

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060718\
 Data File : VX002388.D
 Acq On : 07 Jun 2018 19:53
 Operator : JC/MD
 Sample : J3340-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:28 PM

Quant Time: Jun 08 09:08:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209771	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	160621	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.51	113	124584	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	8.72	98	475879	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.14	95	183518	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	116502	49.215	ug/l	98
3) Chloromethane	1.32	50	133850	49.308	ug/l	98
4) Vinyl Chloride	1.41	62	153141	51.331	ug/l	99
5) Bromomethane	1.64	94	81875	48.386	ug/l	98
6) Chloroethane	1.72	64	100903	52.285	ug/l	100
7) Trichlorofluoromethane	1.93	101	256989	56.535	ug/l	98
8) Diethyl Ether	2.19	74	94107	58.673	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	140713	57.363	ug/l	99
10) Methyl Iodide	2.51	142	138829	40.237	ug/l	99
11) Tert butyl alcohol	3.08	59	196001	297.440	ug/l	99
12) 1,1-Dichloroethene	2.37	96	129769	53.530	ug/l	99
13) Acrolein	2.30	56	66998	205.474	ug/l	100
14) Allyl chloride	2.73	41	259652	49.354	ug/l	99
15) Acrylonitrile	3.15	53	411088	298.496	ug/l	100
16) Acetone	2.45	43	388157	279.411	ug/l	99
17) Carbon Disulfide	2.57	76	304096	47.594	ug/l	98
18) Methyl Acetate	2.78	43	187594	57.931	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	492063	58.704	ug/l	99
20) Methylene Chloride	2.86	84	147014	57.512	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	138431	51.782	ug/l	98
22) Diisopropyl ether	3.87	45	459022	52.295	ug/l	94
23) Vinyl Acetate	3.83	43	1879673	220.397	ug/l	100
24) 1,1-Dichloroethane	3.70	63	230785	44.384	ug/l	98
25) 2-Butanone	4.71	43	531324	237.966	ug/l	99
26) 2,2-Dichloropropane	4.59	77	169050	41.592	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	138208	47.538	ug/l	94
28) Bromochloromethane	5.03	49	121145	55.147	ug/l	100
29) Tetrahydrofuran	5.17	42	347810	241.609	ug/l	99
30) Chloroform	5.22	83	248588	49.544	ug/l	99
31) Cyclohexane	5.57	56	207445	50.453	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	215344	50.607	ug/l	99
36) 1,1-Dichloropropene	5.81	75	176740	50.453	ug/l	99
37) Ethyl Acetate	4.87	43	199485	47.352	ug/l	100
38) Carbon Tetrachloride	5.79	117	187630	51.199	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	209094	48.323	ug/l	98
40) Benzene	6.15	78	531725	49.505	ug/l	99
41) Methacrylonitrile	5.07	41	118488	49.132	ug/l	98
42) 1,2-Dichloroethane	6.20	62	210067	49.226	ug/l	100
43) Isopropyl Acetate	6.47	43	339761	47.483	ug/l	100
44) Trichloroethene	7.22	130	150968	50.643	ug/l	95
45) 1,2-Dichloropropane	7.52	63	142522	49.151	ug/l	100
46) Dibromomethane	7.67	93	95973	48.824	ug/l	99
47) Bromodichloromethane	7.90	83	177319	49.877	ug/l	98
48) Methyl methacrylate	7.78	41	178129	49.559	ug/l	98
49) 1,4-Dioxane	7.76	88	71454	1063.236	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1152160	258.561	ug/l	99
52) Toluene	8.79	92	350130	51.253	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	206481	48.431	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	195703	48.654	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	144128	51.297	ug/l	99
56) Ethyl methacrylate	9.18	69	223844	49.901	ug/l	99
57) 1,3-Dichloropropane	9.38	76	236647	50.205	ug/l	100
59) 2-Hexanone	9.50	43	886789	257.647	ug/l	99
60) Dibromochloromethane	9.59	129	146335	51.780	ug/l	99
61) 1,2-Dibromoethane	9.68	107	149328	50.972	ug/l	98
64) Tetrachloroethene	9.34	164	163483	48.427	ug/l	97
65) Chlorobenzene	10.15	112	402678	49.439	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	147780	50.109	ug/l	100
67) Ethyl Benzene	10.26	91	699233	51.299	ug/l	99
68) m/p-Xylenes	10.37	106	543909	102.652	ug/l	99
69) o-Xylene	10.70	106	266916	50.620	ug/l	100
70) Styrene	10.71	104	444108	51.521	ug/l	99
71) Bromoform	10.86	173	113290	43.384	ug/l	100
73) Isopropylbenzene	11.02	105	725802	49.737	ug/l	99
74) N-amyl acetate	6.47	43	339761	43.210	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	219978	47.930	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	215875m	46.899	ug/l	
77) Bromobenzene	11.26	156	196412	47.944	ug/l	99
78) n-propylbenzene	11.37	91	829503	51.143	ug/l	100
79) 2-Chlorotoluene	11.43	91	489334	47.780	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	620250	49.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	54498	41.503	ug/l	95
82) 4-Chlorotoluene	11.51	91	582162	49.247	ug/l	100
83) tert-Butylbenzene	11.77	119	620394	50.901	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	643570	49.950	ug/l	100
85) sec-Butylbenzene	11.95	105	749871	52.480	ug/l	100
86) p-Isopropyltoluene	12.07	119	675410	51.894	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	361342	49.330	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	365787	48.447	ug/l	99
89) n-Butylbenzene	12.39	91	578114	52.962	ug/l	100
90) Hexachloroethane	12.60	117	98086	47.211	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	371539	49.023	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49589	49.408	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	265190	49.902	ug/l	100

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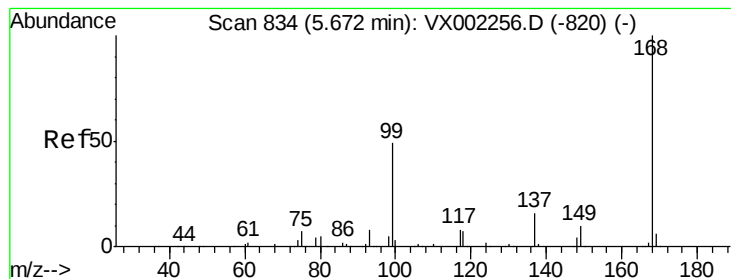
Manual Integrations
APPROVED

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	140123	53.359	ug/l	98
95) Naphthalene	13.84	128	782060	51.219	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	272490	50.278	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 168 Resp: 227719

Ion Ratio Lower Upper

168 100

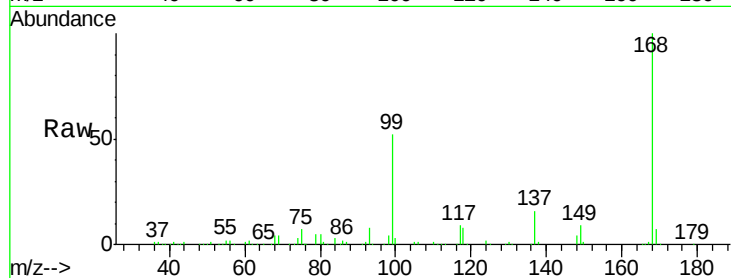
99 51.5 39.3 58.9

Manual Integrations

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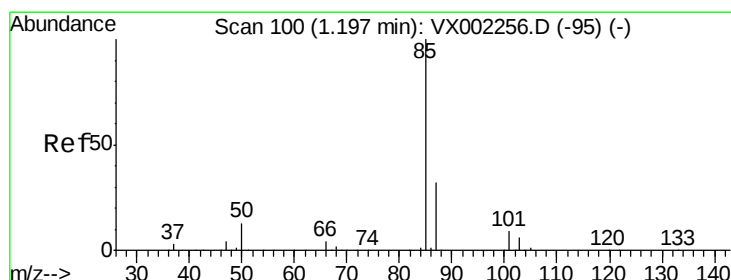
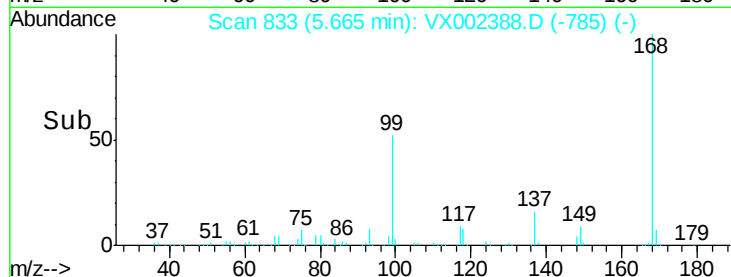
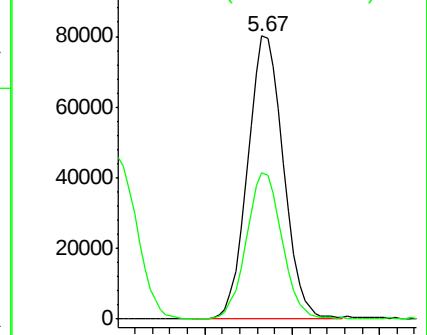
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.215 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002388.D

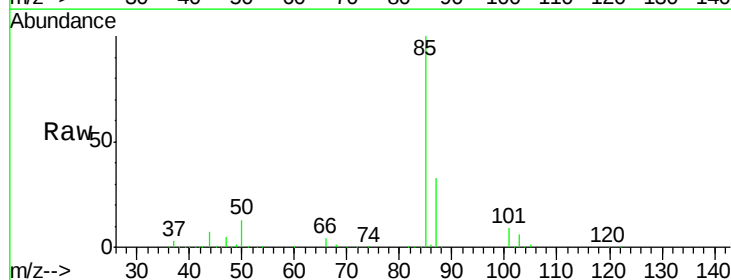
Acq: 07 Jun 2018 19:53

Tgt Ion: 85 Resp: 116502

Ion Ratio Lower Upper

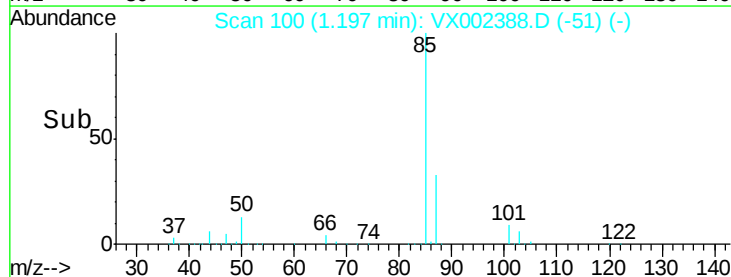
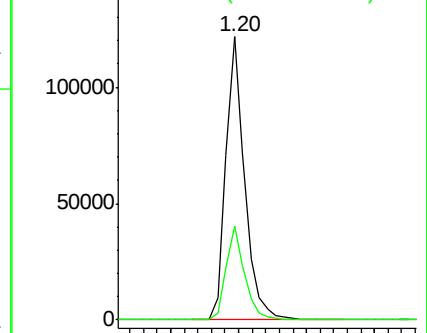
85 100

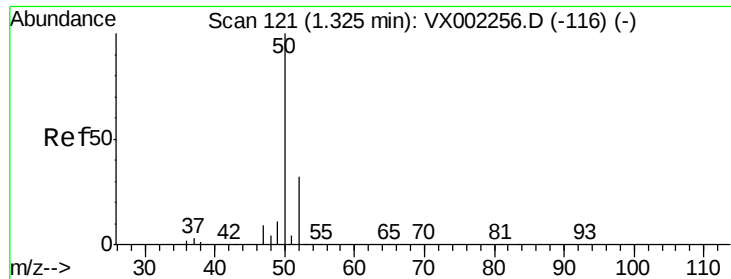
87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.308 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

Tgt Ion: 50 Resp: 133850

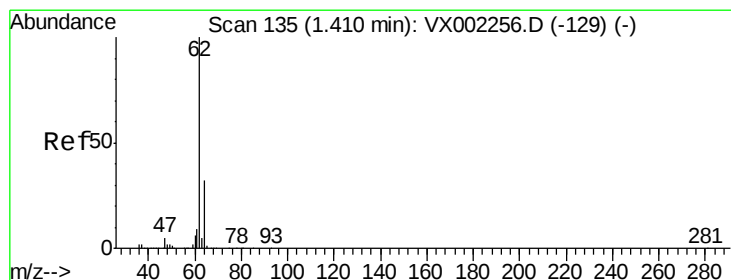
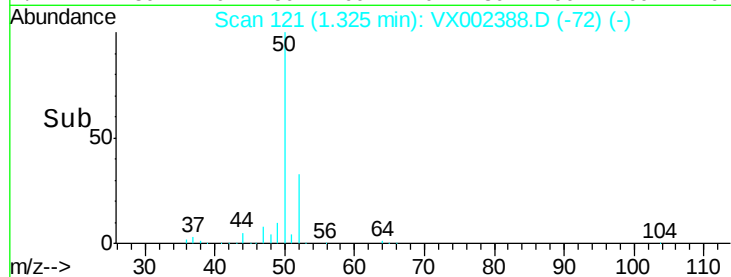
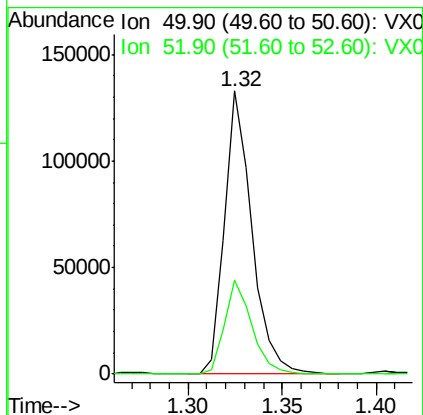
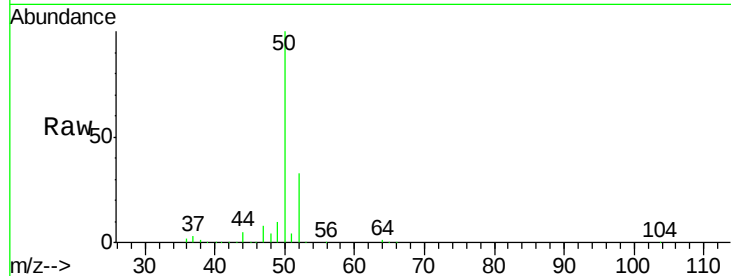
Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.331 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002388.D

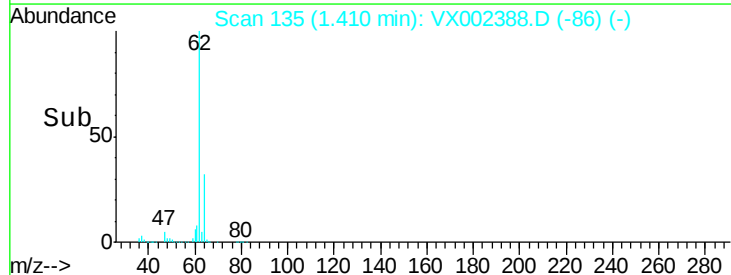
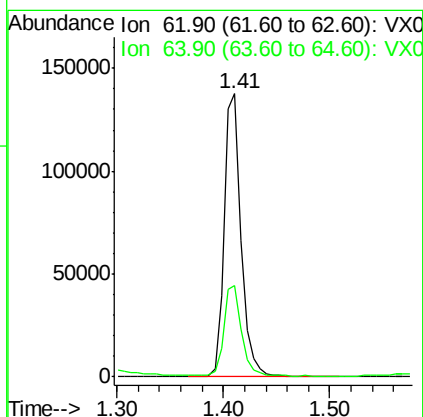
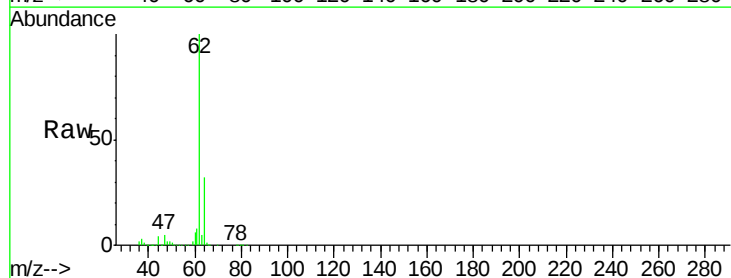
Acq: 07 Jun 2018 19:53

Tgt Ion: 62 Resp: 153141

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 48.386 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 94 Resp: 81875

Ion Ratio Lower Upper

94 100

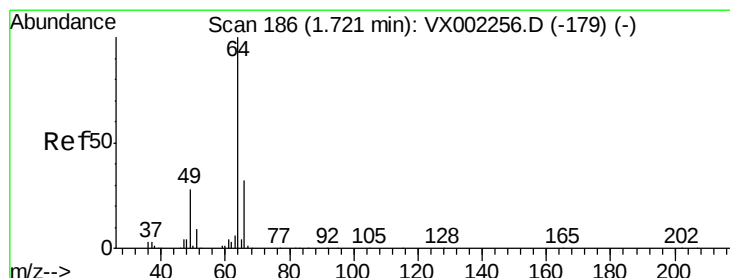
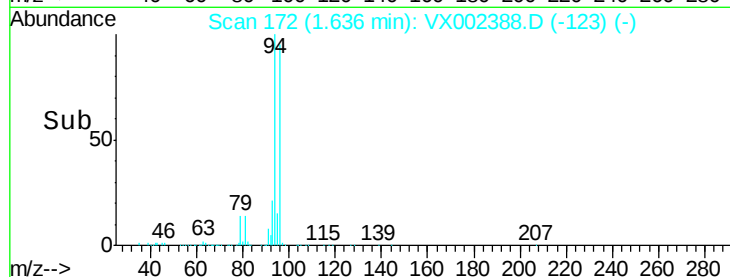
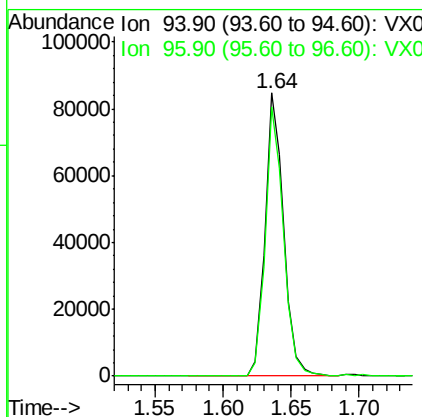
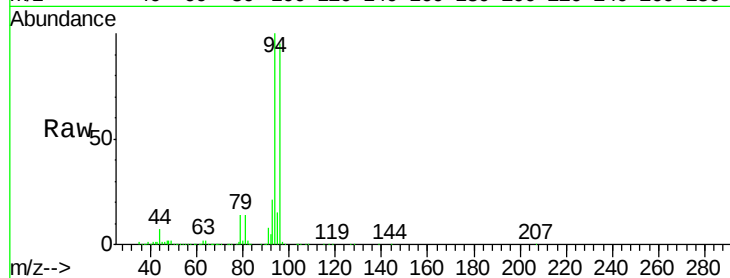
96 95.2 74.9 112.3

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 52.285 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002388.D

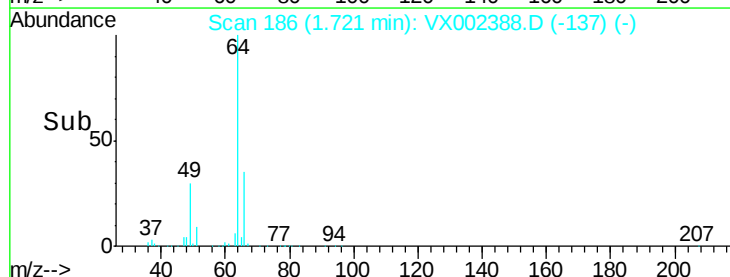
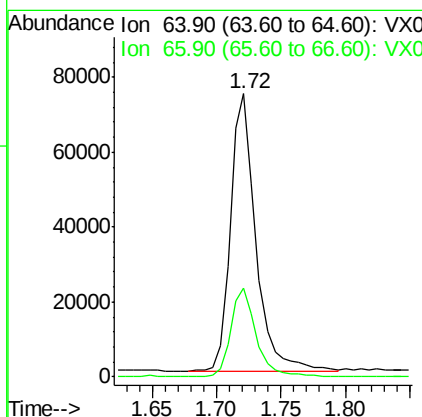
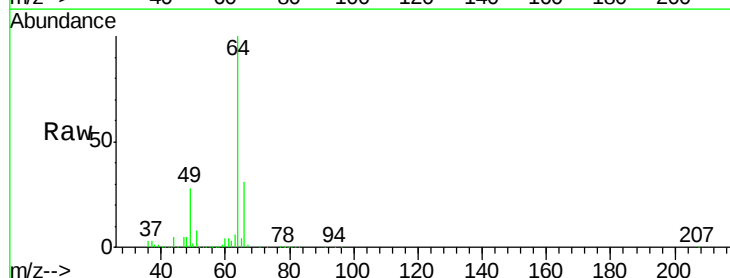
Acq: 07 Jun 2018 19:53

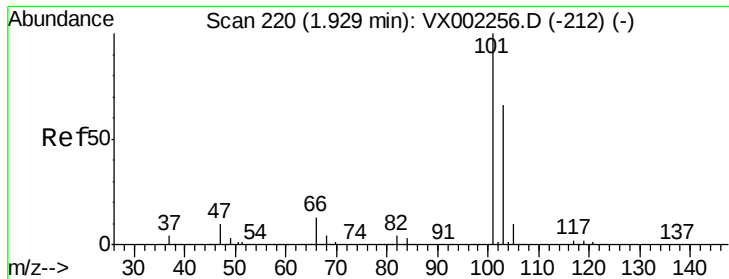
Tgt Ion: 64 Resp: 100903

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

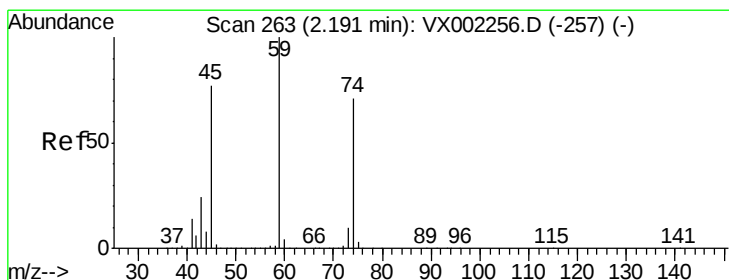
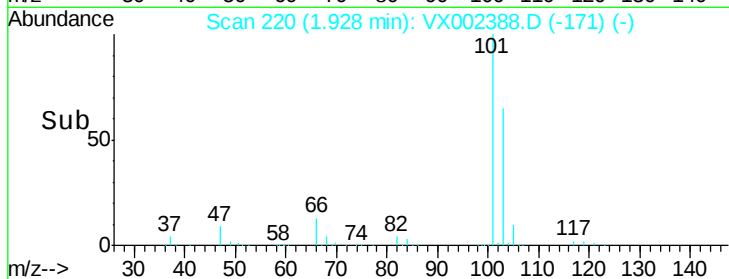
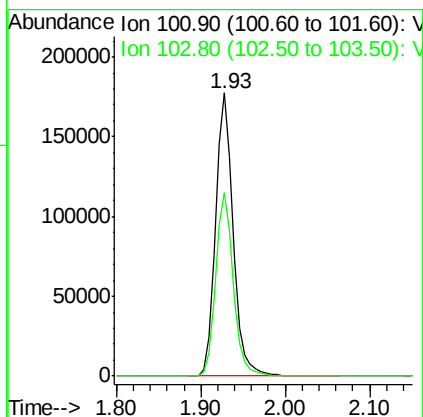
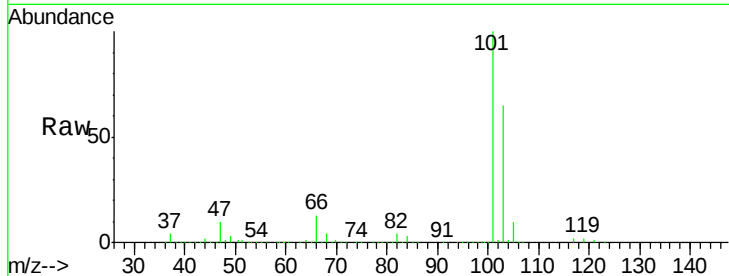
Trichlorofluoromethane
 Concen: 56.535 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.8	79.2

Manual Integrations
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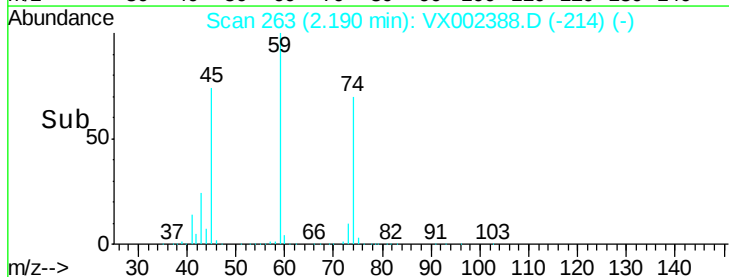
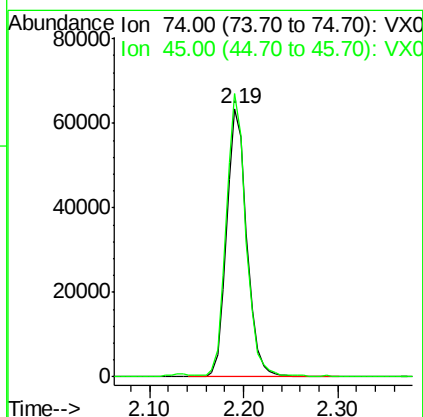
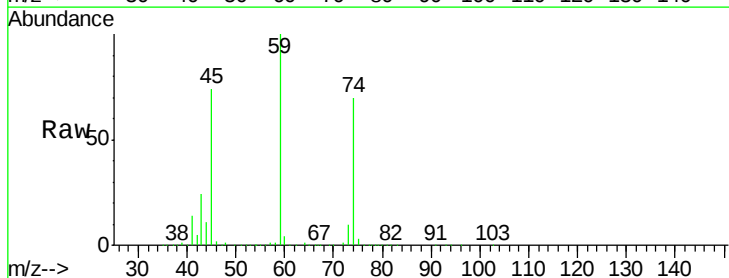
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 6/8/2018 1:20:28 PM

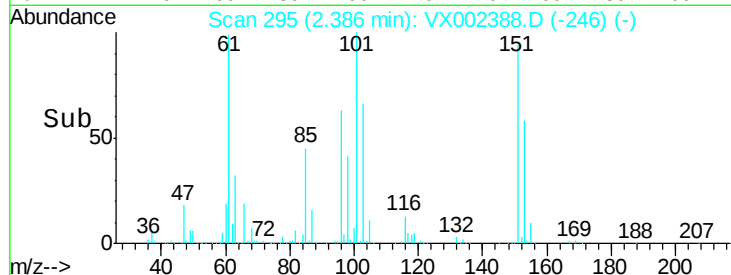
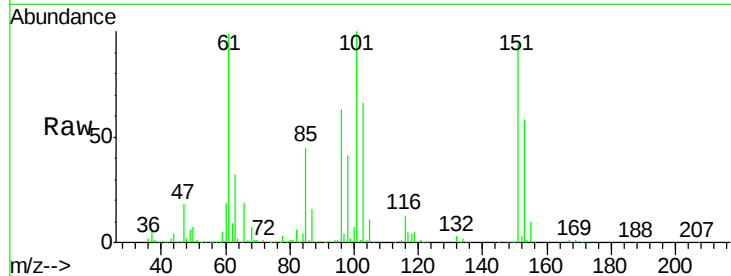
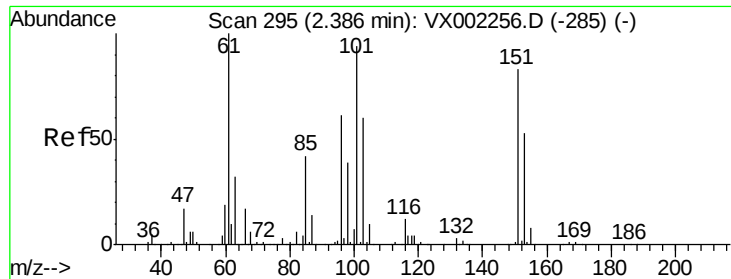


#8

Diethyl Ether
 Concen: 58.673 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.363 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

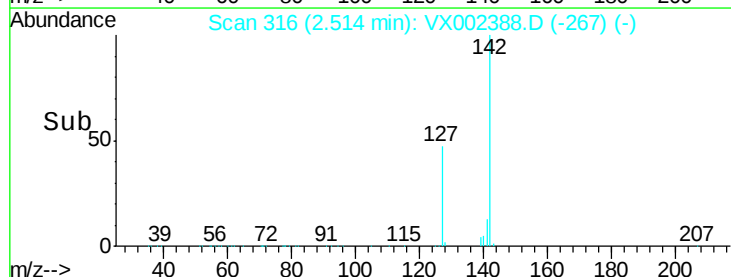
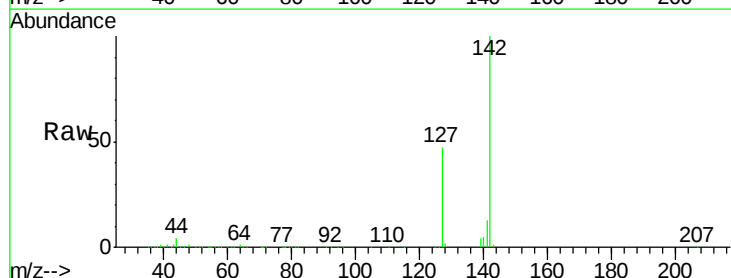
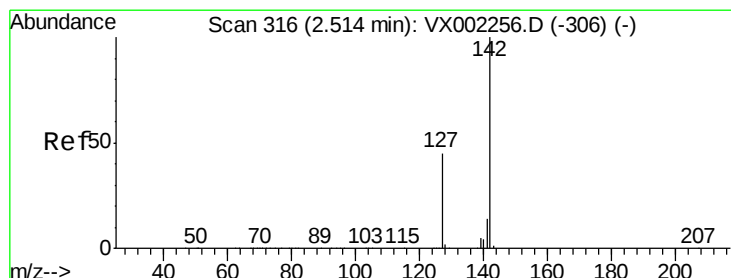
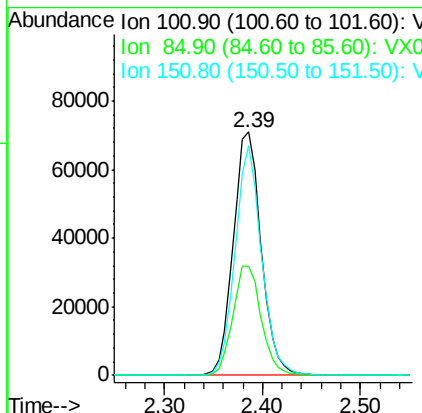
ClientSampleId :

LF5-0064MS

Tgt Ion:	101	Resp:	140713
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	89.6	70.9	106.3

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#10

Methyl Iodide

Concen: 40.237 ug/l

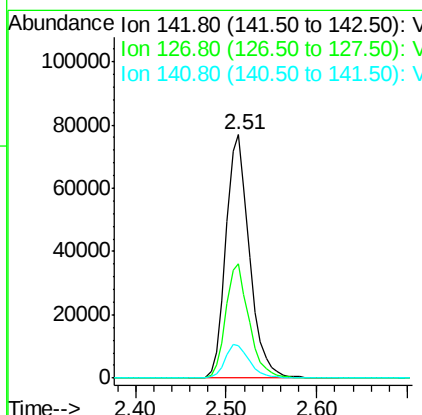
RT: 2.51 min Scan# 316

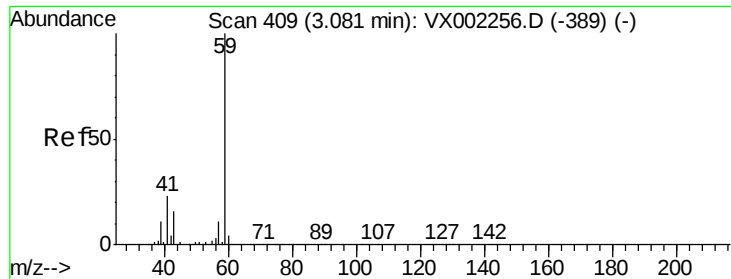
Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	142	Resp:	138829
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.6	55.0
141	14.2	11.3	16.9





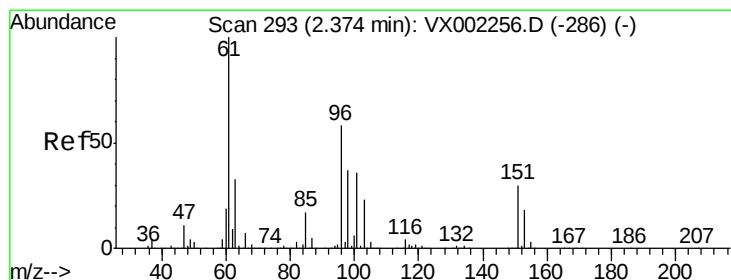
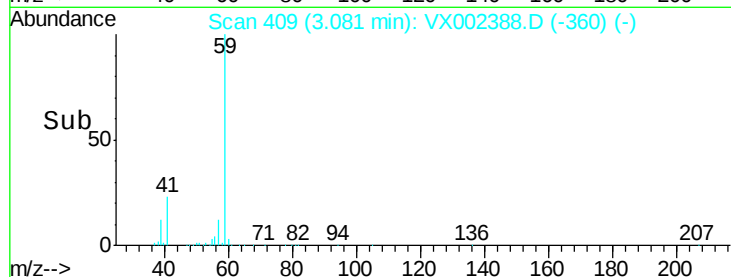
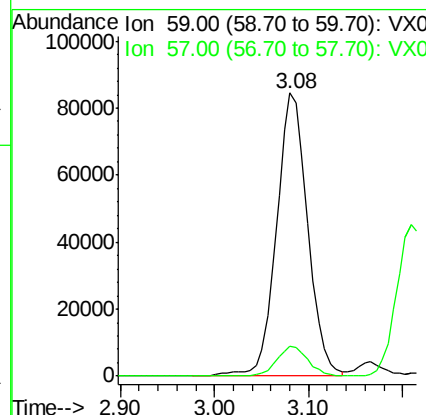
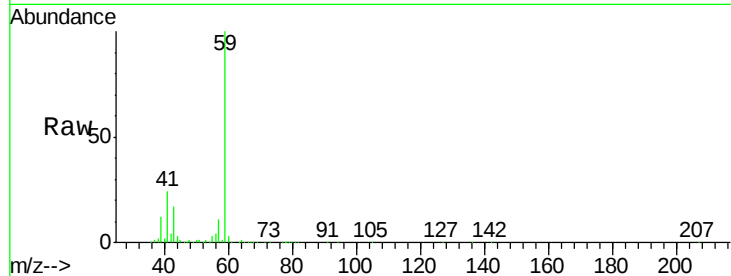
#11
Tert butyl alcohol
Concen: 297.440 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion: 59 Resp: 196001
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

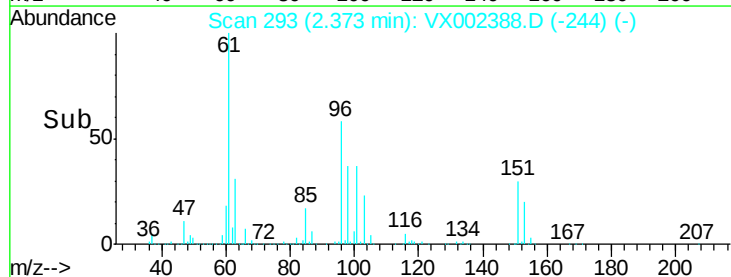
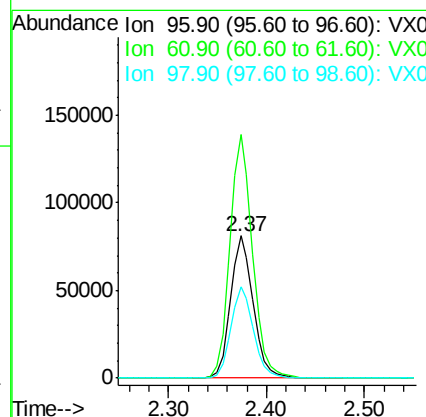
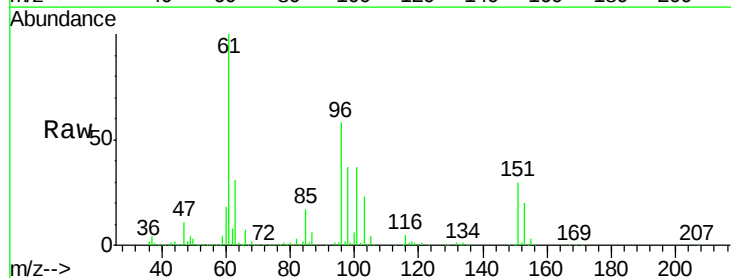
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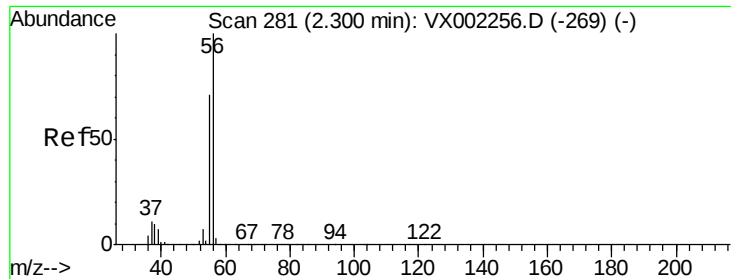
MMDadoda
6/8/2018 1:20:28 PM



#12
1,1-Dichloroethene
Concen: 53.530 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 96 Resp: 129769
Ion Ratio Lower Upper
96 100
61 171.2 137.9 206.9
98 64.0 51.6 77.4





#13

Acrolein

Concen: 205.474 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 56 Resp: 66998

Ion Ratio Lower Upper

56 100

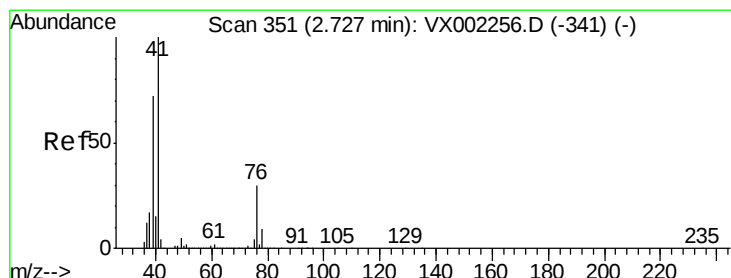
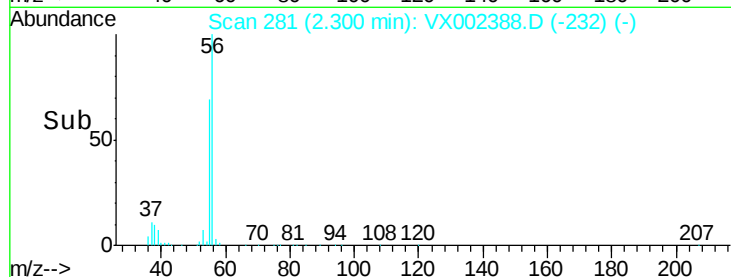
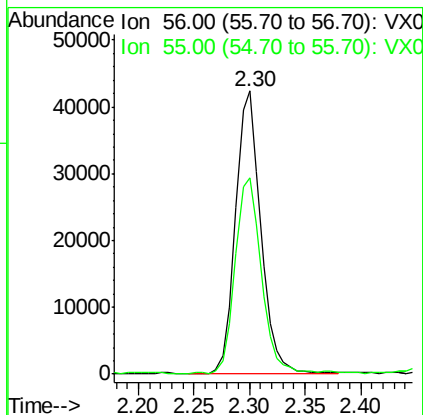
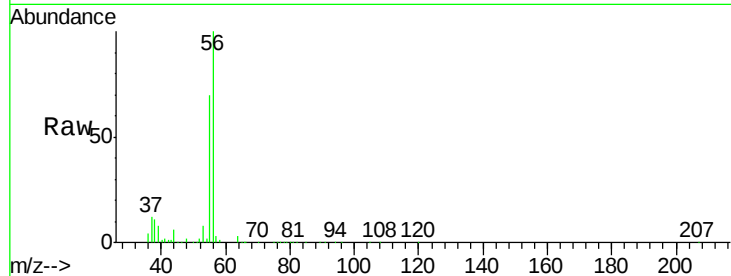
55 71.2 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 49.354 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

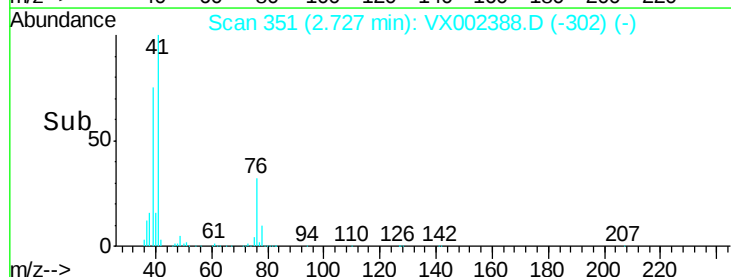
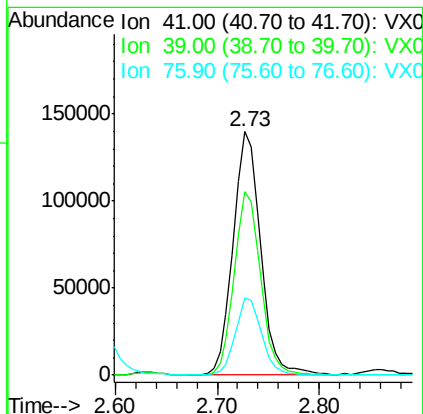
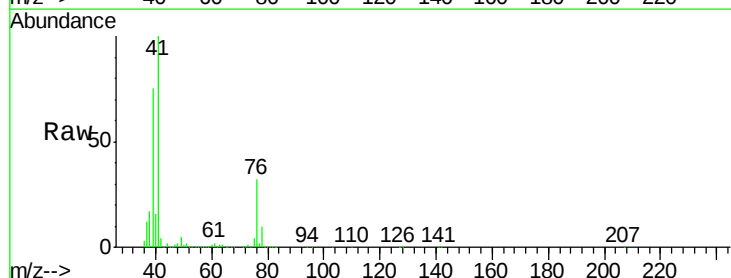
Tgt Ion: 41 Resp: 259652

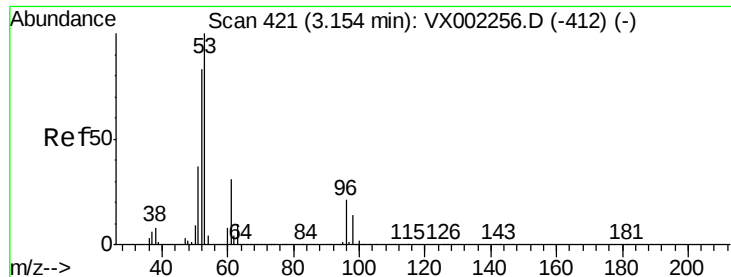
Ion Ratio Lower Upper

41 100

39 72.3 56.8 85.2

76 30.1 23.8 35.8





#15

Acrylonitrile

Concen: 298.496 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

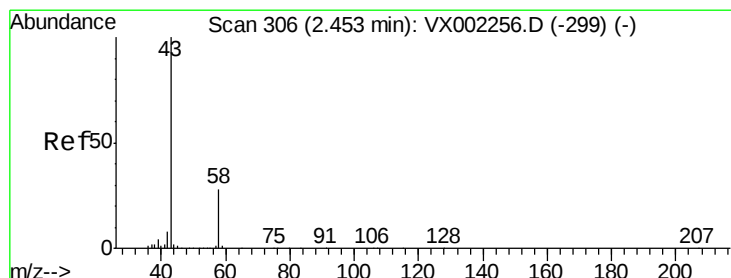
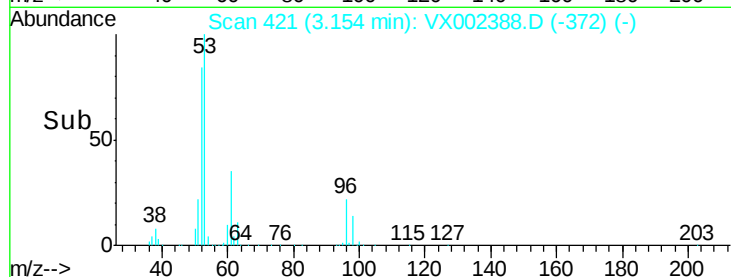
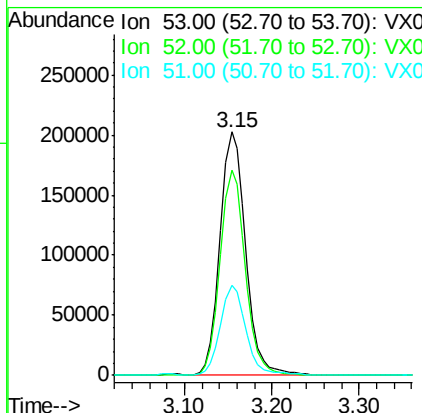
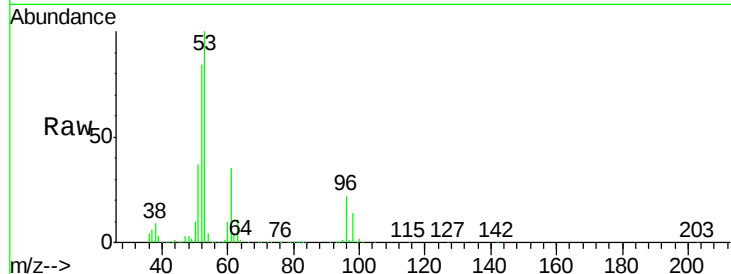
ClientSampled :

LF5-0064MS

Tgt Ion:	53	Resp:	411088
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	37.3	29.9	44.9

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#16

Acetone

Concen: 279.411 ug/l

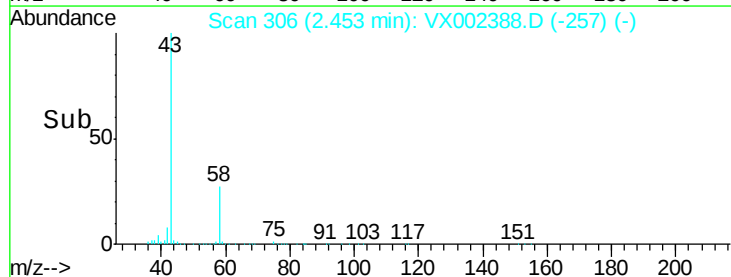
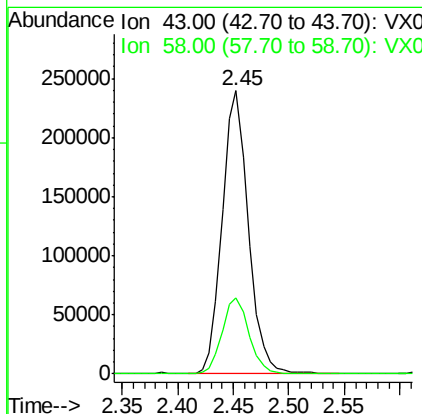
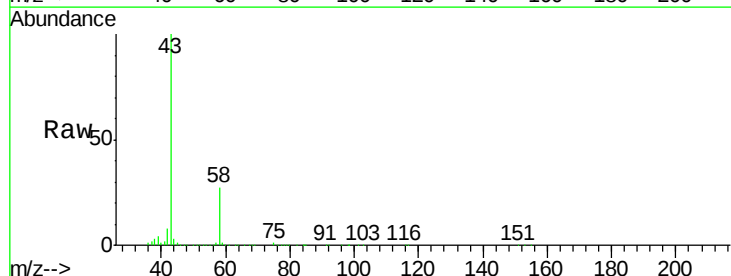
RT: 2.45 min Scan# 306

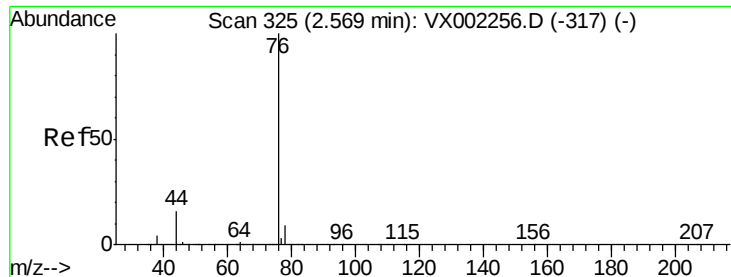
Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	43	Resp:	388157
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.1	33.1





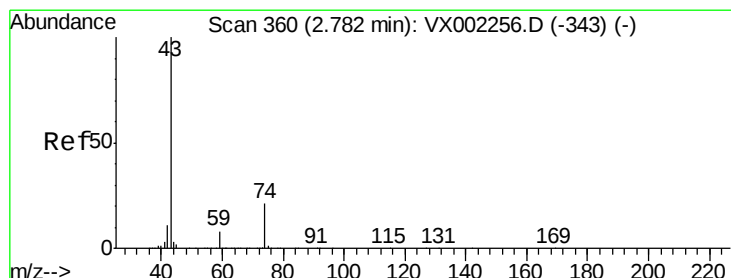
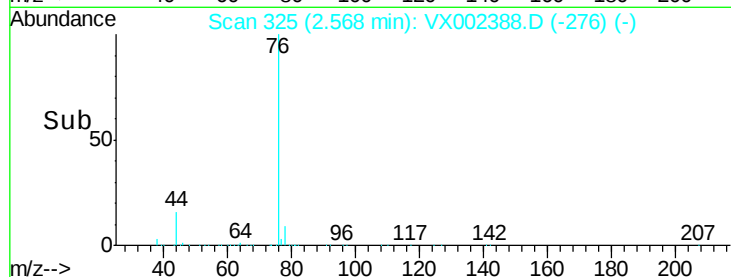
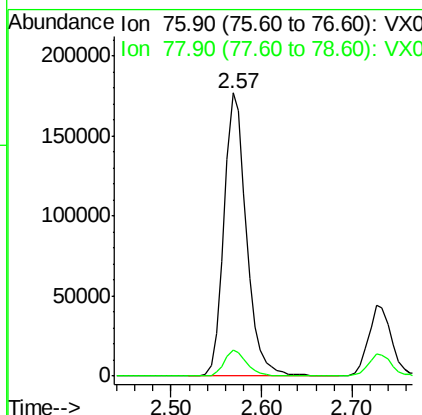
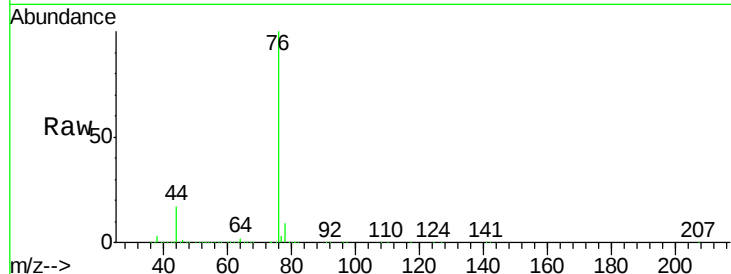
#17
Carbon Disulfide
Concen: 47.594 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

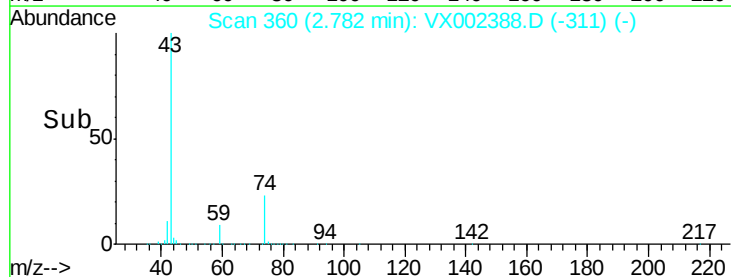
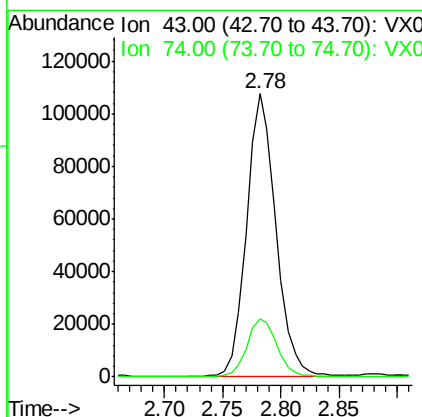
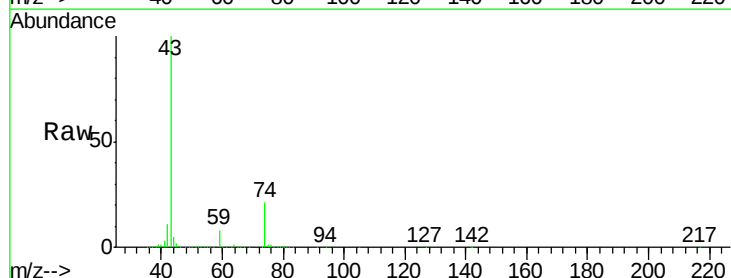
Manual Integrations
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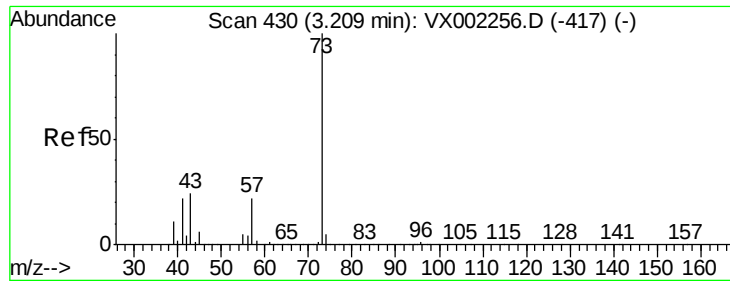
MMDadoda
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#18
Methyl Acetate
Concen: 57.931 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1





#19

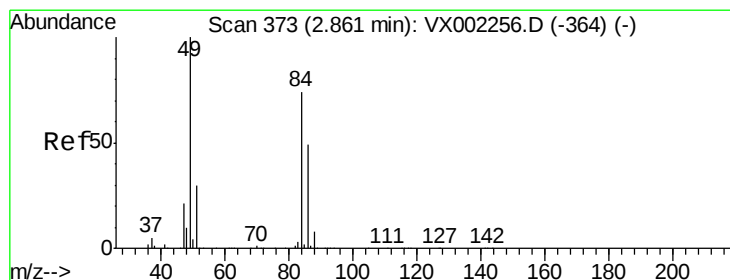
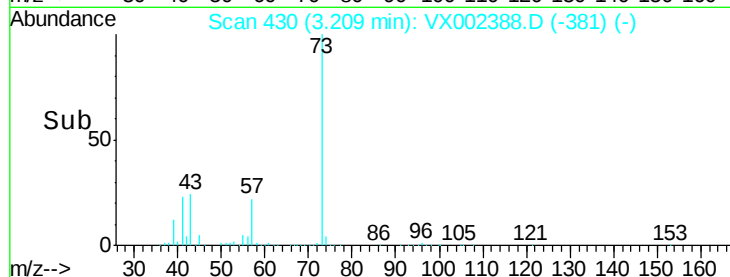
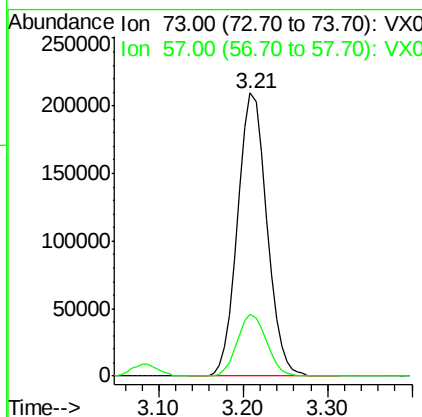
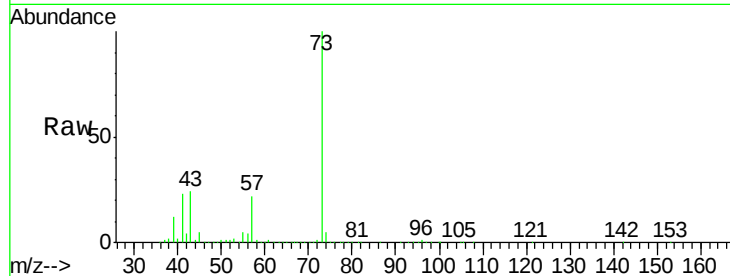
Methyl tert-butyl Ether
 Concen: 58.704 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

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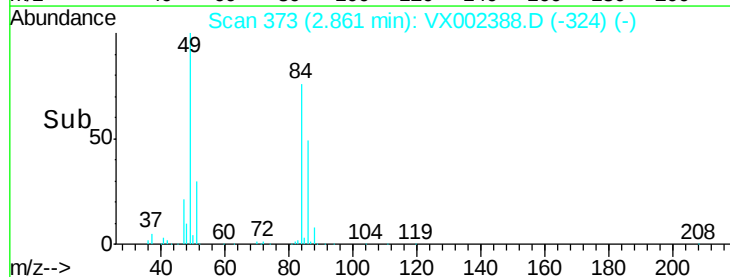
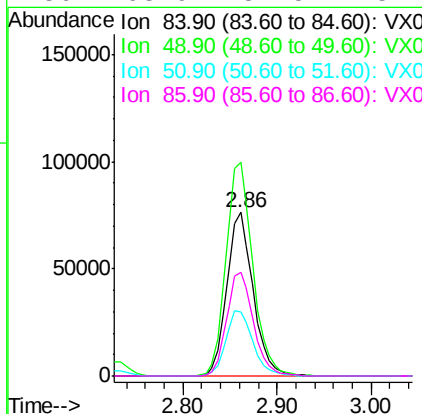
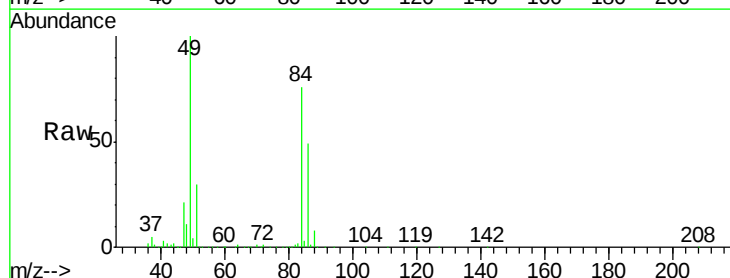
MMDadoda
 6/8/2018 1:20:28 PM

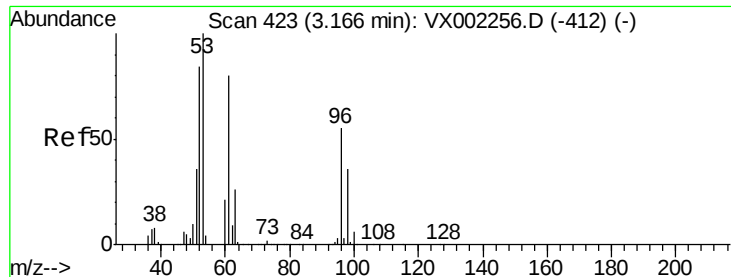


#20

Methylene Chloride
 Concen: 57.512 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	107.8	161.6
51	39.4	32.8	49.2
86	63.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 51.782 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

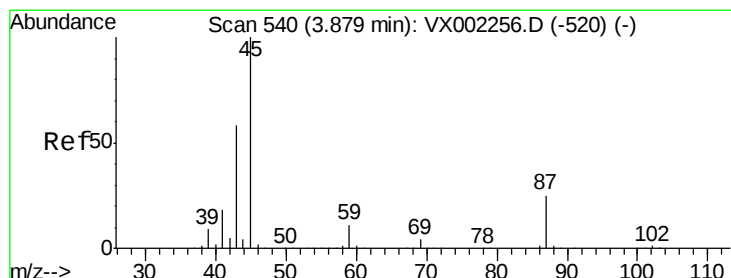
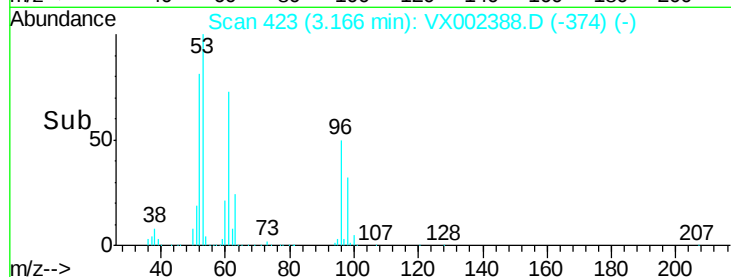
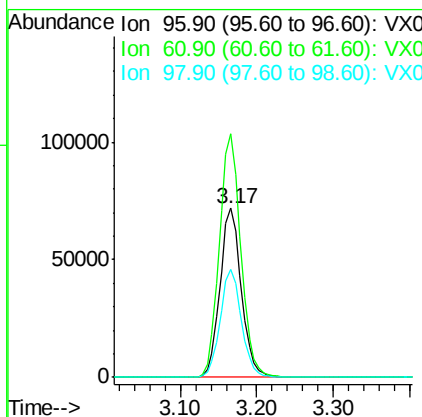
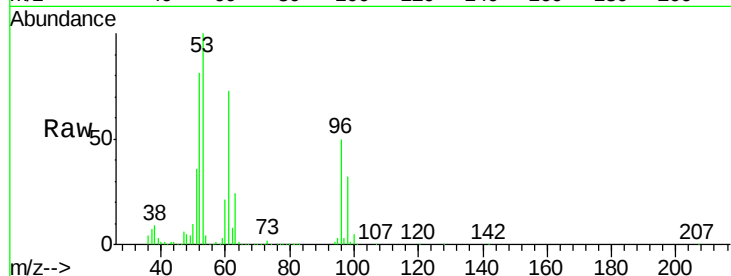
ClientSampleId :

LF5-0064MS

Tgt Ion:	96	Resp:	138431
Ion	Ratio	Lower	Upper
96	100		
61	144.0	117.0	175.4
98	63.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.295 ug/l

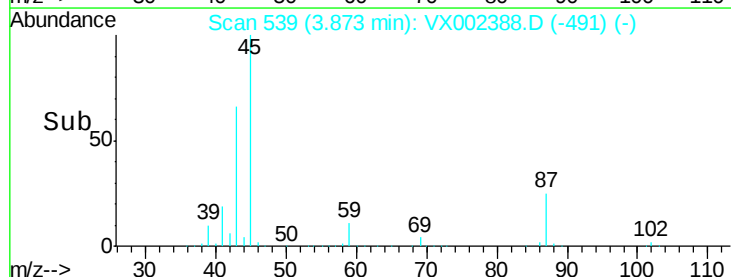
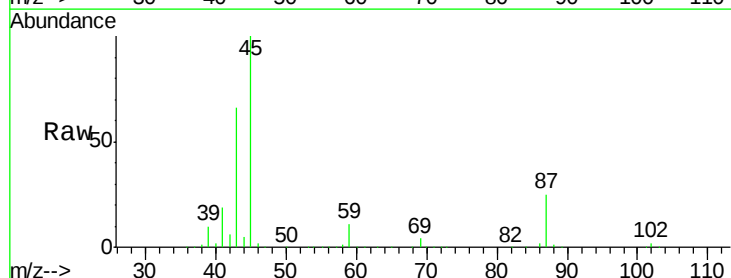
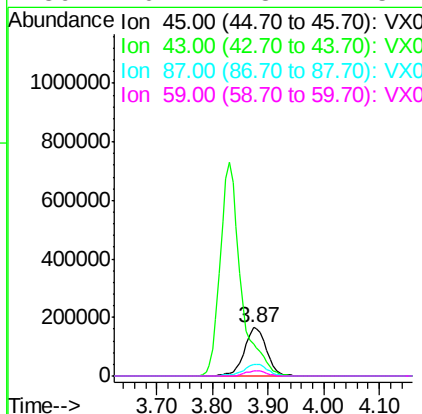
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	45	Resp:	459022
Ion	Ratio	Lower	Upper
45	100		
43	66.1	46.8	70.2
87	25.4	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 220.397 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 43 Resp: 1879673

Ion Ratio Lower Upper

43 100

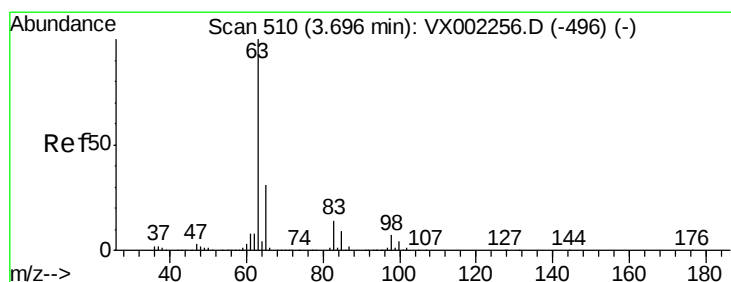
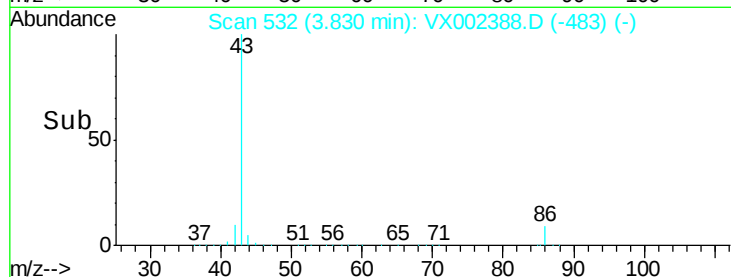
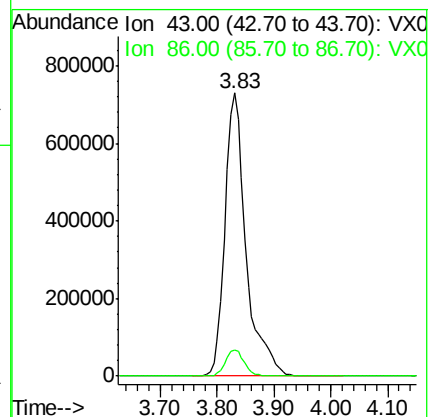
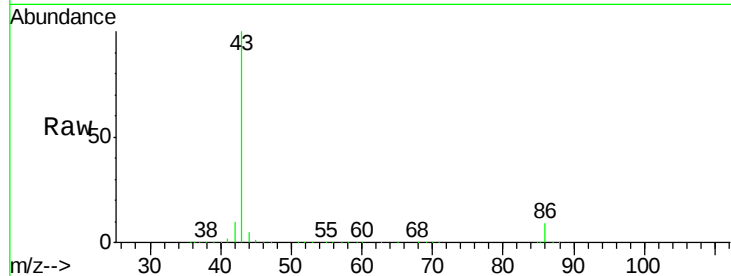
86 9.1 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.384 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

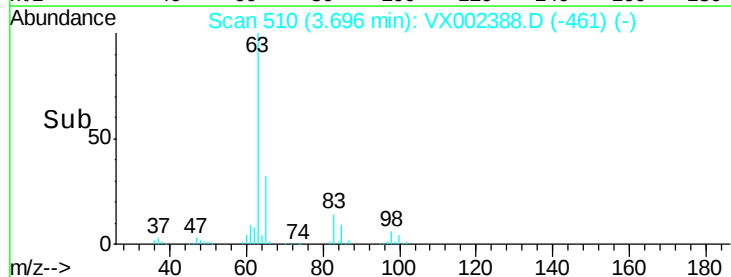
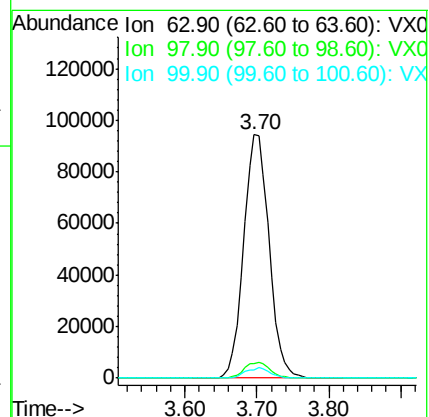
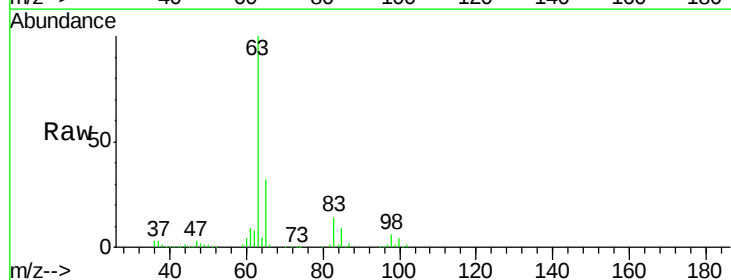
Tgt Ion: 63 Resp: 230785

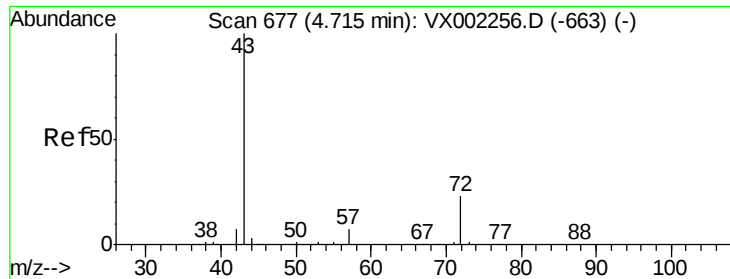
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 237.966 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 43 Resp: 531324

Ion Ratio Lower Upper

43 100

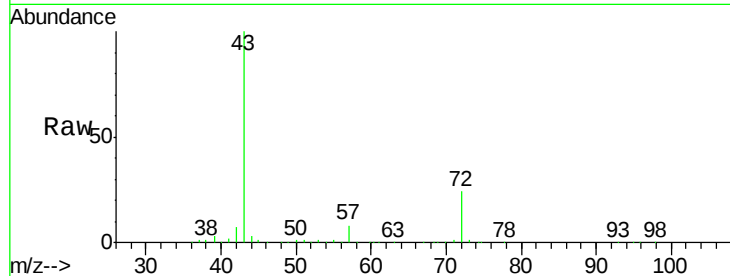
72 23.6 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

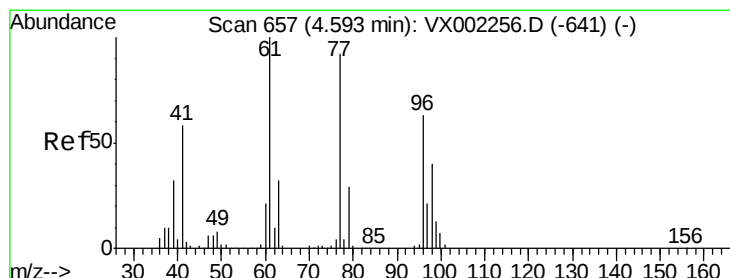
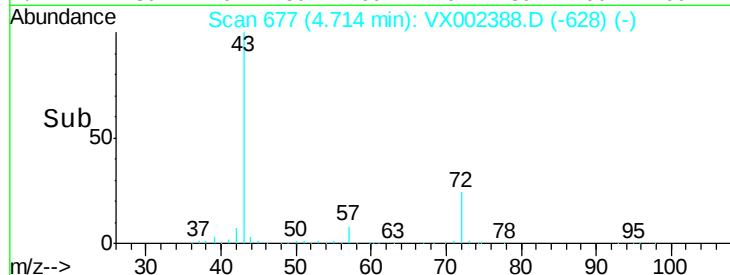
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.592 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002388.D

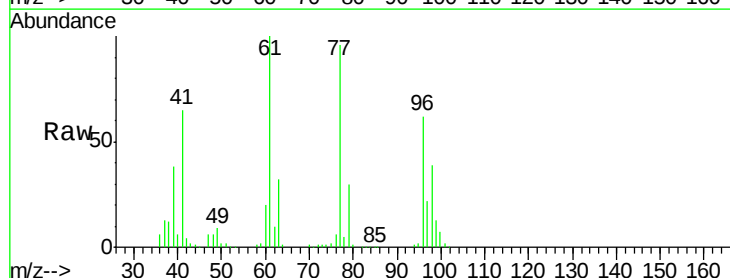
Acq: 07 Jun 2018 19:53

Tgt Ion: 77 Resp: 169050

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

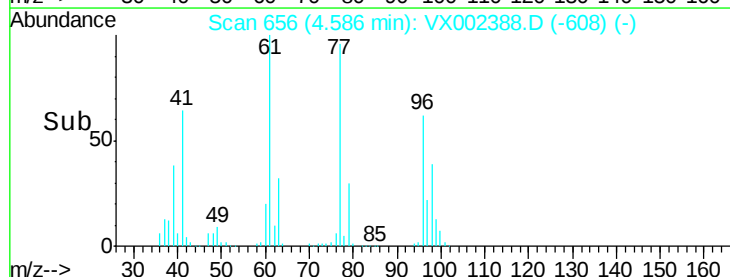
20000

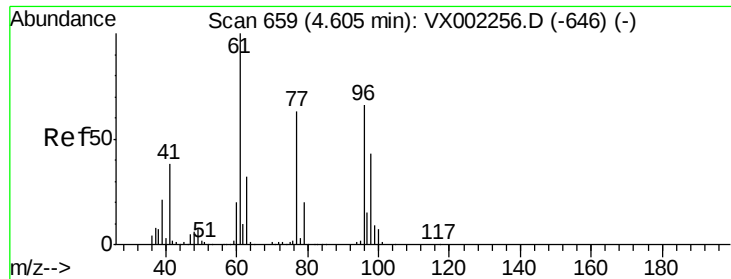
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

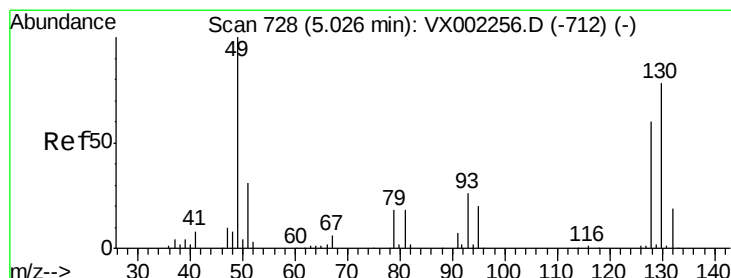
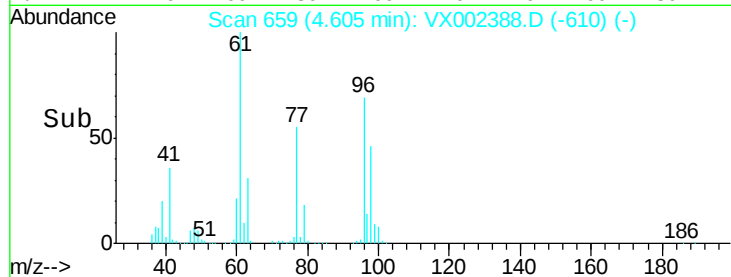
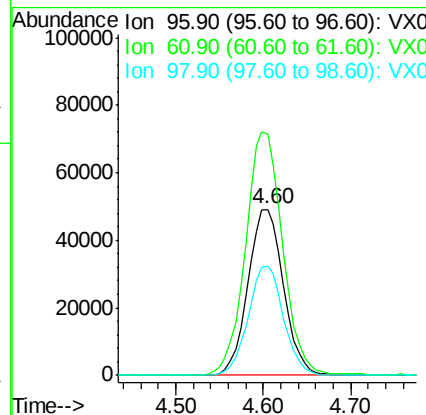
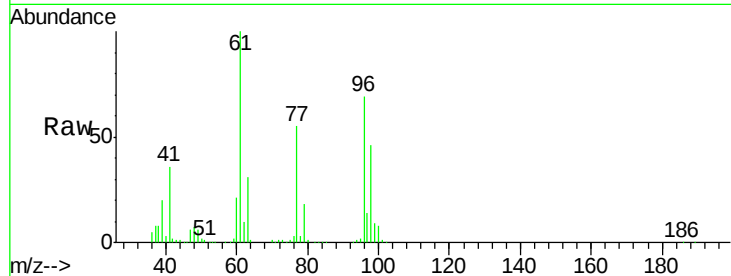
cis-1,2-Dichloroethene
Concen: 47.538 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	138208		
61	154.1	0.0	330.2	
98	65.8	0.0	130.2	

Manual Integrations
APPROVED

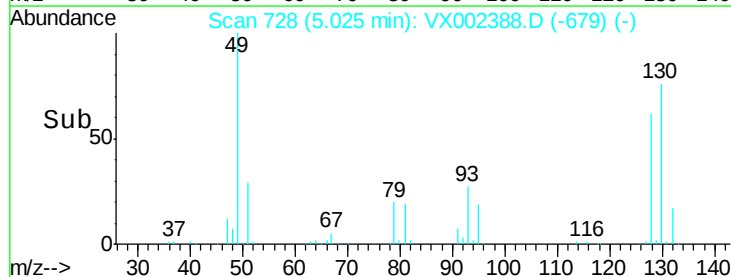
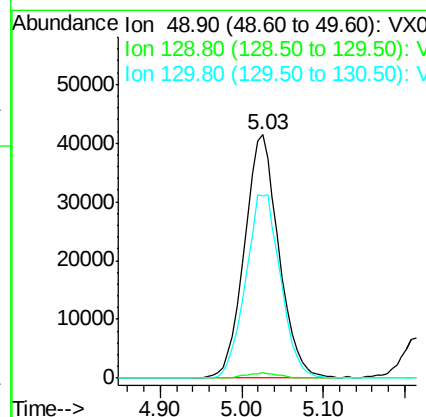
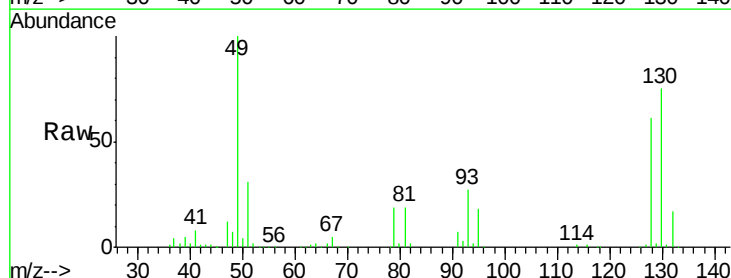
MMDadoda
6/8/2018 1:20:28 PM

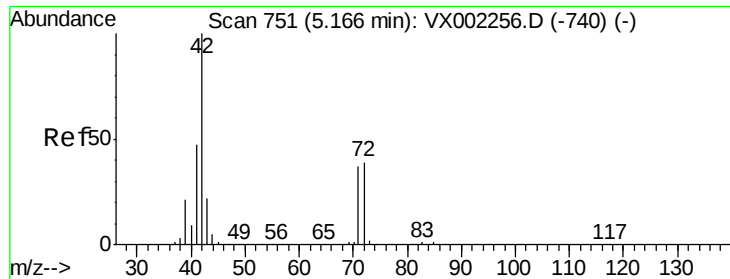


#28

Bromochloromethane
Concen: 55.147 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121145		
129	2.1	0.0	4.2	
130	76.9	61.2	91.8	





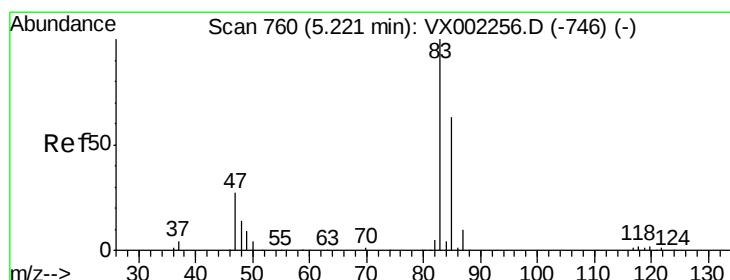
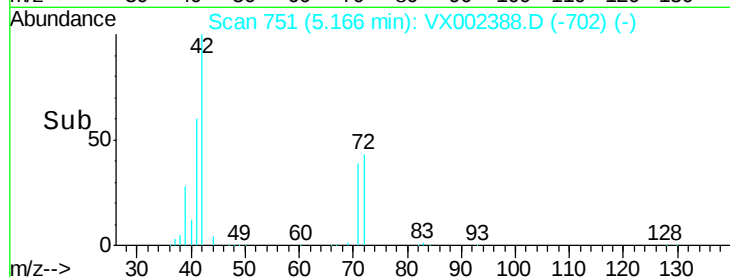
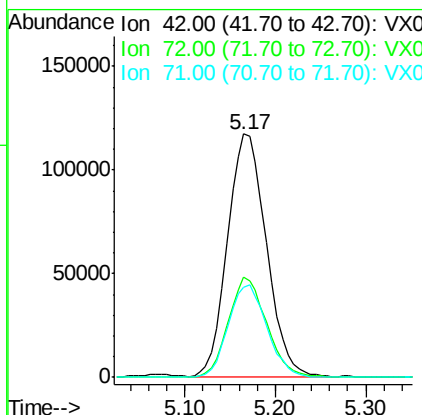
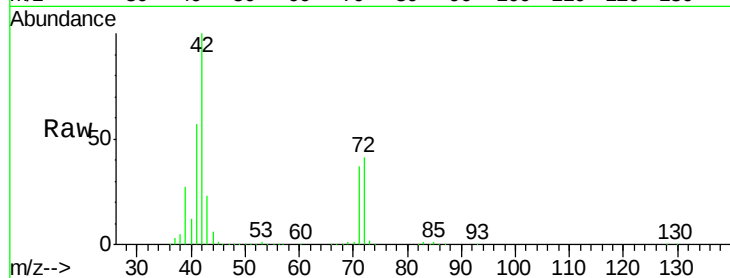
#29
Tetrahydrofuran
Concen: 241.609 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
42	100		
72	40.9	32.0	48.0
71	38.2	30.1	45.1

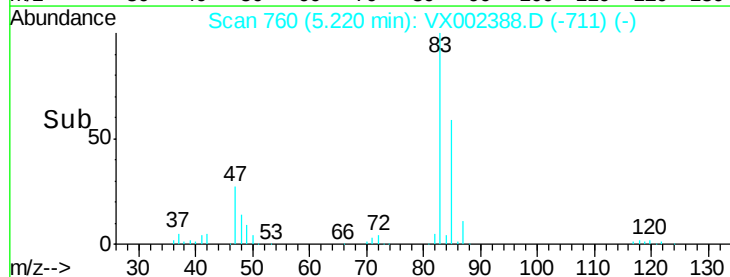
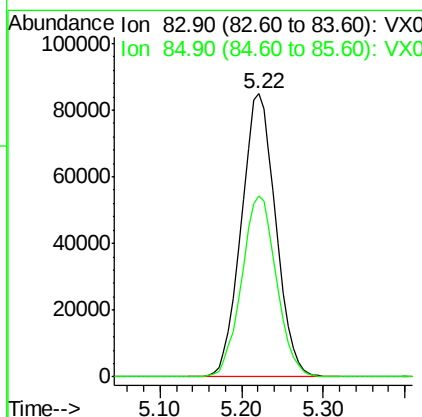
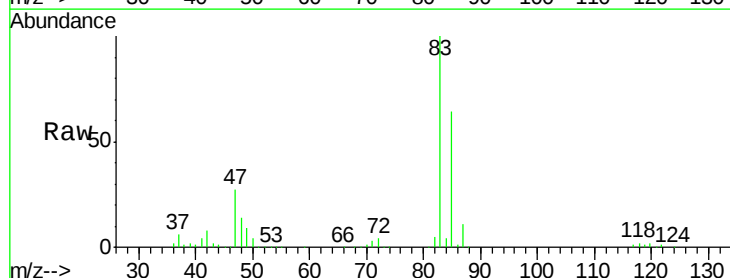
Manual Integrations
APPROVED

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6/8/2018 1:20:28 PM



#30
Chloroform
Concen: 49.544 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	64.1	50.4	75.6





#31

Cyclohexane

Concen: 50.453 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

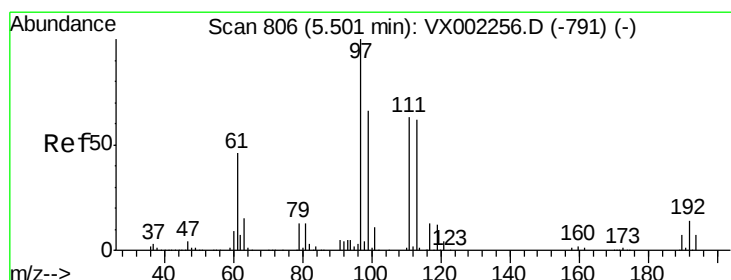
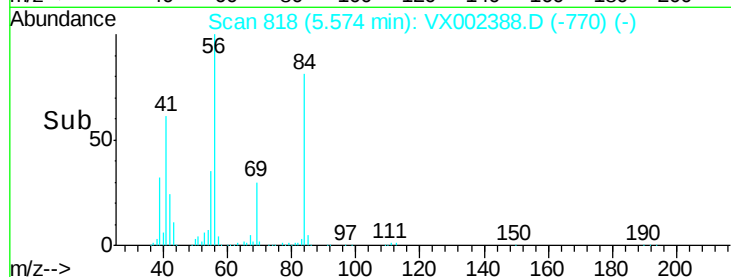
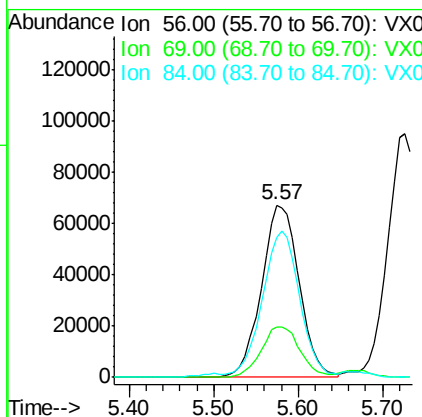
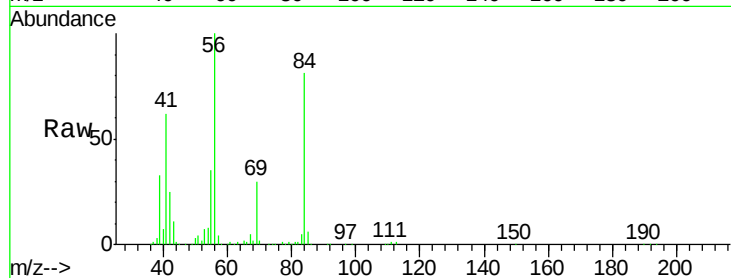
ClientSampleId :

LF5-0064MS

Tgt Ion:	56	Resp:	207445
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	80.5	64.1	96.1

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 50.607 ug/l

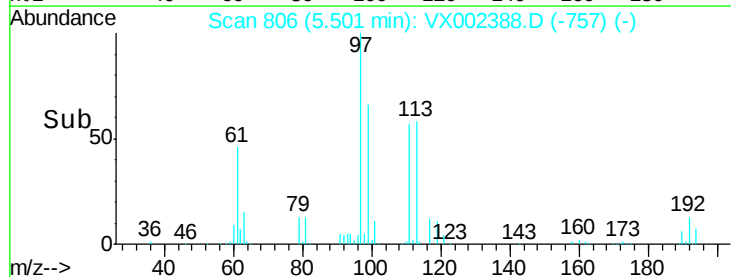
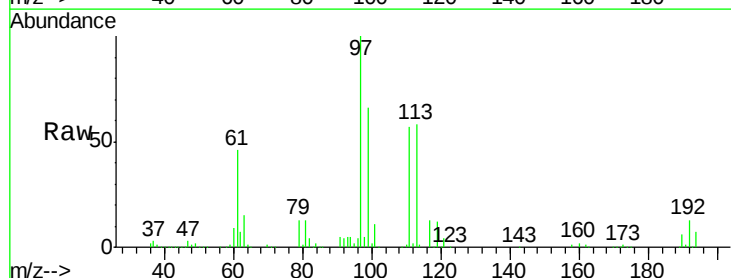
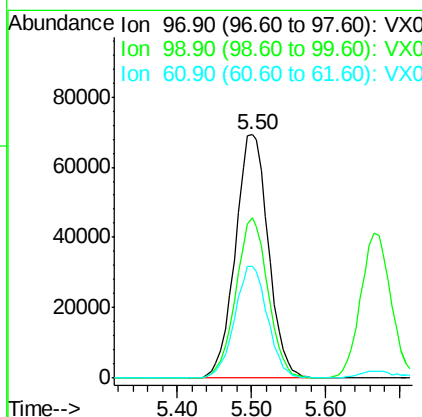
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	97	Resp:	215344
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	45.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 49.275 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 65 Resp: 160621

Ion Ratio Lower Upper

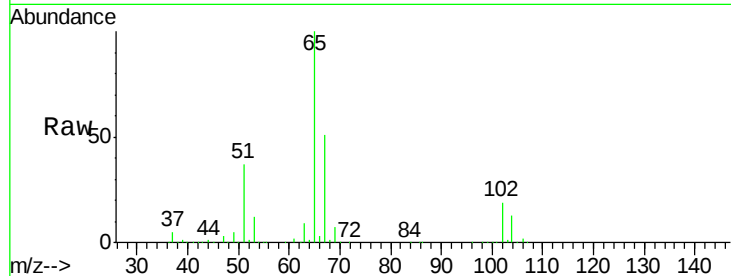
65 100

67 51.8 0.0 102.6

Manual Integrations
APPROVED

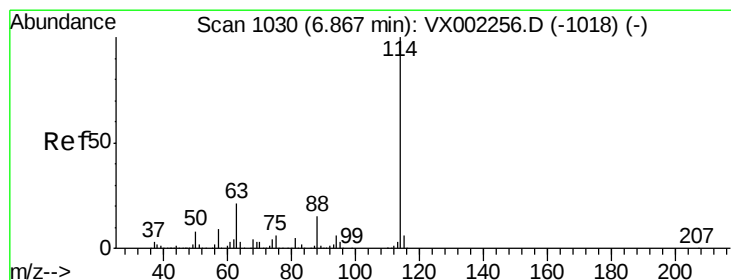
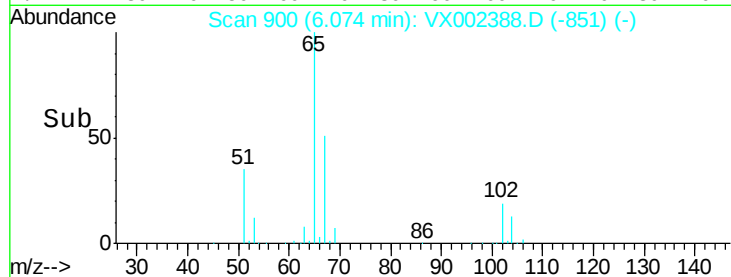
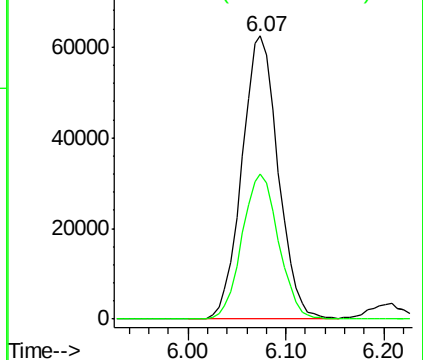
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

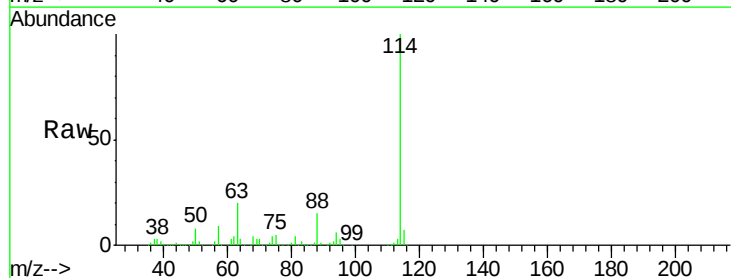
Tgt Ion: 114 Resp: 333215

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

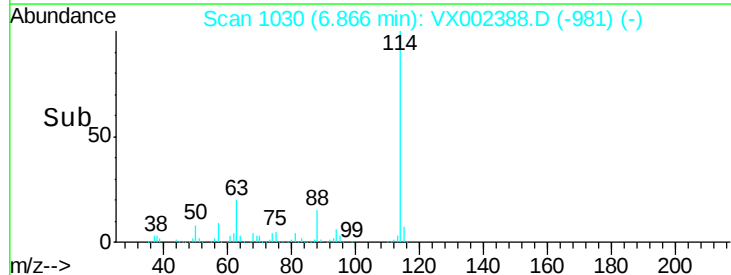
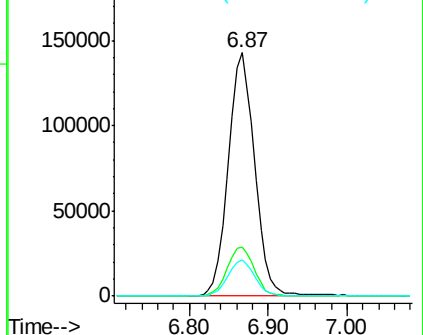
88 14.9 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





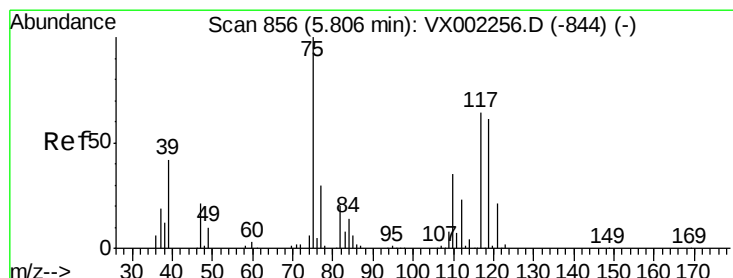
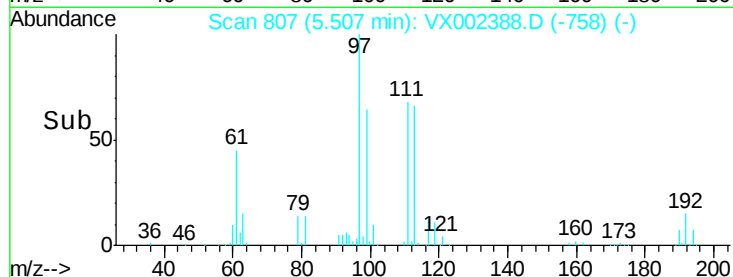
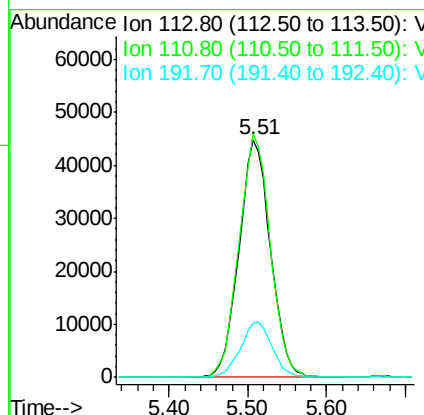
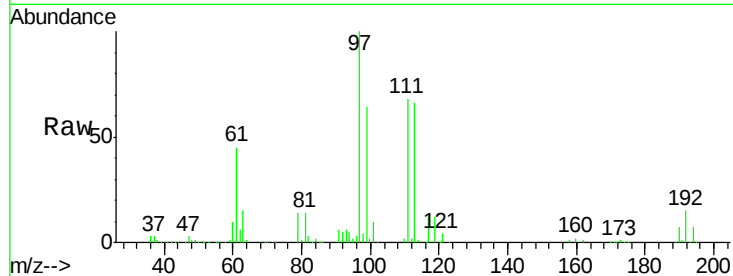
#35
Dibromofluoromethane
Concen: 47.543 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	124584		
111	101.9	81.4	122.0	
192	23.4	19.1	28.7	

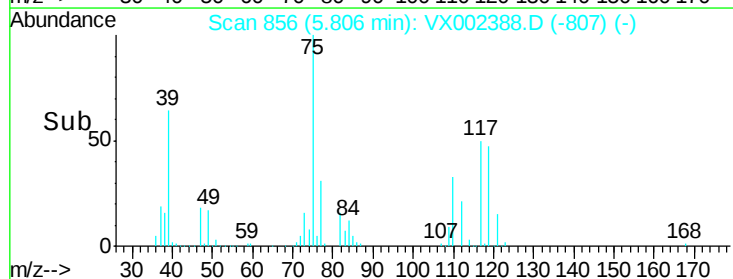
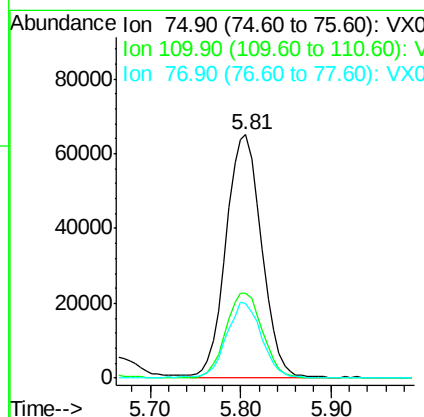
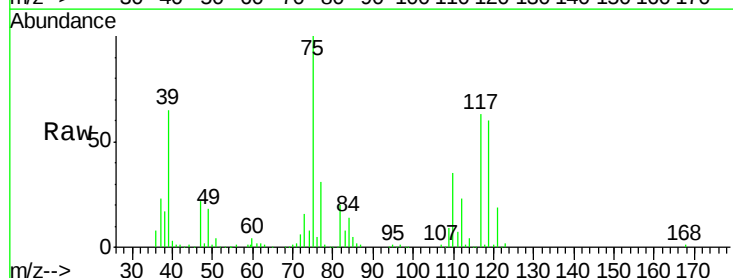
Manual Integrations
APPROVED

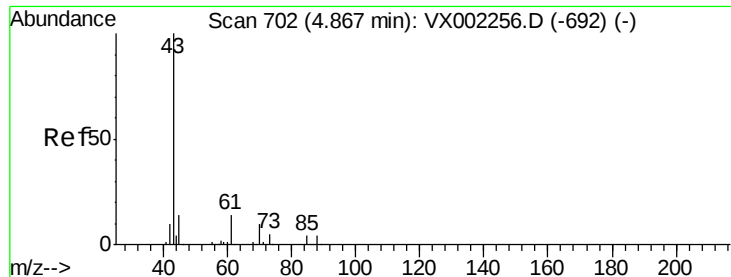
MMDadoda
6/8/2018 1:20:28 PM



#36
1,1-Dichloropropene
Concen: 50.453 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176740		
110	36.3	18.1	54.4	
77	31.3	24.3	36.5	





#37

Ethyl Acetate

Concen: 47.352 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

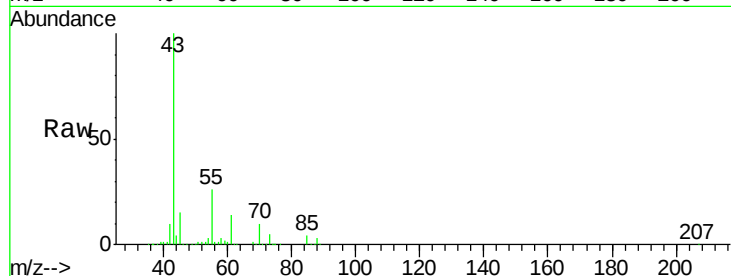
ClientSampled :

LF5-0064MS

Tgt Ion:	43	Resp:	199485
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.6	7.6	11.4

Manual Integrations
APPROVED

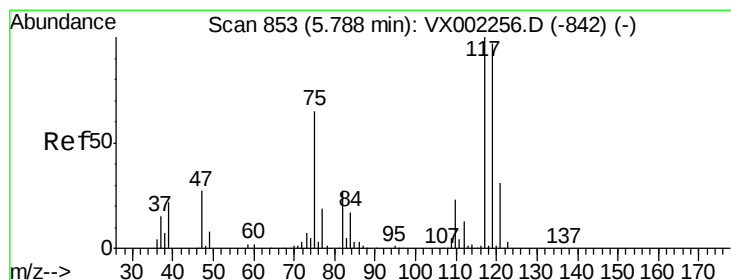
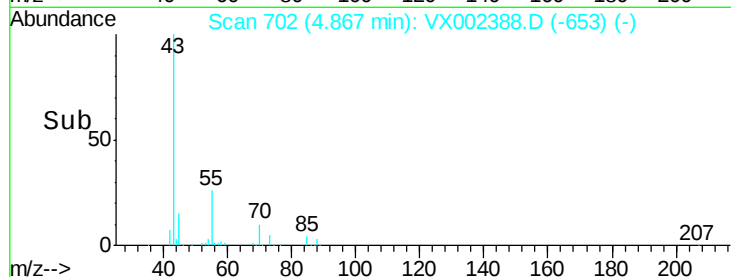
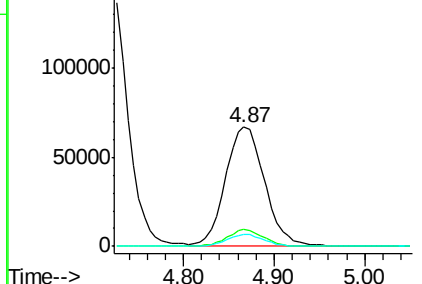
MMDadoda
6/8/2018 1:20:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VX002256.D (-692) (-)

Ion 60.90 (60.60 to 61.60): VX002256.D (-692) (-)

Ion 70.00 (69.70 to 70.70): VX002256.D (-692) (-)



#38

Carbon Tetrachloride

Concen: 51.199 ug/l

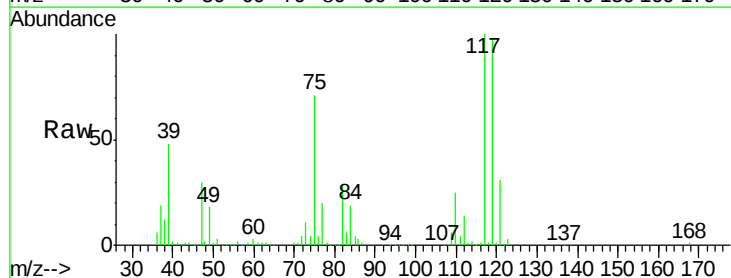
RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

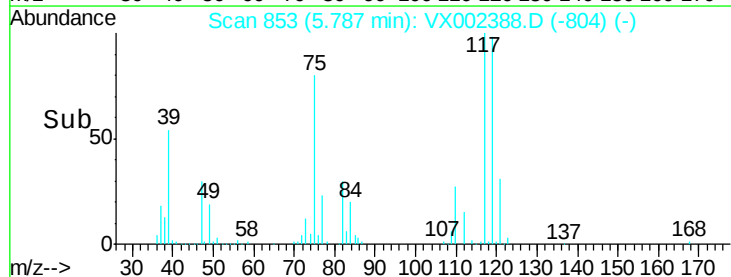
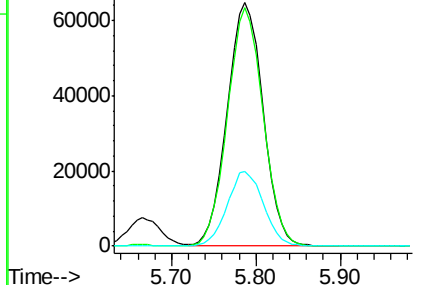
Tgt Ion:	117	Resp:	187630
Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.0
121	30.9	24.4	36.6

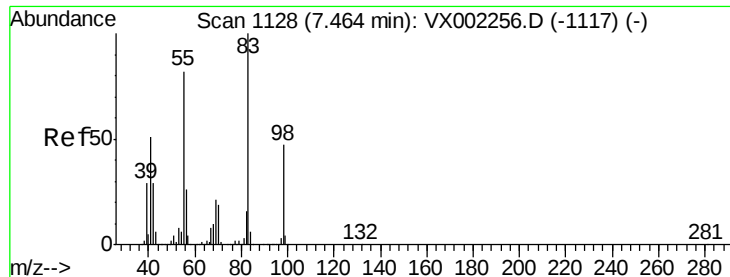


Abundance Ion 116.80 (116.50 to 117.50): VX002256.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX002256.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX002256.D (-842) (-)





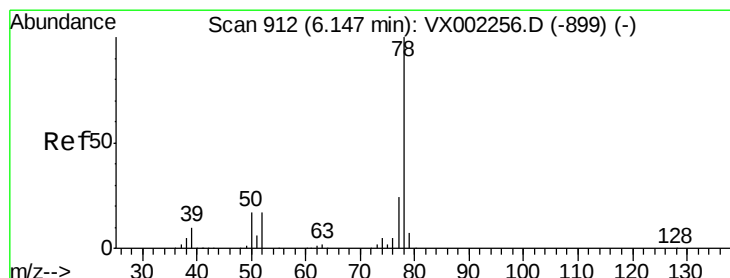
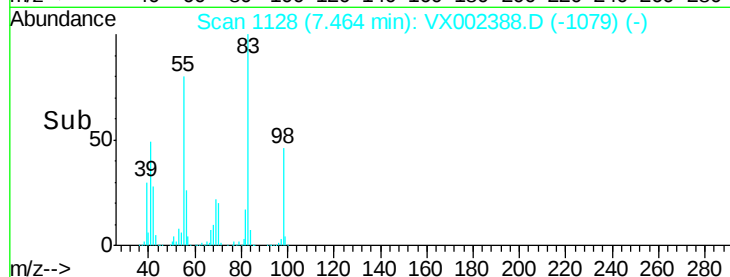
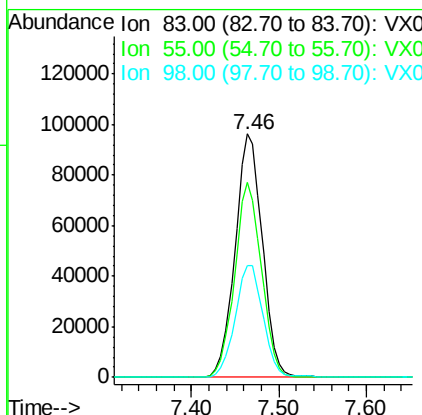
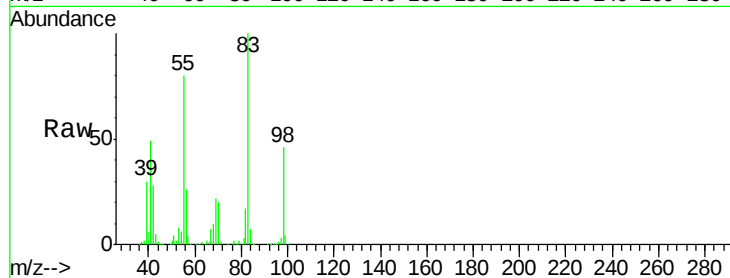
#39
Methylcyclohexane
Concen: 48.323 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.9	65.4	98.0
98	45.9	37.4	56.0

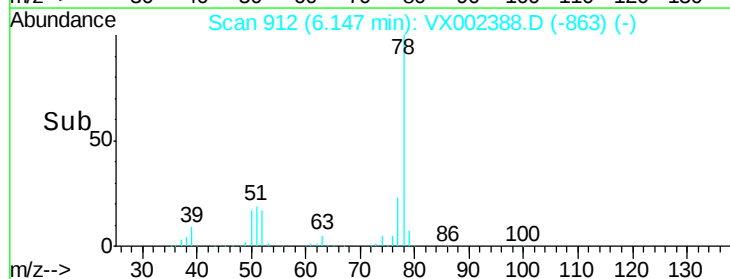
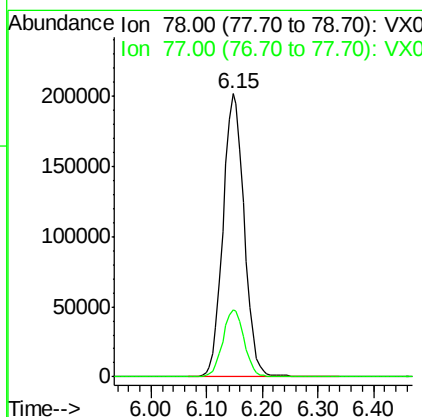
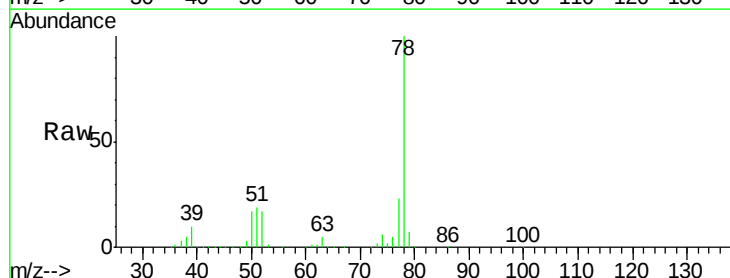
Manual Integrations
APPROVED

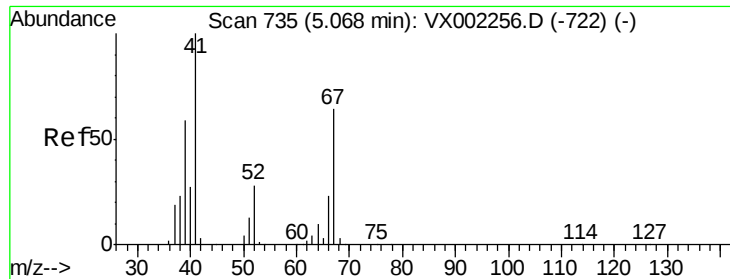
MMDadoda
6/8/2018 1:20:28 PM



#40
Benzene
Concen: 49.505 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





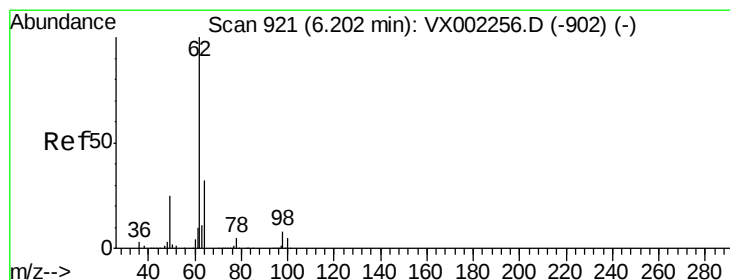
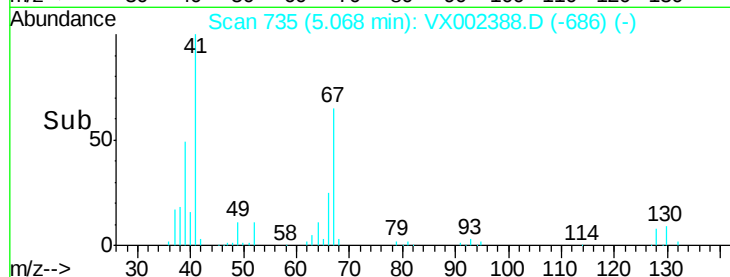
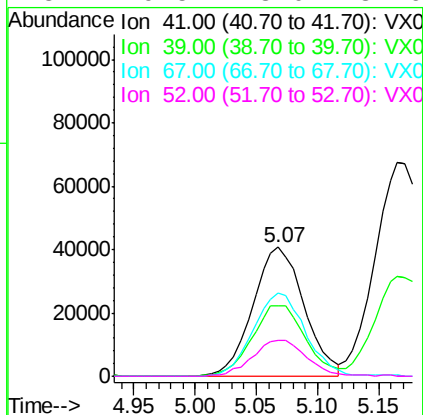
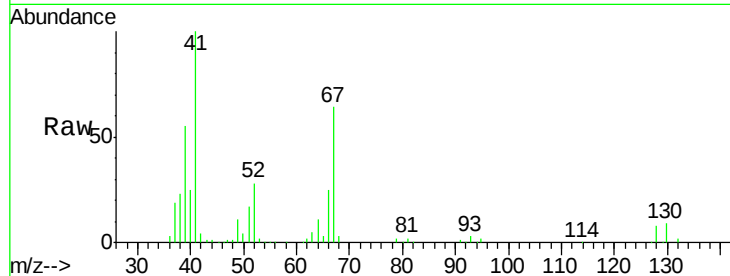
#41
Methacrylonitrile
Concen: 49.132 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	118488		
39	56.7	45.8	68.6	
67	66.1	51.3	76.9	
52	29.5	23.0	34.6	

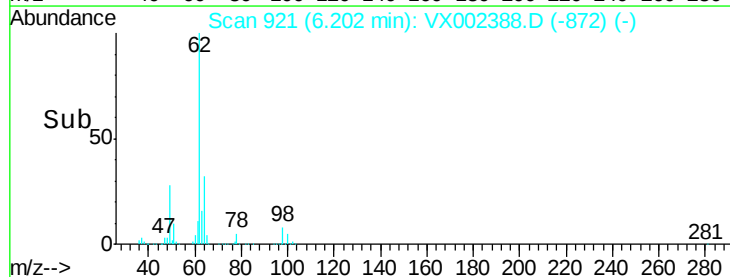
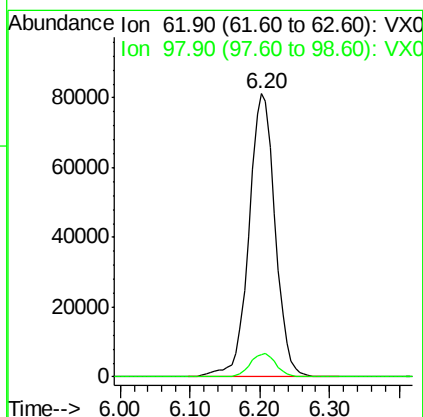
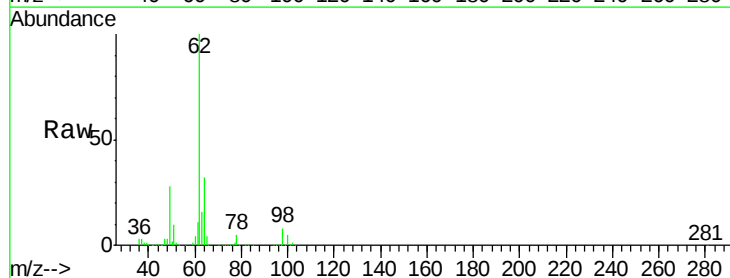
Manual Integrations
APPROVED

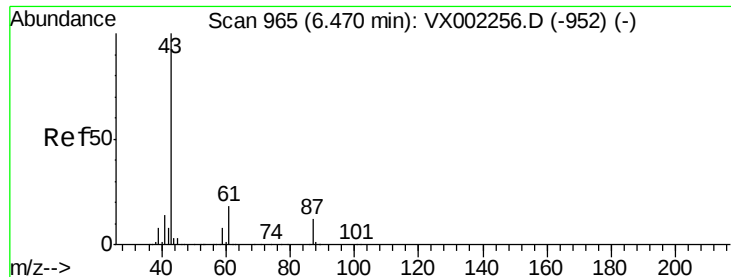
MMDadoda
6/8/2018 1:20:28 PM



#42
1,2-Dichloroethane
Concen: 49.226 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	210067		
98	8.2	0.0	16.6	





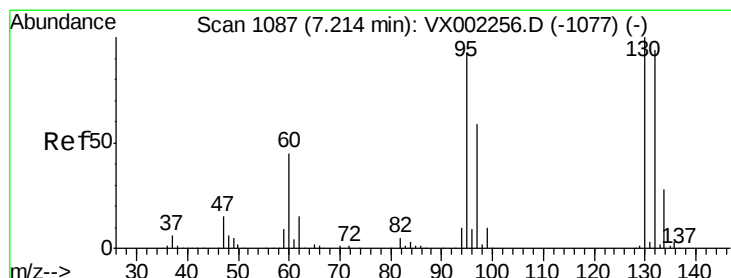
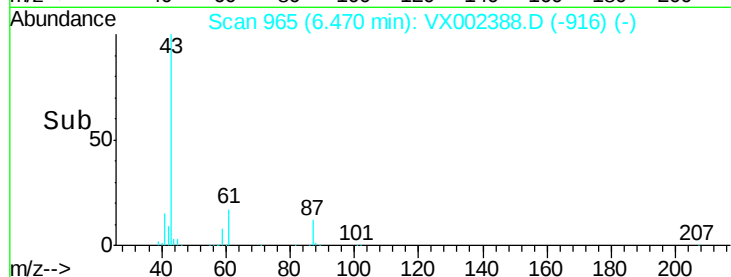
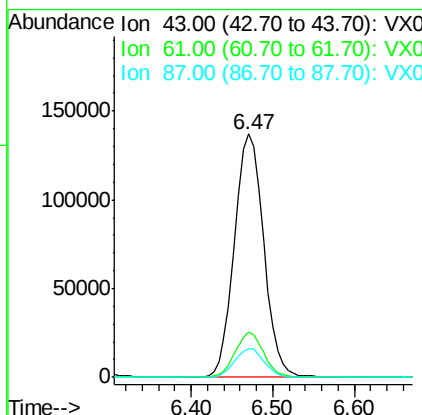
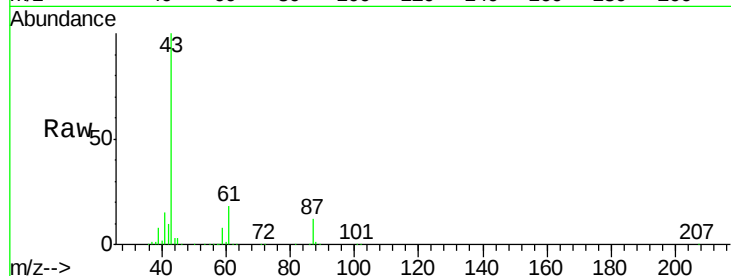
#43
Isopropyl Acetate
Concen: 47.483 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.0	9.5	14.3

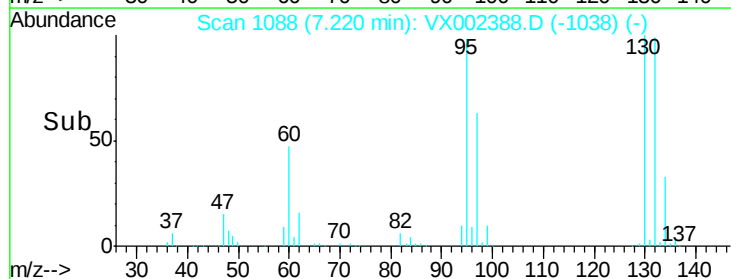
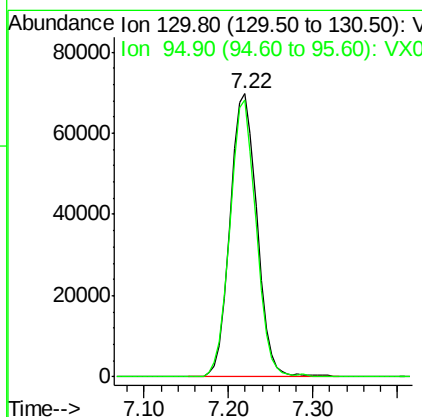
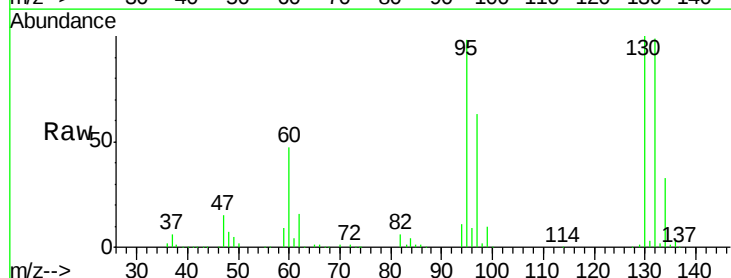
Manual Integrations
APPROVED

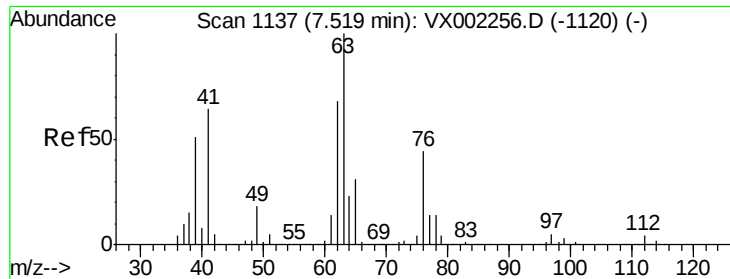
MMDadoda
6/8/2018 1:20:28 PM



#44
Trichloroethene
Concen: 50.643 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.151 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 63 Resp: 142522

Ion Ratio Lower Upper

63 100

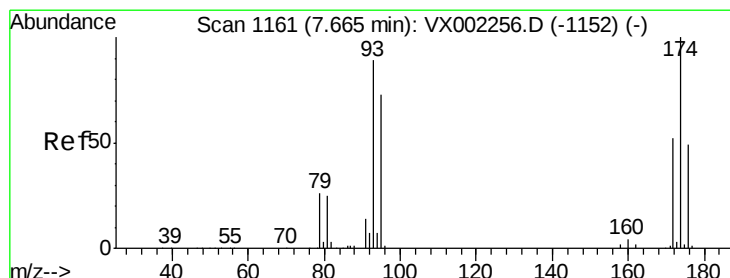
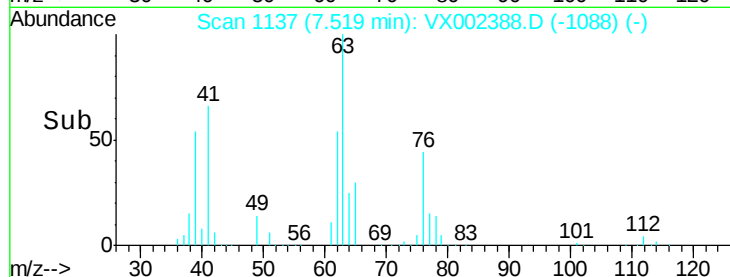
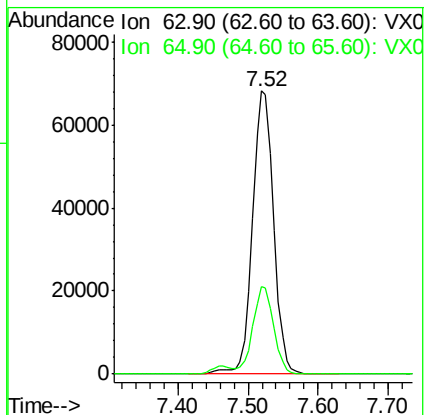
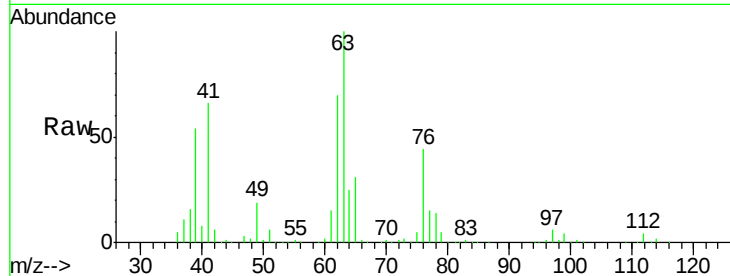
65 30.9 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 48.824 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

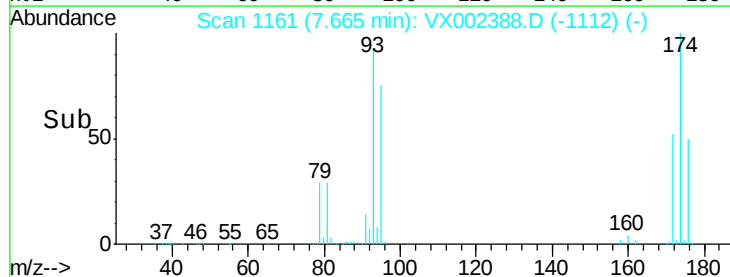
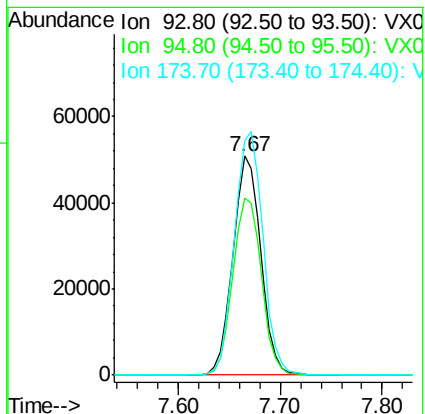
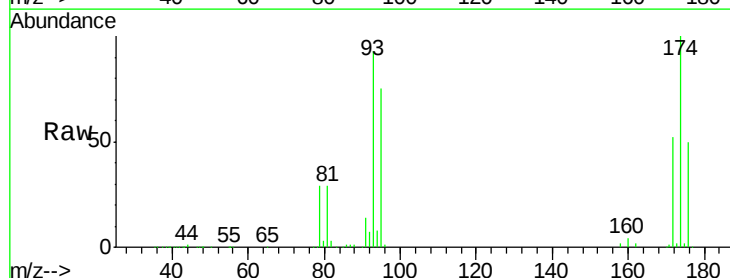
Tgt Ion: 93 Resp: 95973

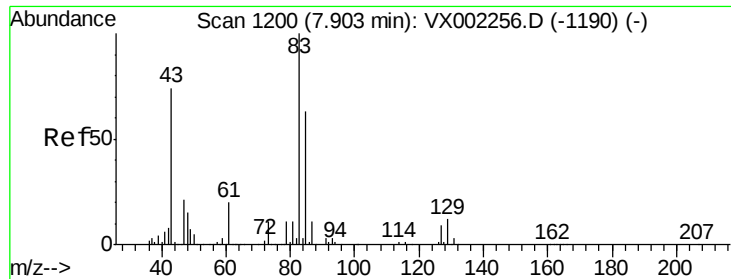
Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

174 114.0 92.4 138.6





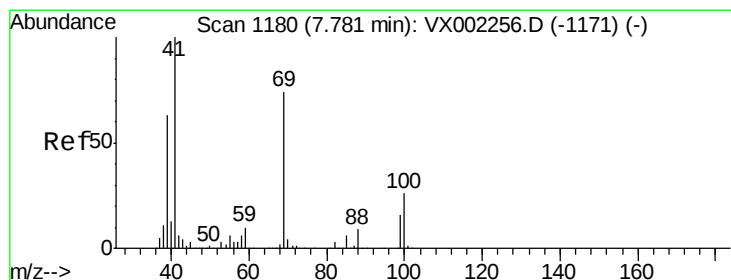
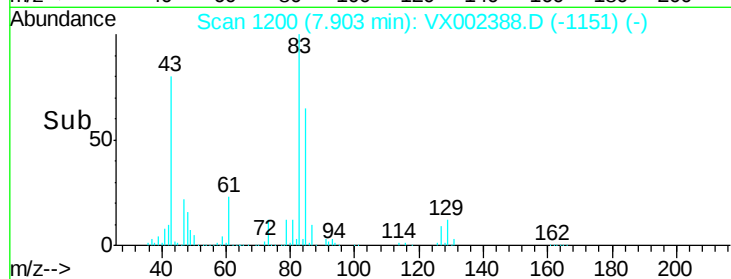
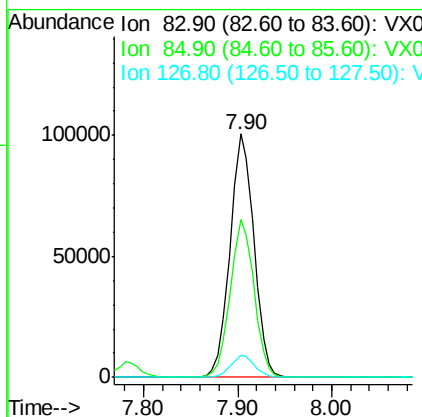
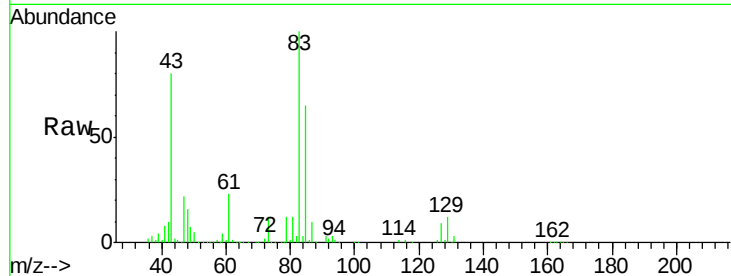
#47
Bromodichloromethane
Concen: 49.877 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	9.0	7.0	10.4

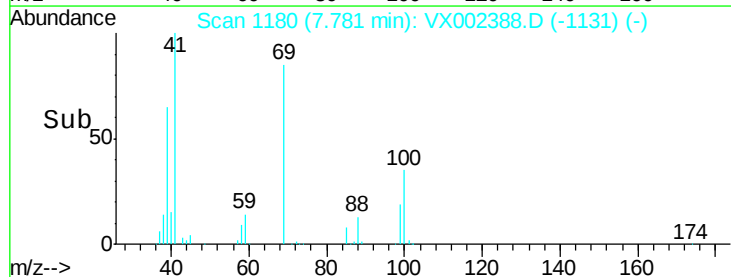
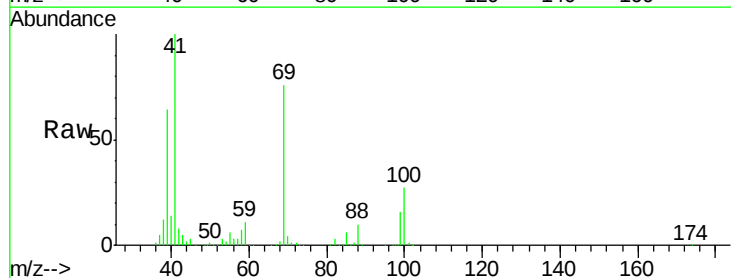
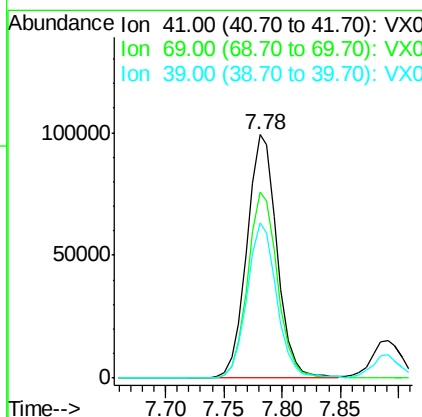
Manual Integrations
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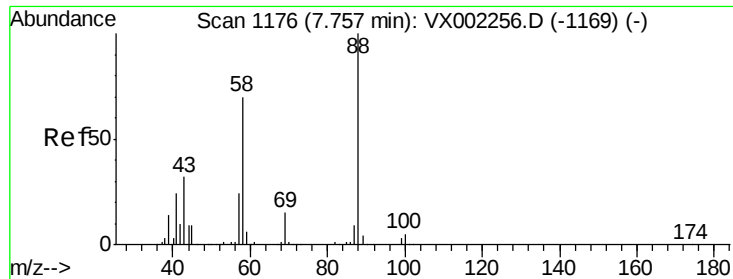
MMDadoda
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#48
Methyl methacrylate
Concen: 49.559 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.2	59.1	88.7
39	62.4	48.9	73.3





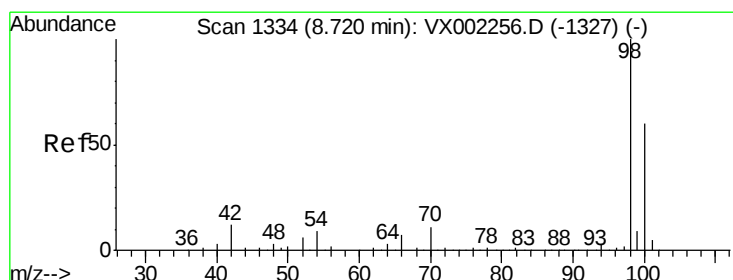
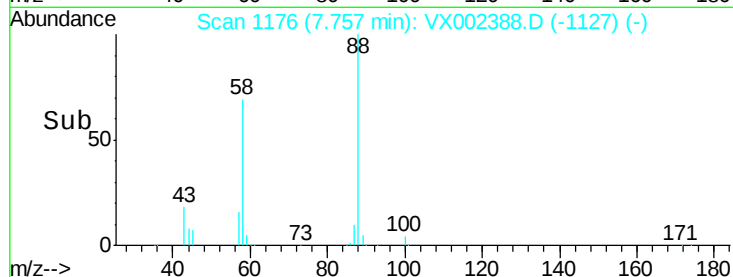
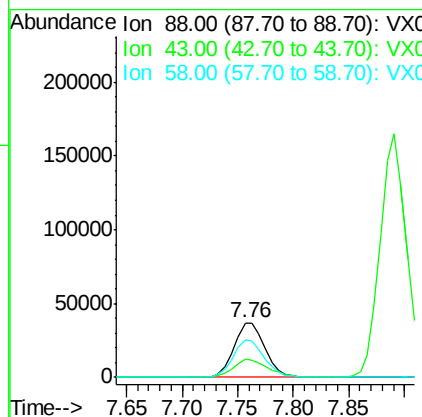
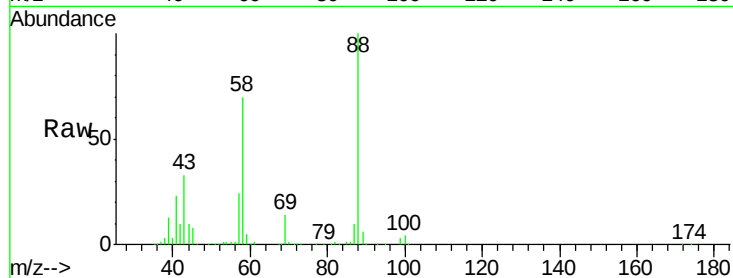
#49
1,4-Dioxane
Concen: 1063.236 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.6
58	70.2	57.1	85.7

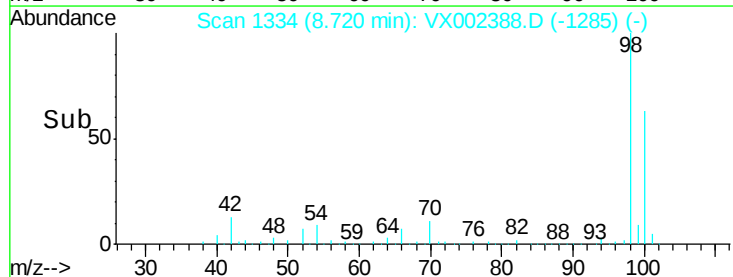
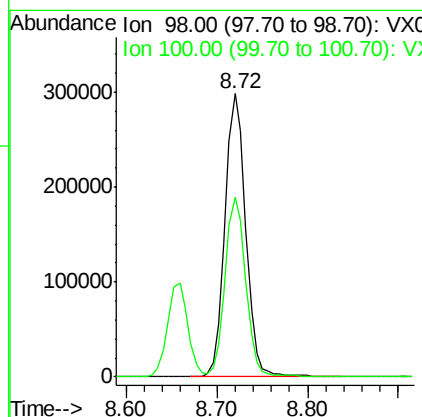
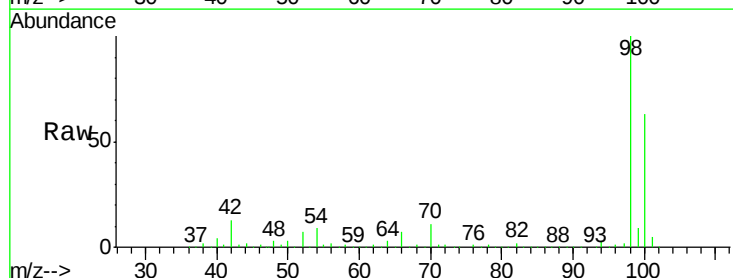
Manual Integrations
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#50
Toluene-d8
Concen: 47.380 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 258.561 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 43 Resp: 1152160

Ion Ratio Lower Upper

43 100

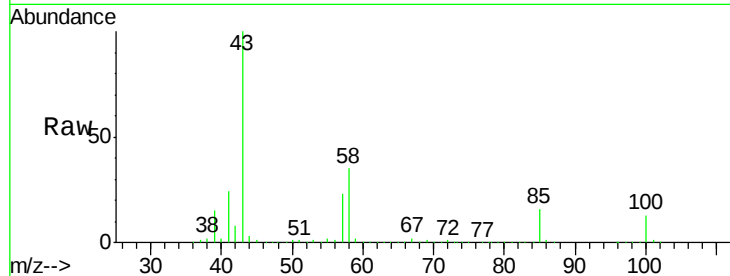
58 35.4 28.6 42.8

Manual Integrations

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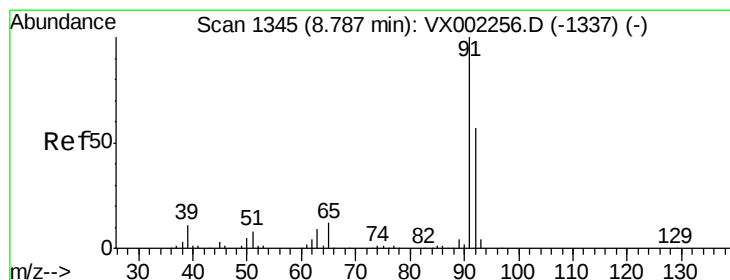
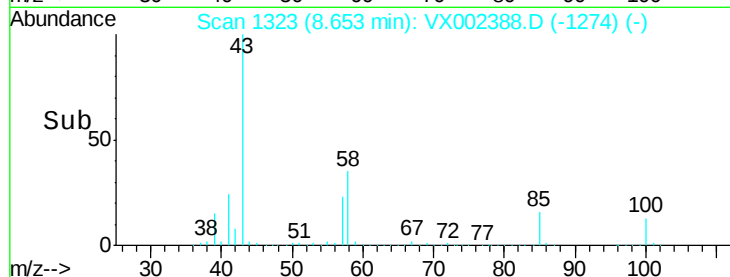
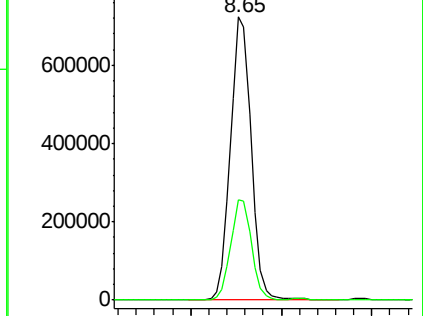
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.253 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002388.D

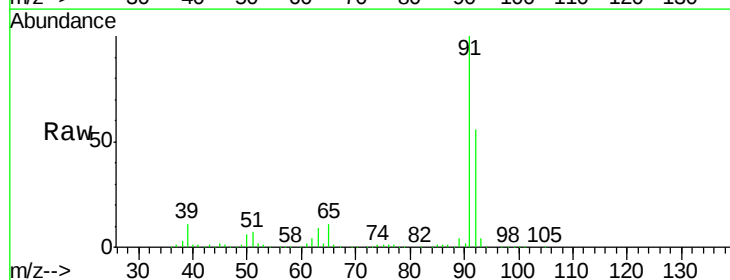
Acq: 07 Jun 2018 19:53

Tgt Ion: 92 Resp: 350130

Ion Ratio Lower Upper

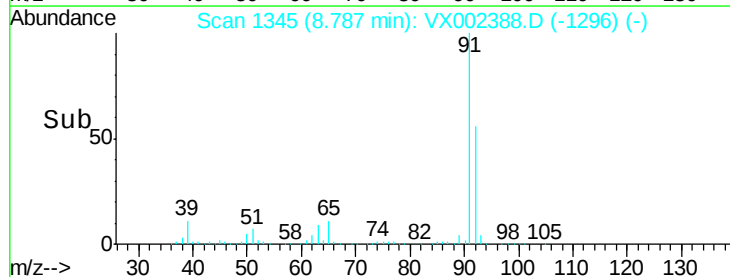
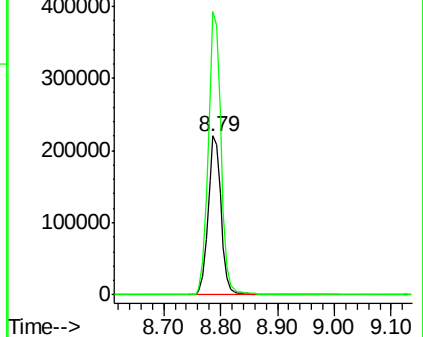
92 100

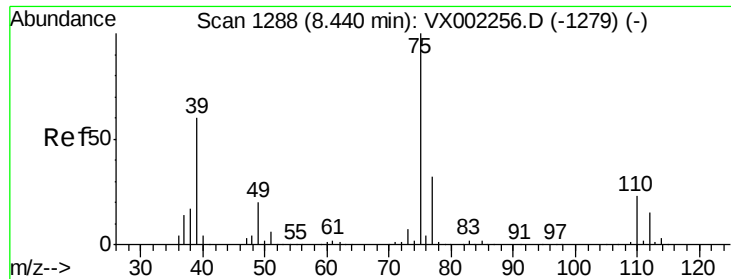
91 176.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





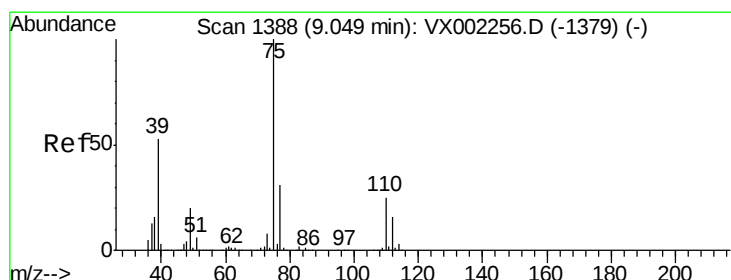
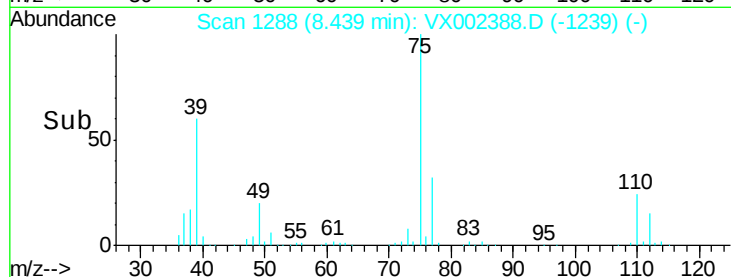
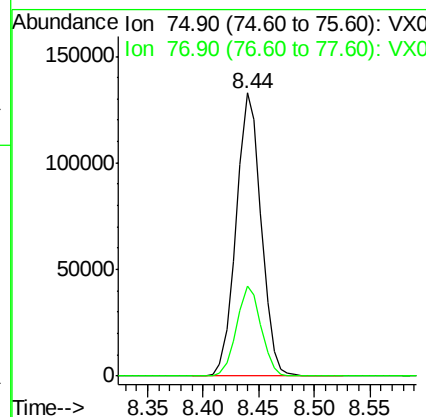
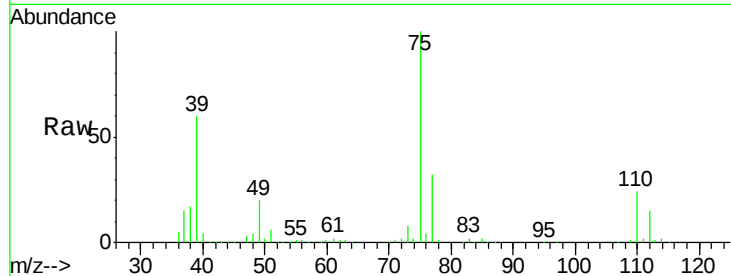
#53
t-1,3-Dichloropropene
Concen: 48.431 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion: 75 Resp: 206481
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

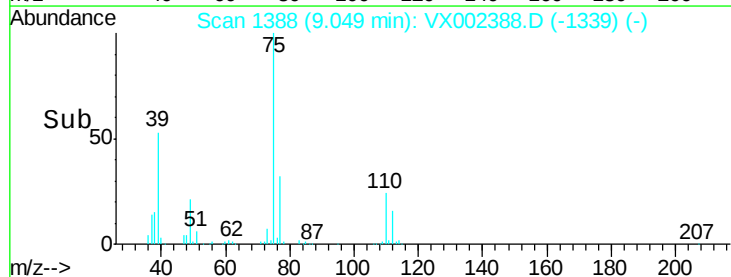
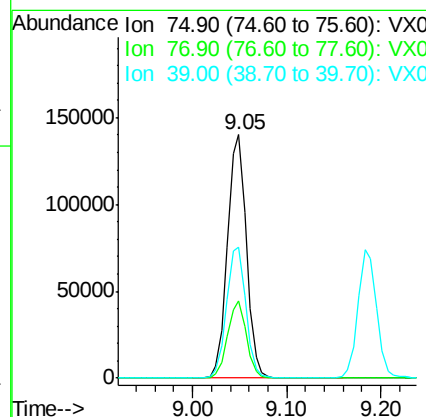
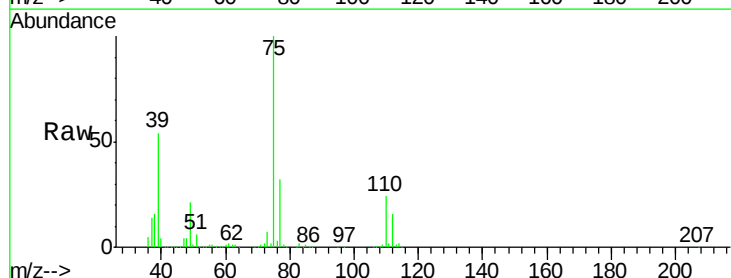
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 48.654 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 75 Resp: 195703
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 53.4 42.4 63.6





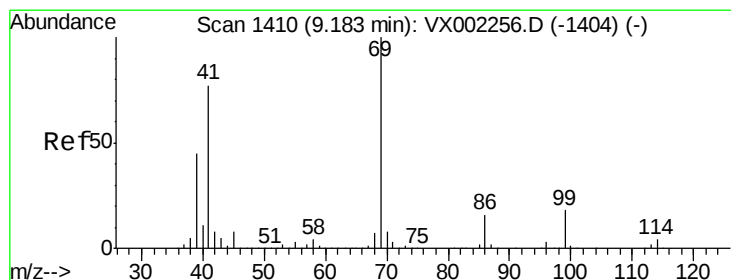
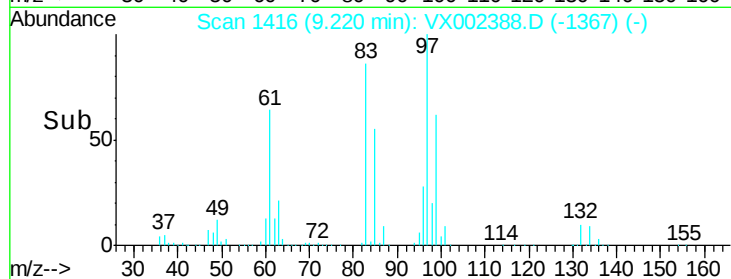
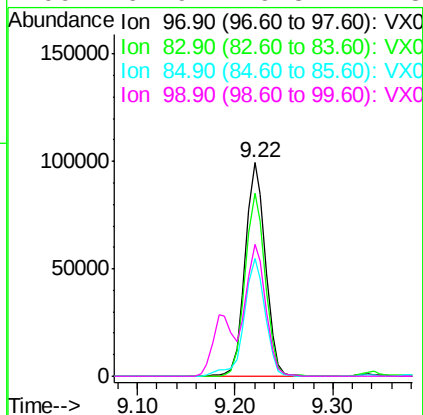
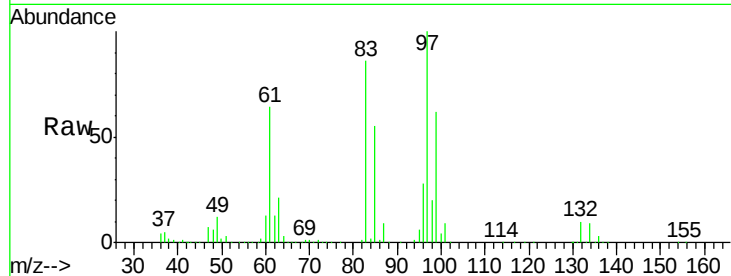
#55
1,1,2-Trichloroethane
Concen: 51.297 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144128		
83	86.0	70.2	105.2		
85	54.9	44.9	67.3		
99	61.9	49.8	74.8		

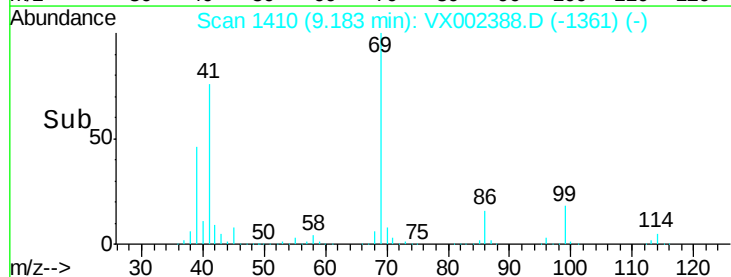
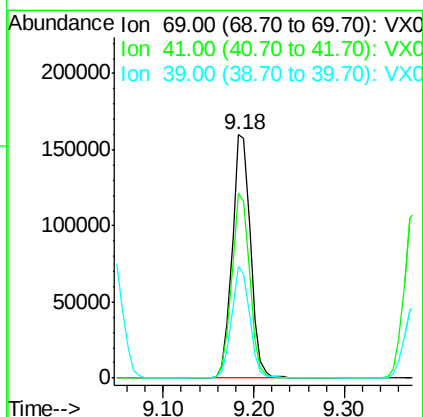
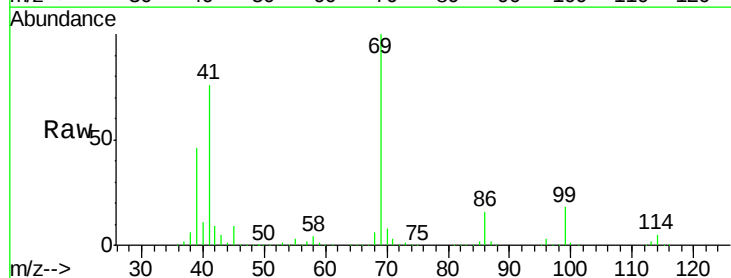
Manual Integrations
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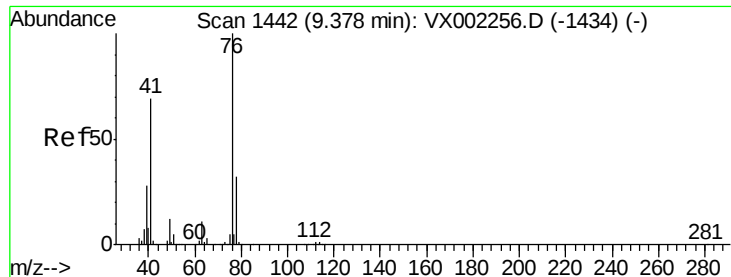
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#56
Ethyl methacrylate
Concen: 49.901 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223844		
41	74.6	60.3	90.5		
39	44.9	35.8	53.8		





#57

1,3-Dichloropropane

Concen: 50.205 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 76 Resp: 236647

Ion Ratio Lower Upper

76 100

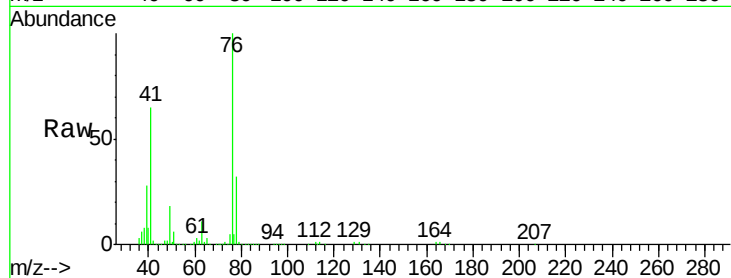
78 32.4 25.8 38.6

Manual Integrations

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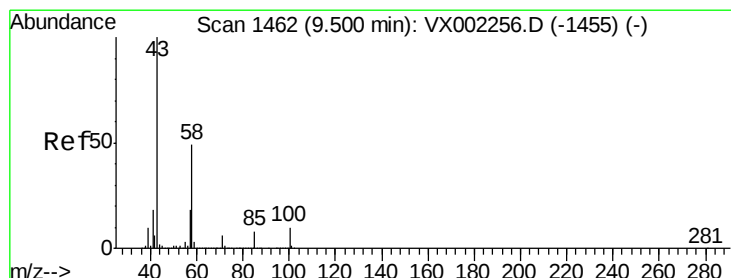
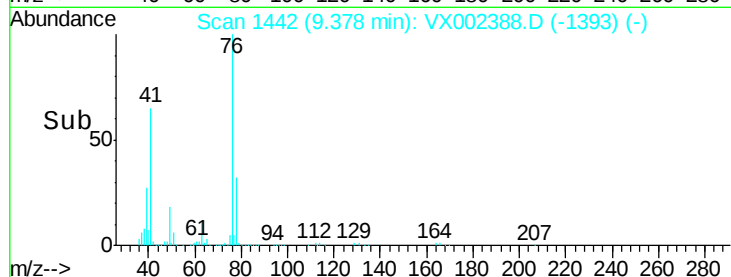
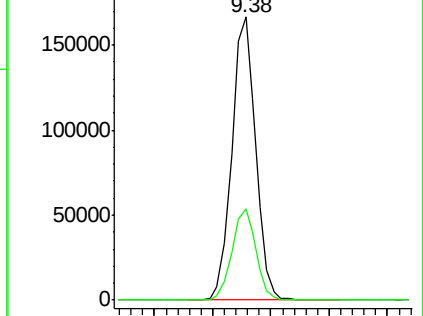
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 257.647 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX002388.D

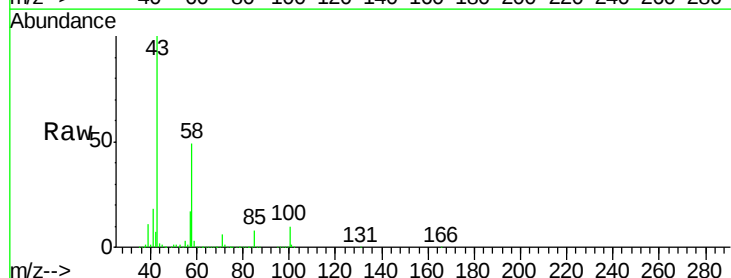
Acq: 07 Jun 2018 19:53

Tgt Ion: 43 Resp: 886789

Ion Ratio Lower Upper

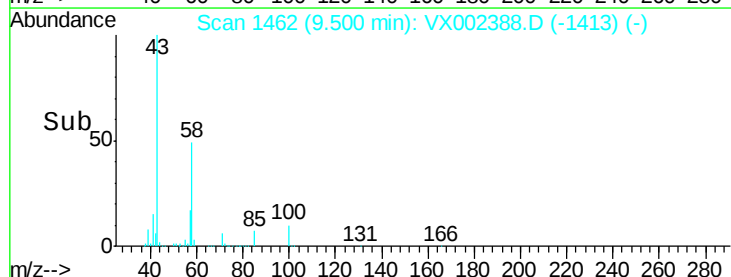
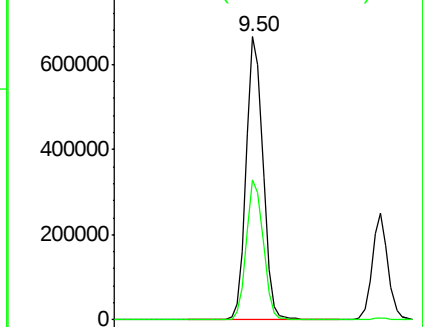
43 100

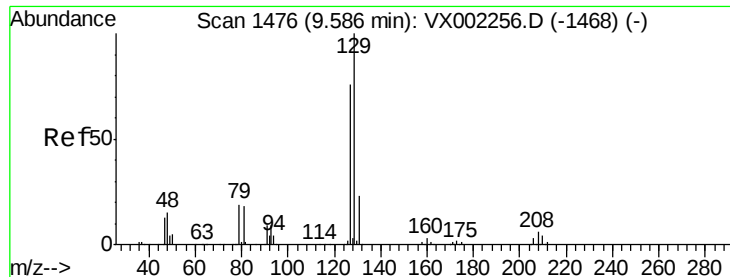
58 49.7 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 51.780 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion:129 Resp: 146335

Ion Ratio Lower Upper

129 100

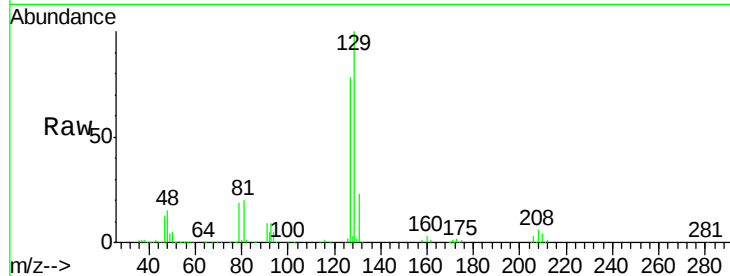
127 78.1 38.5 115.3

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

120000

100000

80000

60000

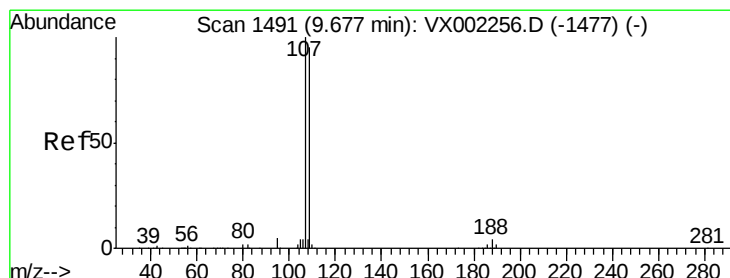
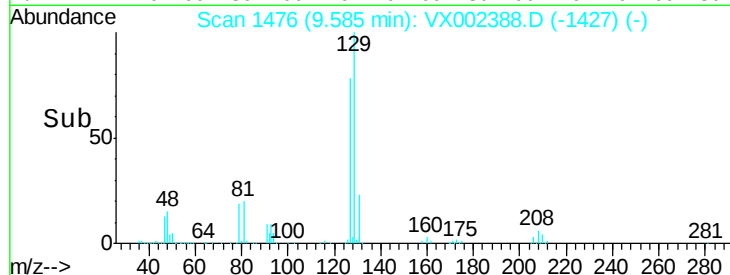
40000

20000

0

9.50 9.60 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 50.972 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002388.D

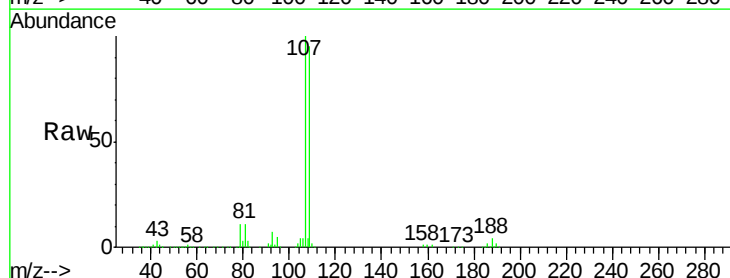
Acq: 07 Jun 2018 19:53

Tgt Ion:107 Resp: 149328

Ion Ratio Lower Upper

107 100

109 95.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

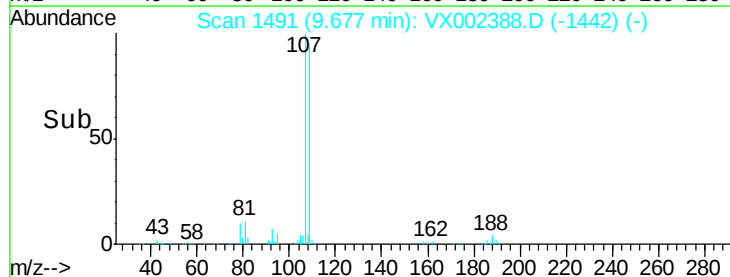
40000

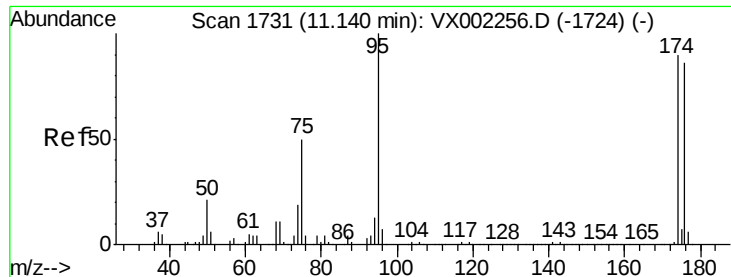
20000

0

9.60 9.70 9.80

Time-->





#62

4-Bromofluorobenzene

Concen: 47.383 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion: 95 Resp: 183518
Ion Ratio Lower Upper

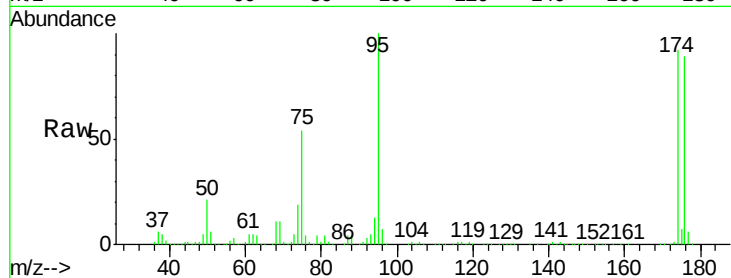
95 100

174 95.6 0.0 187.4

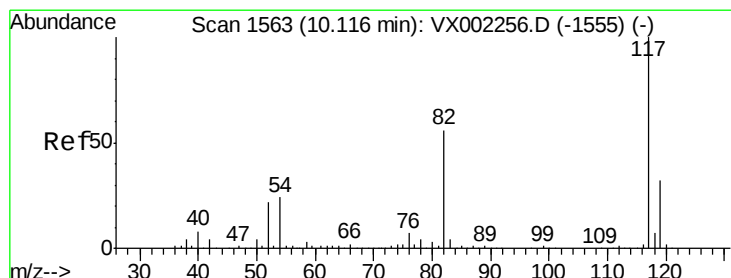
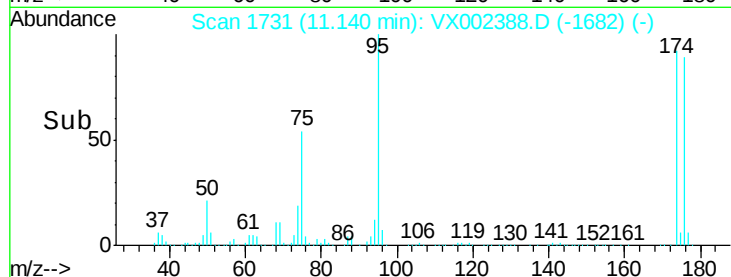
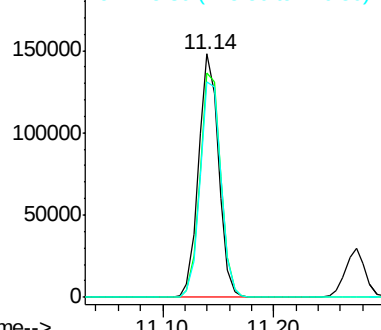
176 92.3 0.0 181.0

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Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)
Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)
Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002388.D

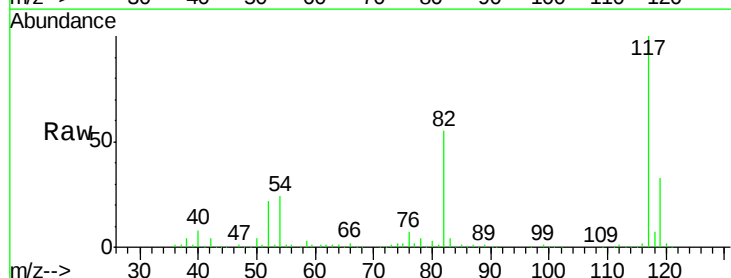
Acq: 07 Jun 2018 19:53

Tgt Ion: 117 Resp: 327330
Ion Ratio Lower Upper

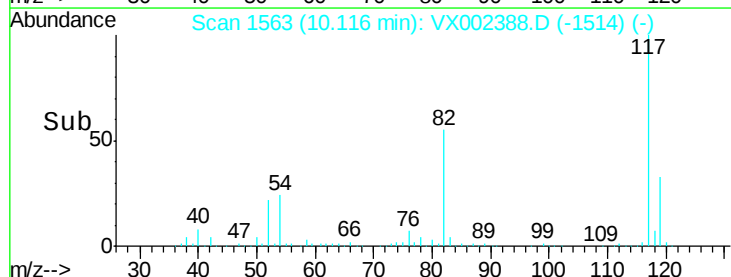
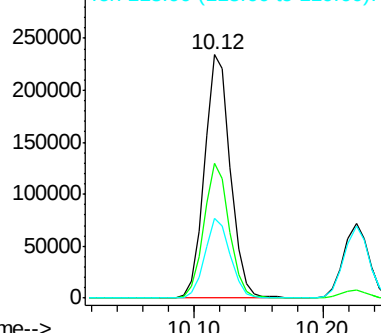
117 100

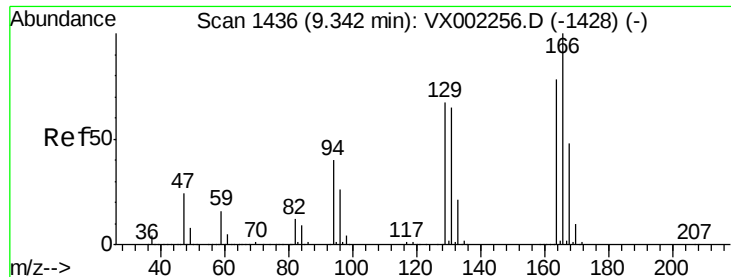
82 55.5 45.0 67.4

119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)
Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)
Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)





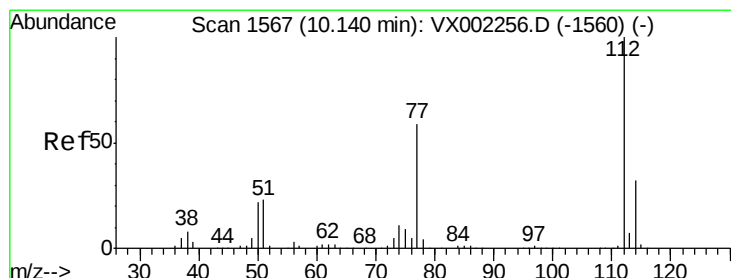
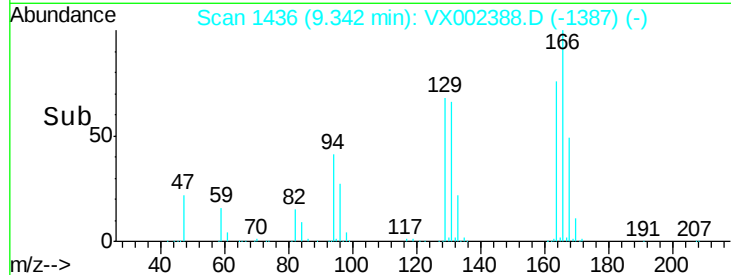
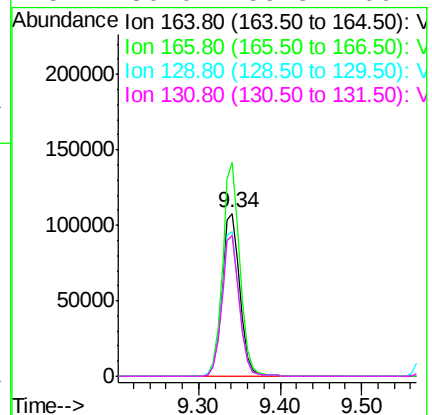
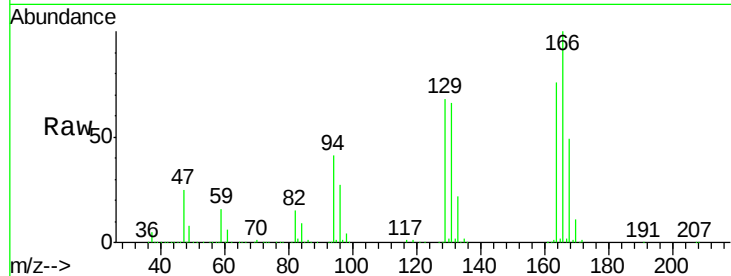
#64
 Tetrachloroethene
 Concen: 48.427 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	131.0	163483	102.9	154.3
129	89.0		68.6	102.8
131	86.0		66.8	100.2

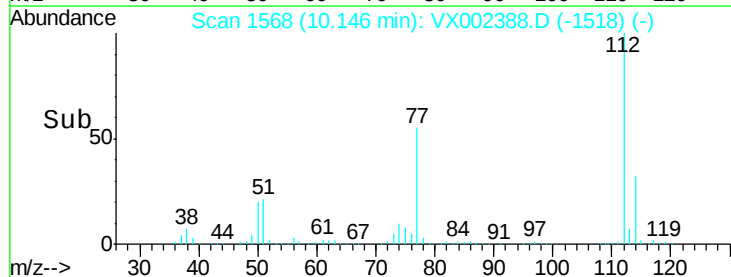
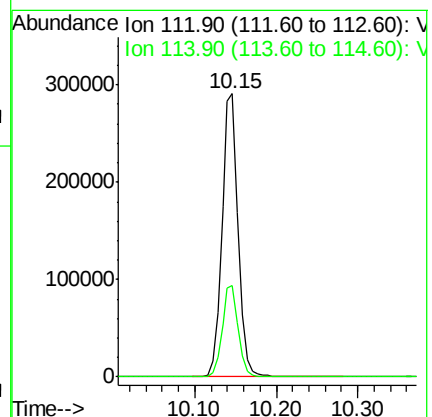
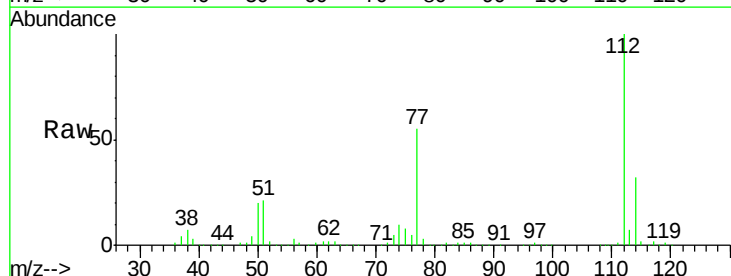
Manual Integrations
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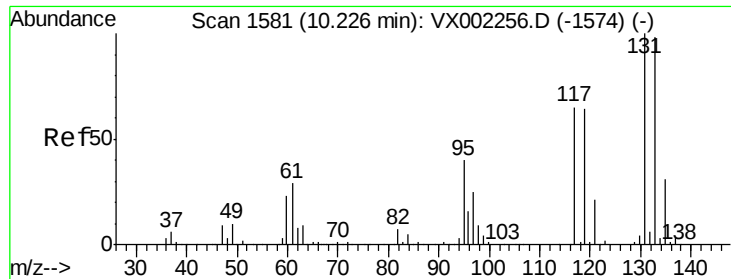
MMDadoda
 6/8/2018 1:20:28 PM



#65
 Chlorobenzene
 Concen: 49.439 ug/l
 RT: 10.15 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	402678		
114	32.3		25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.109 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tgt Ion:131 Resp: 147780

Ion Ratio Lower Upper

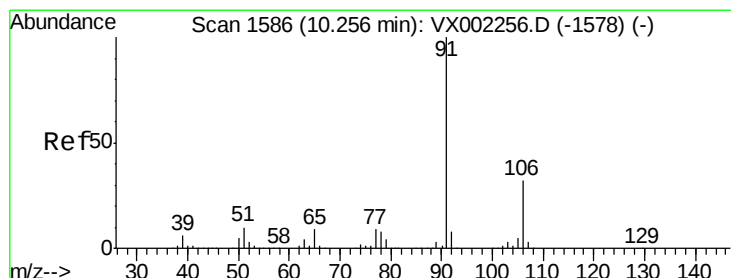
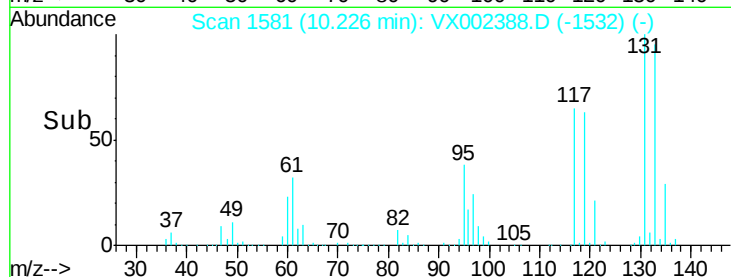
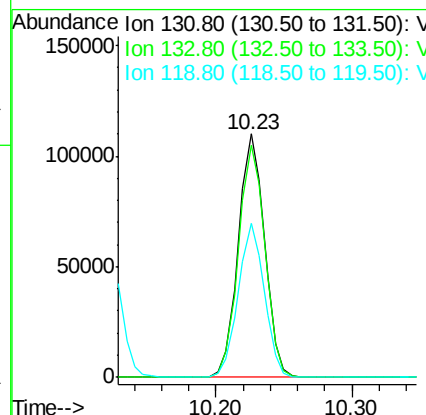
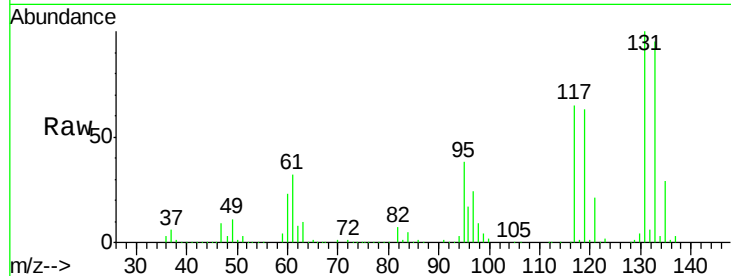
131 100

133 95.9 47.9 143.6

119 62.8 31.8 95.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.299 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002388.D

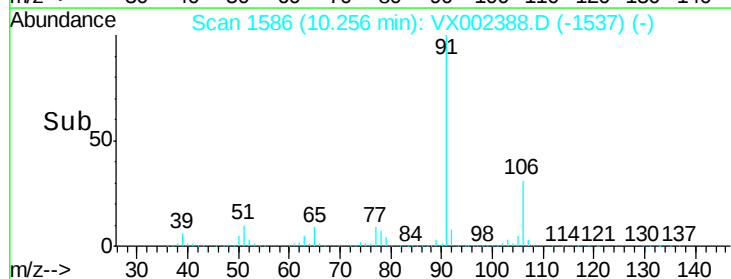
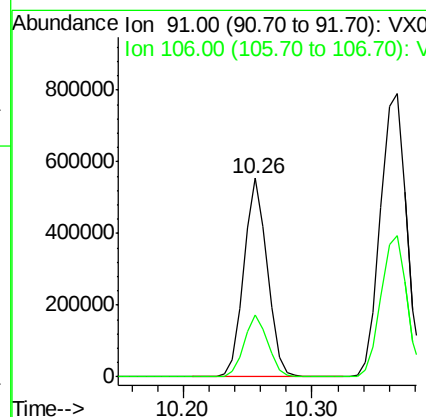
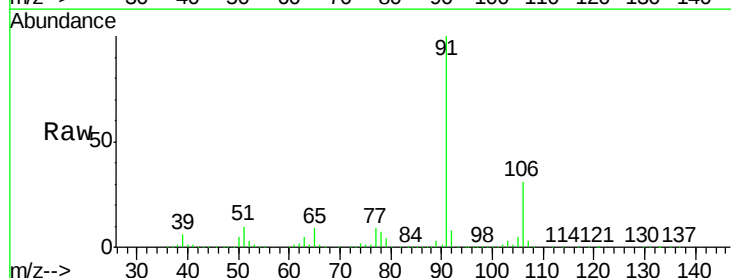
Acq: 07 Jun 2018 19:53

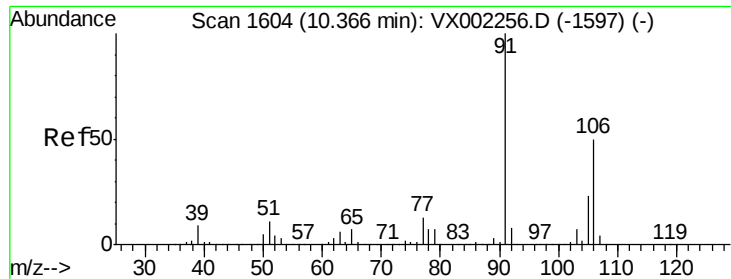
Tgt Ion: 91 Resp: 699233

Ion Ratio Lower Upper

91 100

106 31.2 25.5 38.3





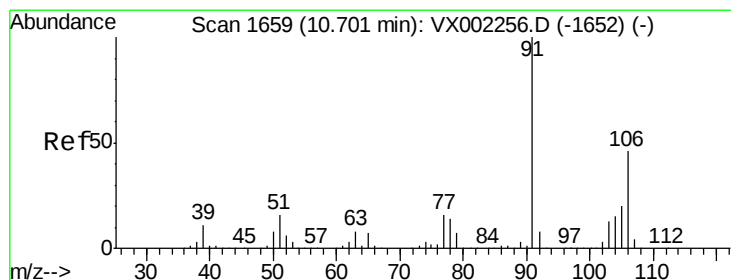
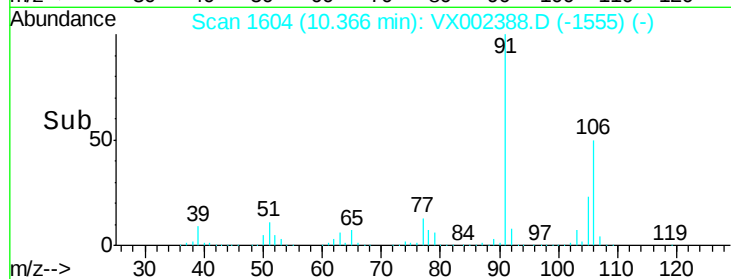
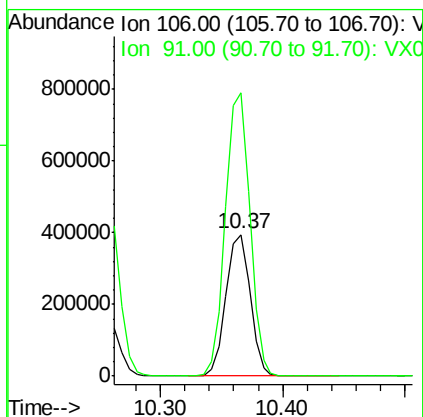
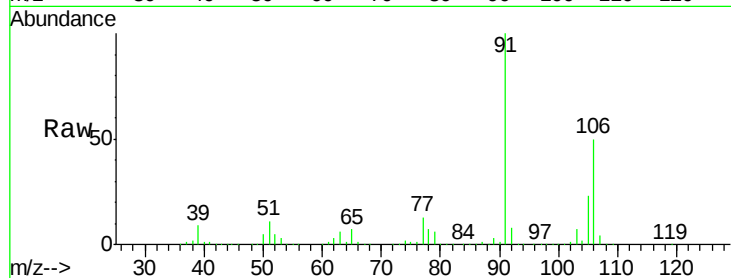
#68
m/p-Xylenes
Concen: 102.652 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion:106 Resp: 543909
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2

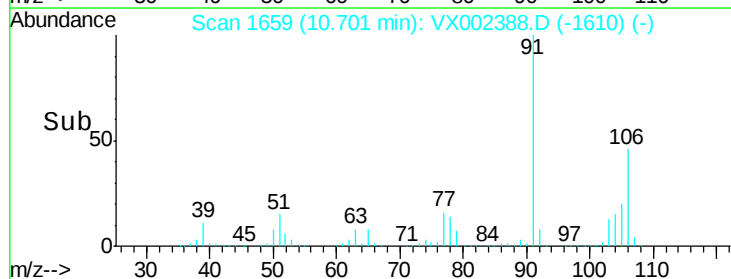
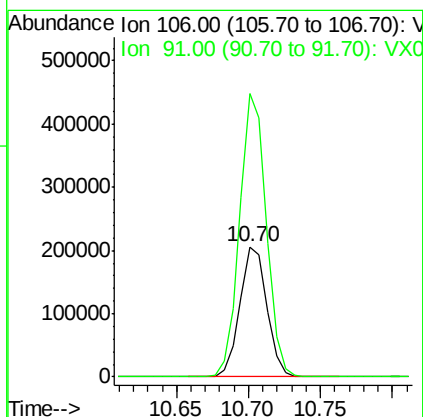
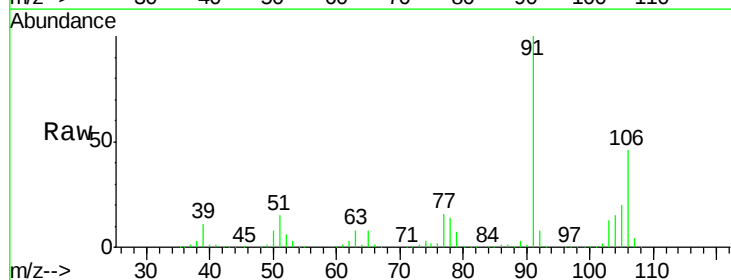
Manual Integrations
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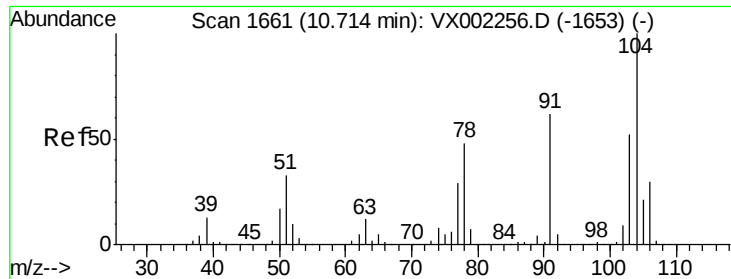
MMDadoda
6/8/2018 1:20:28 PM



#69
o-Xylene
Concen: 50.620 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion:106 Resp: 266916
Ion Ratio Lower Upper
106 100
91 216.1 108.2 324.6





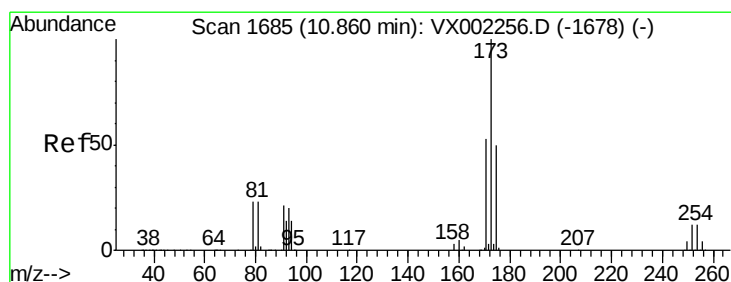
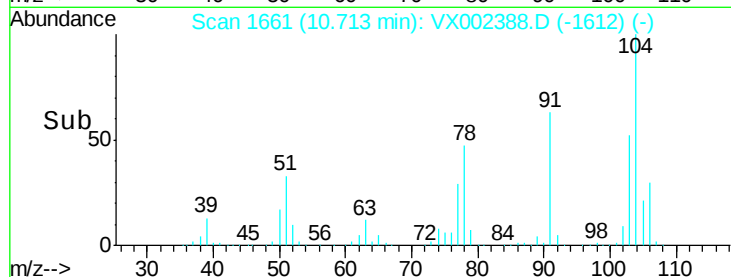
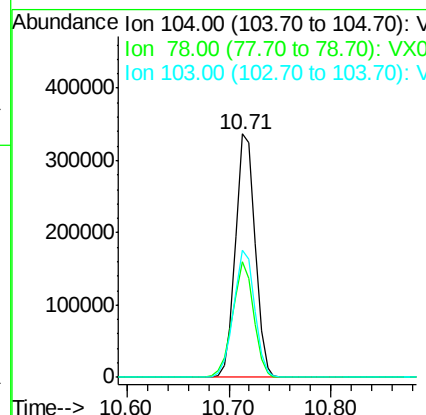
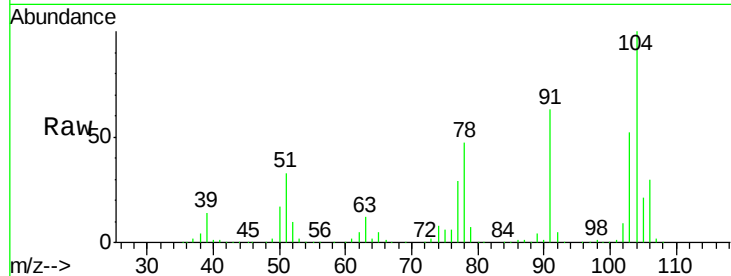
#70
Styrene
Concen: 51.521 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.0	61.6
103	55.9	44.2	66.4

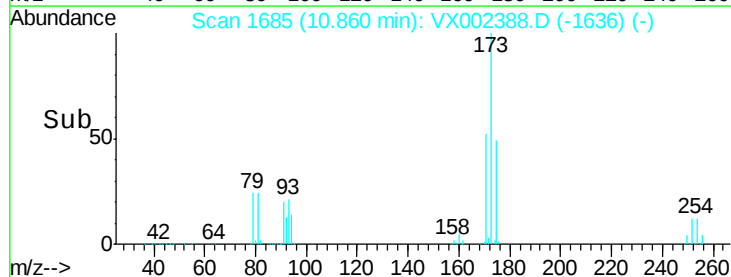
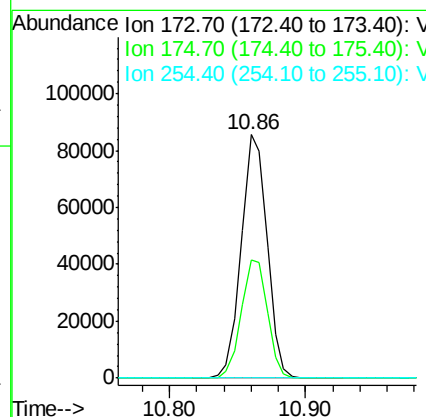
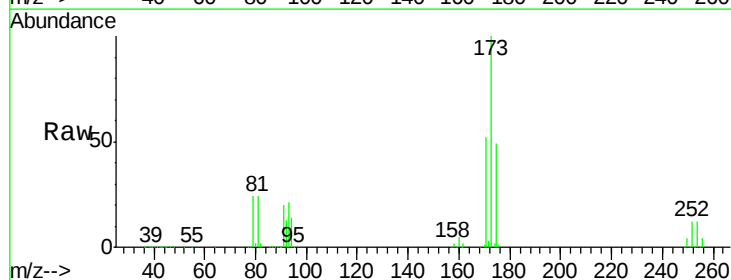
Manual Integrations
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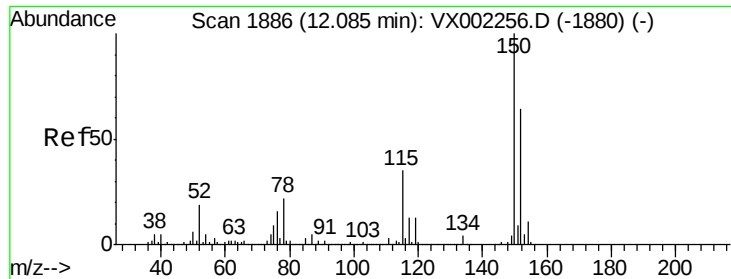
MMDadoda
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#71
Bromoform
Concen: 43.384 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

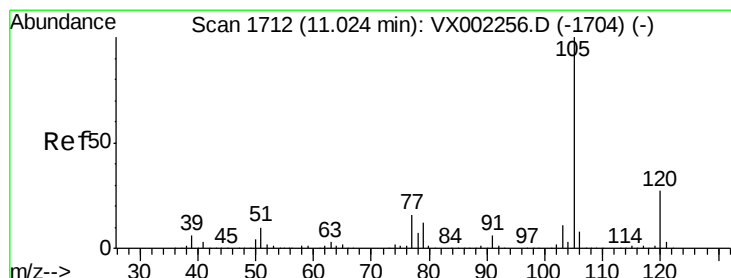
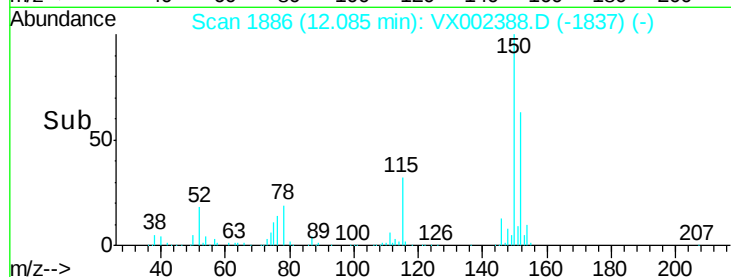
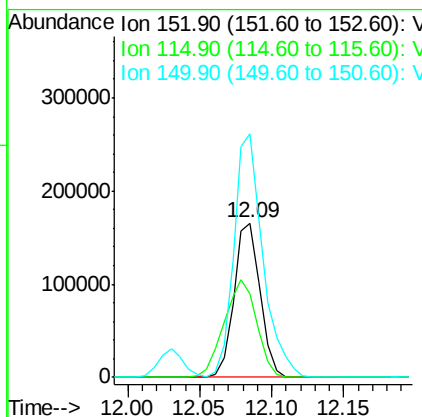
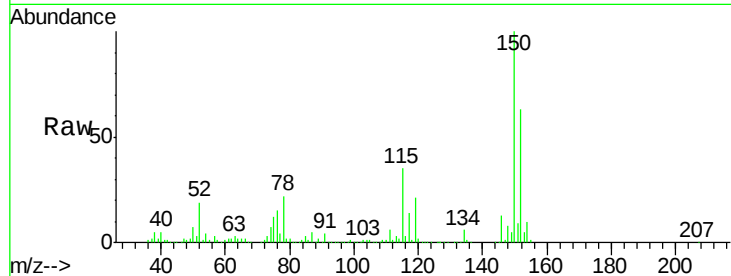
ClientSampleId :

LF5-0064MS

Tgt Ion:	152	Resp:	209771
Ion Ratio	Lower	Upper	
152	100		
115	79.2	40.1	120.2
150	174.9	0.0	347.2

Manual Integrations
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6/8/2018 1:20:28 PM



#73

Isopropylbenzene

Concen: 49.737 ug/l

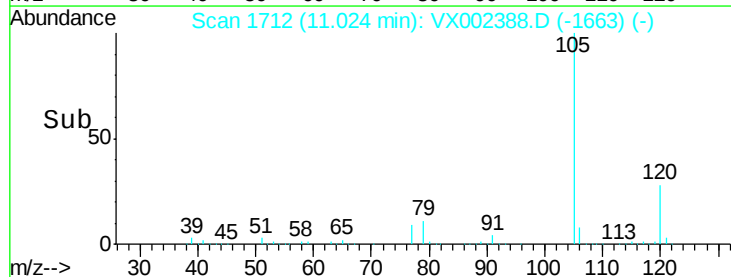
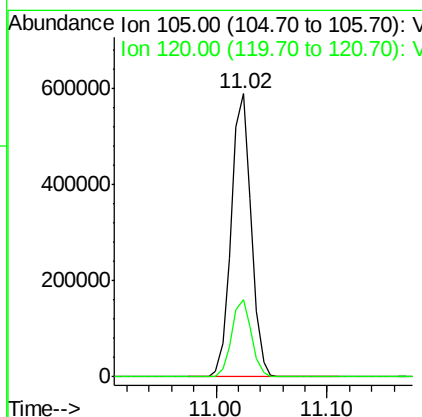
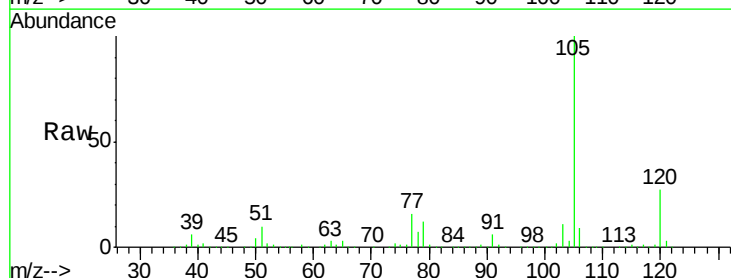
RT: 11.02 min Scan# 1712

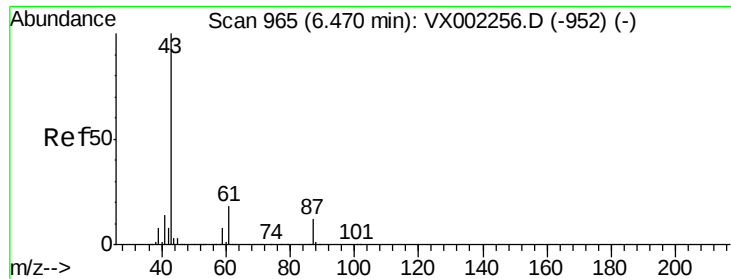
Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	105	Resp:	725802
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.5	40.4





#74

N-ethyl acetate

Concen: 43.210 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

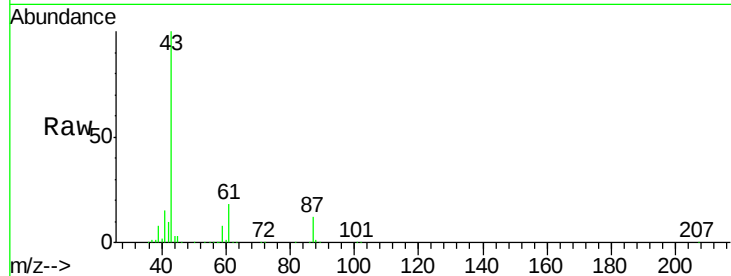
ClientSampleId :

LF5-0064MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		339761		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	18.2	14.4	21.6		

Manual Integrations
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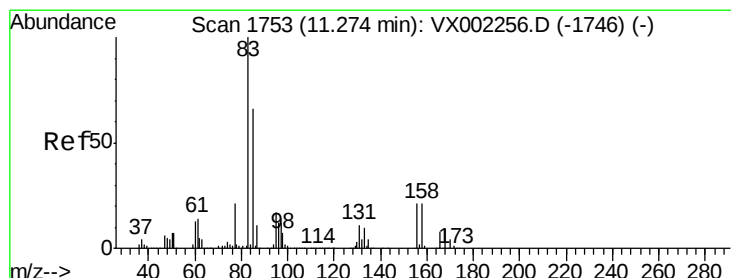
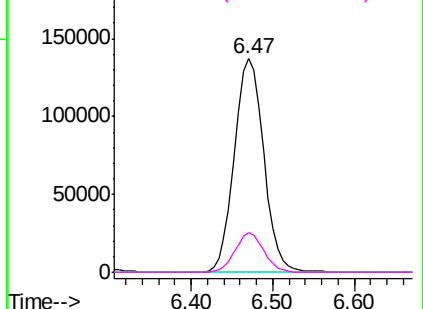
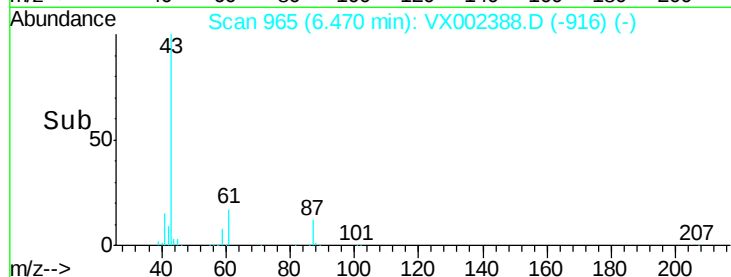


Abundance Ion 43.00 (42.70 to 43.70): VX002256.D (-952) (-)

Ion 70.00 (69.70 to 70.70): VX002256.D (-952) (-)

Ion 55.00 (54.70 to 55.70): VX002256.D (-952) (-)

Ion 61.00 (60.70 to 61.70): VX002256.D (-952) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 47.930 ug/l

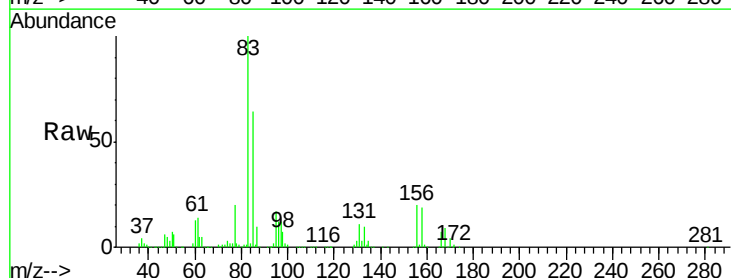
RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

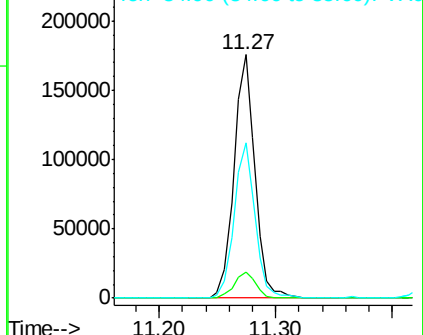
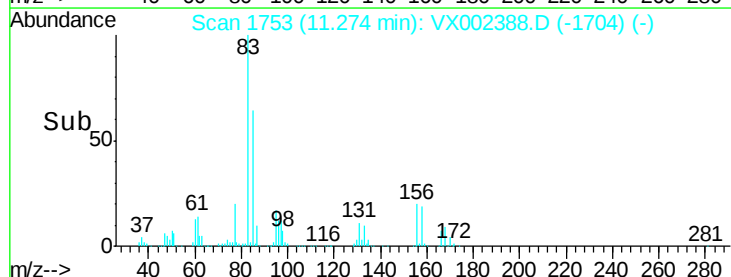
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		219978		
131	11.2	5.6	16.8		
85	64.1	32.4	97.2		

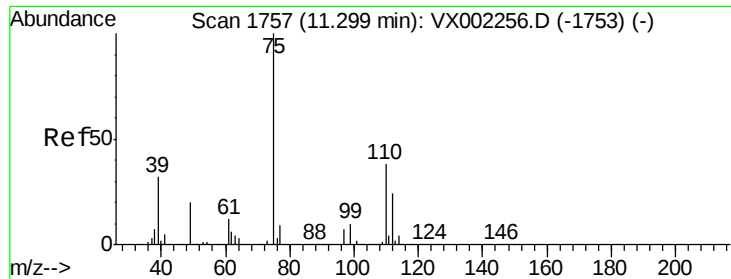


Abundance Ion 82.90 (82.60 to 83.60): VX002256.D (-1746) (-)

Ion 130.80 (130.50 to 131.50): VX002256.D (-1746) (-)

Ion 84.90 (84.60 to 85.60): VX002256.D (-1746) (-)





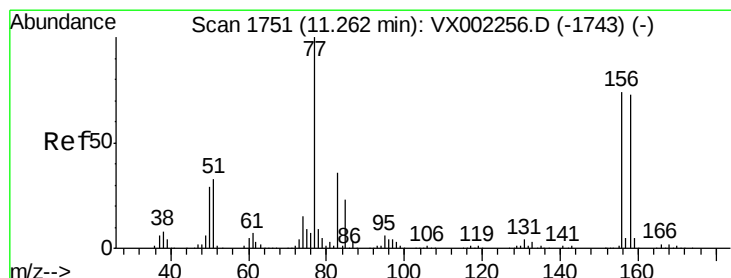
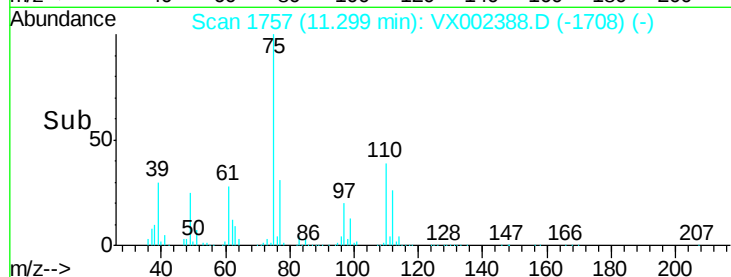
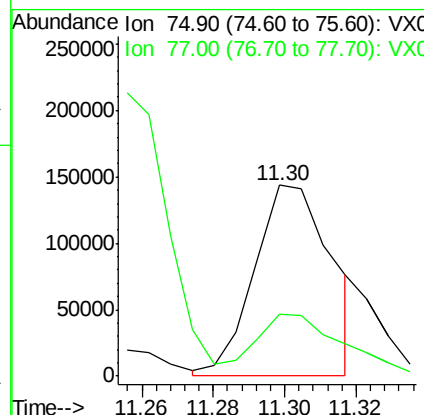
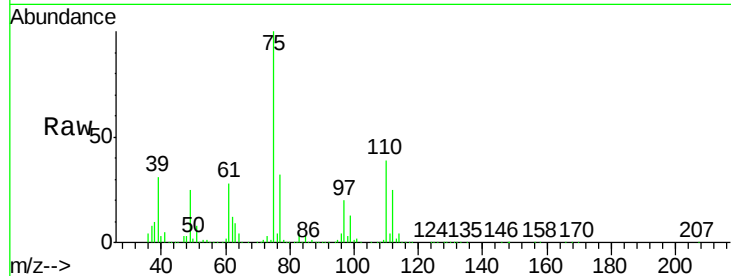
#76
 1,2,3-Trichloropropane
 Concen: 46.899 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion: 75 Resp: 215875
 Ion Ratio Lower Upper
 75 100
 77 37.2 22.8 68.3

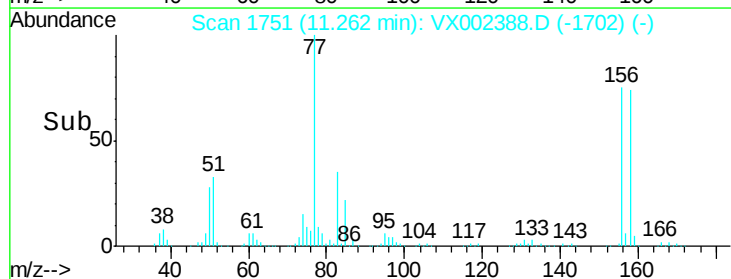
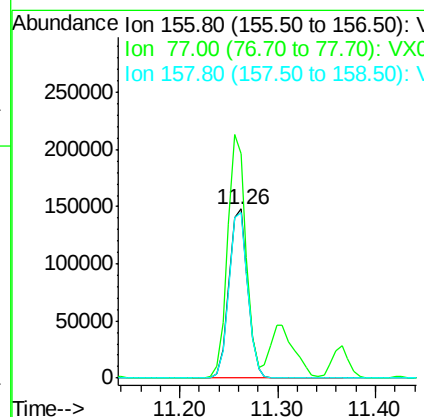
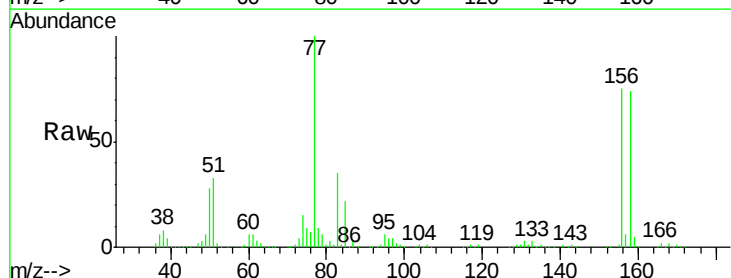
Manual Integrations
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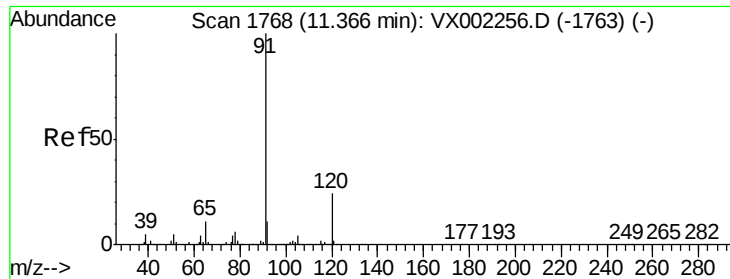
MMDadoda
 6/8/2018 1:20:28 PM



#77
 Bromobenzene
 Concen: 47.944 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 156 Resp: 196412
 Ion Ratio Lower Upper
 156 100
 77 140.7 71.4 214.2
 158 97.9 48.9 146.6





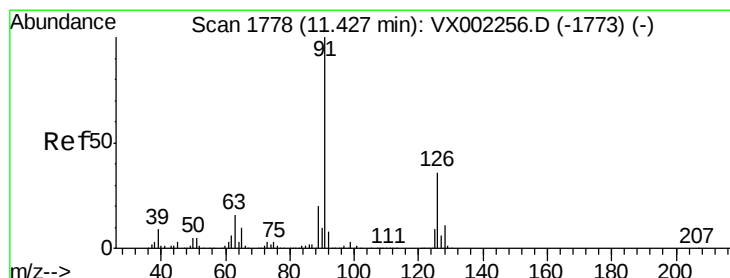
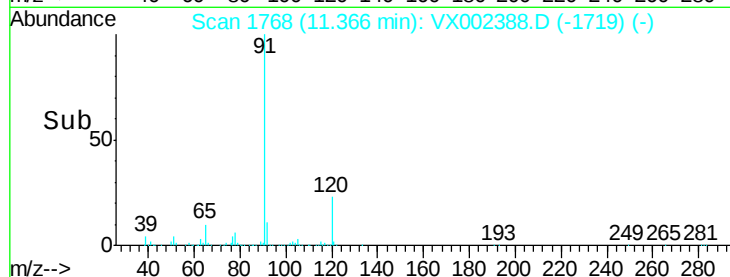
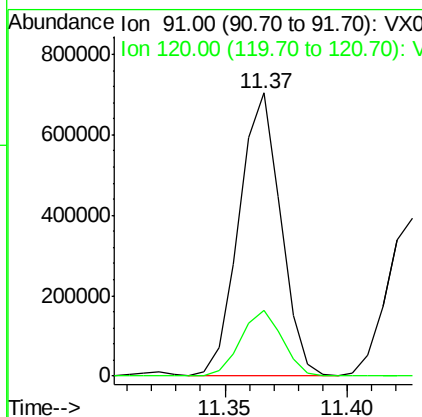
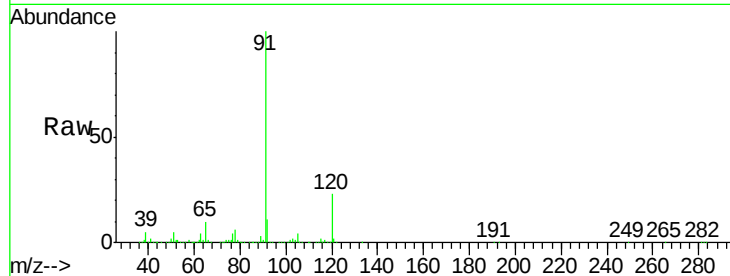
#78
n-propylbenzene
Concen: 51.143 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion: 91 Resp: 829503
Ion Ratio Lower Upper
91 100
120 23.4 11.8 35.4

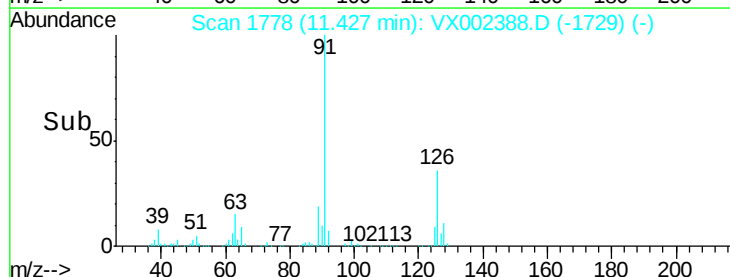
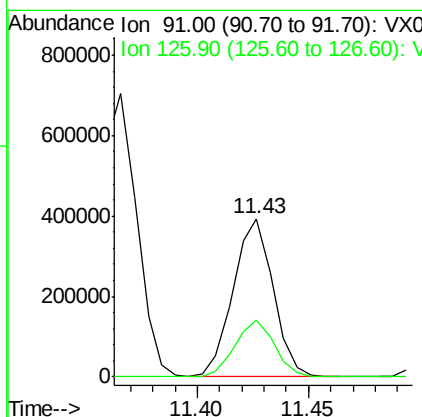
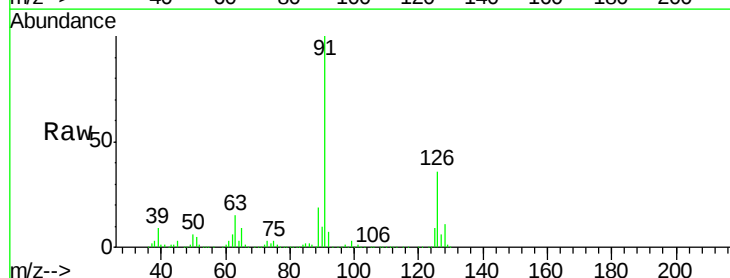
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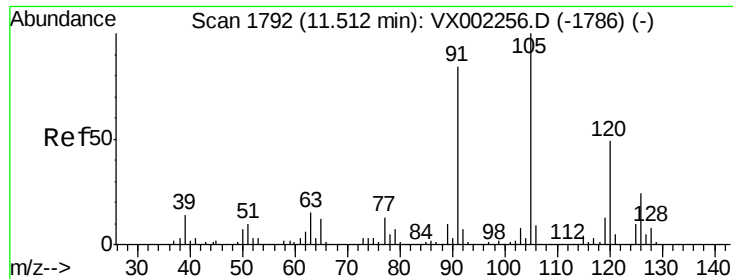
MMDadoda
6/8/2018 1:20:28 PM



#79
2-Chlorotoluene
Concen: 47.780 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 91 Resp: 489334
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1





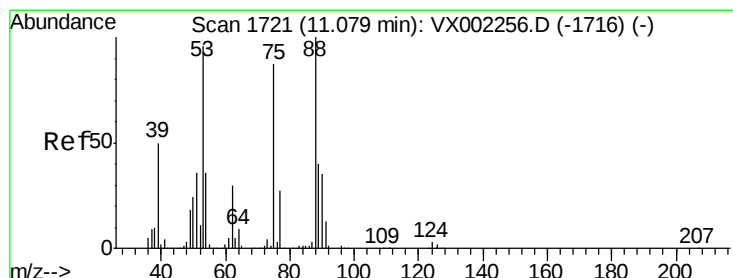
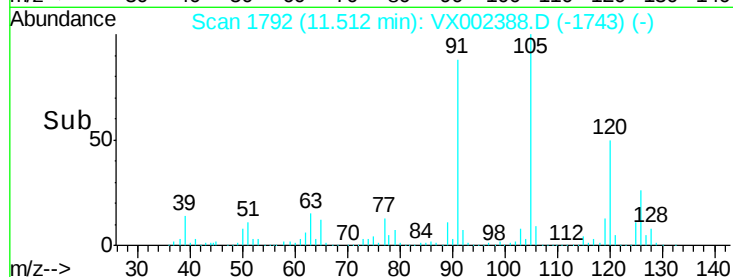
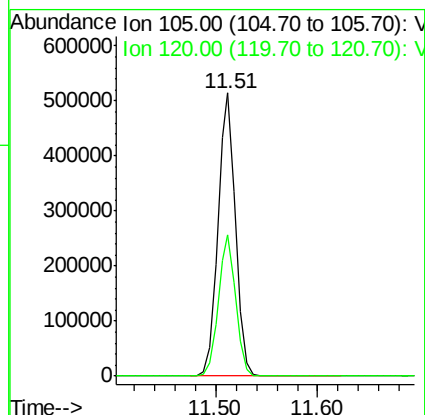
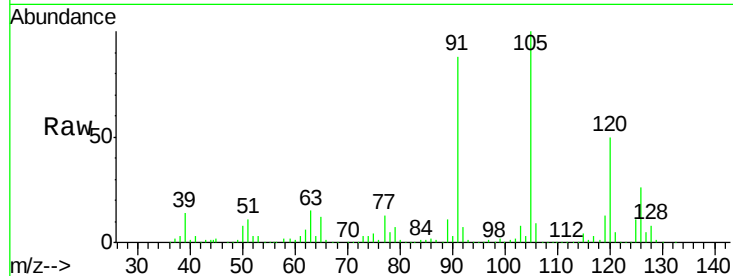
#80
 1,3,5-Trimethylbenzene
 Concen: 49.555 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion: 105 Resp: 620250
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.4

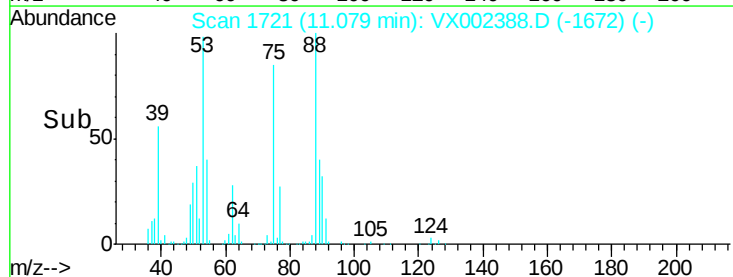
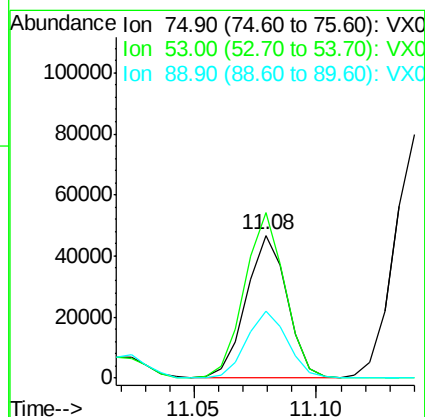
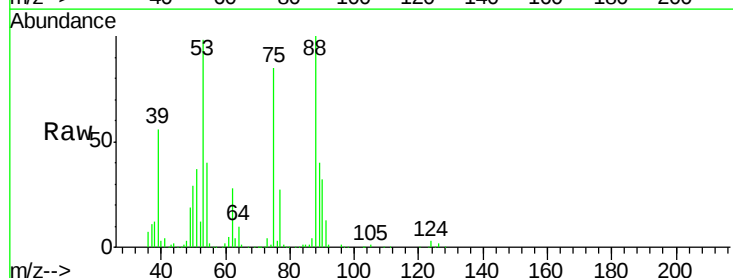
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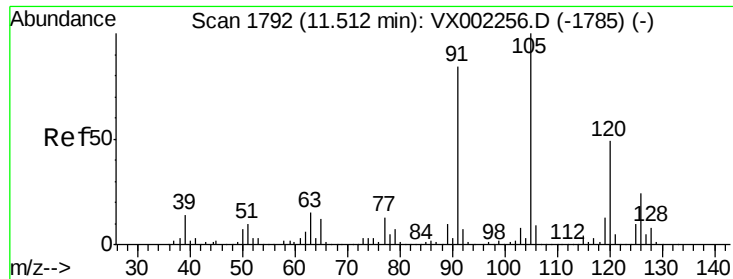
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.503 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 75 Resp: 54498
 Ion Ratio Lower Upper
 75 100
 53 115.4 86.8 130.2
 89 46.9 38.2 57.2





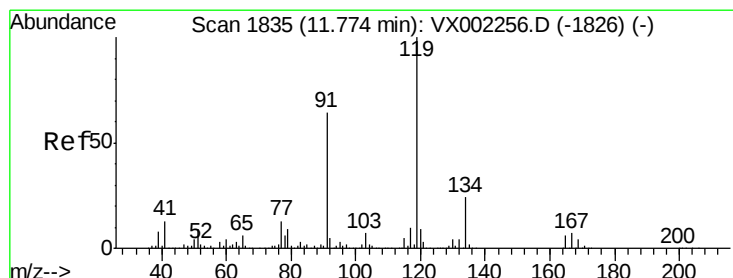
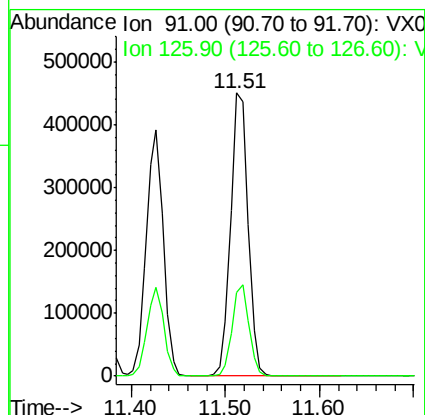
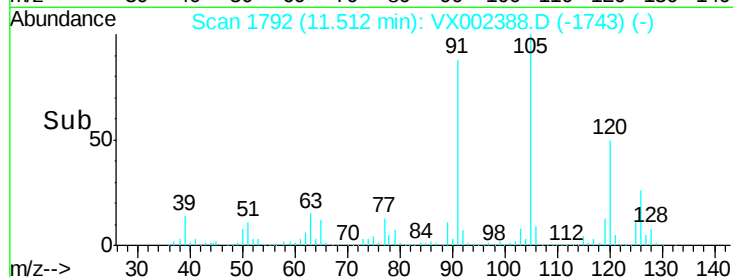
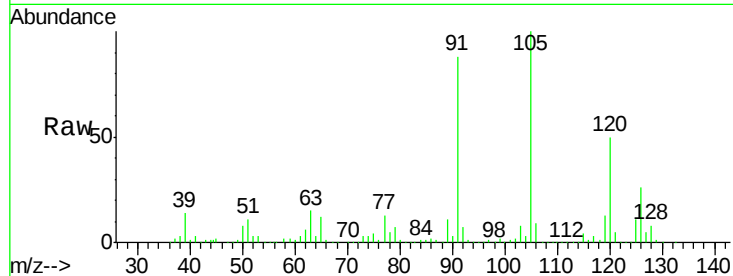
#82
4-Chlorotoluene
Concen: 49.247 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion: 91 Resp: 582162
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.4

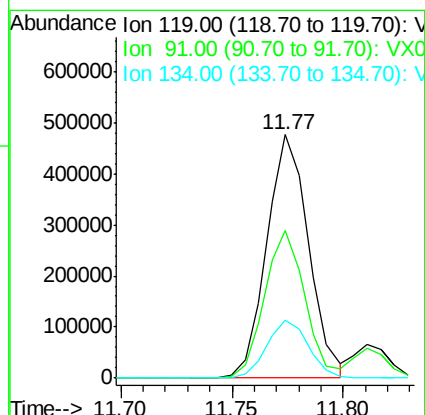
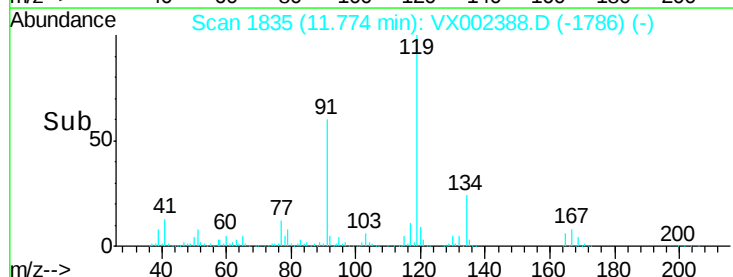
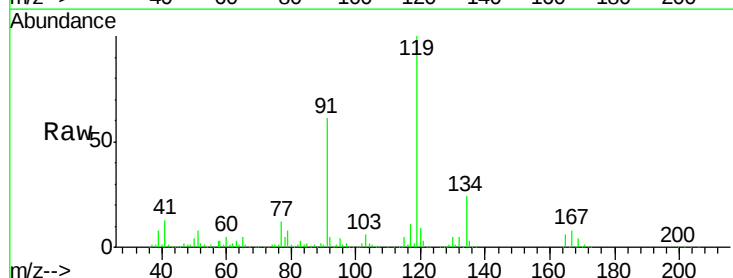
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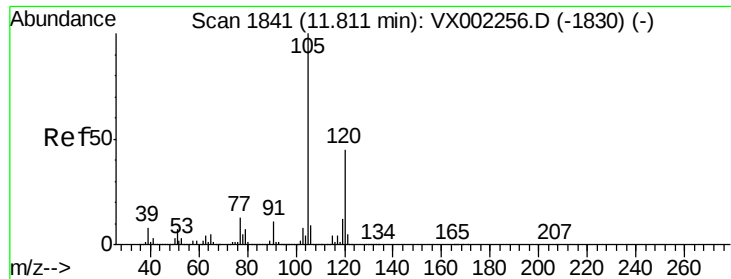
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#83
tert-Butylbenzene
Concen: 50.901 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 119 Resp: 620394
Ion Ratio Lower Upper
119 100
91 58.7 30.3 90.9
134 23.5 11.7 35.1





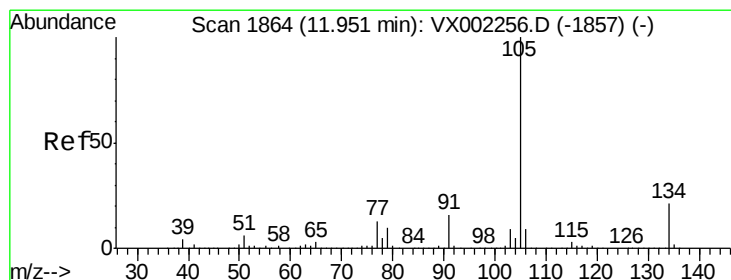
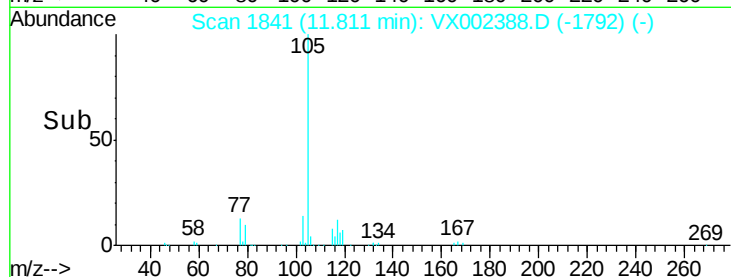
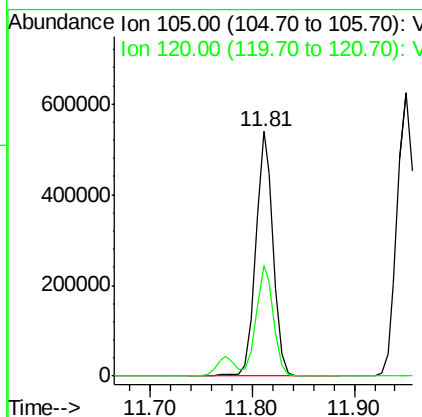
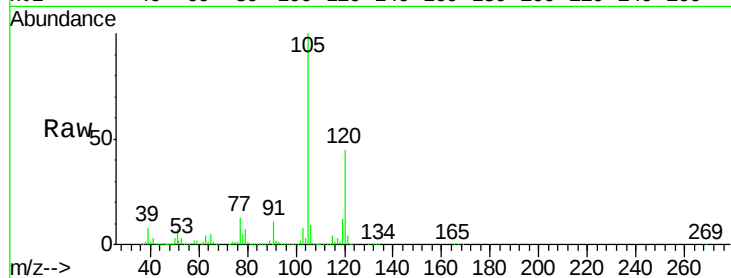
#84
1,2,4-Trimethylbenzene
Concen: 49.950 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion:105 Resp: 643570
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.8

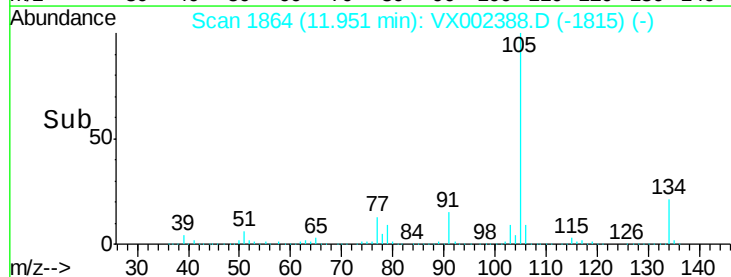
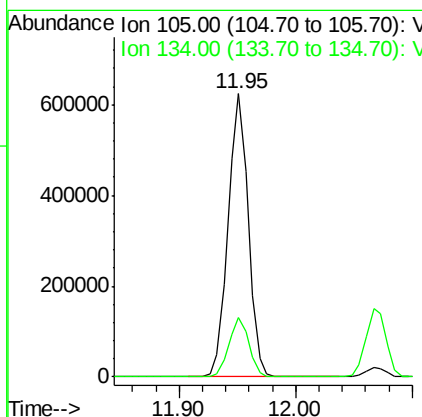
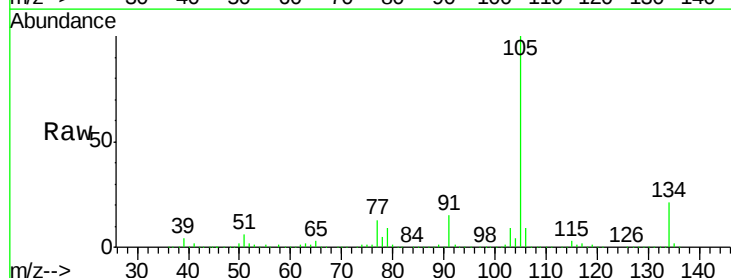
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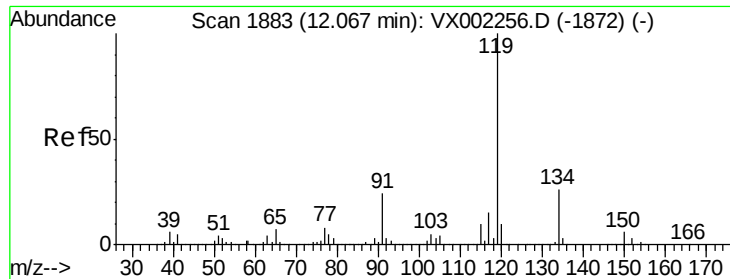
MMDadoda
6/8/2018 1:20:28 PM



#85
sec-Butylbenzene
Concen: 52.480 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion:105 Resp: 749871
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.1





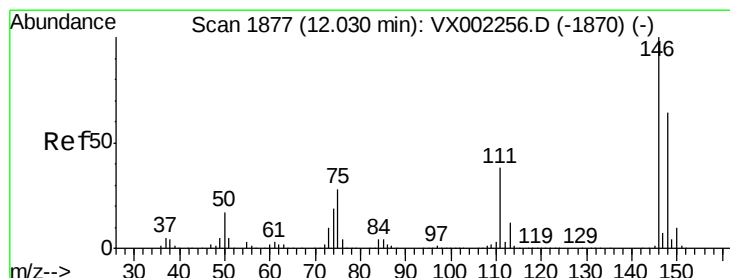
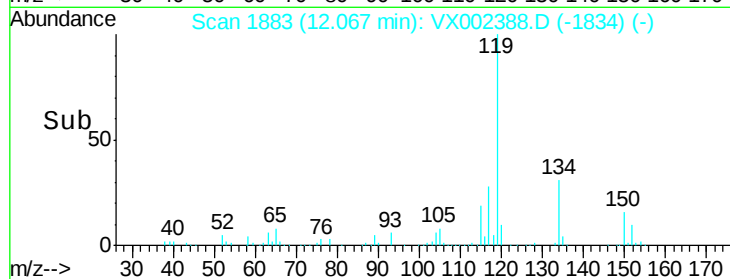
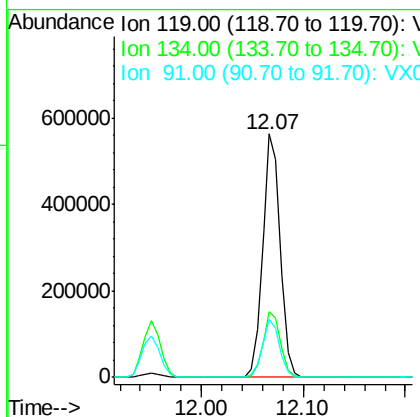
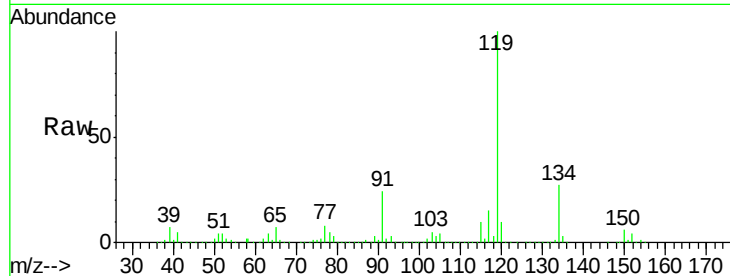
#86
p-Isopropyltoluene
Concen: 51.894 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	675410		
134	26.9	13.4	40.1	
91	23.4	11.9	35.7	

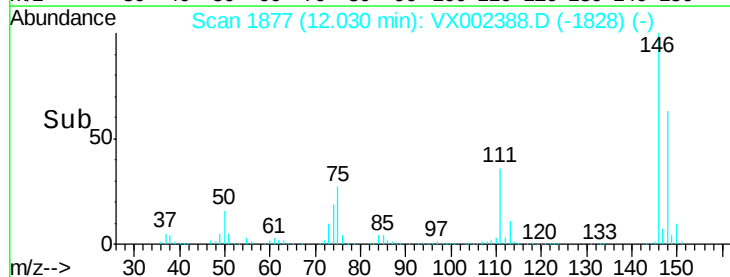
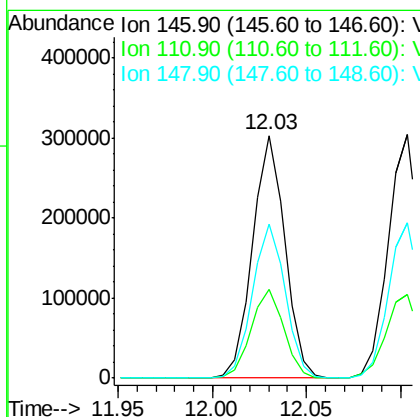
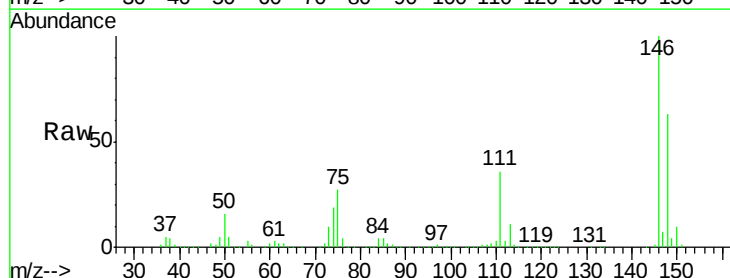
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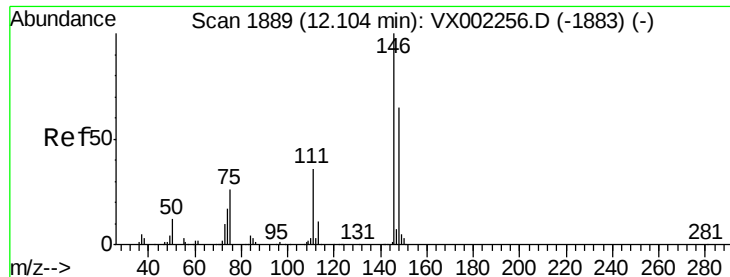
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#87
1,3-Dichlorobenzene
Concen: 49.330 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	361342		
111	36.9	18.9	56.7	
148	64.3	32.1	96.3	





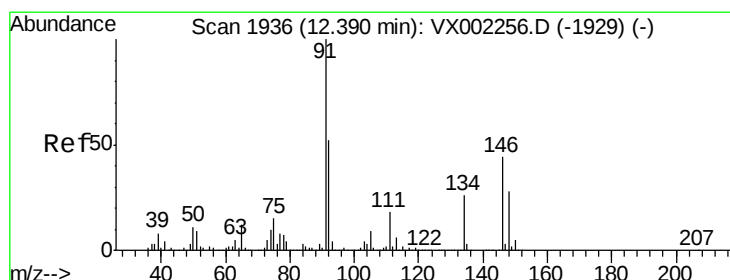
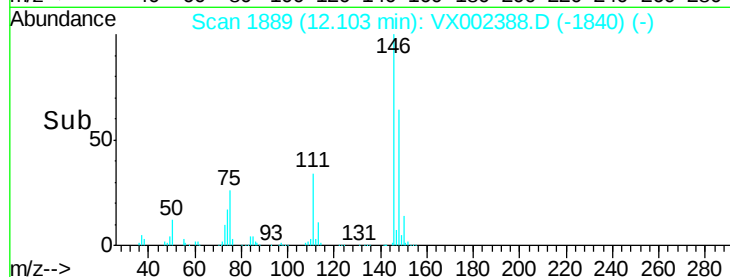
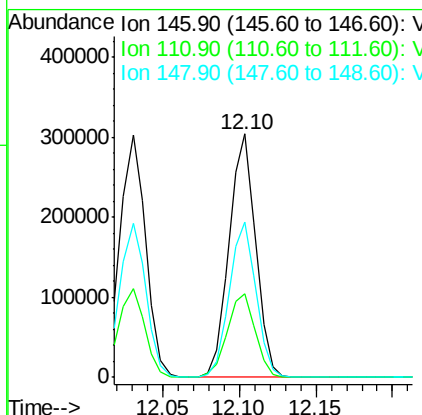
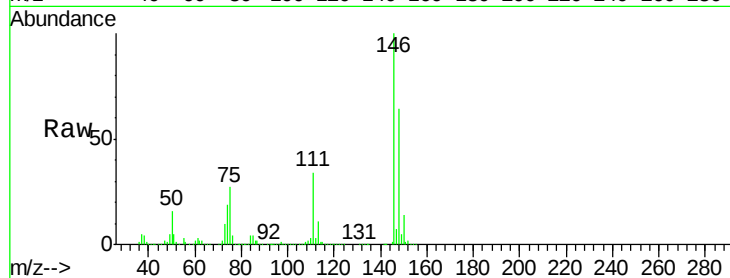
#88
 1,4-Dichlorobenzene
 Concen: 48.447 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	365787		
111	36.3	18.7	56.1	
148	64.2	32.4	97.0	

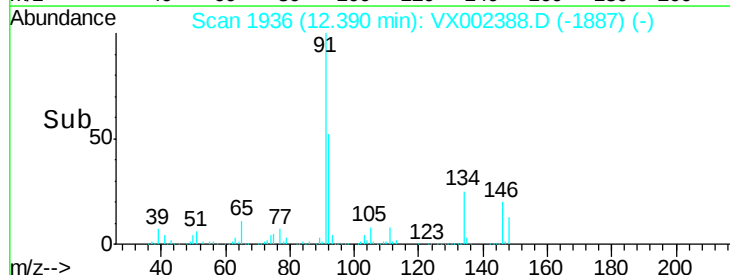
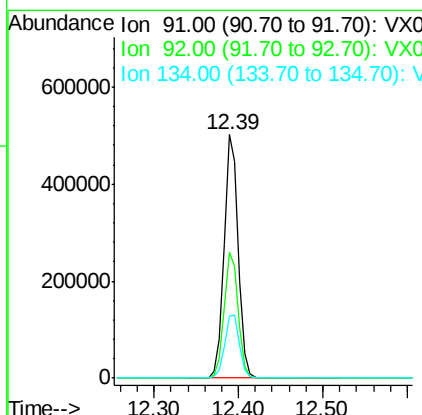
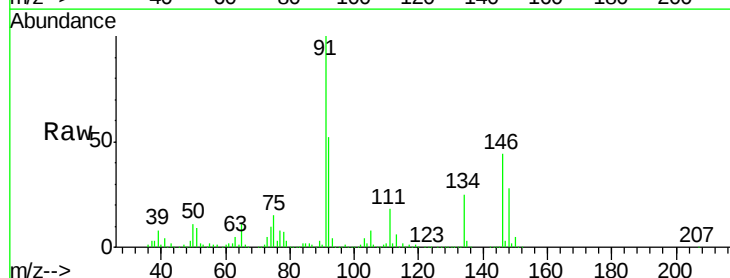
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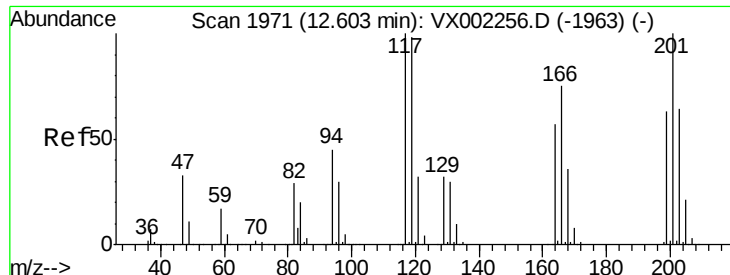
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 6/8/2018 1:20:28 PM



#89
 n-Butylbenzene
 Concen: 52.962 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	578114		
92	51.8	26.0	78.0	
134	27.1	13.5	40.5	





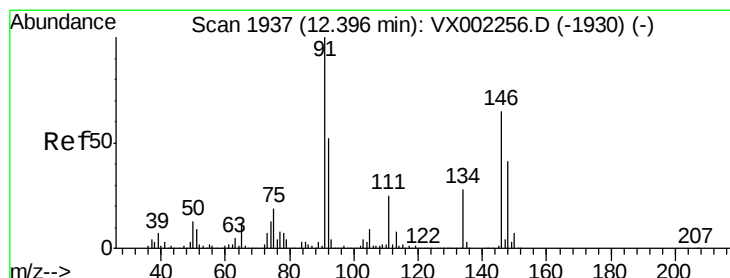
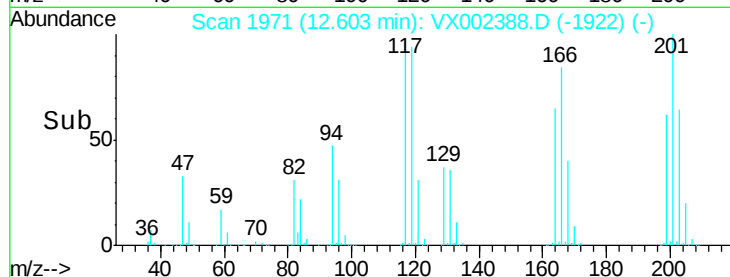
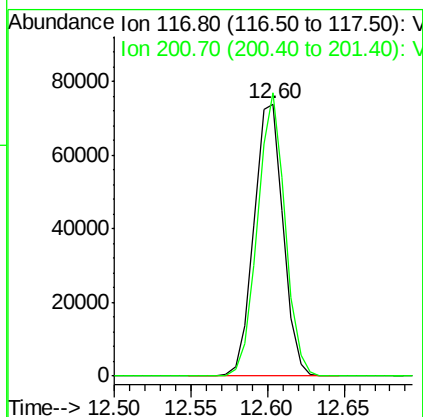
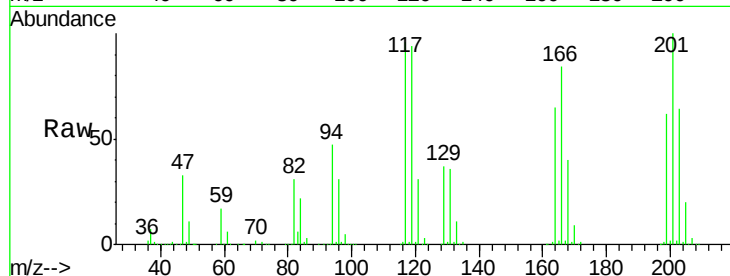
#90
Hexachloroethane
Concen: 47.211 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tgt Ion:117 Resp: 98086
Ion Ratio Lower Upper
117 100
201 98.2 49.0 147.0

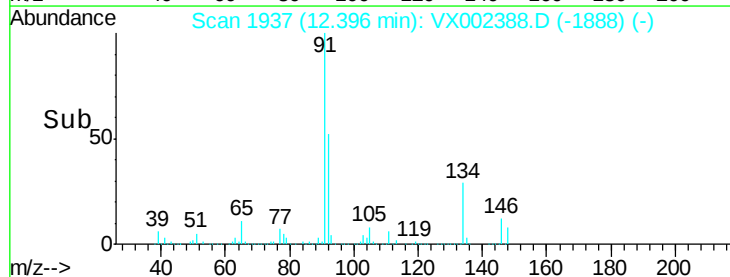
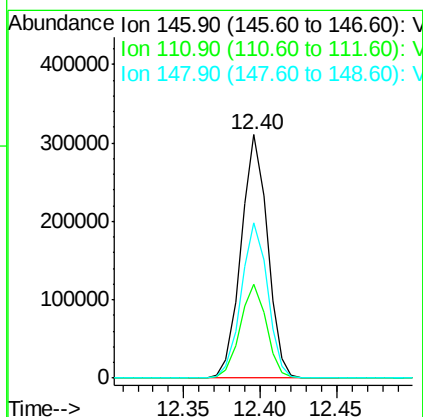
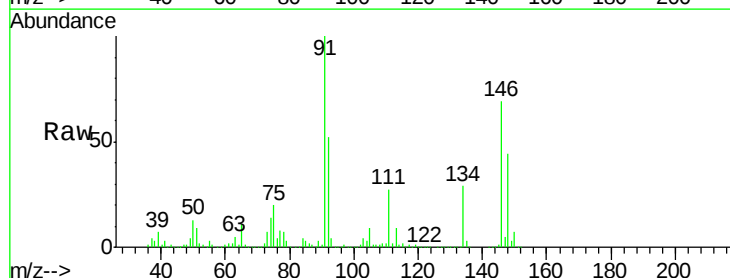
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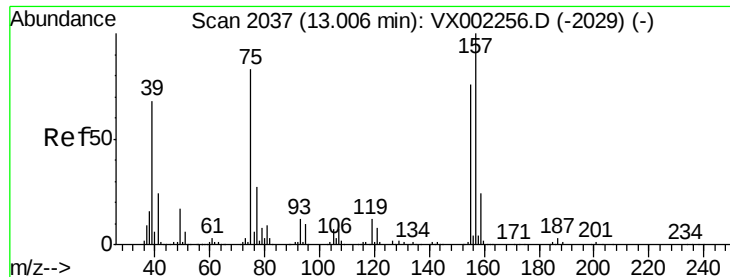
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 49.023 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion:146 Resp: 371539
Ion Ratio Lower Upper
146 100
111 38.7 19.4 58.1
148 63.8 31.7 95.1





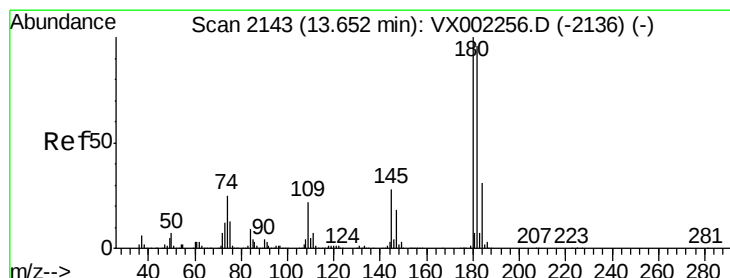
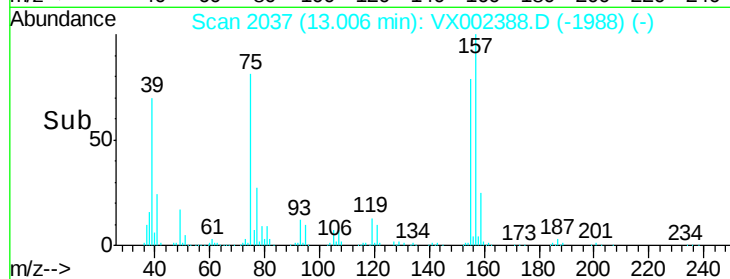
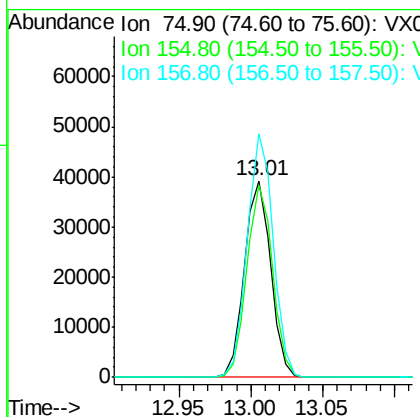
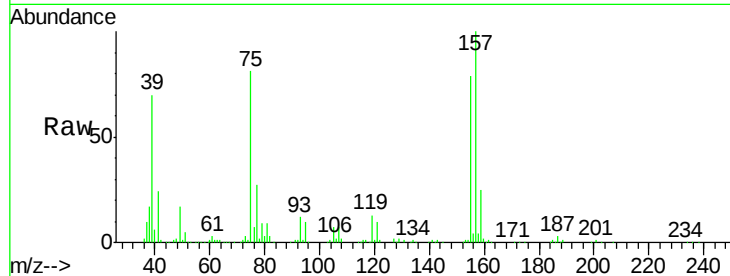
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.408 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	121.7	60.1	180.3

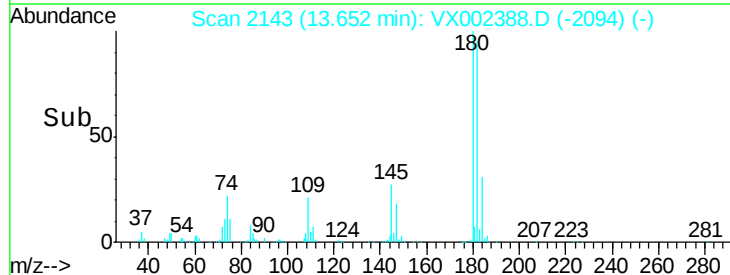
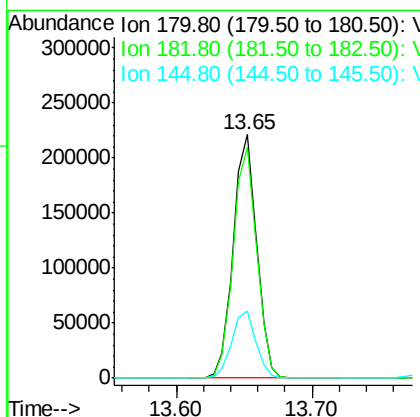
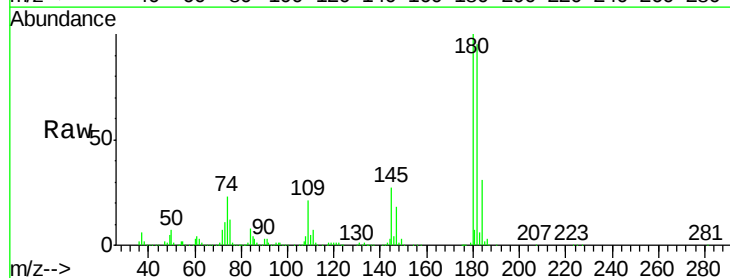
Manual Integrations
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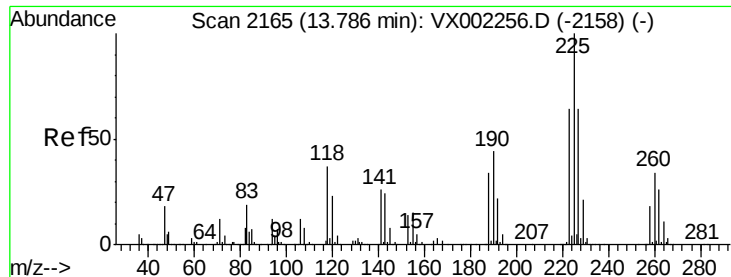
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#93
 1,2,4-Trichlorobenzene
 Concen: 49.902 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	28.2	14.1	42.4





#94

Hexachlorobutadiene

Concen: 53.359 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

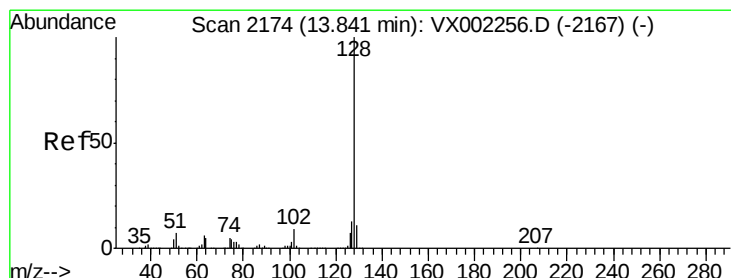
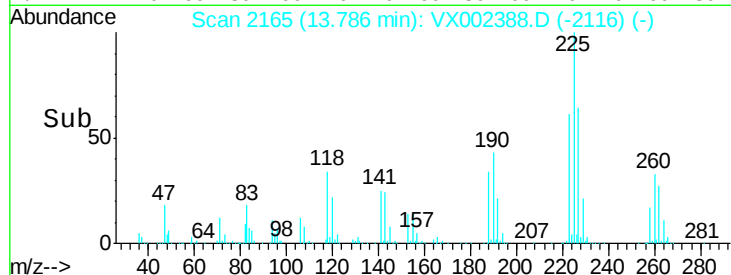
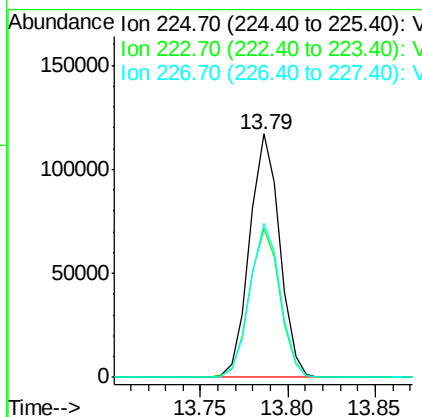
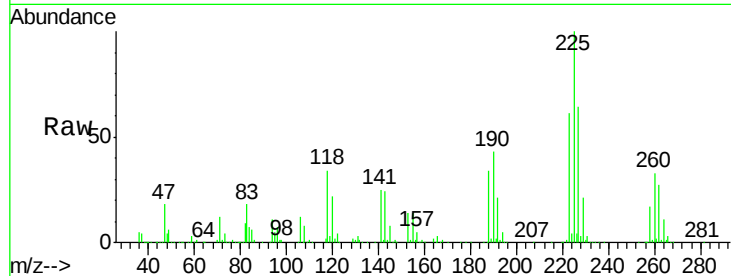
ClientSampleId :

LF5-0064MS

Tgt Ion:	225	Resp:	140123
Ion Ratio		Lower	Upper
225	100		
223	62.2	31.6	95.0
227	63.5	32.4	97.2

Manual Integrations
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#95

Naphthalene

Concen: 51.219 ug/l

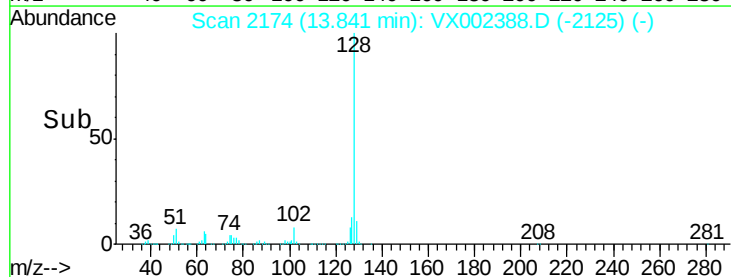
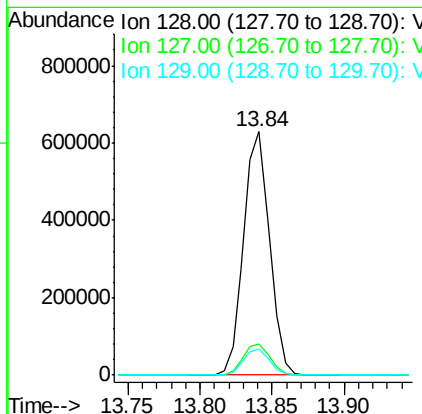
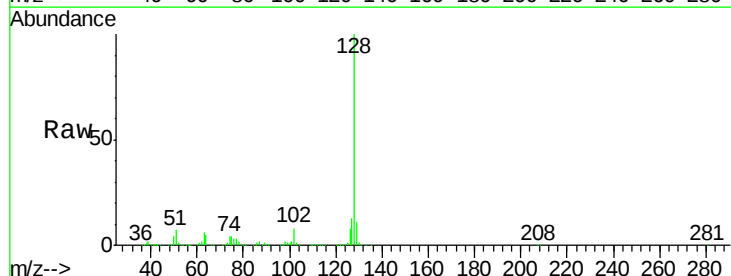
RT: 13.84 min Scan# 2174

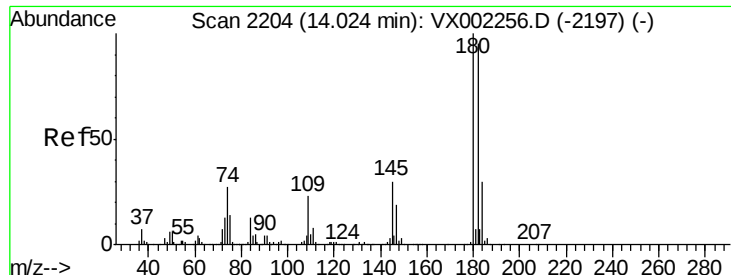
Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion:	128	Resp:	782060
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 50.278 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272490		
182	96.5	48.0	144.0	
145	29.3	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
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