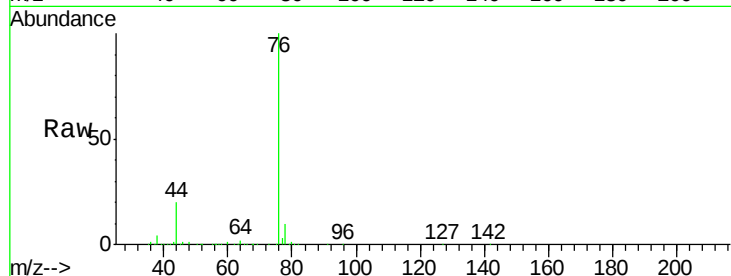
78 9.9 6.9 10.3

Manual Integrations

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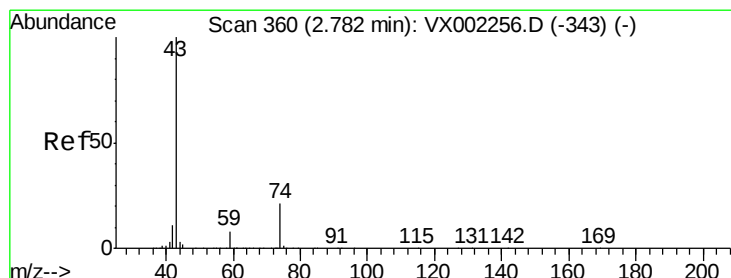
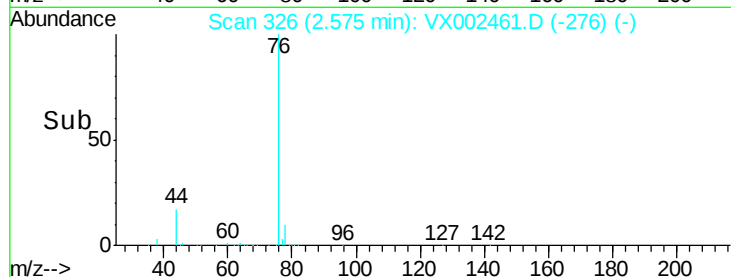
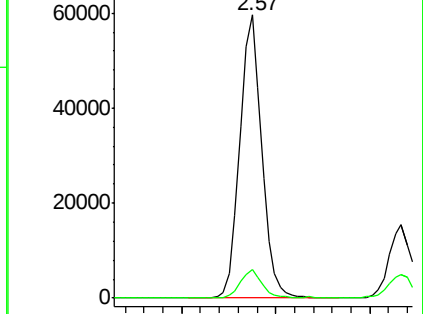
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.952 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002461.D

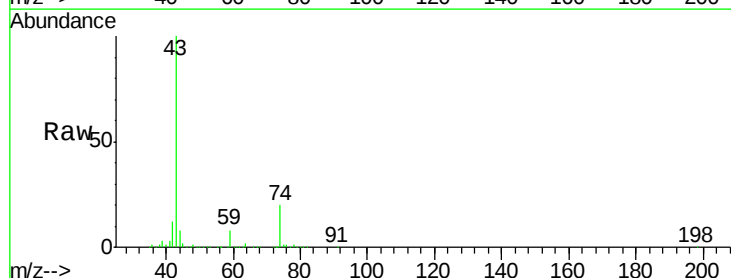
Acq: 12 Jun 2018 12:51

Tgt Ion: 43 Resp: 71263

Ion Ratio Lower Upper

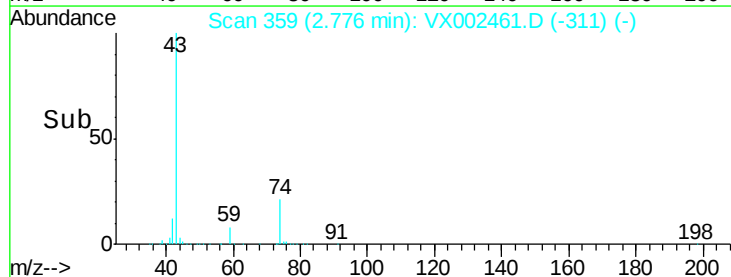
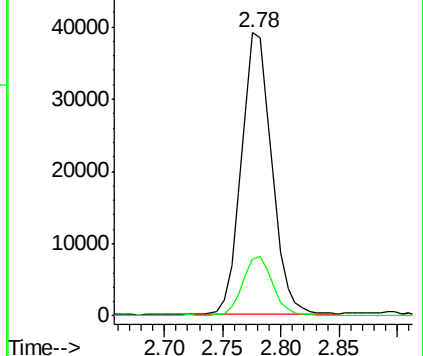
43 100

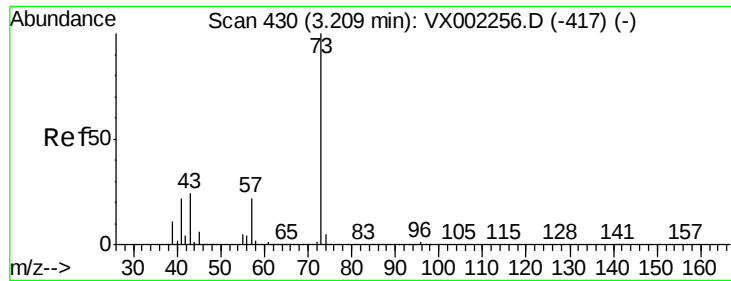
74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





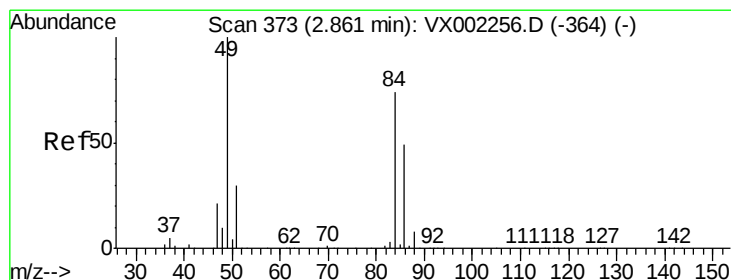
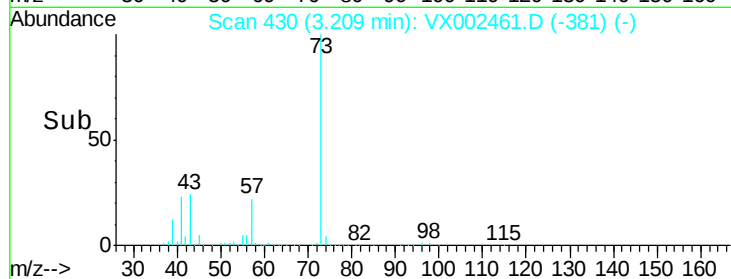
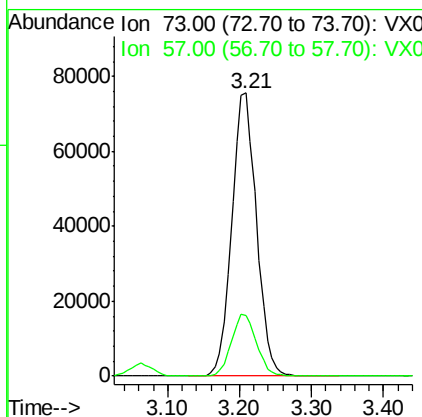
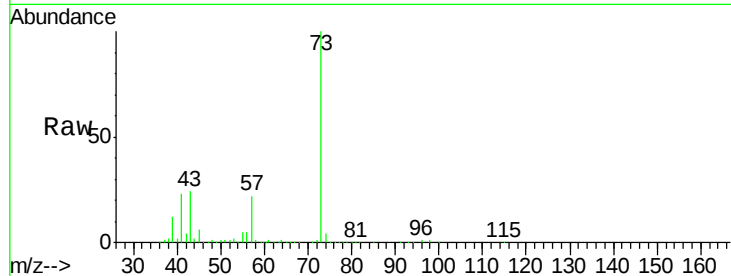
#19
Methvl tert-butvl Ether
Concen: 21.574 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion: 73 Resp: 180219
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

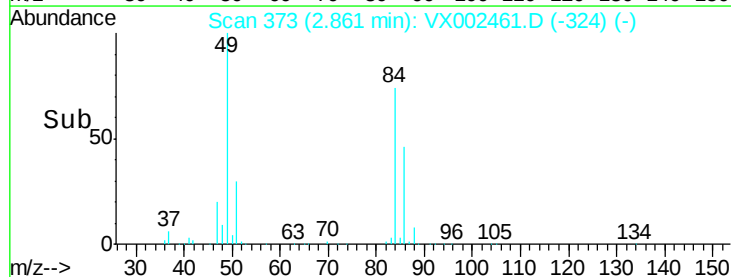
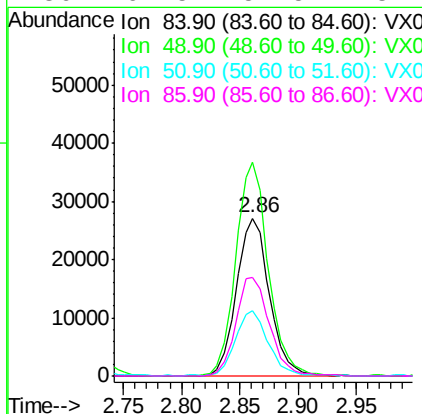
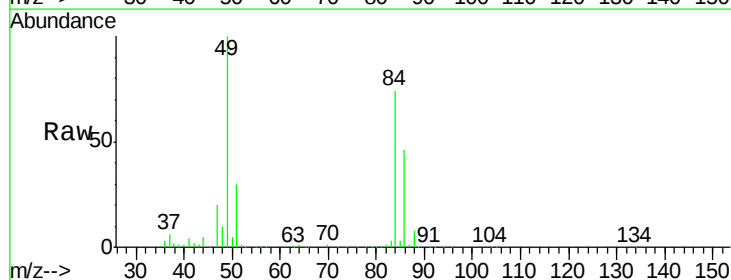
Manual Integrations
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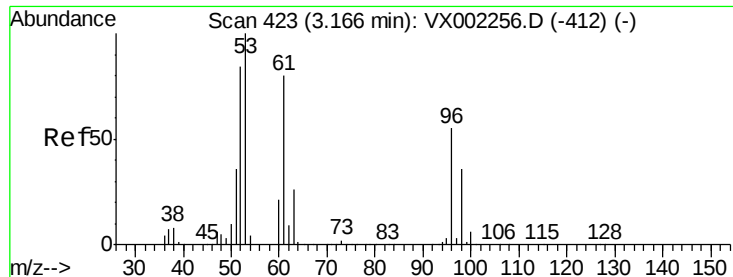
MMDadoda
6/13/2018 1:59:35 PM



#20
Methylene Chloride
Concen: 20.683 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion: 84 Resp: 53457
Ion Ratio Lower Upper
84 100
49 135.1 107.8 161.6
51 40.7 32.8 49.2
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.203 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 96 Resp: 47788

Ion Ratio Lower Upper

96 100

61 147.2 117.0 175.4

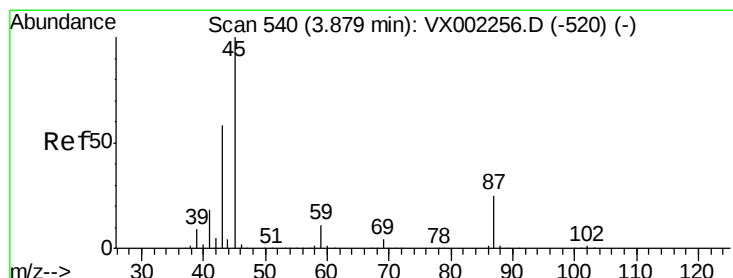
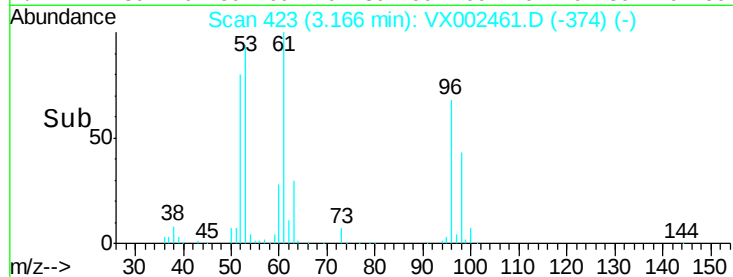
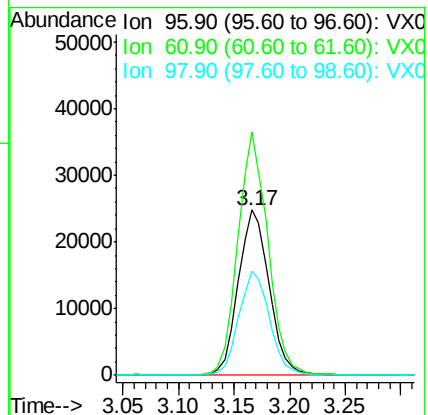
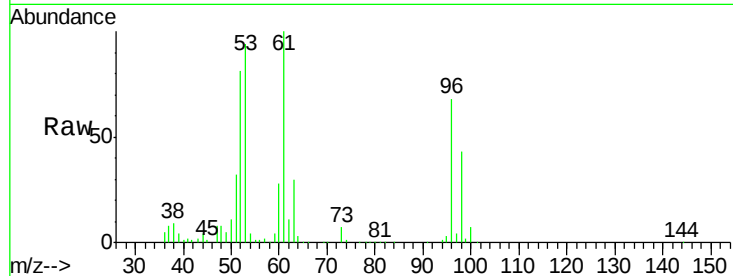
98 62.7 52.4 78.6

Manual Integrations

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6/13/2018 1:59:35 PM



#22

Diisopropyl ether

Concen: 21.992 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion: 45 Resp: 186745

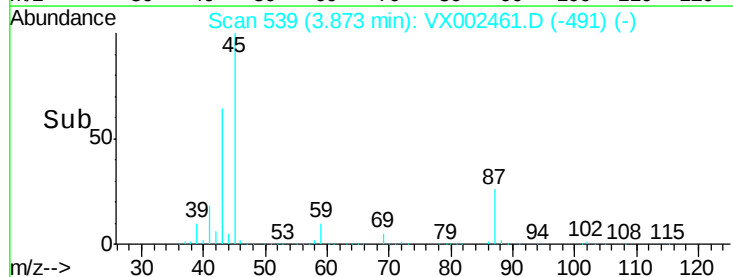
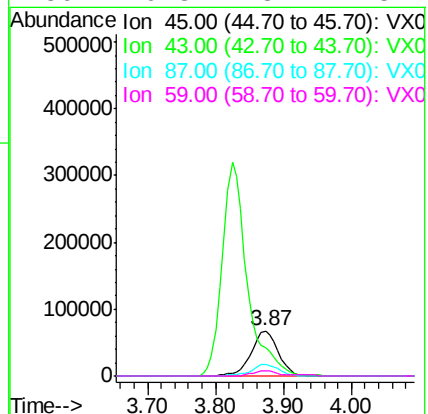
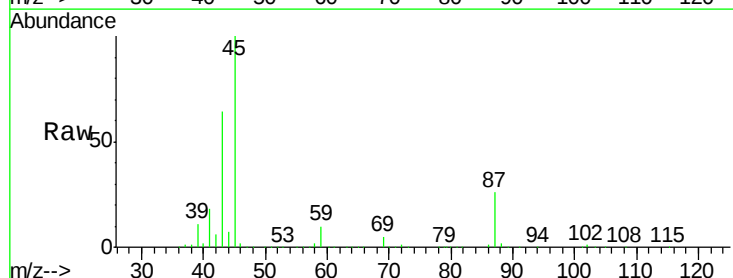
Ion Ratio Lower Upper

45 100

43 63.7 46.8 70.2

87 25.7 20.2 30.4

59 10.3 8.7 13.1





#23

Vinyl Acetate

Concen: 103.573 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 43 Resp: 822278

Ion Ratio Lower Upper

43 100

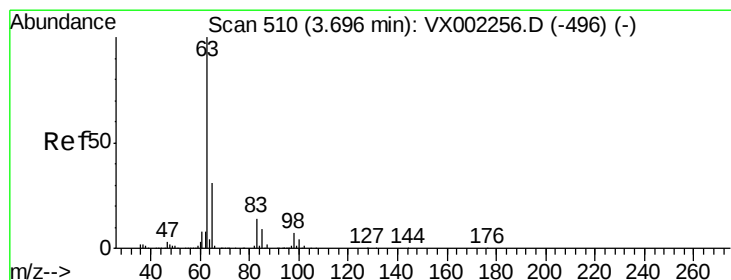
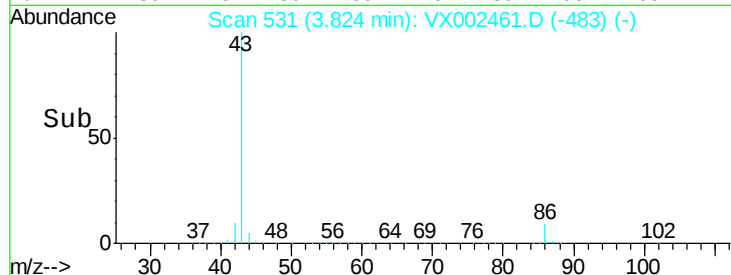
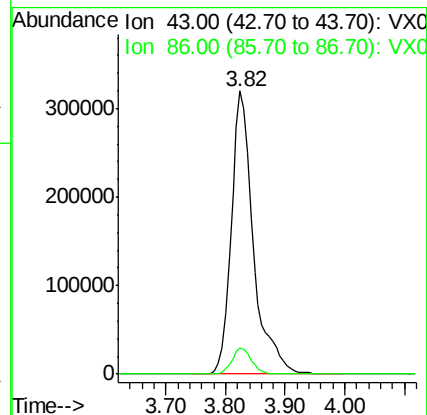
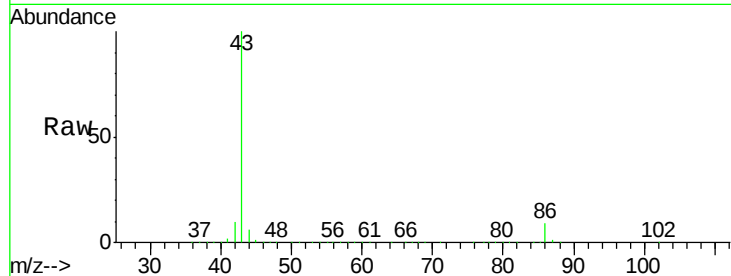
86 9.4 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.945 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

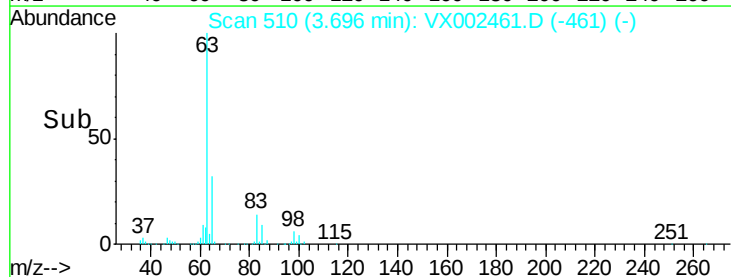
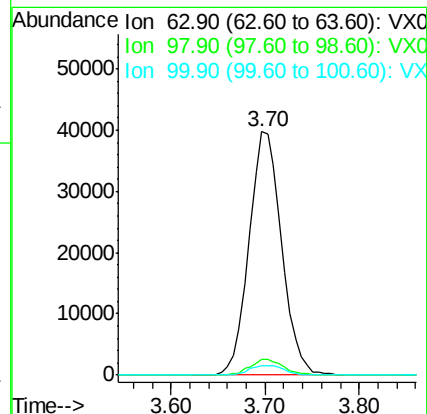
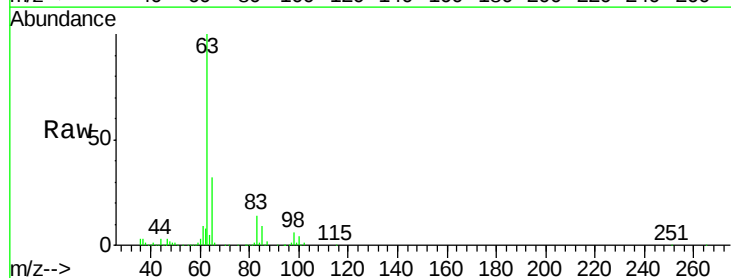
Tgt Ion: 63 Resp: 96538

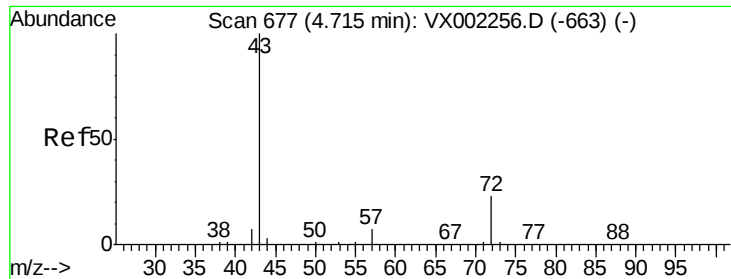
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 92.161 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 43 Resp: 191553

Ion Ratio Lower Upper

43 100

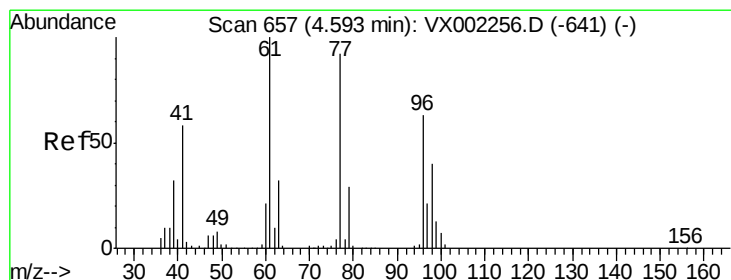
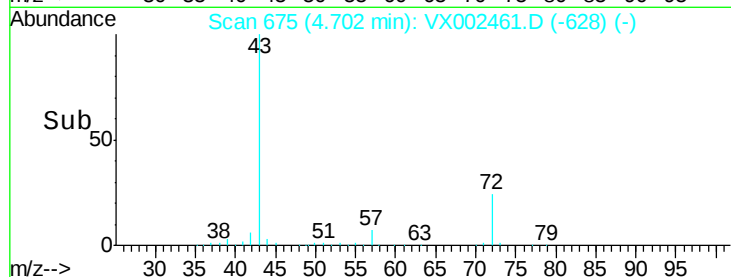
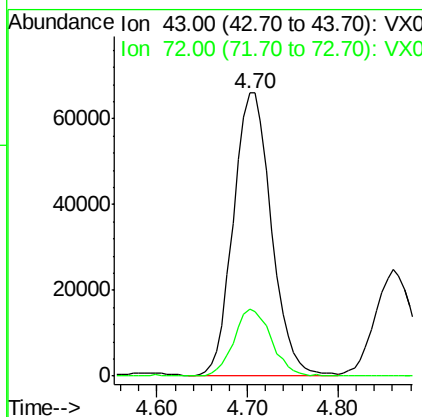
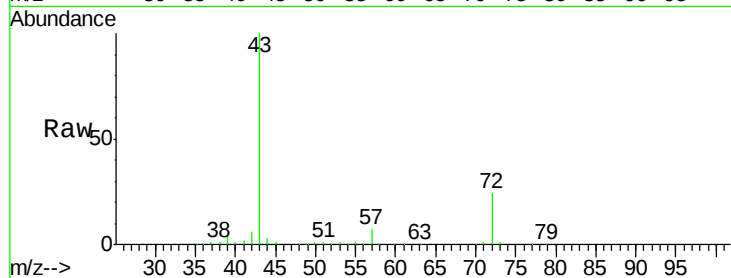
72 23.6 18.5 27.7

Manual Integrations

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6/13/2018 1:59:35 PM



#26

2,2-Dichloropropane

Concen: 17.085 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002461.D

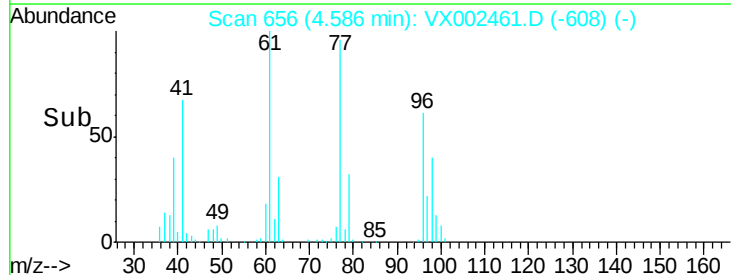
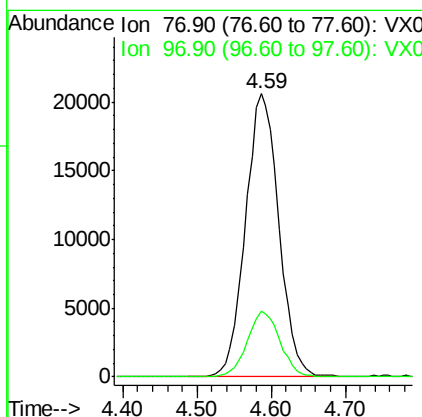
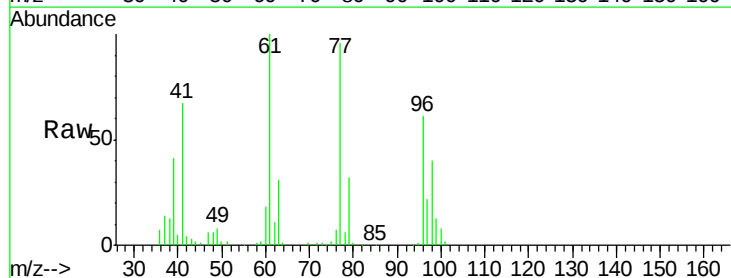
Acq: 12 Jun 2018 12:51

Tgt Ion: 77 Resp: 64643

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

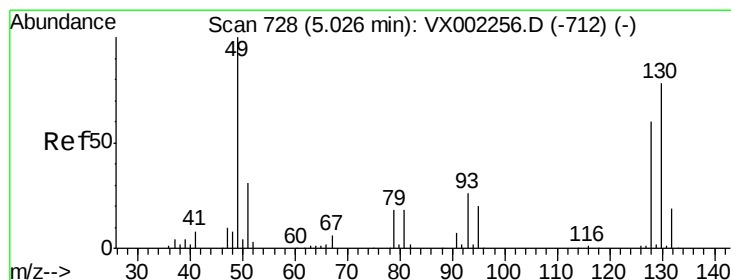
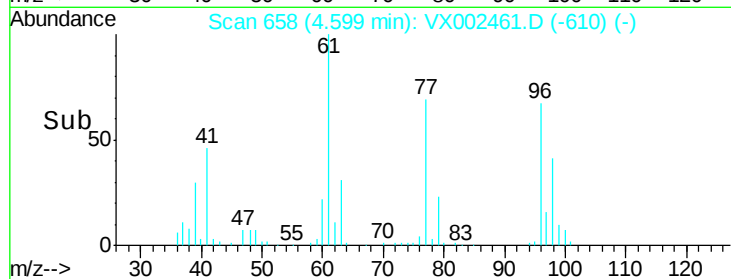
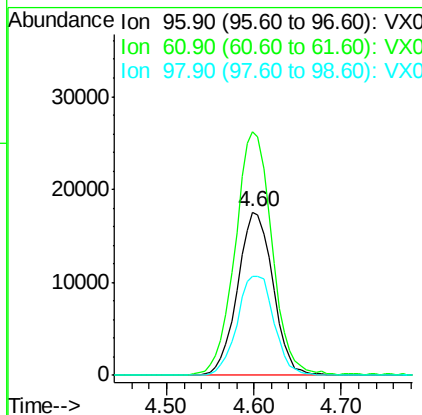
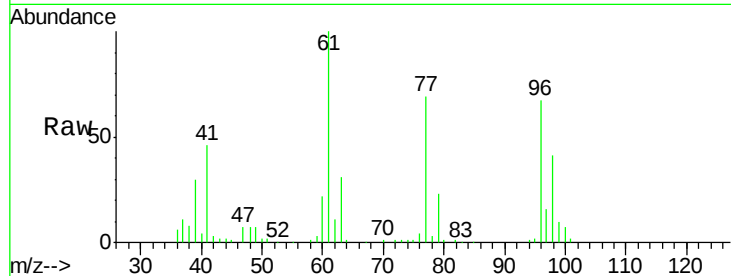
cis-1,2-Dichloroethene
Concen: 18.275 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	330.2
98	63.1	0.0	130.2

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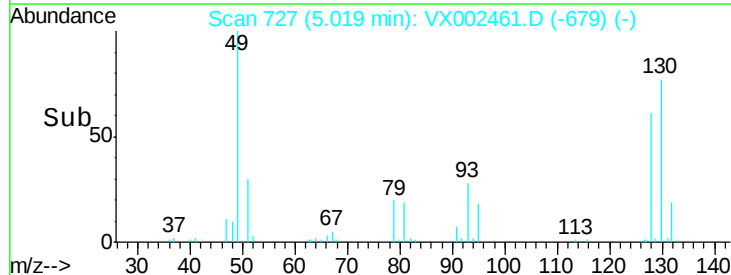
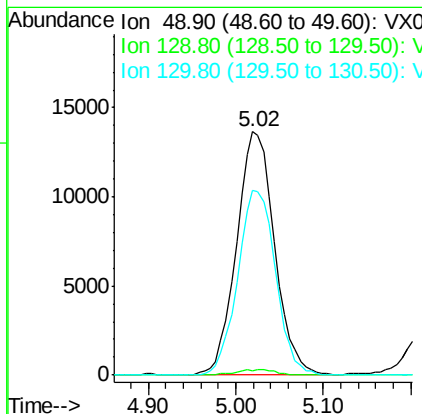
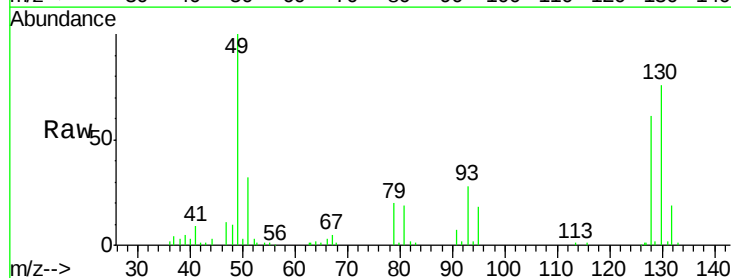
MMDadoda
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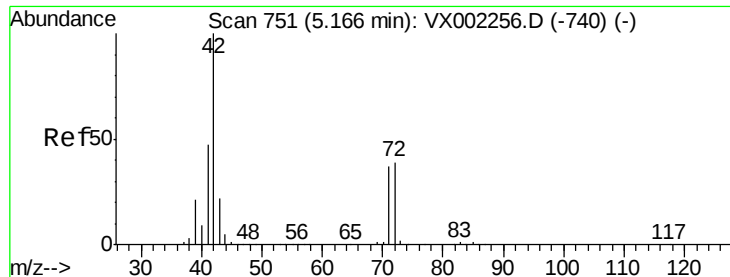


#28

Bromochloromethane
Concen: 17.782 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.2
130	75.6	61.2	91.8





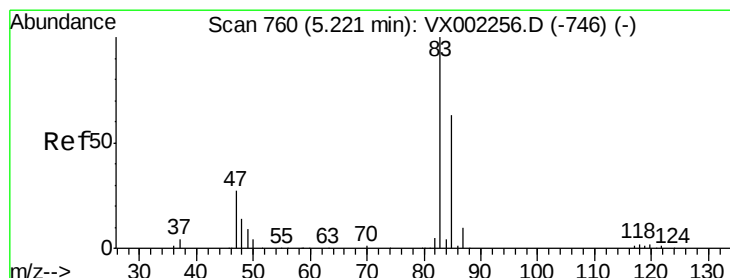
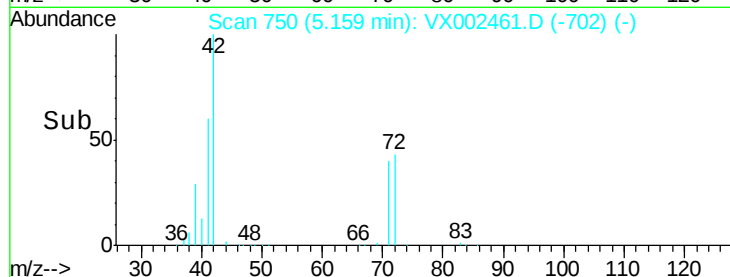
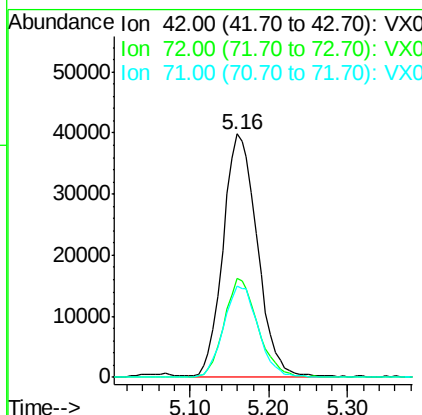
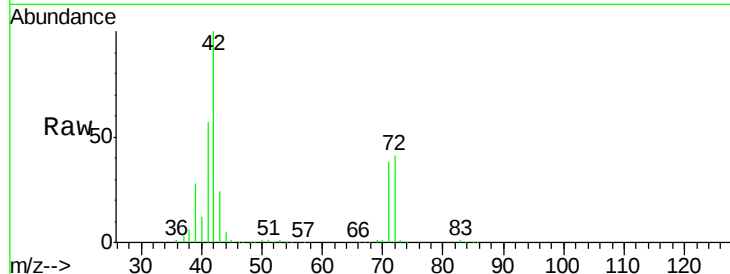
#29
Tetrahydrofuran
Concen: 89.062 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.0	30.1	45.1

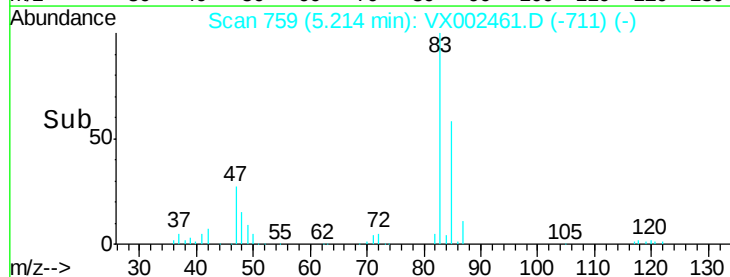
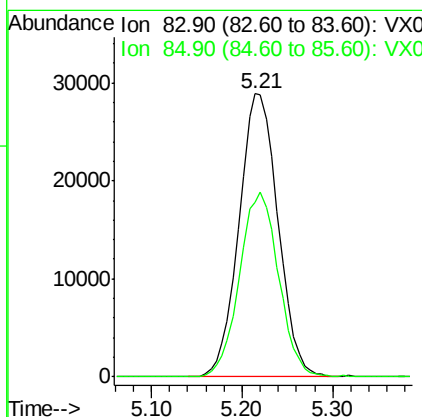
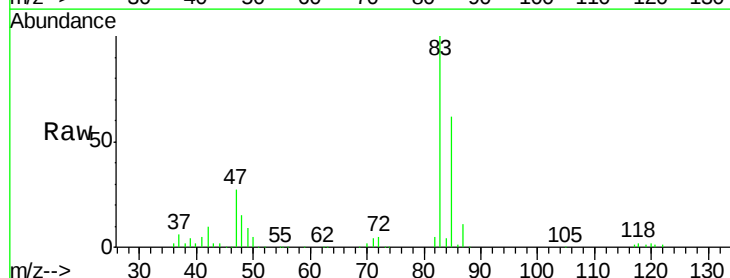
Manual Integrations
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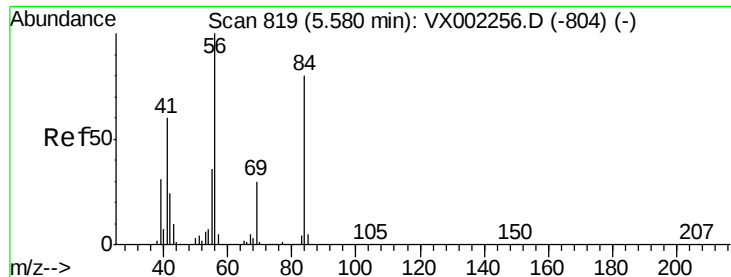
MMDadoda
6/13/2018 1:59:35 PM



#30
Chloroform
Concen: 18.423 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.4	75.6





#31

Cvclohexane

Concen: 18.503 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

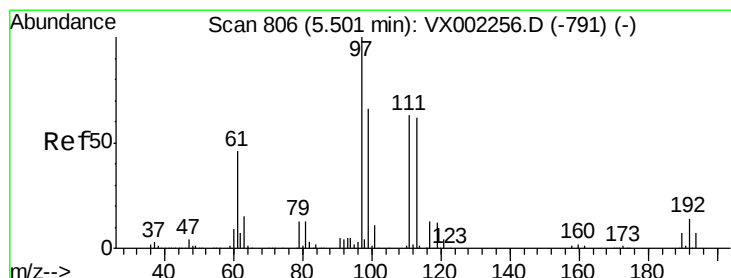
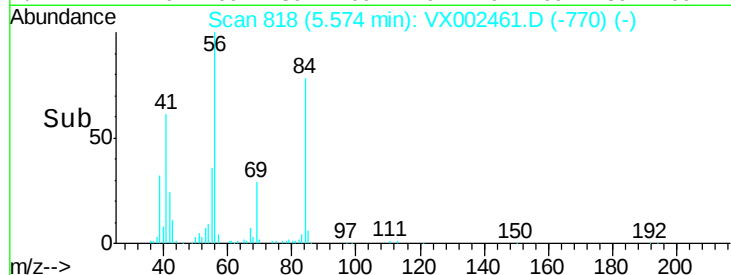
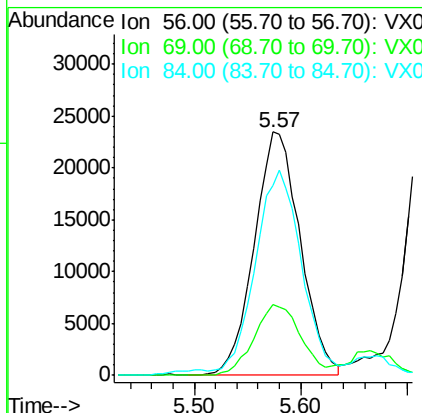
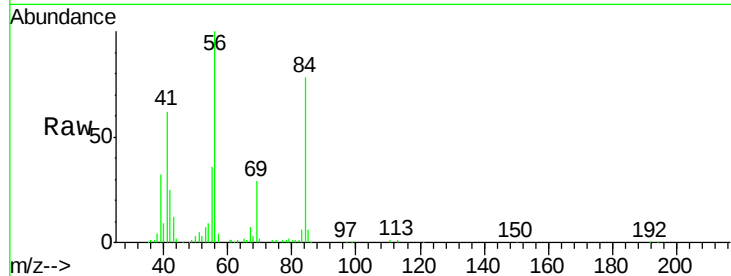
ClientSampleId :

VX0612WBSD01

Tot Ion:	56	Resp:	70819
Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.7	35.5
84	76.1	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 18.304 ug/l

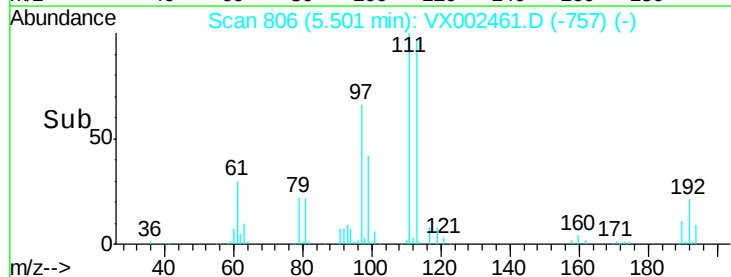
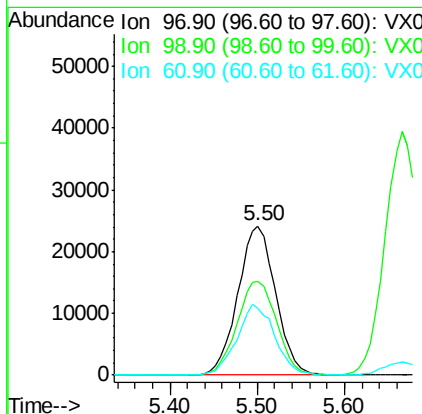
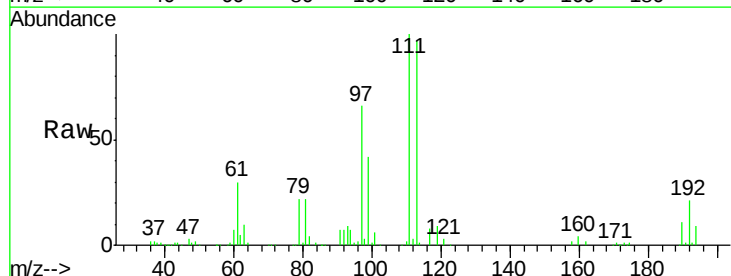
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	97	Resp:	72503
Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	47.4	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 45.246 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 65 Resp: 138152

Ion Ratio Lower Upper

65 100

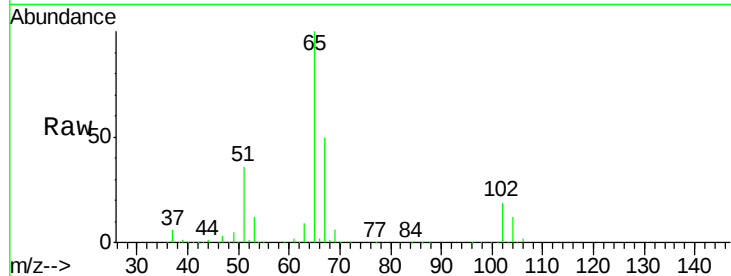
67 51.0 0.0 102.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

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6.65

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6.75

6.80

6.85

6.90

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18.60

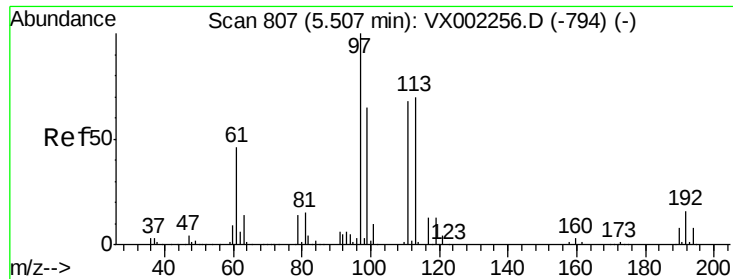
18.65

18.70

18.75

18.80

18.85



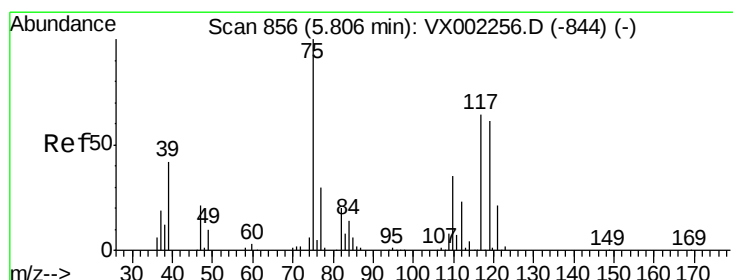
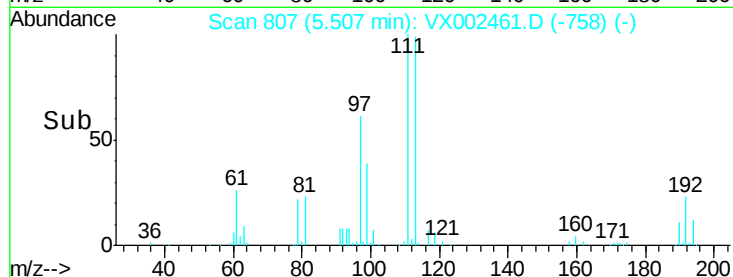
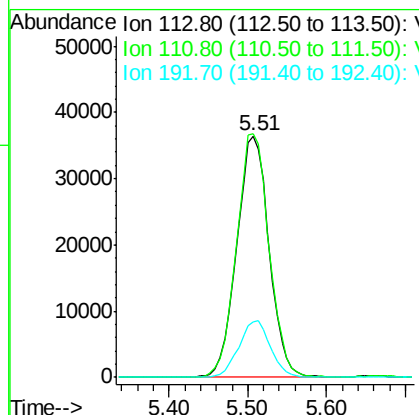
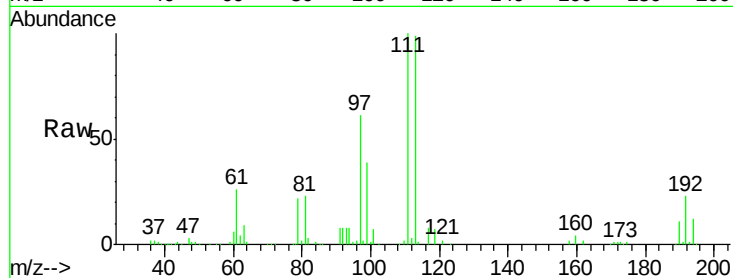
#35
 Dibromofluoromethane
 Concen: 43.696 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	81.4	122.0	
192	23.1	19.1	28.7	

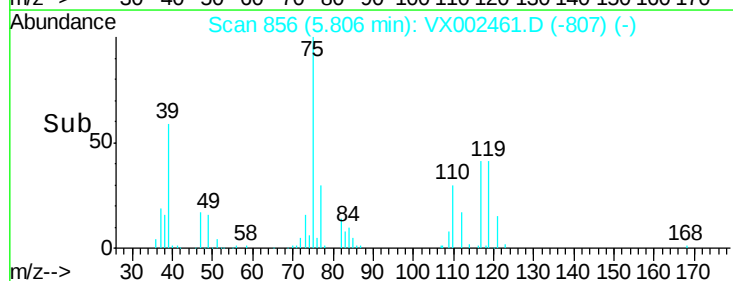
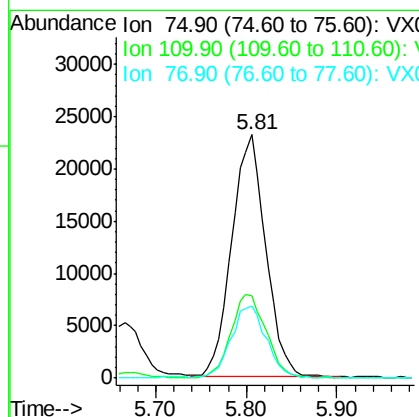
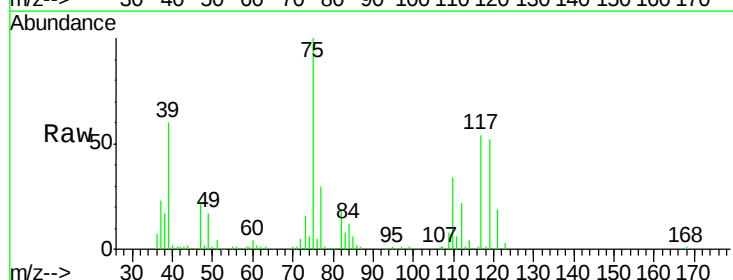
Manual Integrations
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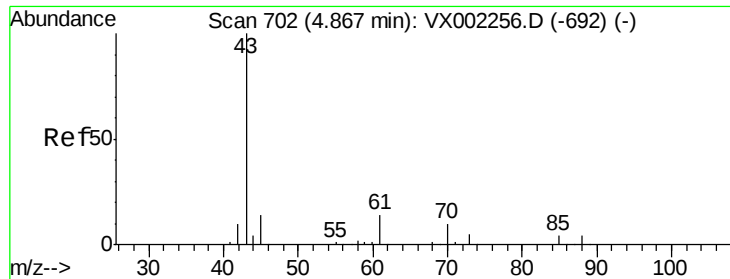
MMDadoda
 6/13/2018 1:59:35 PM



#36
 1,1-Dichloropropene
 Concen: 19.072 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.1	54.4	
77	31.2	24.3	36.5	





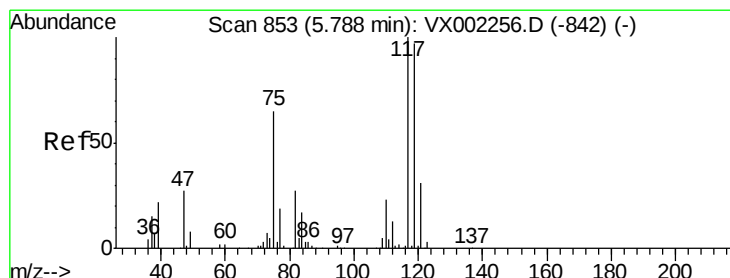
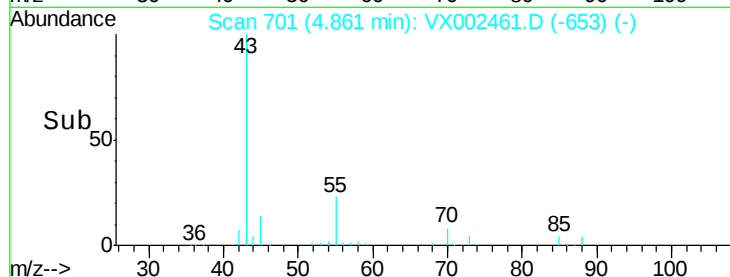
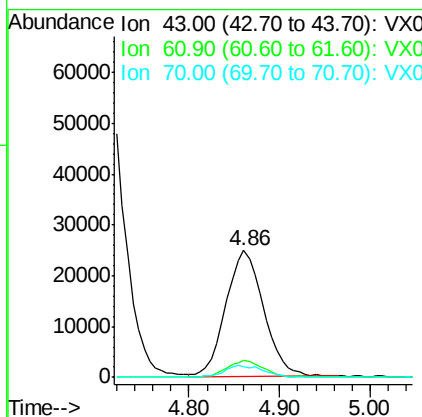
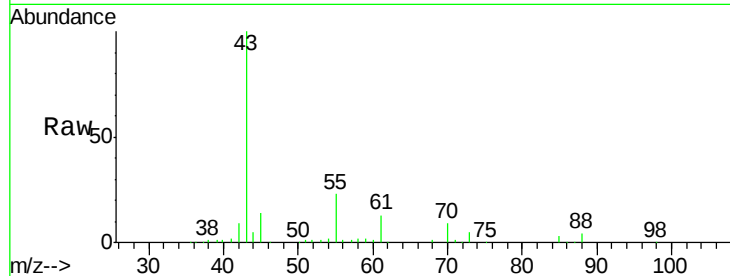
#37
Ethyl Acetate
Concen: 18.871 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.1	10.4	15.6	
70	9.9	7.6	11.4	

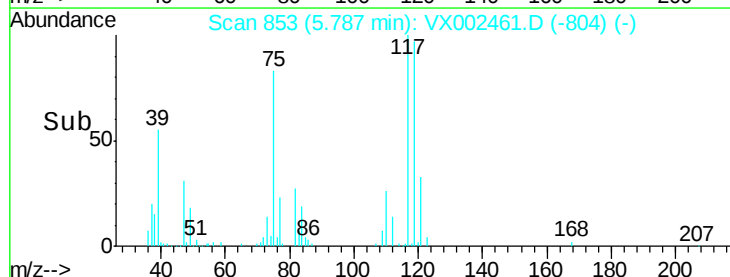
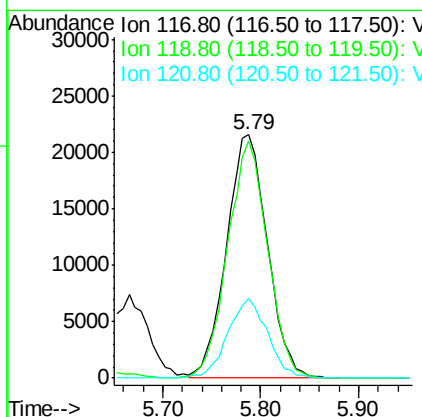
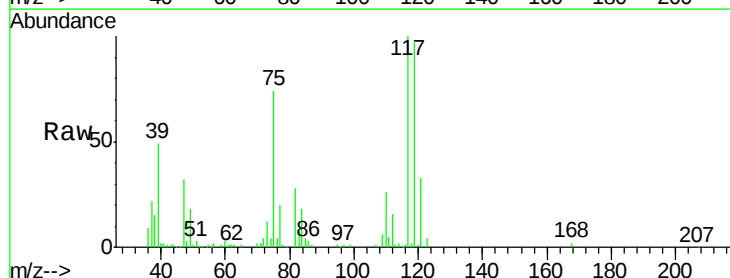
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#38
Carbon Tetrachloride
Concen: 18.830 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.3	77.4	116.0	
121	33.0	24.4	36.6	





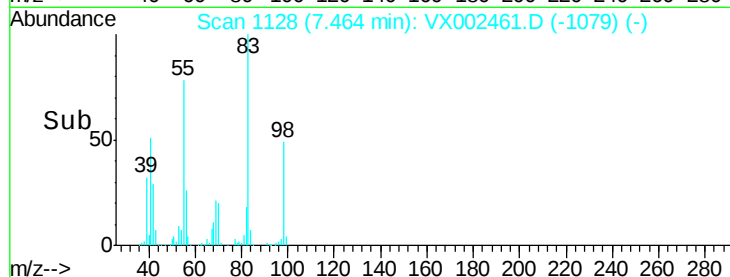
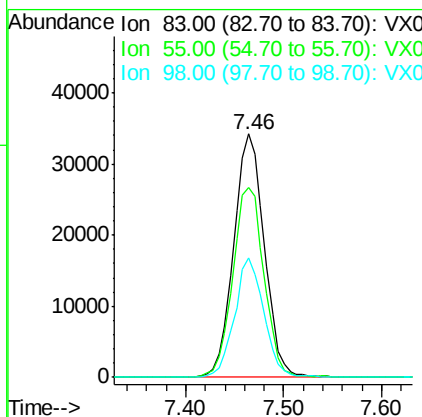
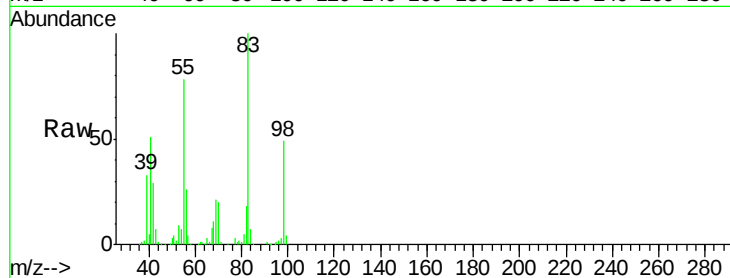
#39
Methylvlcyclohexane
Concen: 19.120 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	65.4	98.0
98	49.3	37.4	56.0

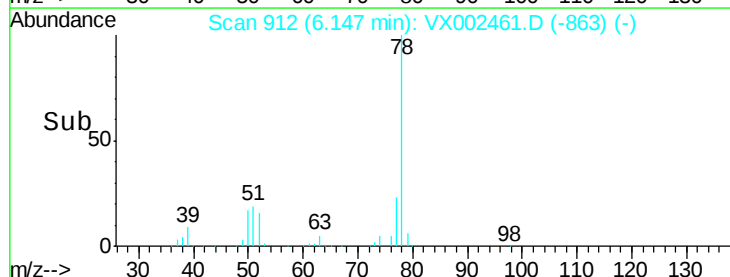
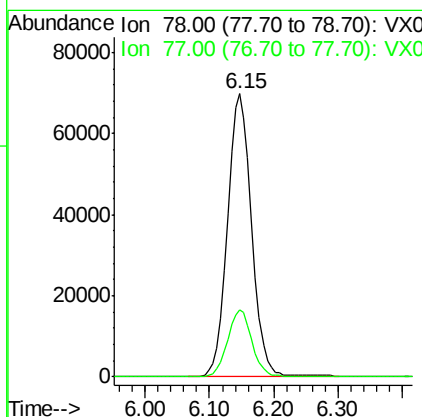
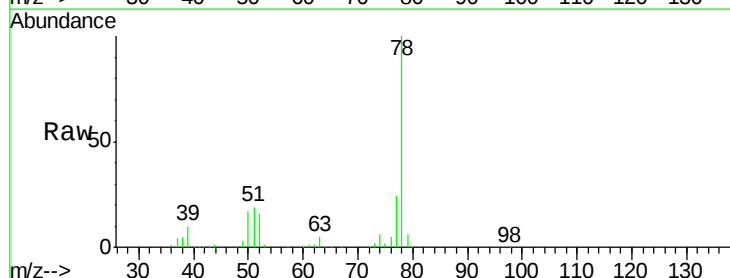
Manual Integrations
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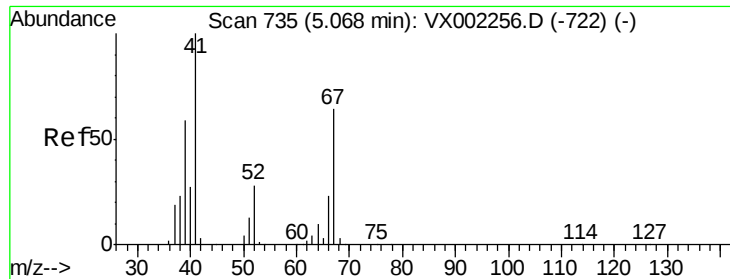
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6/13/2018 1:59:35 PM



#40
Benzene
Concen: 18.950 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





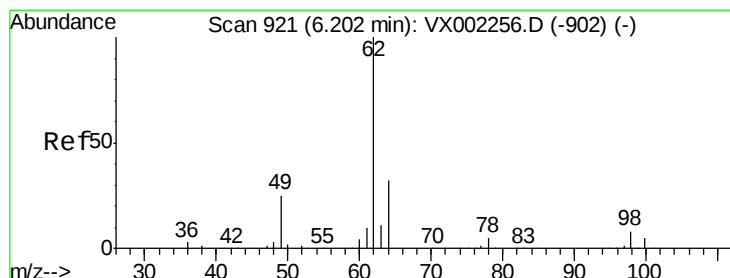
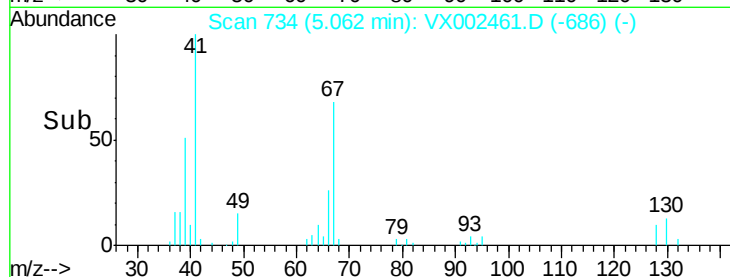
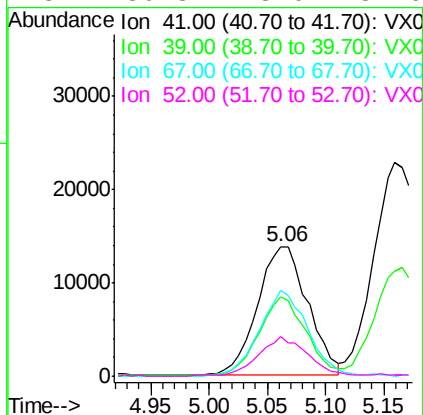
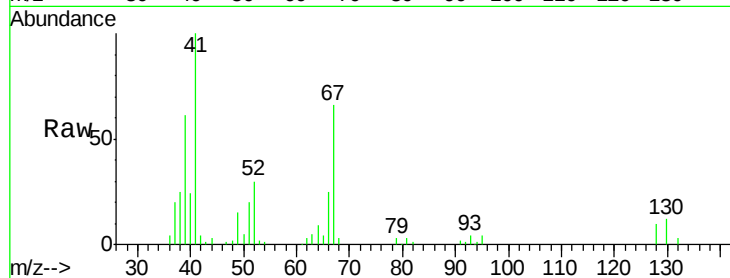
#41
Methacrylonitrile
Concen: 19.046 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion:	41	Resp:	41560
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.8	68.6
67	64.6	51.3	76.9
52	30.3	23.0	34.6

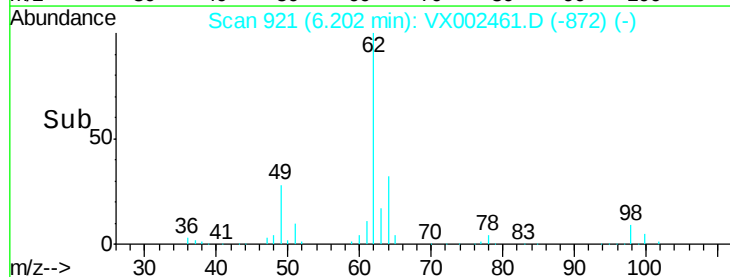
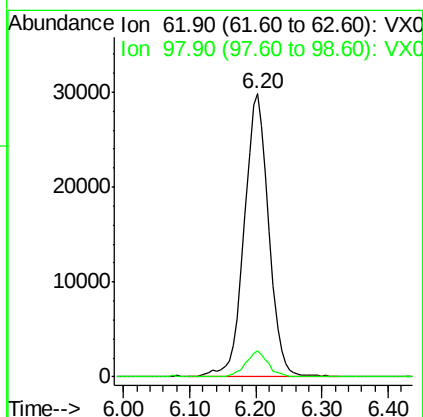
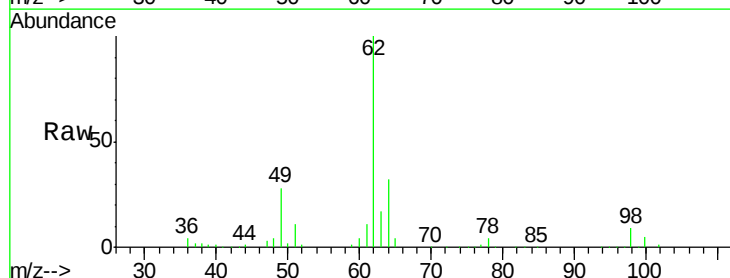
Manual Integrations
APPROVED

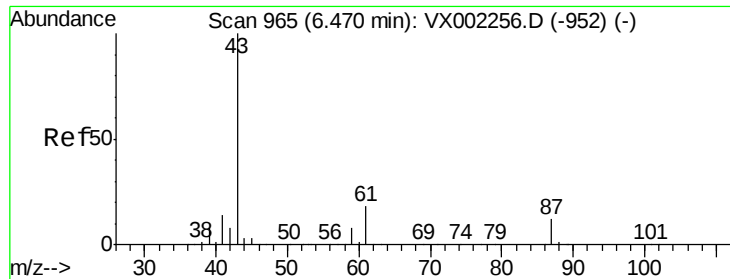
MMDadoda
6/13/2018 1:59:35 PM



#42
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion:	62	Resp:	76969
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

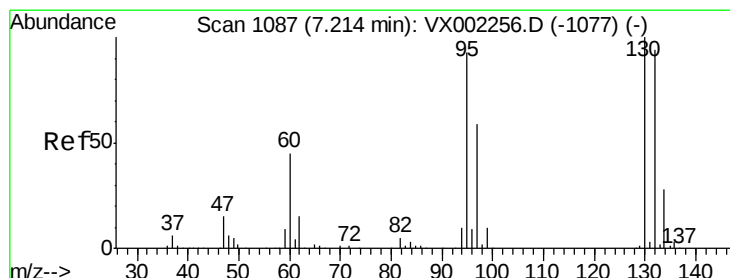
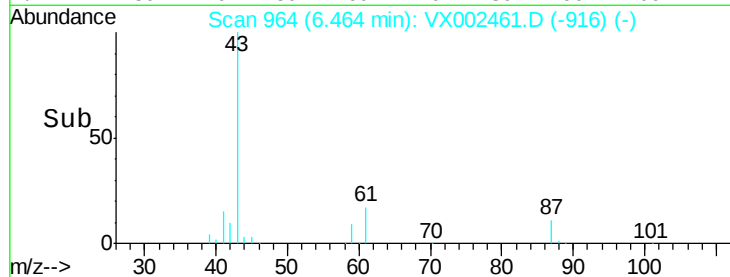
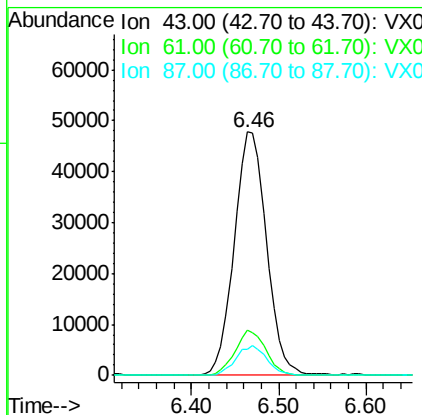
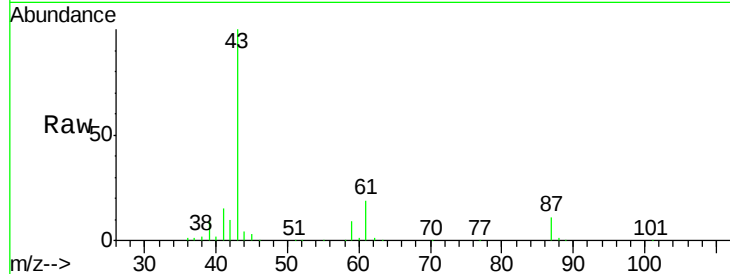
Isopropyl Acetate
 Concen: 18.874 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.7	9.5	14.3

Manual Integrations
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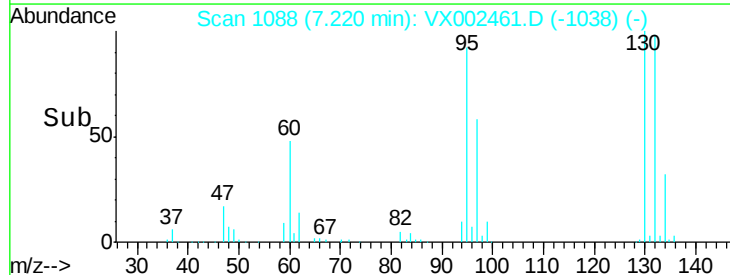
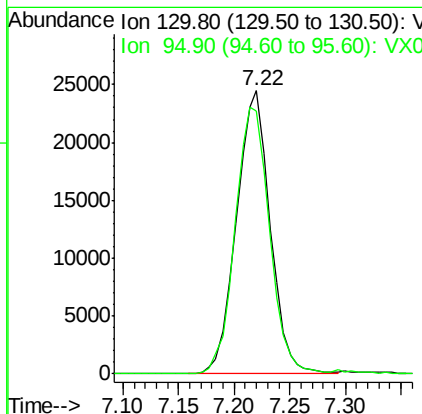
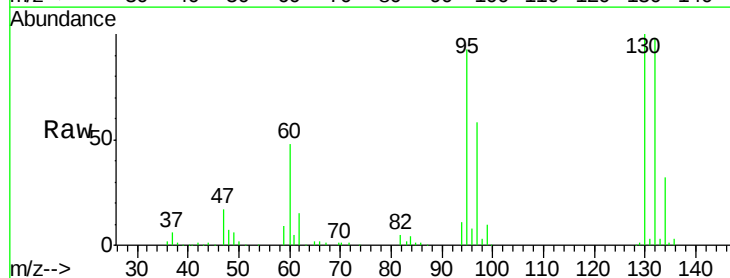
MMDadoda
 6/13/2018 1:59:35 PM

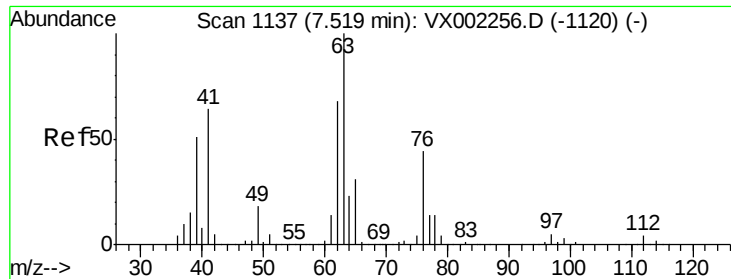


#44

Trichloroethene
 Concen: 19.023 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.258 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 63 Resp: 50526

Ion Ratio Lower Upper

63 100

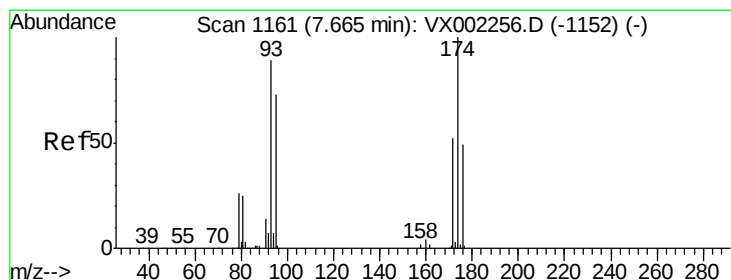
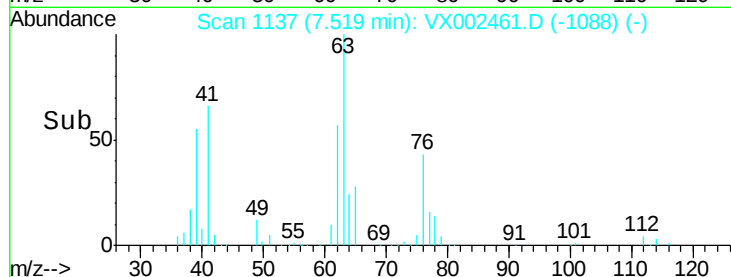
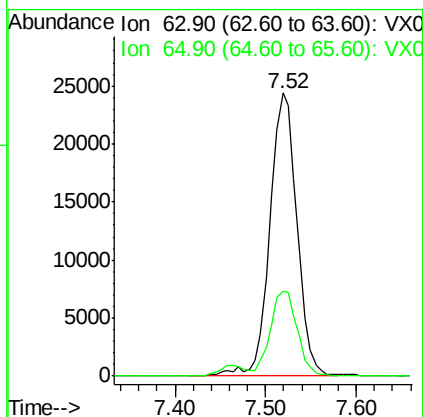
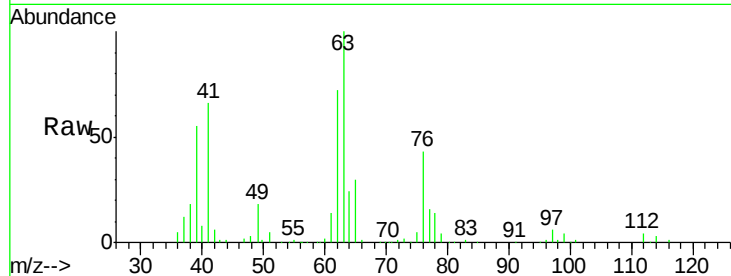
65 29.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.113 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

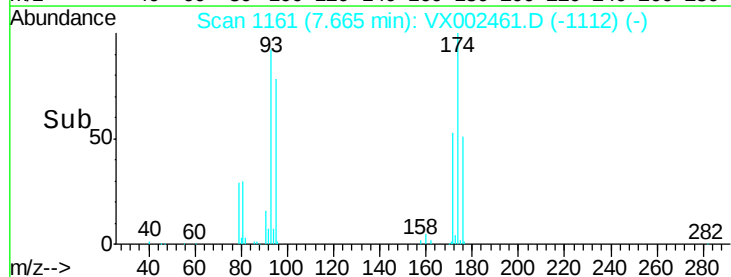
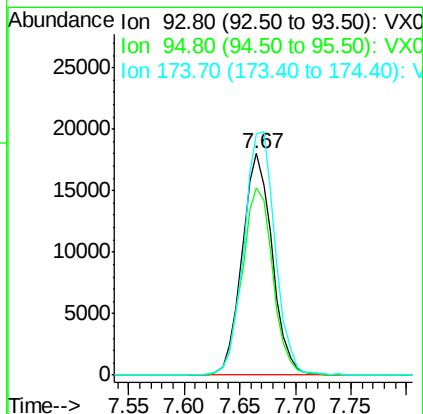
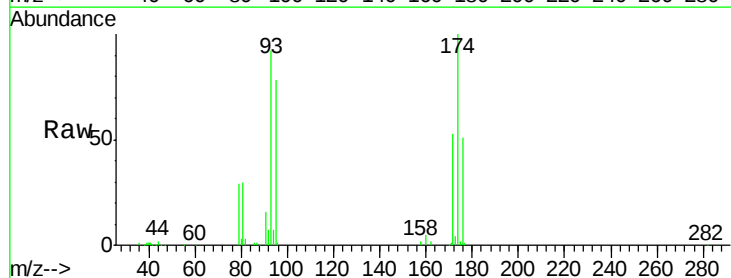
Tgt Ion: 93 Resp: 33993

Ion Ratio Lower Upper

93 100

95 86.1 65.9 98.9

174 113.9 92.4 138.6





#47

Bromodichloromethane

Concen: 18.624 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

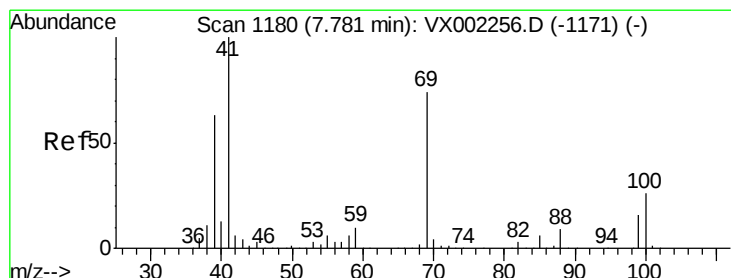
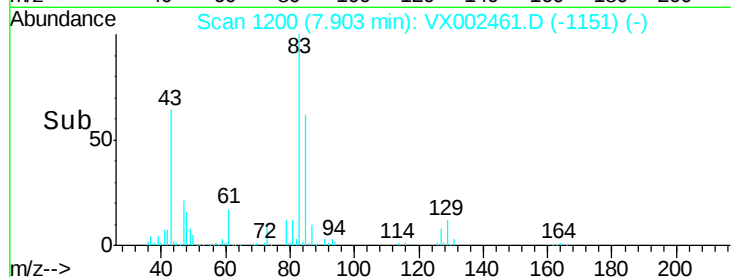
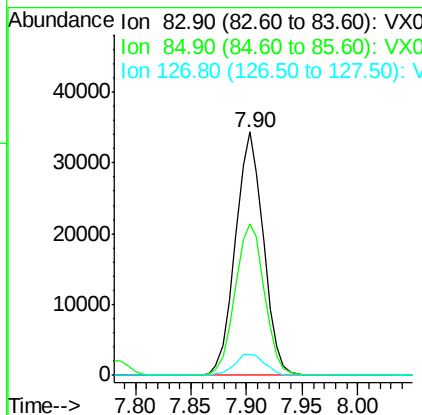
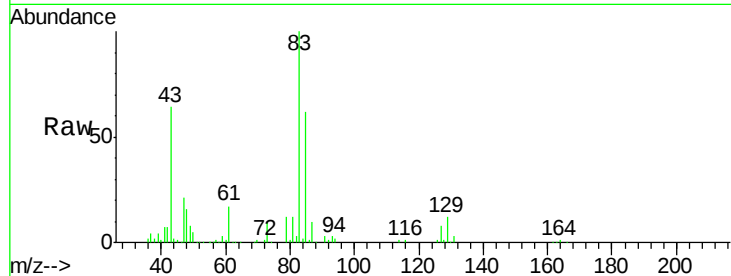
ClientSampleId :

VX0612WBSD01

Tot Ion:	83	Resp:	59907
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.3	75.5
127	8.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.919 ug/l

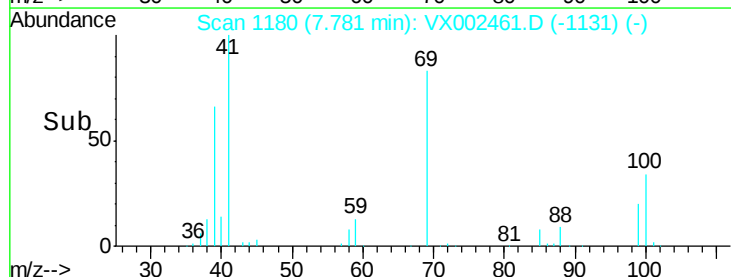
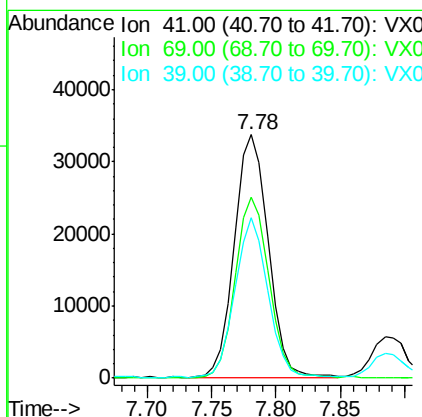
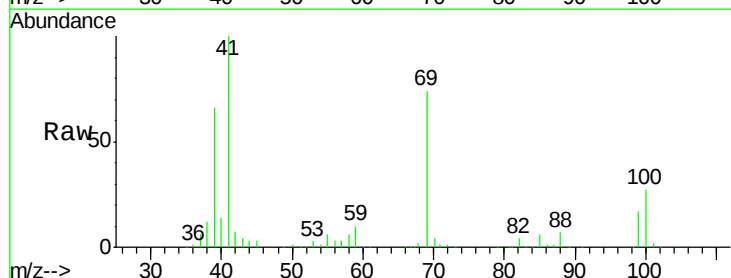
RT: 7.78 min Scan# 1180

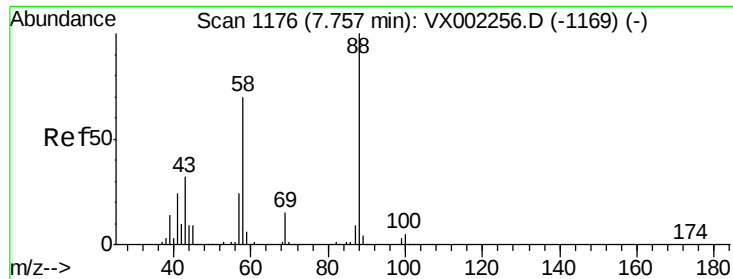
Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	41	Resp:	61525
Ion	Ratio	Lower	Upper
41	100		
69	74.1	59.1	88.7
39	63.9	48.9	73.3





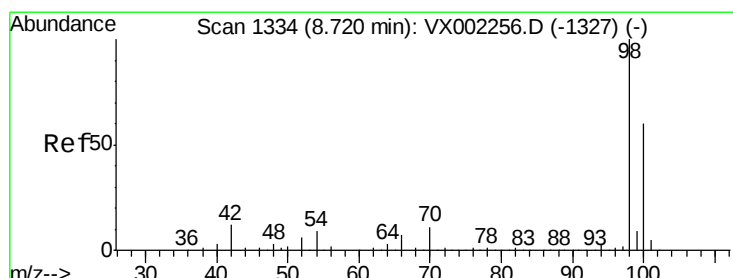
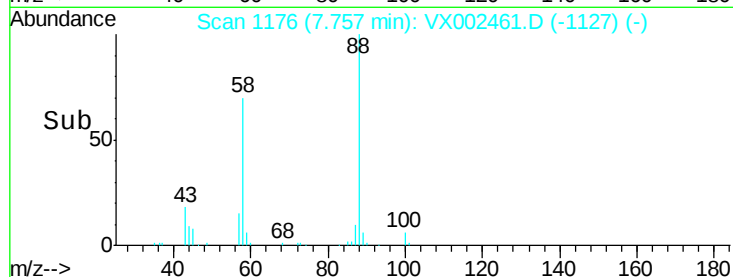
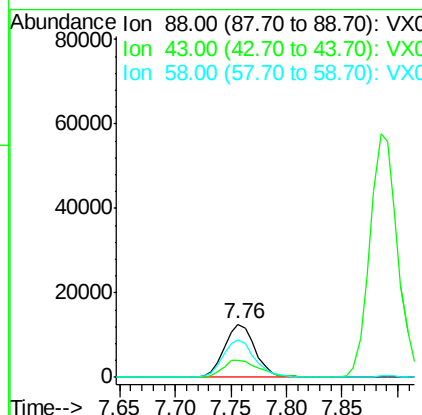
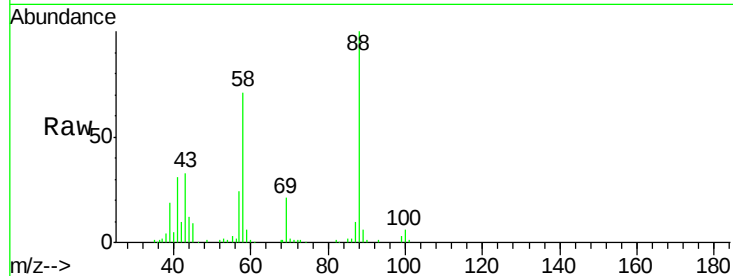
#49
1,4-Dioxane
Concen: 397.754 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	29.8	44.6
58	72.9	57.1	85.7

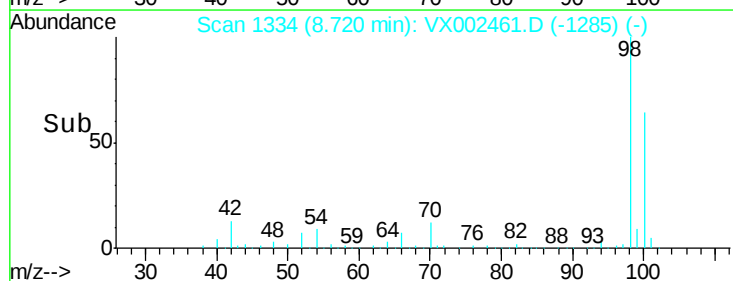
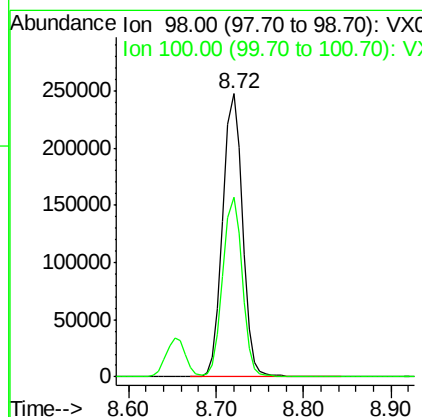
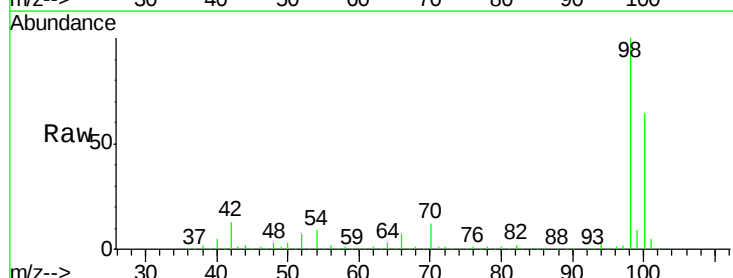
Manual Integrations
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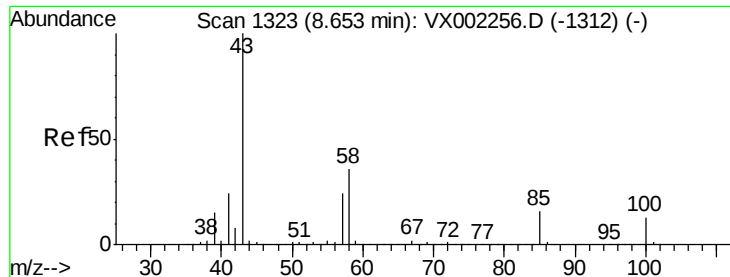
MMDadoda
6/13/2018 1:59:35 PM



#50
Toluene-d8
Concen: 42.735 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 97.350 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 43 Resp: 392500

Ion Ratio Lower Upper

43 100

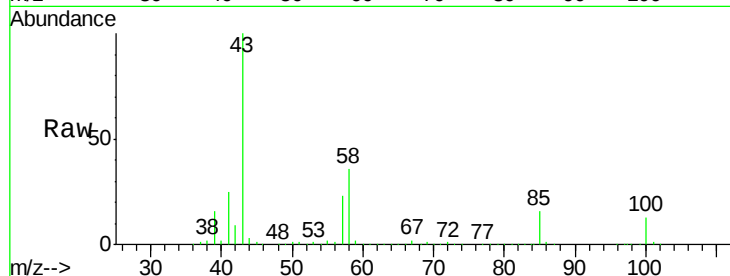
58 35.5 28.6 42.8

Manual Integrations

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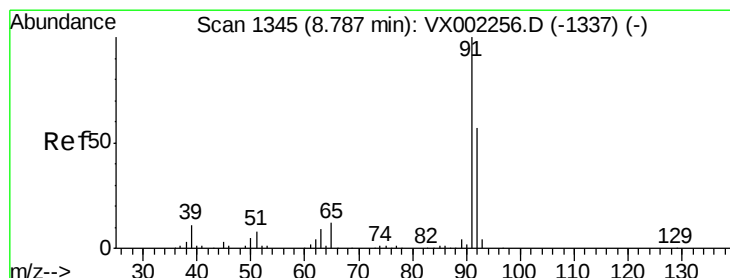
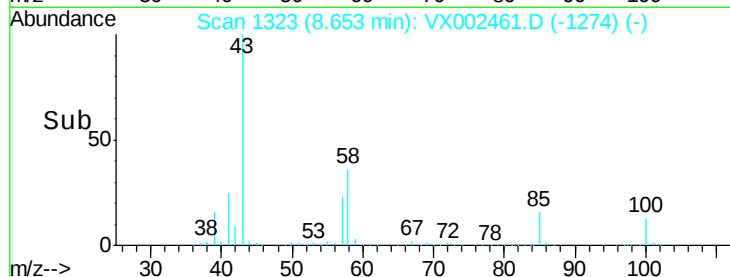
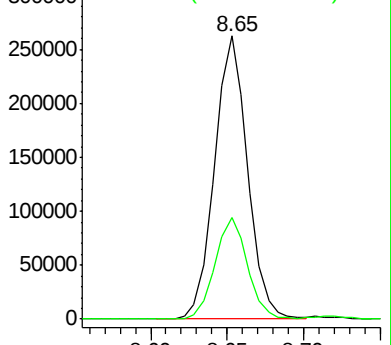
MMDadoda

6/13/2018 1:59:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.371 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002461.D

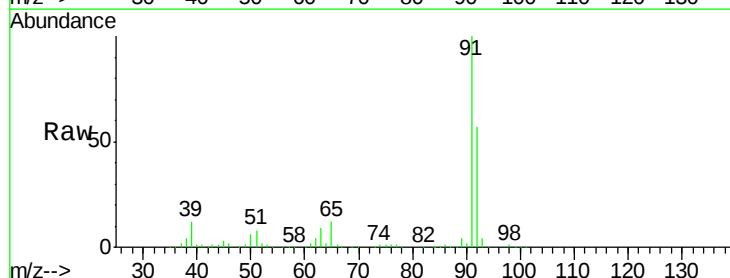
Acq: 12 Jun 2018 12:51

Tgt Ion: 92 Resp: 119730

Ion Ratio Lower Upper

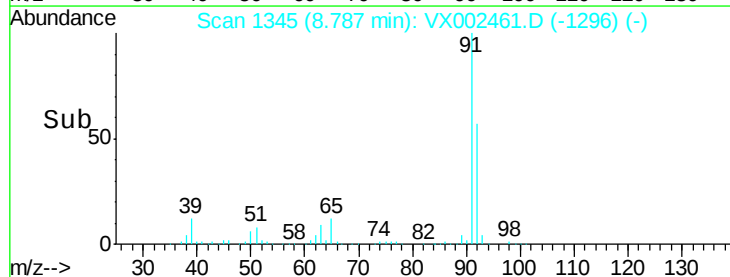
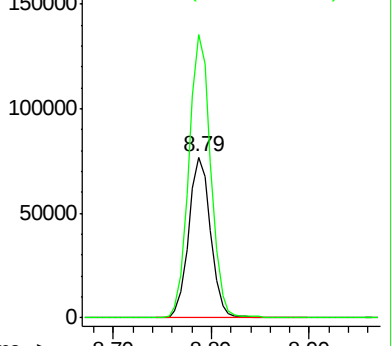
92 100

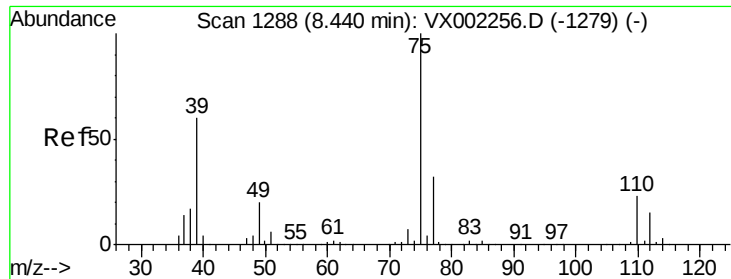
91 176.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





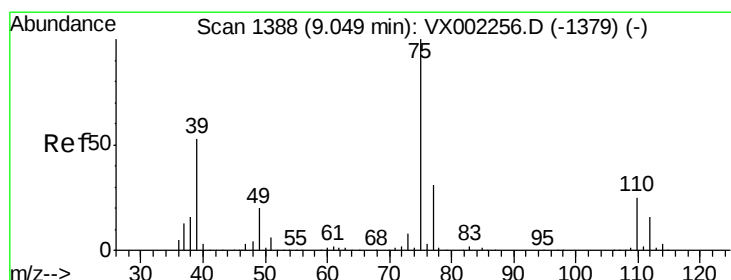
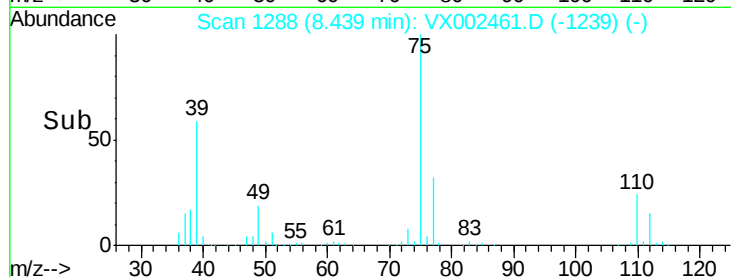
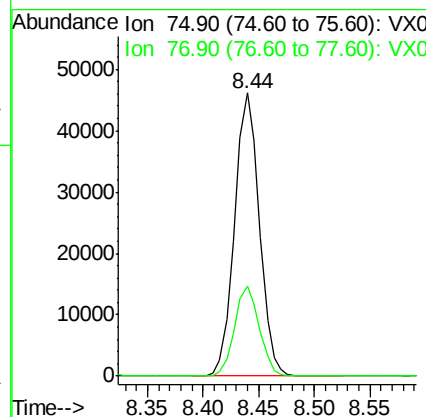
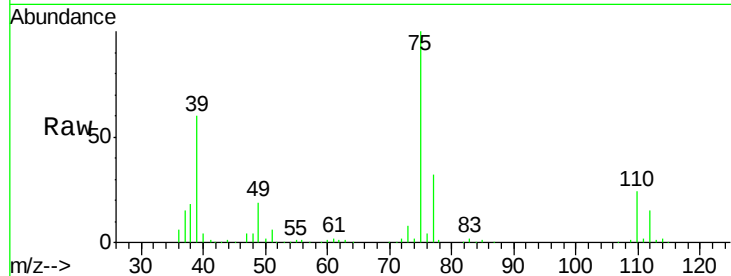
#53
 t-1,3-Dichloropropene
 Concen: 18.483 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Tot Ion: 75 Resp: 71298
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

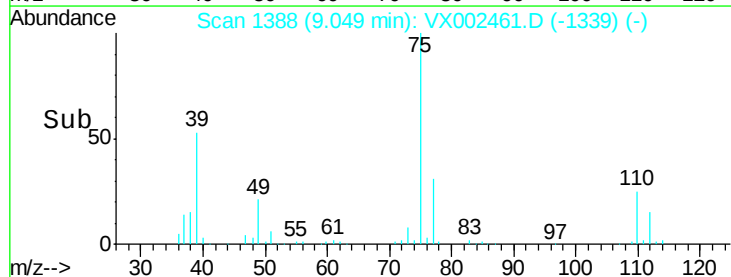
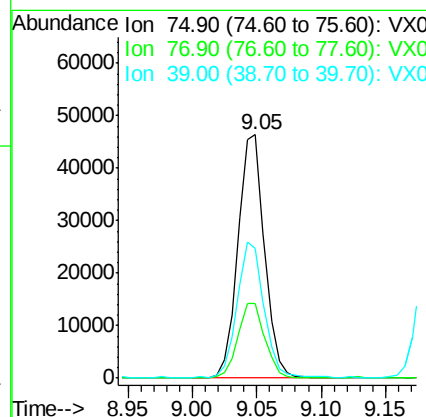
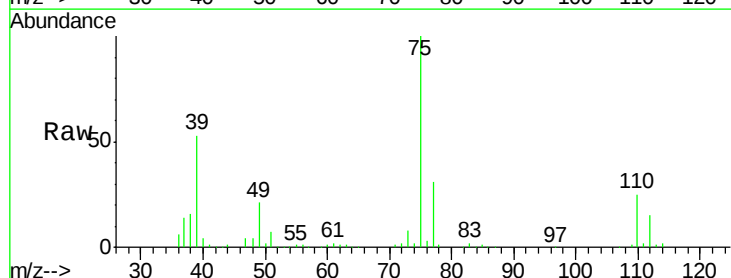
Manual Integrations
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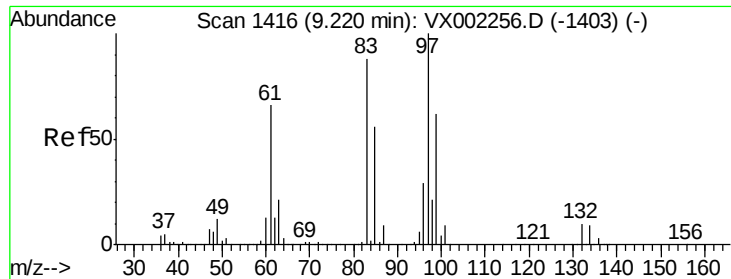
MMDadoda
 6/13/2018 1:59:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.334 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Tgt Ion: 75 Resp: 66724
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 53.2 42.4 63.6





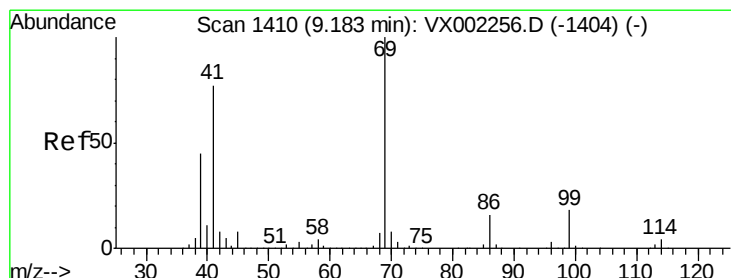
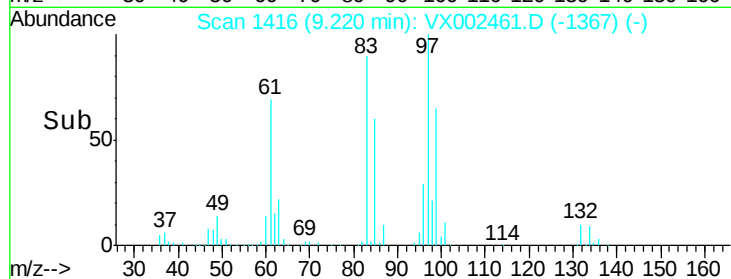
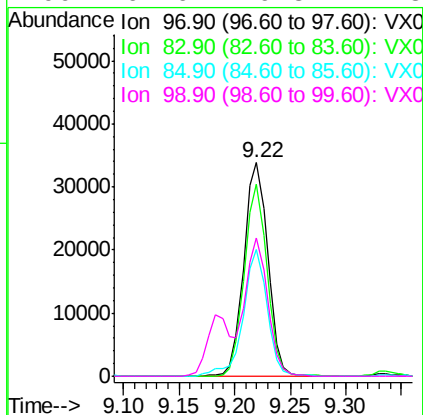
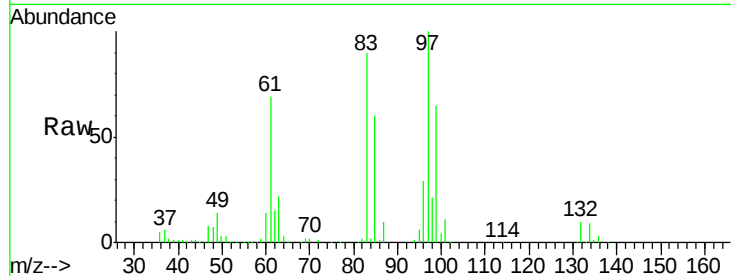
#55
 1,1,2-Trichloroethane
 Concen: 20.005 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Tot Ion:	97	Resp:	50857
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.2	105.2
85	59.5	44.9	67.3
99	64.6	49.8	74.8

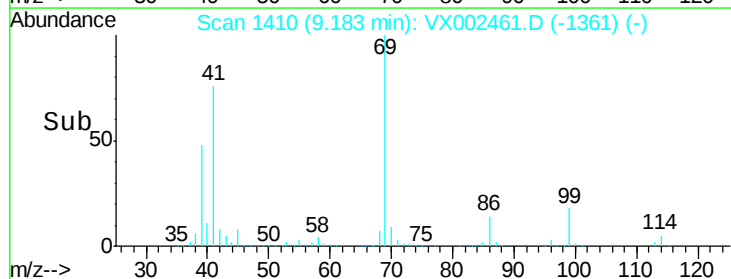
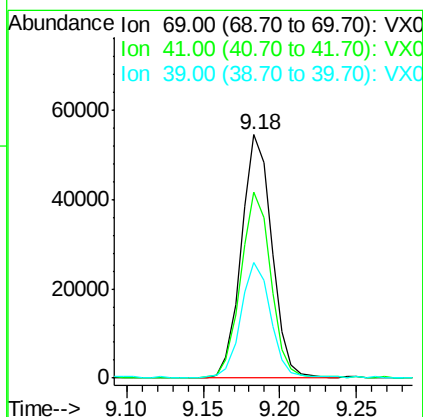
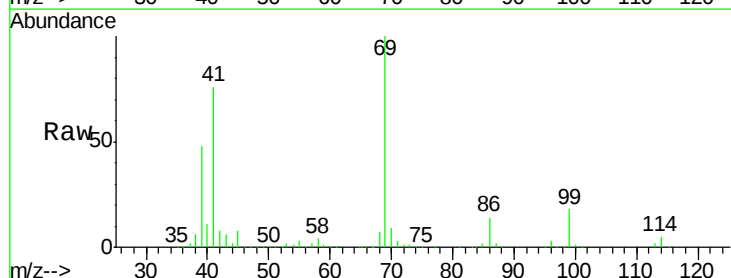
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.642 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Tgt Ion:	69	Resp:	75664
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.3	90.5
39	46.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.657 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 76 Resp: 83837

Ion Ratio Lower Upper

76 100

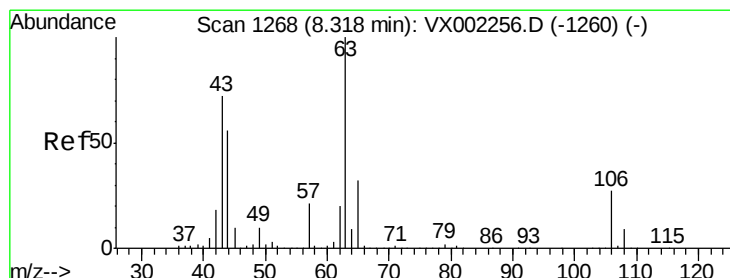
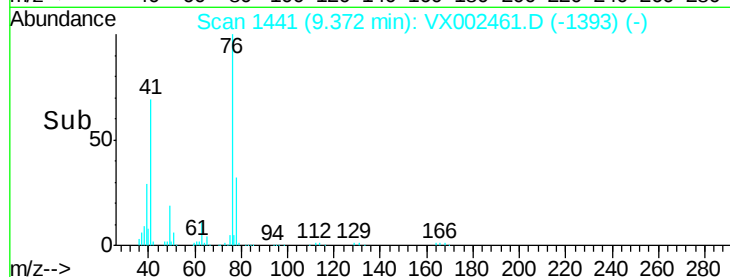
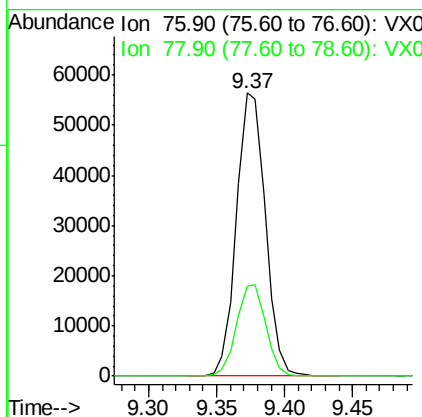
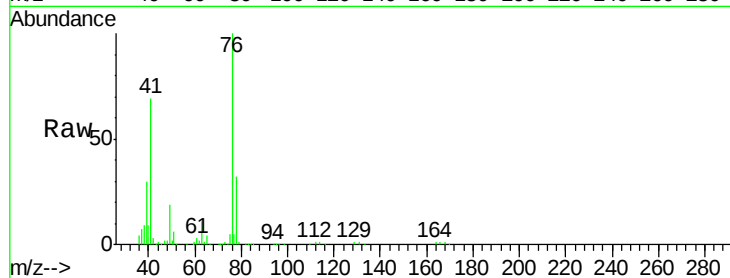
78 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/13/2018 1:59:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.442 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002461.D

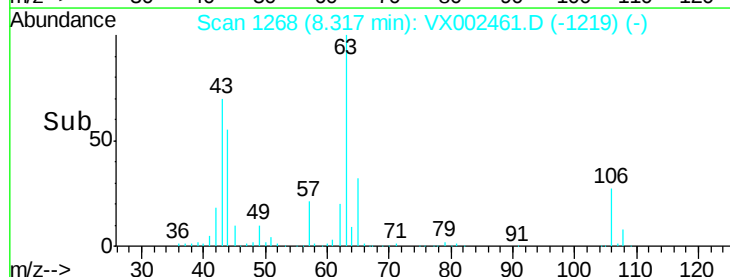
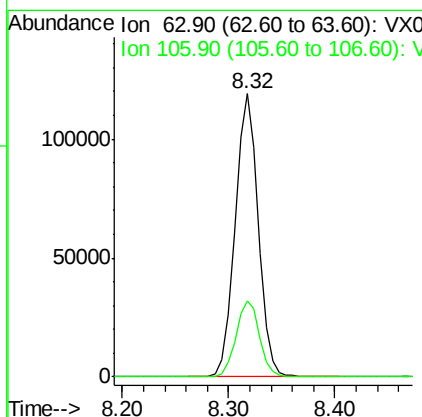
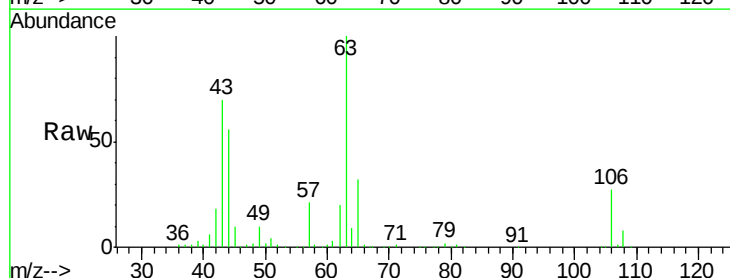
Acq: 12 Jun 2018 12:51

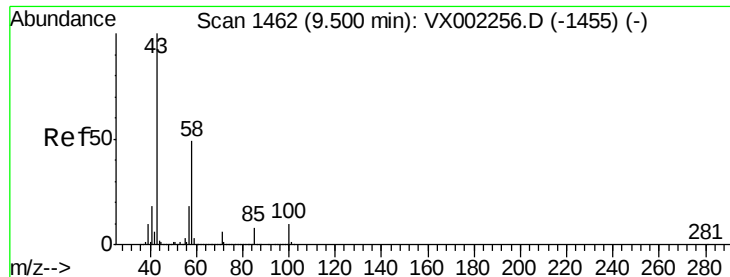
Tgt Ion: 63 Resp: 181168

Ion Ratio Lower Upper

63 100

106 27.3 21.8 32.8





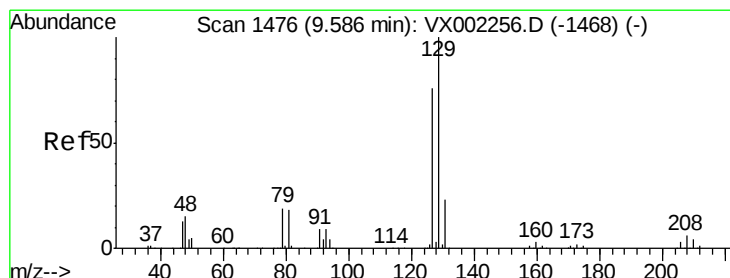
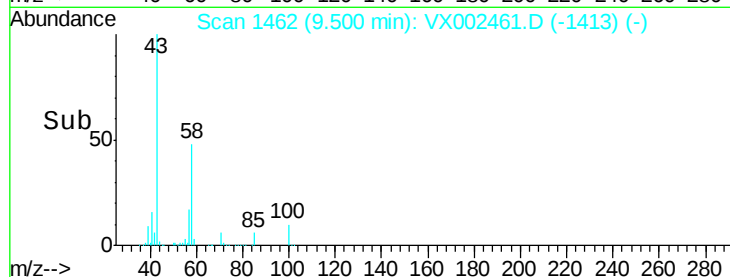
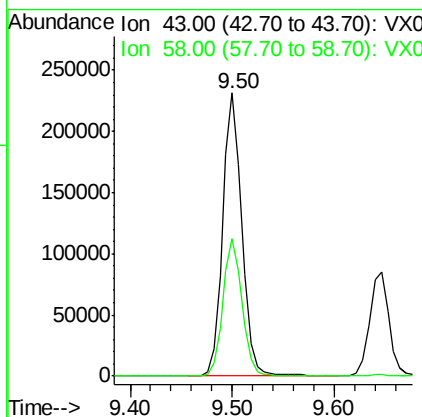
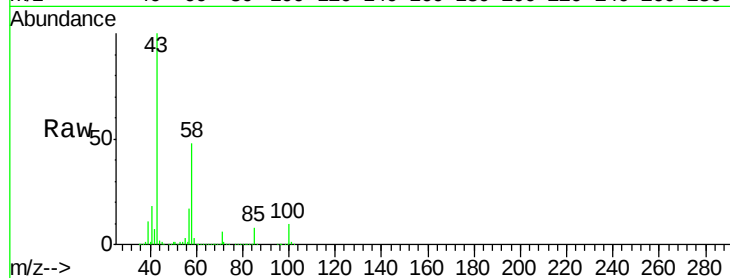
#59
2-Hexanone
Concen: 97.091 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.6	73.6

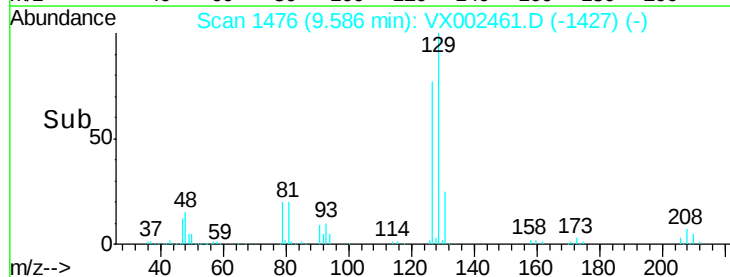
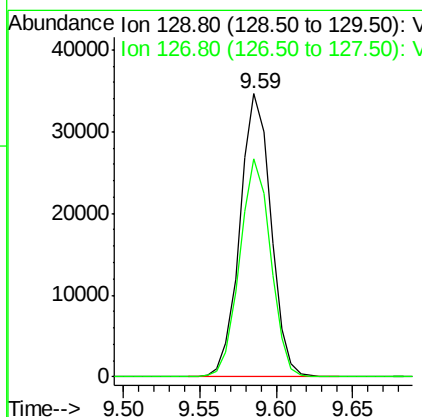
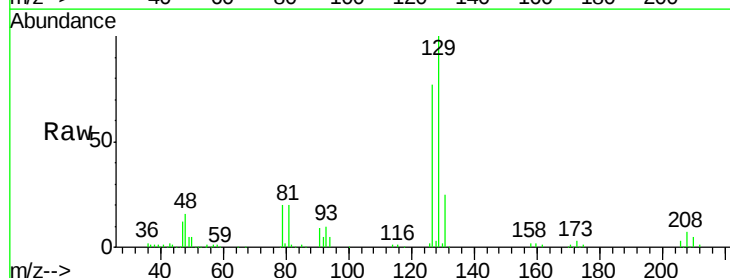
Manual Integrations
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6/13/2018 1:59:35 PM



#60
Dibromochloromethane
Concen: 19.059 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.765 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion:107 Resp: 52390

Ion Ratio Lower Upper

107 100

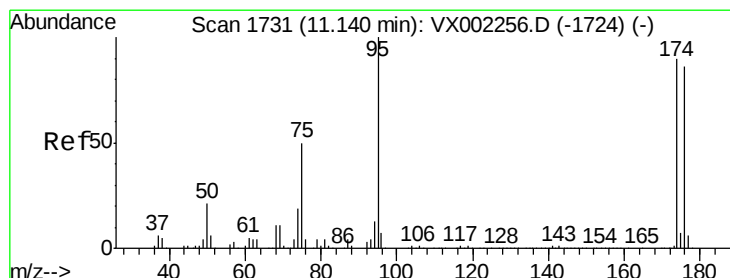
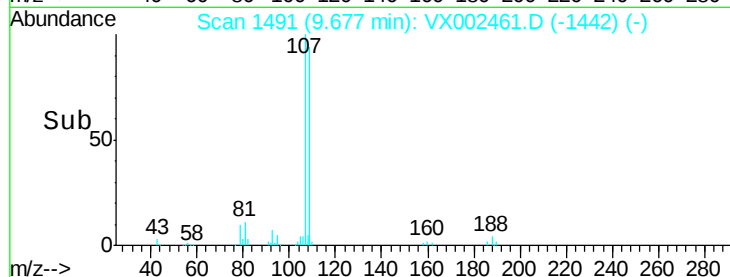
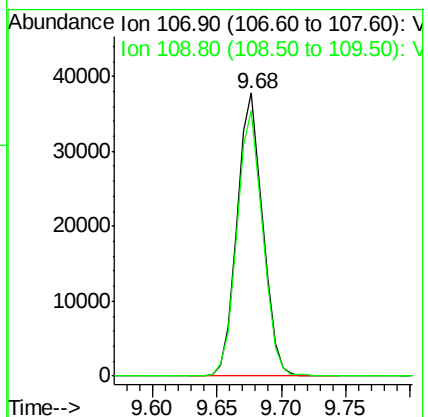
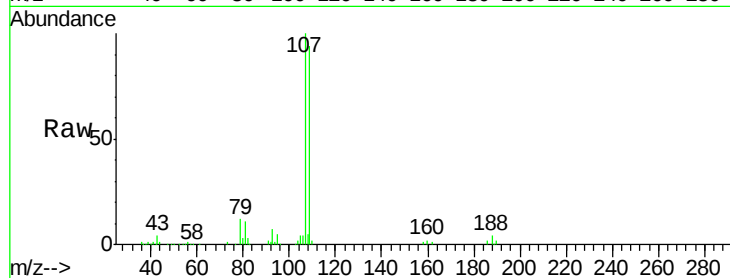
109 94.2 75.3 112.9

Manual Integrations

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MMDadoda

6/13/2018 1:59:35 PM



#62

4-Bromofluorobenzene

Concen: 41.778 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

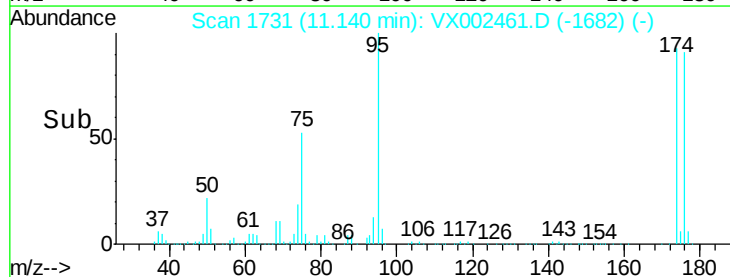
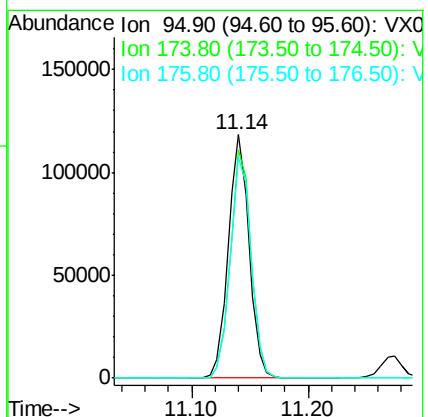
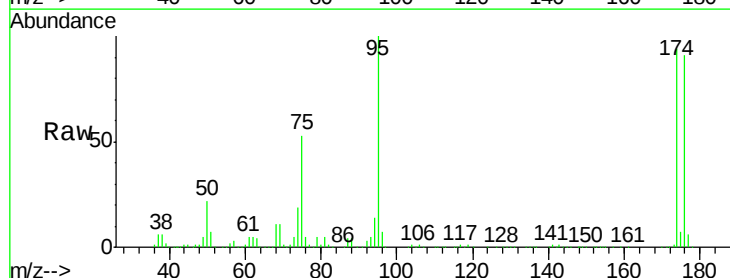
Tgt Ion: 95 Resp: 146407

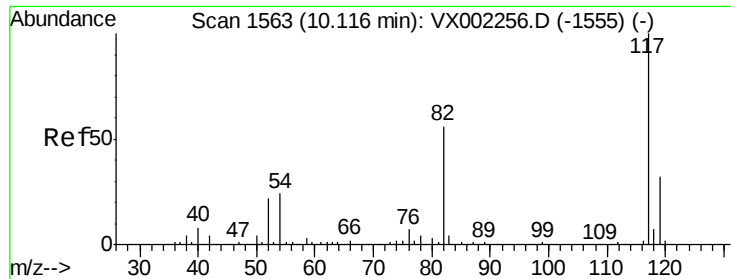
Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.4

176 92.3 0.0 181.0





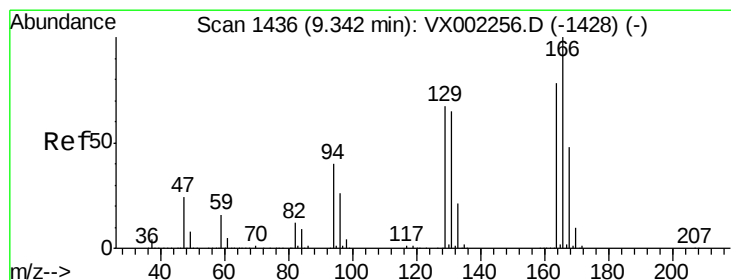
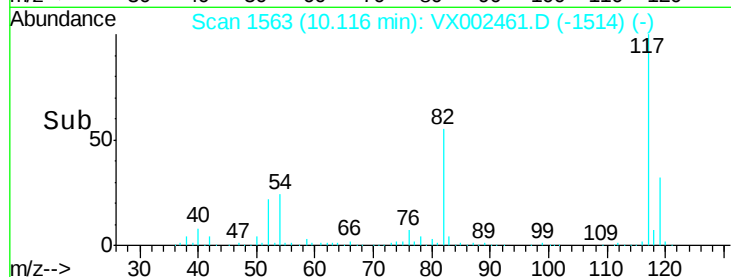
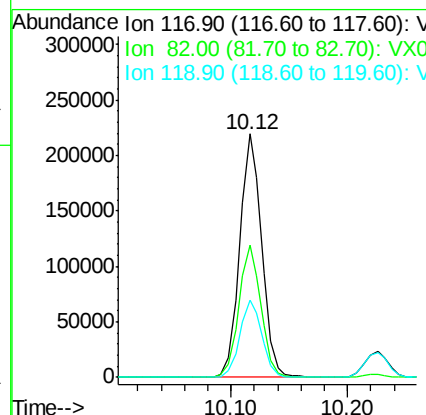
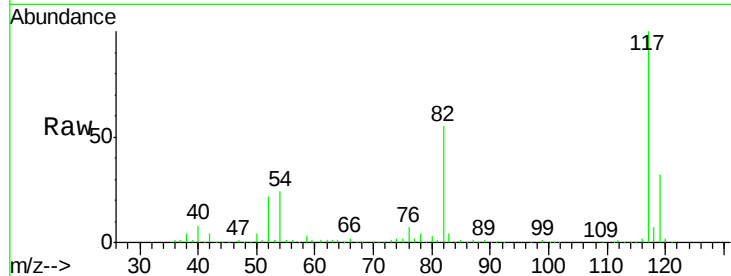
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.4
119	32.0	25.8	38.6

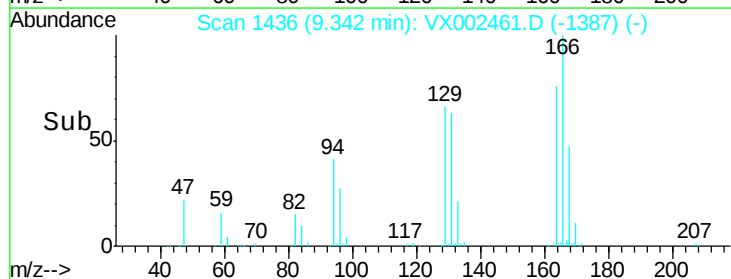
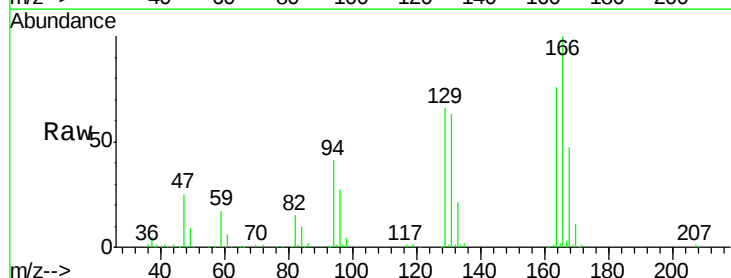
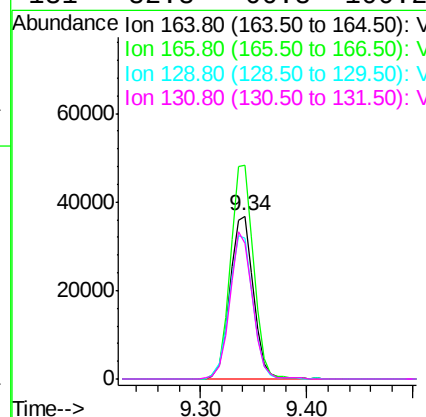
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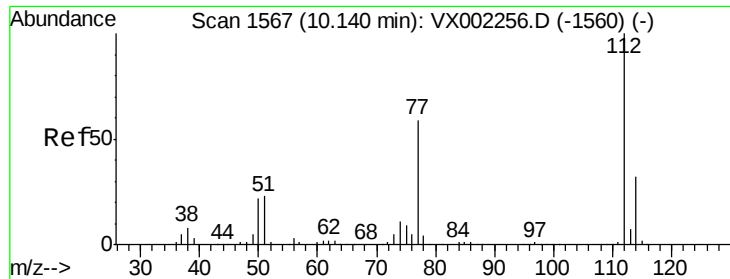
MMDadoda
6/13/2018 1:59:35 PM



#64
Tetrachloroethene
Concen: 19.080 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.9	154.3
129	85.9	68.6	102.8
131	82.8	66.8	100.2





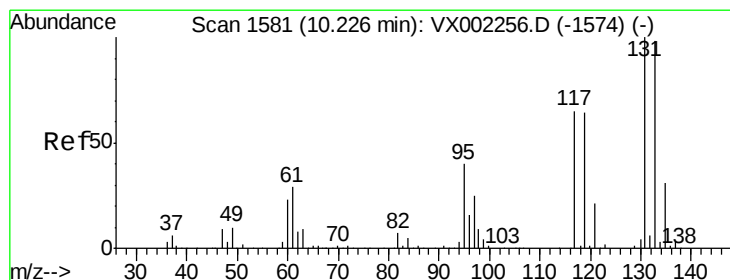
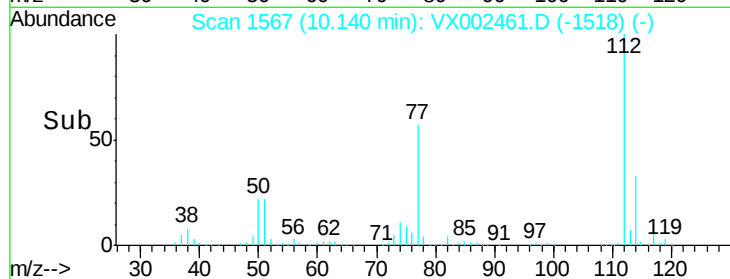
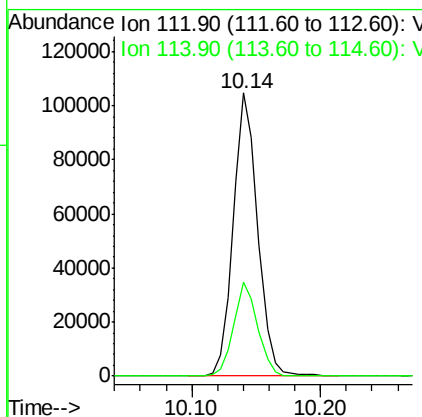
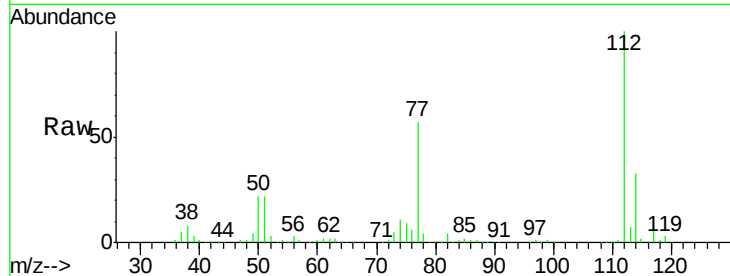
#65
Chlorobenzene
Concen: 19.248 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion:112 Resp: 138560
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9

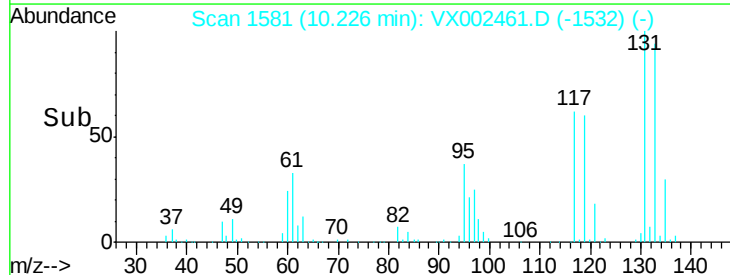
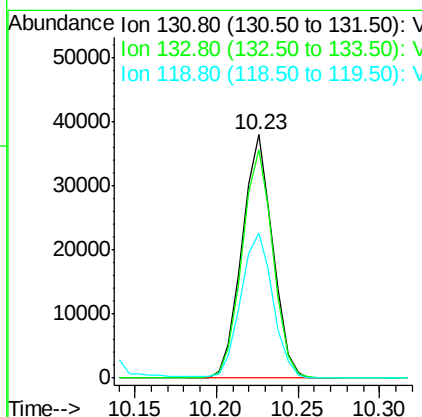
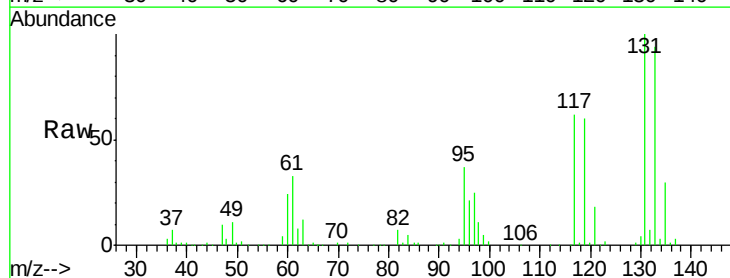
Manual Integrations
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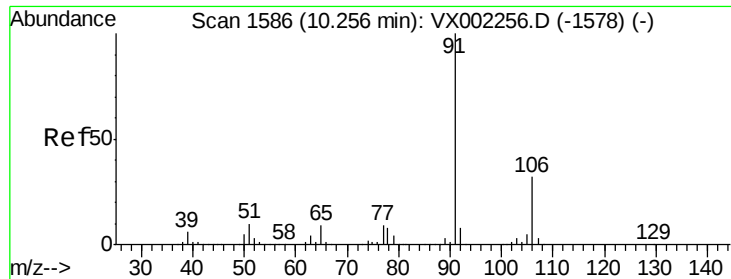
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.163 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion:131 Resp: 49949
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.6
119 62.8 31.8 95.3





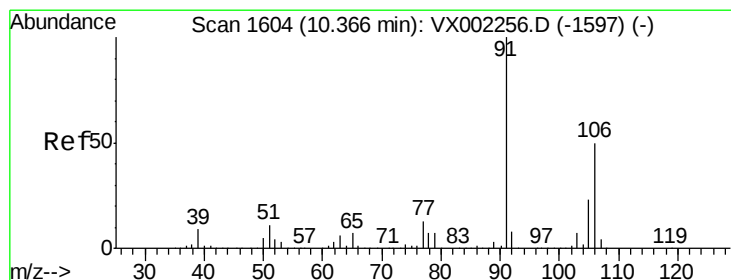
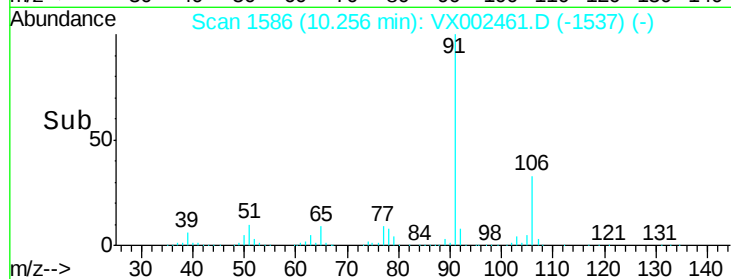
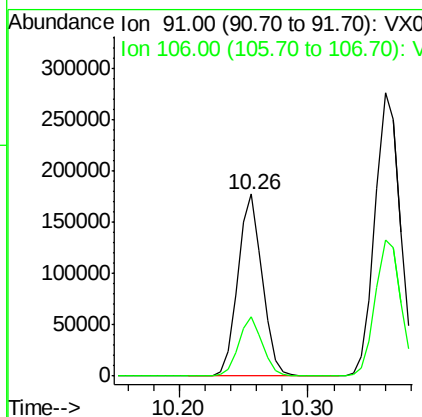
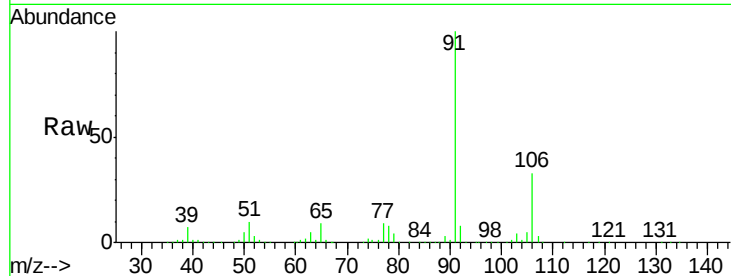
#67
Ethyl Benzene
Concen: 19.321 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion: 91 Resp: 232763
Ion Ratio Lower Upper
91 100
106 32.6 25.5 38.3

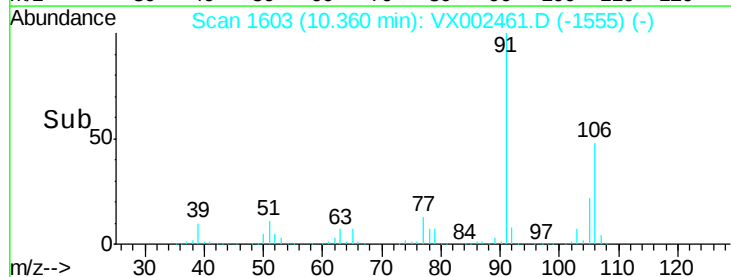
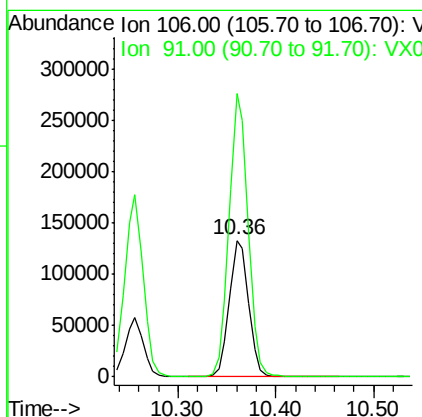
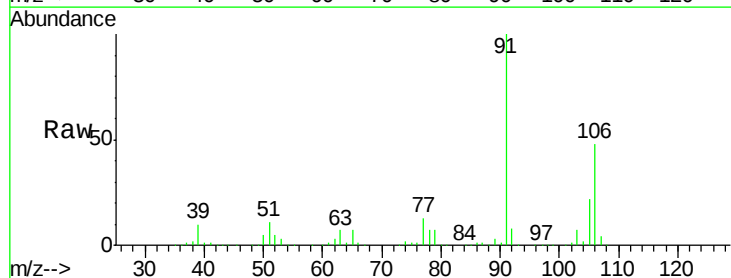
Manual Integrations
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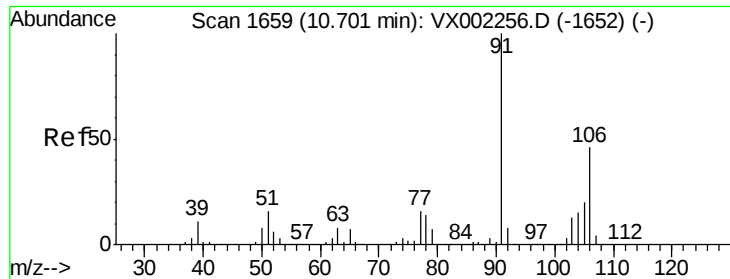
MMDadoda
6/13/2018 1:59:35 PM



#68
m/p-Xylenes
Concen: 38.885 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion: 106 Resp: 182097
Ion Ratio Lower Upper
106 100
91 204.3 163.4 245.2





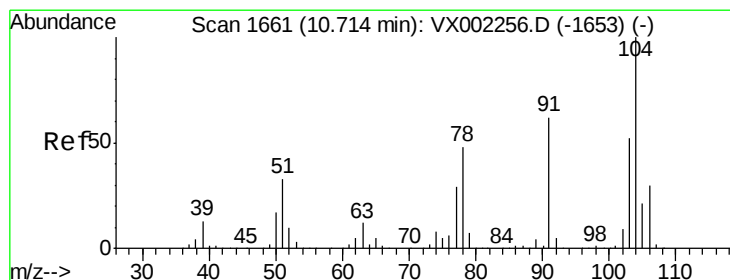
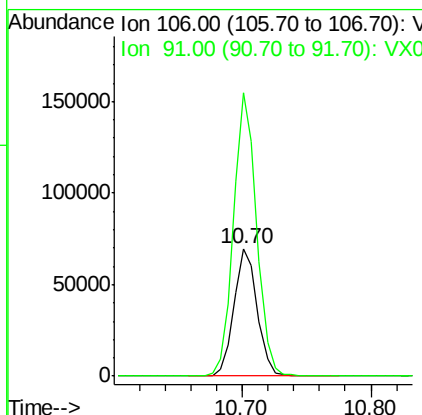
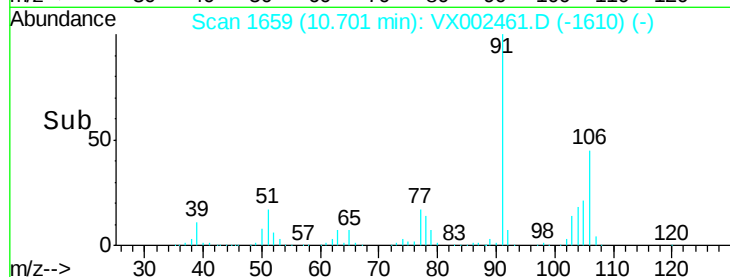
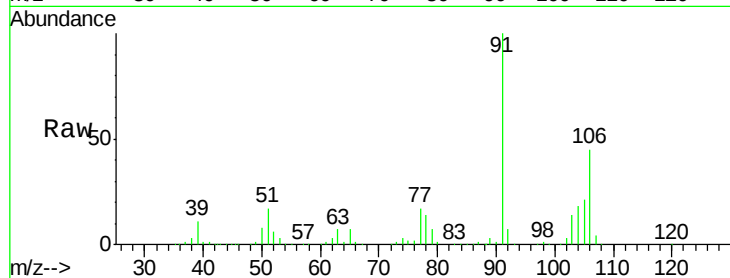
#69
o-Xylene
Concen: 18.835 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampled :
VX0612WBSD01

Tot Ion:106 Resp: 87774
Ion Ratio Lower Upper
106 100
91 220.8 108.2 324.6

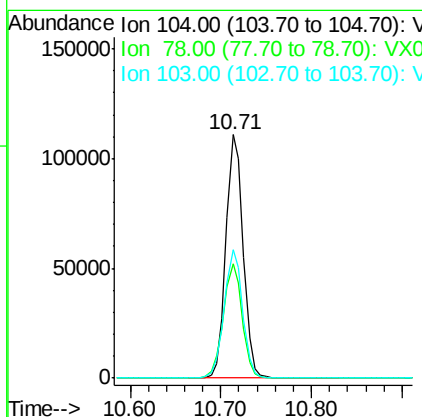
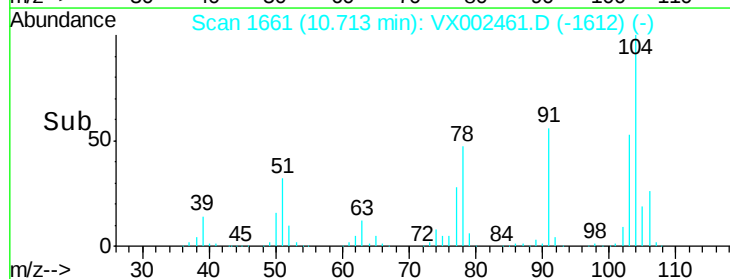
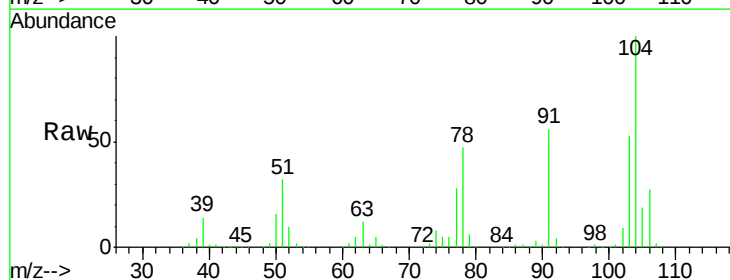
Manual Integrations
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6/13/2018 1:59:35 PM



#70
Styrene
Concen: 19.341 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion:104 Resp: 147350
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.6
103 56.5 44.2 66.4





#71

Bromoform

Concen: 17.475 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

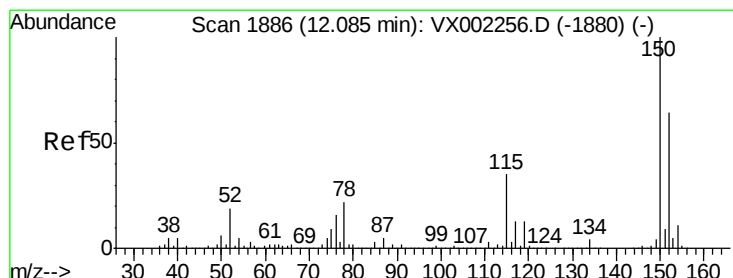
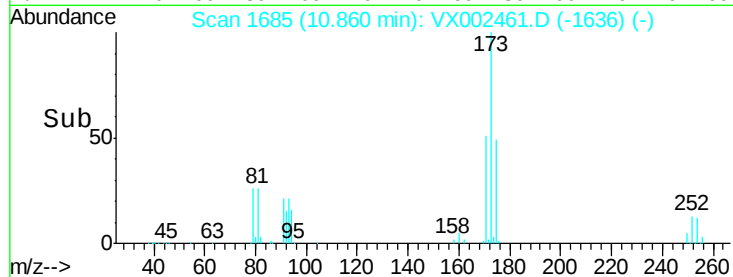
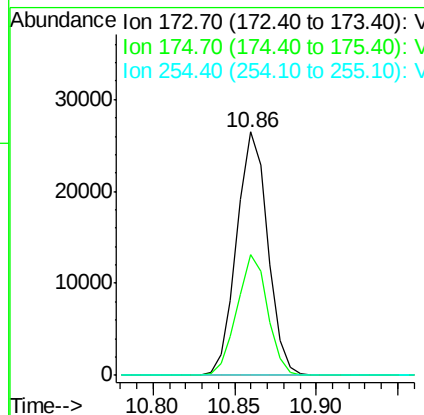
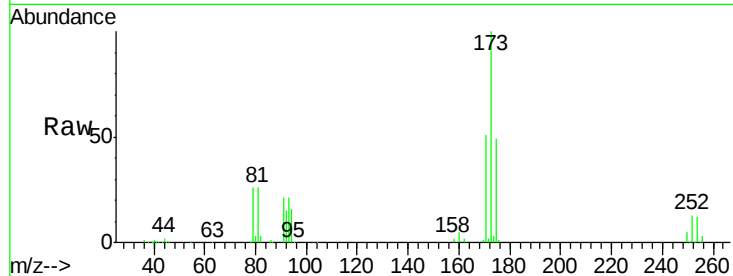
ClientSampled :

VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

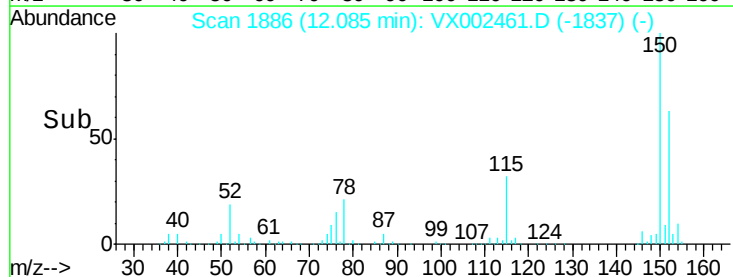
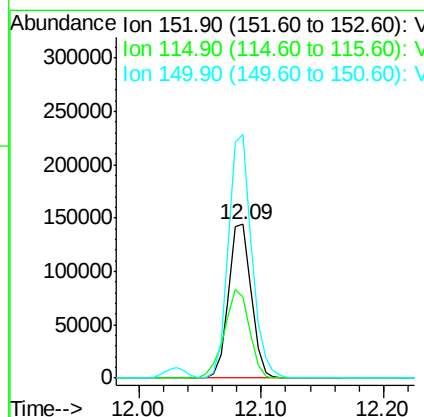
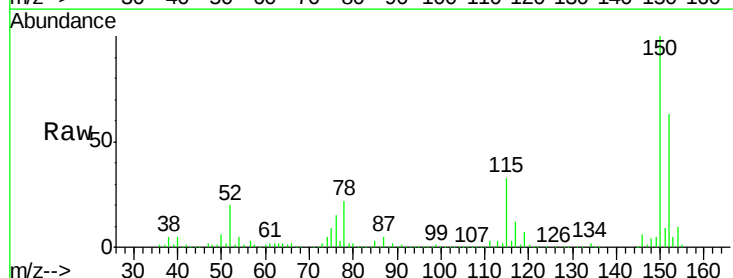
RT: 12.09 min Scan# 1886

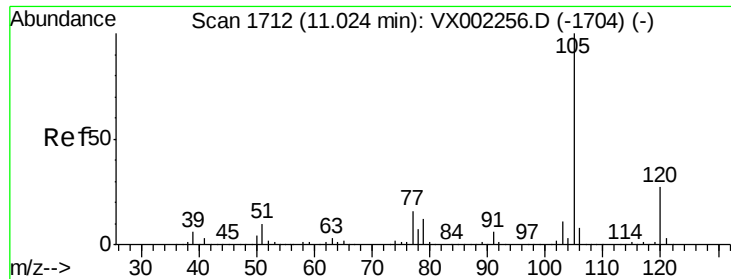
Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	40.1	120.2
150	163.6	0.0	347.2





#73

Isopropylbenzene

Concen: 19.149 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 105 Resp: 243758

Ion Ratio Lower Upper

105 100

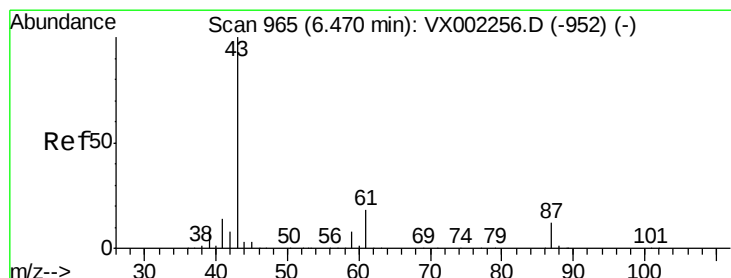
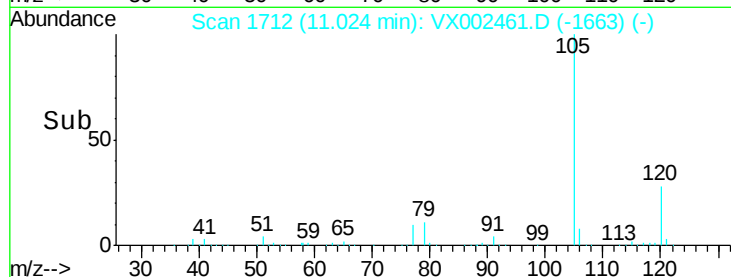
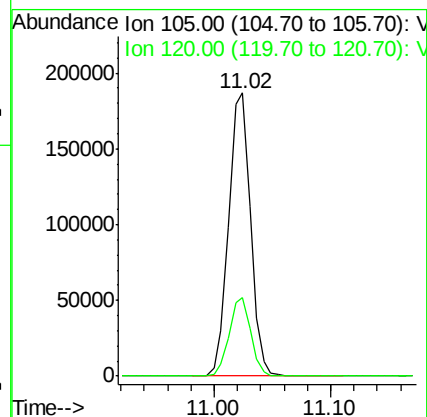
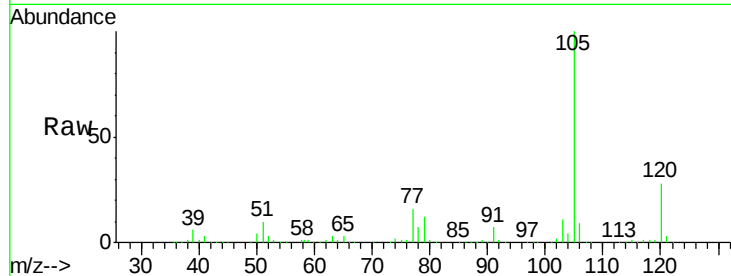
120 27.1 13.5 40.4

Manual Integrations

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6/13/2018 1:59:35 PM



#74

N-ethyl acetate

Concen: 17.815 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion: 43 Resp: 122195

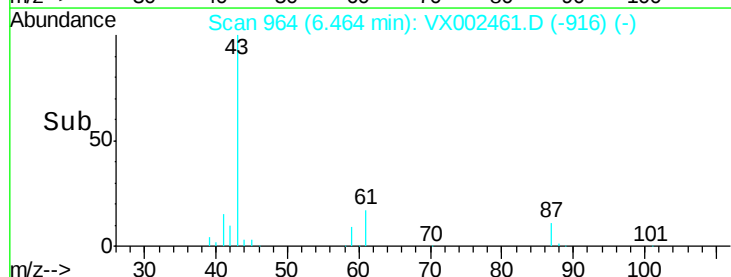
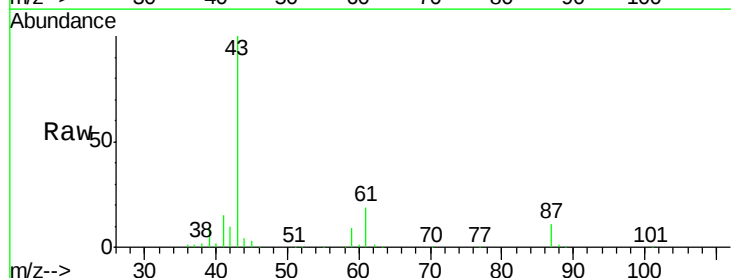
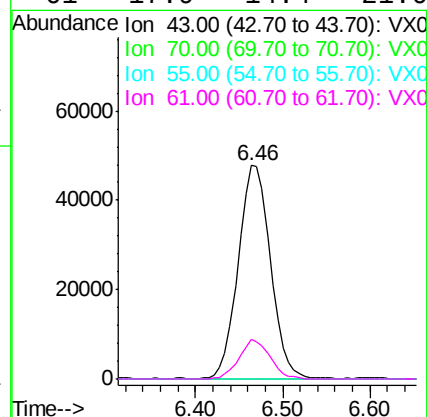
Ion Ratio Lower Upper

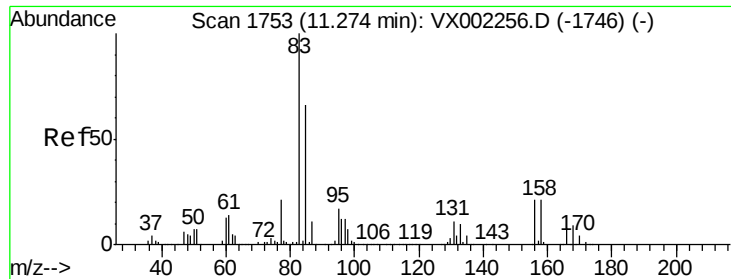
43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.159 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

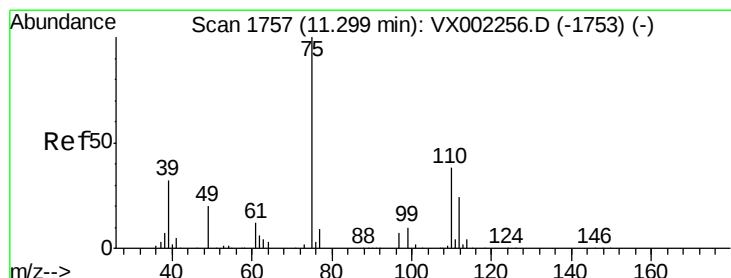
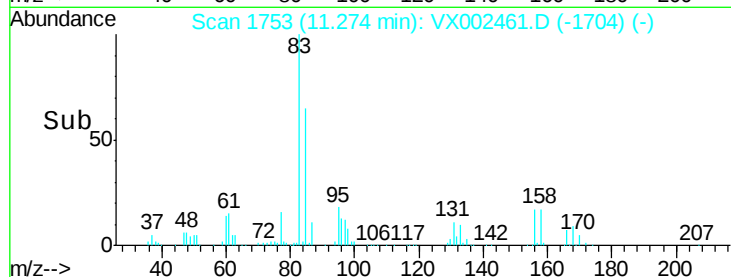
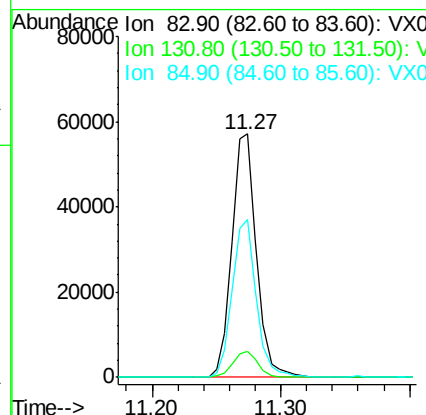
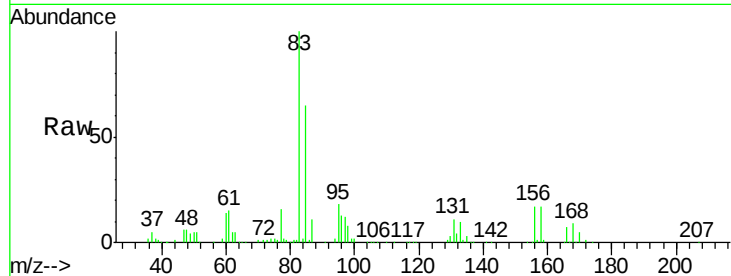
ClientSampleId :

VX0612WBSD01

Tot Ion:	83	Resp:	76706
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	63.6	32.4	97.2

Manual Integrations
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6/13/2018 1:59:35 PM



#76

1,2,3-Trichloropropane

Concen: 16.553 ug/l m

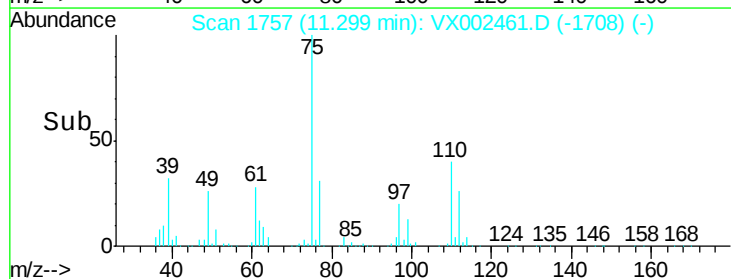
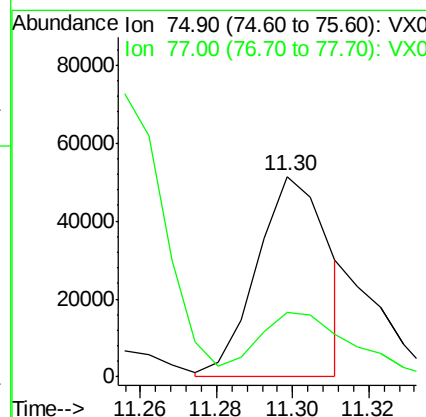
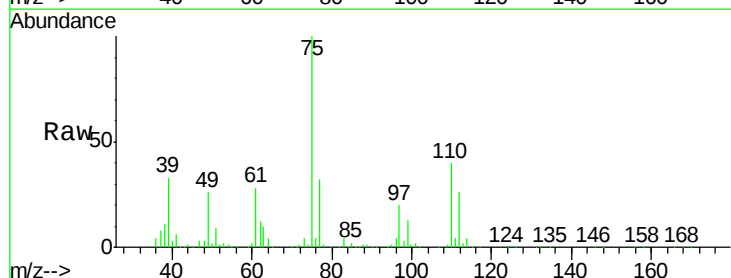
RT: 11.30 min Scan# 1757

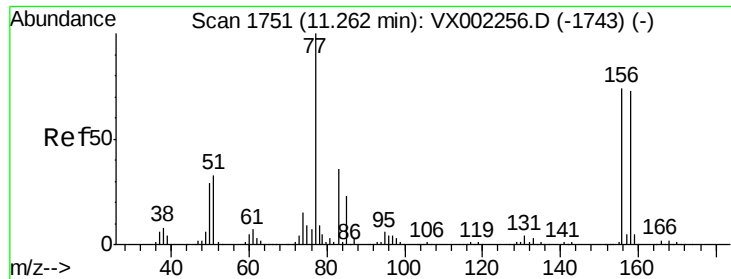
Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	75	Resp:	66462
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.8	68.3





#77

Bromobenzene

Concen: 18.594 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

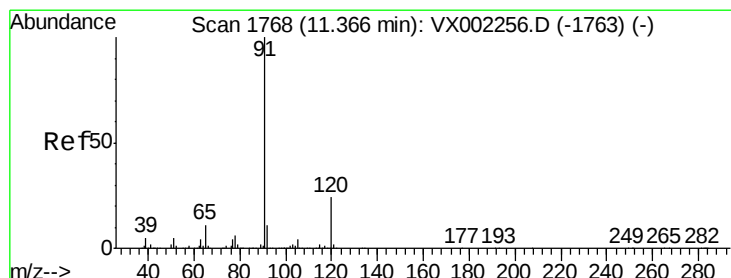
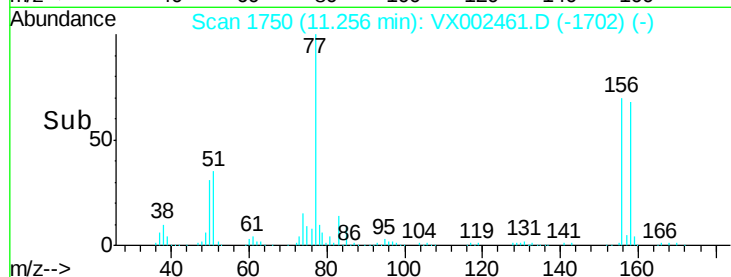
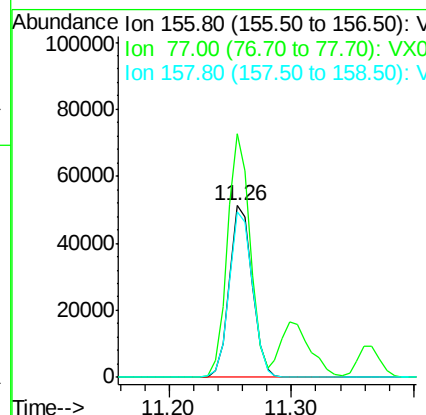
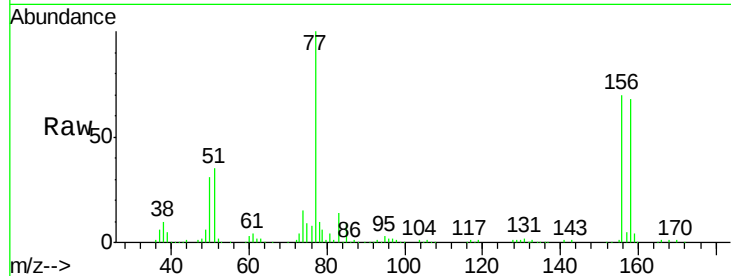
ClientSampleId :

VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.7	71.4	214.2
158	97.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.874 ug/l

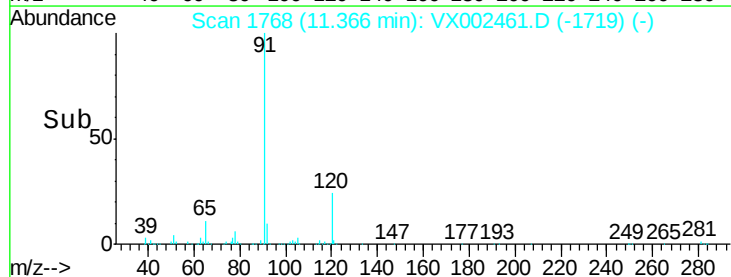
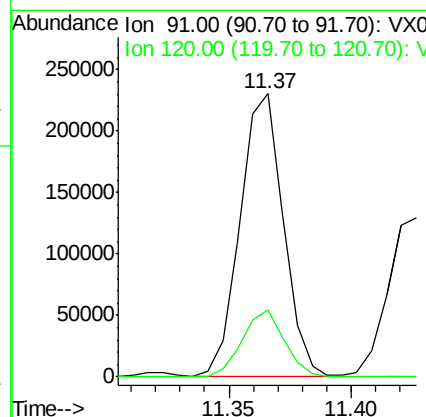
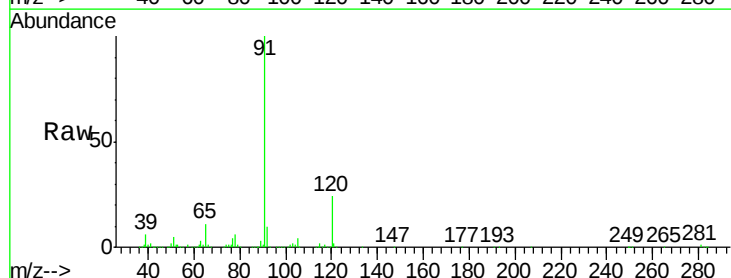
RT: 11.37 min Scan# 1768

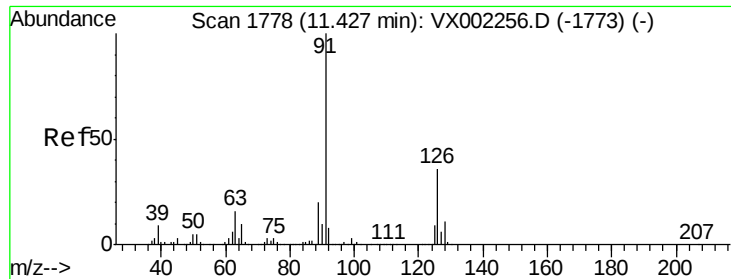
Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.437 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion: 91 Resp: 164709

Ion Ratio Lower Upper

91 100

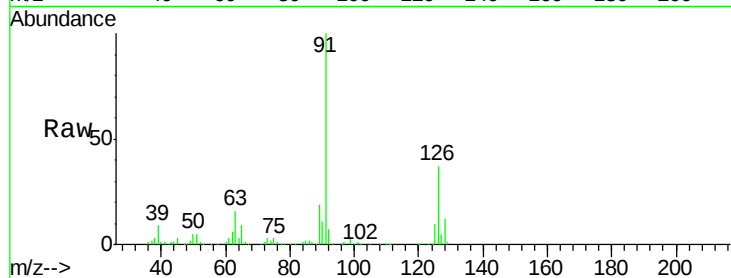
126 36.0 17.7 53.1

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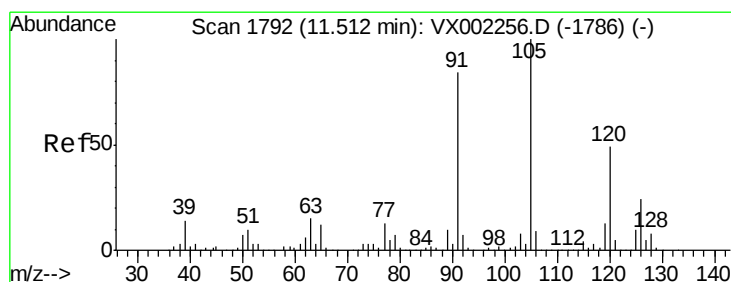
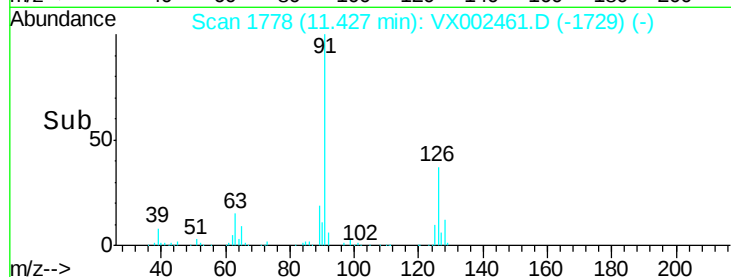
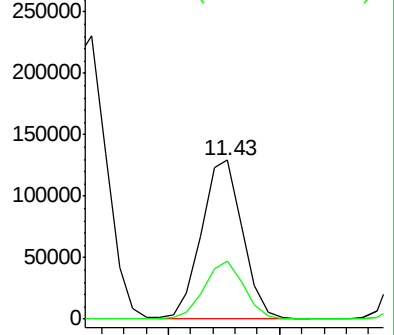
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.205 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002461.D

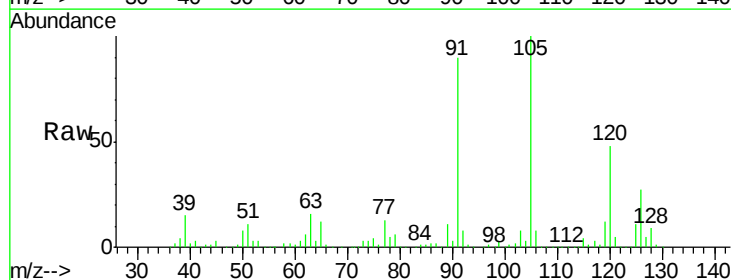
Acq: 12 Jun 2018 12:51

Tgt Ion: 105 Resp: 209683

Ion Ratio Lower Upper

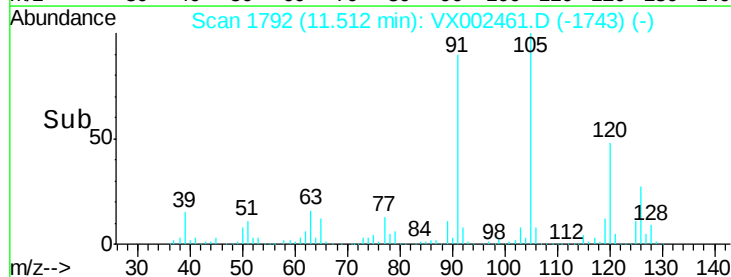
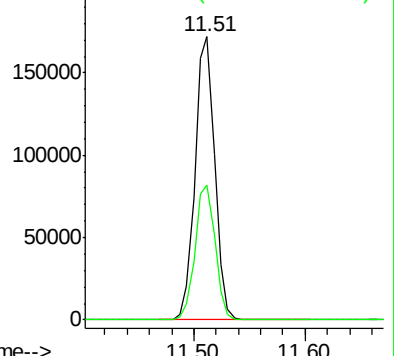
105 100

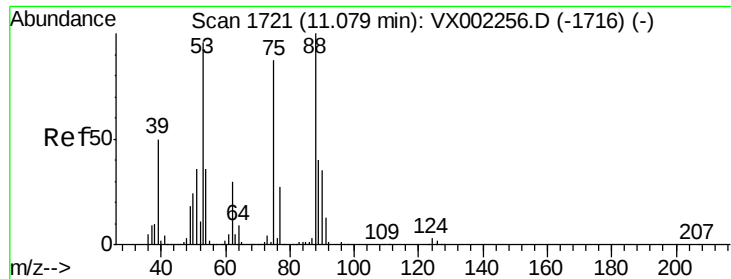
120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.366 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

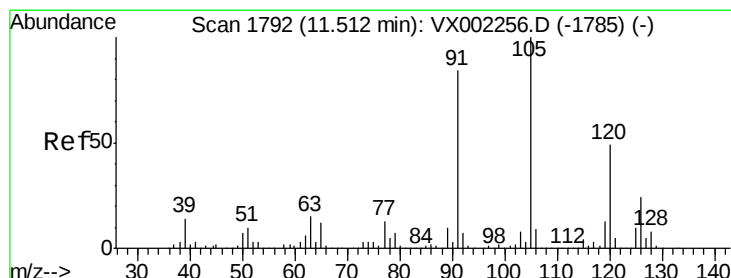
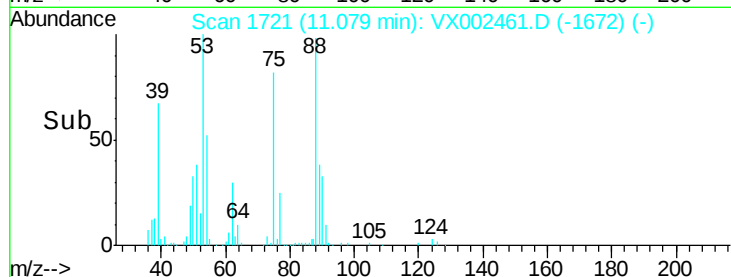
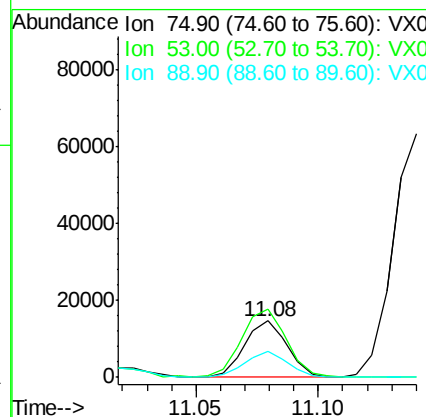
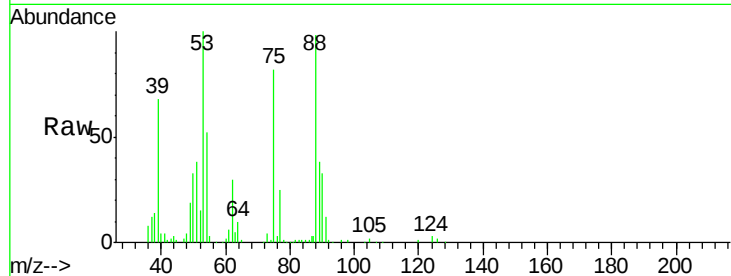
ClientSampleId :

VX0612WBSD01

Tot Ion:	75	Resp:	17601
Ion Ratio	Lower	Upper	
75	100		
53	128.8	86.8	130.2
89	47.4	38.2	57.2

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#82

4-Chlorotoluene

Concen: 18.959 ug/l

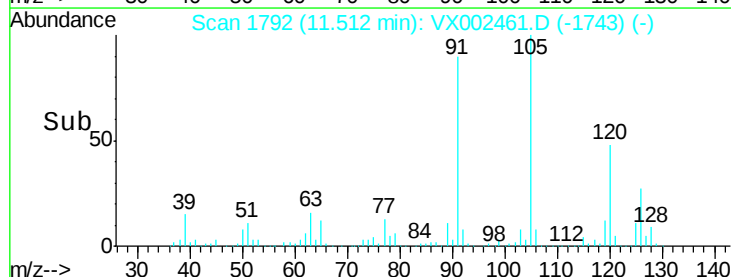
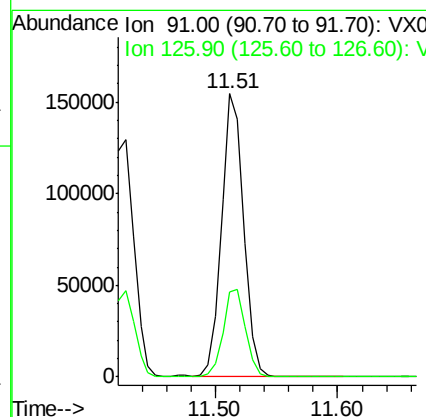
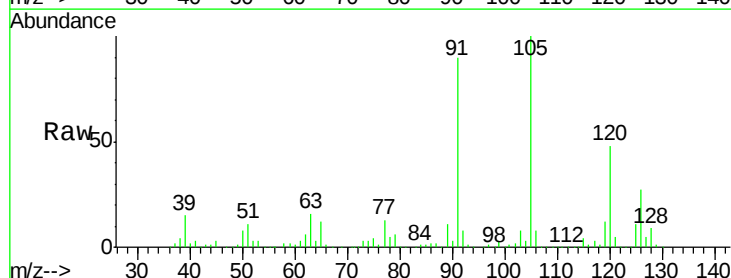
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	91	Resp:	195507
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.4	46.4





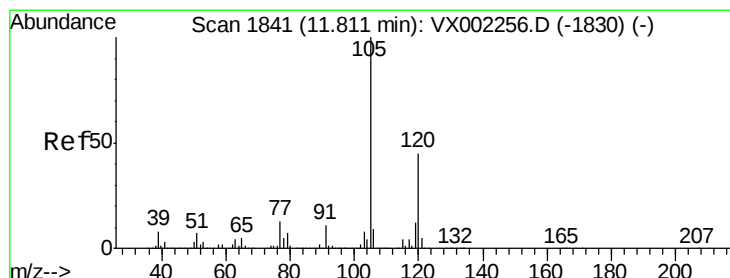
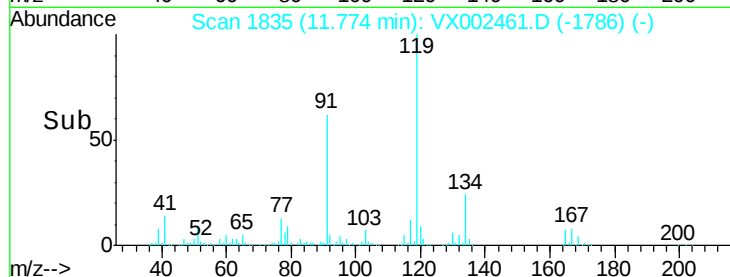
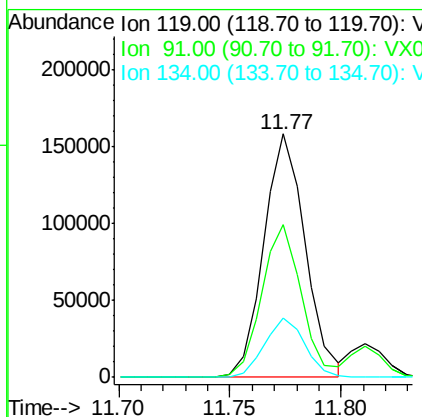
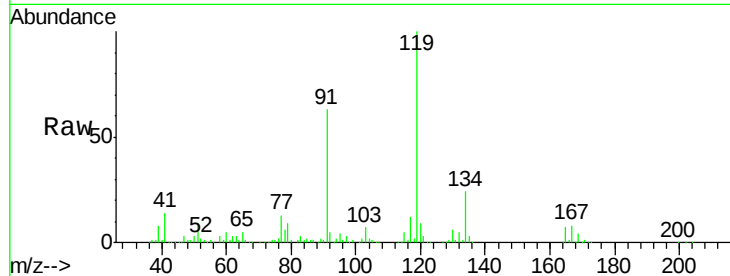
#83
tert-Butylbenzene
Concen: 19.215 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.3	90.9
134	23.8	11.7	35.1

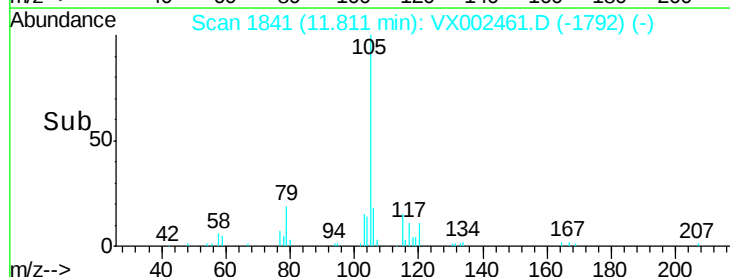
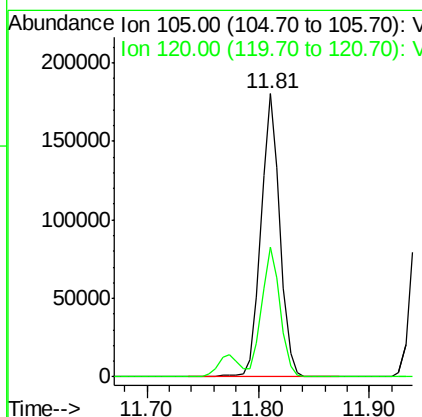
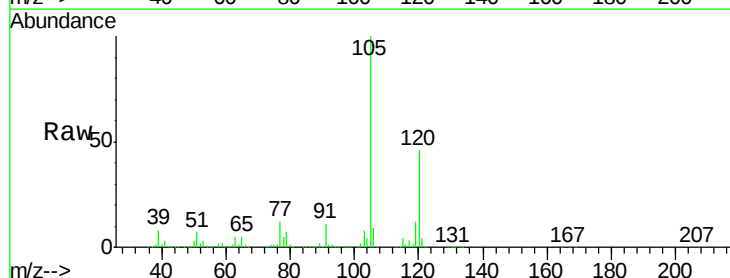
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#84
1,2,4-Trimethylbenzene
Concen: 19.022 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.450 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion:105 Resp: 254899

Ion Ratio Lower Upper

105 100

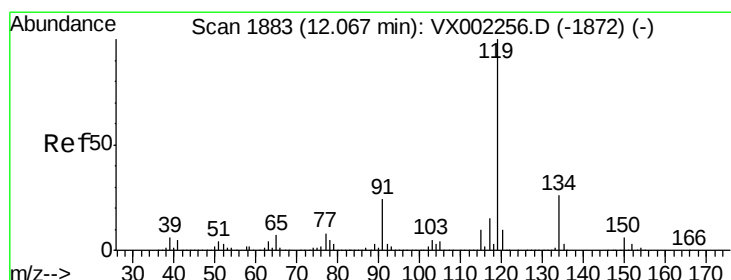
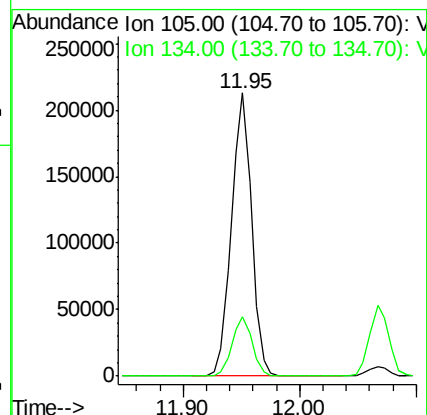
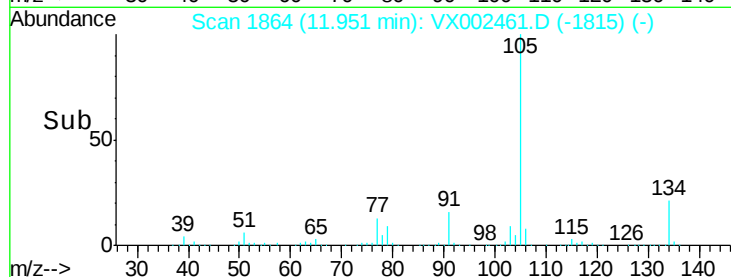
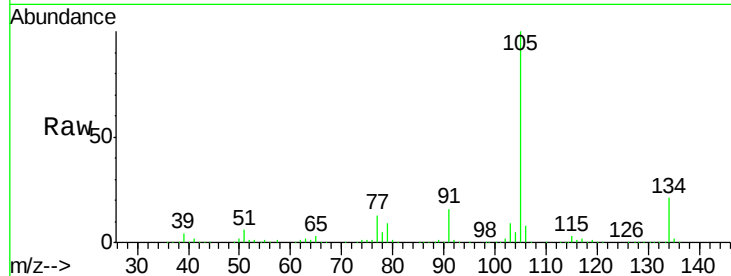
134 21.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.226 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

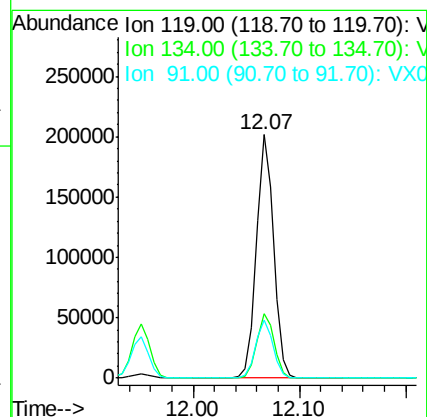
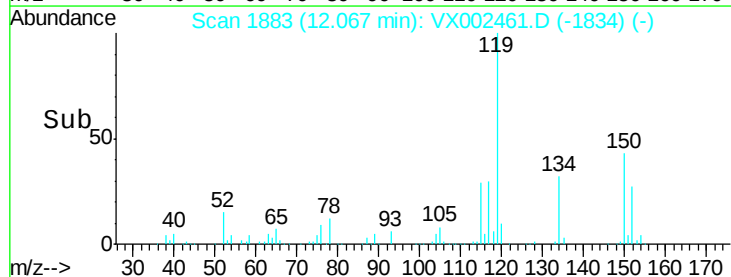
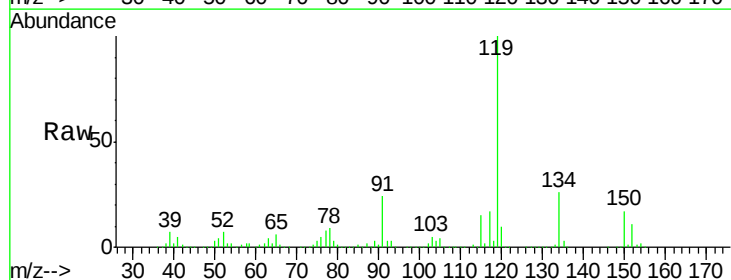
Tgt Ion:119 Resp: 229636

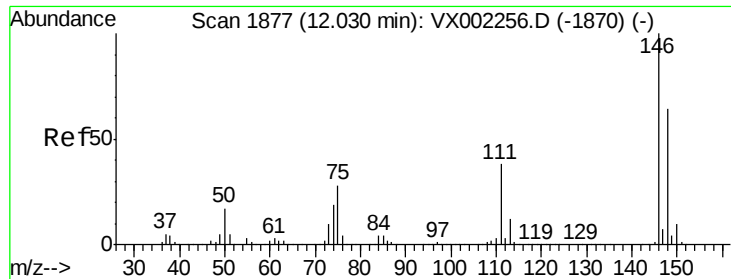
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 24.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.312 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

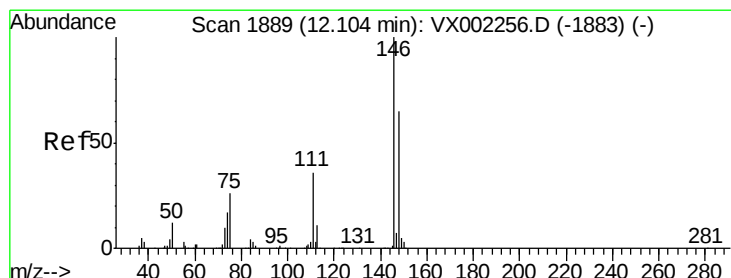
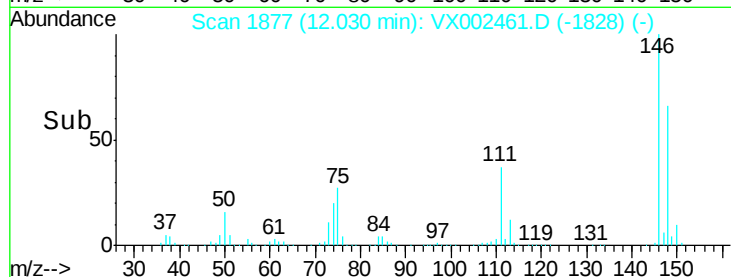
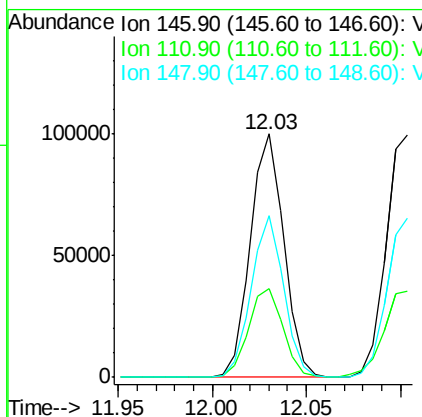
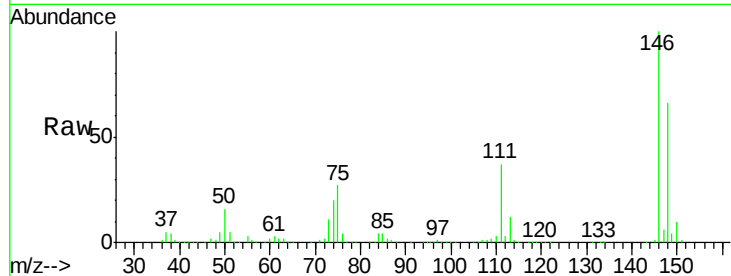
ClientSampleId :

VX0612WBSD01

Tot Ion:	146	Resp:	123402
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.7
148	64.3	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.020 ug/l

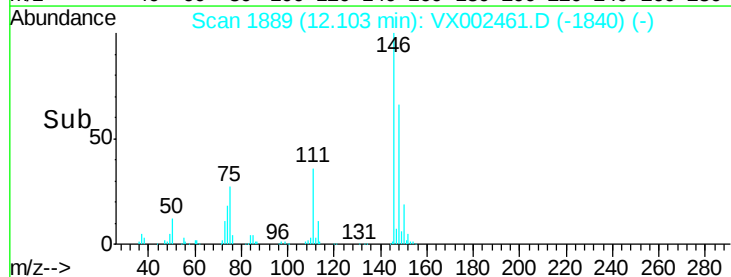
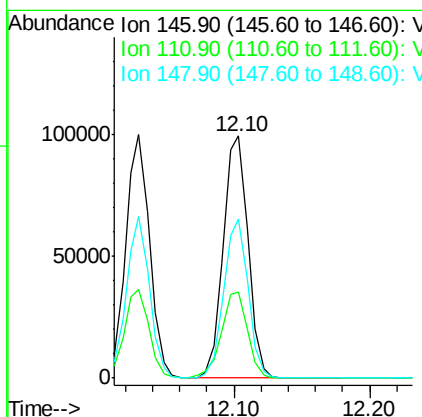
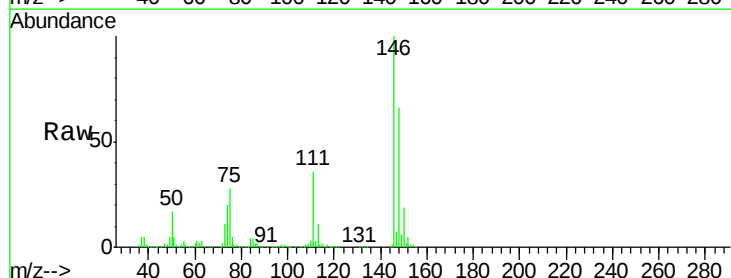
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Tgt Ion:	146	Resp:	125273
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.7	56.1
148	64.5	32.4	97.0





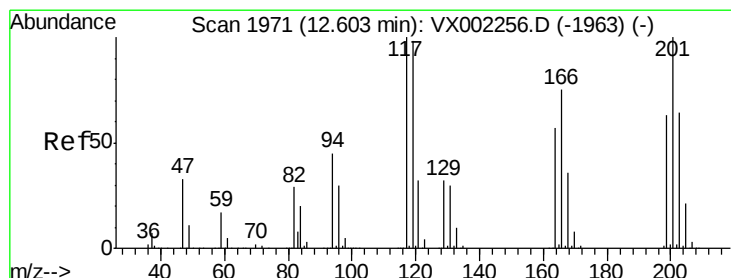
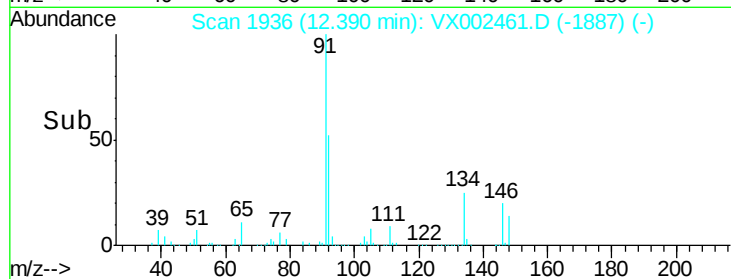
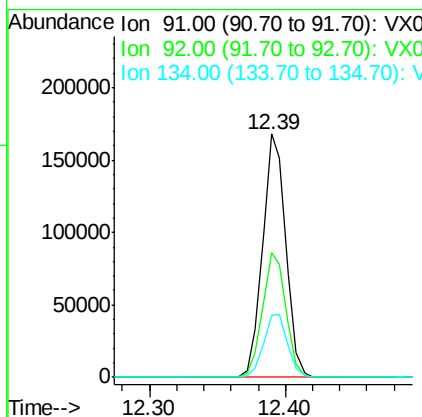
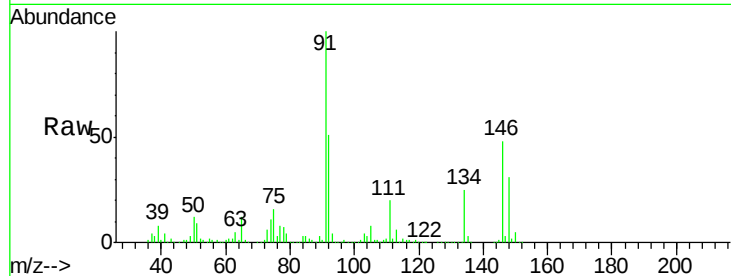
#89
n-Butylbenzene
Concen: 21.181 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	26.7	13.5	40.5

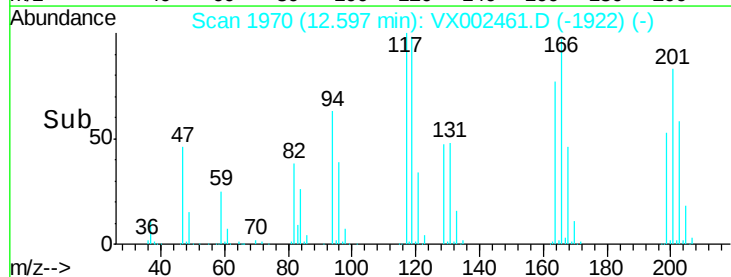
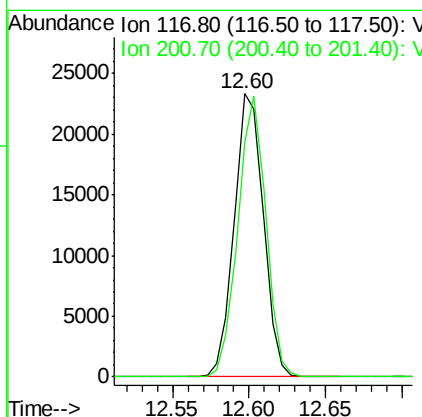
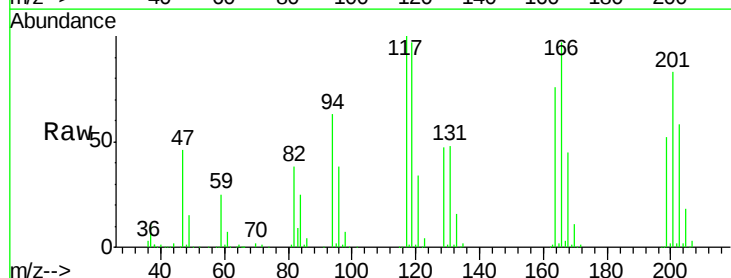
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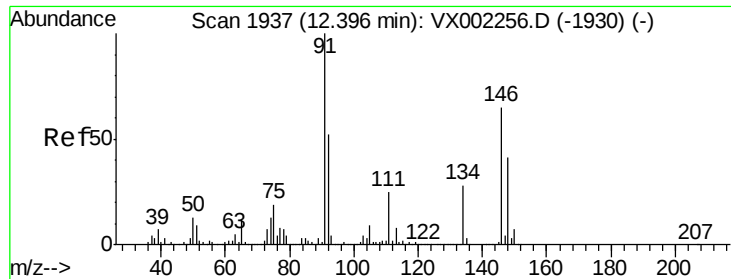
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#90
Hexachloroethane
Concen: 17.002 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	49.0	147.0





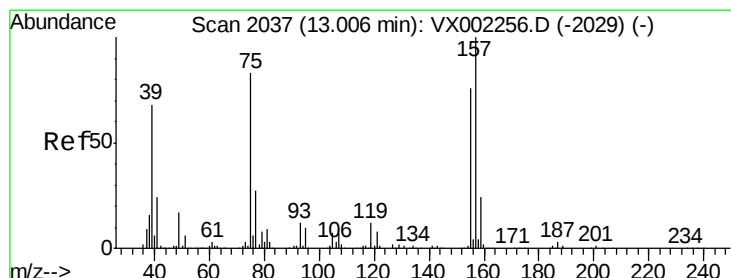
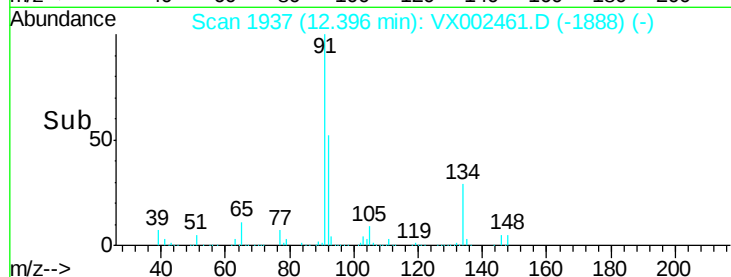
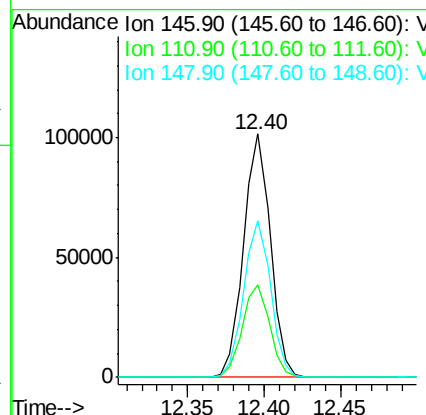
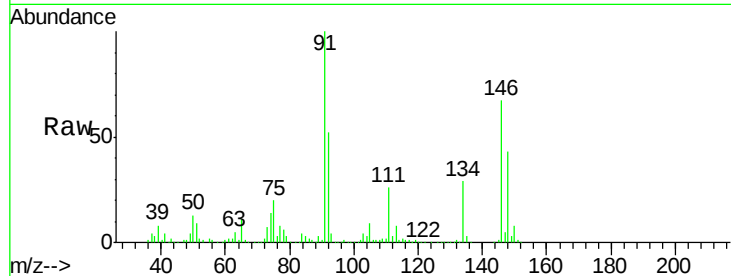
#91
 1,2-Dichlorobenzene
 Concen: 18.760 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.9	31.7	95.1

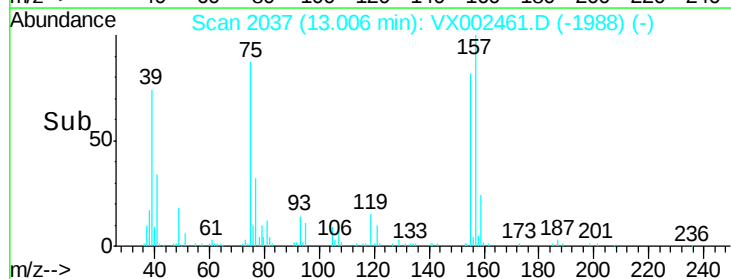
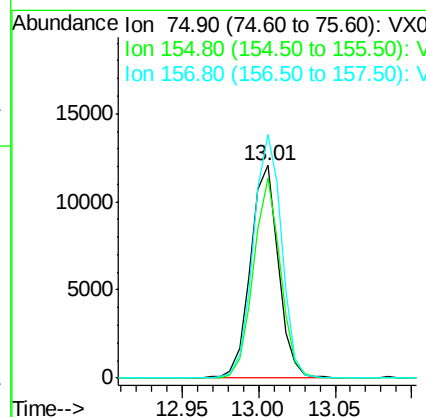
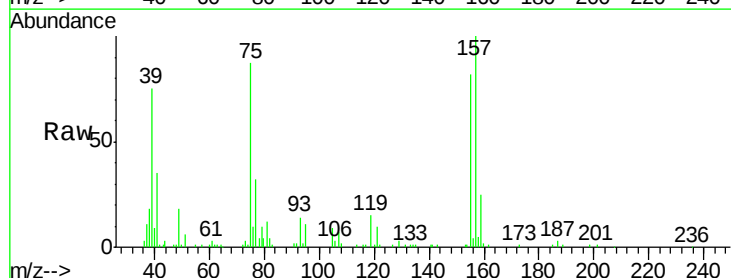
Manual Integrations
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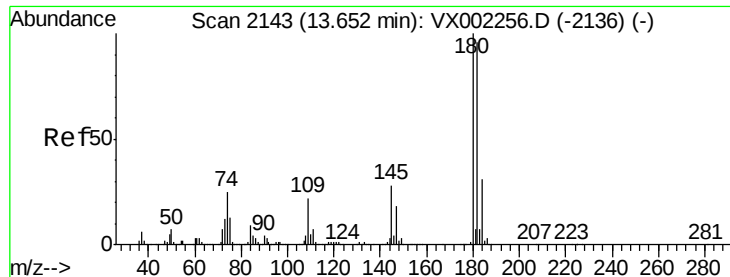
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.433 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002461.D
 Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.8	137.4
157	116.2	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 20.093 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBSD01

Tot Ion:180 Resp: 93143

Ion Ratio Lower Upper

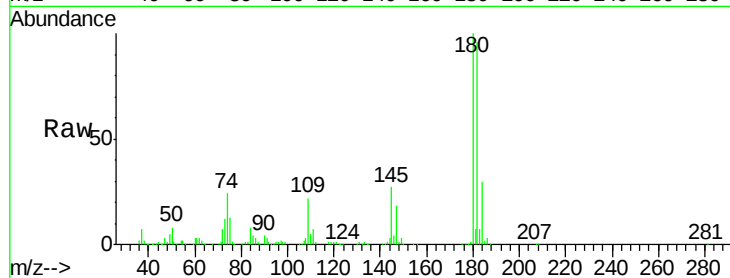
180 100

182 94.7 47.7 143.1

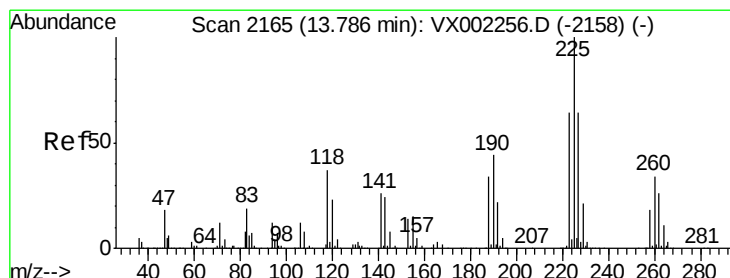
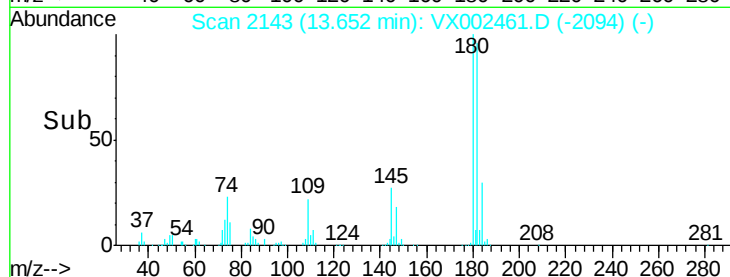
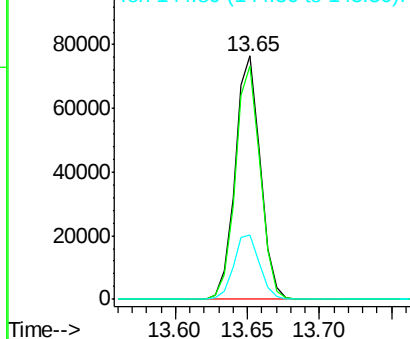
145 27.4 14.1 42.4

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



#94

Hexachlorobutadiene

Concen: 21.728 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002461.D

Acq: 12 Jun 2018 12:51

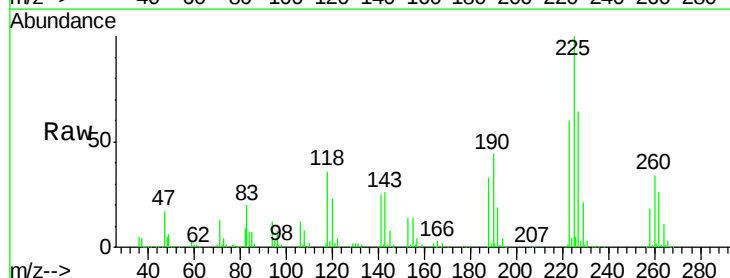
Tgt Ion:225 Resp: 49773

Ion Ratio Lower Upper

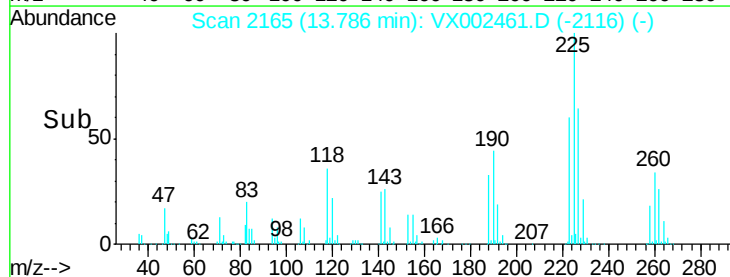
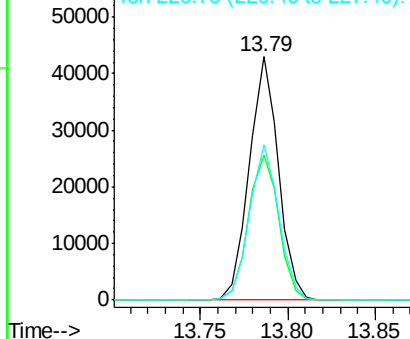
225 100

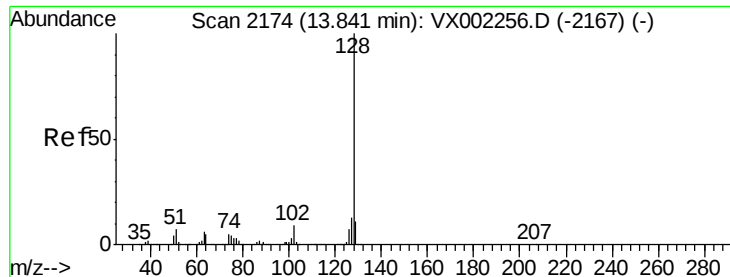
223 62.0 31.6 95.0

227 63.9 32.4 97.2



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





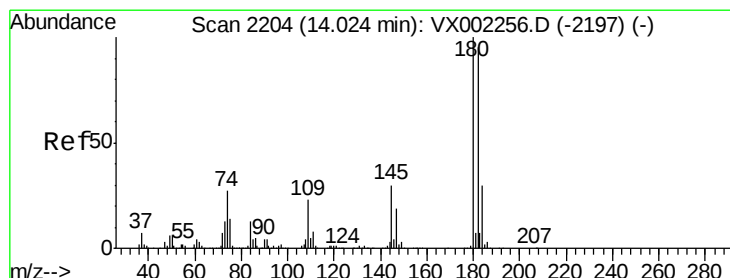
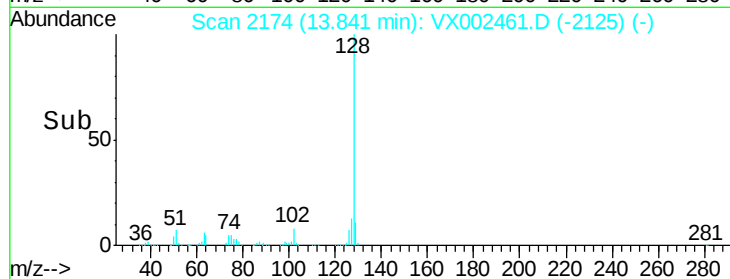
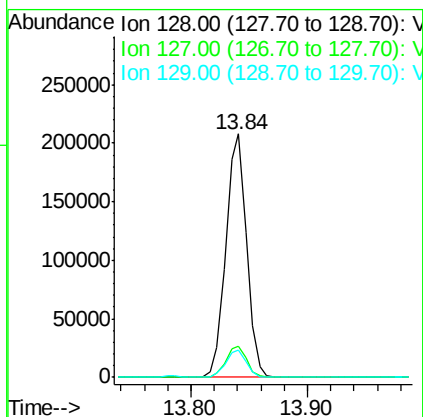
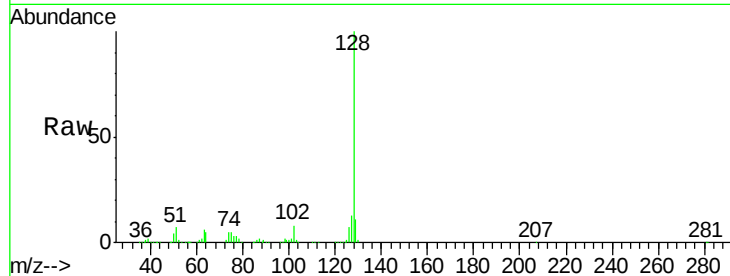
#95
Naphthalene
Concen: 19.128 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/13/2018 1:59:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.929 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002461.D
Acq: 12 Jun 2018 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.0
145	29.3	14.8	44.3

