

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070618\
 Data File : VX003236.D
 Acq On : 07 Jul 2018 02:00
 Operator : JC/MD
 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:56:55 PM

Quant Time: Jul 07 03:23:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	297631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161240	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	5.51	113	138612	58.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.62%	
50) Toluene-d8	8.72	98	472926	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
62) 4-Bromofluorobenzene	11.14	95	182837	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45697	23.256	ug/l	97
3) Chloromethane	1.32	50	49050	23.577	ug/l	99
4) Vinyl Chloride	1.40	62	52623	21.289	ug/l	93
5) Bromomethane	1.64	94	21872	17.170	ug/l	96
6) Chloroethane	1.72	64	34341	22.515	ug/l	100
7) Trichlorofluoromethane	1.93	101	85592	20.528	ug/l	97
8) Diethyl Ether	2.19	74	32531	21.461	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50037	20.711	ug/l	97
10) Methyl Iodide	2.51	142	40937	20.854	ug/l	97
11) Tert butyl alcohol	3.08	59	63934	106.232	ug/l	97
12) 1,1-Dichloroethene	2.37	96	45923	21.304	ug/l	92
13) Acrolein	2.29	56	31923	98.288	ug/l	99
14) Allyl chloride	2.73	41	84383	19.859	ug/l	95
15) Acrylonitrile	3.15	53	142514	110.864	ug/l	99
16) Acetone	2.45	43	129565	103.558	ug/l	97
17) Carbon Disulfide	2.57	76	110531	19.245	ug/l	100
18) Methyl Acetate	2.78	43	73514	21.016	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	164632	21.244	ug/l	100
20) Methylene Chloride	2.86	84	57972	23.811	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	49127	20.924	ug/l	92
22) Diisopropyl ether	3.88	45	174325	21.462	ug/l	99
23) Vinyl Acetate	3.83	43	719692	104.640	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93804	21.248	ug/l	99
25) 2-Butanone	4.71	43	215831	116.238	ug/l	98
26) 2,2-Dichloropropane	4.59	77	55123	15.356	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	60001	22.793	ug/l	99
28) Bromochloromethane	5.02	49	48460	22.933	ug/l	90
29) Tetrahydrofuran	5.17	42	138550	116.358	ug/l	96
30) Chloroform	5.22	83	104400	23.043	ug/l	95
31) Cyclohexane	5.58	56	81139	21.416	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	89341	22.413	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70576	21.623	ug/l	98
37) Ethyl Acetate	4.87	43	82637	23.515	ug/l	98
38) Carbon Tetrachloride	5.79	117	80219	22.397	ug/l	98

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 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Manual Integrations
 APPROVED

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 7/9/2018 12:56:55 PM

Quant Time: Jul 07 03:23:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79336	20.868	ug/l	98
40) Benzene	6.15	78	223040	23.519	ug/l	97
41) Methacrylonitrile	5.07	41	46727	23.090	ug/l	96
42) 1,2-Dichloroethane	6.20	62	84093	21.952	ug/l	98
43) Isopropyl Acetate	6.47	43	129211	21.923	ug/l	97
44) Trichloroethene	7.21	130	65111	23.028	ug/l	98
45) 1,2-Dichloropropane	7.52	63	57568	22.884	ug/l	99
46) Dibromomethane	7.67	93	39830	22.815	ug/l	95
47) Bromodichloromethane	7.90	83	72808	22.559	ug/l	98
48) Methyl methacrylate	7.78	41	66497	21.897	ug/l	95
49) 1,4-Dioxane	7.76	88	28101	475.610	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	425000	115.253	ug/l	97
52) Toluene	8.79	92	141847	23.348	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	80270	21.961	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	71780	20.410	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	60065	24.060	ug/l	96
56) Ethyl methacrylate	9.18	69	82187	22.526	ug/l	92
57) 1,3-Dichloropropane	9.38	76	96992	23.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	188957	107.349	ug/l	97
59) 2-Hexanone	9.50	43	324830	115.905	ug/l	96
60) Dibromochloromethane	9.59	129	60846	23.153	ug/l	99
61) 1,2-Dibromoethane	9.68	107	62456	23.851	ug/l	100
64) Tetrachloroethene	9.34	164	79058	24.861	ug/l	97
65) Chlorobenzene	10.14	112	165455	22.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	61076	23.145	ug/l	100
67) Ethyl Benzene	10.26	91	263361	21.947	ug/l	100
68) m/p-Xylenes	10.36	106	207167	44.796	ug/l	98
69) o-Xylene	10.70	106	102144	22.683	ug/l	97
70) Styrene	10.71	104	168516	23.030	ug/l	99
71) Bromoform	10.86	173	46967	22.065	ug/l #	98
73) Isopropylbenzene	11.02	105	278215	23.194	ug/l	99
74) N-amyl acetate	6.47	43	129211	22.016	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	87526	23.688	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	83720m	25.921	ug/l	
77) Bromobenzene	11.26	156	78476	22.974	ug/l	96
78) n-propylbenzene	11.36	91	308063	22.562	ug/l	99
79) 2-Chlorotoluene	11.42	91	188200	22.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	230680	22.833	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	18359	18.745	ug/l	94
82) 4-Chlorotoluene	11.51	91	217565	22.232	ug/l	98
83) tert-Butylbenzene	11.77	119	222299	22.326	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	237528	22.692	ug/l	99
85) sec-Butylbenzene	11.95	105	272508	22.561	ug/l	99
86) p-Isopropyltoluene	12.07	119	243946	22.464	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	142171	22.788	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	142358	22.173	ug/l	100
89) n-Butylbenzene	12.39	91	192353	20.351	ug/l	99
90) Hexachloroethane	12.60	117	34661	21.459	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	145084	23.040	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17955	21.616	ug/l	95

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Acq On : 07 Jul 2018 02:00
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:55 PM

Quant Time: Jul 07 03:23:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	100041	21.830	ug/l	99
94) Hexachlorobutadiene	13.79	225	49153	21.505	ug/l	99
95) Naphthalene	13.84	128	281082	23.028	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103824	22.682	ug/l	100

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

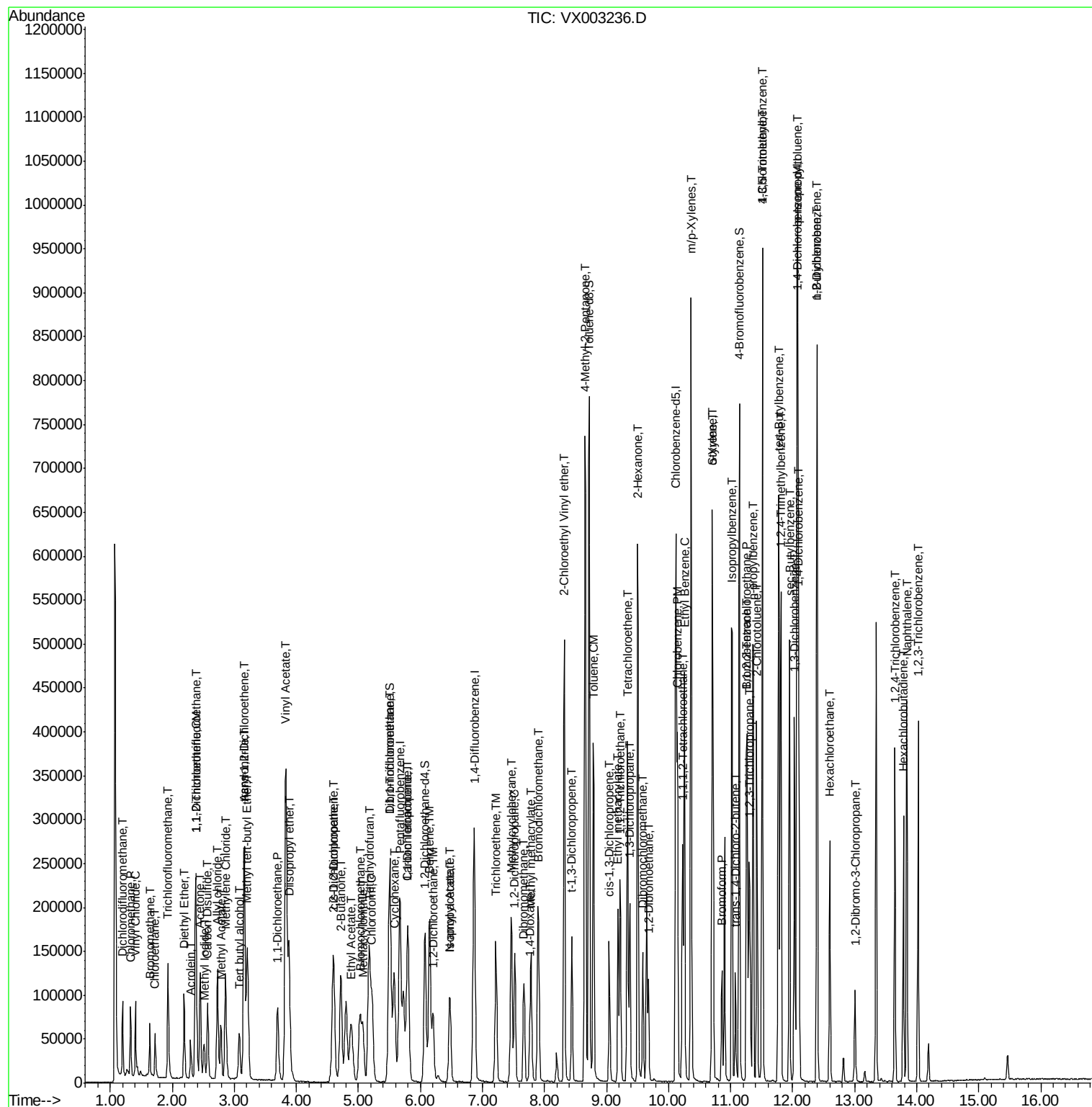
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003236.D
 Acq On : 07 Jul 2018 02:00
 Operator : JC/MD
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 Misc : 5.0mL/MSVOA X/WATER
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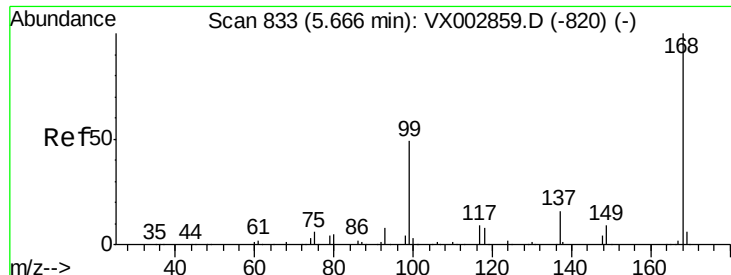
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0706WBSD01

Manual Integrations
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Quant Time: Jul 07 03:23:54 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:168 Resp: 218573

Ion Ratio Lower Upper

168 100

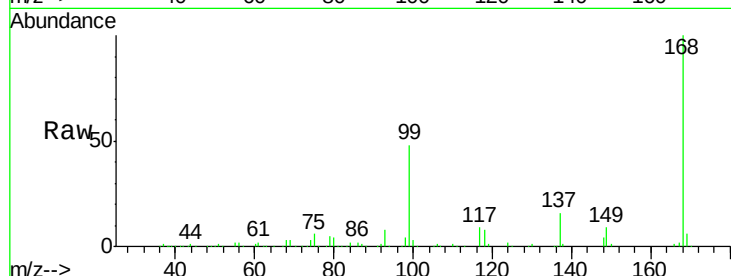
99 48.4 39.3 58.9

Manual Integrations

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7/9/2018 12:56:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

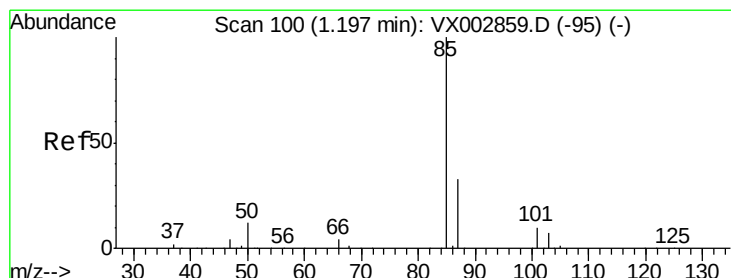
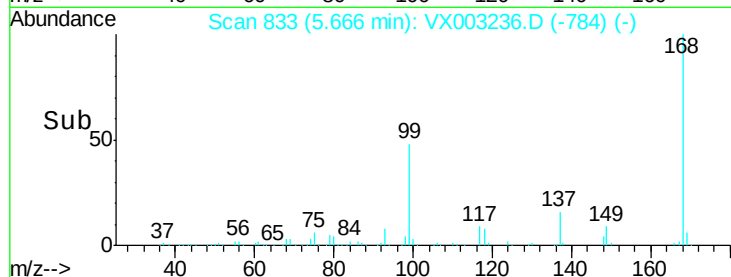
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.256 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003236.D

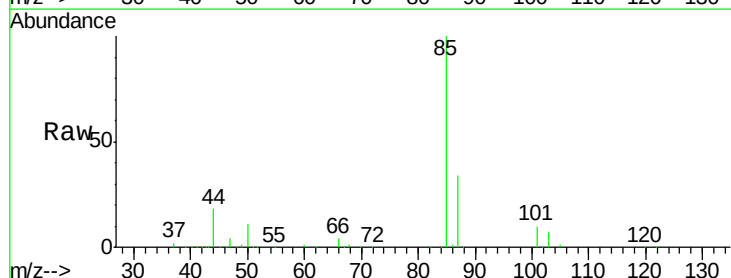
Acq: 07 Jul 2018 02:00

Tgt Ion: 85 Resp: 45697

Ion Ratio Lower Upper

85 100

87 33.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

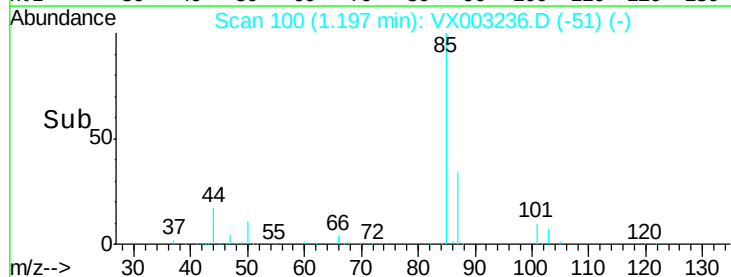
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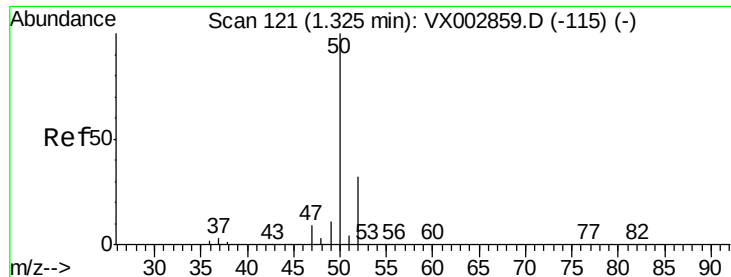
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0

1.15 1.20 1.25 1.30

Time-->





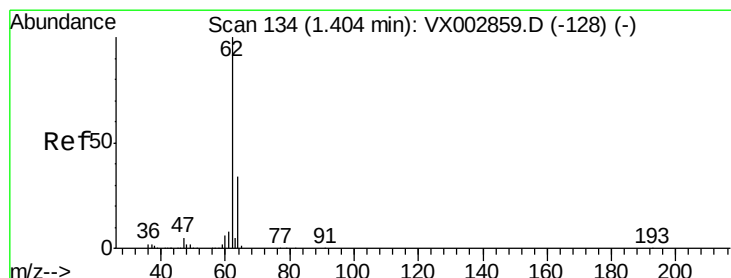
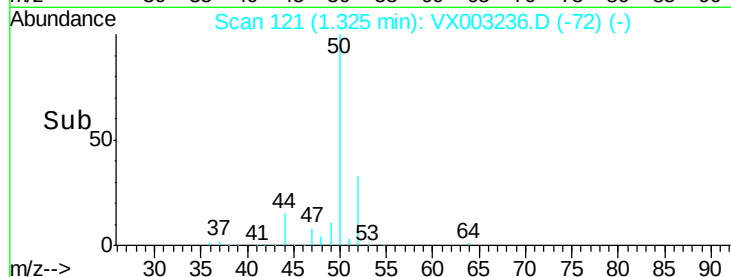
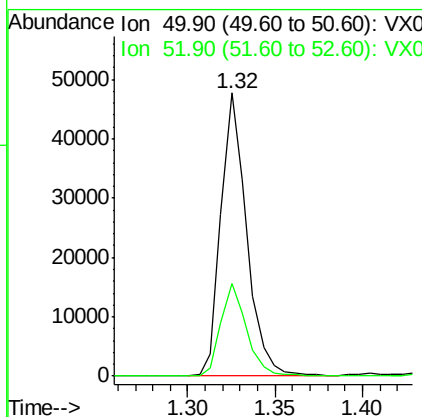
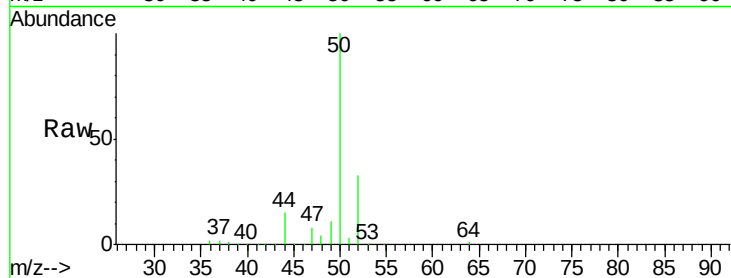
#3
Chloromethane
Concen: 23.577 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion: 50 Resp: 49050
Ion Ratio Lower Upper
50 100
52 32.6 25.7 38.5

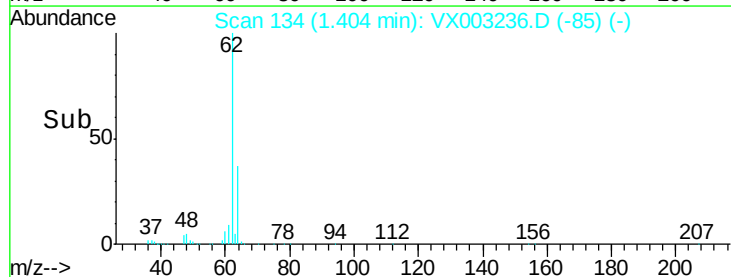
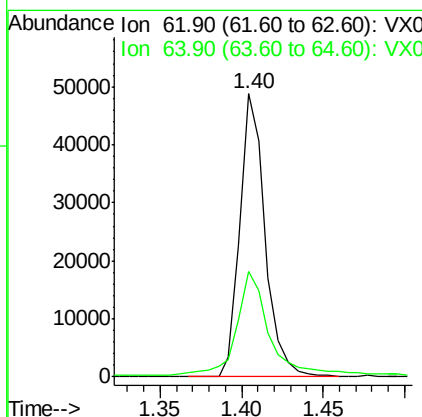
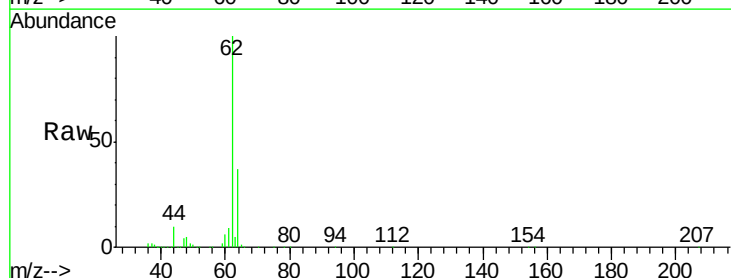
Manual Integrations
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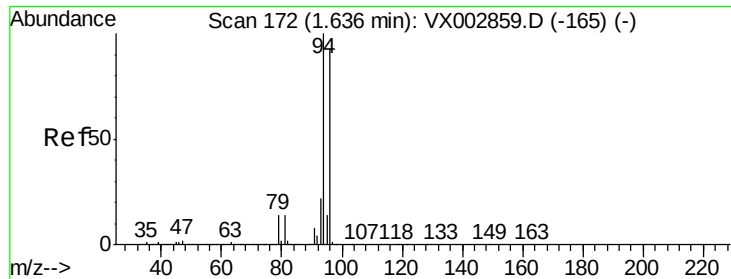
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#4
Vinyl Chloride
Concen: 21.289 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 62 Resp: 52623
Ion Ratio Lower Upper
62 100
64 35.9 25.4 38.2





#5

Bromomethane

Concen: 17.170 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 94 Resp: 21872

Ion Ratio Lower Upper

94 100

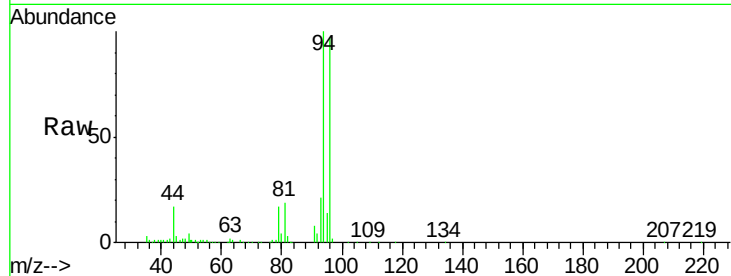
96 97.1 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

15000

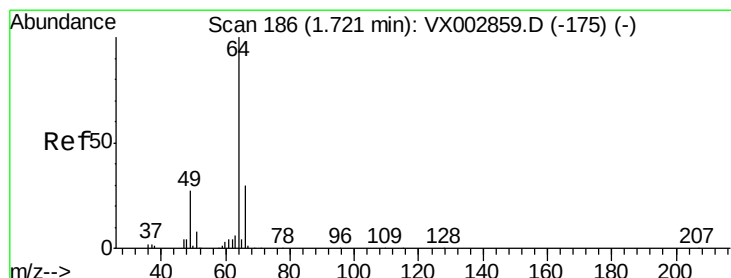
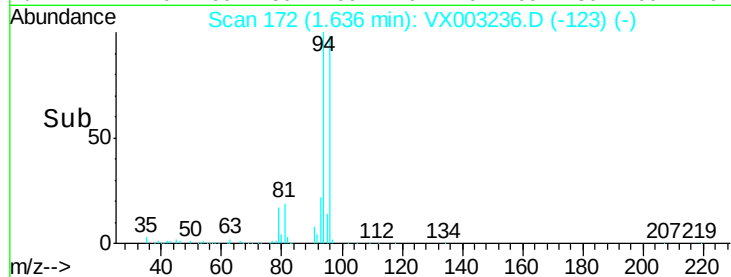
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5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 22.515 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003236.D

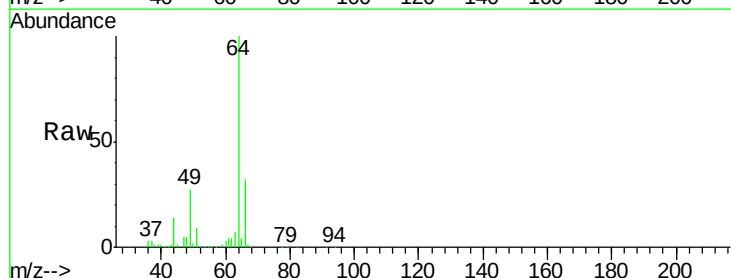
Acq: 07 Jul 2018 02:00

Tgt Ion: 64 Resp: 34341

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

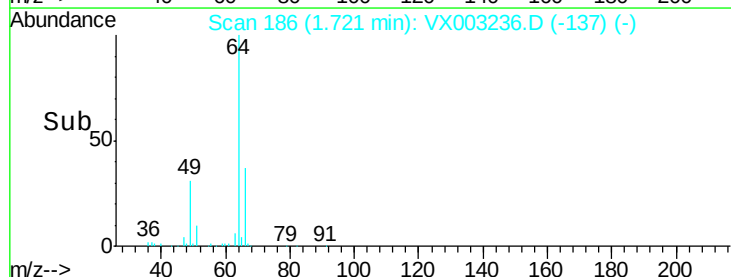
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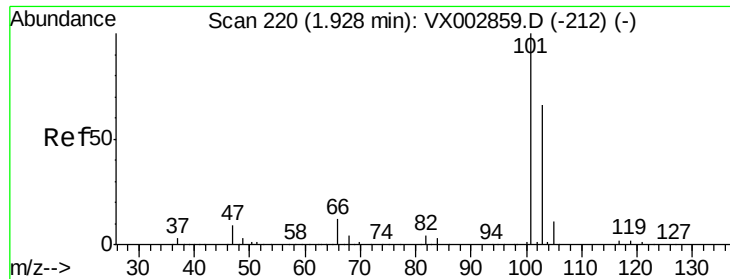
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Time-->

1.60 1.65 1.70 1.75 1.80





#7

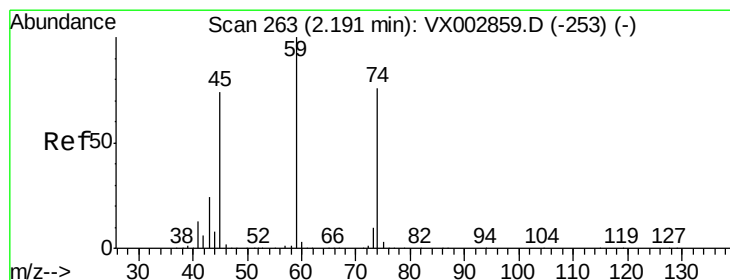
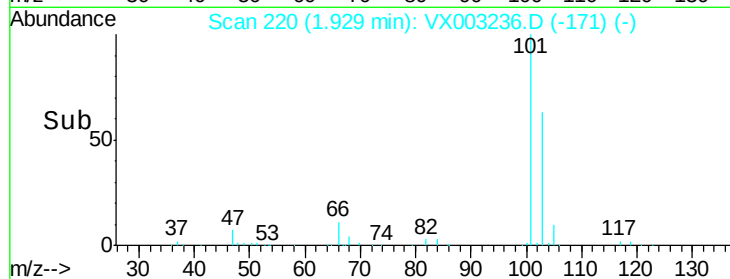
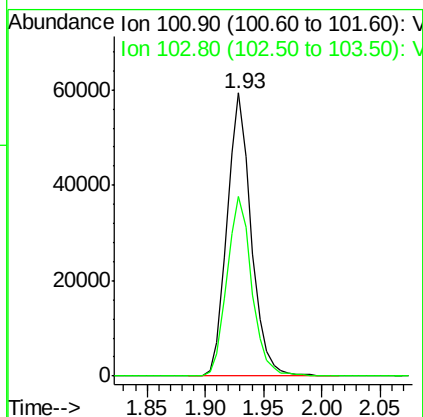
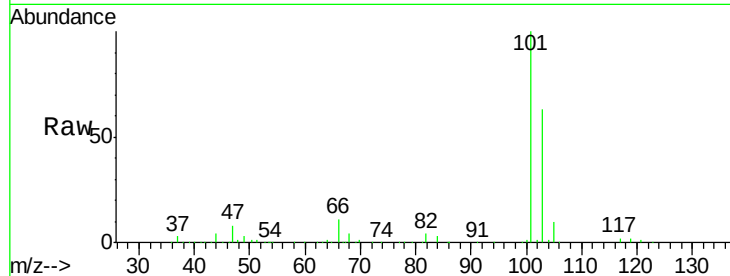
Trichlorofluoromethane
Concen: 20.528 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.8	79.2

Manual Integrations
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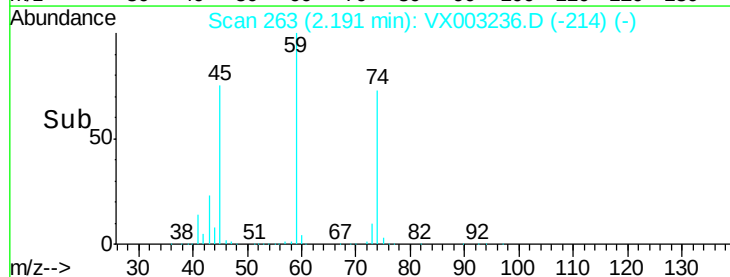
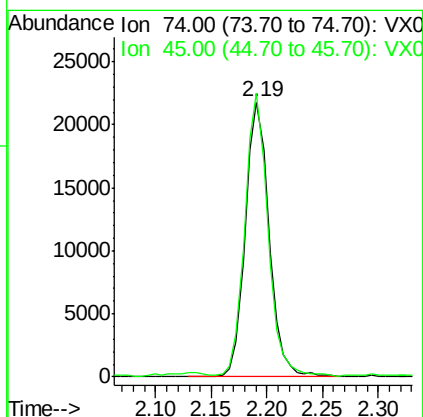
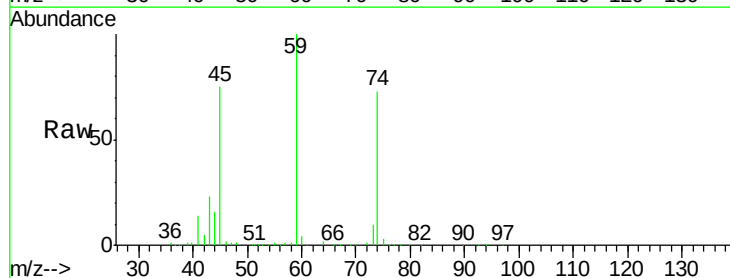
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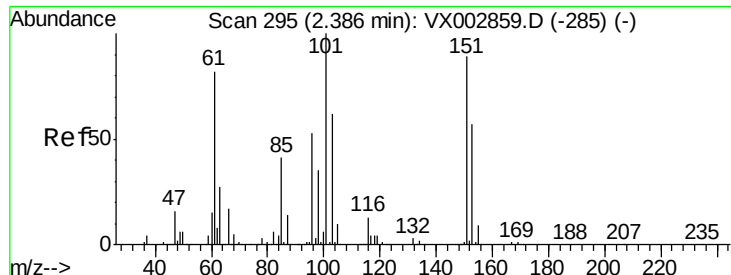


#8

Diethyl Ether
Concen: 21.461 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.711 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

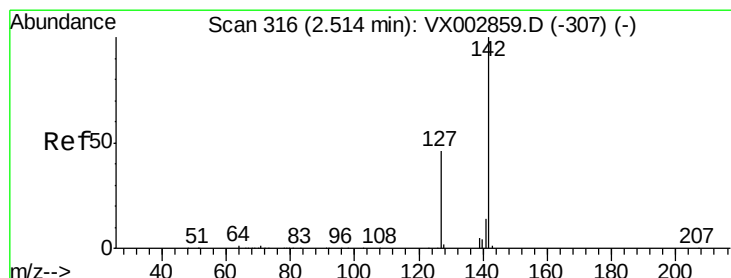
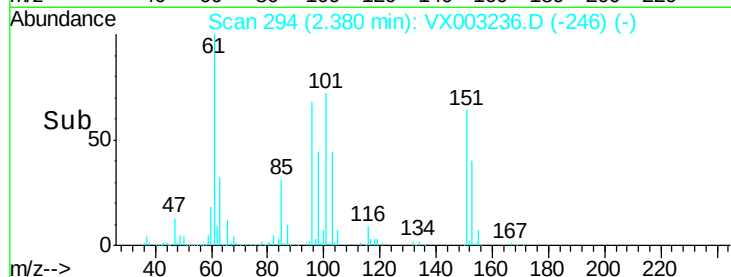
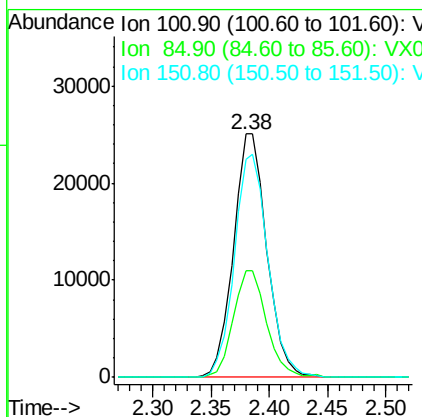
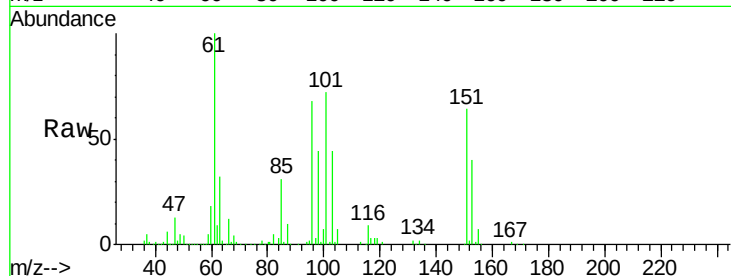
ClientSampleId :

VX0706WBSD01

Tot Ion:	101	Resp:	50037
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	92.3	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.854 ug/l

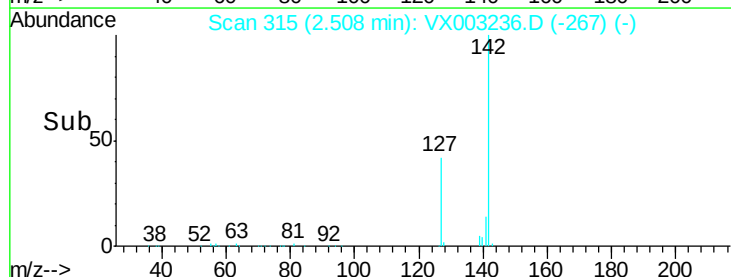
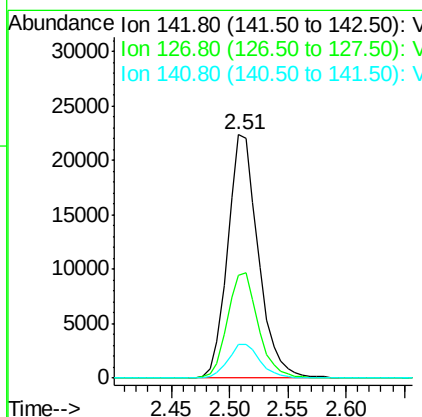
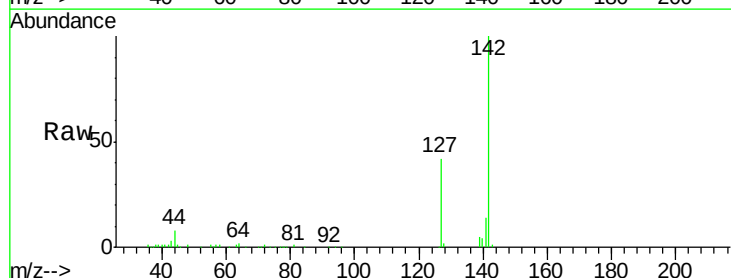
RT: 2.51 min Scan# 315

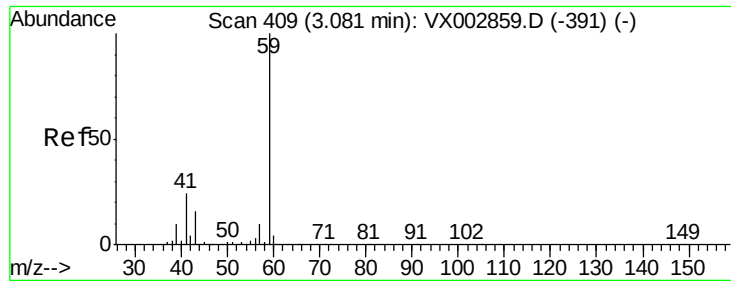
Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	142	Resp:	40937
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.6	55.0
141	14.6	11.3	16.9





#11

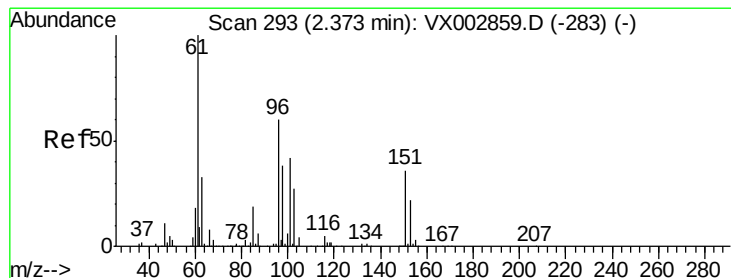
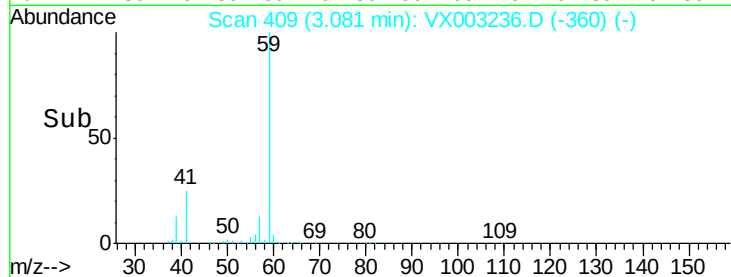
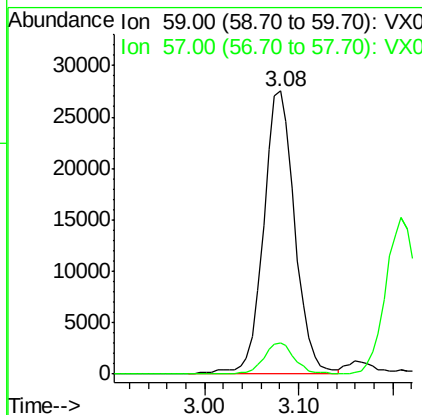
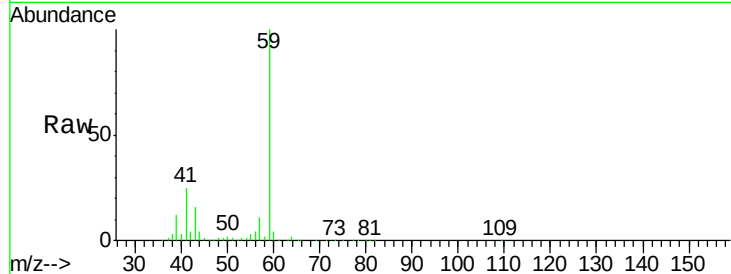
Tert butyl alcohol
 Concen: 106.232 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.2	8.2	12.2

Manual Integrations
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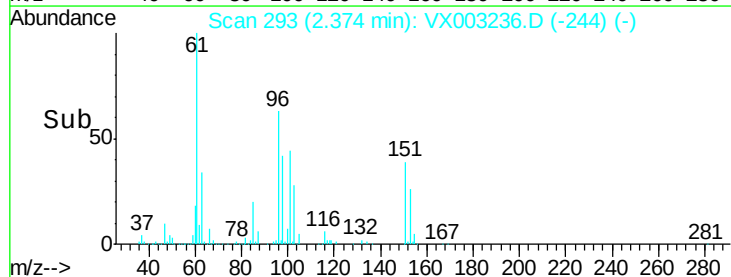
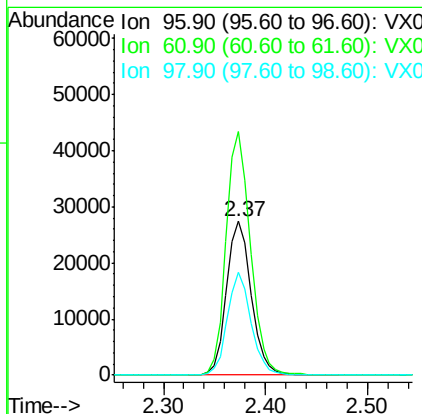
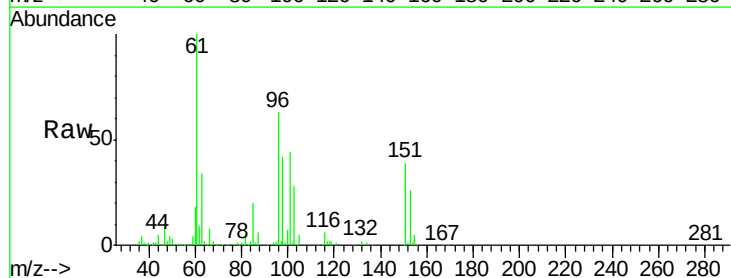
MMDadoda
 7/9/2018 12:56:55 PM

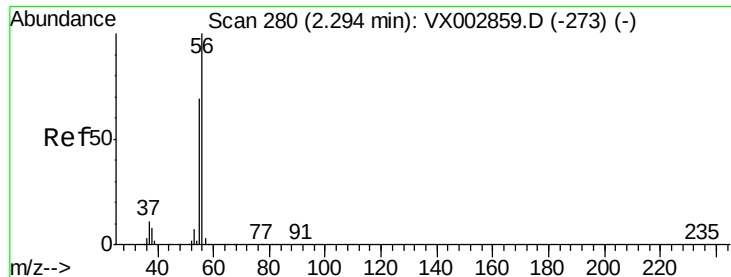


#12

1,1-Dichloroethene
 Concen: 21.304 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	158.4	137.9	206.9
98	98	66.6	51.6	77.4





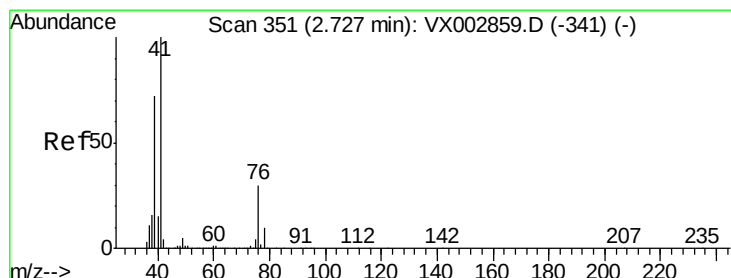
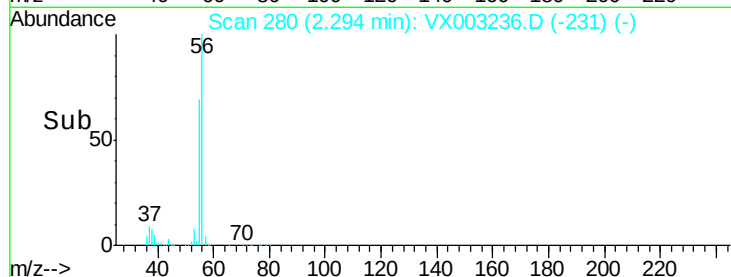
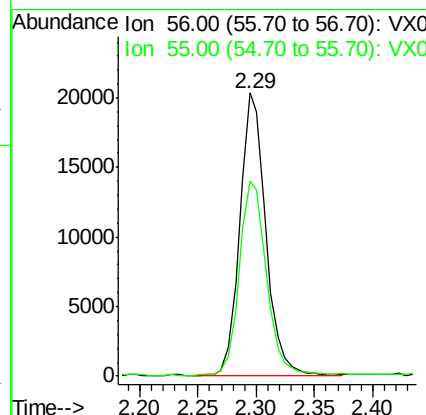
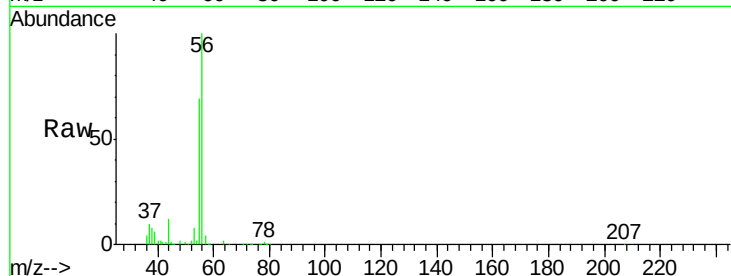
#13
Acrolein
Concen: 98.288 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	56	Resp	31923
Ion Ratio	100	Lower	Upper
55	71.7	57.0	85.4

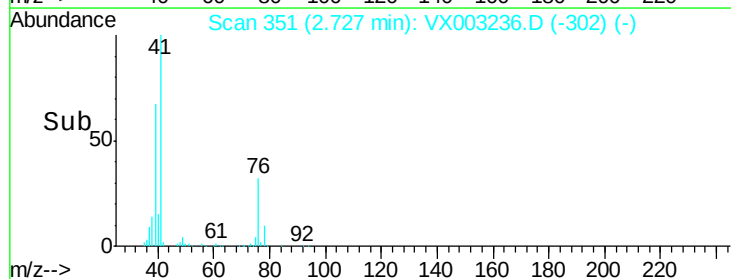
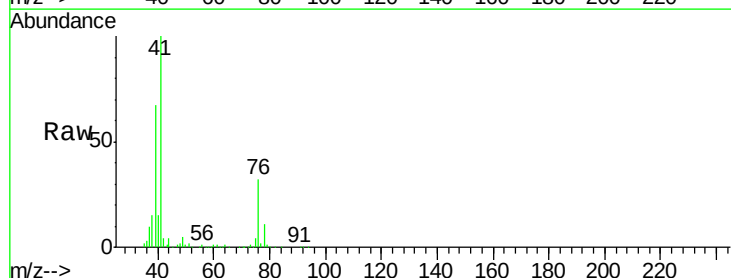
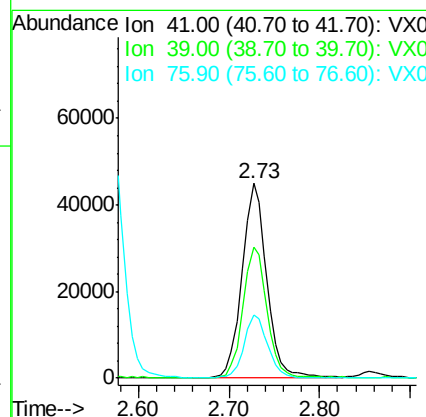
Manual Integrations
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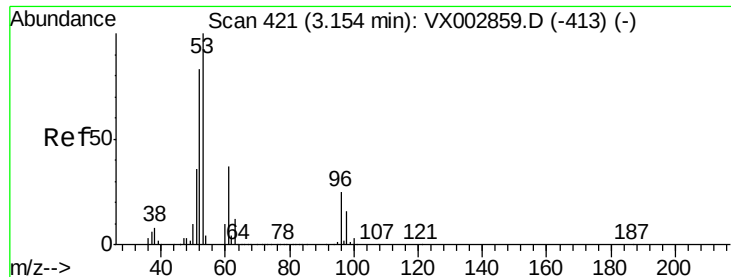
MMDadoda
7/9/2018 12:56:55 PM



#14
Allyl chloride
Concen: 19.859 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	41	Resp	84383
Ion Ratio	100	Lower	Upper
39	65.7	56.8	85.2
76	31.5	23.8	35.8





#15

Acrylonitrile

Concen: 110.864 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

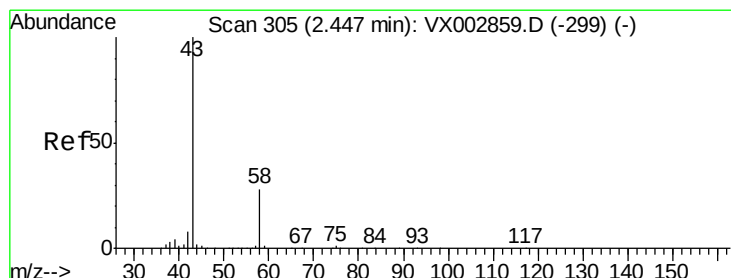
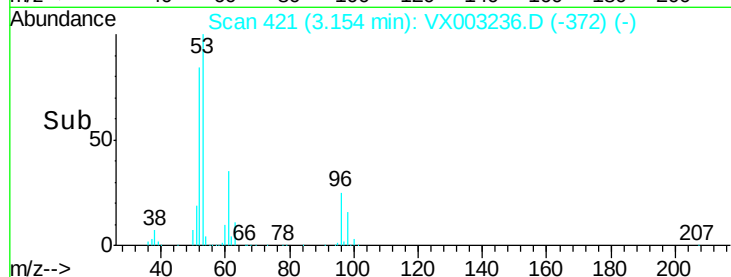
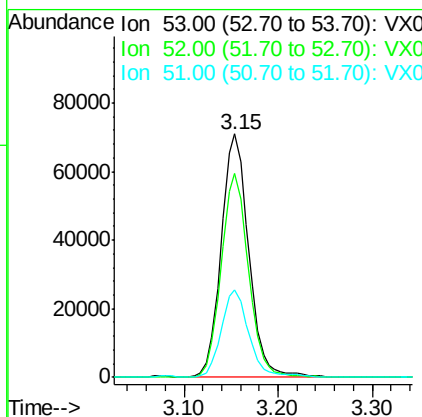
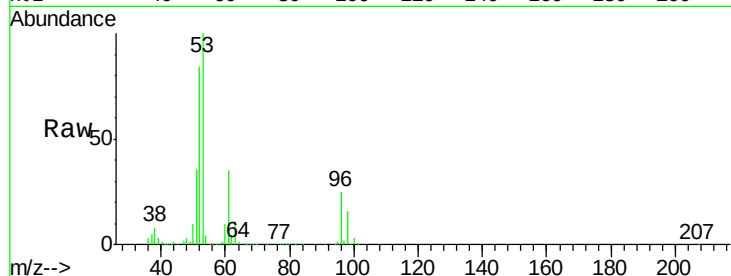
ClientSampleId :

VX0706WBSD01

Tot Ion:	53	Resp:	142514
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.7	100.1
51	36.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 103.558 ug/l

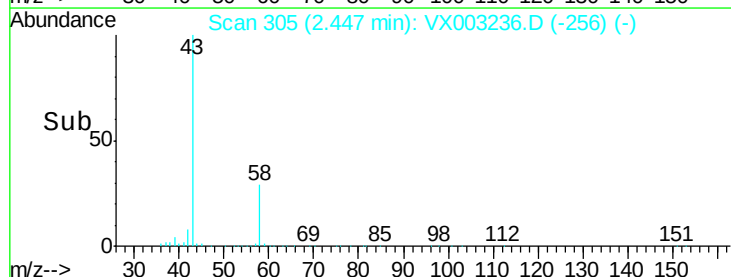
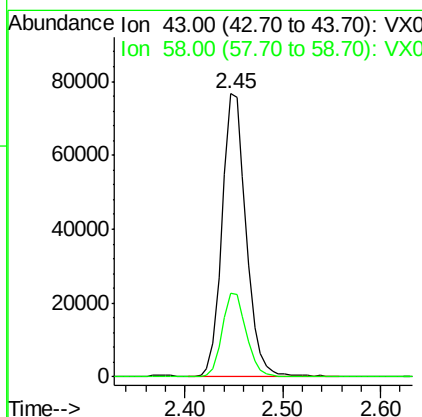
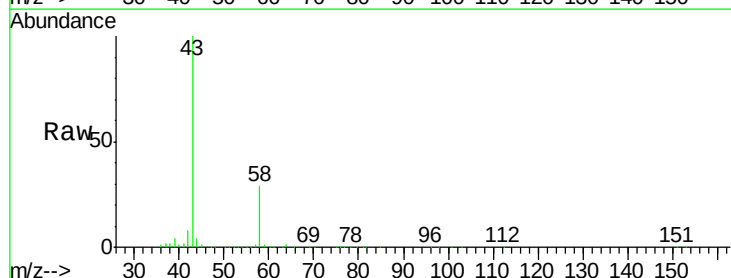
RT: 2.45 min Scan# 305

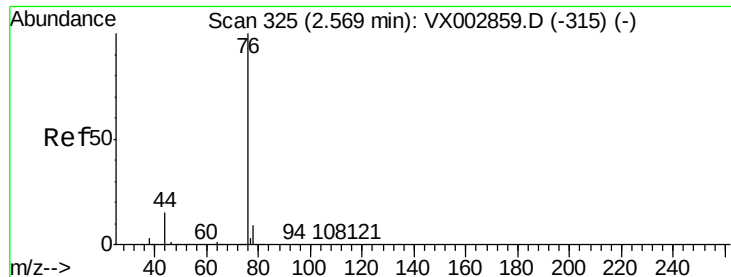
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	43	Resp:	129565
Ion Ratio		Lower	Upper
43	100		
58	29.4	22.1	33.1





#17

Carbon Disulfide

Concen: 19.245 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 76 Resp: 110531

Ion Ratio Lower Upper

76 100

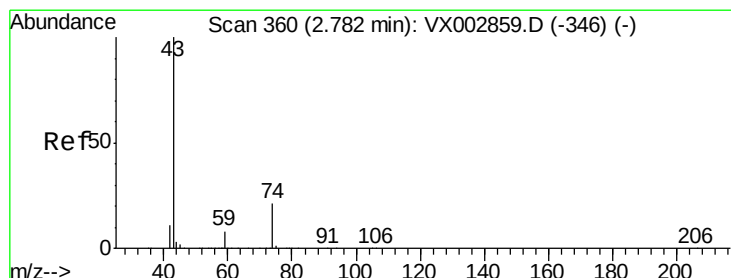
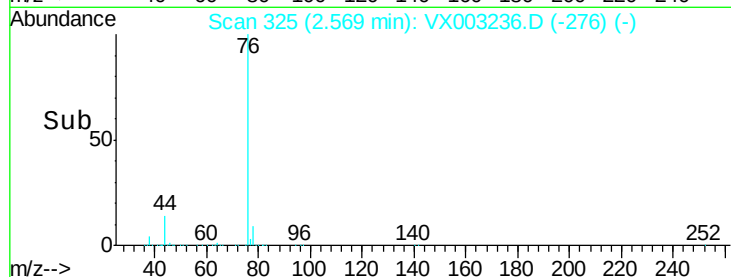
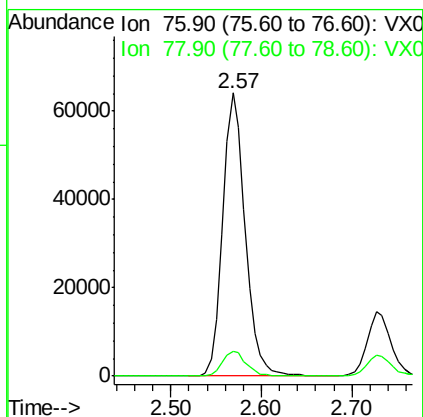
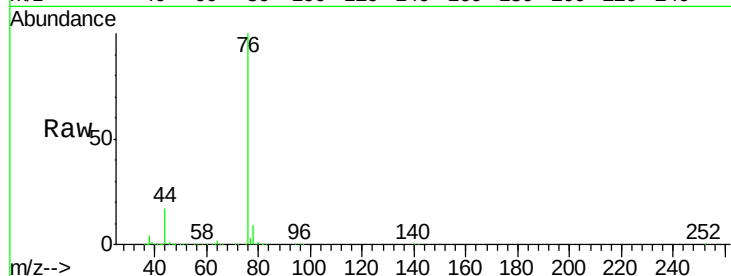
78 8.6 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 21.016 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003236.D

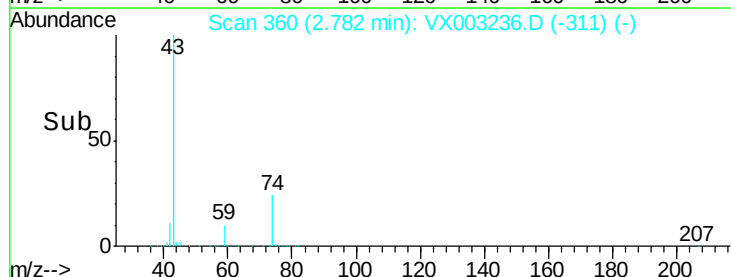
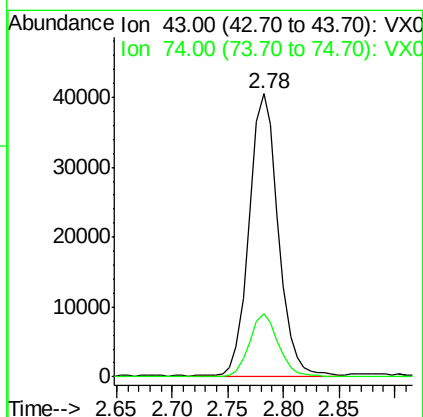
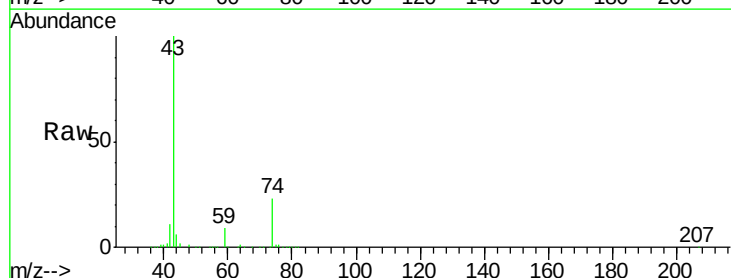
Acq: 07 Jul 2018 02:00

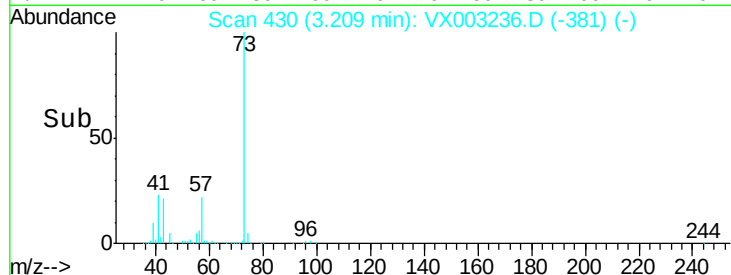
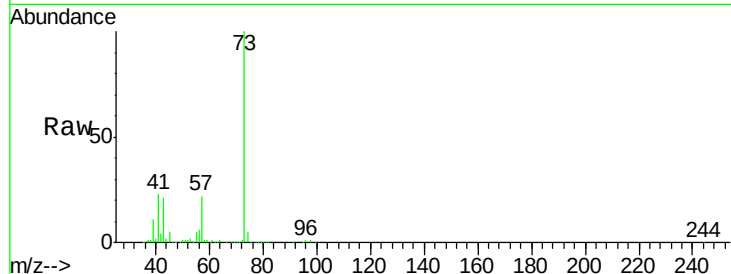
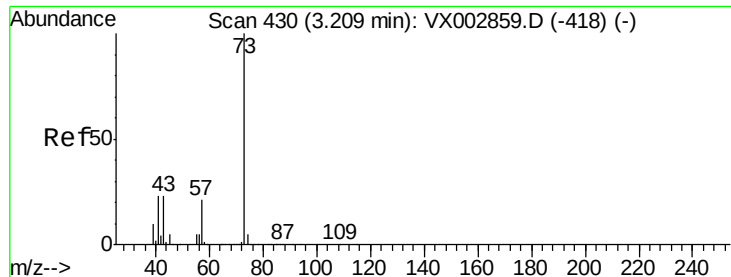
Tgt Ion: 43 Resp: 73514

Ion Ratio Lower Upper

43 100

74 22.4 16.7 25.1





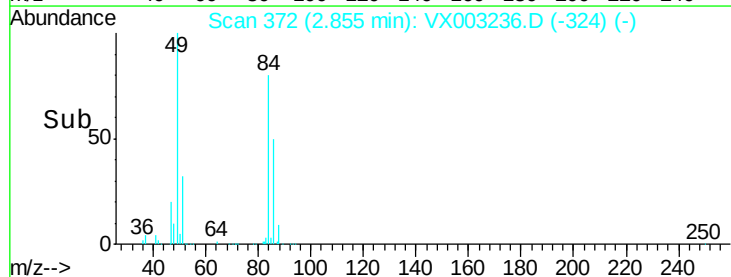
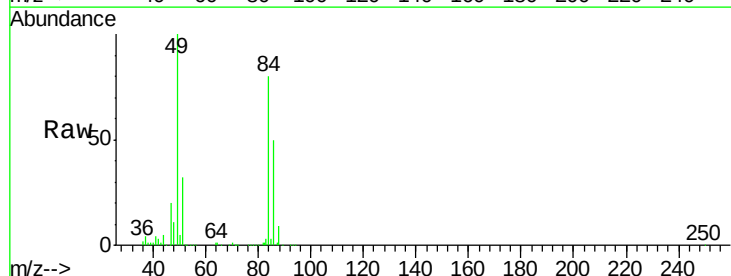
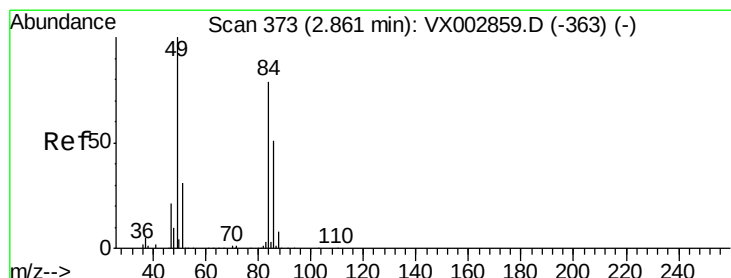
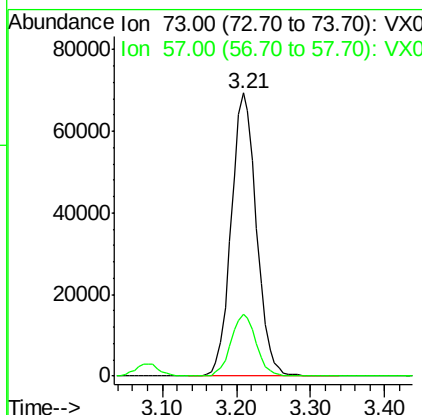
#19
Methyl tert-butyl Ether
Concen: 21.244 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tot Ion	73	Resp	164632
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

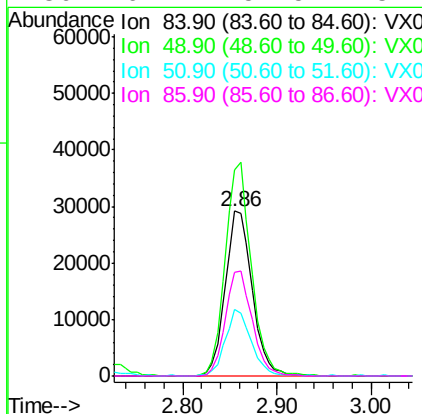
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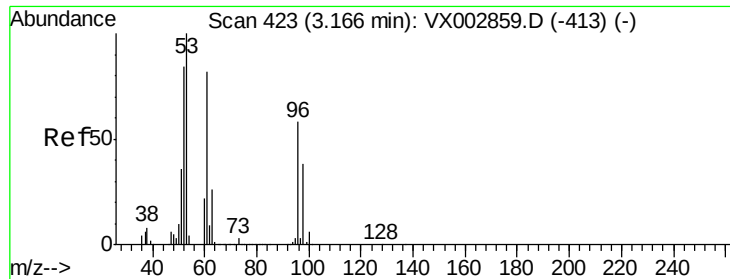
MMDadoda
7/9/2018 12:56:55 PM



#20
Methylene Chloride
Concen: 23.811 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	84	Resp	57972
Ion Ratio	100	Lower	Upper
84	100		
49	125.2	107.8	161.6
51	40.1	32.8	49.2
86	62.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.924 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

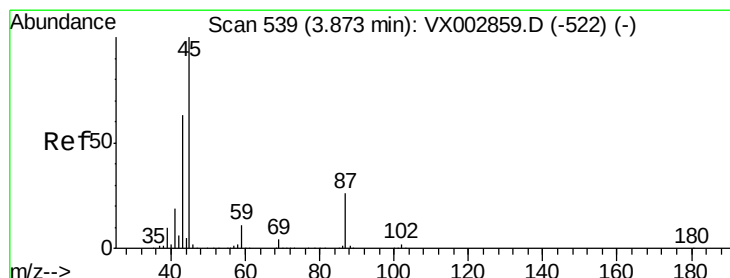
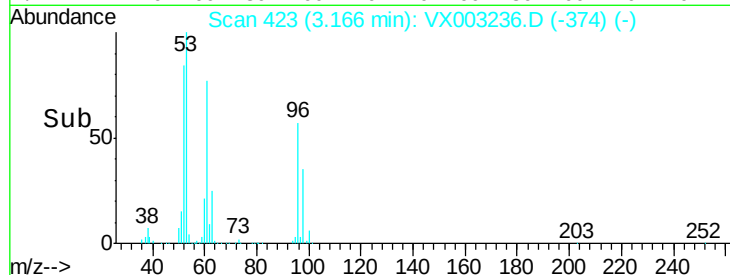
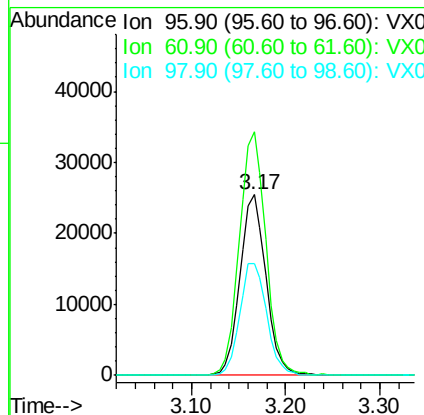
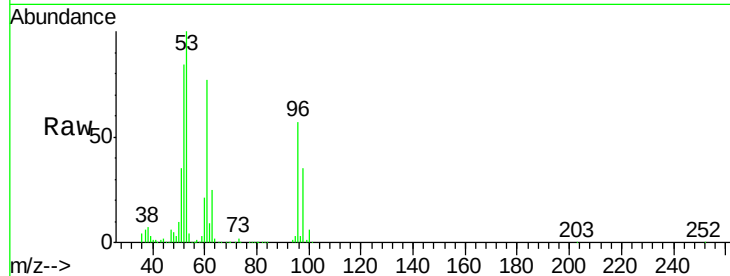
ClientSampleId :

VX0706WBSD01

Tot Ion:	96	Resp:	49127
Ion	Ratio	Lower	Upper
96	100		
61	135.1	117.0	175.4
98	61.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.462 ug/l

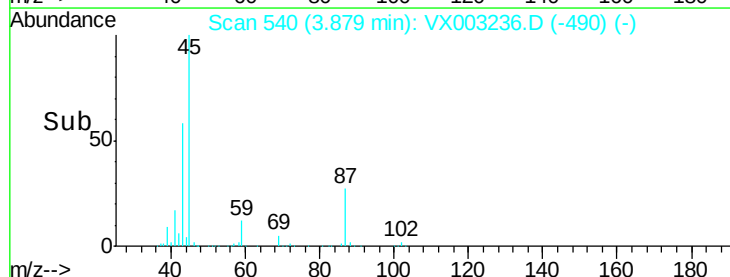
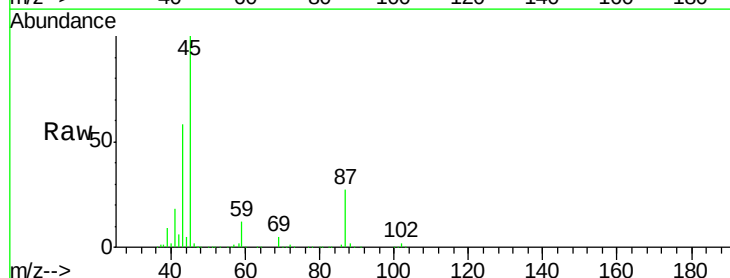
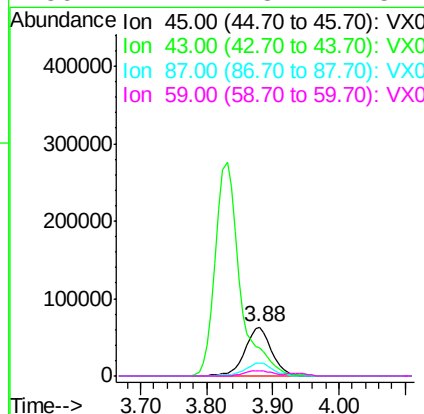
RT: 3.88 min Scan# 540

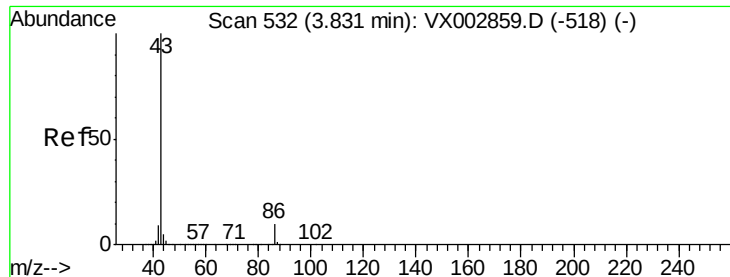
Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	45	Resp:	174325
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.8	70.2
87	26.7	20.2	30.4
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 104.640 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 43 Resp: 719692

Ion Ratio Lower Upper

43 100

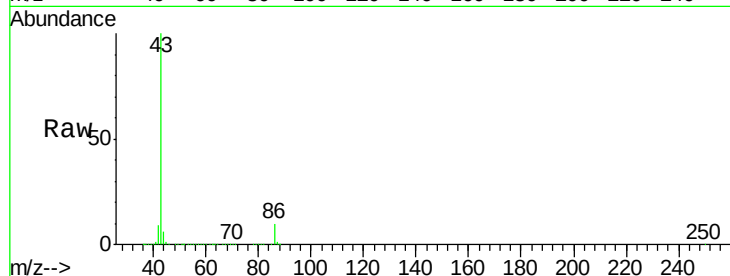
86 9.6 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

250000

200000

150000

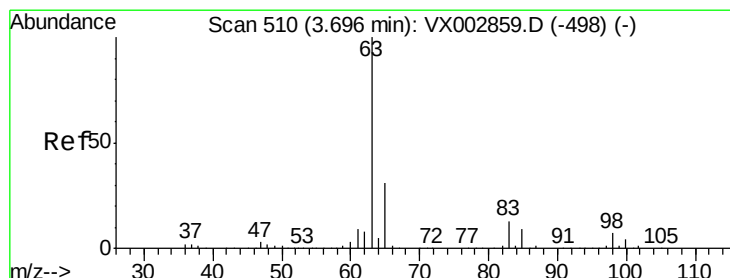
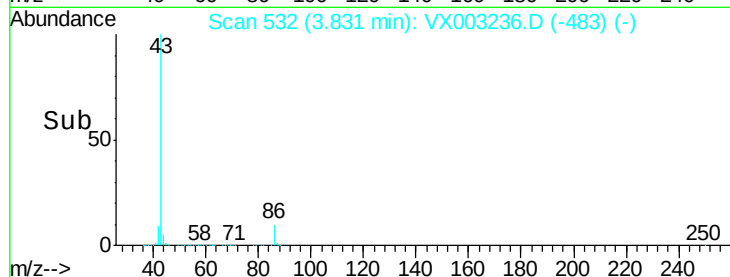
100000

50000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 21.248 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

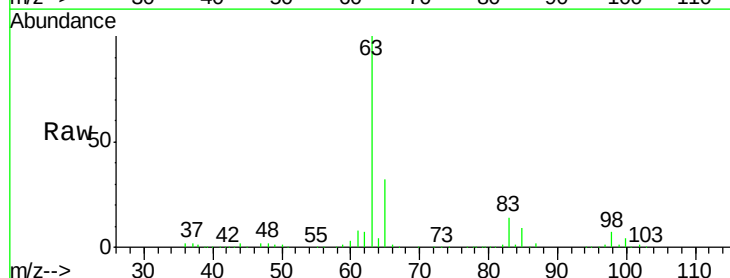
Tgt Ion: 63 Resp: 93804

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

30000

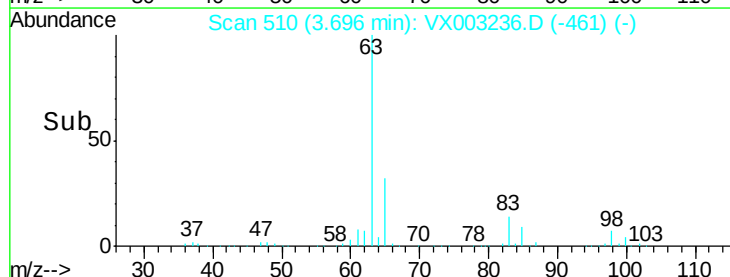
20000

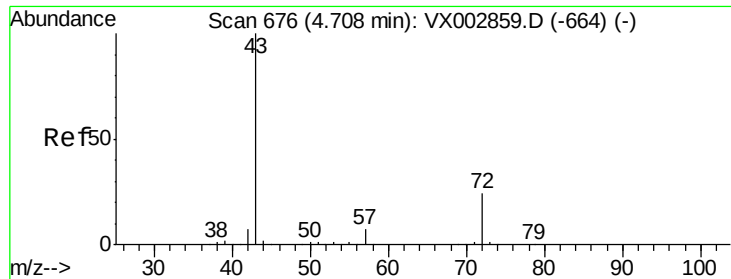
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 116.238 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 43 Resp: 215831

Ion Ratio Lower Upper

43 100

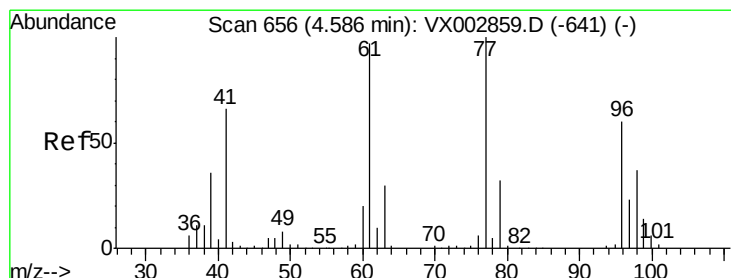
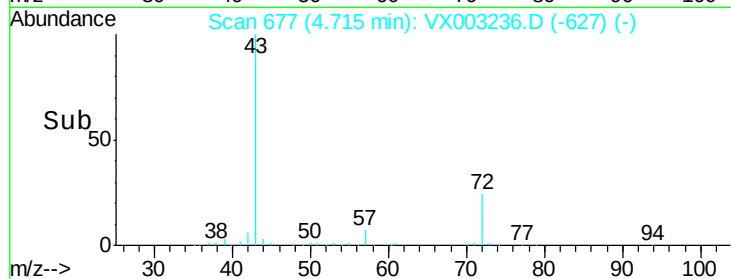
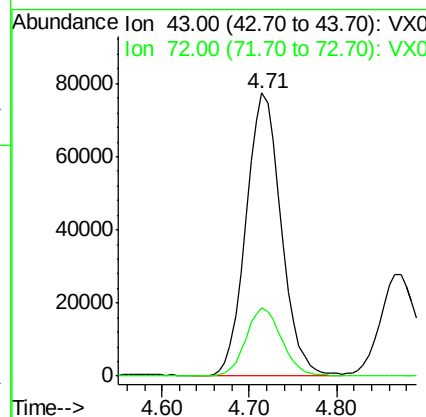
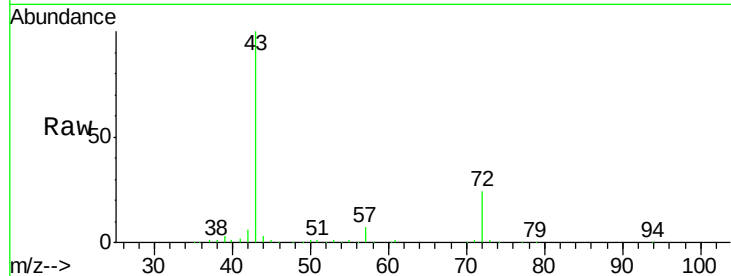
72 24.0 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:56:55 PM



#26

2,2-Dichloropropane

Concen: 15.356 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003236.D

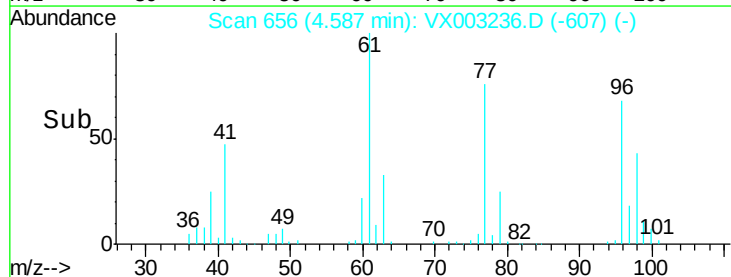
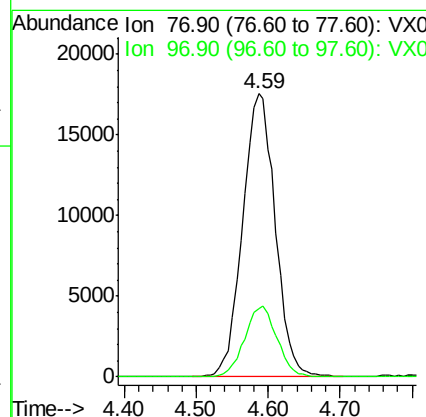
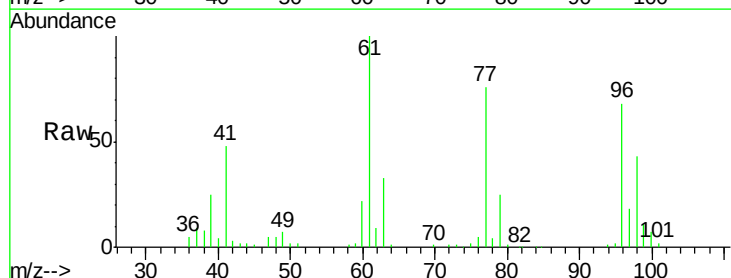
Acq: 07 Jul 2018 02:00

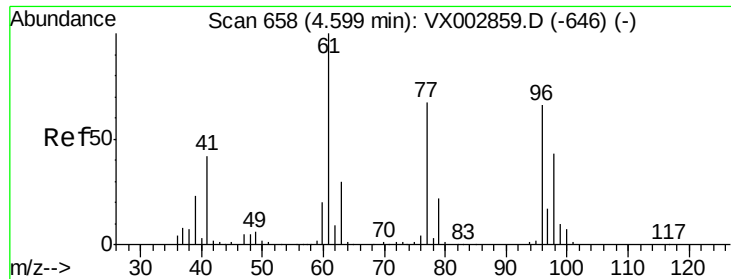
Tgt Ion: 77 Resp: 55123

Ion Ratio Lower Upper

77 100

97 24.8 11.2 33.5





#27

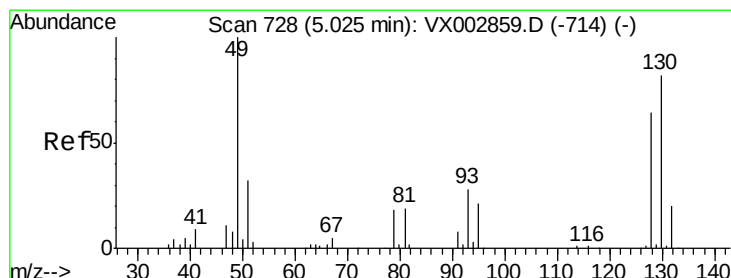
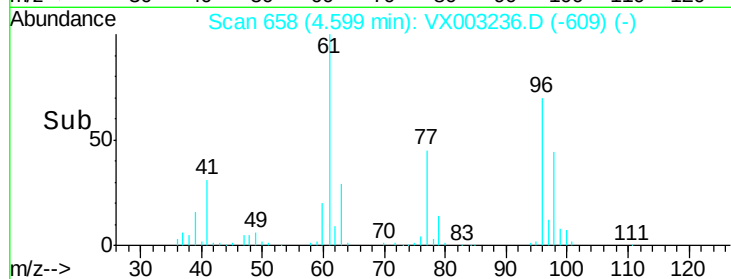
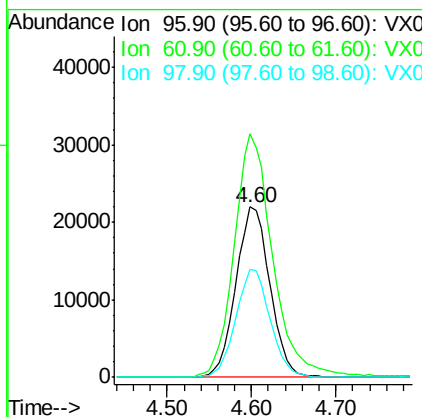
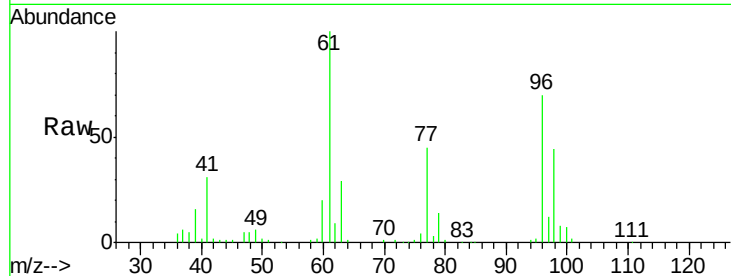
cis-1,2-Dichloroethene
Concen: 22.793 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	330.2
98	64.1	0.0	130.2

Manual Integrations
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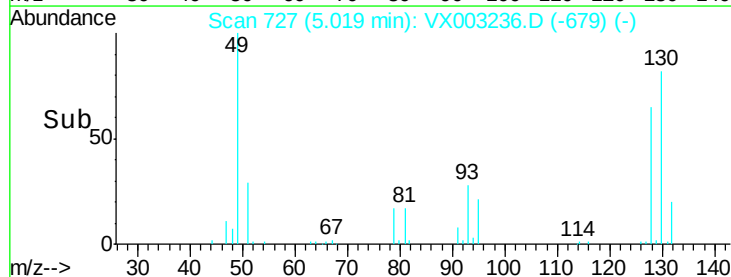
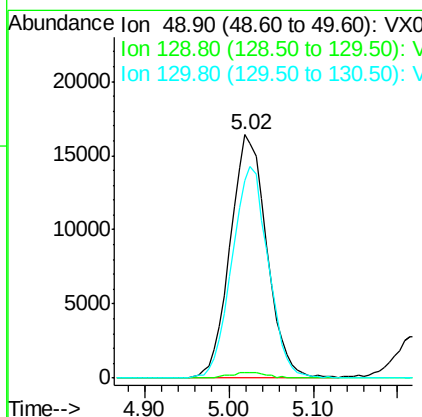
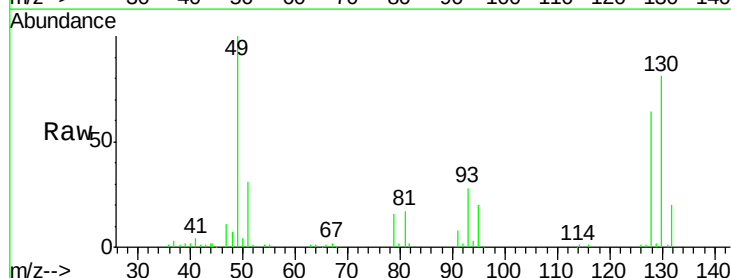
MMDadoda
7/9/2018 12:56:55 PM

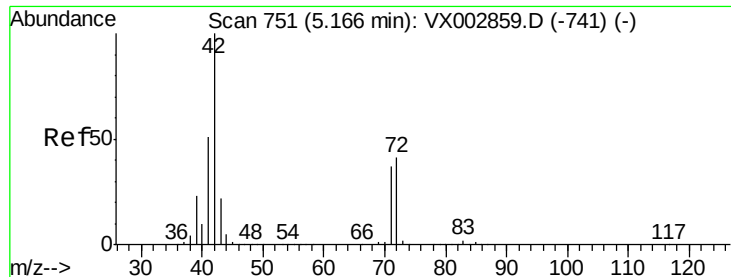


#28

Bromochloromethane
Concen: 22.933 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.6	61.2	91.8





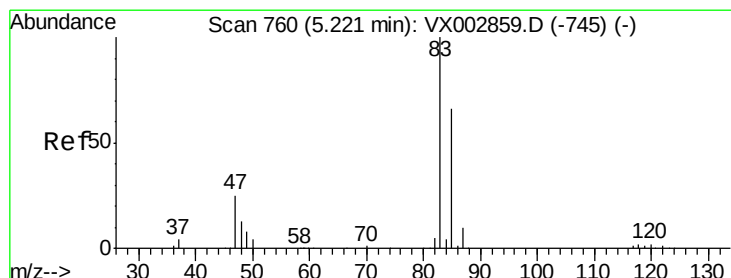
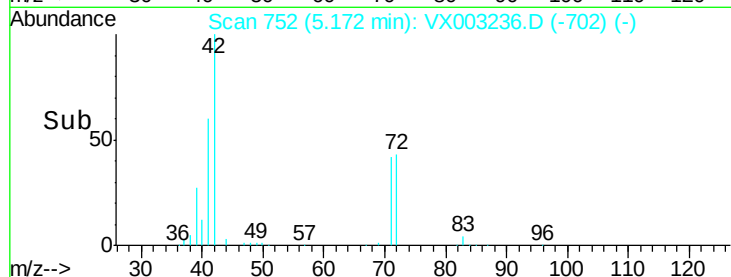
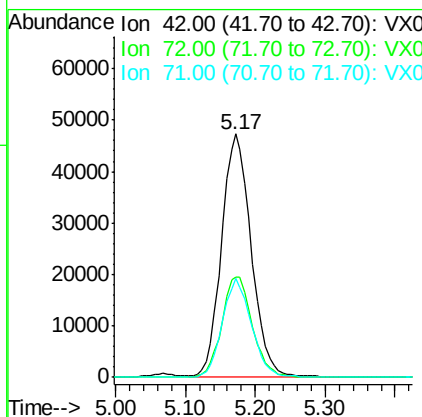
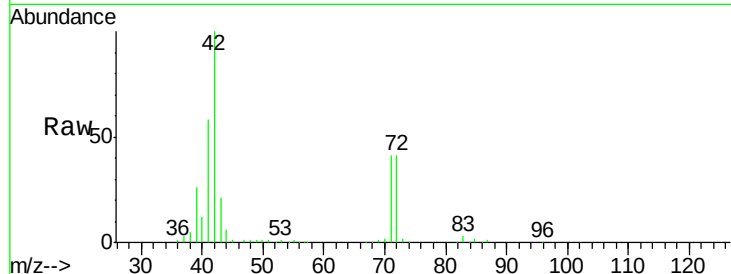
#29
Tetrahydrofuran
Concen: 116.358 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.0	48.0
71	40.0	30.1	45.1

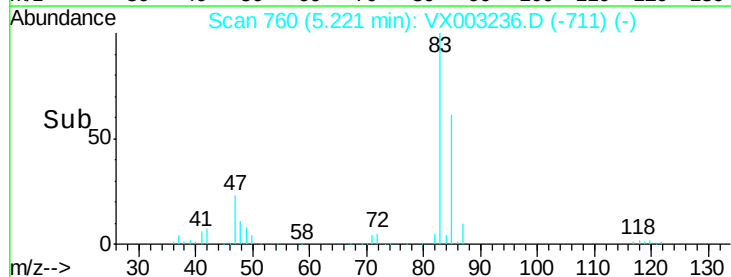
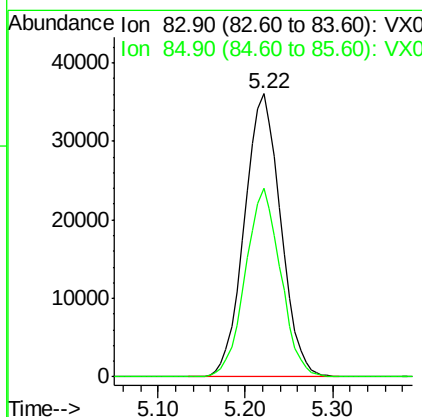
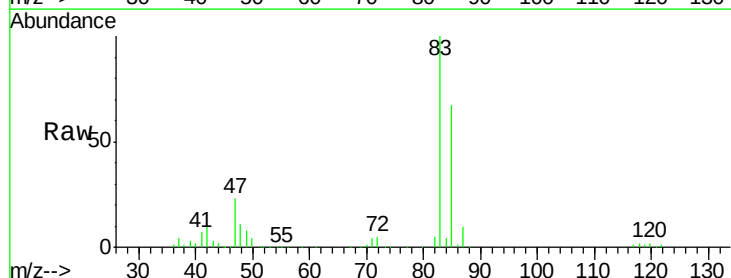
Manual Integrations
APPROVED

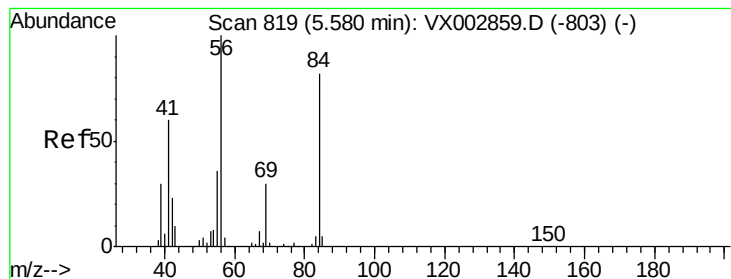
MMDadoda
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#30
Chloroform
Concen: 23.043 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.4	75.6





#31

Cyclohexane

Concen: 21.416 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

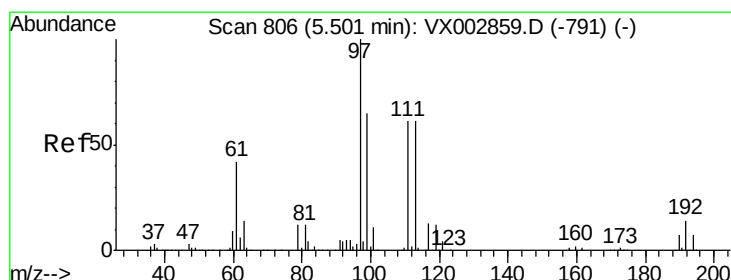
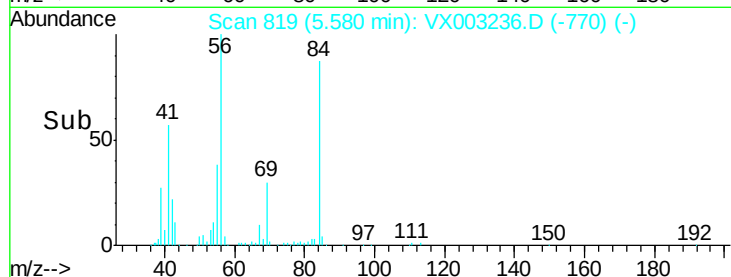
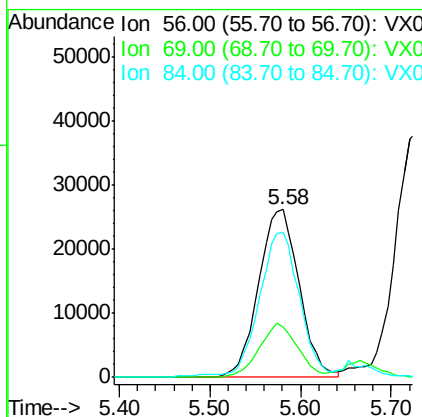
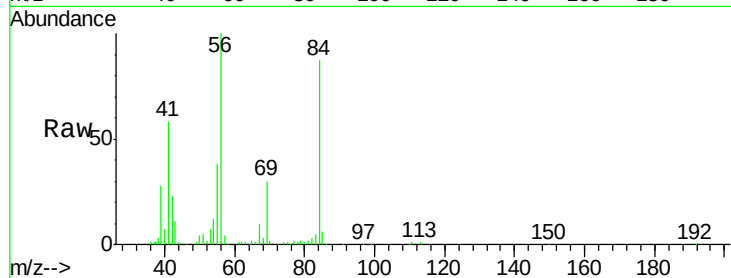
ClientSampleId :

VX0706WBSD01

Tot Ion:	56	Resp:	81139
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	85.3	64.1	96.1

Manual Integrations
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7/9/2018 12:56:55 PM



#32

1,1,1-Trichloroethane

Concen: 22.413 ug/l

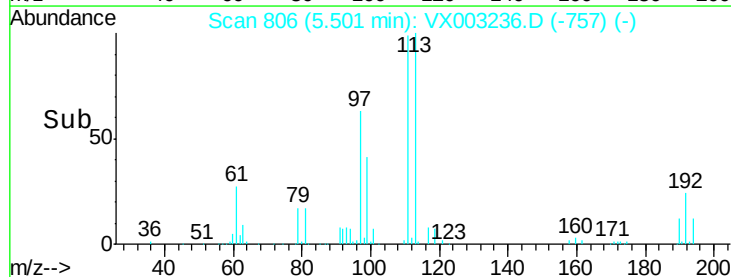
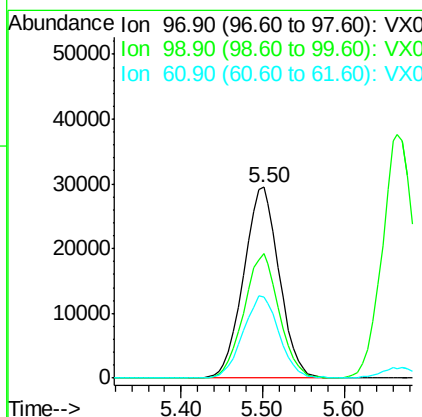
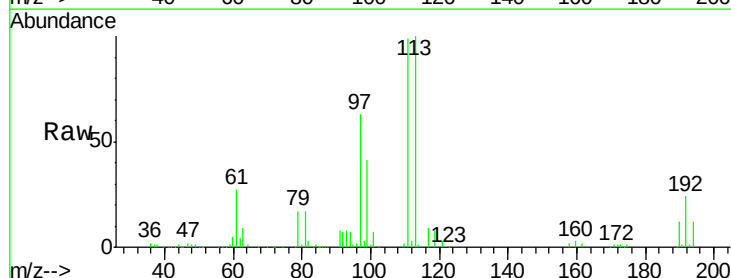
RT: 5.50 min Scan# 806

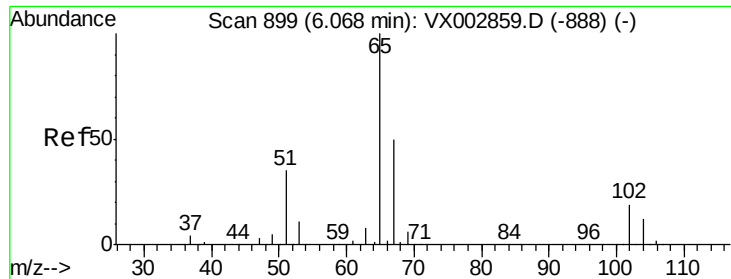
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	97	Resp:	89341
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	43.7	36.4	54.6





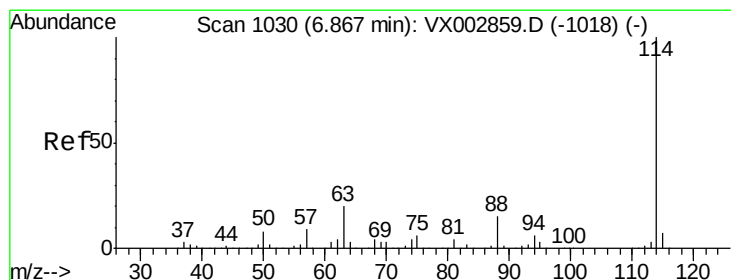
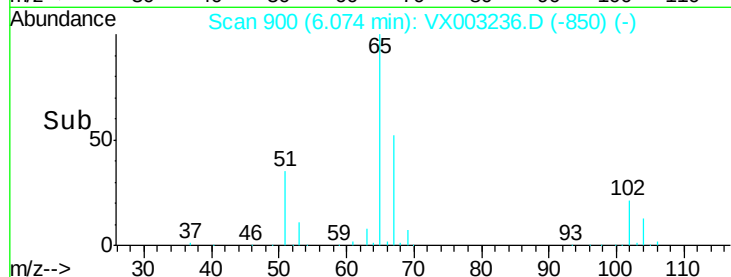
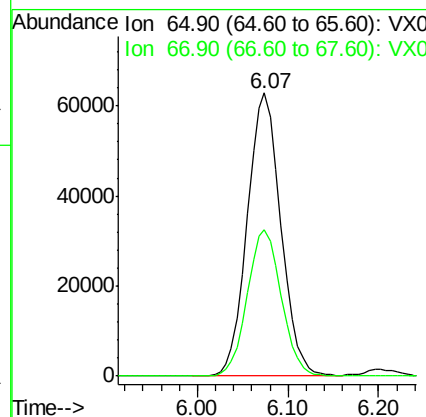
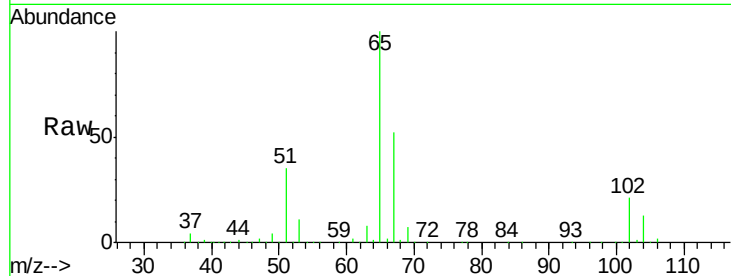
#33
 1,2-Dichloroethane-d4
 Concen: 53.371 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.6

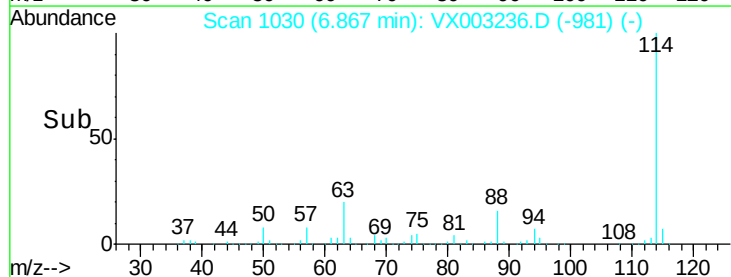
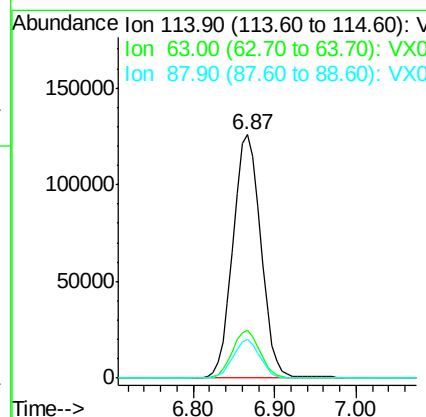
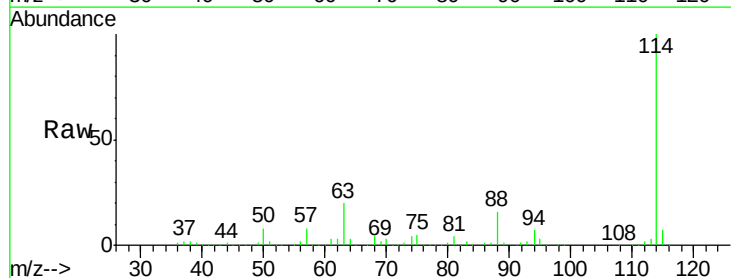
Manual Integrations
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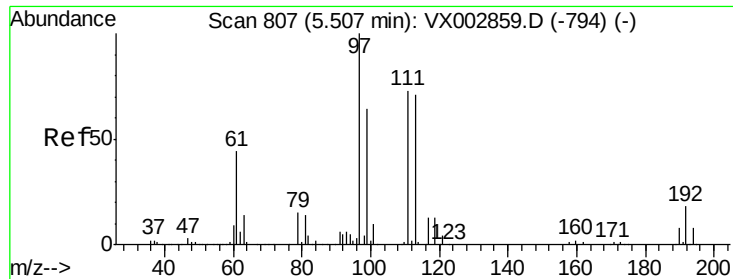
MMDadoda
 7/9/2018 12:56:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.4
88	16.0	0.0	30.0





#35

Dibromofluoromethane

Concen: 58.810 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

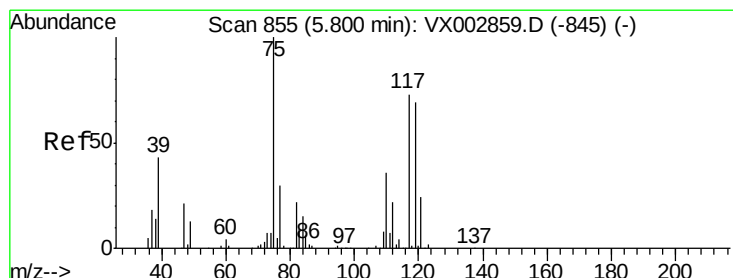
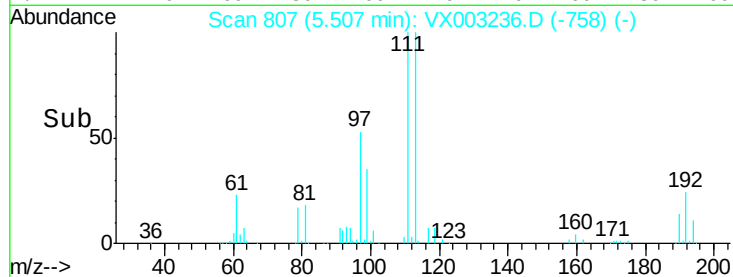
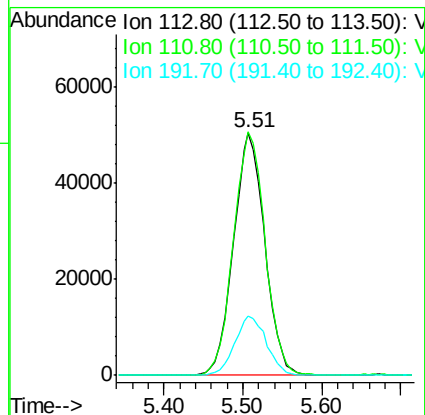
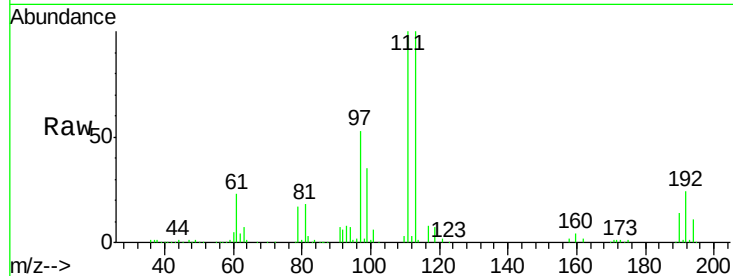
ClientSampleId :

VX0706WBSD01

Tot Ion:	113	Resp:	138612
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	24.9	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.623 ug/l

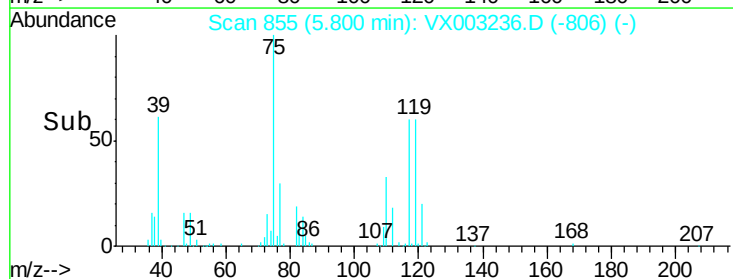
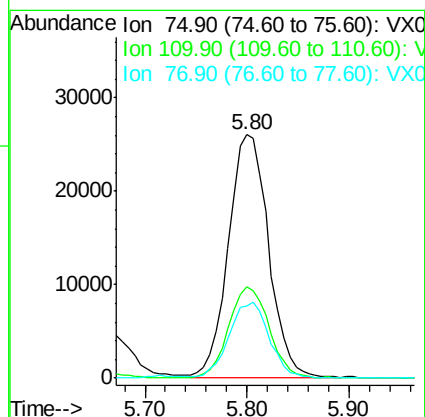
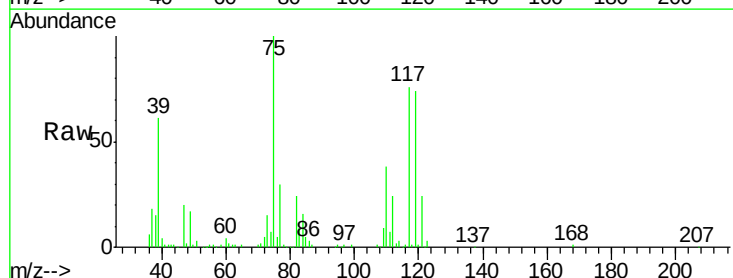
RT: 5.80 min Scan# 855

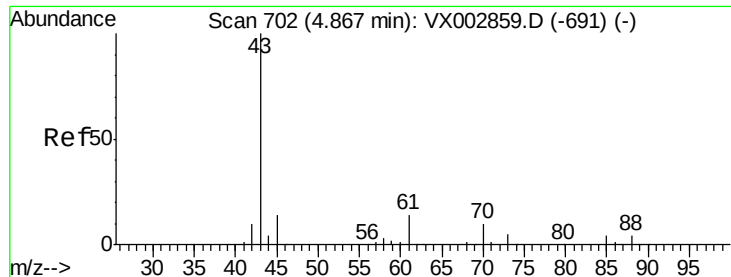
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	75	Resp:	70576
Ion Ratio	Lower	Upper	
75	100		
110	38.1	18.1	54.4
77	30.5	24.3	36.5





#37

Ethyl Acetate

Concen: 23.515 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

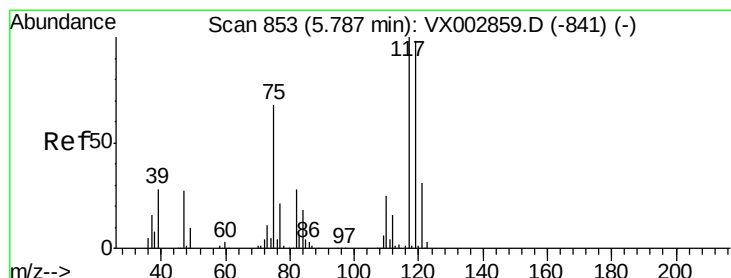
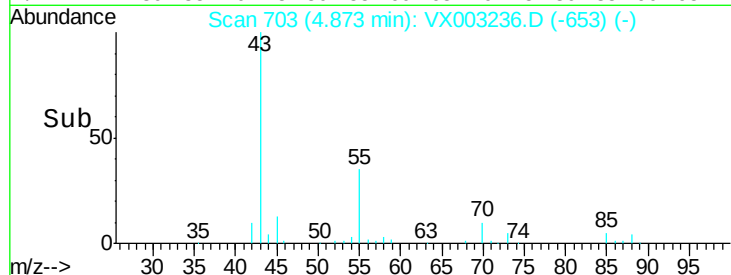
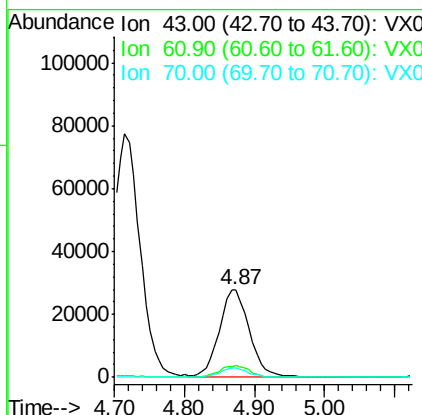
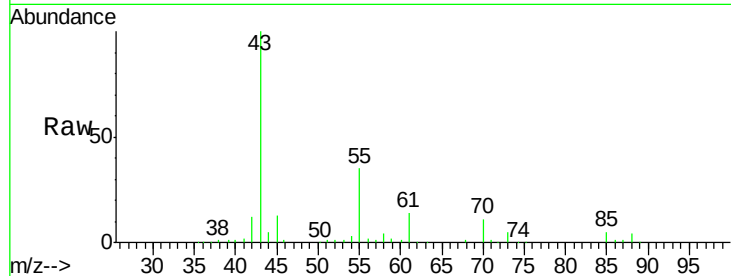
ClientSampled :

VX0706WBSD01

Tot Ion:	43	Resp:	82637
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	10.5	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.397 ug/l

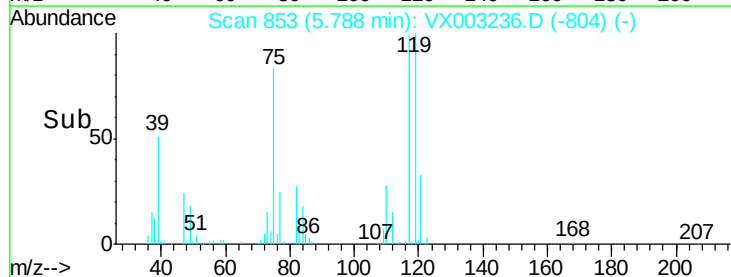
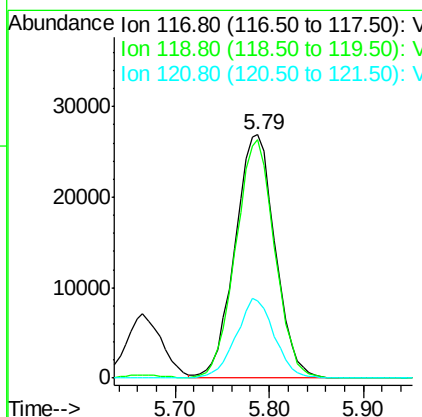
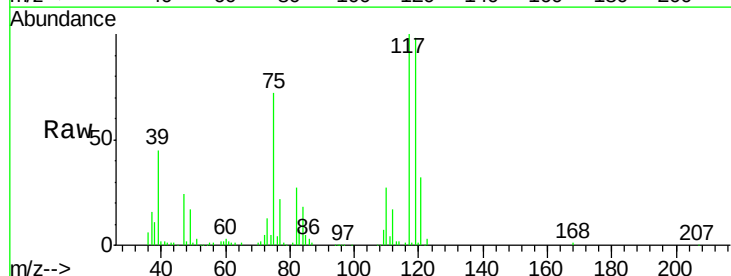
RT: 5.79 min Scan# 853

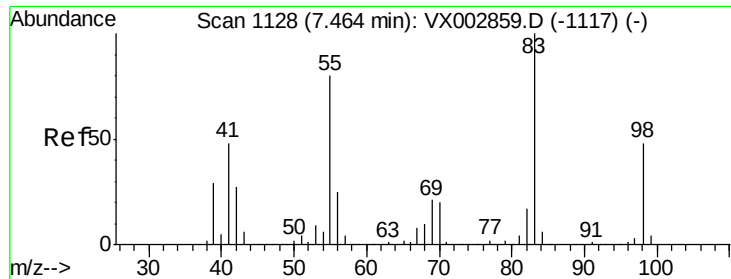
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	117	Resp:	80219
Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.4	116.0
121	31.9	24.4	36.6





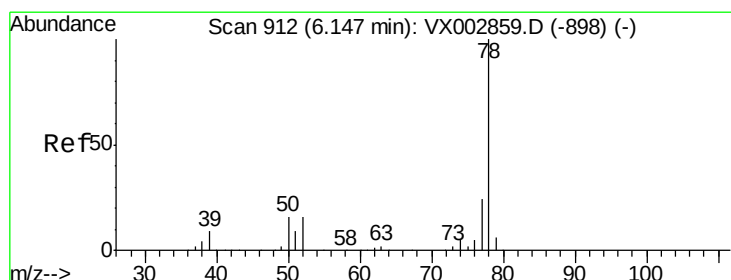
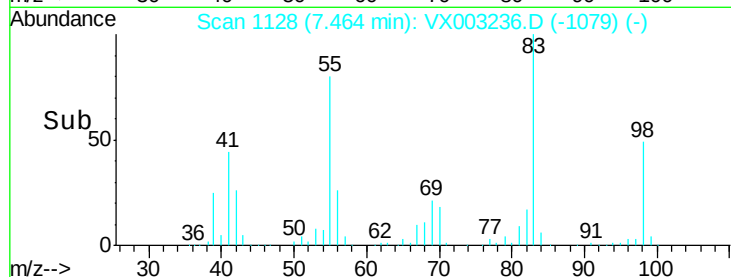
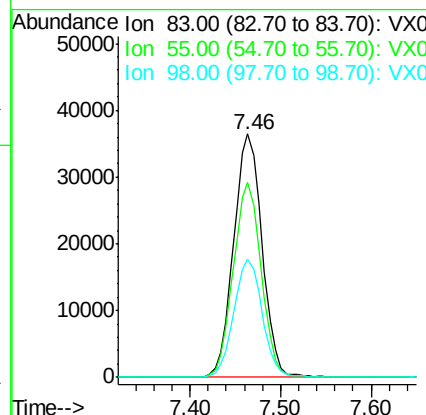
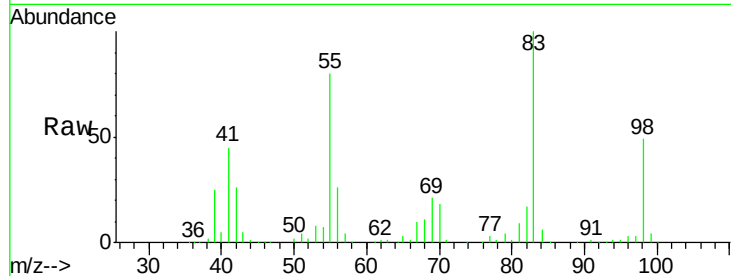
#39
Methylvlcyclohexane
Concen: 20.868 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	65.4	98.0
98	48.8	37.4	56.0

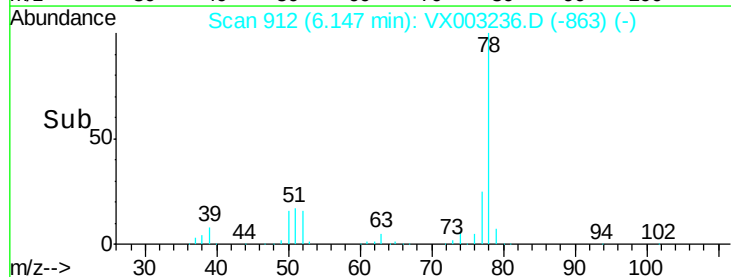
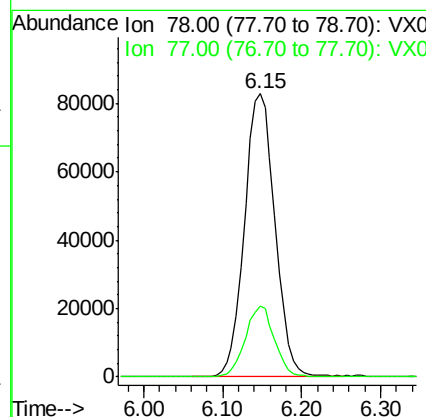
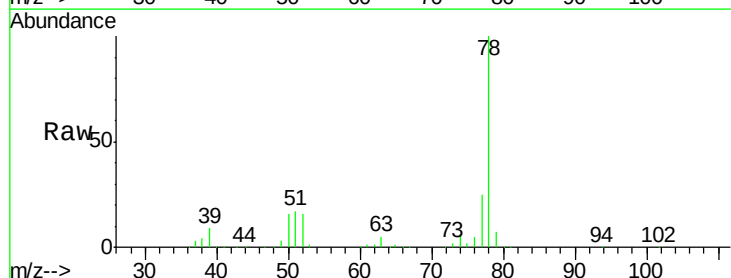
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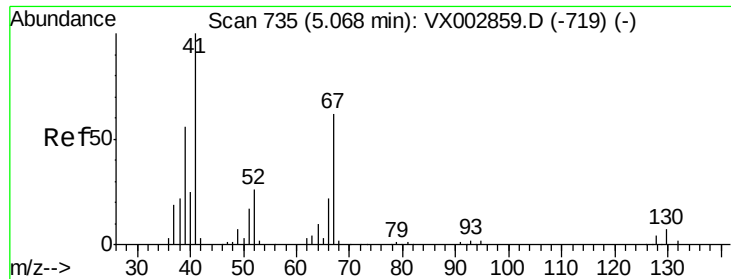
MMDadoda
7/9/2018 12:56:55 PM



#40
Benzene
Concen: 23.519 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.1	28.7





#41

Methacrylonitrile

Concen: 23.090 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

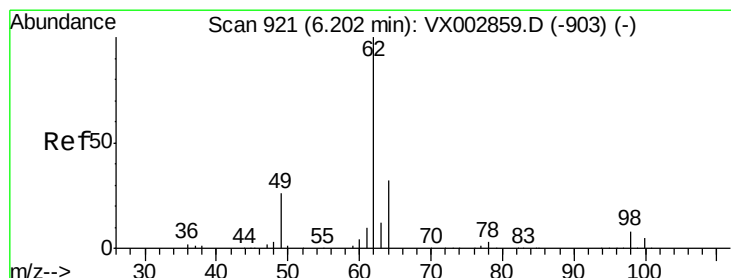
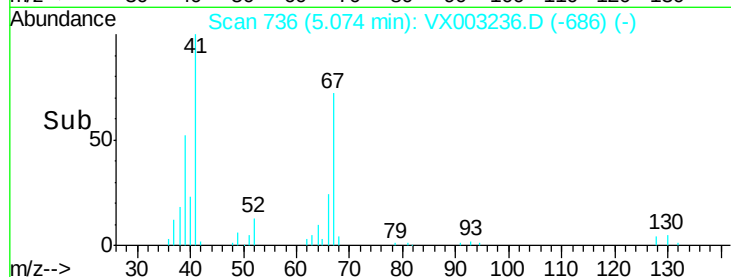
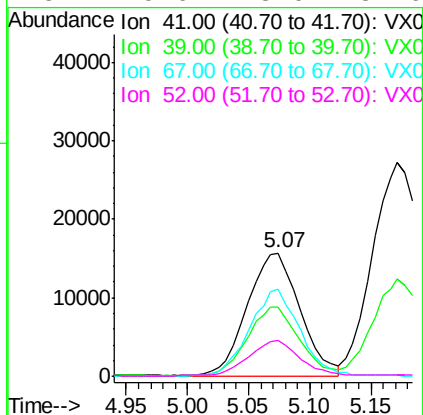
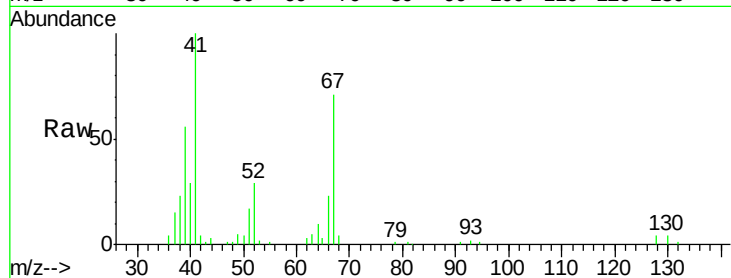
ClientSampleId :

VX0706WBSD01

Tot Ion:	41	Resp:	46727
Ion	Ratio	Lower	Upper
41	100		
39	54.6	45.8	68.6
67	68.0	51.3	76.9
52	29.6	23.0	34.6

Manual Integrations
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MMDadoda
7/9/2018 12:56:55 PM



#42

1,2-Dichloroethane

Concen: 21.952 ug/l

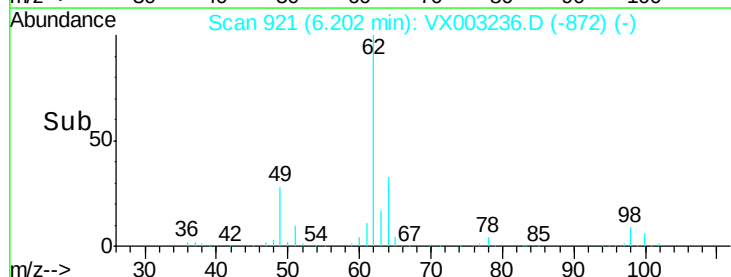
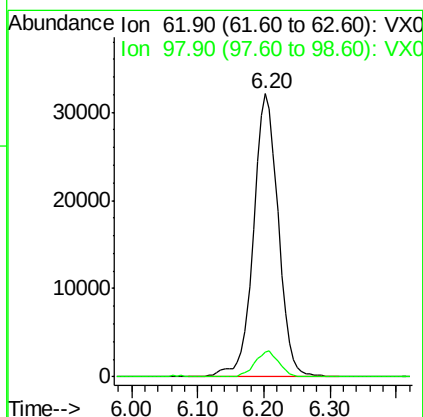
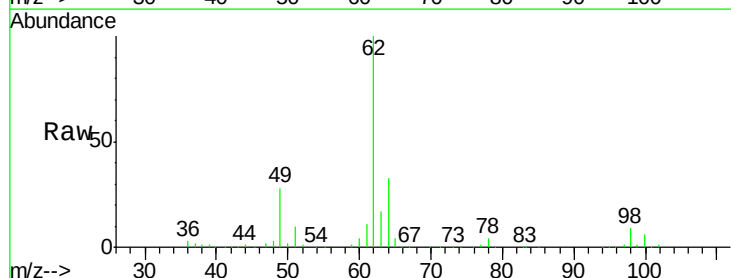
RT: 6.20 min Scan# 921

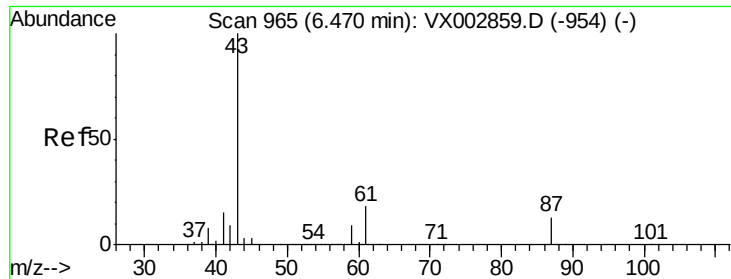
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	62	Resp:	84093
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

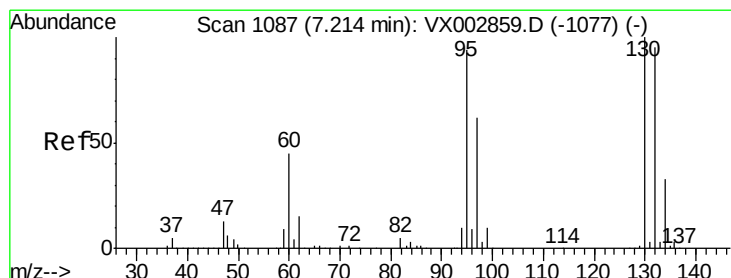
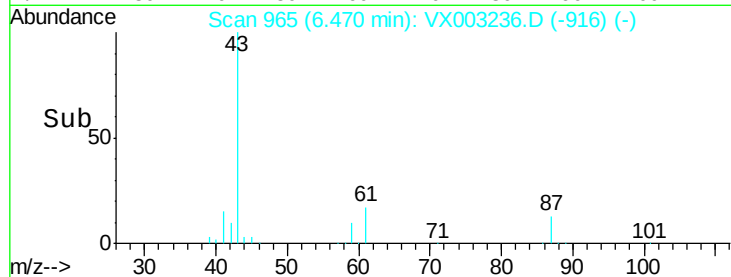
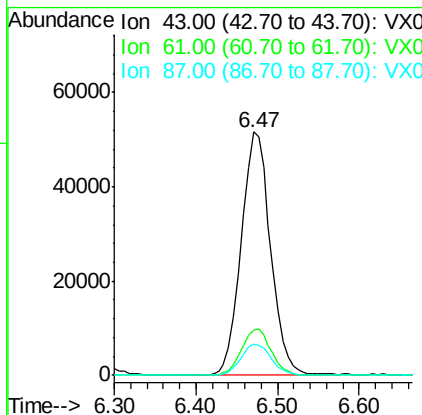
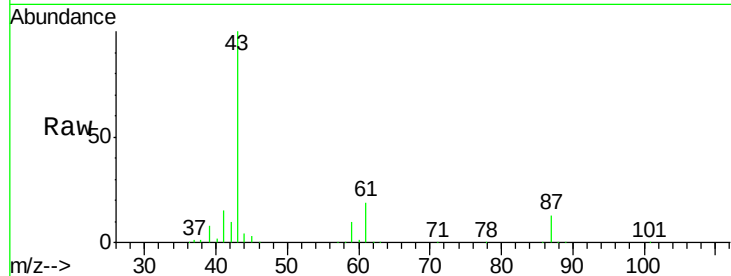
Isopropyl Acetate
 Concen: 21.923 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBSD01

Tot Ion:	43	Resp:	129211
Ion Ratio	Lower	Upper	
43	100		
61	19.4	14.4	21.6
87	13.2	9.5	14.3

Manual Integrations
 APPROVED

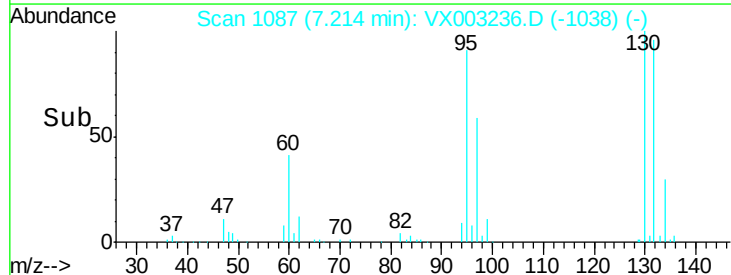
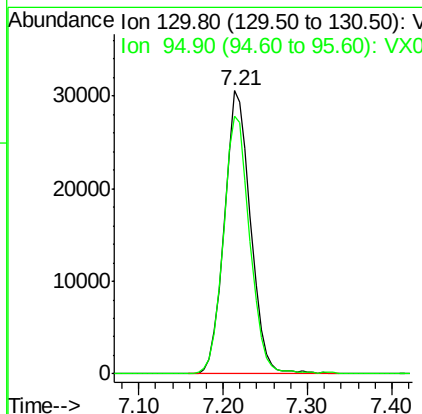
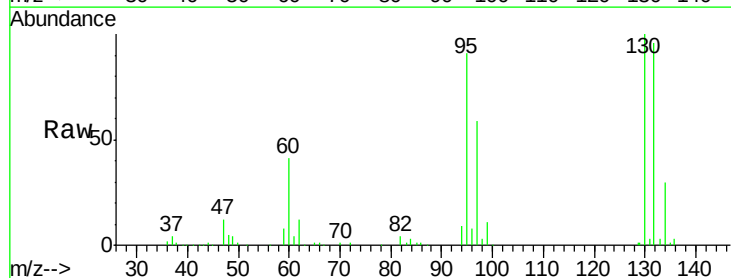
MMDadoda
 7/9/2018 12:56:55 PM

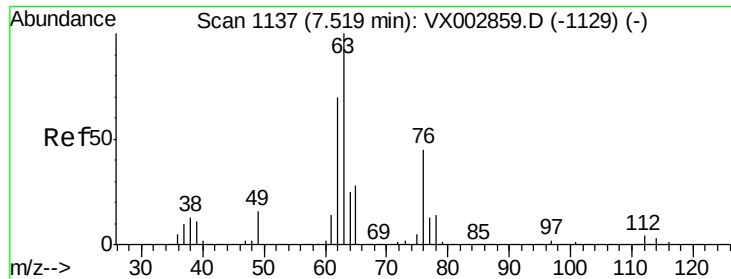


#44

Trichloroethene
 Concen: 23.028 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion:	130	Resp:	65111
Ion Ratio	Lower	Upper	
130	100		
95	91.2	0.0	185.4





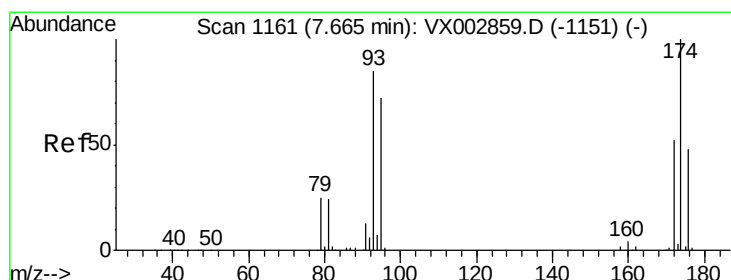
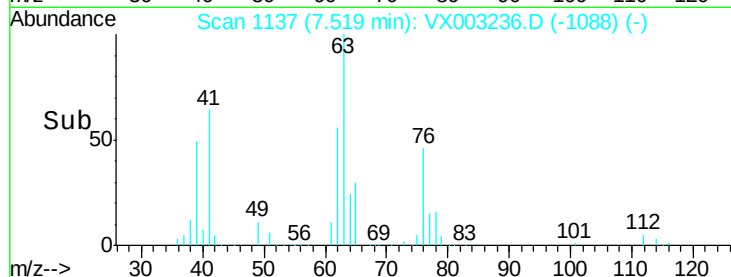
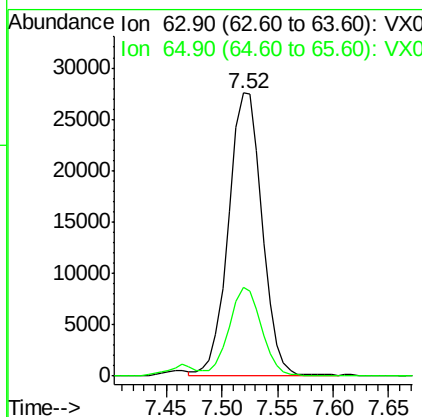
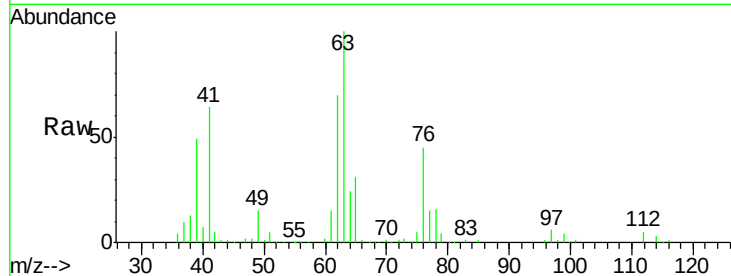
#45
 1,2-Dichloropropane
 Concen: 22.884 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion: 63 Resp: 57568
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

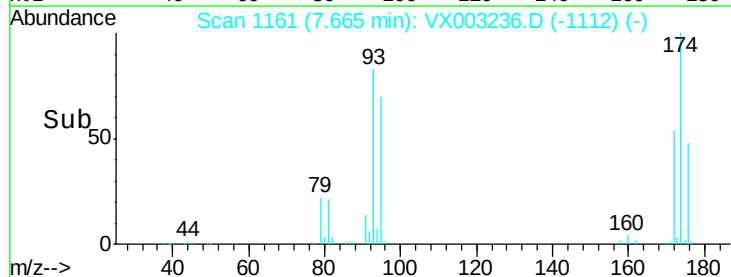
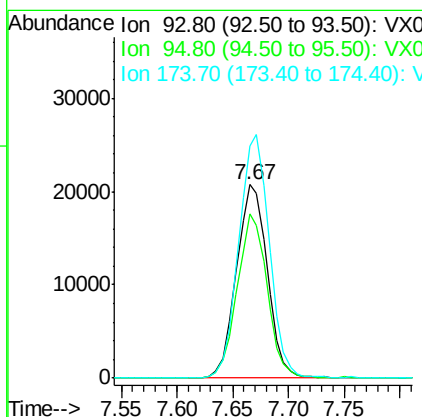
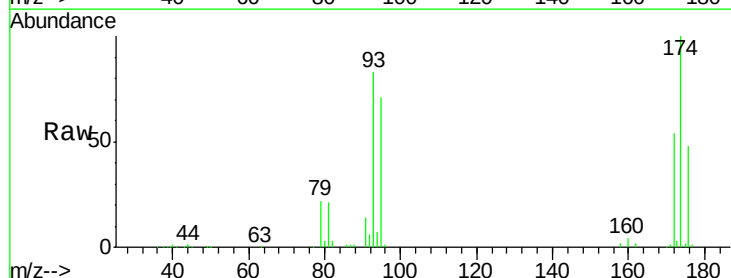
Manual Integrations
 APPROVED

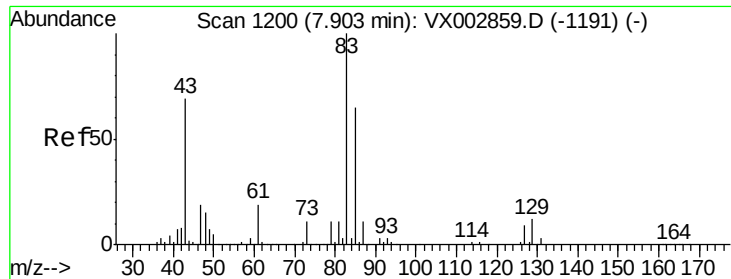
MMDadoda
 7/9/2018 12:56:55 PM



#46
 Dibromomethane
 Concen: 22.815 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 93 Resp: 39830
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 124.9 92.4 138.6





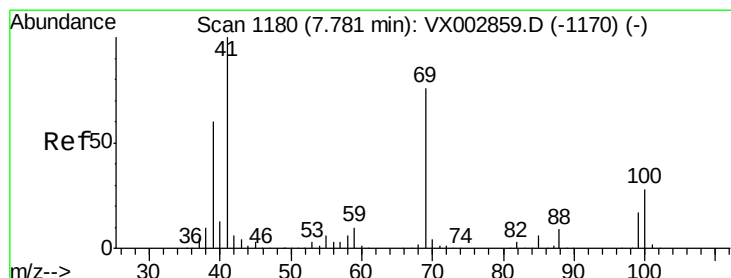
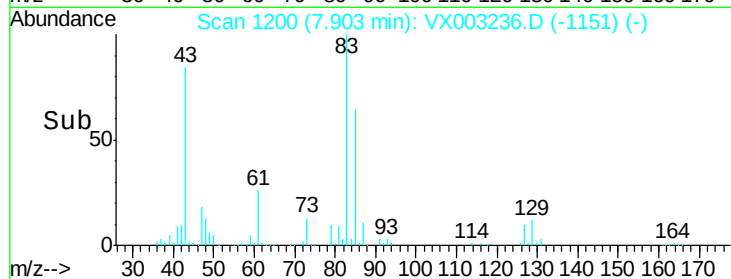
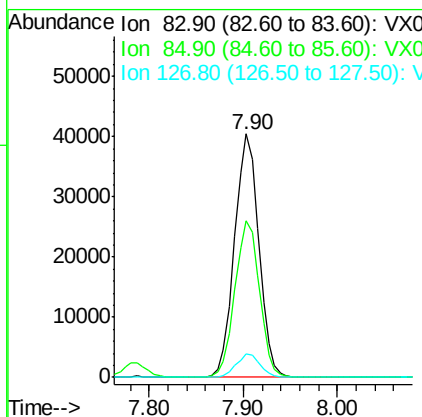
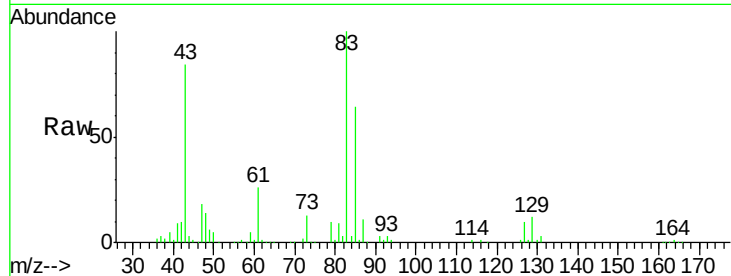
#47
Bromodichloromethane
Concen: 22.559 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion	83	Resp	72808
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	9.8	7.0	10.4

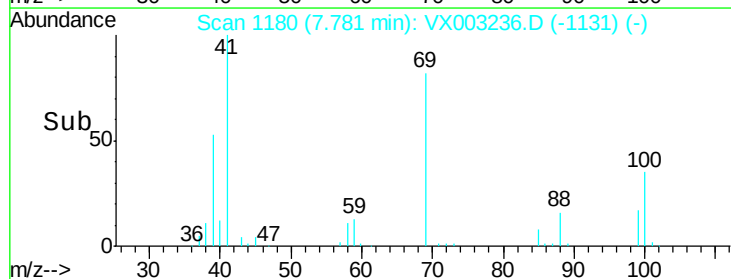
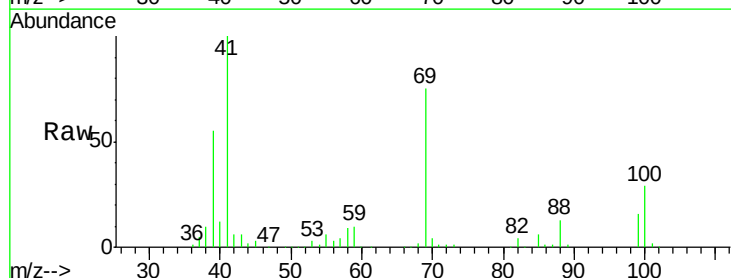
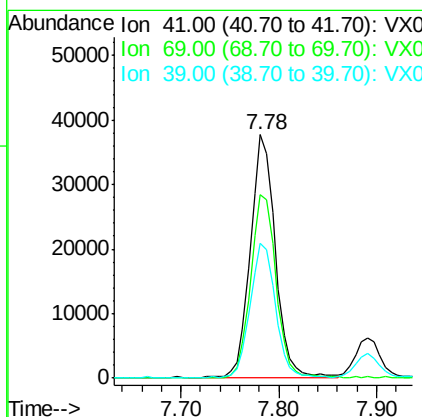
Manual Integrations
APPROVED

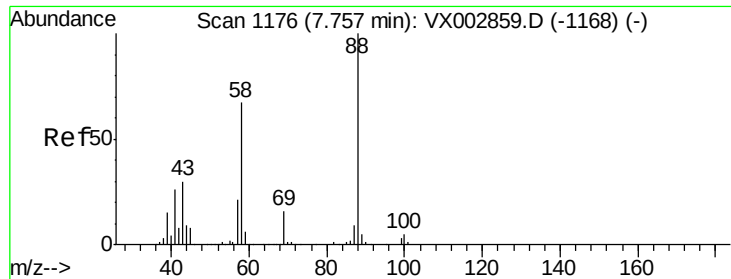
MMDadoda
7/9/2018 12:56:55 PM



#48
Methyl methacrylate
Concen: 21.897 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	41	Resp	66497
Ion Ratio	100	Lower	Upper
41	100		
69	77.9	59.1	88.7
39	57.5	48.9	73.3





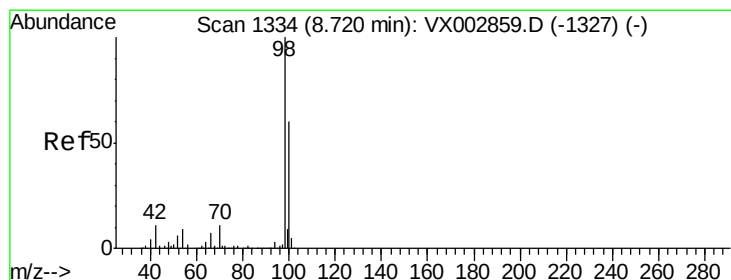
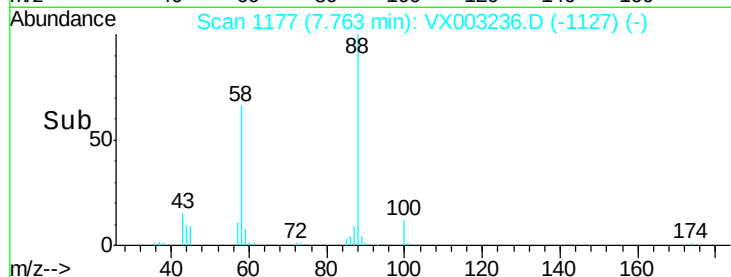
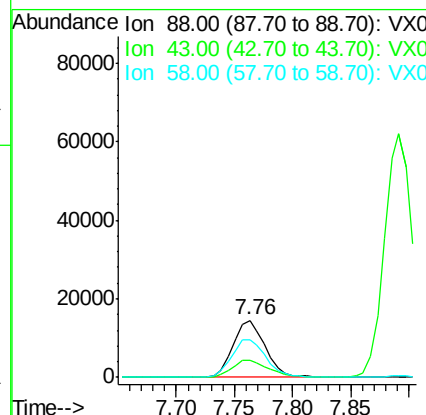
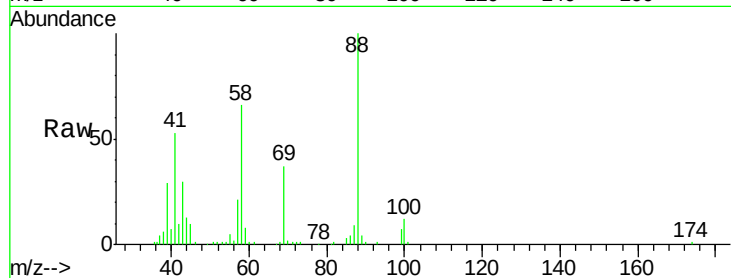
#49
1,4-Dioxane
Concen: 475.610 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.8	44.6
58	71.0	57.1	85.7

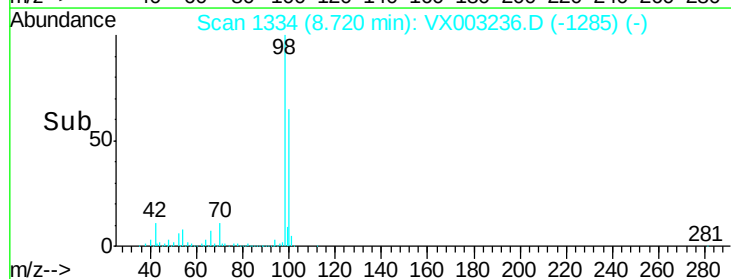
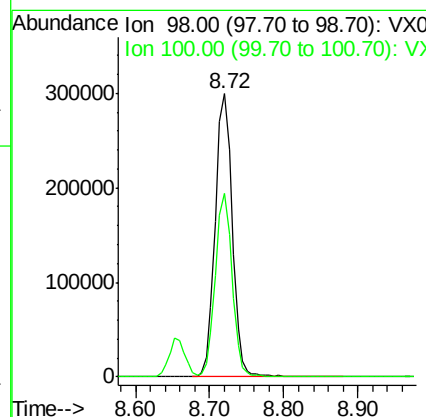
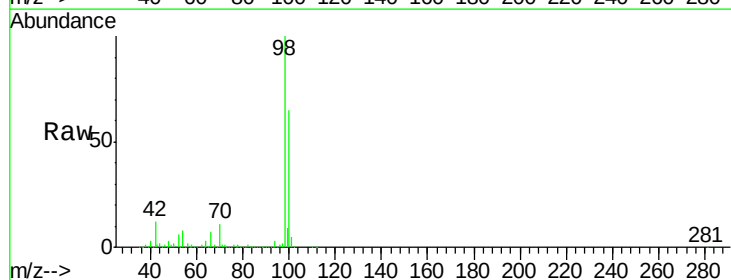
Manual Integrations
APPROVED

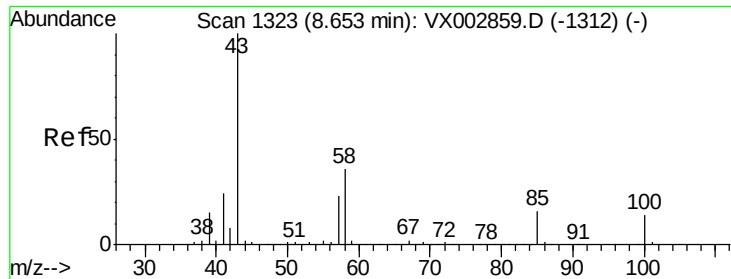
MMDadoda
7/9/2018 12:56:55 PM



#50
Toluene-d8
Concen: 54.946 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 115.253 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 43 Resp: 425000

Ion Ratio Lower Upper

43 100

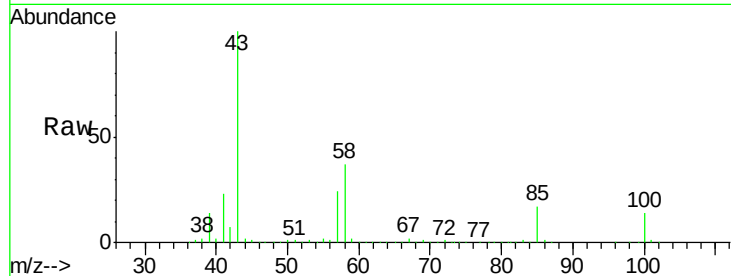
58 37.5 28.6 42.8

Manual Integrations

APPROVED

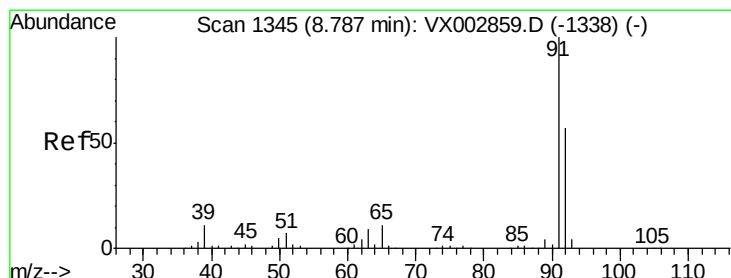
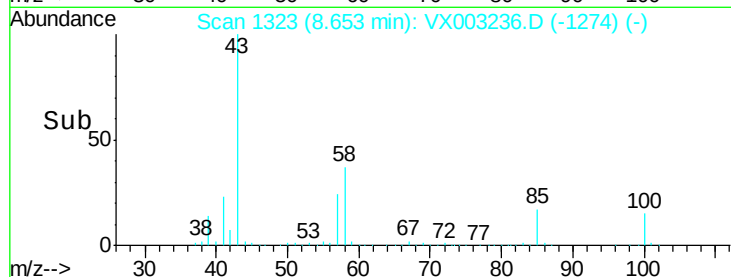
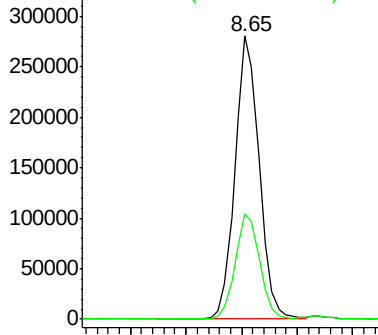
MMDadoda

7/9/2018 12:56:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 23.348 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003236.D

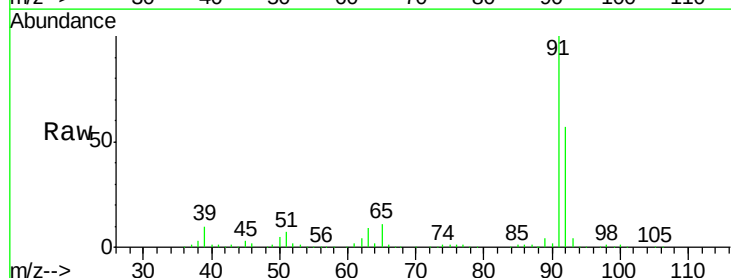
Acq: 07 Jul 2018 02:00

Tgt Ion: 92 Resp: 141847

Ion Ratio Lower Upper

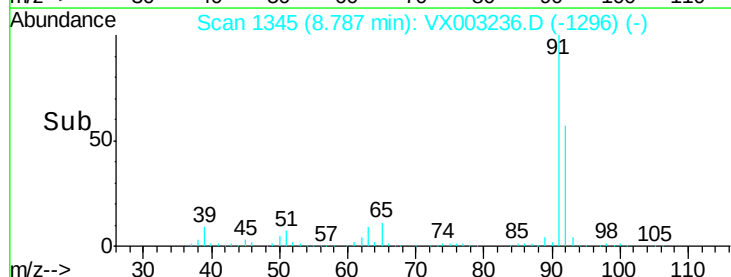
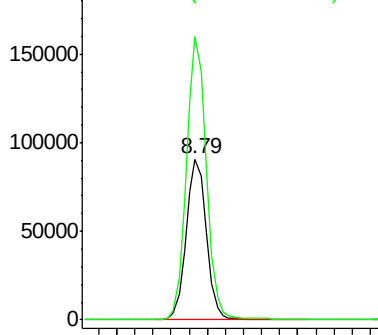
92 100

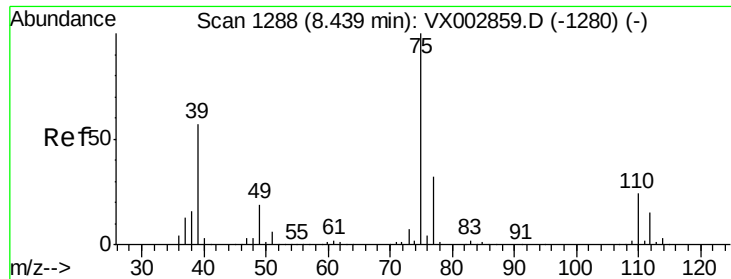
91 173.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





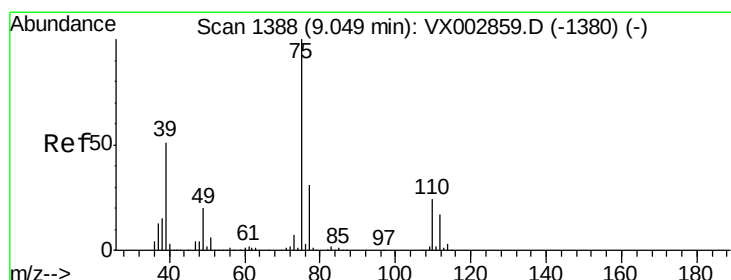
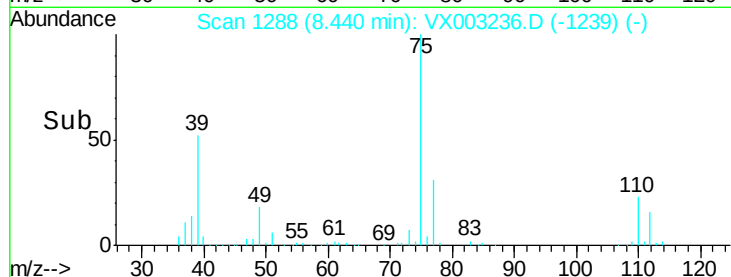
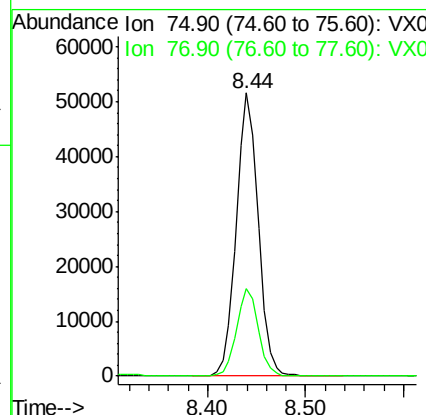
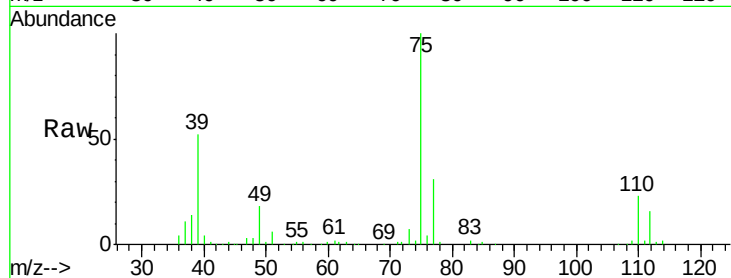
#53
t-1,3-Dichloropropene
Concen: 21.961 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion: 75 Resp: 80270
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

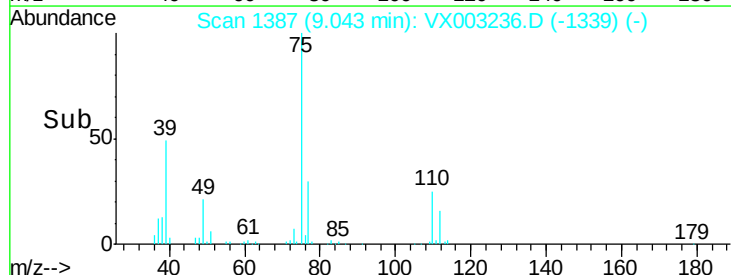
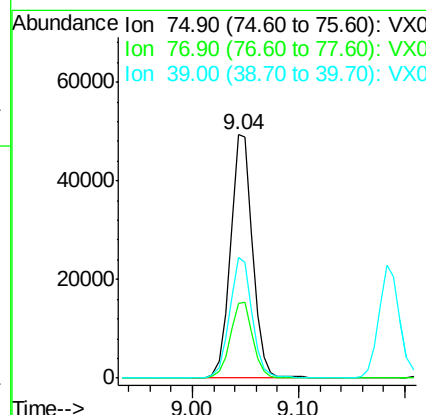
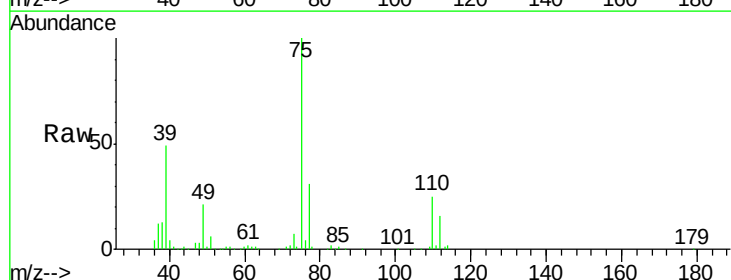
Manual Integrations
APPROVED

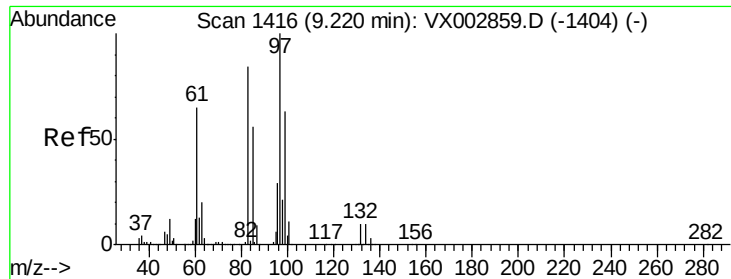
MMDadoda
7/9/2018 12:56:55 PM



#54
cis-1,3-Dichloropropene
Concen: 20.410 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 75 Resp: 71780
Ion Ratio Lower Upper
75 100
77 30.5 24.8 37.2
39 49.1 42.4 63.6





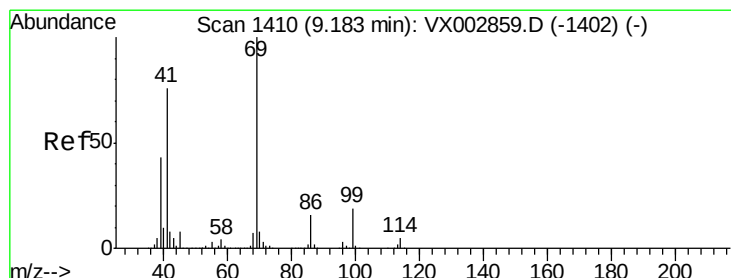
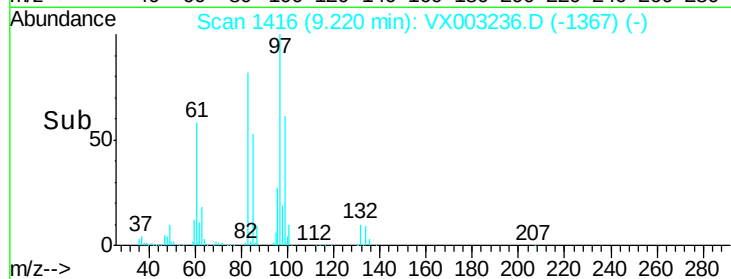
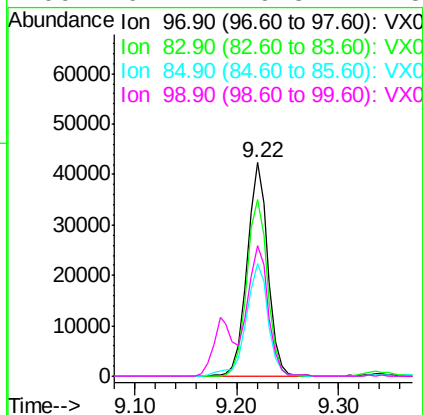
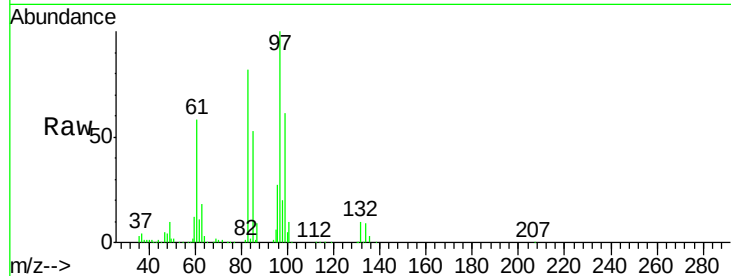
#55
 1,1,2-Trichloroethane
 Concen: 24.060 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion:	97	Resp:	60065
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.2	105.2
85	52.9	44.9	67.3
99	61.1	49.8	74.8

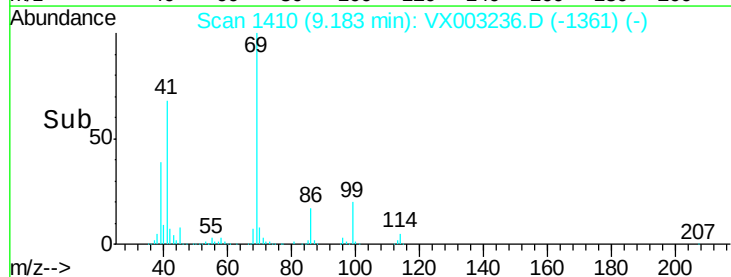
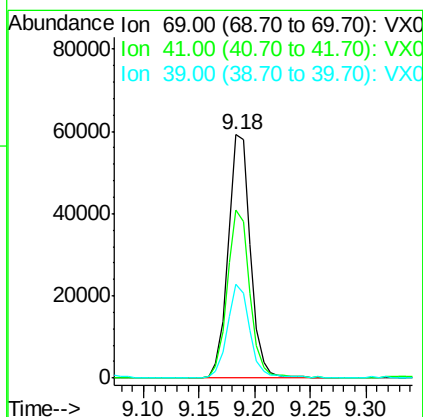
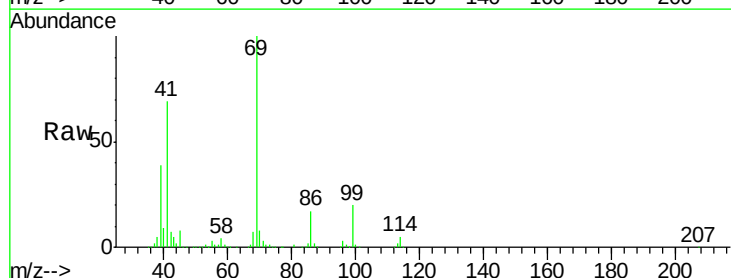
Manual Integrations
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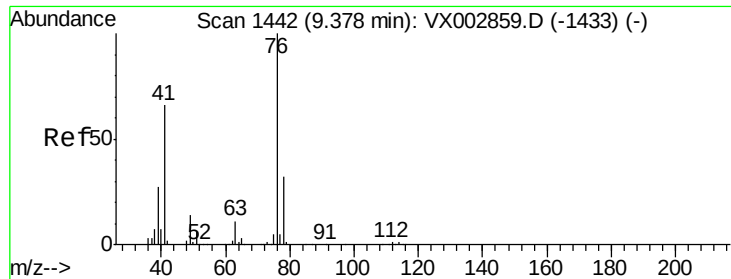
MMDadoda
 7/9/2018 12:56:55 PM



#56
 Ethyl methacrylate
 Concen: 22.526 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion:	69	Resp:	82187
Ion	Ratio	Lower	Upper
69	100		
41	69.2	60.3	90.5
39	38.4	35.8	53.8





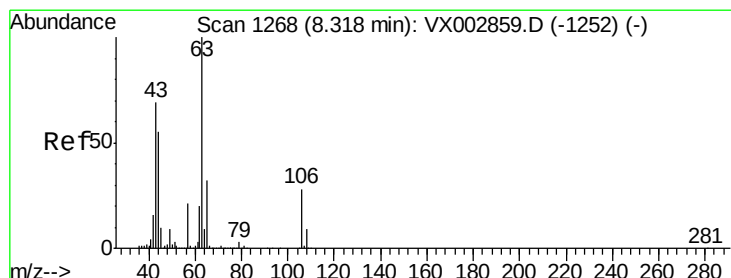
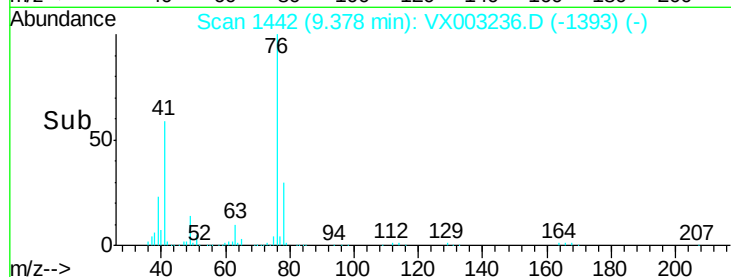
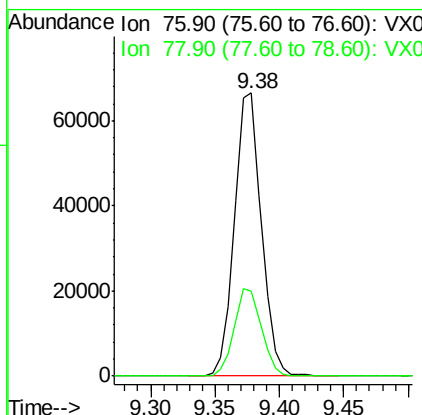
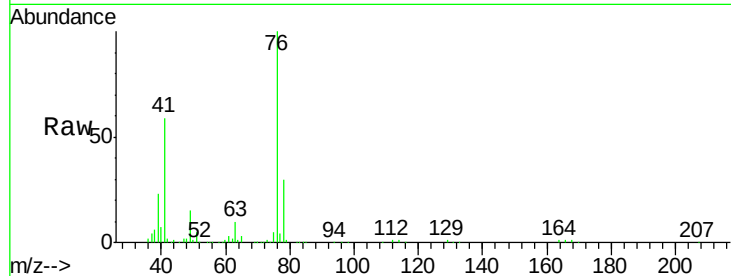
#57
 1,3-Dichloropropane
 Concen: 23.655 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion: 76 Resp: 96992
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

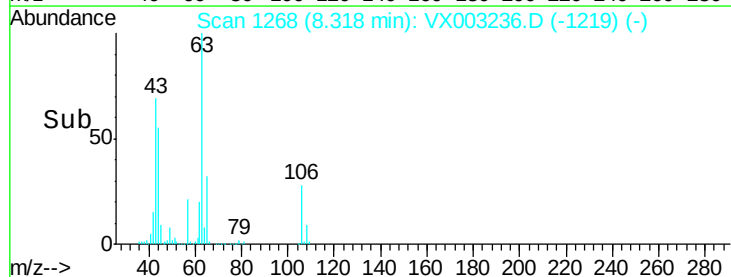
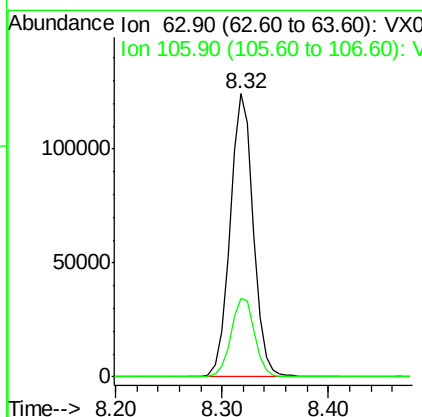
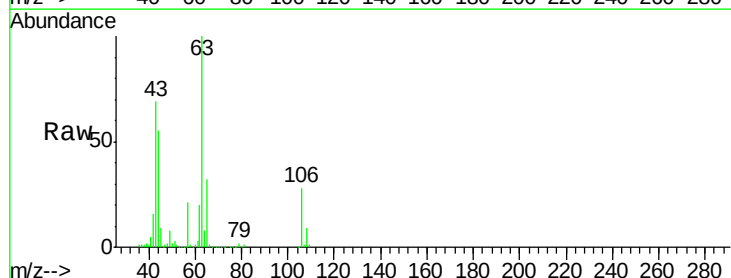
Manual Integrations
 APPROVED

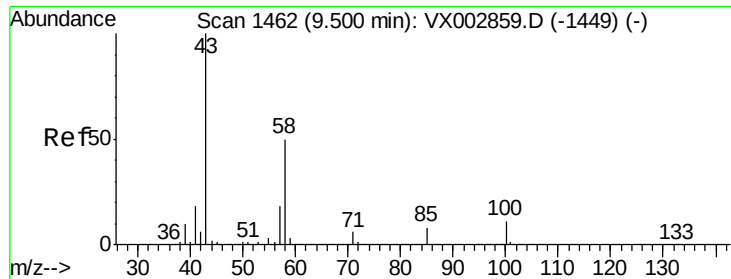
MMDadoda
 7/9/2018 12:56:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.349 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 63 Resp: 188957
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.8 32.8





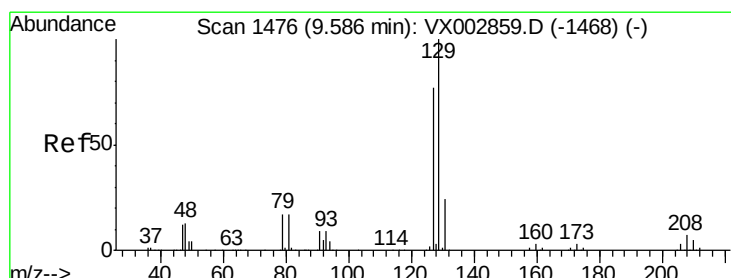
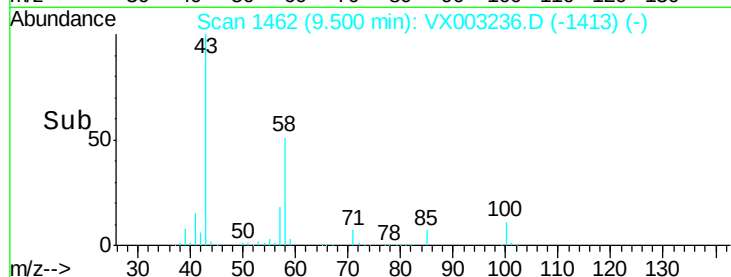
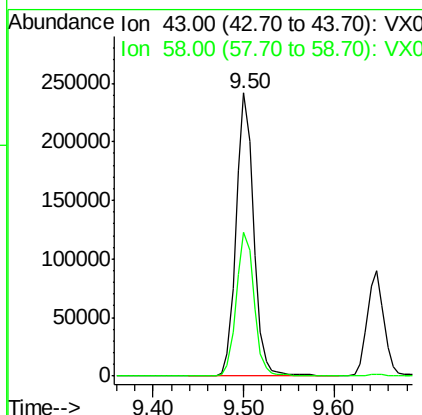
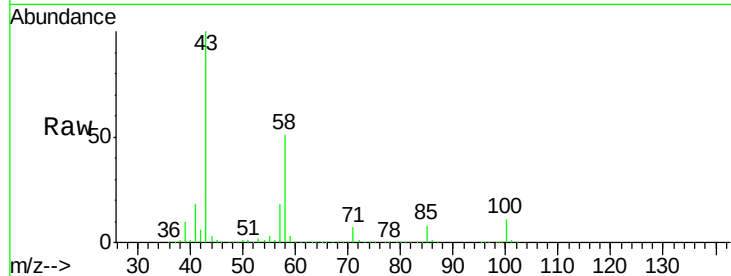
#59
2-Hexanone
Concen: 115.905 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion: 43 Resp: 324830
Ion Ratio Lower Upper
43 100
58 51.9 24.6 73.6

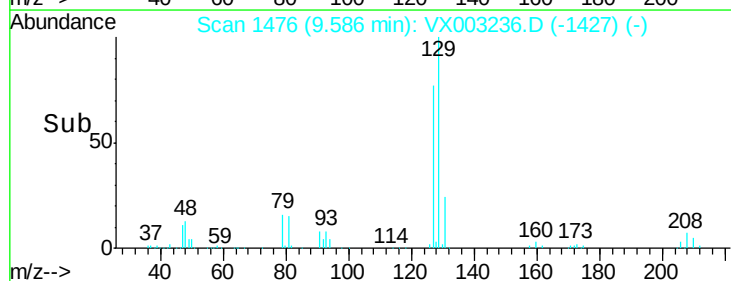
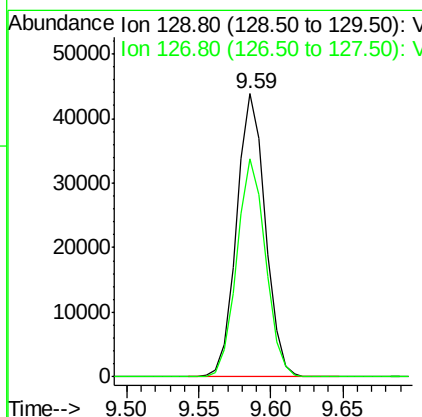
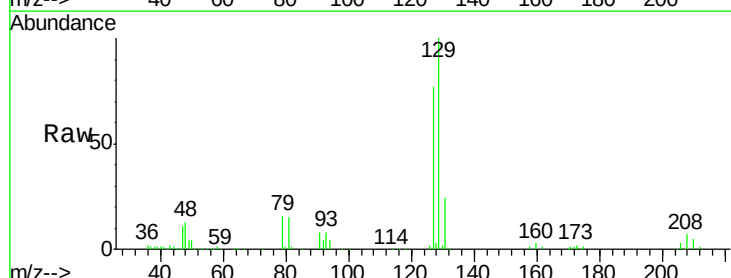
Manual Integrations
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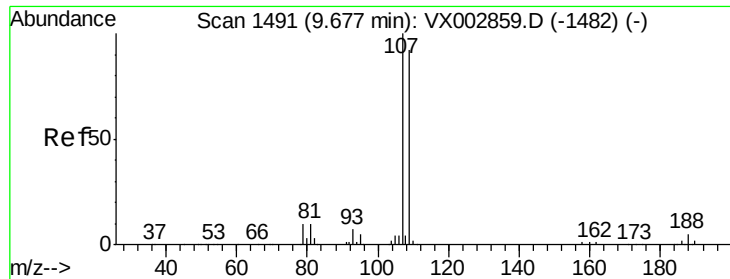
MMDadoda
7/9/2018 12:56:55 PM



#60
Dibromochloromethane
Concen: 23.153 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 129 Resp: 60846
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 23.851 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:107 Resp: 62456

Ion Ratio Lower Upper

107 100

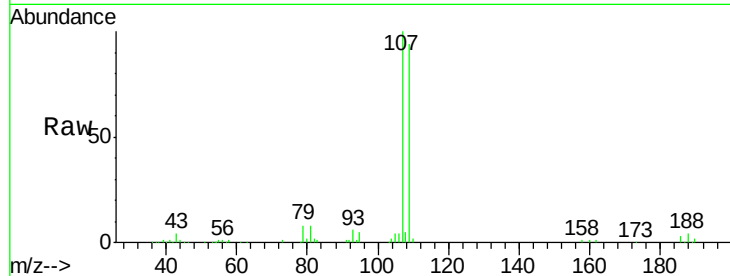
109 93.9 75.3 112.9

Manual Integrations

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7/9/2018 12:56:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

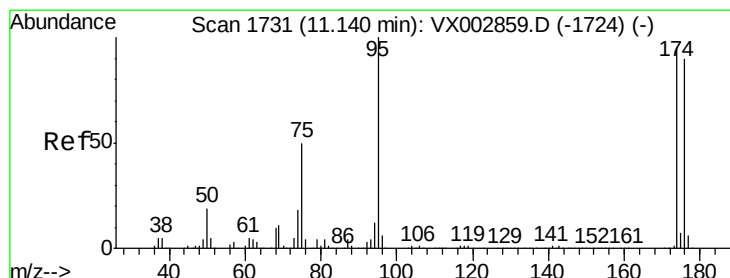
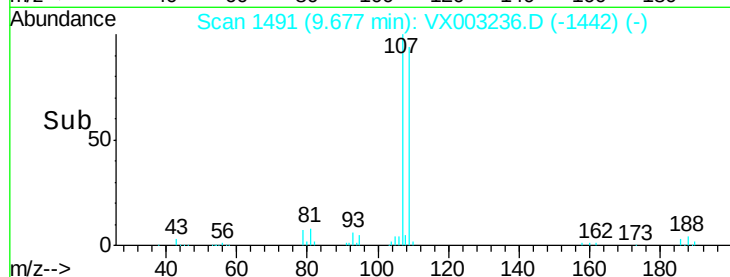
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 55.082 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

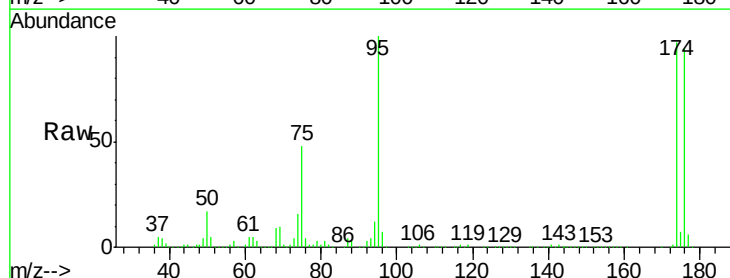
Tgt Ion: 95 Resp: 182837

Ion Ratio Lower Upper

95 100

174 100.0 0.0 187.4

176 97.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

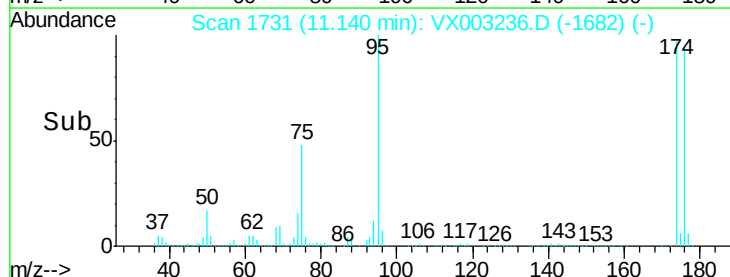
100000

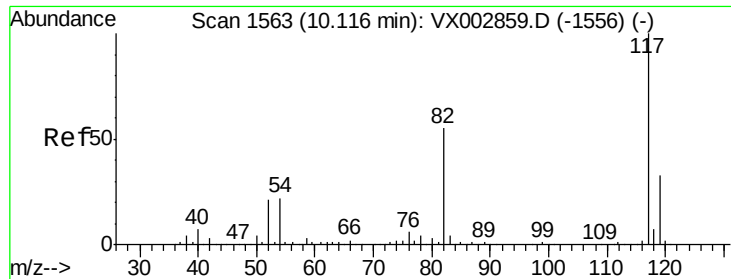
50000

0

Time-->

11.10 11.20





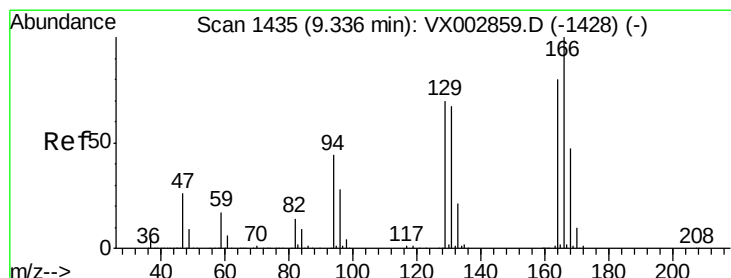
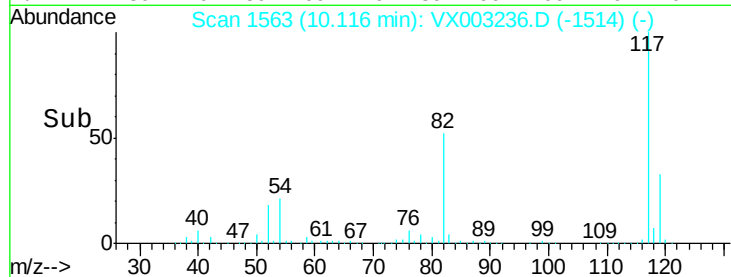
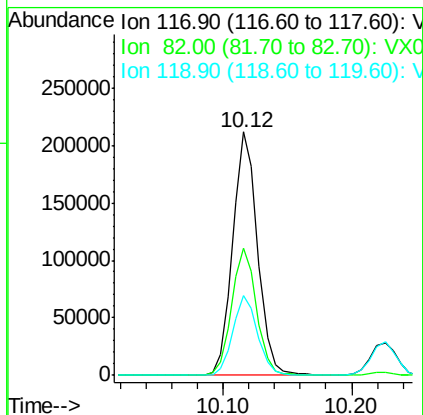
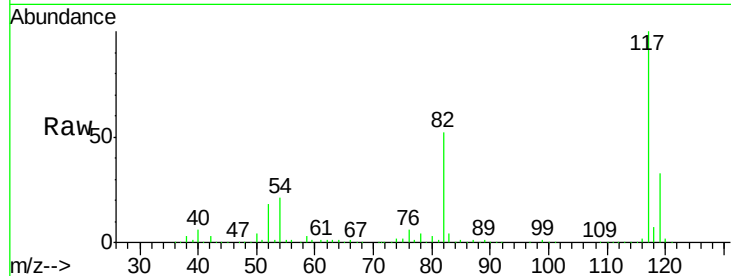
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.0	67.4
119	32.6	25.8	38.6

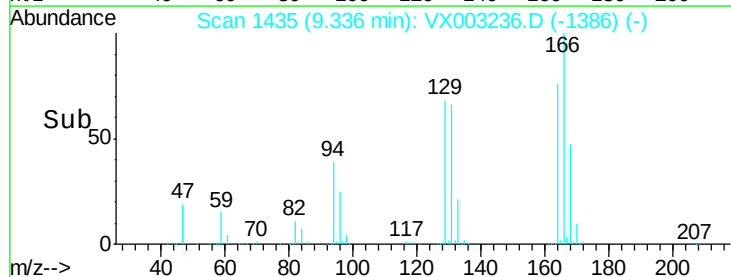
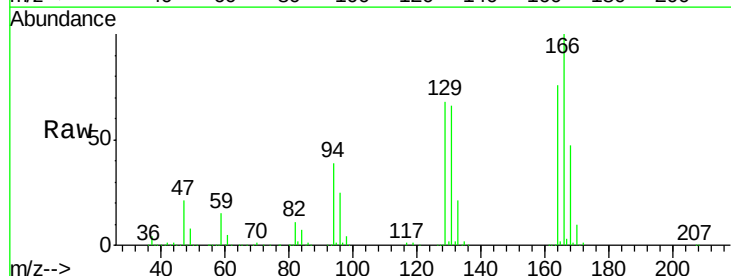
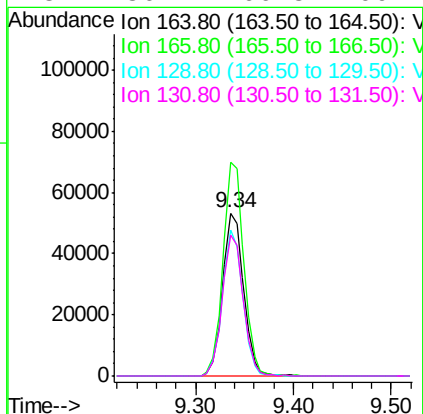
Manual Integrations
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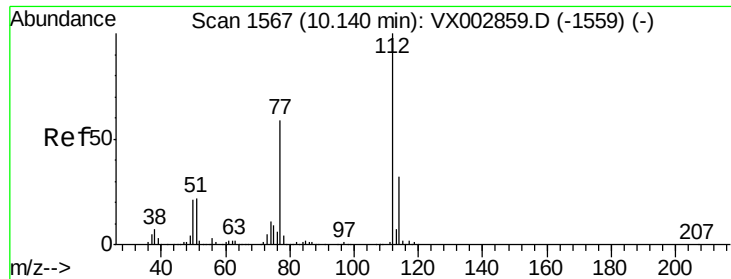
MMDadoda
7/9/2018 12:56:55 PM



#64
Tetrachloroethene
Concen: 24.861 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	102.9	154.3
129	89.7	68.6	102.8
131	86.2	66.8	100.2





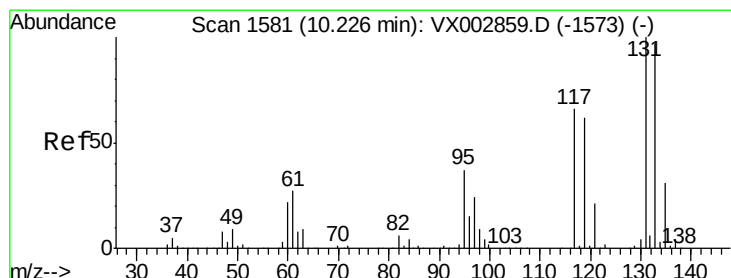
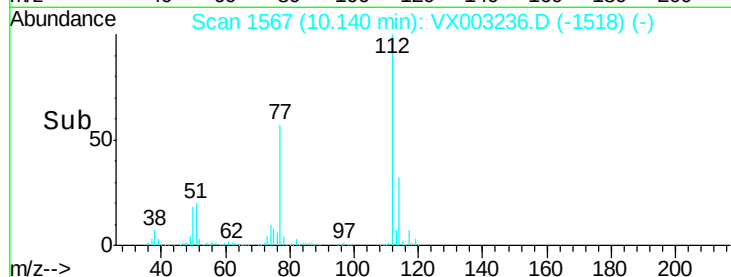
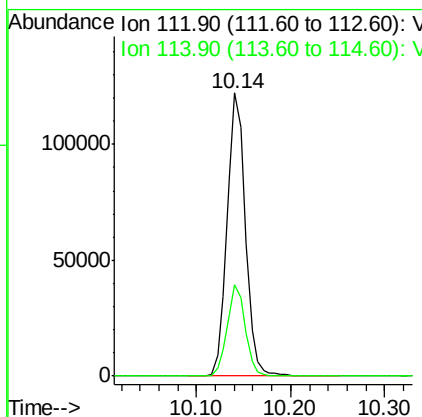
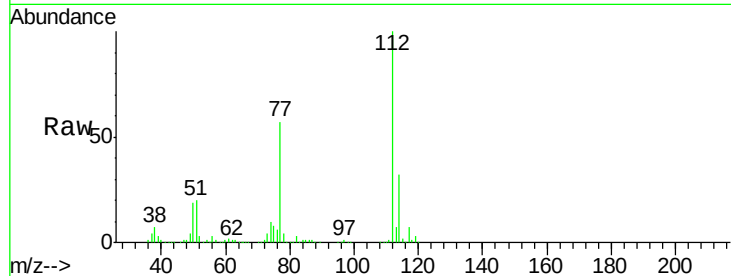
#65
Chlorobenzene
Concen: 22.777 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.3	37.9

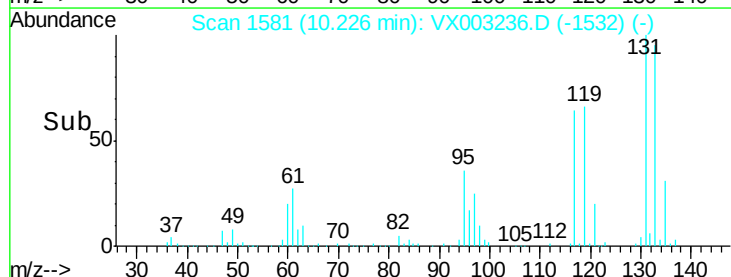
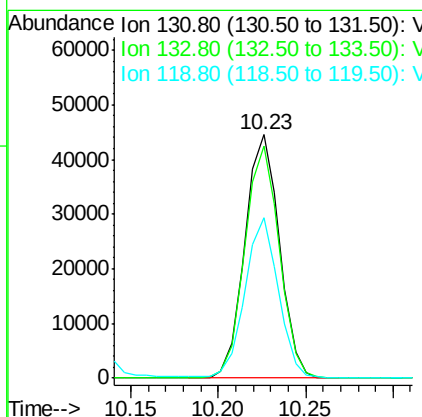
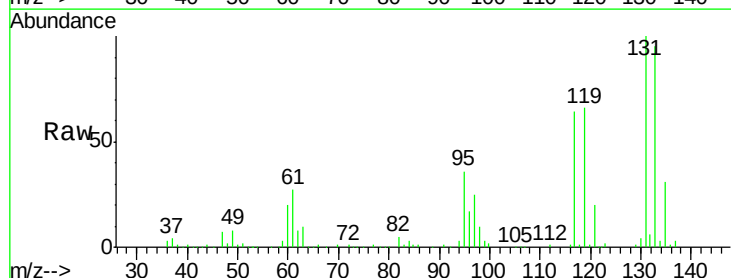
Manual Integrations
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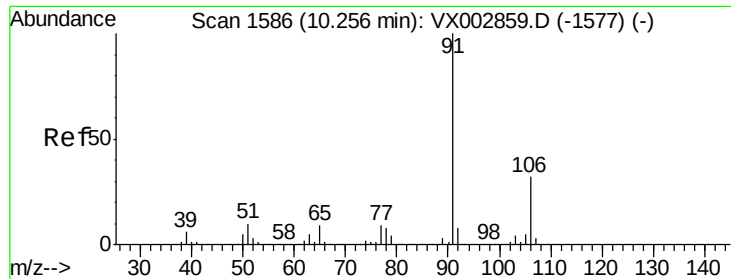
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.145 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.6
119	64.0	31.8	95.3





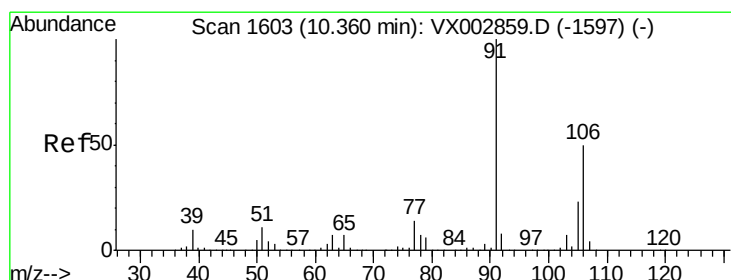
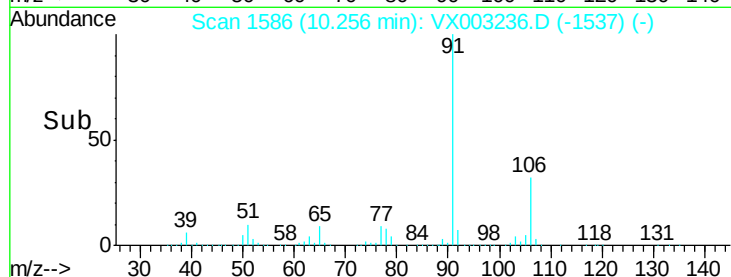
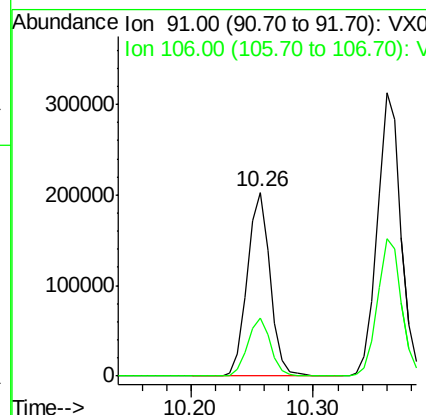
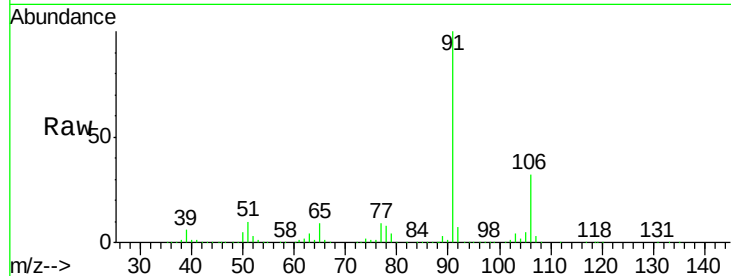
#67
Ethyl Benzene
Concen: 21.947 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion: 91 Resp: 263361
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

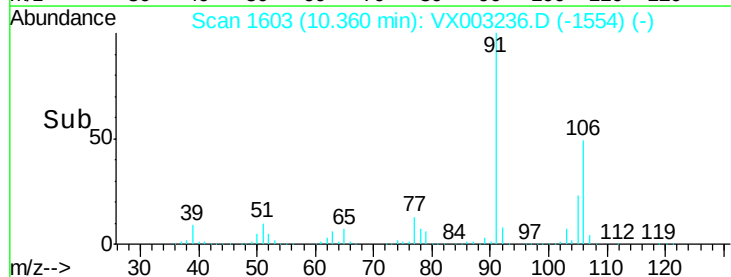
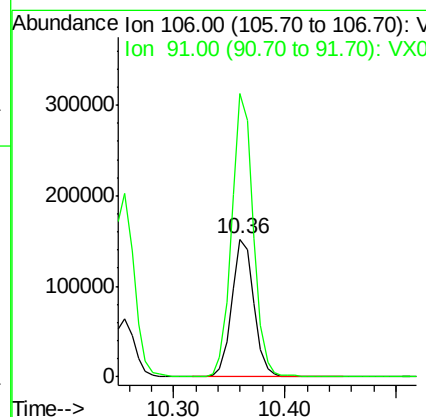
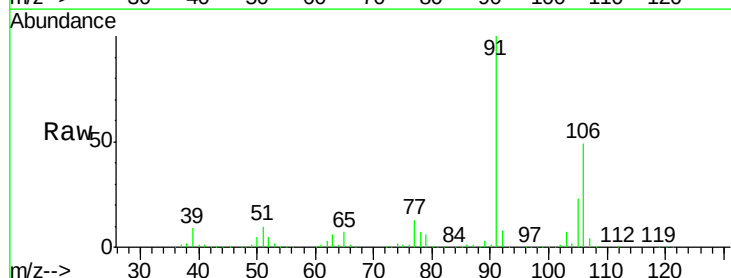
Manual Integrations
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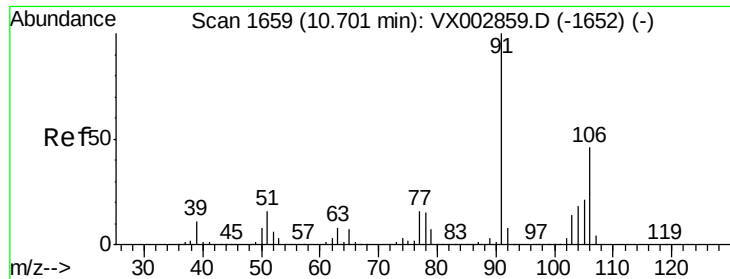
MMDadoda
7/9/2018 12:56:55 PM



#68
m/p-Xylenes
Concen: 44.796 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 106 Resp: 207167
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2





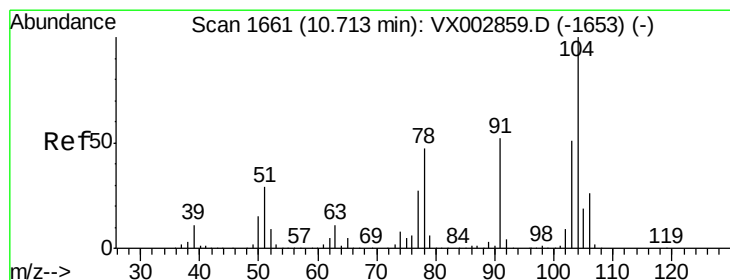
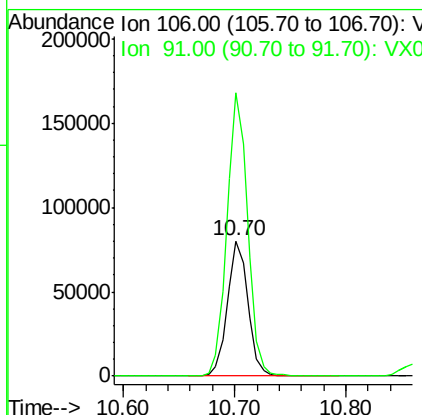
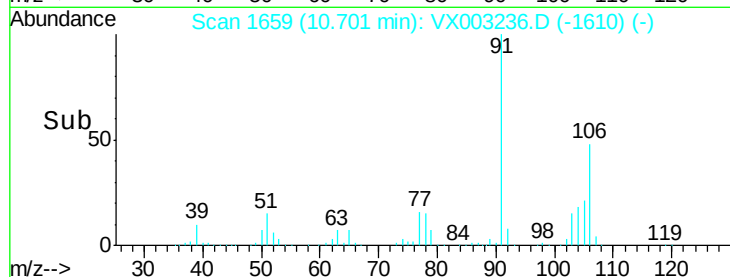
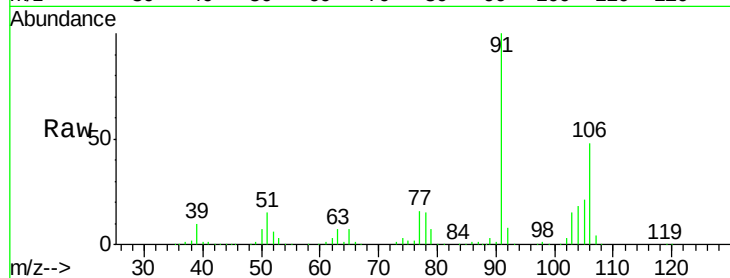
#69
o-Xylene
Concen: 22.683 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion:106 Resp: 102144
Ion Ratio Lower Upper
106 100
91 211.5 108.2 324.6

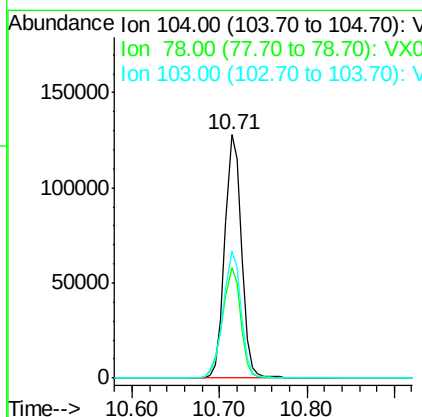
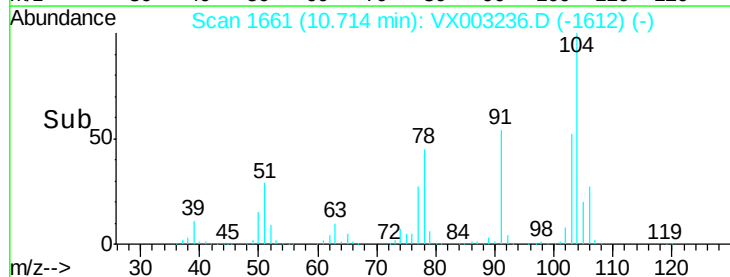
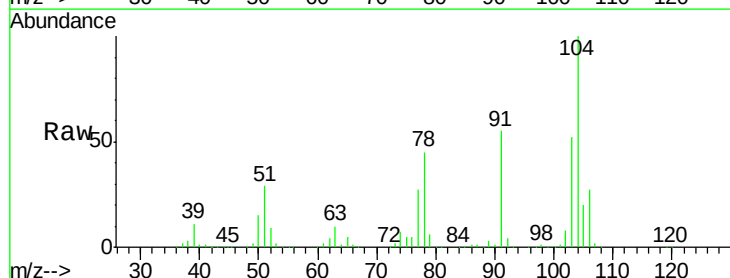
Manual Integrations
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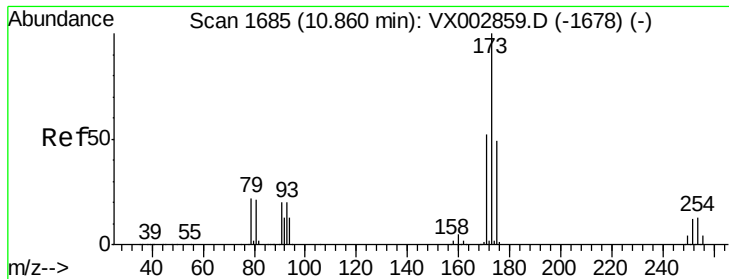
MMDadoda
7/9/2018 12:56:55 PM



#70
Styrene
Concen: 23.030 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion:104 Resp: 168516
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 55.9 44.2 66.4





#71

Bromoform

Concen: 22.065 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion:173 Resp: 46967

Ion Ratio Lower Upper

173 100

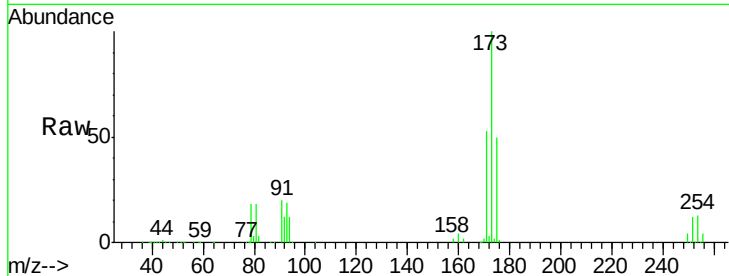
175 48.3 24.7 74.1

254 0.3 0.2 0.2#

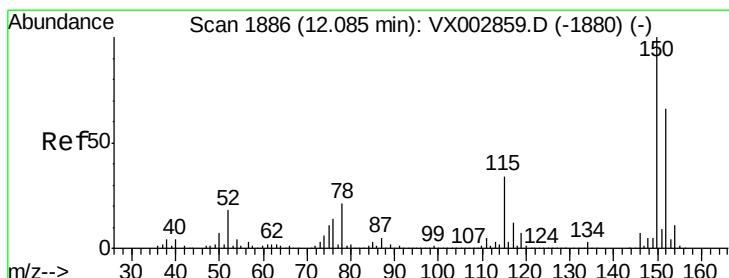
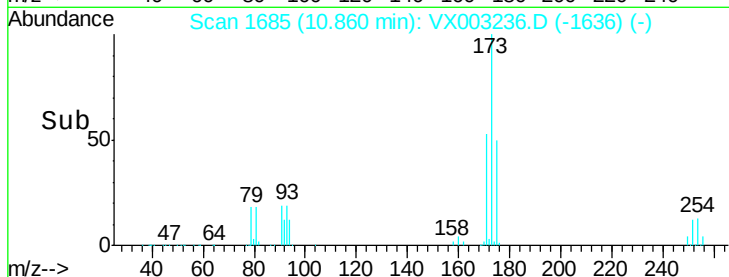
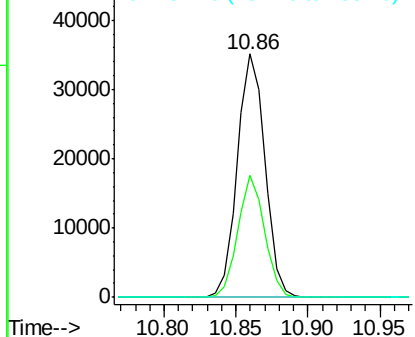
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

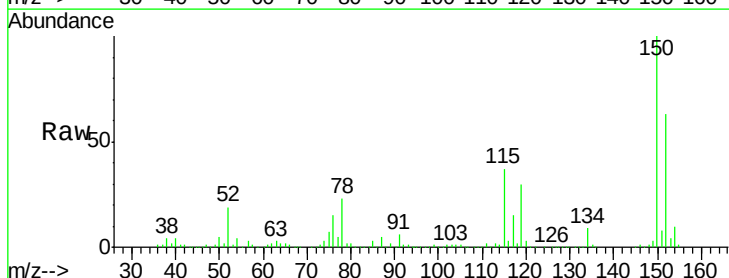
Tgt Ion:152 Resp: 178306

Ion Ratio Lower Upper

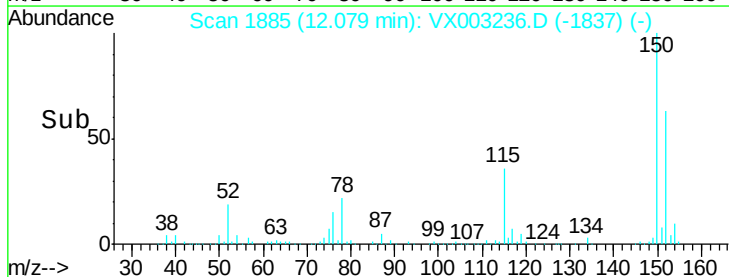
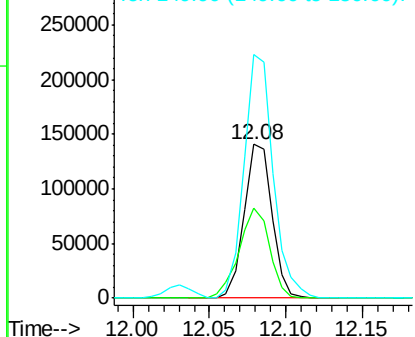
152 100

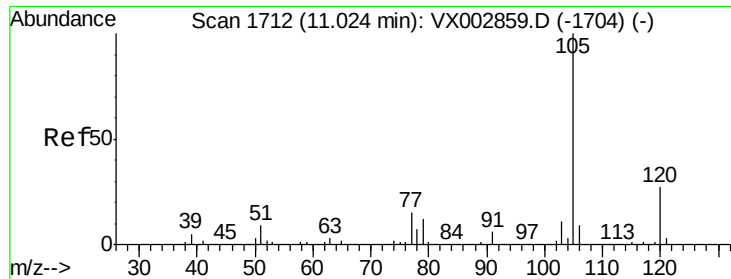
115 64.2 40.1 120.2

150 165.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.194 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:105 Resp: 278215

Ion Ratio Lower Upper

105 100

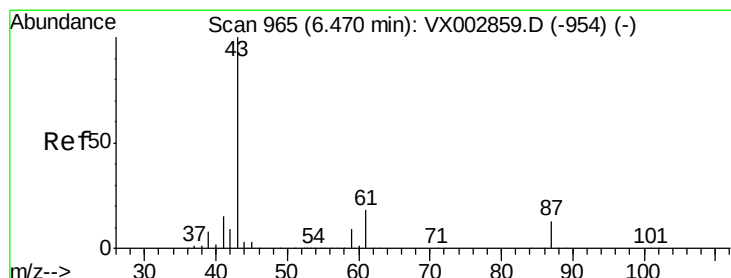
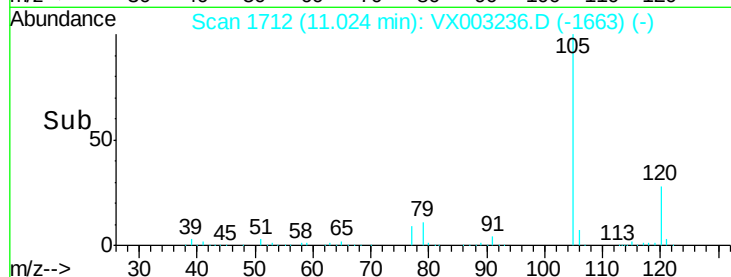
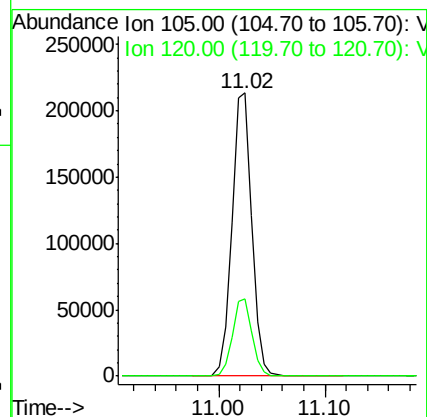
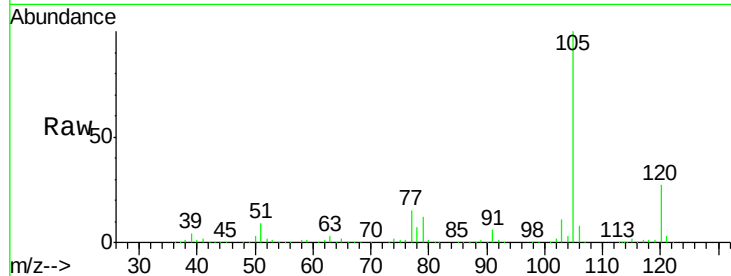
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.016 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion: 43 Resp: 129211

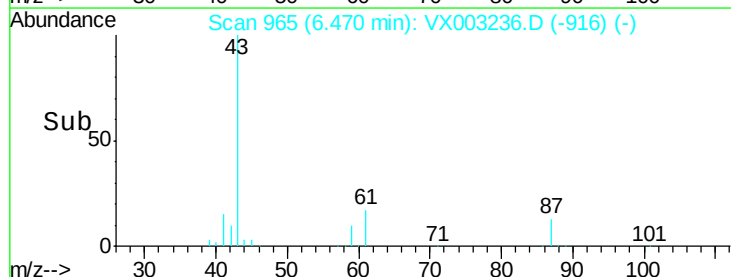
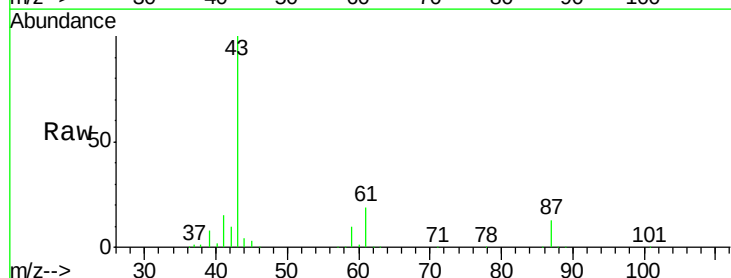
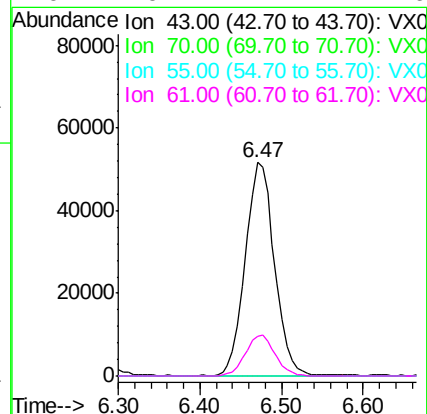
Ion Ratio Lower Upper

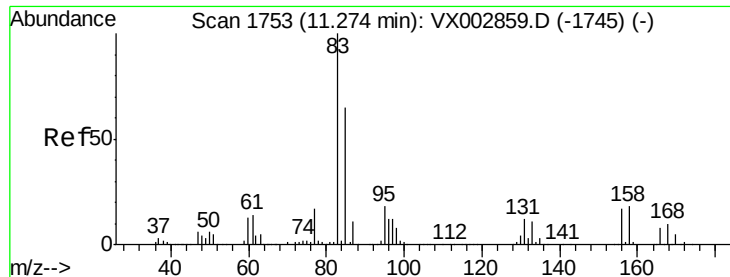
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.688 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

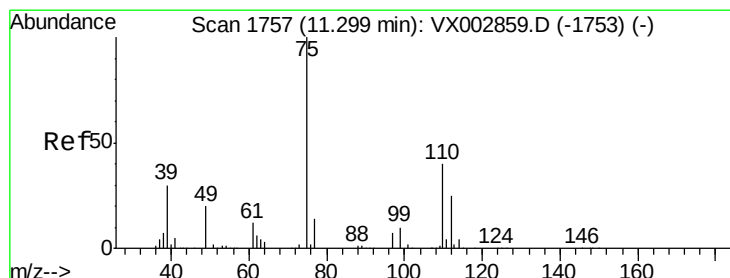
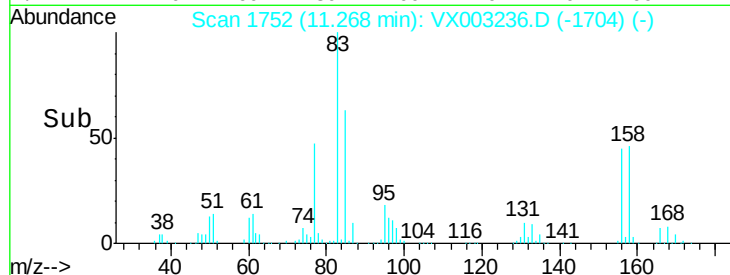
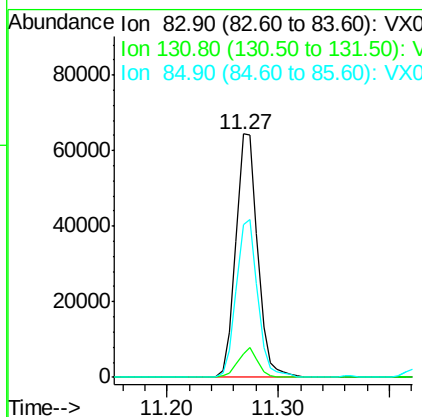
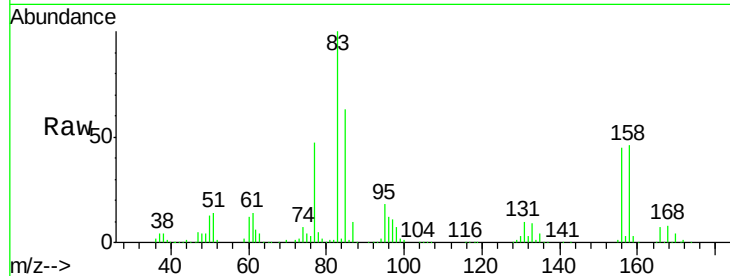
ClientSampled :

VX0706WBSD01

Tot Ion:	83	Resp:	87526
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	63.9	32.4	97.2

Manual Integrations
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7/9/2018 12:56:55 PM



#76

1,2,3-Trichloropropane

Concen: 25.921 ug/l m

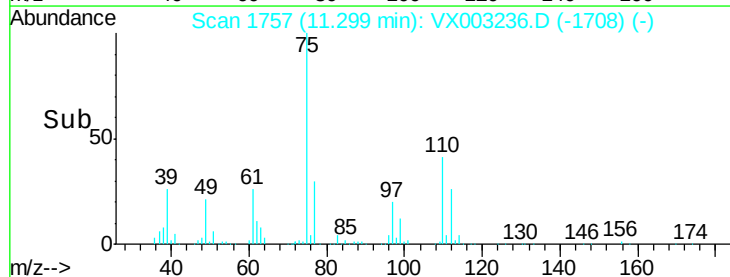
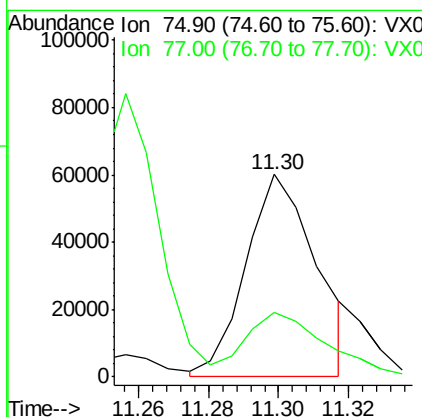
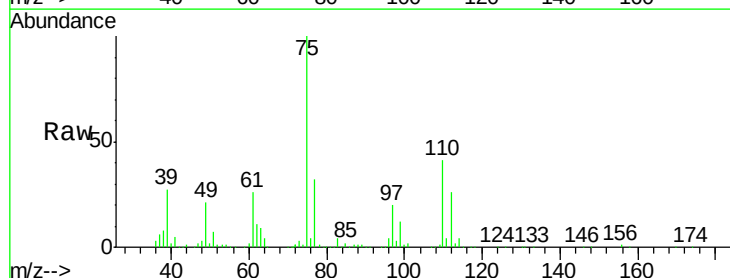
RT: 11.30 min Scan# 1757

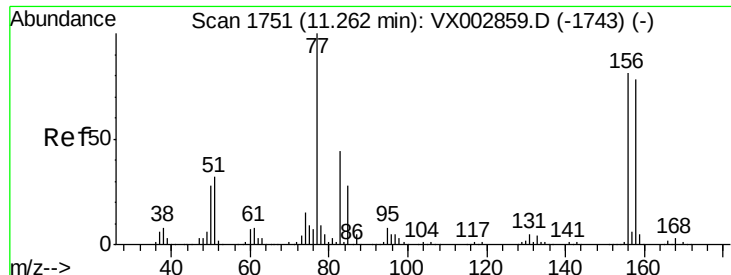
Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	75	Resp:	83720
Ion	Ratio	Lower	Upper
75	100		
77	36.7	22.8	68.3





#77

Bromobenzene

Concen: 22.974 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:156 Resp: 78476

Ion Ratio Lower Upper

156 100

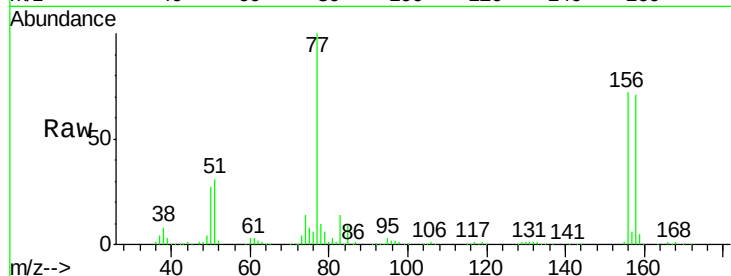
77 134.8 71.4 214.2

158 99.1 48.9 146.6

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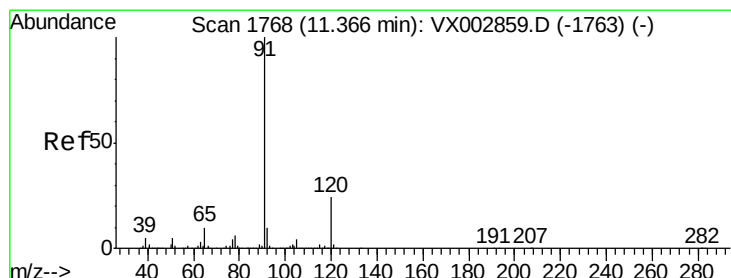
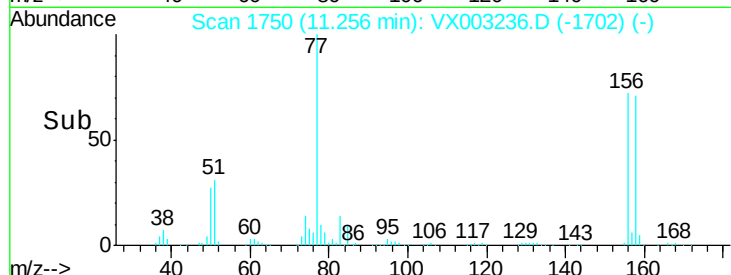
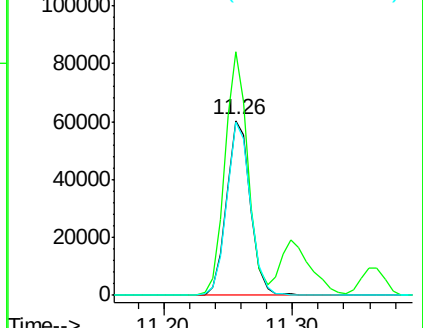
7/9/2018 12:56:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.562 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003236.D

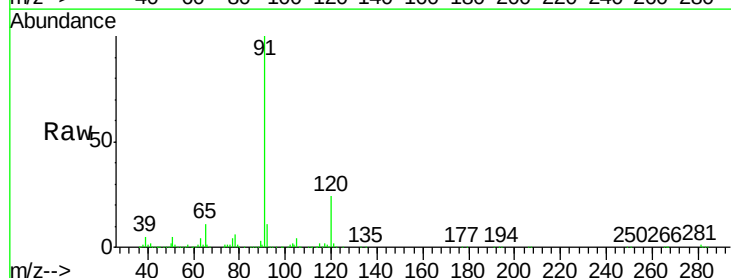
Acq: 07 Jul 2018 02:00

Tgt Ion: 91 Resp: 308063

Ion Ratio Lower Upper

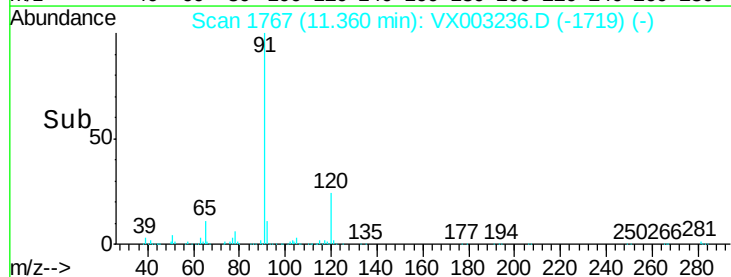
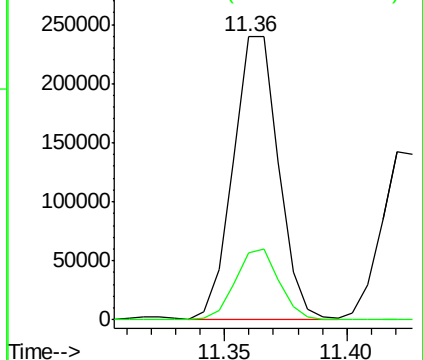
91 100

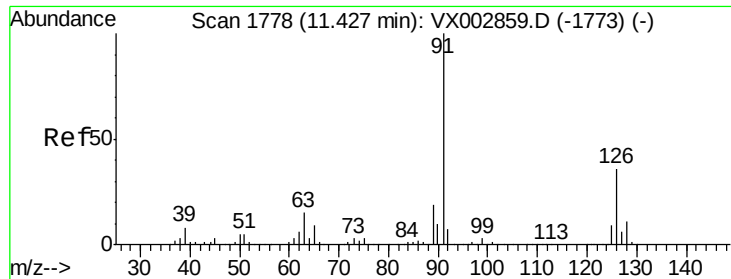
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.767 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 91 Resp: 188200

Ion Ratio Lower Upper

91 100

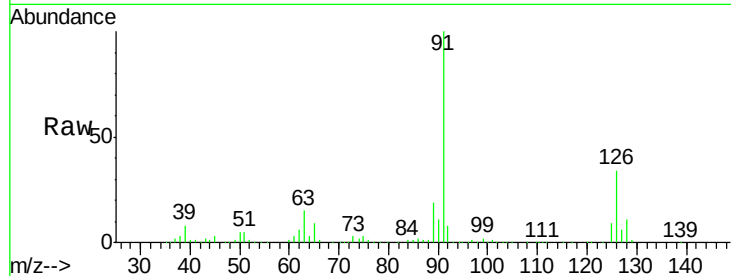
126 35.9 17.7 53.1

Manual Integrations

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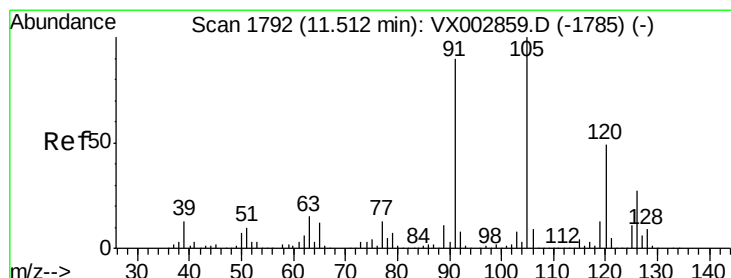
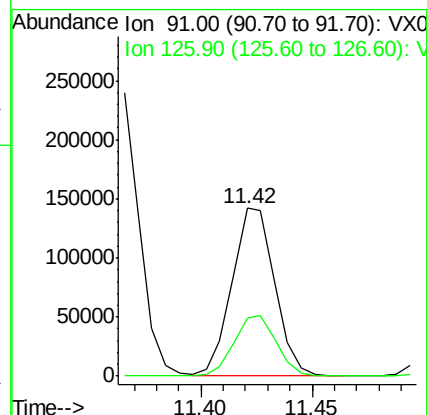
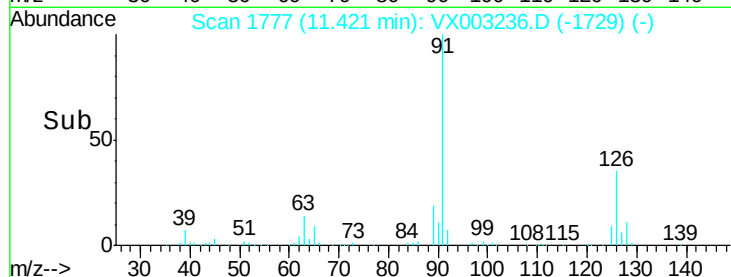
MMDadoda

7/9/2018 12:56:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.833 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003236.D

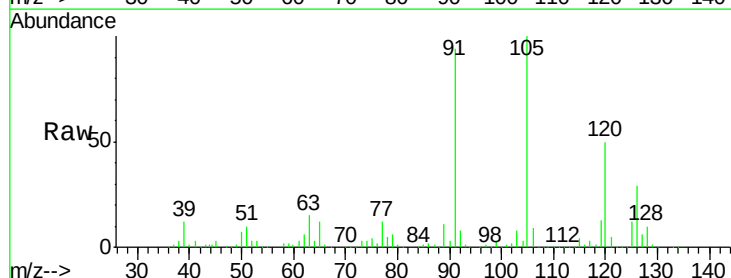
Acq: 07 Jul 2018 02:00

Tgt Ion: 105 Resp: 230680

Ion Ratio Lower Upper

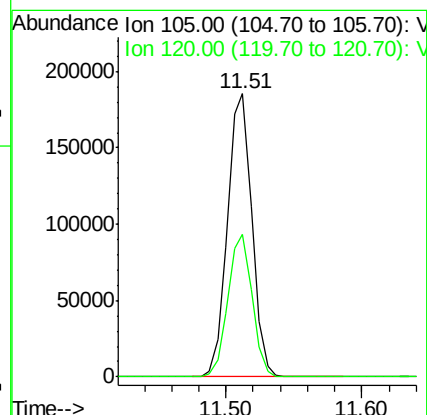
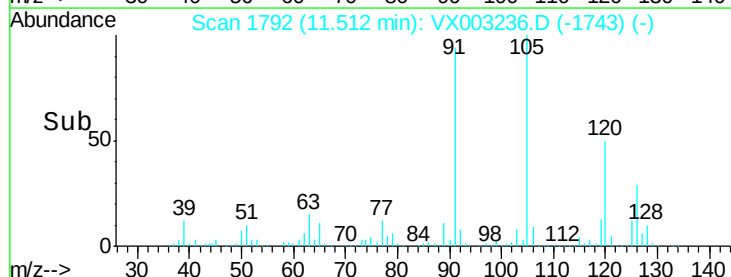
105 100

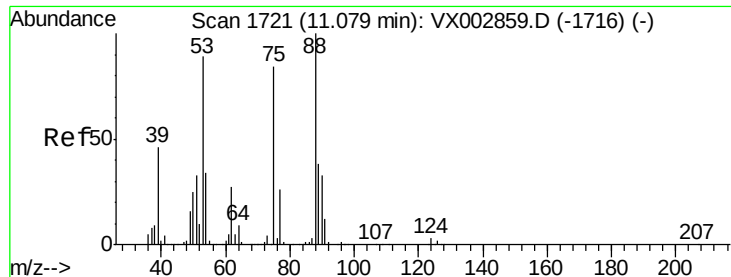
120 49.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)





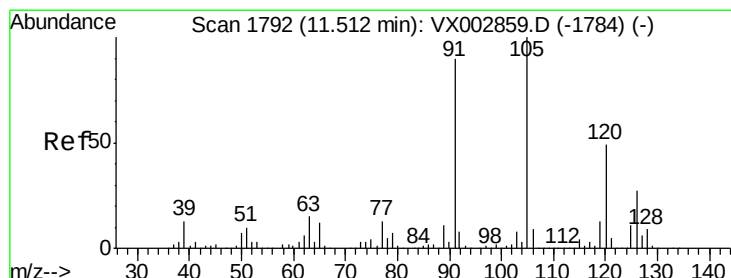
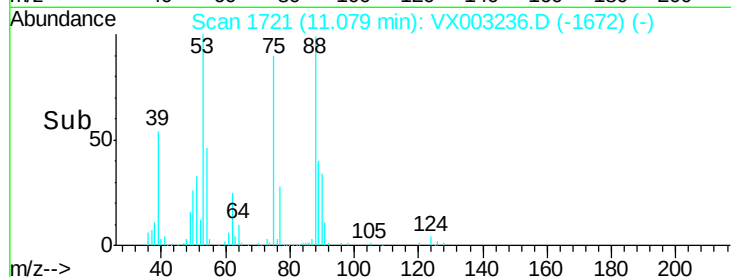
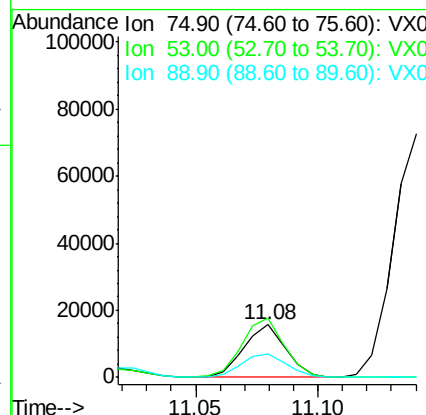
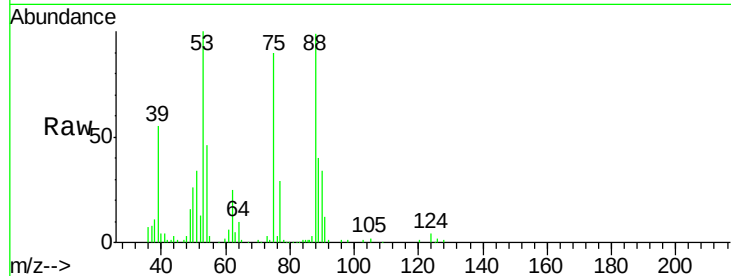
#81
trans-1,4-Dichloro-2-butene
Concen: 18.745 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	86.8	130.2
89	49.6	38.2	57.2

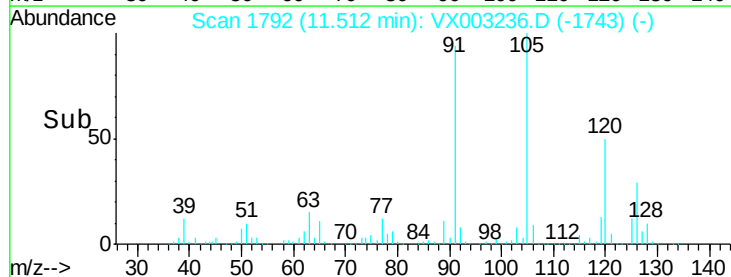
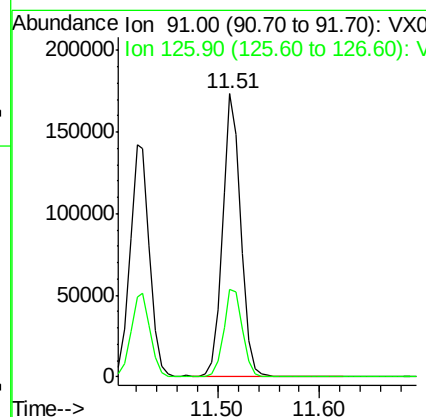
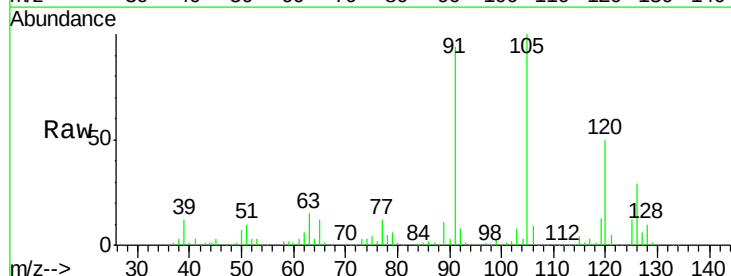
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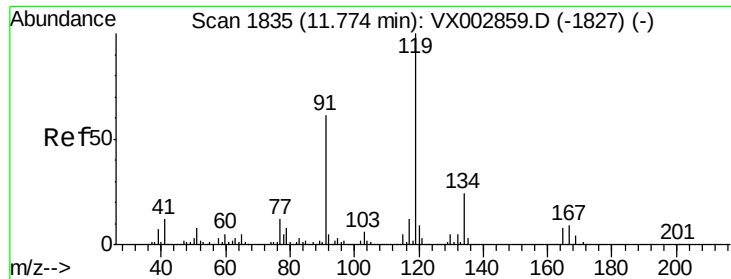
MMDadoda
7/9/2018 12:56:55 PM



#82
4-Chlorotoluene
Concen: 22.232 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.4





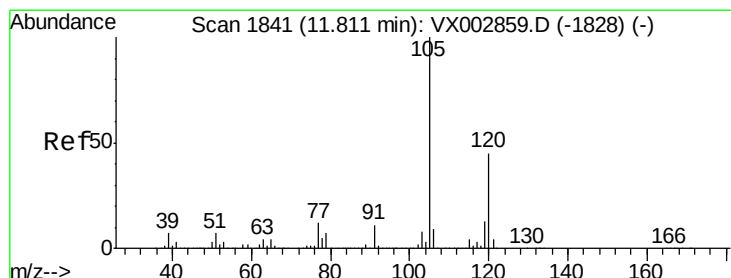
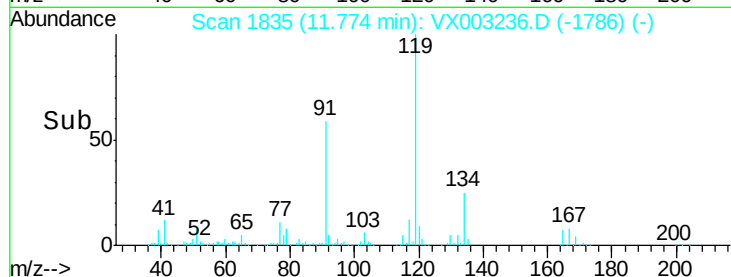
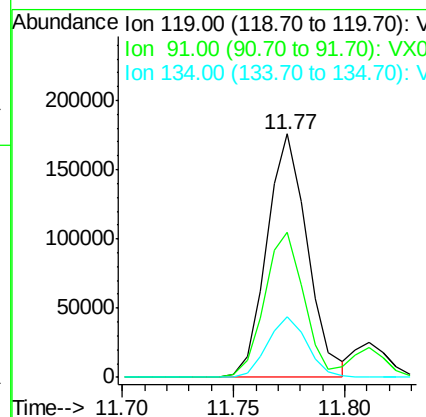
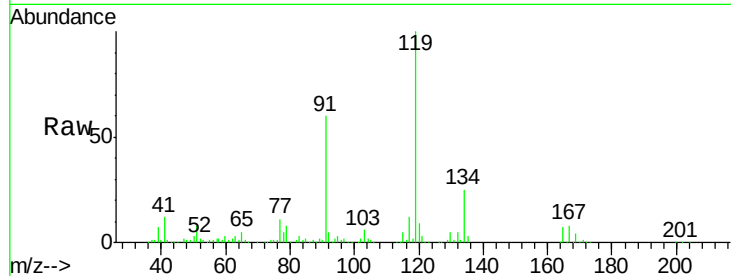
#83
 tert-Butylbenzene
 Concen: 22.326 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.3	90.9
134	24.5	11.7	35.1

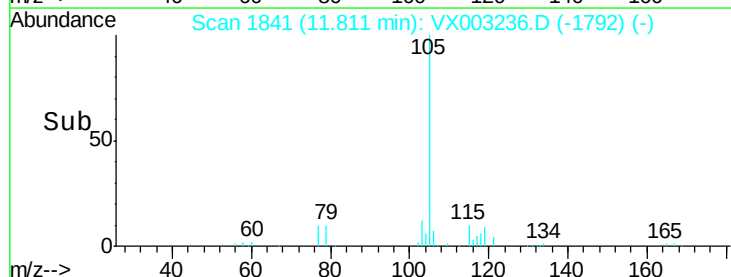
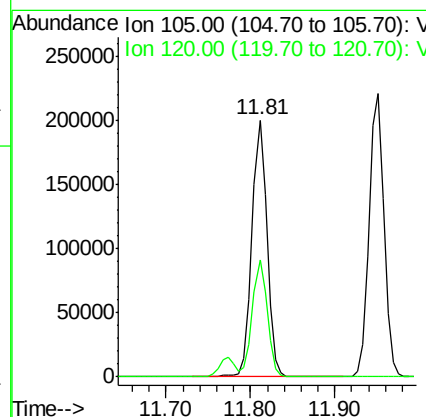
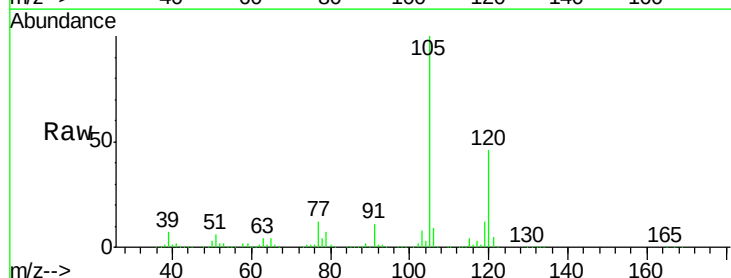
Manual Integrations
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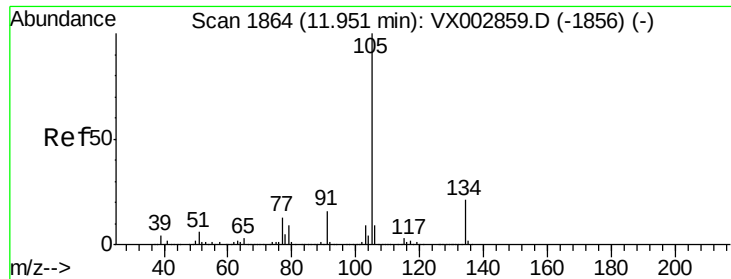
MMDadoda
 7/9/2018 12:56:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.692 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 22.561 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion:105 Resp: 272508

Ion Ratio Lower Upper

105 100

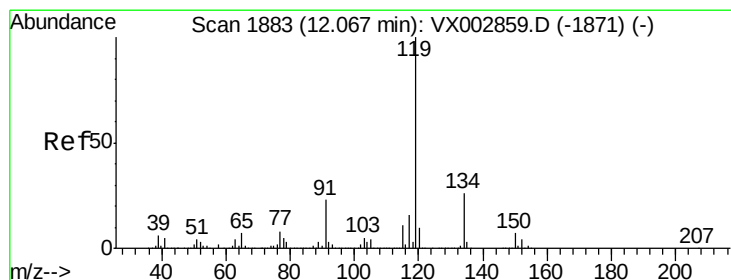
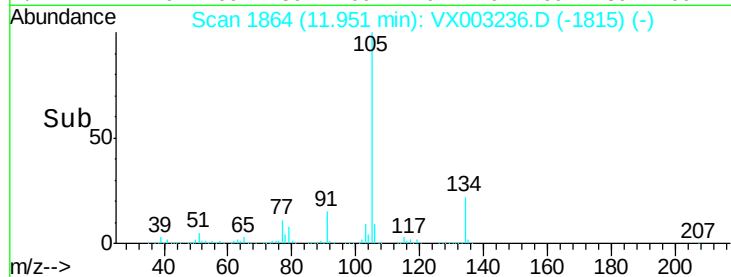
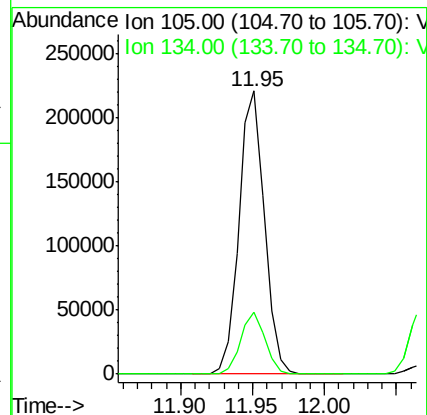
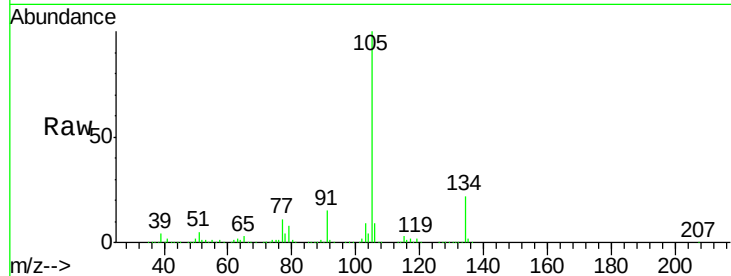
134 21.2 10.4 31.1

Manual Integrations

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7/9/2018 12:56:55 PM



#86

p-Isopropyltoluene

Concen: 22.464 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

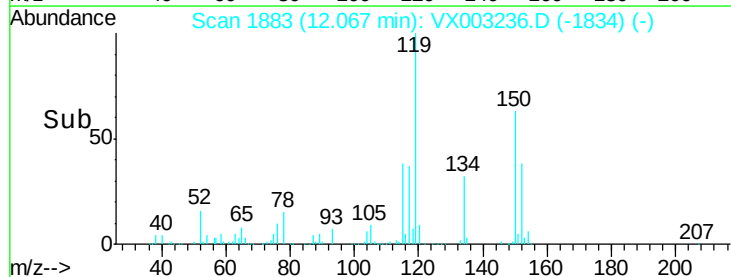
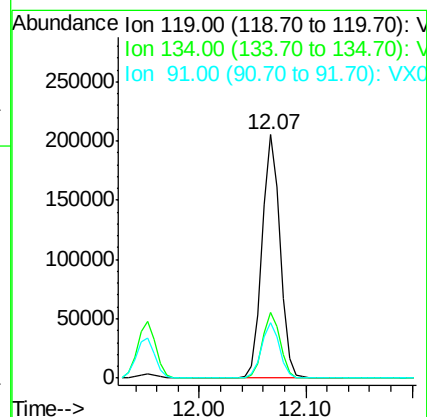
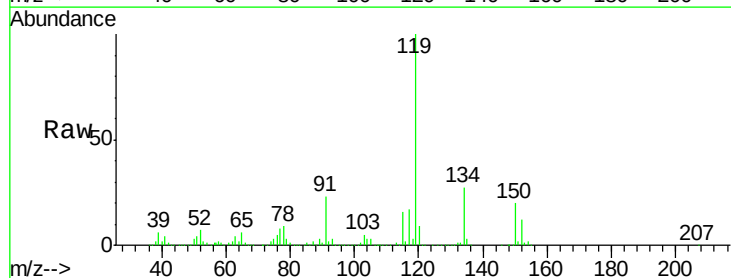
Tgt Ion:119 Resp: 243946

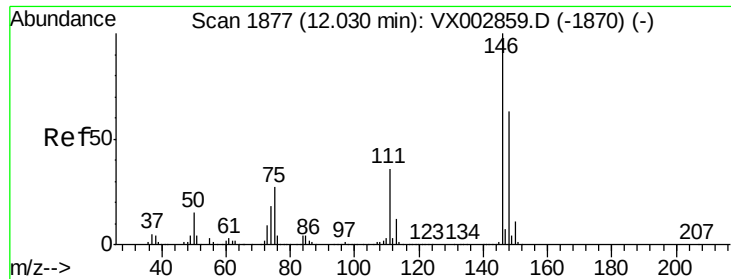
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.0 11.9 35.7





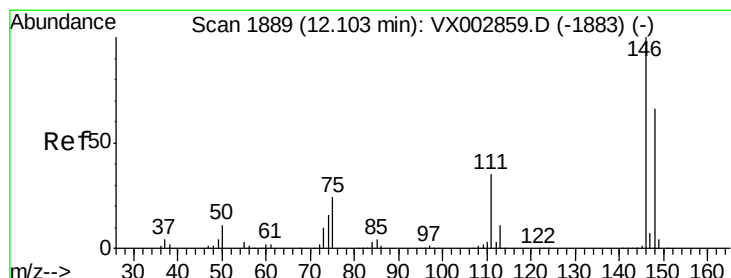
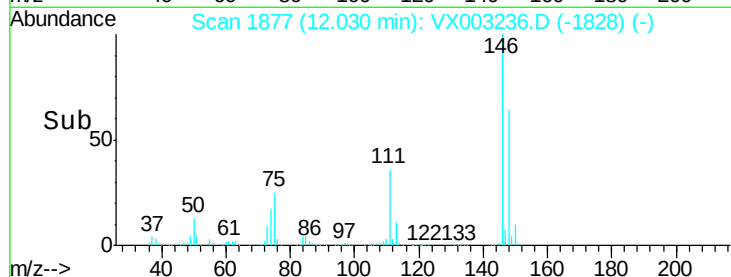
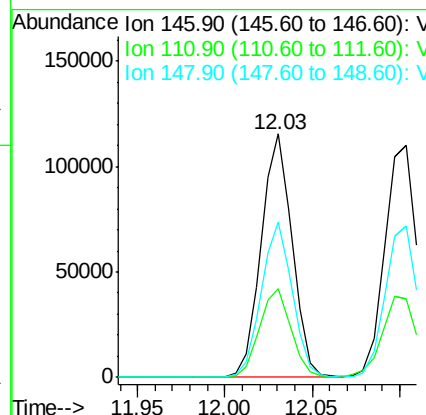
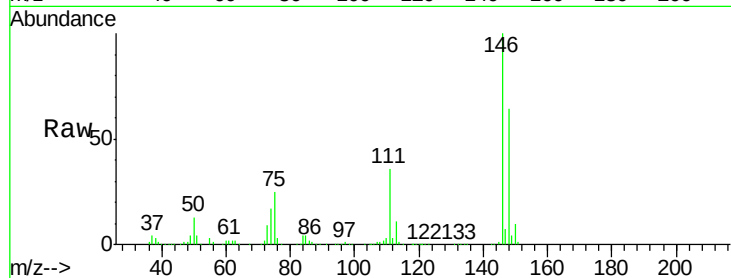
#87
 1,3-Dichlorobenzene
 Concen: 22.788 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	63.9	32.1	96.3

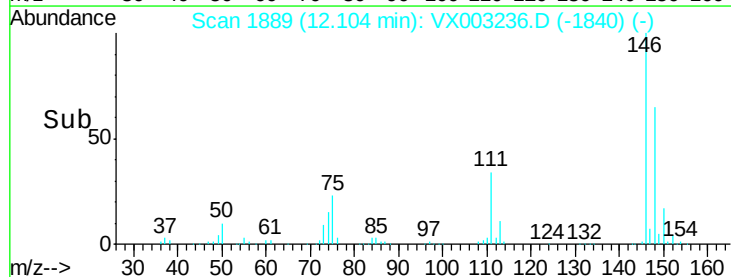
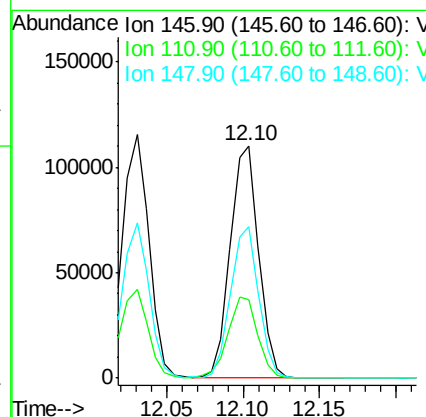
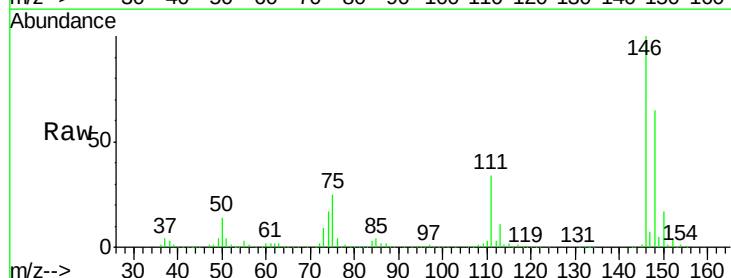
Manual Integrations
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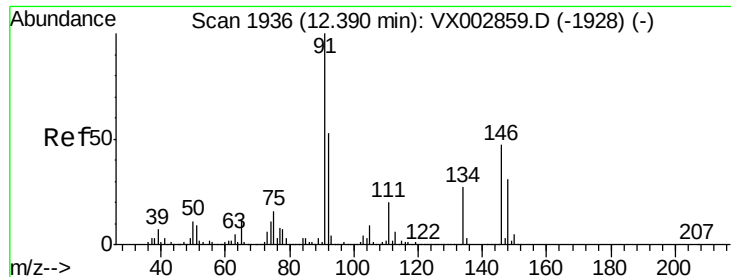
MMDadoda
 7/9/2018 12:56:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.173 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.5	32.4	97.0





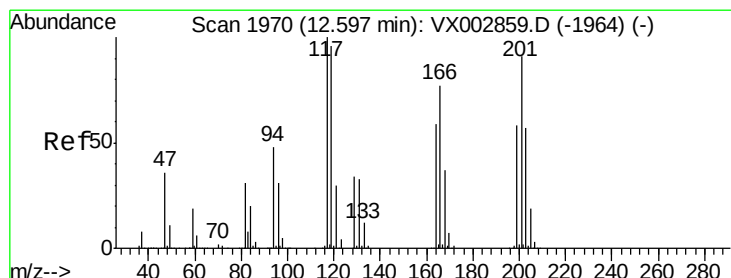
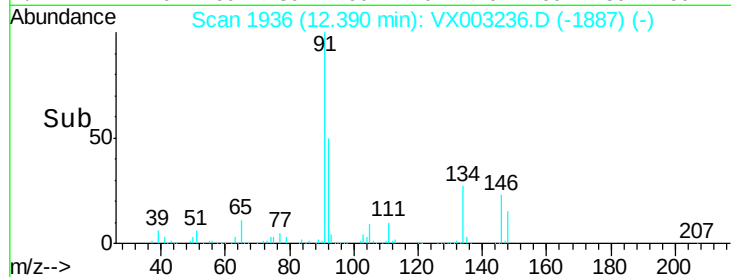
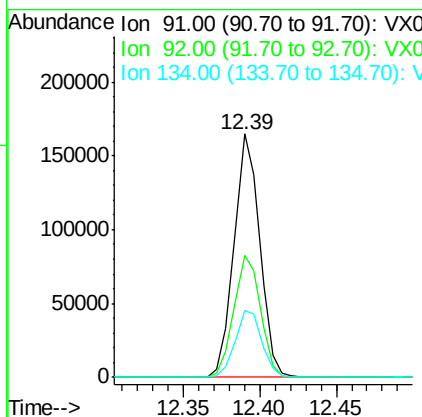
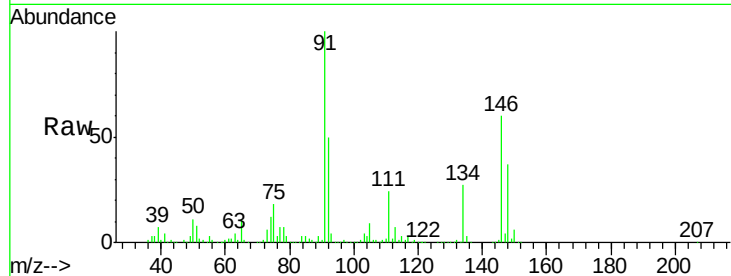
#89
n-Butylbenzene
Concen: 20.351 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	28.4	13.5	40.5

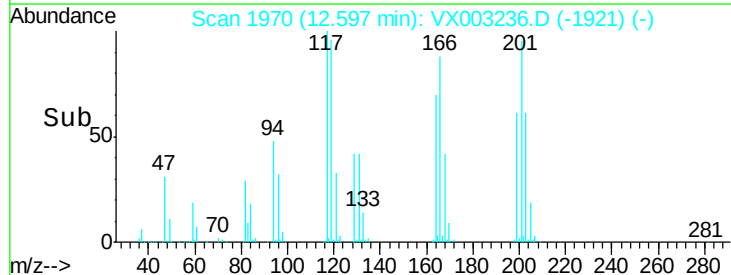
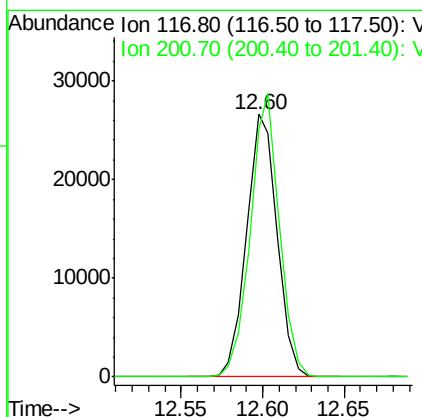
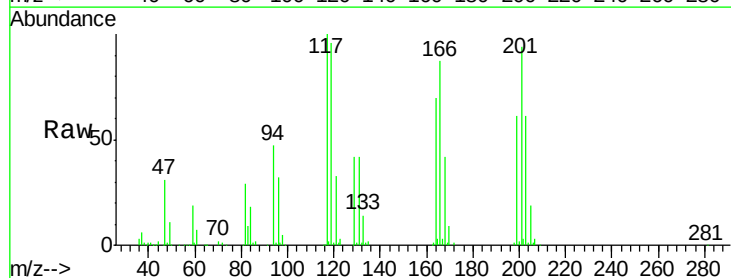
Manual Integrations
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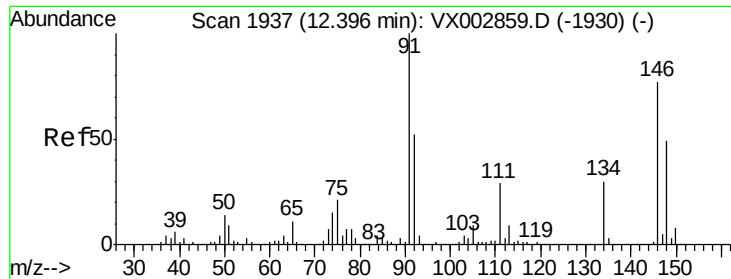
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7/9/2018 12:56:55 PM



#90
Hexachloroethane
Concen: 21.459 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.3	49.0	147.0





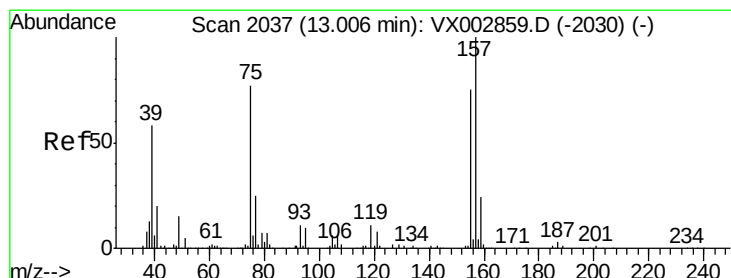
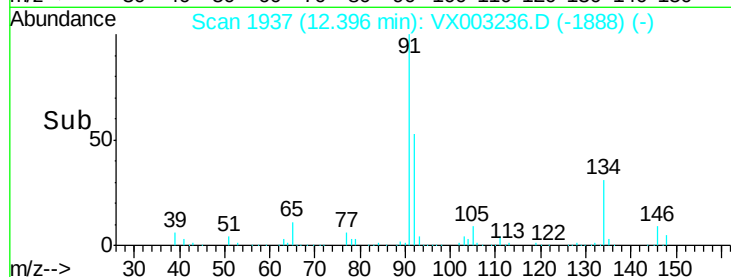
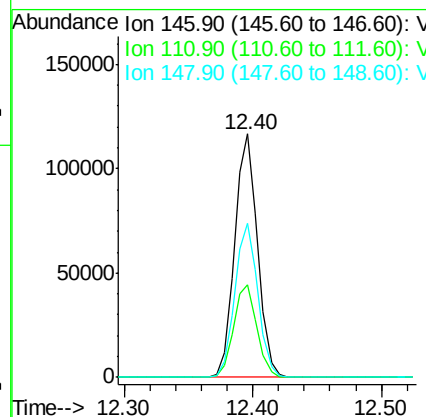
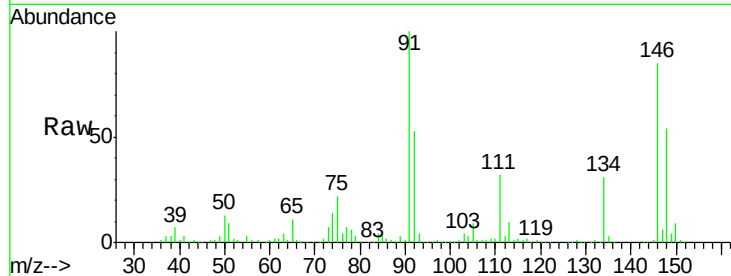
#91
 1,2-Dichlorobenzene
 Concen: 23.040 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	63.9	31.7	95.1

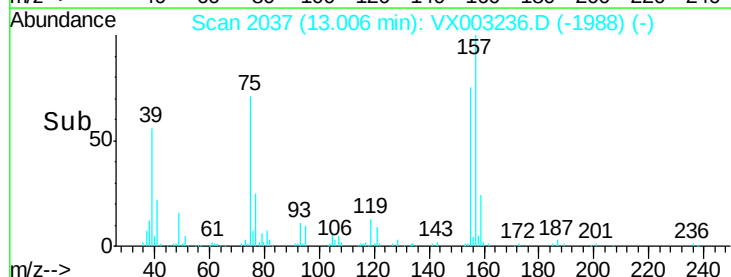
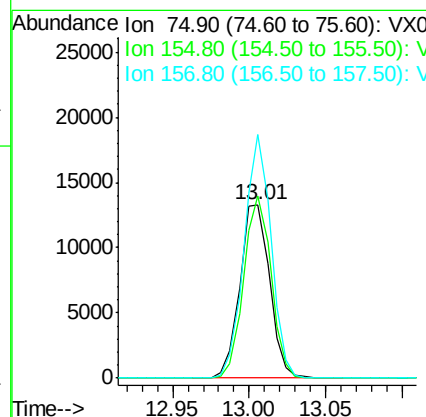
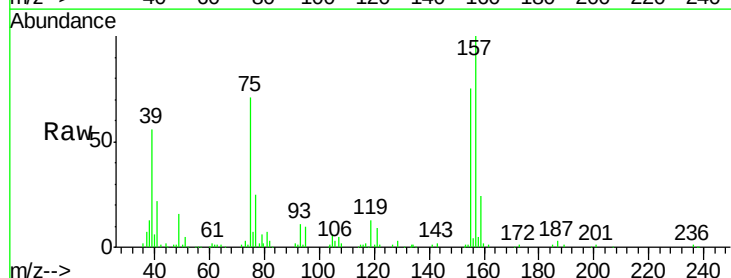
Manual Integrations
 APPROVED

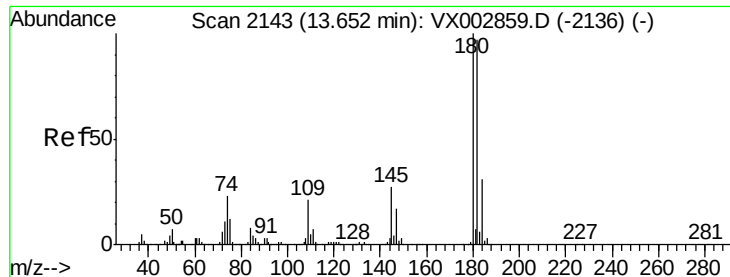
MMDadoda
 7/9/2018 12:56:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.616 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	45.8	137.4
157	126.3	60.1	180.3





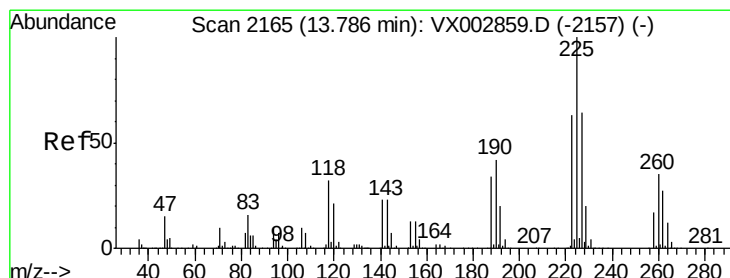
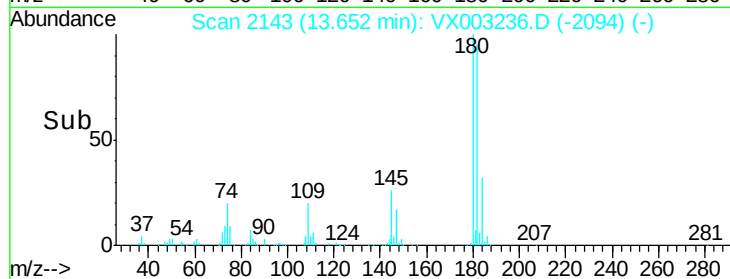
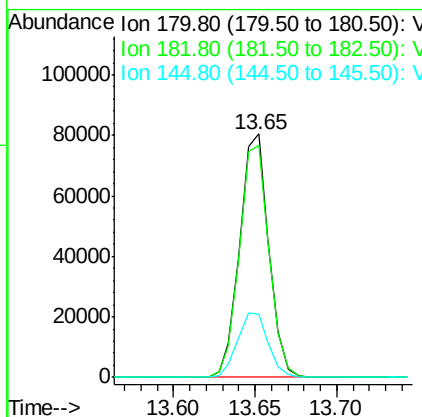
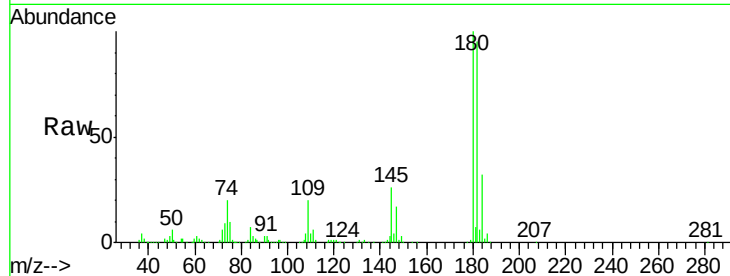
#93
 1,2,4-Trichlorobenzene
 Concen: 21.830 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.7	143.1
145	27.8	14.1	42.4

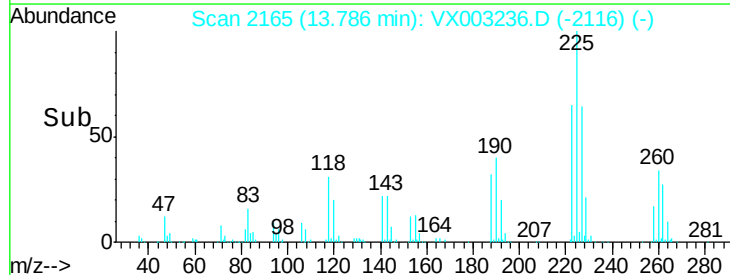
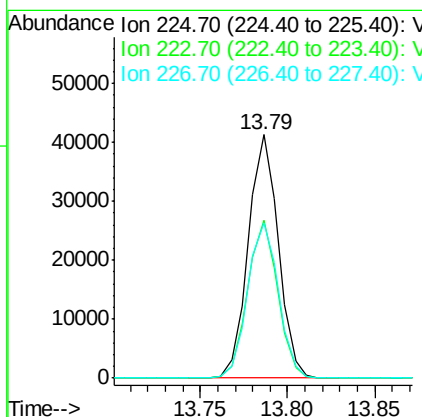
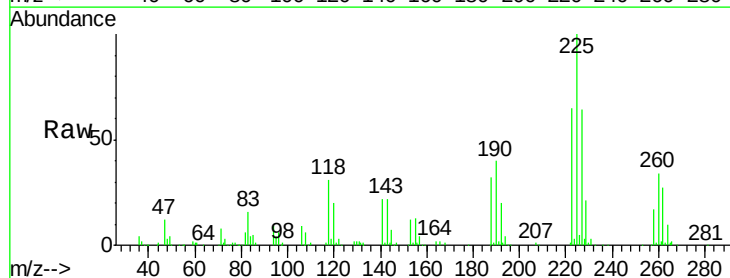
Manual Integrations
 APPROVED

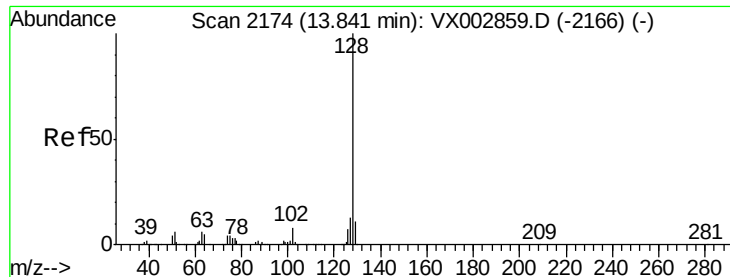
MMDadoda
 7/9/2018 12:56:55 PM



#94
 Hexachlorobutadiene
 Concen: 21.505 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.6	95.0
227	65.3	32.4	97.2





#95

Naphthalene

Concen: 23.028 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

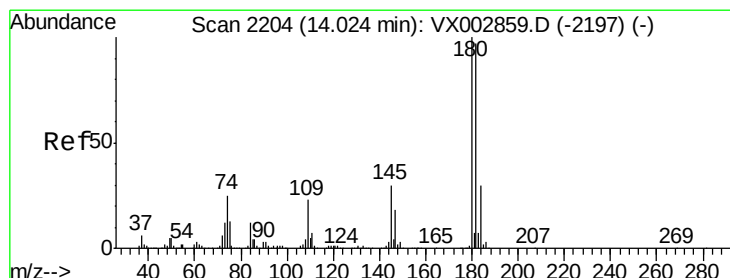
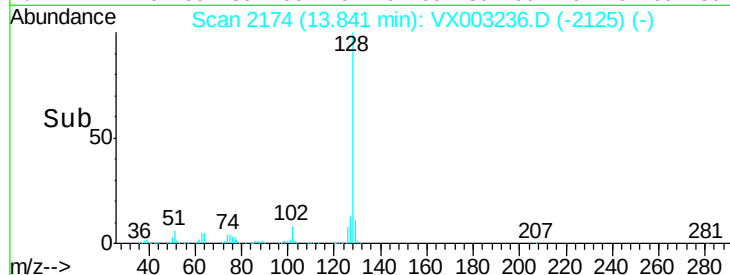
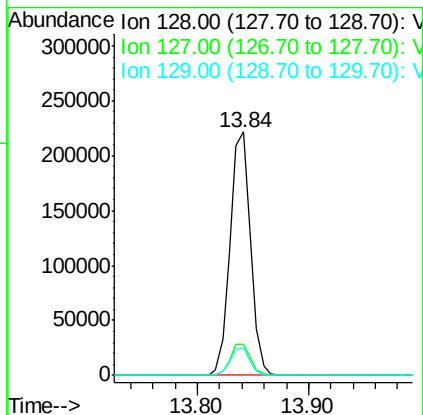
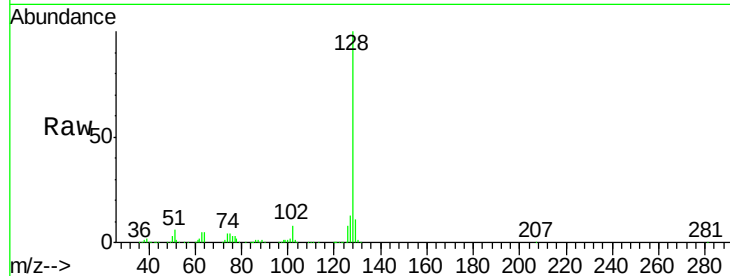
ClientSampleId :

VX0706WBSD01

Tot Ion:	128	Resp:	281082
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.682 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion:	180	Resp:	103824
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	29.3	14.8	44.3

