

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060718\
 Data File : VX002389.D
 Acq On : 07 Jun 2018 20:20
 Operator : JC/MD
 Sample : J3340-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 09:13:27 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	240229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162768	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	5.51	113	127349	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
50) Toluene-d8	8.72	98	488127	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
62) 4-Bromofluorobenzene	11.14	95	187478	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123226	49.344	ug/l	100
3) Chloromethane	1.32	50	136880	47.706	ug/l	99
4) Vinyl Chloride	1.41	62	155115	49.285	ug/l	99
5) Bromomethane	1.64	94	86279	48.330	ug/l	99
6) Chloroethane	1.72	64	103261	50.720	ug/l	99
7) Trichlorofluoromethane	1.93	101	262339	54.707	ug/l	98
8) Diethyl Ether	2.19	74	93790	55.291	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	144024	55.656	ug/l	100
10) Methyl Iodide	2.51	142	151750	41.691	ug/l	99
11) Tert butyl alcohol	3.08	59	196501	281.603	ug/l	98
12) 1,1-Dichloroethene	2.37	96	132193	51.690	ug/l	97
13) Acrolein	2.30	56	68996	200.340	ug/l	100
14) Allyl chloride	2.73	41	260134	46.871	ug/l	98
15) Acrylonitrile	3.15	53	407294	279.728	ug/l	99
16) Acetone	2.45	43	388471	264.010	ug/l	100
17) Carbon Disulfide	2.57	76	312070	46.298	ug/l	100
18) Methyl Acetate	2.78	43	185029	53.978	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	491473	55.447	ug/l	100
20) Methylene Chloride	2.86	84	147606	54.596	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	140118	49.684	ug/l	98
22) Diisopropyl ether	3.87	45	458674	49.453	ug/l	94
23) Vinyl Acetate	3.83	43	1881979	209.176	ug/l	100
24) 1,1-Dichloroethane	3.70	63	235949	43.014	ug/l	100
25) 2-Butanone	4.71	43	530859	225.376	ug/l	100
26) 2,2-Dichloropropane	4.59	77	167642	39.097	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	141040	45.985	ug/l	94
28) Bromochloromethane	5.03	49	122825	52.851	ug/l	98
29) Tetrahydrofuran	5.17	42	345734	227.660	ug/l	98
30) Chloroform	5.22	83	248315	46.913	ug/l	98
31) Cyclohexane	5.58	56	212823	49.065	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	219430	48.882	ug/l	100
36) 1,1-Dichloropropene	5.81	75	179749	48.347	ug/l	99
37) Ethyl Acetate	4.87	43	198471	44.389	ug/l	100
38) Carbon Tetrachloride	5.79	117	191752	49.300	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX060718\
 Data File : VX002389.D
 Acq On : 07 Jun 2018 20:20
 Operator : JC/MD
 Sample : J3340-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LF5-0064MSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 09:13:27 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)
39) Methylcyclohexane	7.46	83	214539	46.724	ug/l	99
40) Benzene	6.15	78	544118	47.730	ug/l	99
41) Methacrylonitrile	5.07	41	118374	46.248	ug/l	98
42) 1,2-Dichloroethane	6.20	62	212829	46.990	ug/l	100
43) Isopropyl Acetate	6.47	43	339169	44.660	ug/l	100
44) Trichloroethene	7.22	130	152825	48.303	ug/l	98
45) 1,2-Dichloropropane	7.52	63	142962	46.453	ug/l	100
46) Dibromomethane	7.67	93	96800	46.398	ug/l	99
47) Bromodichloromethane	7.90	83	180130	47.739	ug/l	98
48) Methyl methacrylate	7.78	41	179429	47.036	ug/l	100
49) 1,4-Dioxane	7.76	88	72370	1014.627	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1144149	241.924	ug/l	100
52) Toluene	8.79	92	354817	48.937	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	208941	46.176	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	197562	46.278	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143945	48.271	ug/l	99
56) Ethyl methacrylate	9.18	69	226047	47.480	ug/l	99
57) 1,3-Dichloropropane	9.38	76	236700	47.314	ug/l	99
59) 2-Hexanone	9.50	43	873884	239.223	ug/l	99
60) Dibromochloromethane	9.59	129	148031	49.352	ug/l	99
61) 1,2-Dibromoethane	9.68	107	150052	48.259	ug/l	97
64) Tetrachloroethene	9.34	164	165834	47.462	ug/l	98
65) Chlorobenzene	10.14	112	407535	48.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	150442	49.286	ug/l	99
67) Ethyl Benzene	10.26	91	702954	49.827	ug/l	99
68) m/p-Xylenes	10.37	106	547707	99.872	ug/l	98
69) o-Xylene	10.70	106	269573	49.395	ug/l	99
70) Styrene	10.71	104	448009	50.215	ug/l	99
71) Bromoform	10.86	173	115752	42.872	ug/l	100
73) Isopropylbenzene	11.02	105	729188	48.449	ug/l	100
74) N-amyl acetate	6.47	43	339169	41.823	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	220435	46.568	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	215209m	45.332	ug/l	
77) Bromobenzene	11.26	156	199381	47.188	ug/l	98
78) n-propylbenzene	11.37	91	832419	49.761	ug/l	100
79) 2-Chlorotoluene	11.43	91	490952	46.479	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	624238	48.356	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	55532	41.004	ug/l	97
82) 4-Chlorotoluene	11.51	91	581296	47.678	ug/l	99
83) tert-Butylbenzene	11.77	119	617928	49.156	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	638205	48.027	ug/l	99
85) sec-Butylbenzene	11.95	105	748020	50.758	ug/l	99
86) p-Isopropyltoluene	12.07	119	677135	50.444	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	361139	47.802	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	366877	47.113	ug/l	99
89) n-Butylbenzene	12.39	91	577832	51.326	ug/l	100
90) Hexachloroethane	12.60	117	100958	47.115	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	371414	47.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49762	48.072	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	266111	48.552	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060718\
Data File : VX002389.D
Acq On : 07 Jun 2018 20:20
Operator : JC/MD
Sample : J3340-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

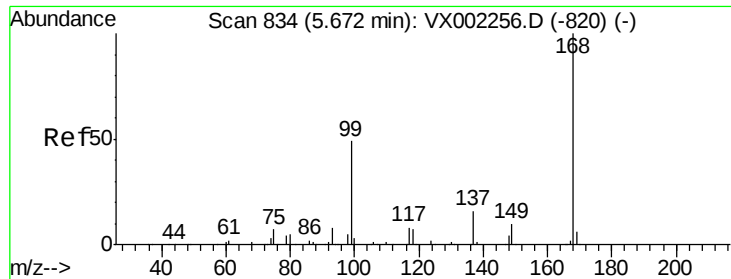
Manual Integrations
APPROVED

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

Quant Time: Jun 08 09:13:27 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)
94) Hexachlorobutadiene	13.79	225	141182	52.127	ug/l	98
95) Naphthalene	13.84	128	778217	49.417	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	273656	48.957	ug/l	99

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



#1

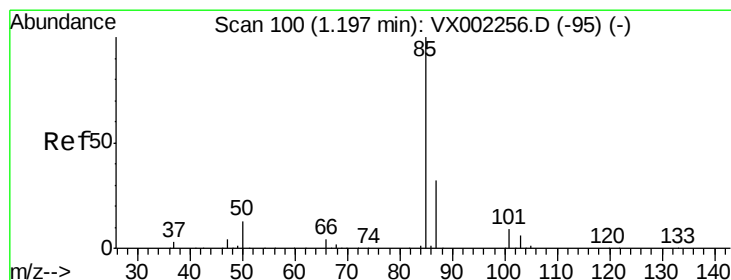
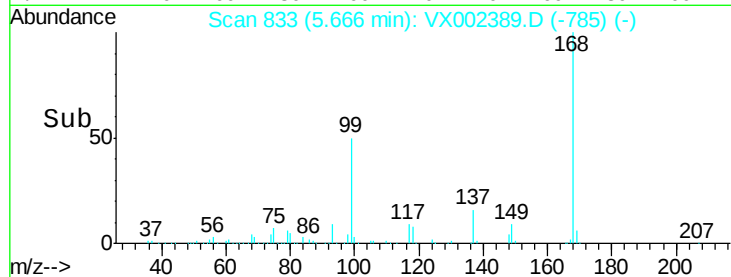
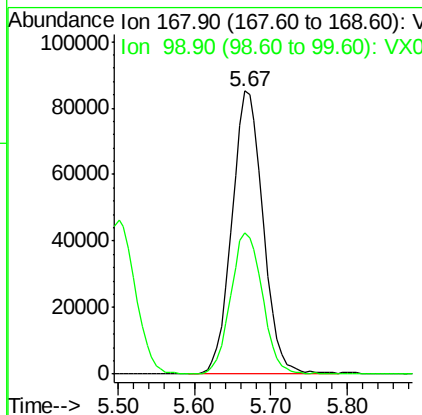
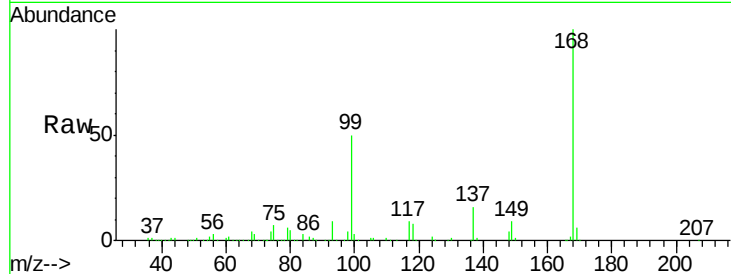
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.3	58.9

Manual Integrations
 APPROVED

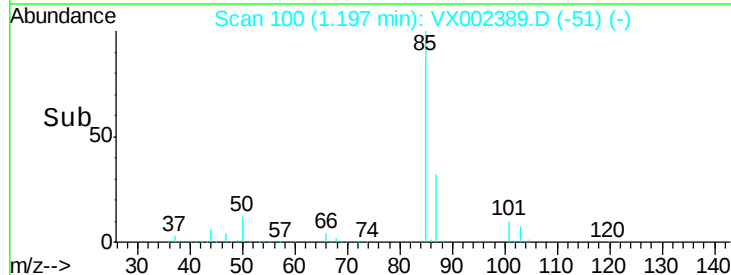
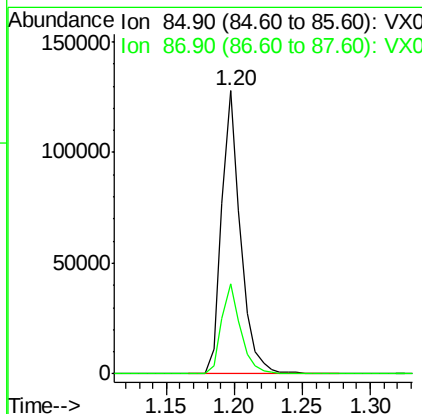
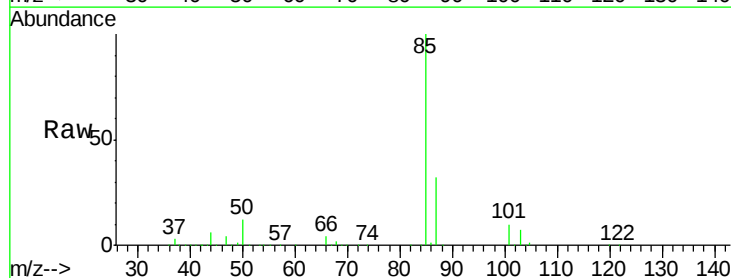
MMDadoda
 6/8/2018 1:20:28 PM



#2

Dichlorodifluoromethane
 Concen: 49.344 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.0	47.9





#3

Chloromethane

Concen: 47.706 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MSD

Tgt Ion: 50 Resp: 136880

Ion Ratio Lower Upper

50 100

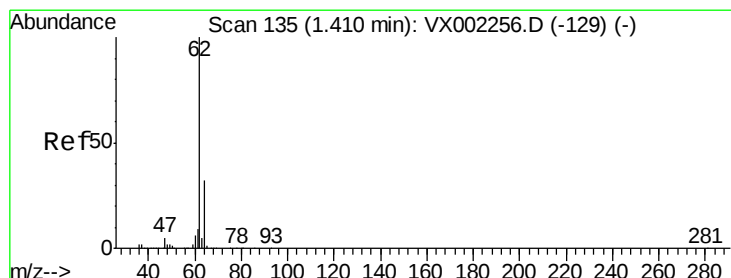
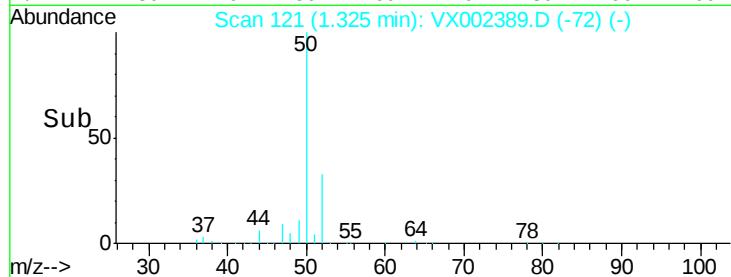
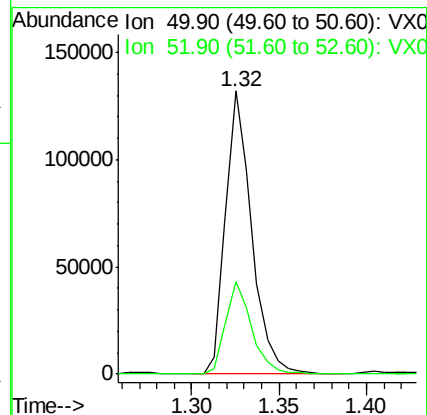
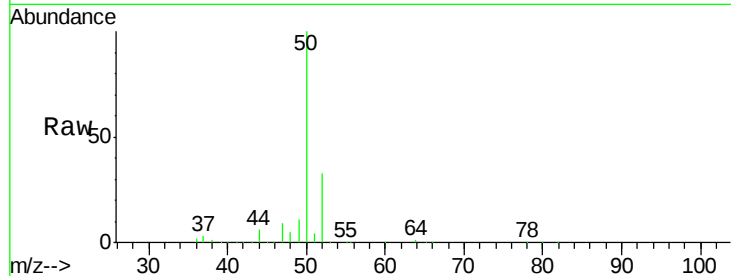
52 32.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



#4

Vinyl Chloride

Concen: 49.285 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002389.D

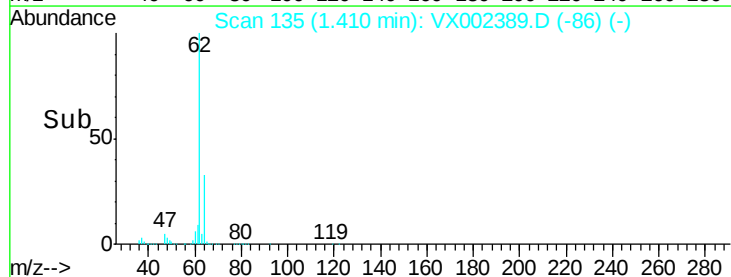
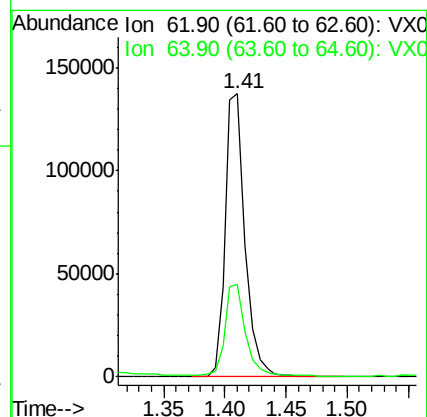
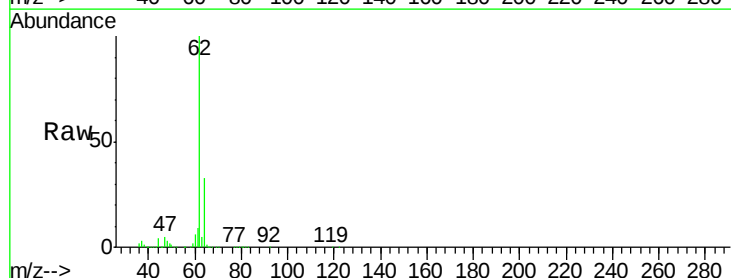
Acq: 07 Jun 2018 20:20

Tgt Ion: 62 Resp: 155115

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 48.330 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 94 Resp: 86279

Ion Ratio Lower Upper

94 100

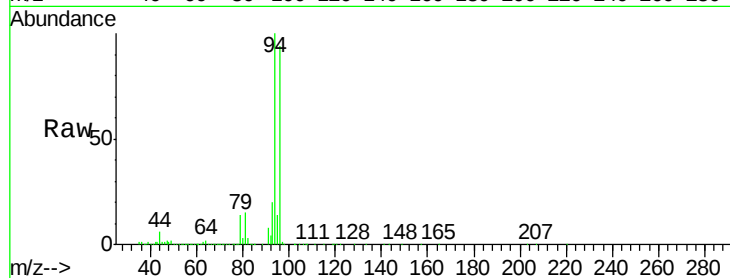
96 94.2 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

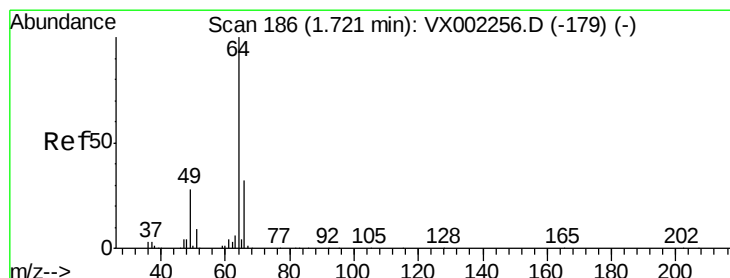
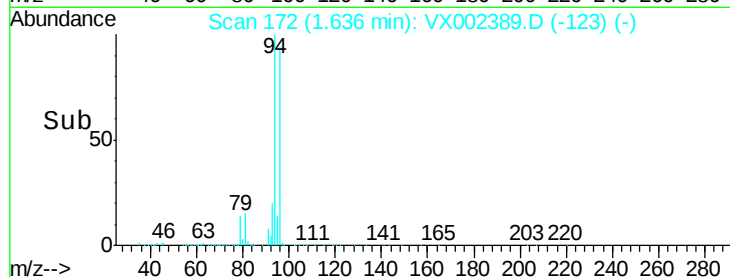
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.720 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002389.D

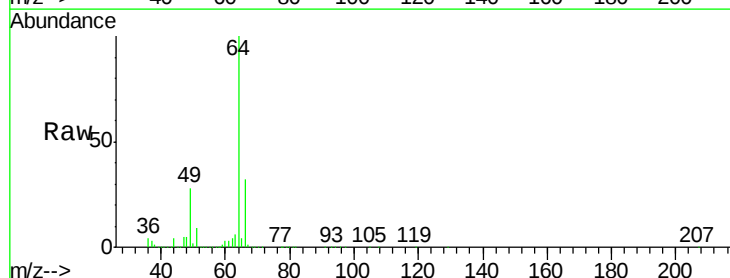
Acq: 07 Jun 2018 20:20

Tgt Ion: 64 Resp: 103261

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

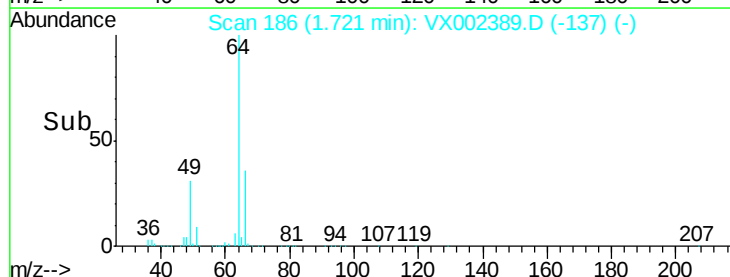
60000

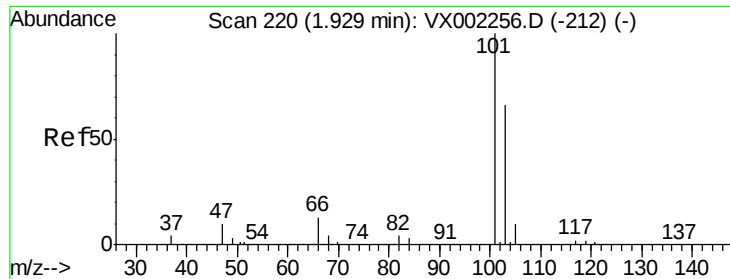
40000

20000

0

Time-->





#7

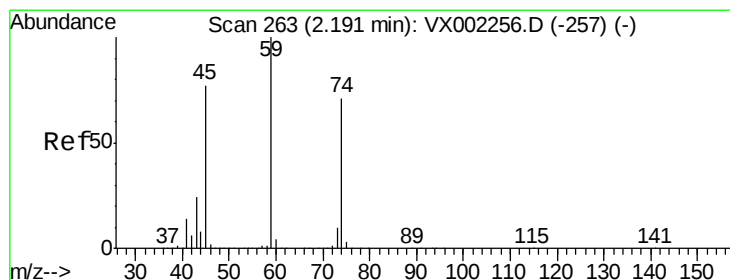
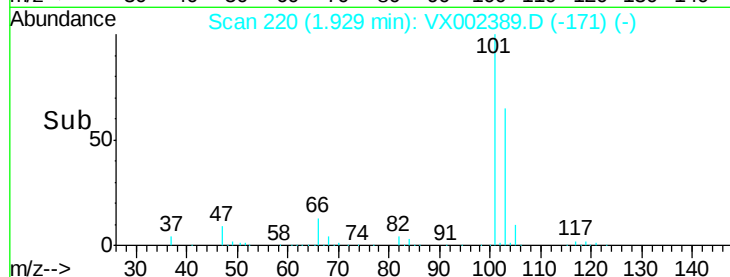
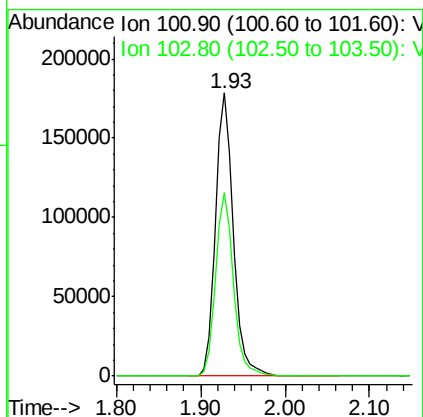
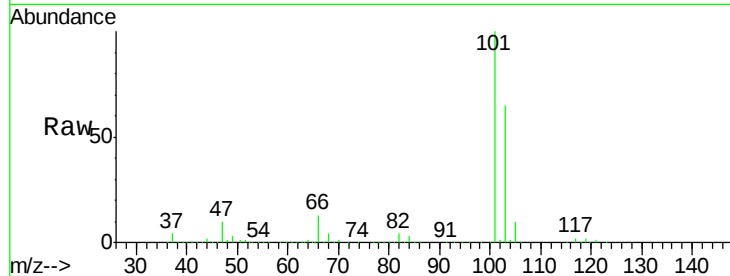
Trichlorofluoromethane
Concen: 54.707 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

Manual Integrations
APPROVED

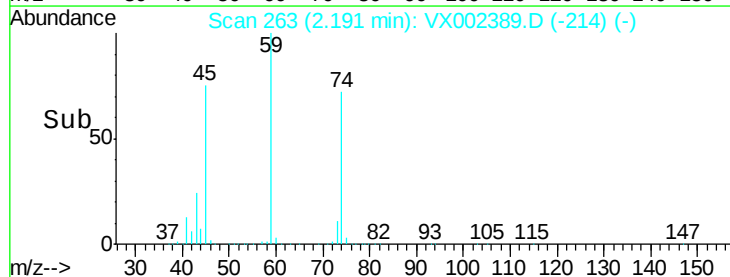
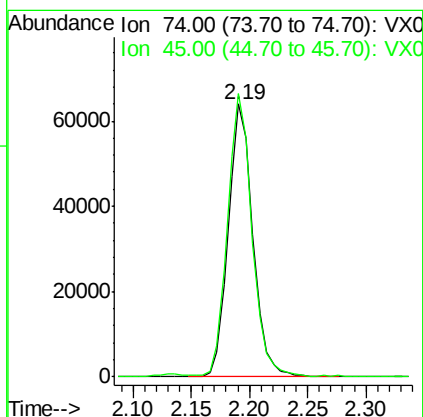
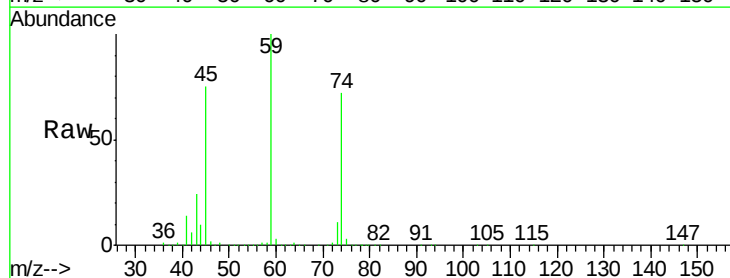
MMDadoda
6/8/2018 1:20:28 PM

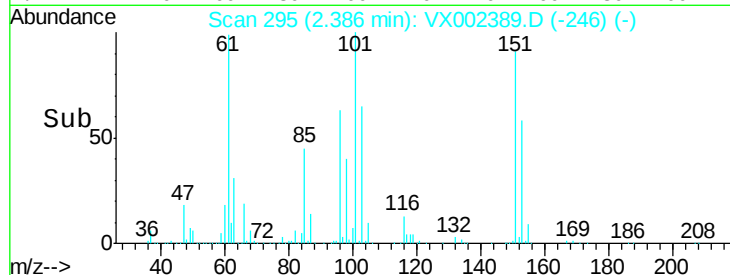
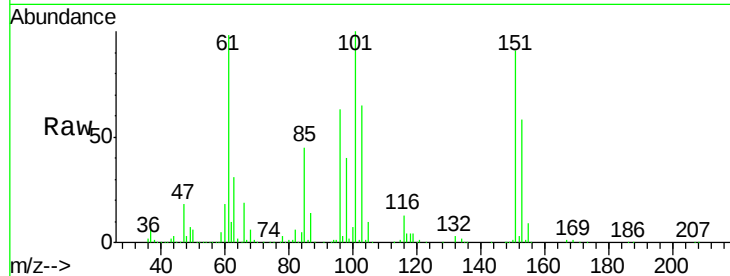
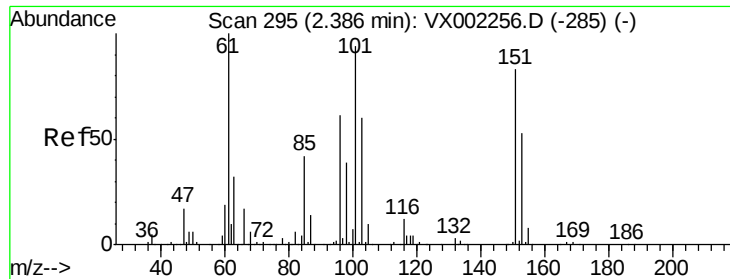


#8

Diethyl Ether
Concen: 55.291 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	53.1	159.4





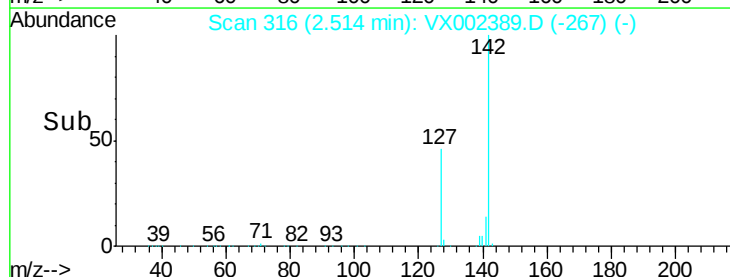
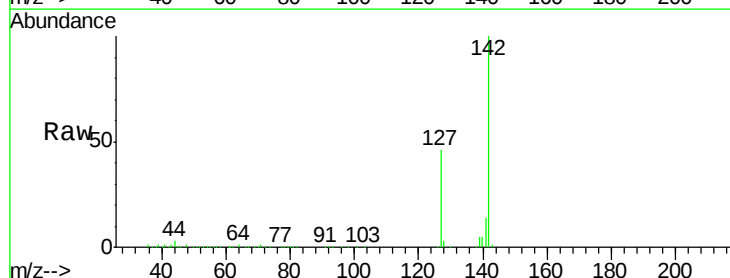
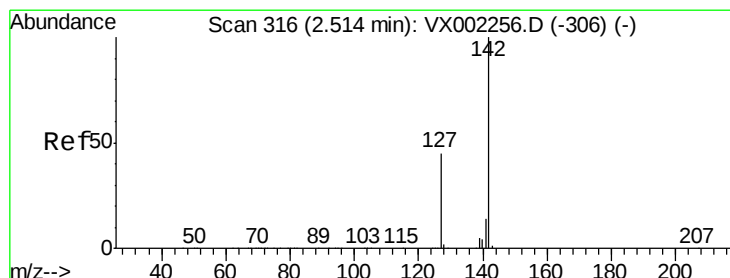
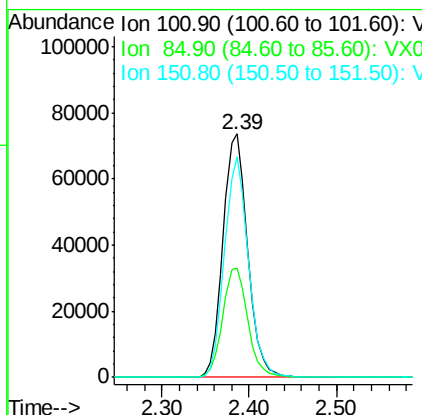
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.656 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	144024		
85	45.5	36.0	54.0	
151	88.5	70.9	106.3	

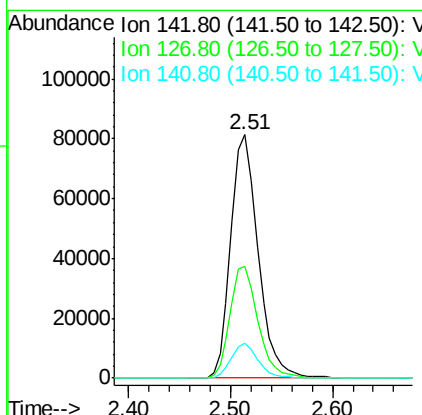
Manual Integrations
APPROVED

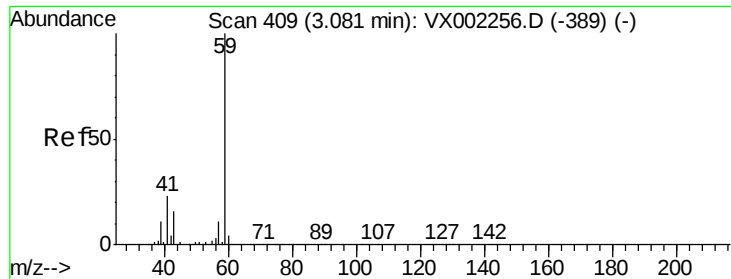
MMDadoda
6/8/2018 1:20:28 PM



#10
Methyl Iodide
Concen: 41.691 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	151750		
127	46.8	36.6	55.0	
141	14.1	11.3	16.9	





#11

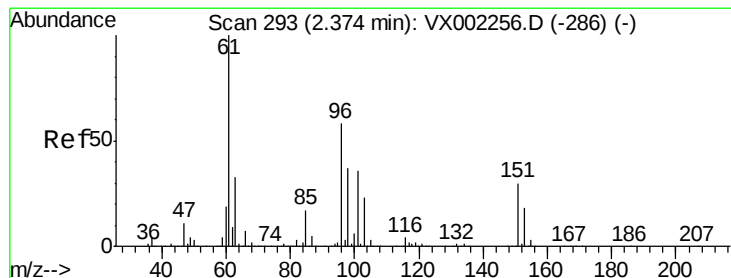
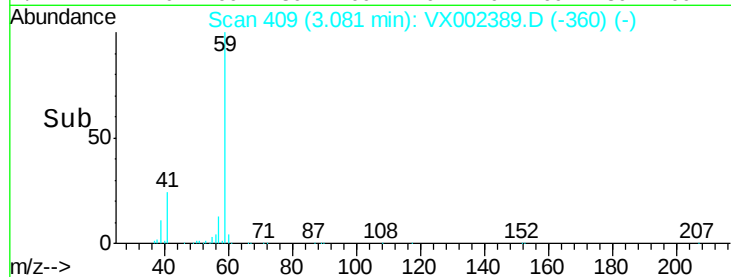
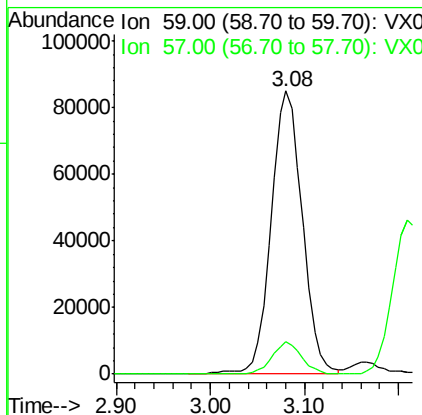
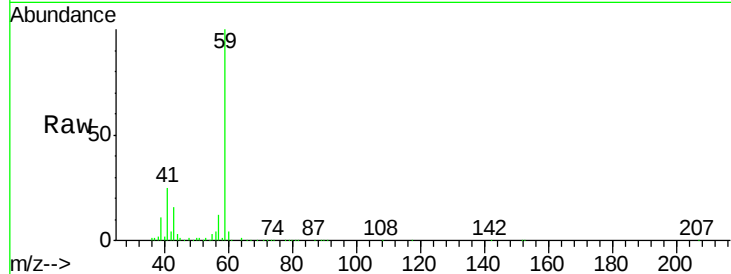
Tert butyl alcohol
 Concen: 281.603 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
 APPROVED

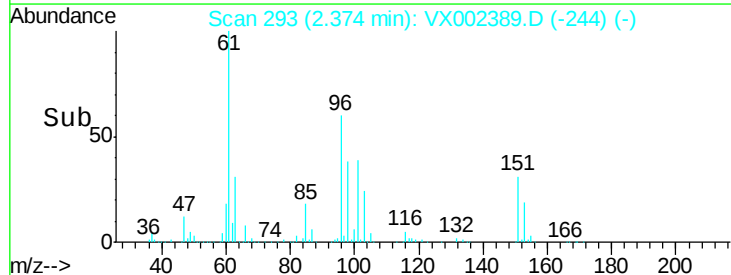
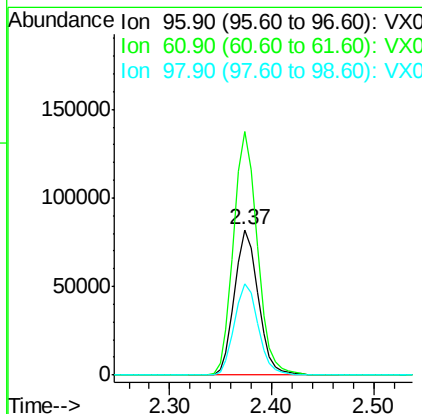
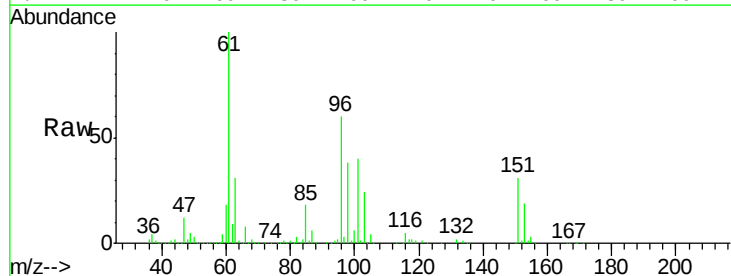
MMDadoda
 6/8/2018 1:20:28 PM

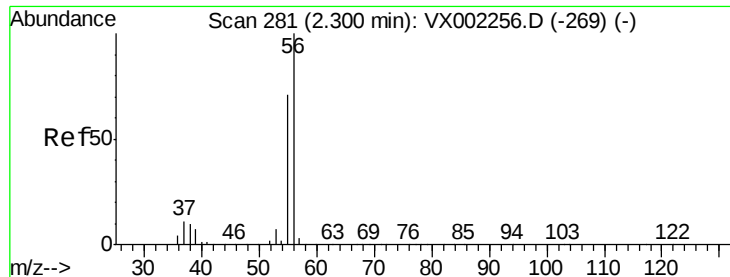


#12

1,1-Dichloroethene
 Concen: 51.690 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	137.9	206.9
98	63.2	51.6	77.4





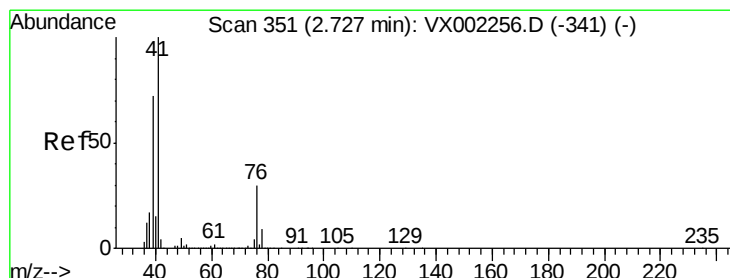
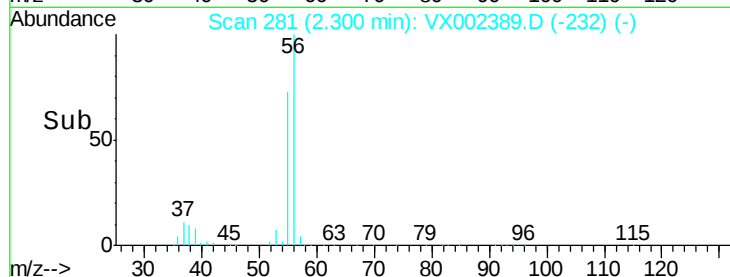
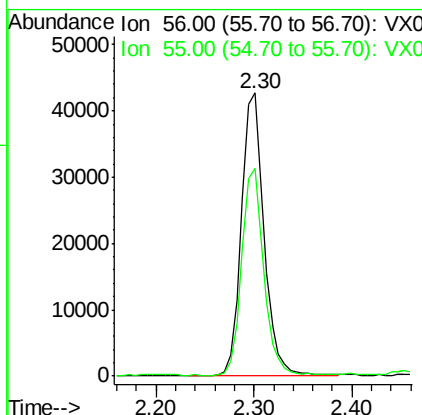
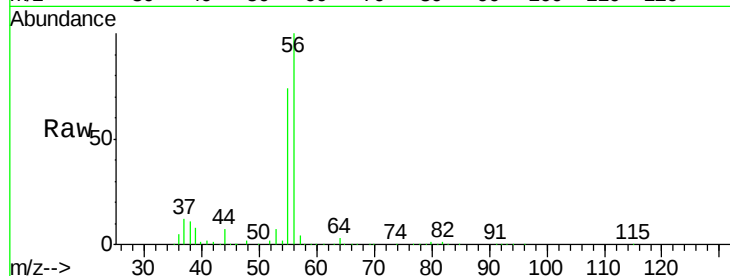
#13
Acrolein
Concen: 200.340 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion: 56 Resp: 68996
Ion Ratio Lower Upper
56 100
55 71.2 57.0 85.4

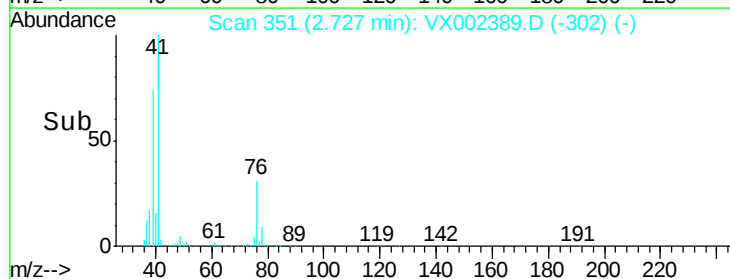
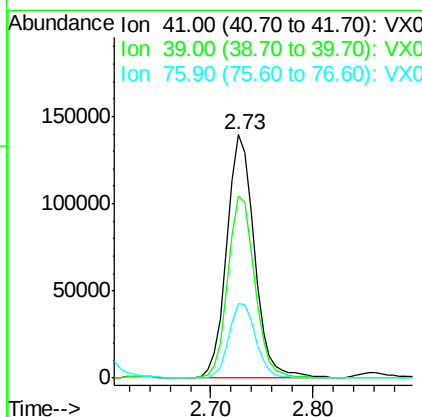
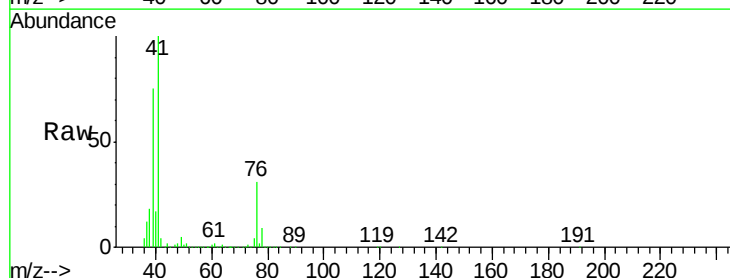
Manual Integrations
APPROVED

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



#14
Allyl chloride
Concen: 46.871 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 41 Resp: 260134
Ion Ratio Lower Upper
41 100
39 72.7 56.8 85.2
76 30.0 23.8 35.8





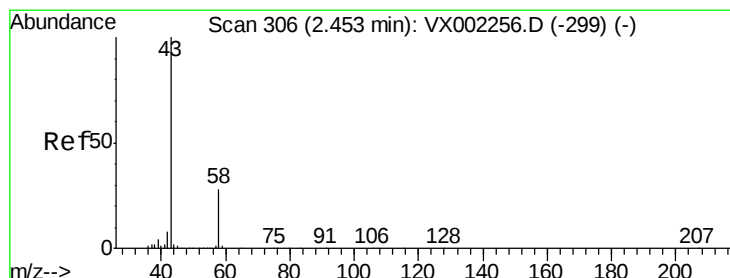
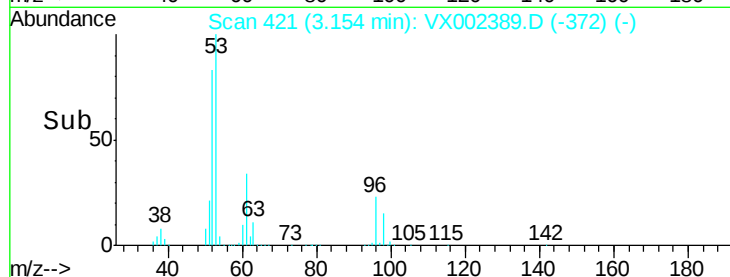
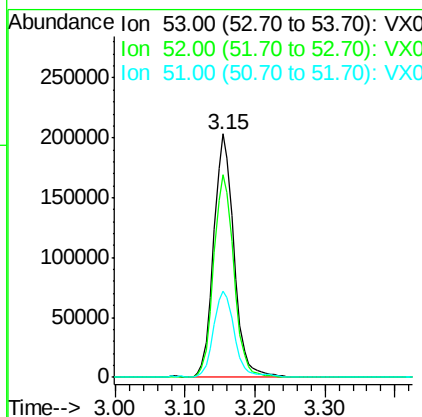
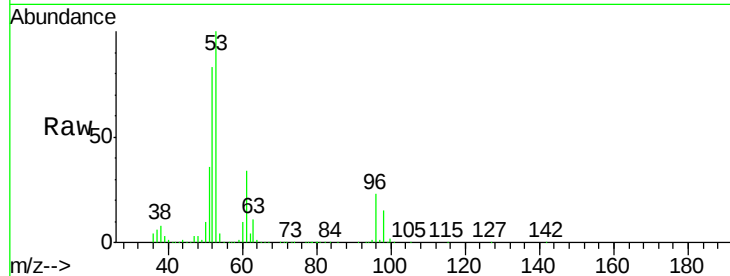
#15
Acrylonitrile
Concen: 279.728 ug/l
RT: 3.15 min Scan# 421
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	36.8	29.9	44.9

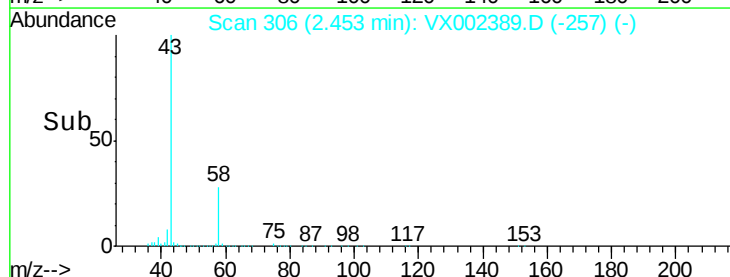
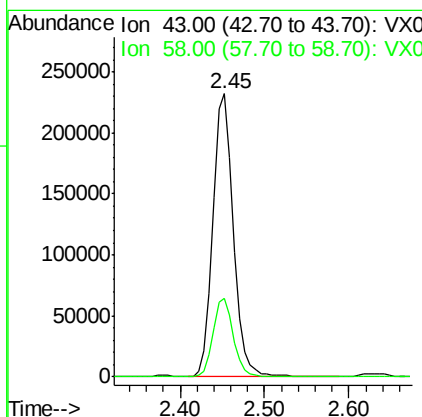
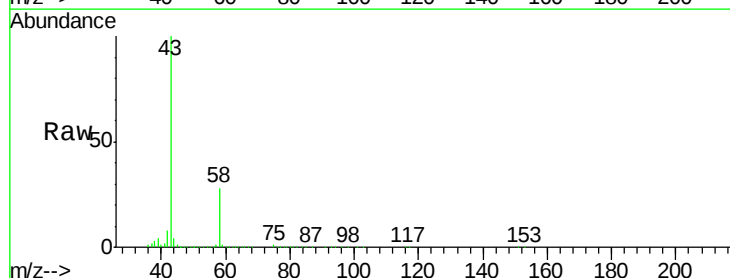
Manual Integrations
APPROVED

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



#16
Acetone
Concen: 264.010 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.1	33.1





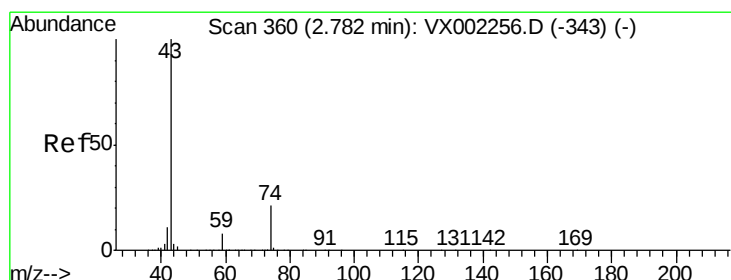
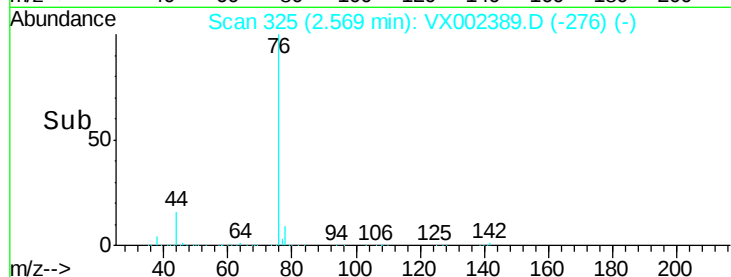
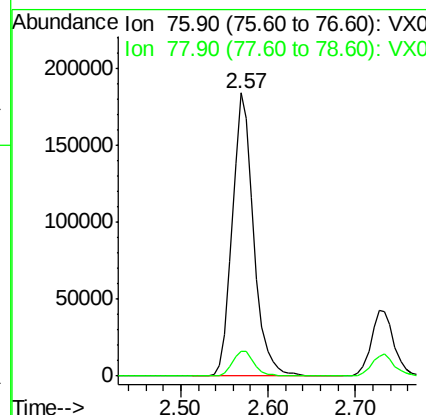
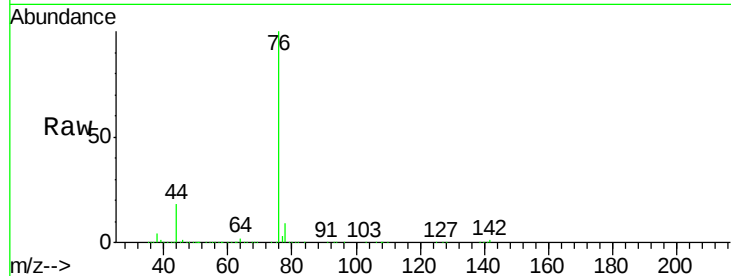
#17
Carbon Disulfide
Concen: 46.298 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

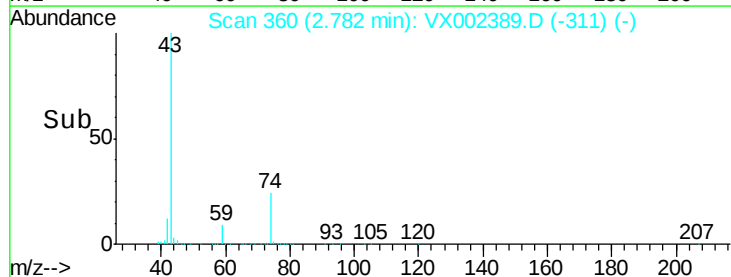
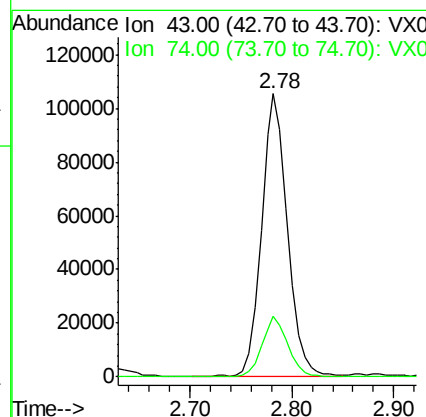
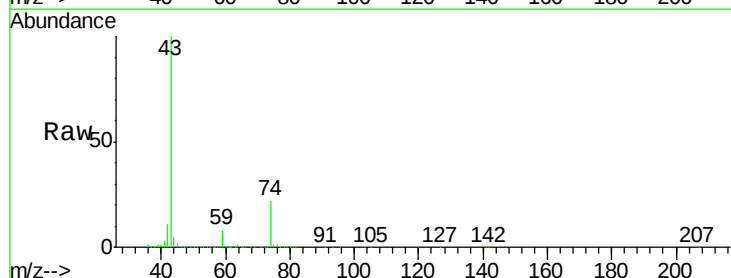
Manual Integrations
APPROVED

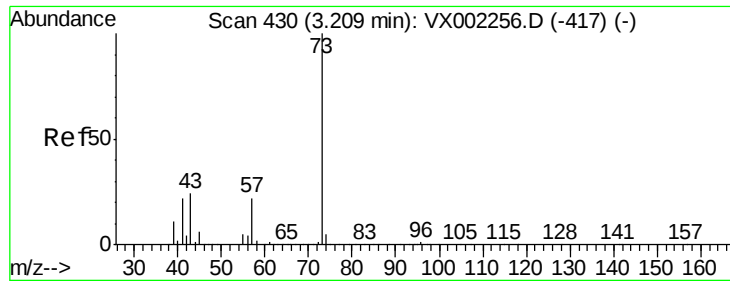
MMDadoda
6/8/2018 1:20:28 PM



#18
Methyl Acetate
Concen: 53.978 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1





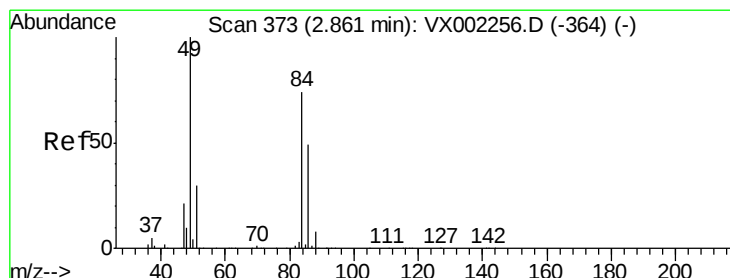
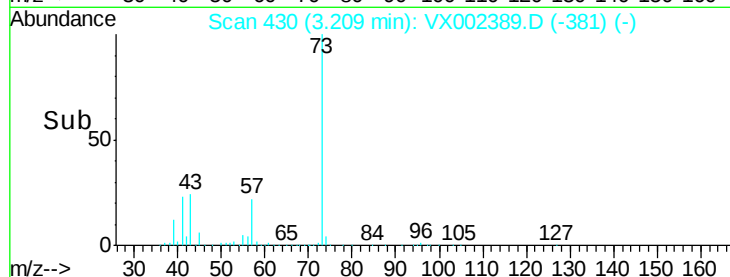
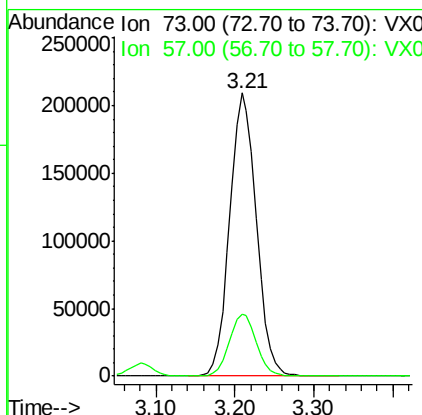
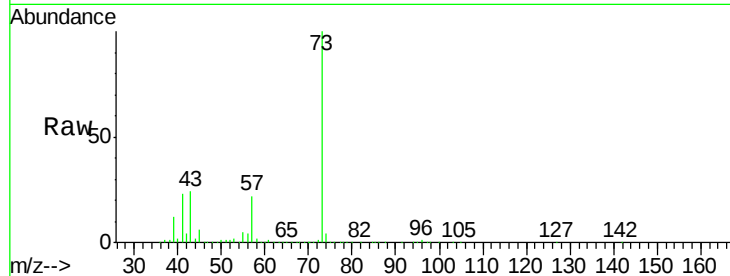
#19
Methyl tert-butyl Ether
Concen: 55.447 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion: 73 Resp: 491473
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

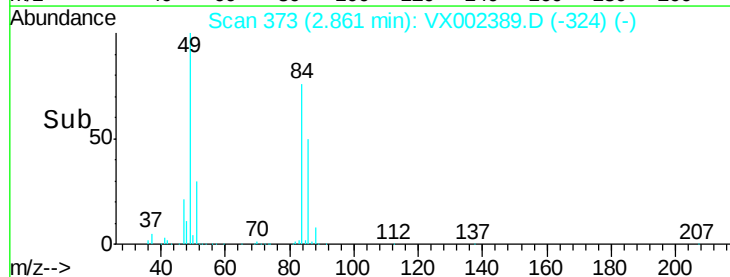
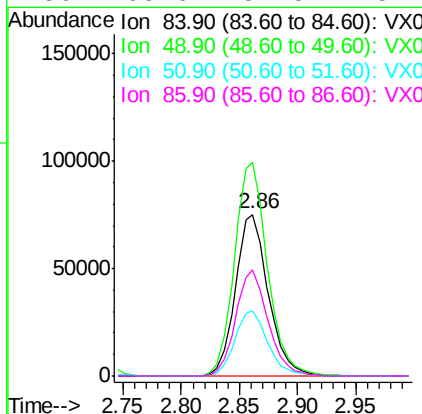
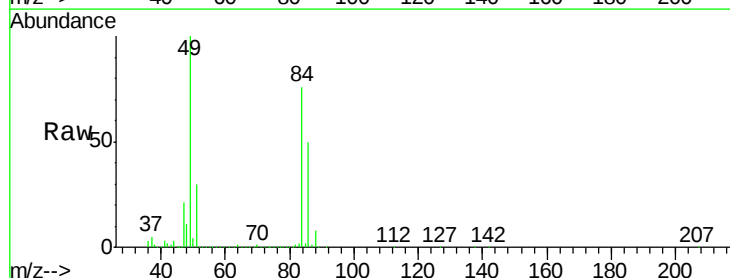
Manual Integrations
APPROVED

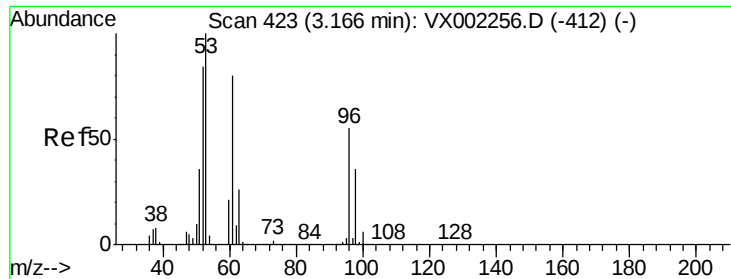
MMDadoda
6/8/2018 1:20:28 PM



#20
Methylene Chloride
Concen: 54.596 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 84 Resp: 147606
Ion Ratio Lower Upper
84 100
49 132.2 107.8 161.6
51 39.9 32.8 49.2
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.684 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

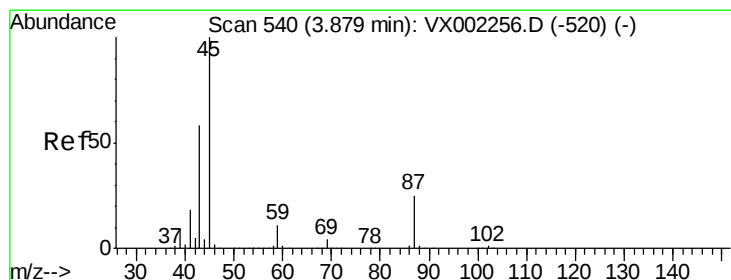
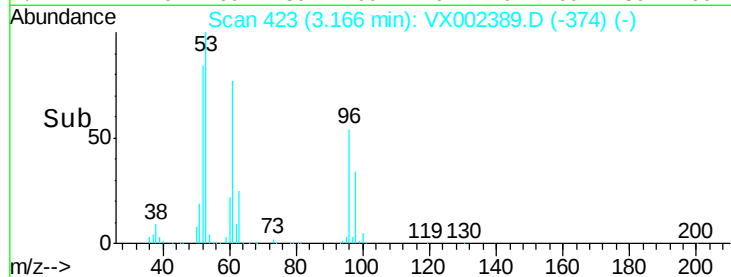
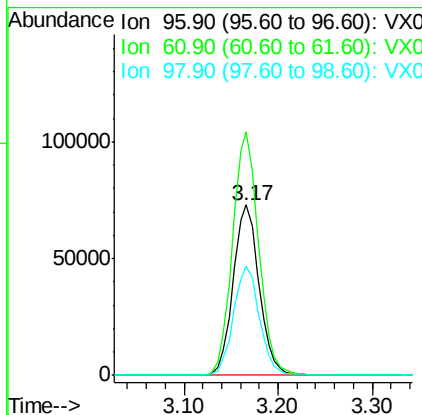
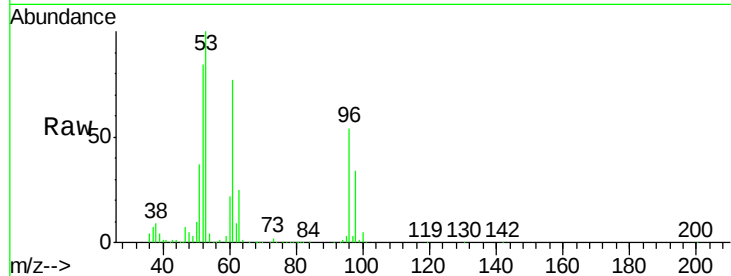
ClientSampled :

LF5-0064MSD

Tgt Ion:	96	Resp:	140118
Ion	Ratio	Lower	Upper
96	100		
61	143.0	117.0	175.4
98	63.9	52.4	78.6

Manual Integrations
APPROVED

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



#22

Diisopropyl ether

Concen: 49.453 ug/l

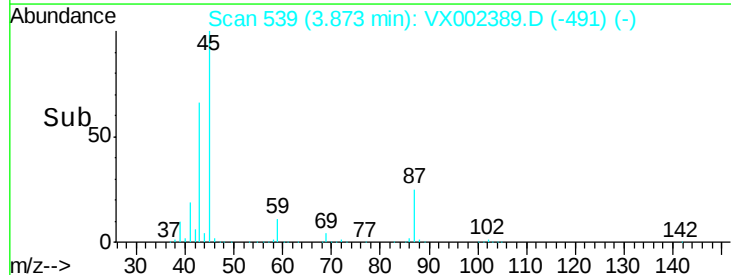
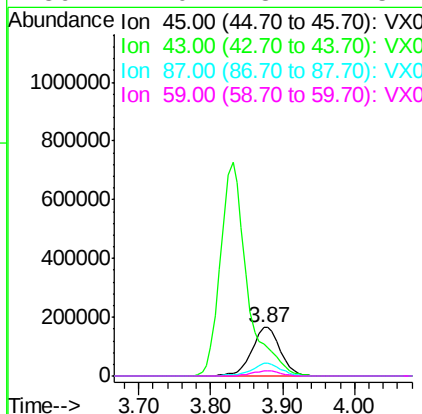
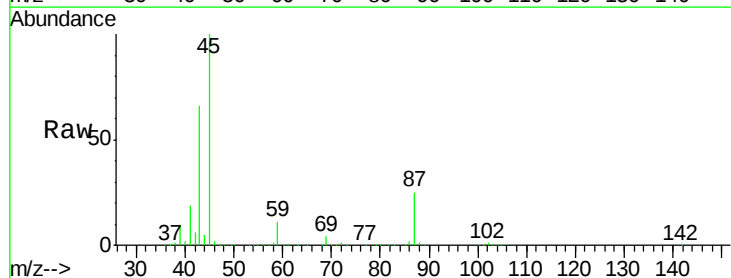
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	45	Resp:	458674
Ion	Ratio	Lower	Upper
45	100		
43	65.5	46.8	70.2
87	25.2	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 209.176 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 43 Resp: 1881979

Ion Ratio Lower Upper

43 100

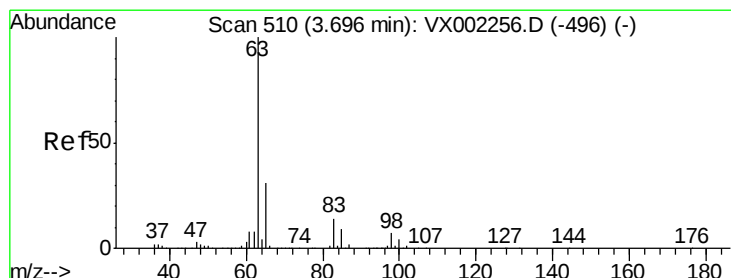
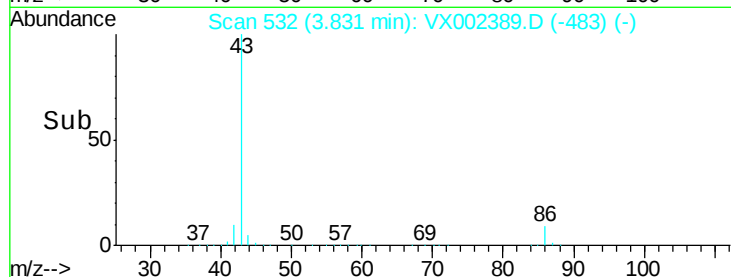
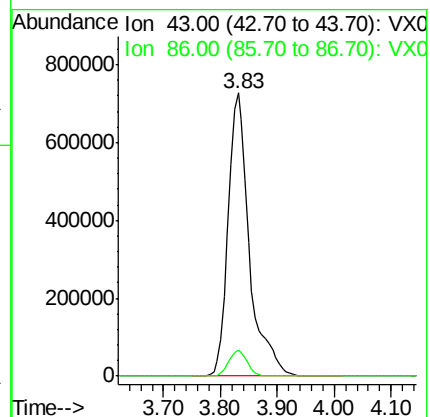
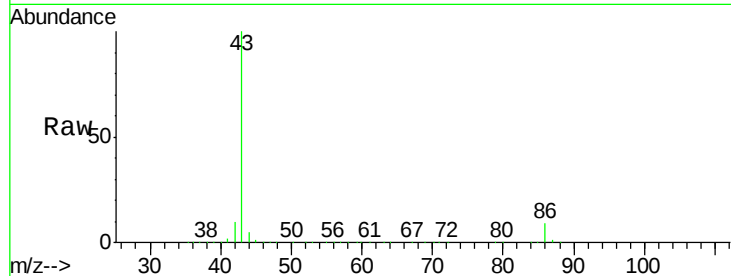
86 9.2 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



#24

1,1-Dichloroethane

Concen: 43.014 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

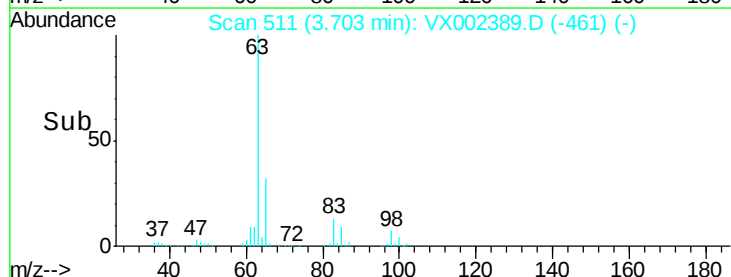
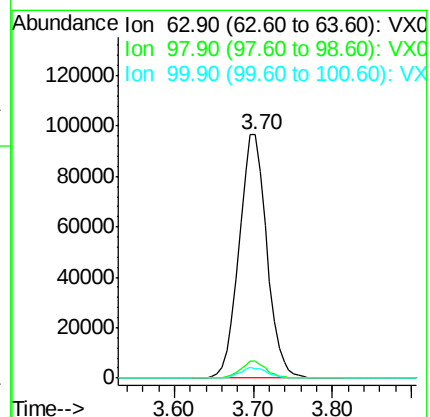
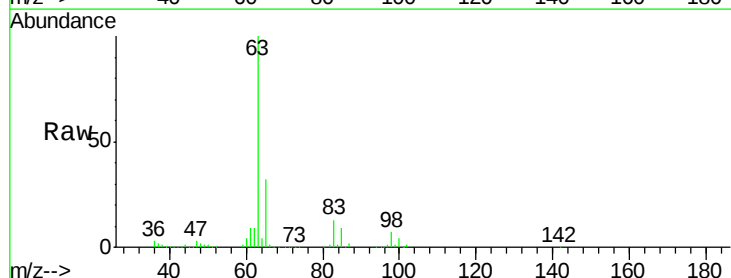
Tgt Ion: 63 Resp: 235949

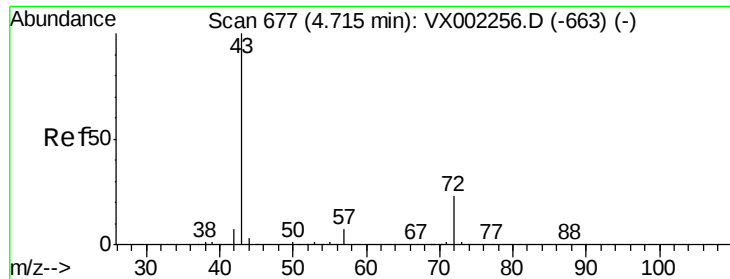
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 225.376 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 43 Resp: 530859

Ion Ratio Lower Upper

43 100

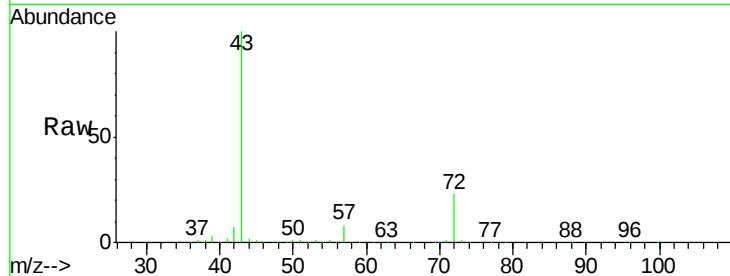
72 23.3 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

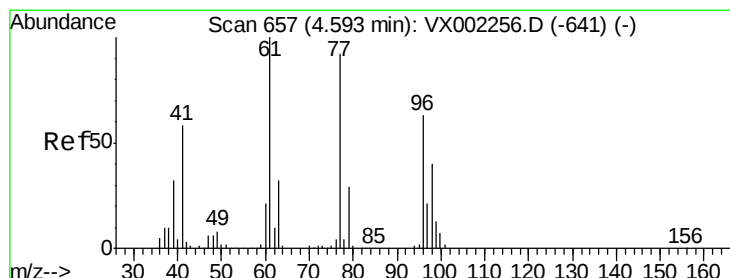
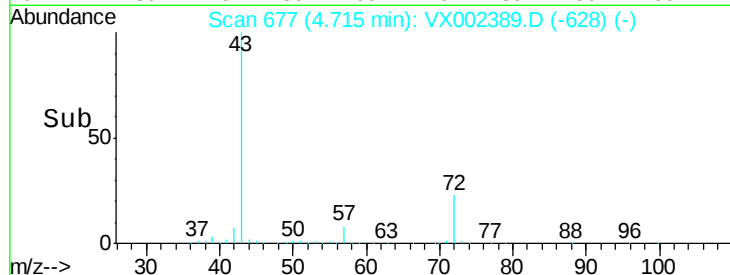
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.097 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX002389.D

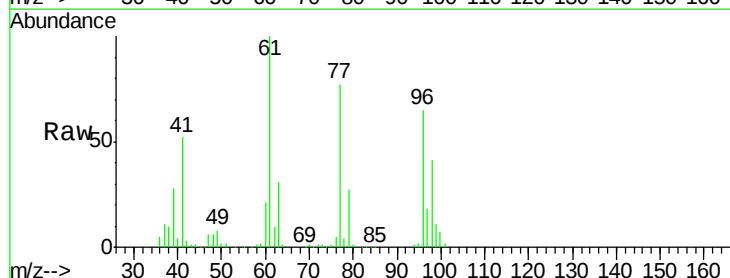
Acq: 07 Jun 2018 20:20

Tgt Ion: 77 Resp: 167642

Ion Ratio Lower Upper

77 100

97 23.0 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

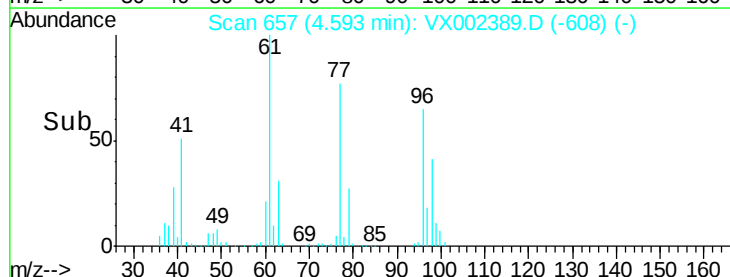
20000

10000

0

4.50 4.60 4.70

Time-->





#27

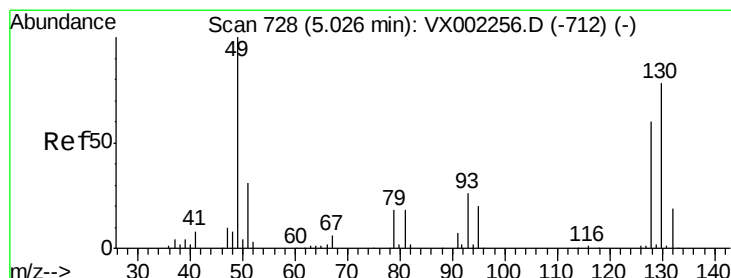
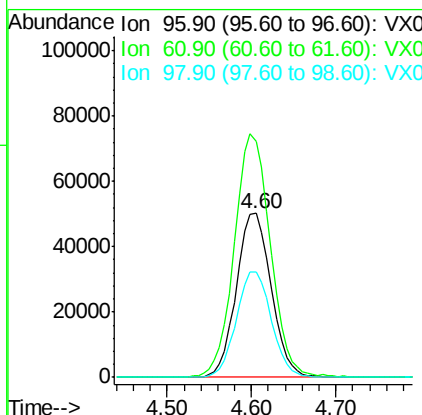
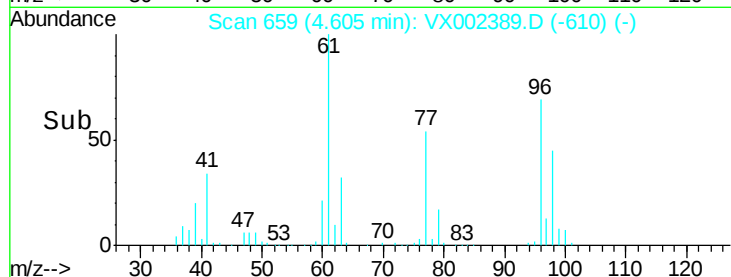
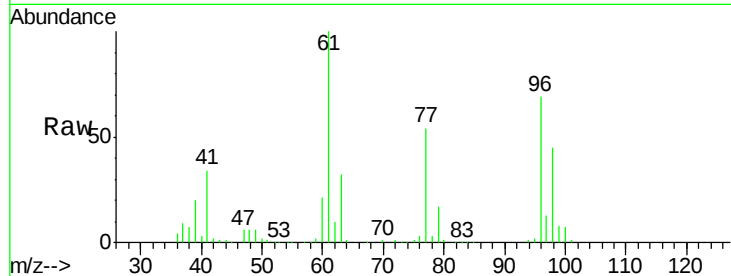
cis-1,2-Dichloroethene
Concen: 45.985 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	141040		
61	153.6	0.0	330.2	
98	64.6	0.0	130.2	

Manual Integrations
APPROVED

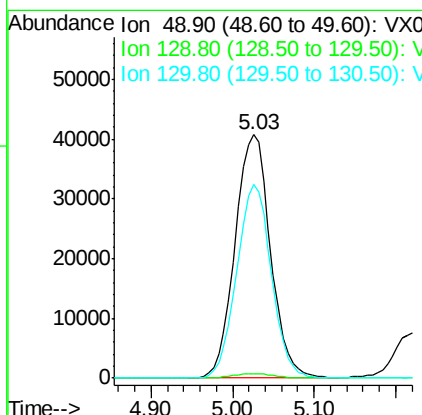
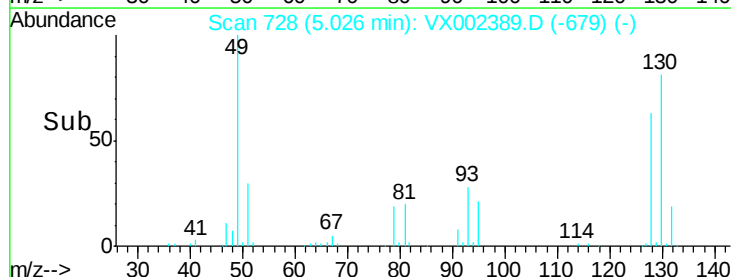
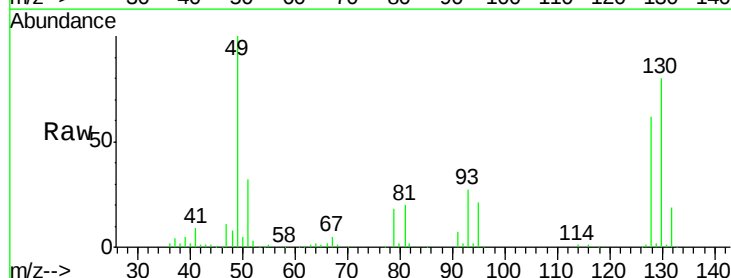
MMDadoda
6/8/2018 1:20:28 PM

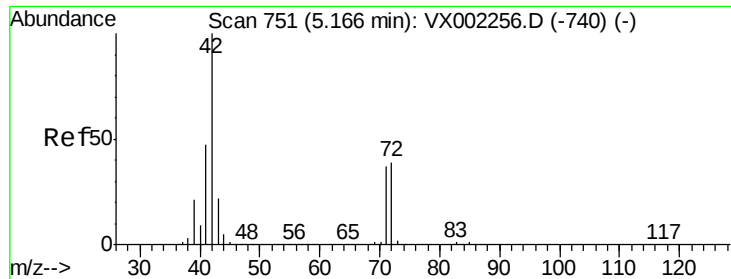


#28

Bromochloromethane
Concen: 52.851 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122825		
129	2.1	0.0	4.2	
130	77.8	61.2	91.8	





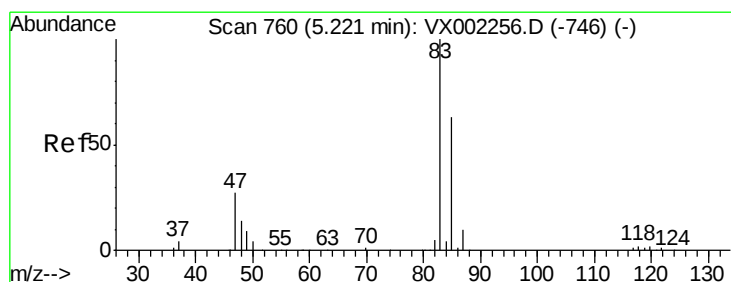
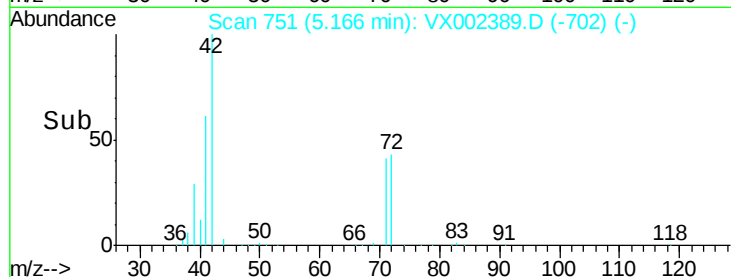
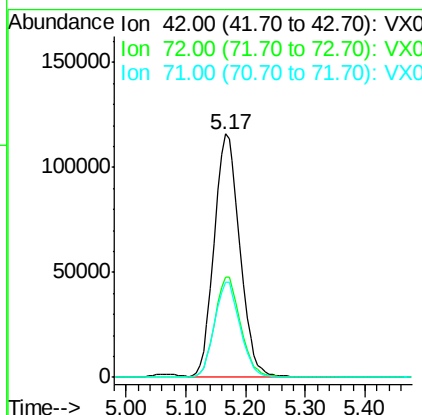
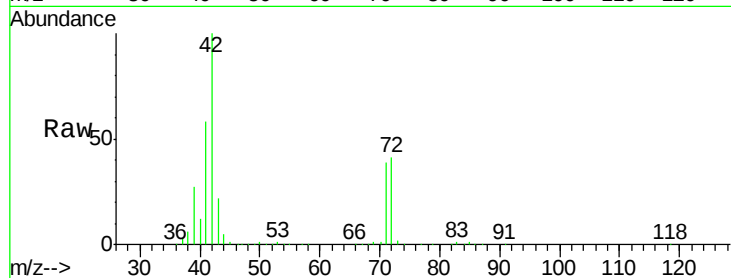
#29
Tetrahydrofuran
Concen: 227.660 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.9	30.1	45.1

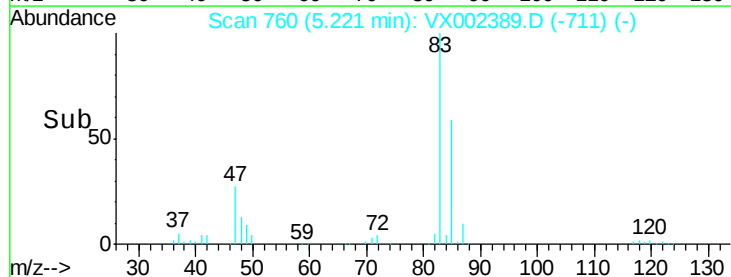
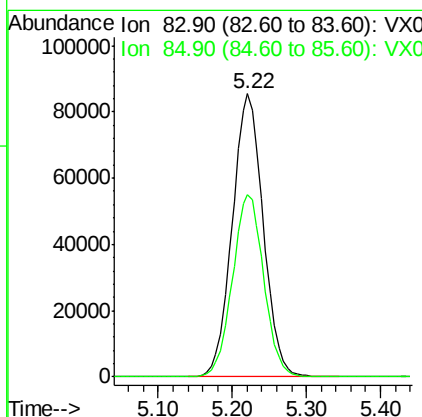
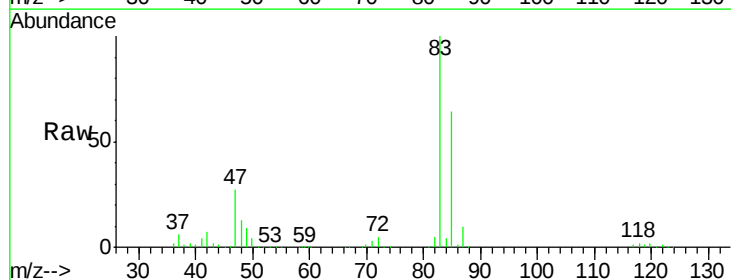
Manual Integrations
APPROVED

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



#30
Chloroform
Concen: 46.913 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 49.065 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

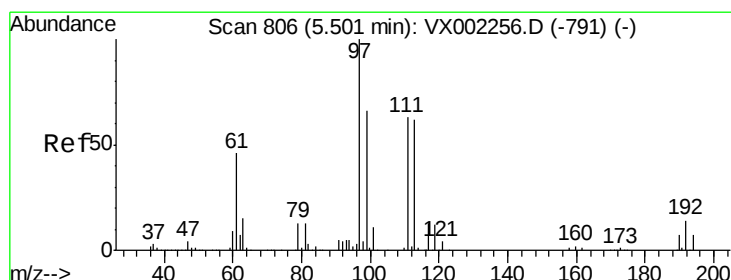
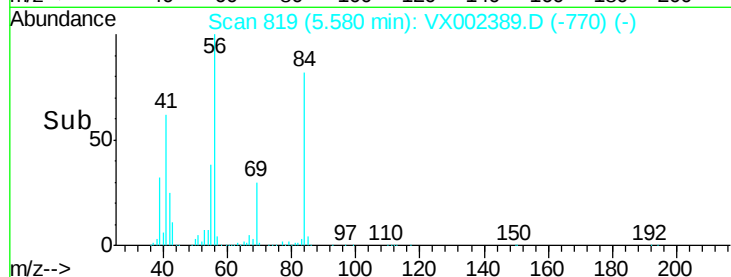
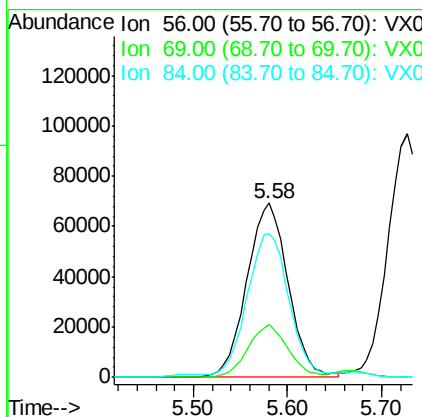
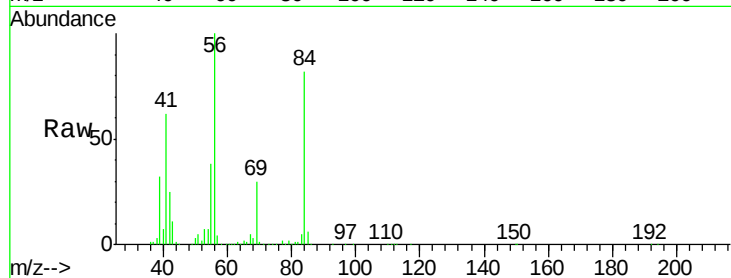
ClientSampleId :

LF5-0064MSD

Tgt Ion:	56	Resp:	212823
Ion Ratio	Lower	Upper	
56	100		
69	30.2	23.7	35.5
84	80.4	64.1	96.1

Manual Integrations
APPROVED

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



#32

1,1,1-Trichloroethane

Concen: 48.882 ug/l

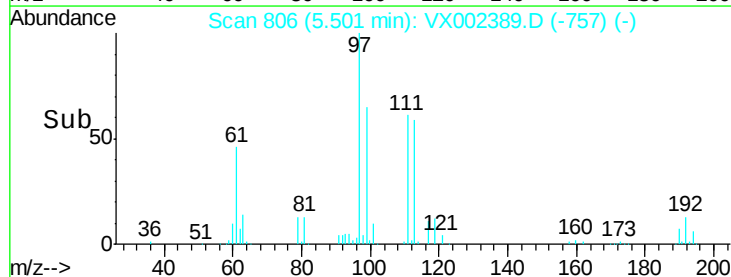
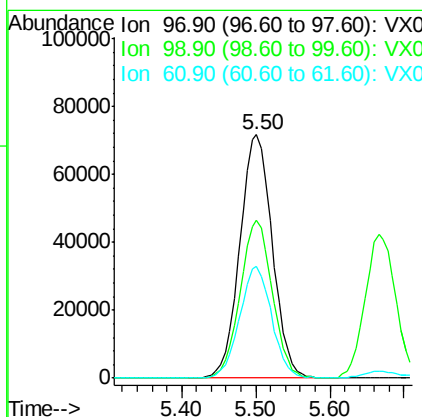
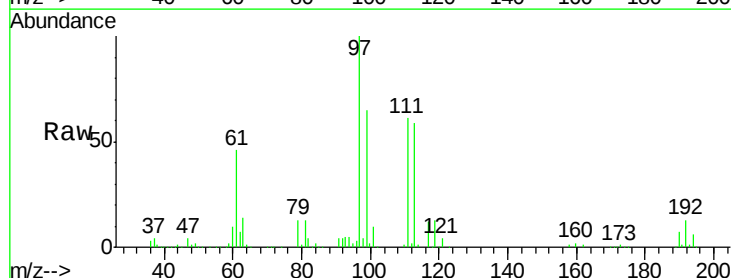
RT: 5.50 min Scan# 806

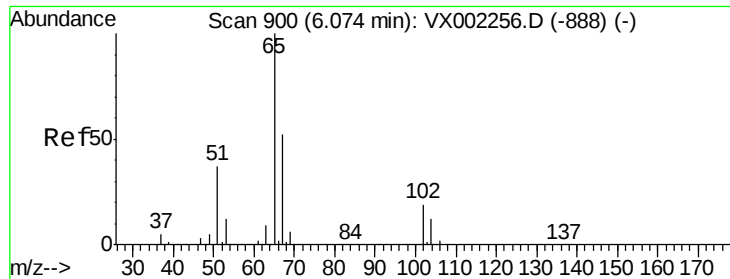
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	97	Resp:	219430
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.6	77.4
61	45.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 47.187 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 65 Resp: 162768

Ion Ratio Lower Upper

65 100

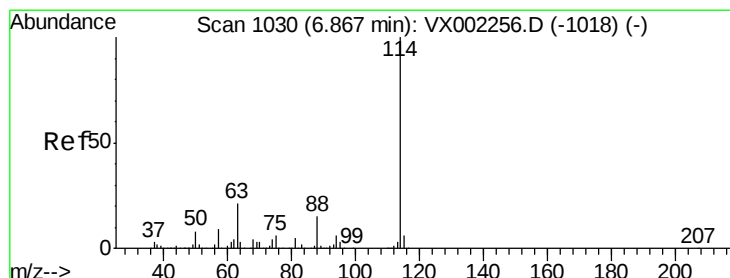
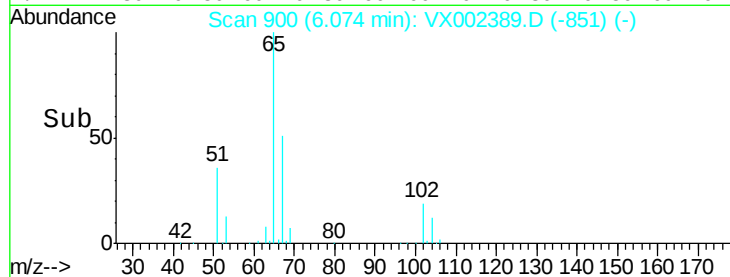
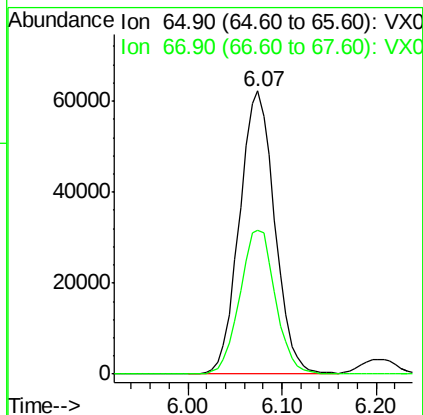
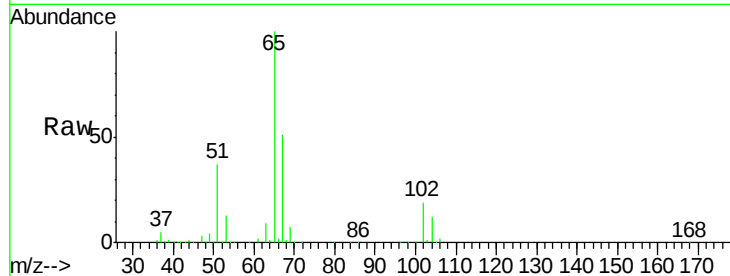
67 51.7 0.0 102.6

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

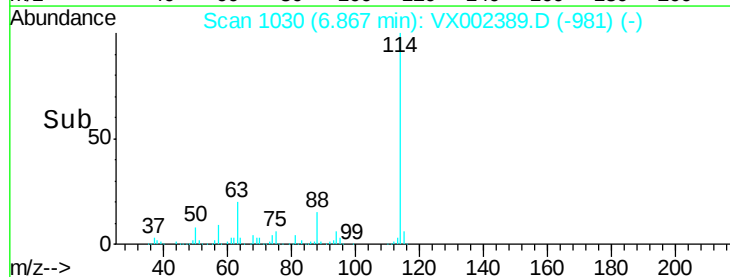
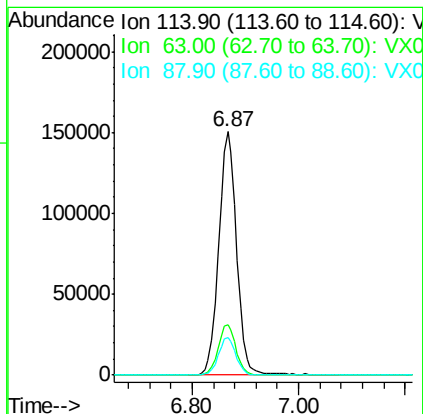
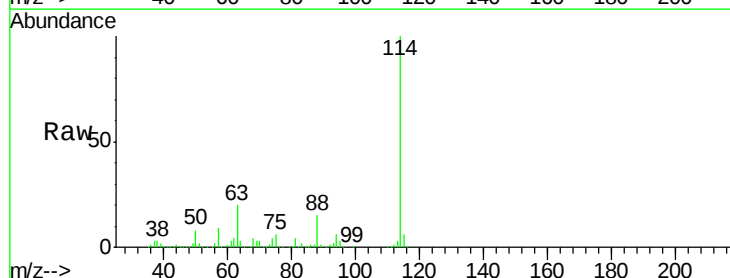
Tgt Ion: 114 Resp: 353655

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 15.2 0.0 30.0





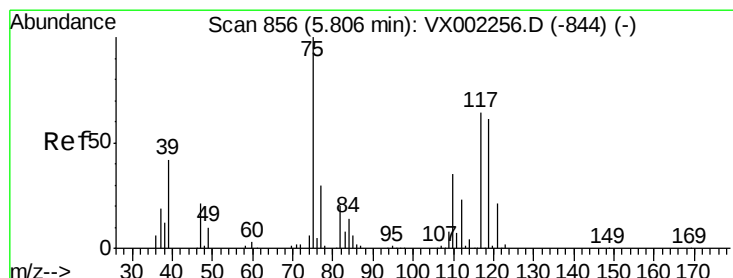
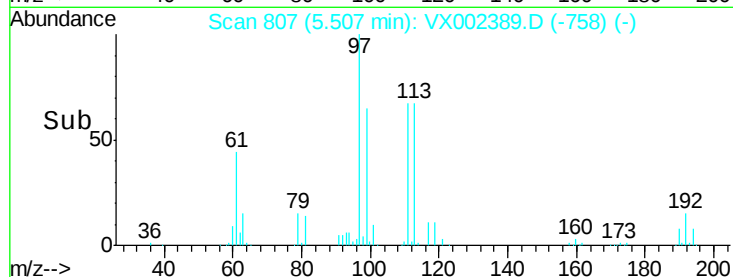
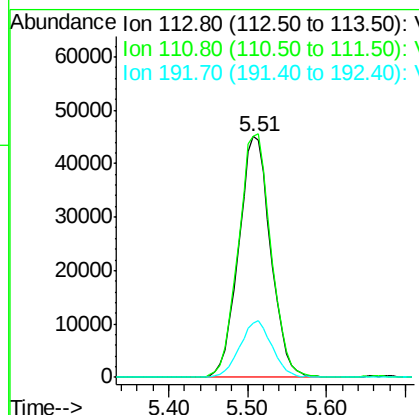
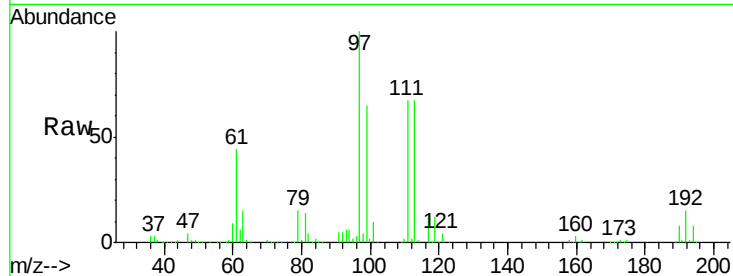
#35
 Dibromofluoromethane
 Concen: 45.790 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	127349		
111	102.8	81.4	122.0	
192	23.6	19.1	28.7	

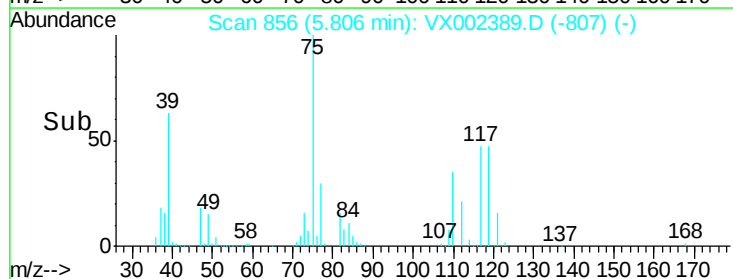
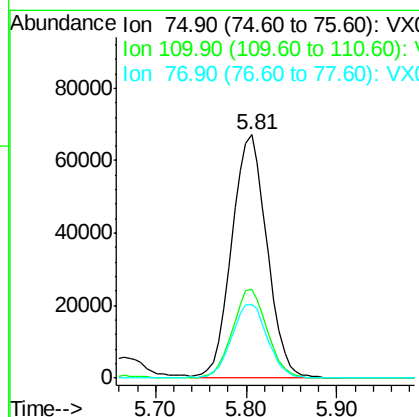
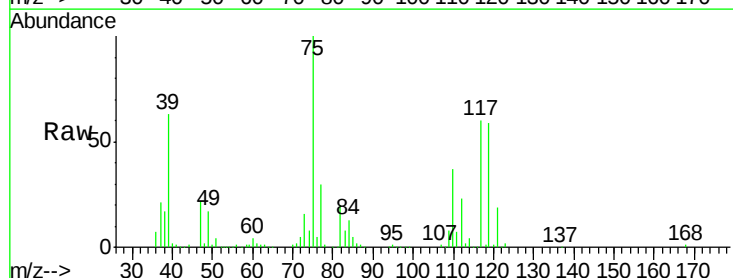
Manual Integrations
 APPROVED

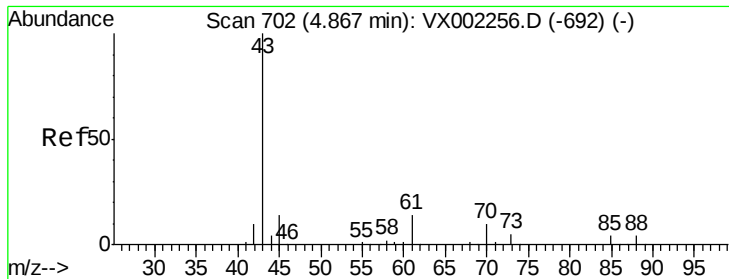
MMDadoda
 6/8/2018 1:20:28 PM



#36
 1,1-Dichloropropene
 Concen: 48.347 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179749		
110	36.4	18.1	54.4	
77	31.0	24.3	36.5	





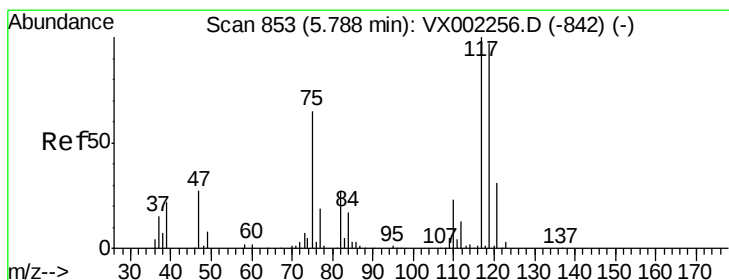
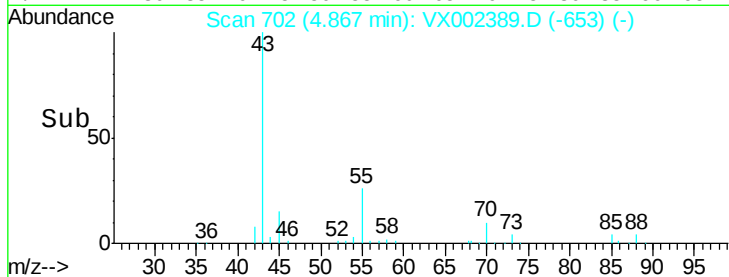
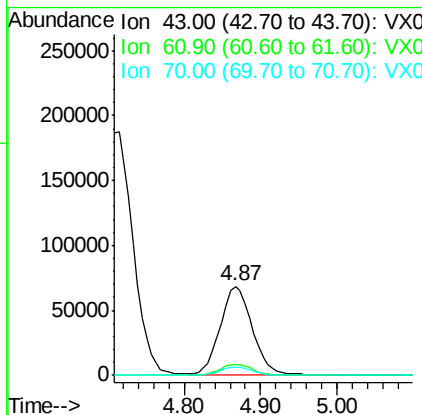
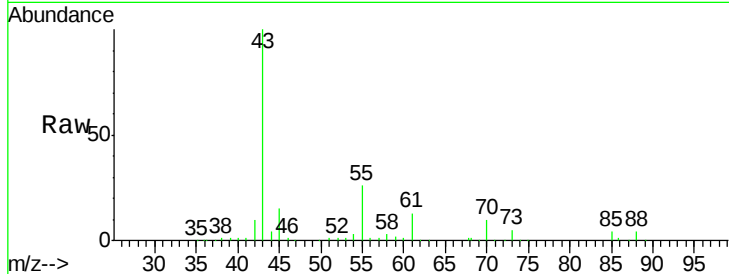
#37
Ethyl Acetate
Concen: 44.389 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.5	7.6	11.4

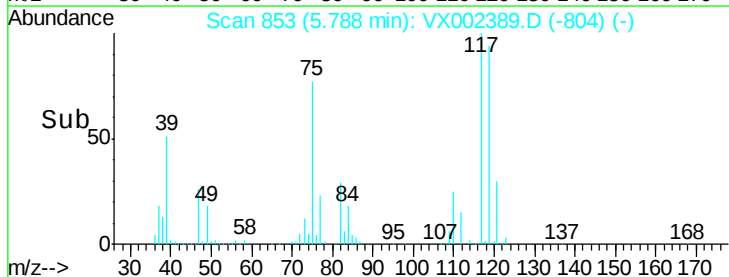
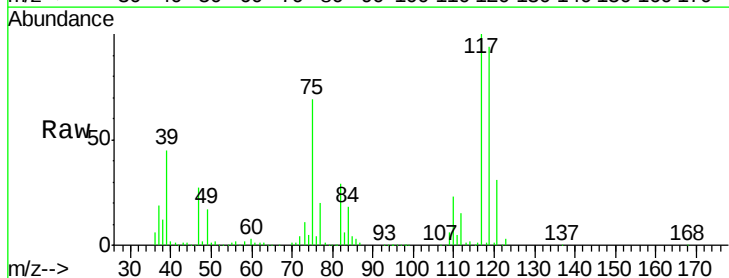
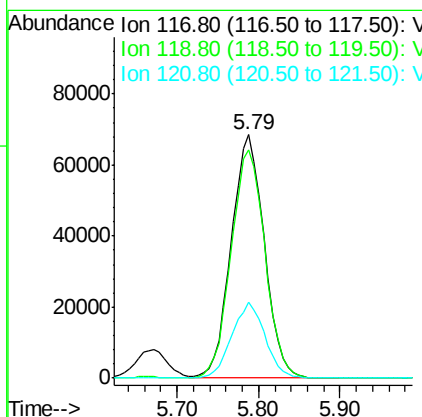
Manual Integrations
APPROVED

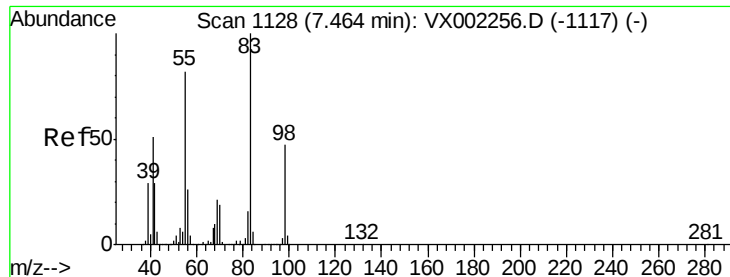
MMDadoda
6/8/2018 1:20:28 PM



#38
Carbon Tetrachloride
Concen: 49.300 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.0
121	31.0	24.4	36.6





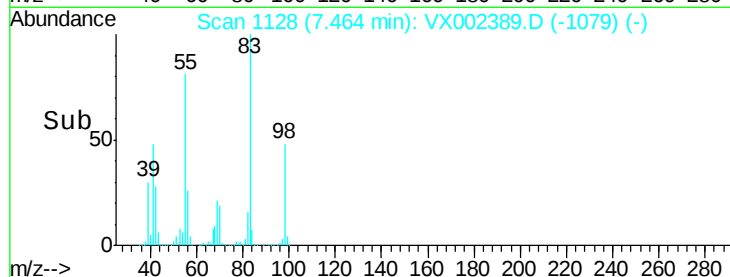
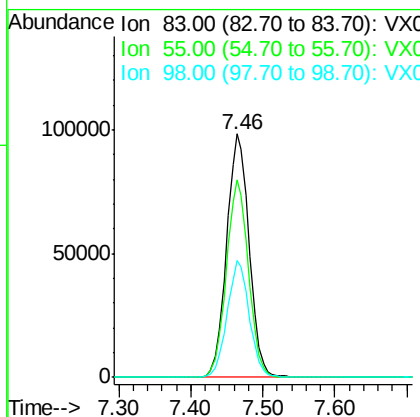
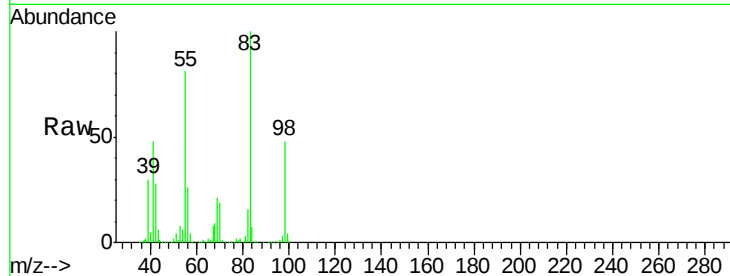
#39
Methylcyclohexane
Concen: 46.724 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	214539		
55	81.1	65.4	98.0	
98	47.9	37.4	56.0	

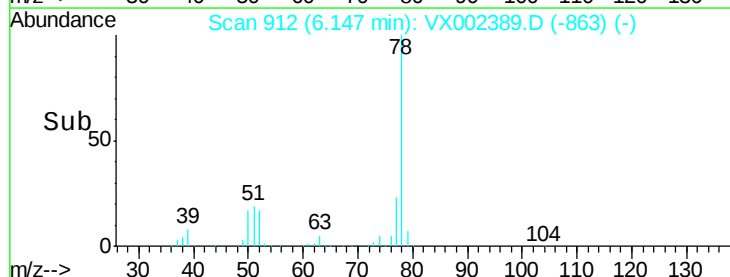
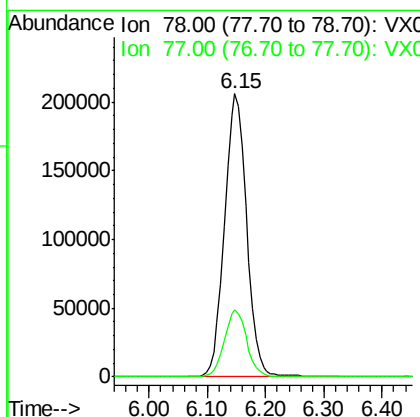
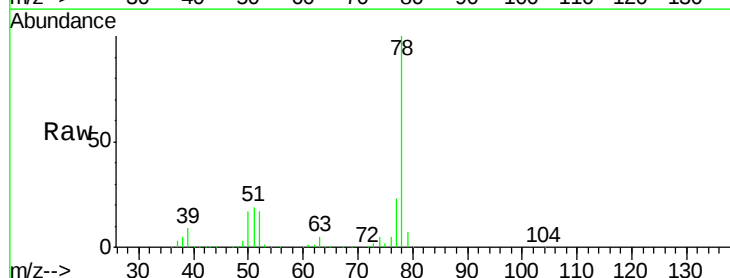
Manual Integrations
APPROVED

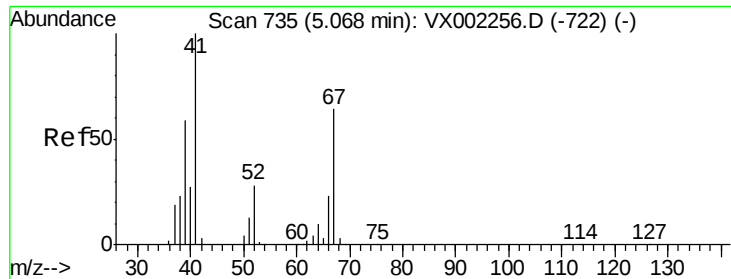
MMDadoda
6/8/2018 1:20:28 PM



#40
Benzene
Concen: 47.730 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	544118		
77	23.5	19.1	28.7	





#41

Methacrylonitrile

Concen: 46.248 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

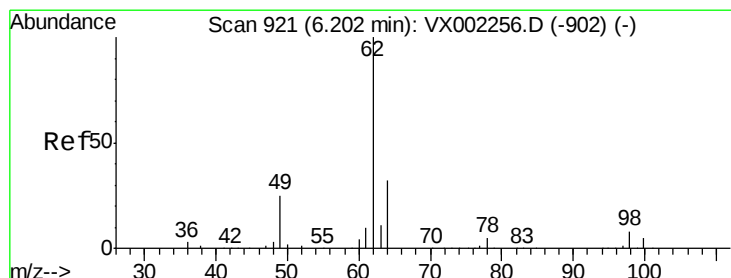
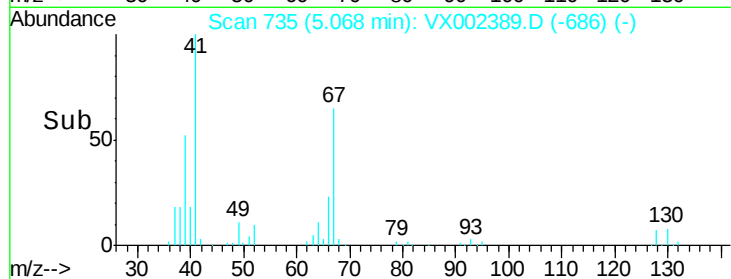
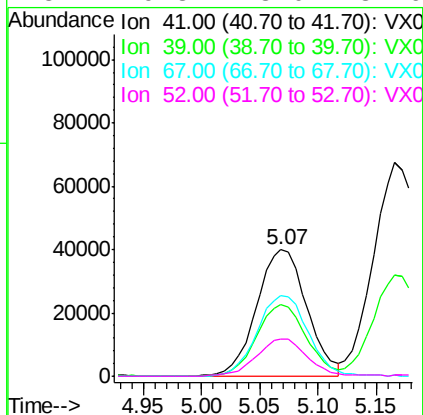
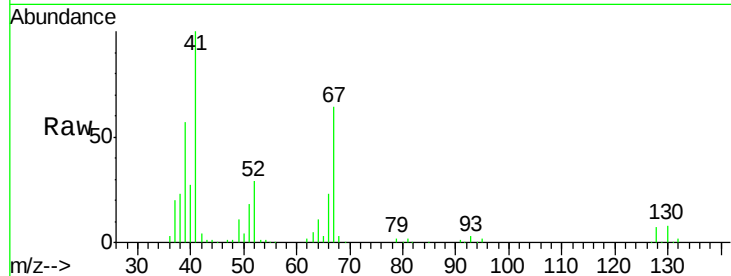
ClientSampleId :

LF5-0064MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	45.8	68.6	
67	65.7	51.3	76.9	
52	29.3	23.0	34.6	

Manual Integrations
APPROVED

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



#42

1,2-Dichloroethane

Concen: 46.990 ug/l

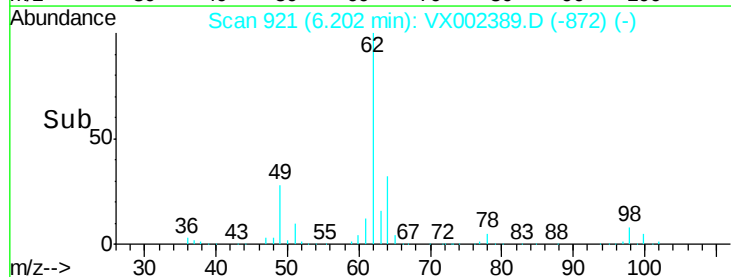
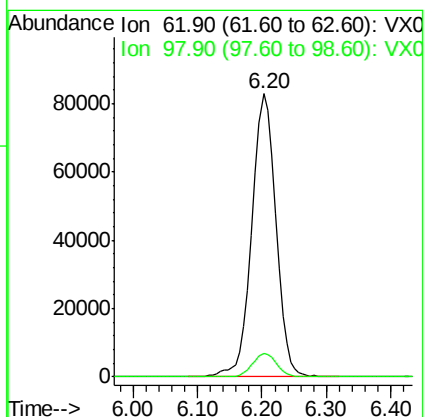
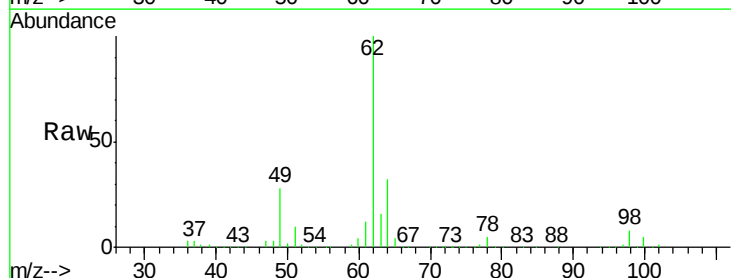
RT: 6.20 min Scan# 921

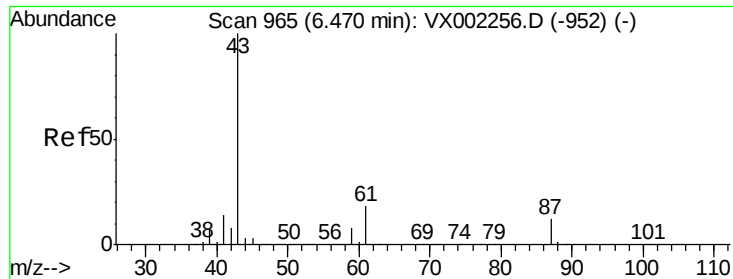
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.6	





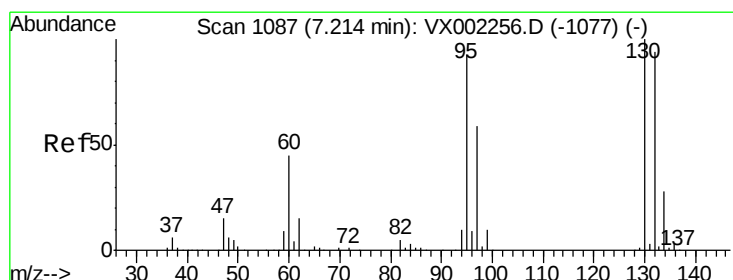
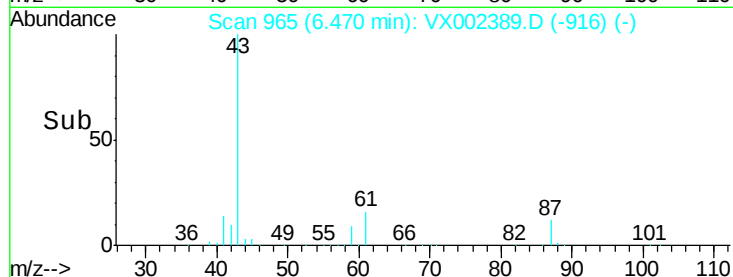
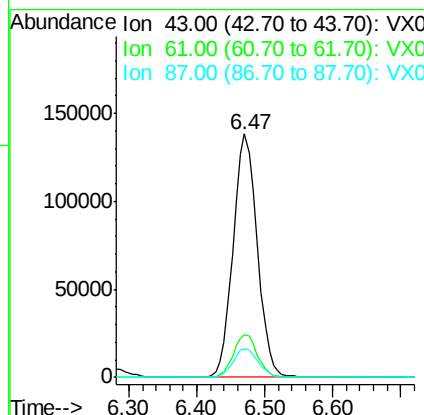
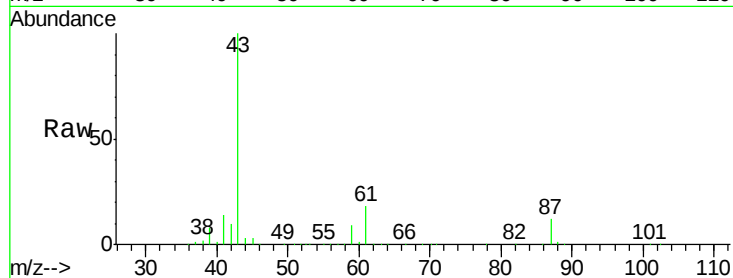
#43
Isopropyl Acetate
Concen: 44.660 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.1	9.5	14.3

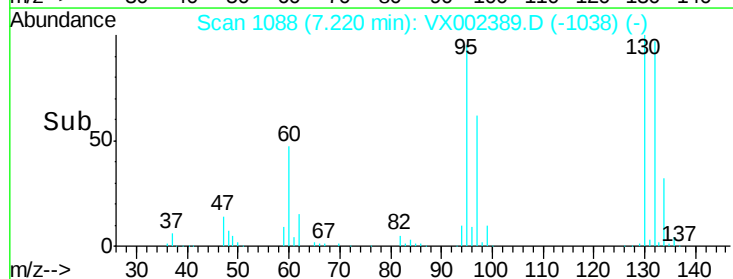
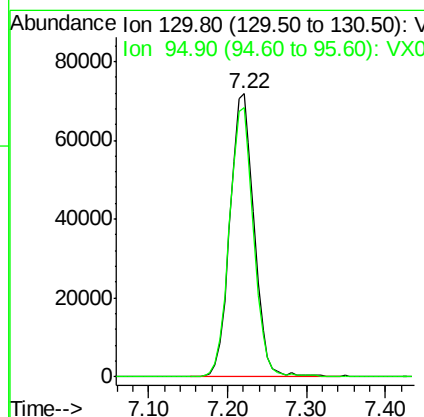
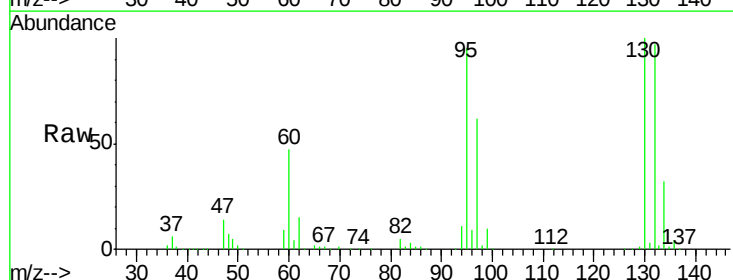
Manual Integrations
APPROVED

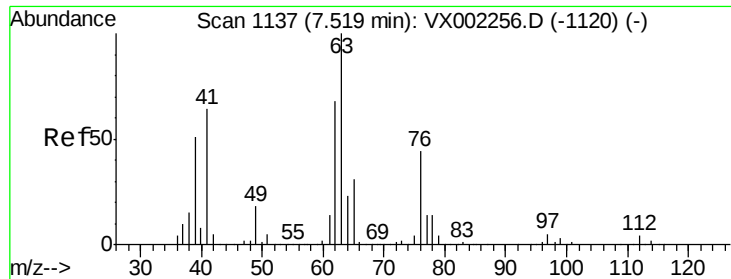
MMDadoda
6/8/2018 1:20:28 PM



#44
Trichloroethene
Concen: 48.303 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	185.4





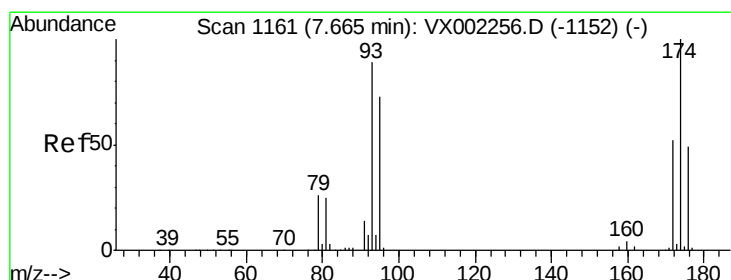
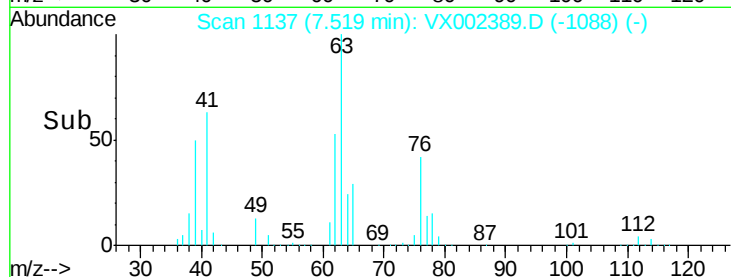
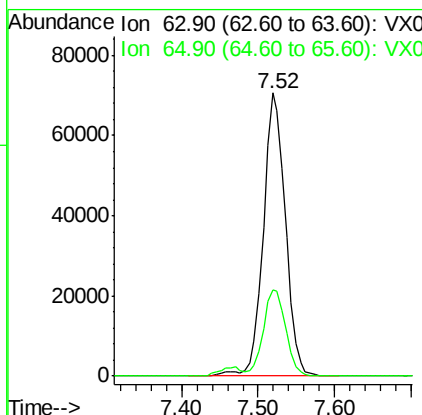
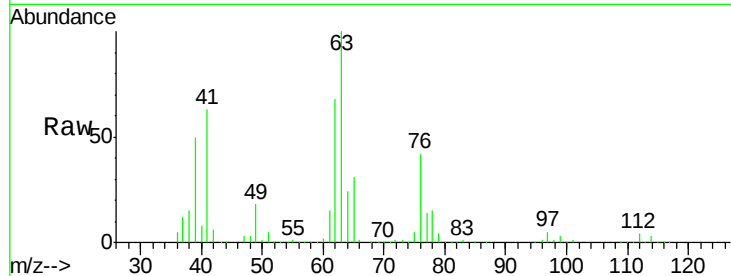
#45
 1,2-Dichloropropane
 Concen: 46.453 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion: 63 Resp: 142962
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

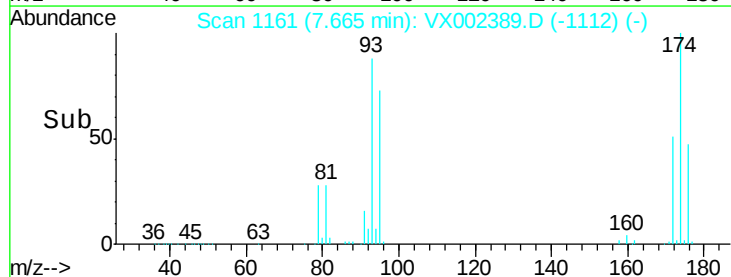
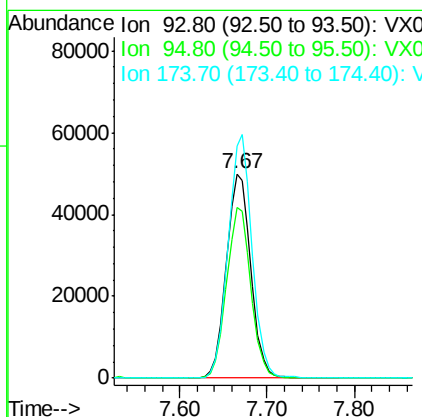
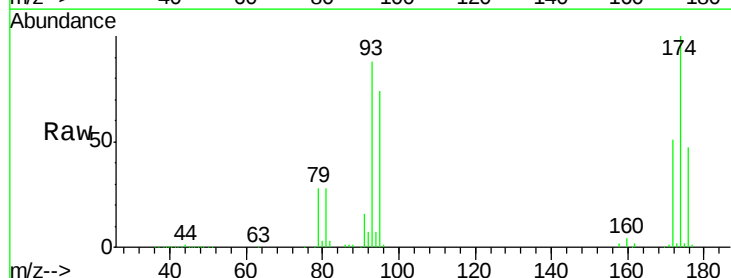
Manual Integrations
 APPROVED

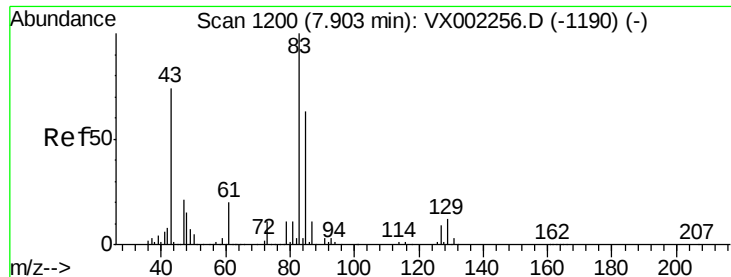
MMDadoda
 6/8/2018 1:20:28 PM



#46
 Dibromomethane
 Concen: 46.398 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 93 Resp: 96800
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 116.6 92.4 138.6





#47

Bromodichloromethane

Concen: 47.739 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

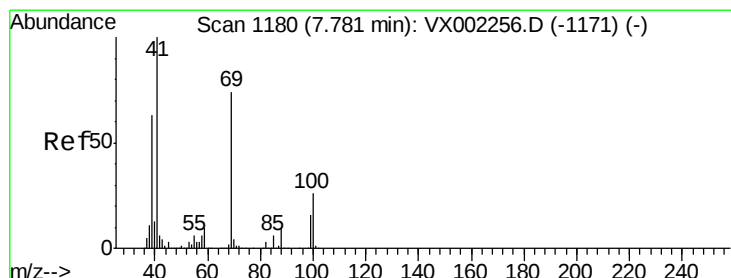
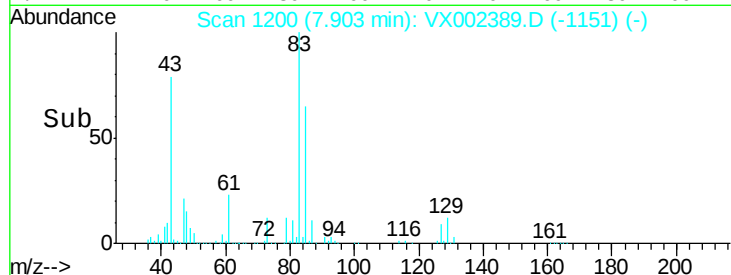
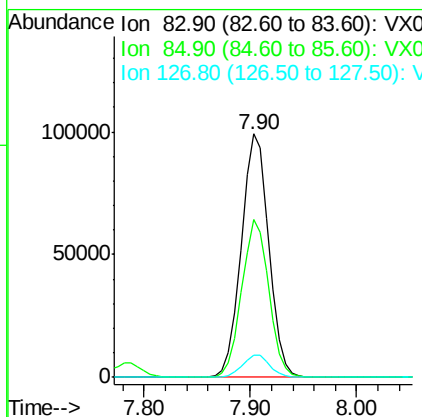
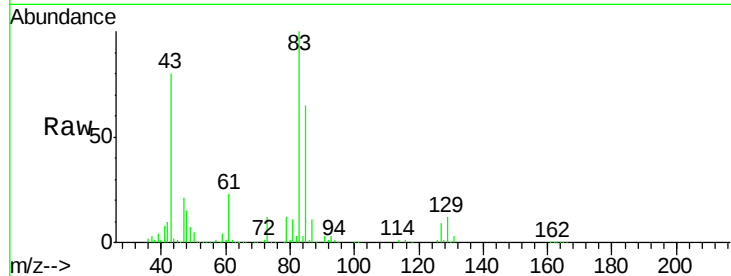
ClientSampleId :

LF5-0064MSD

Tgt Ion:	83	Resp:	180130
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
APPROVED

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



#48

Methyl methacrylate

Concen: 47.036 ug/l

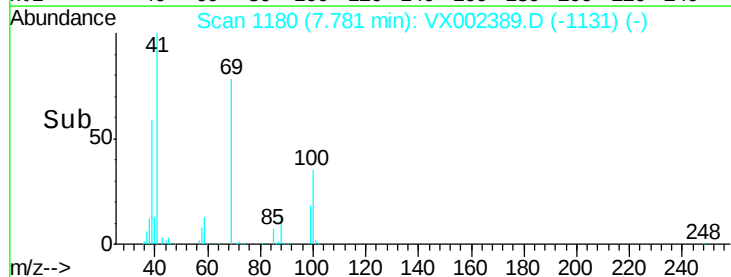
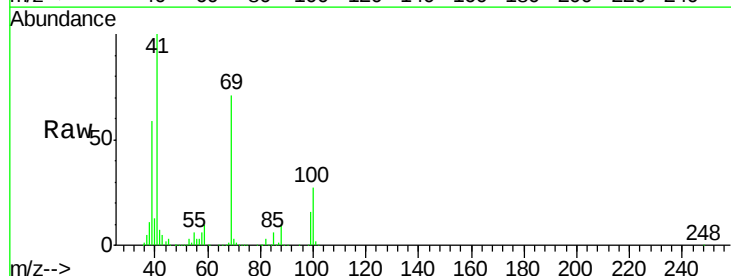
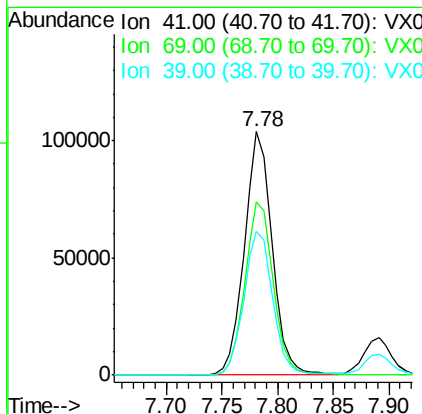
RT: 7.78 min Scan# 1180

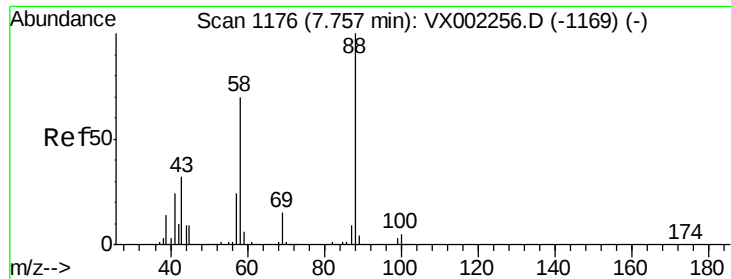
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	41	Resp:	179429
Ion	Ratio	Lower	Upper
41	100		
69	73.9	59.1	88.7
39	60.9	48.9	73.3





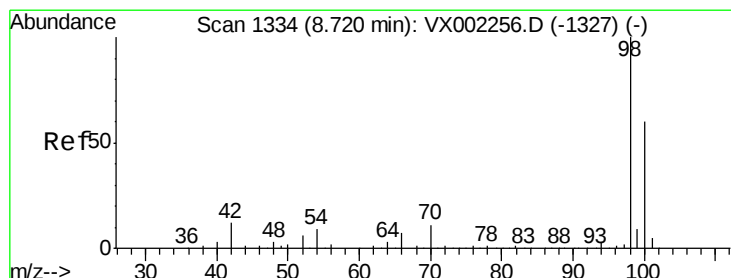
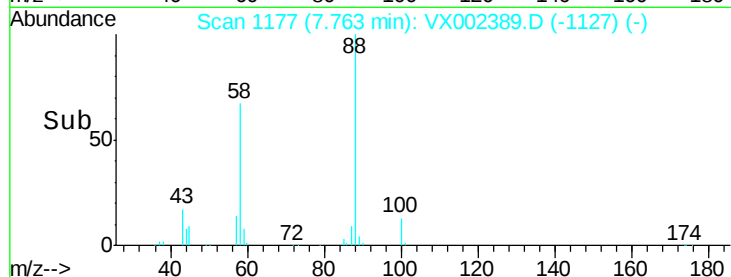
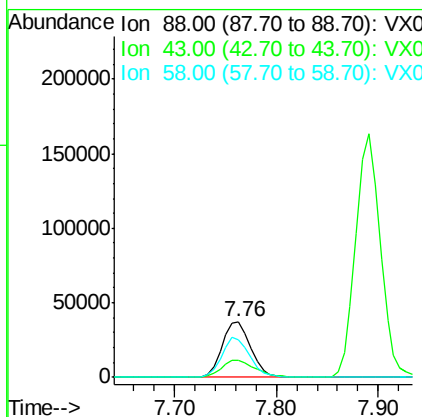
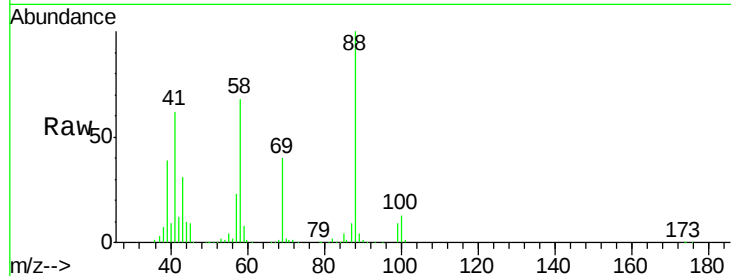
#49
1,4-Dioxane
Concen: 1014.627 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.6
58	70.7	57.1	85.7

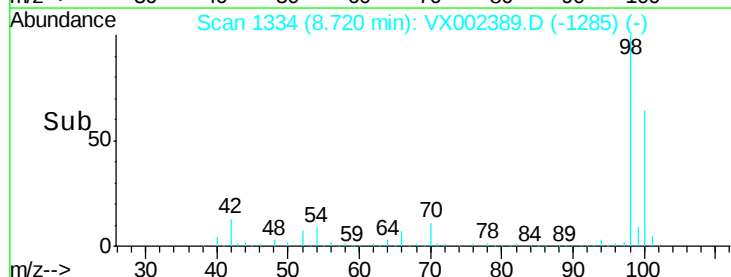
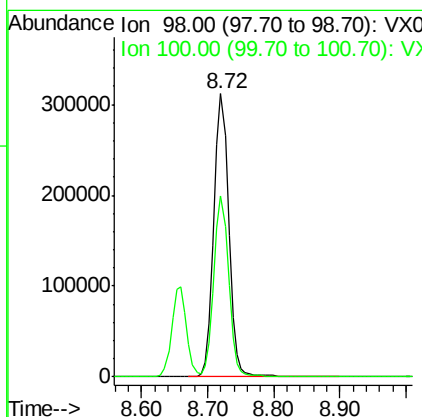
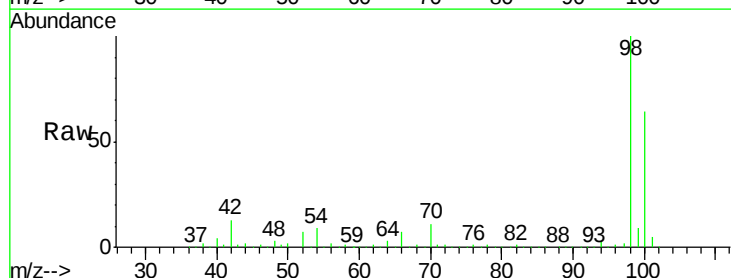
Manual Integrations
APPROVED

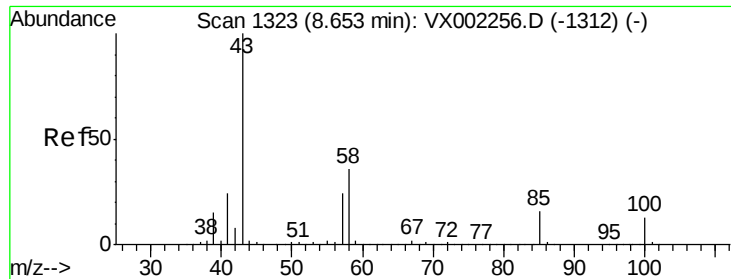
MMDadoda
6/8/2018 1:20:28 PM



#50
Toluene-d8
Concen: 45.790 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 241.924 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 43 Resp: 1144149

Ion Ratio Lower Upper

43 100

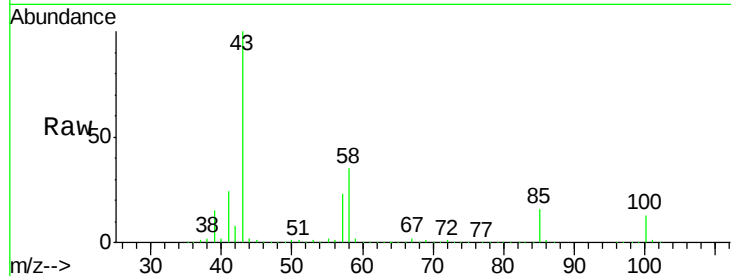
58 35.6 28.6 42.8

Manual Integrations

APPROVED

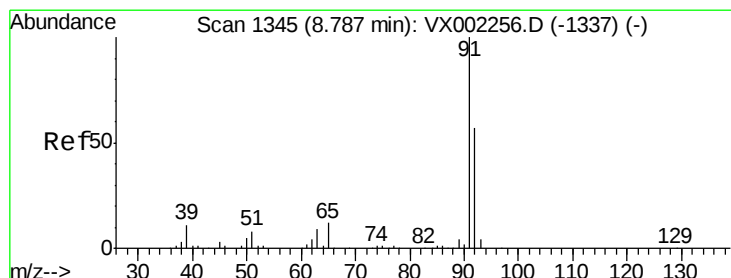
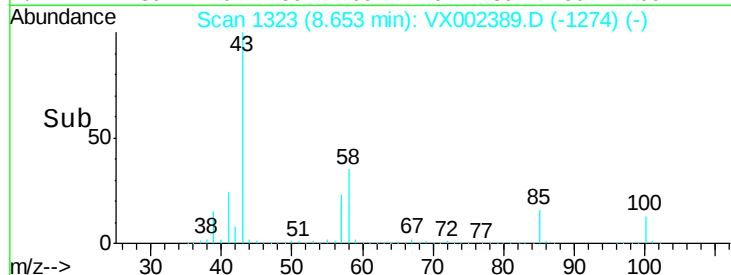
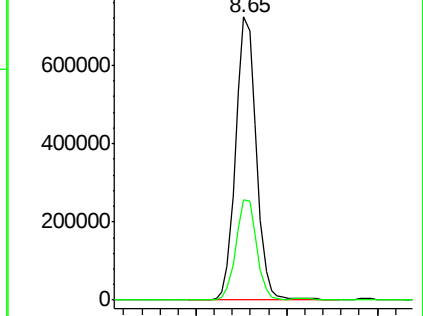
MMDadoda

6/8/2018 1:20:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.937 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002389.D

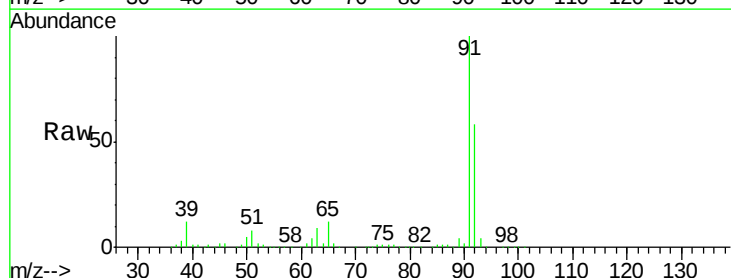
Acq: 07 Jun 2018 20:20

Tgt Ion: 92 Resp: 354817

Ion Ratio Lower Upper

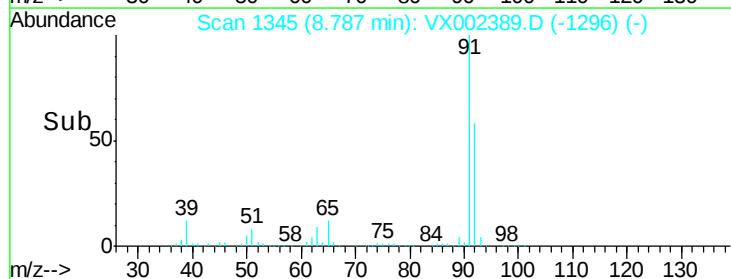
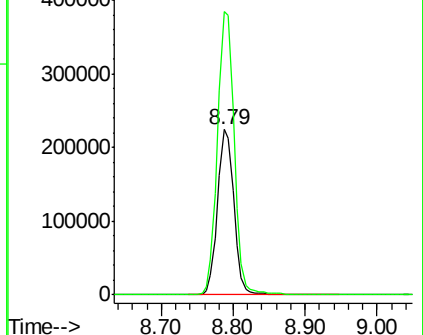
92 100

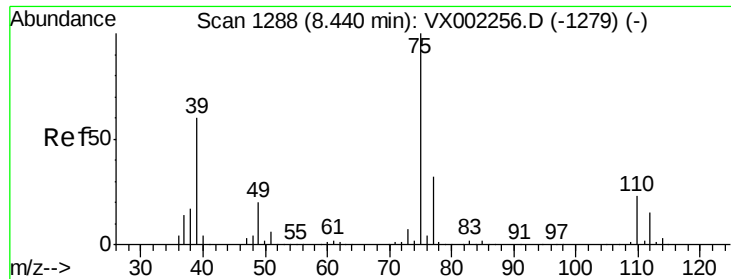
91 174.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





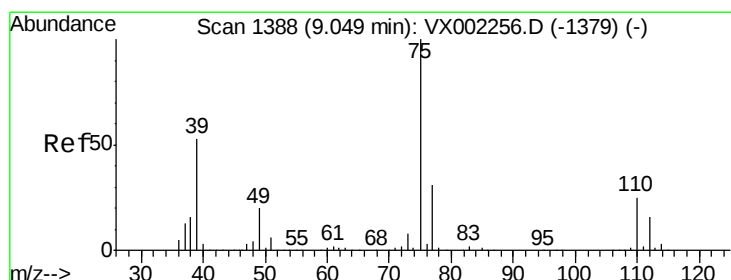
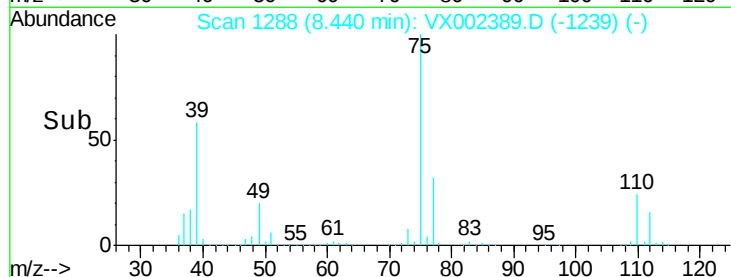
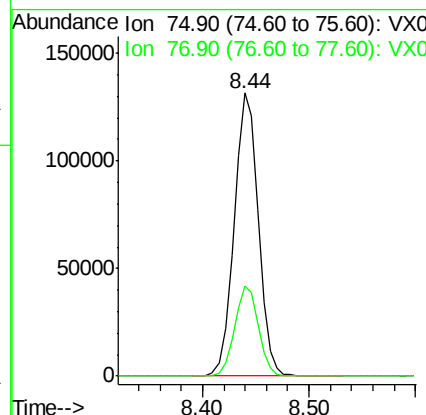
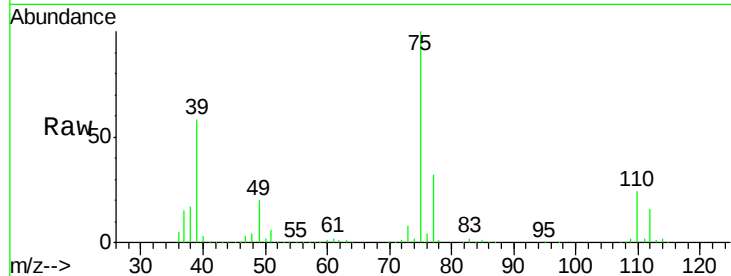
#53
t-1,3-Dichloropropene
Concen: 46.176 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

Tgt Ion: 75 Resp: 208941
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

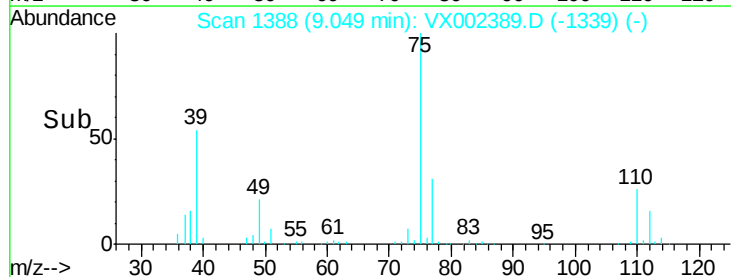
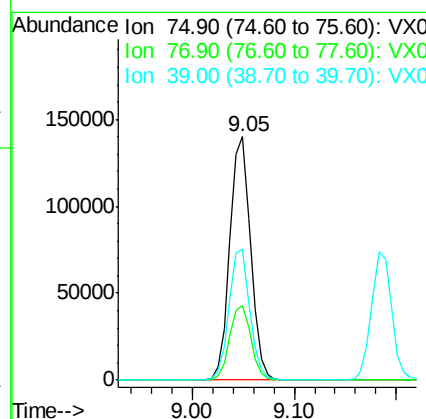
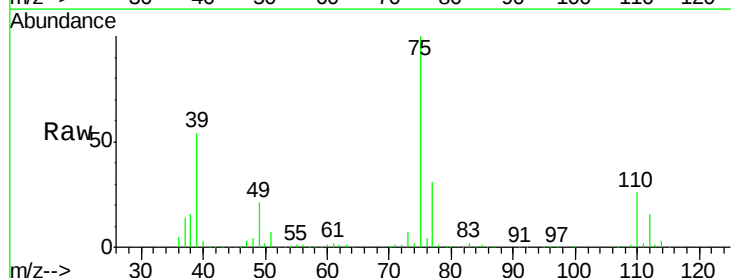
Manual Integrations
APPROVED

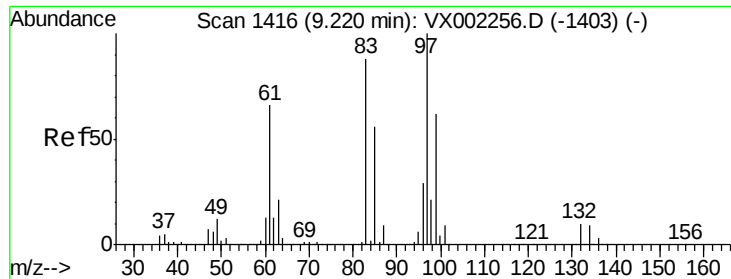
MMDadoda
6/8/2018 1:20:28 PM



#54
cis-1,3-Dichloropropene
Concen: 46.278 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 75 Resp: 197562
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 53.9 42.4 63.6





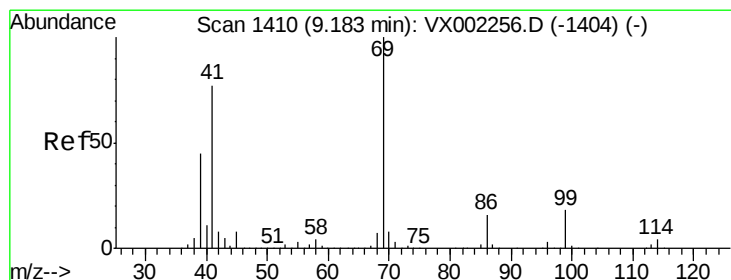
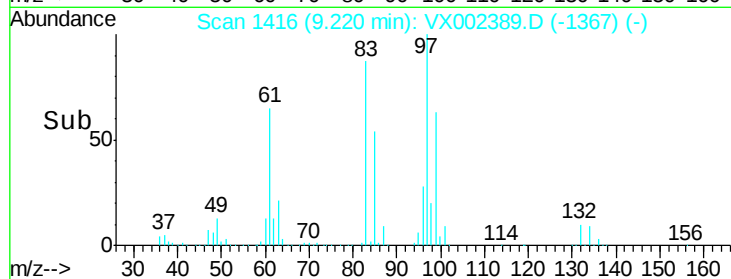
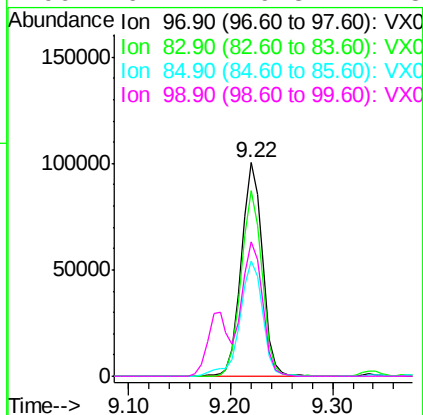
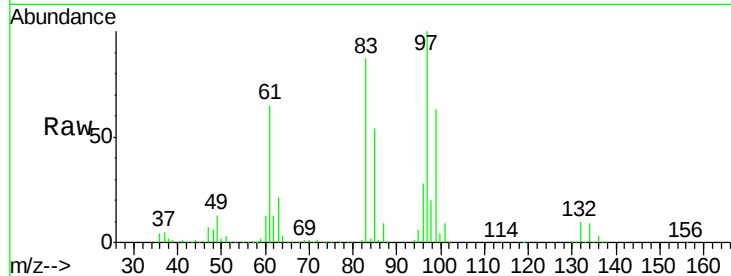
#55
 1,1,2-Trichloroethane
 Concen: 48.271 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.2	105.2
85	54.1	44.9	67.3
99	62.7	49.8	74.8

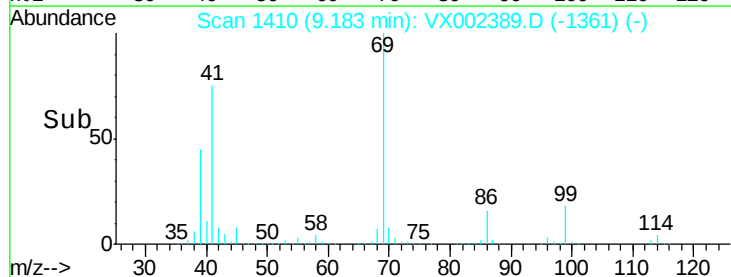
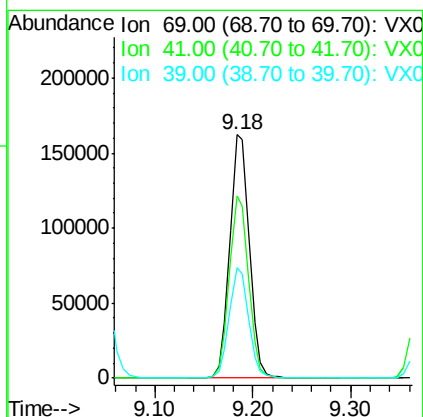
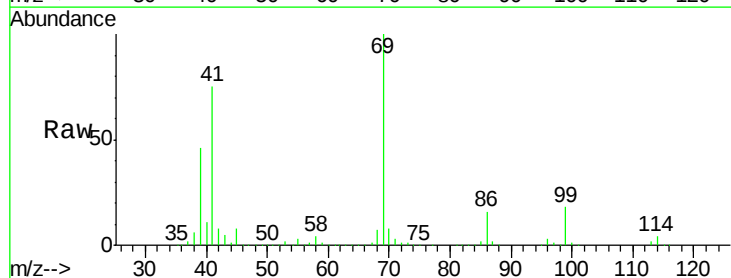
Manual Integrations
 APPROVED

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



#56
 Ethyl methacrylate
 Concen: 47.480 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.6	60.3	90.5
39	44.9	35.8	53.8





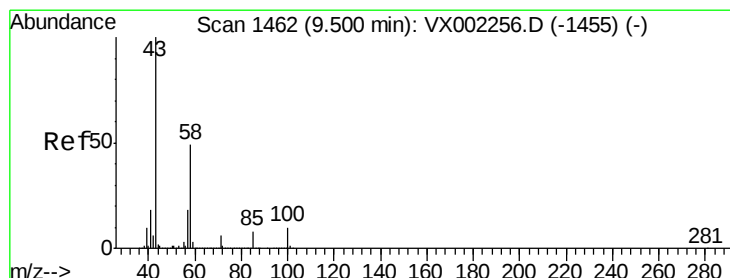
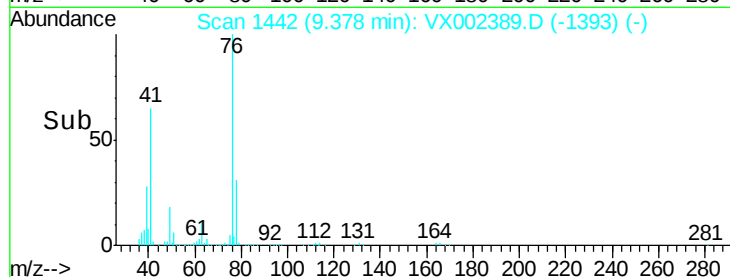
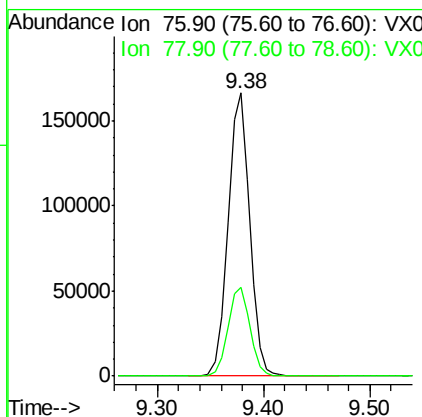
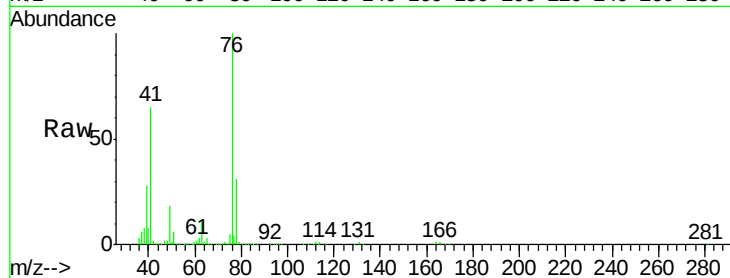
#57
 1,3-Dichloropropane
 Concen: 47.314 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion: 76 Resp: 236700
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

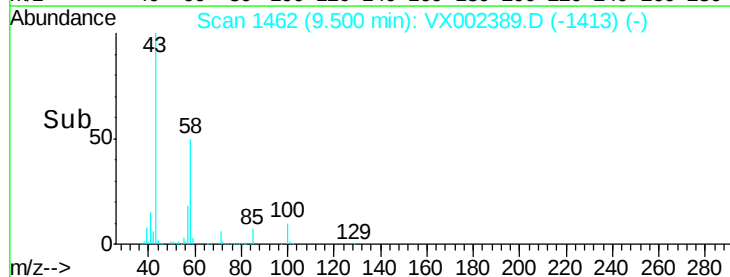
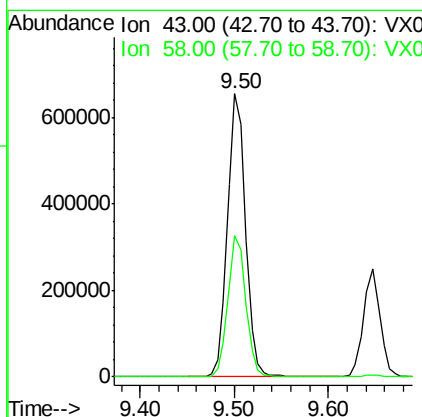
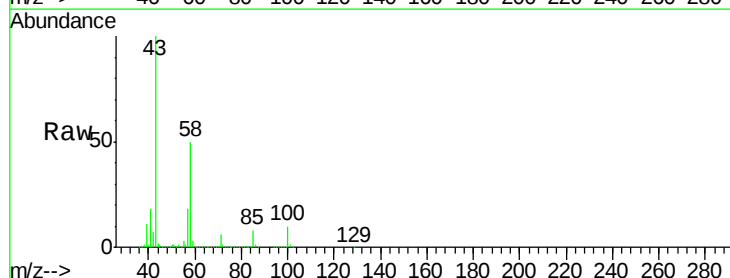
Manual Integrations
 APPROVED

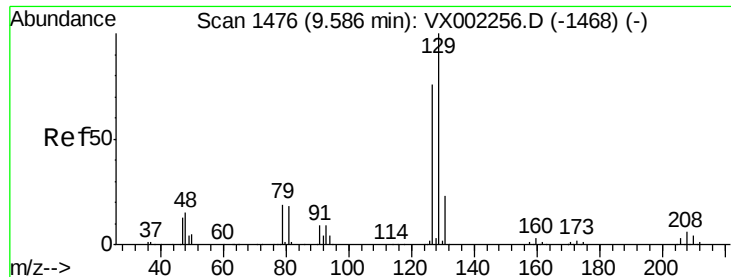
MMDadoda
 6/8/2018 1:20:28 PM



#59
 2-Hexanone
 Concen: 239.223 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 43 Resp: 873884
 Ion Ratio Lower Upper
 43 100
 58 49.9 24.6 73.6





#60

Dibromochloromethane

Concen: 49.352 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion:129 Resp: 148031

Ion Ratio Lower Upper

129 100

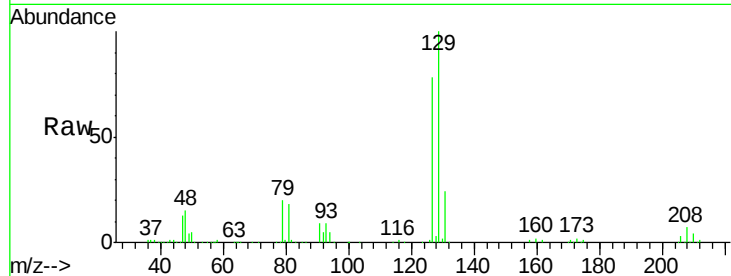
127 77.6 38.5 115.3

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:28 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

120000

100000

80000

60000

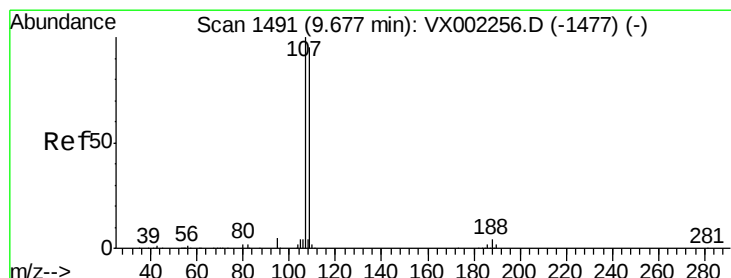
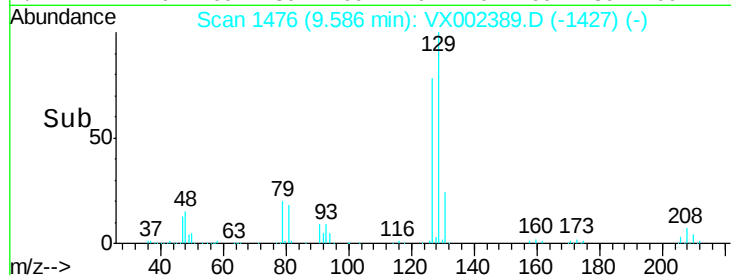
40000

20000

0

Time-->

9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 48.259 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002389.D

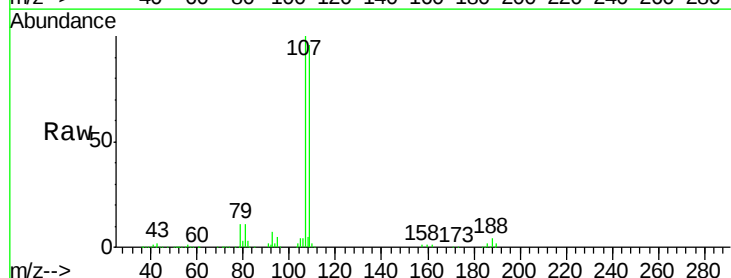
Acq: 07 Jun 2018 20:20

Tgt Ion:107 Resp: 150052

Ion Ratio Lower Upper

107 100

109 96.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

60000

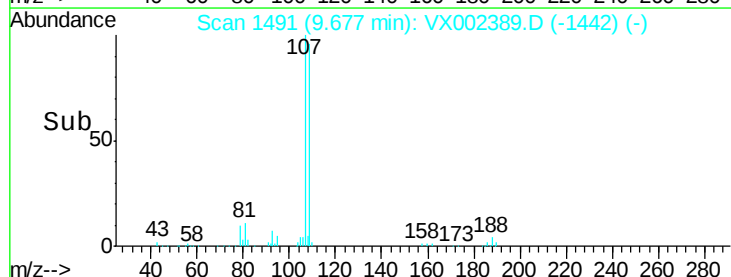
40000

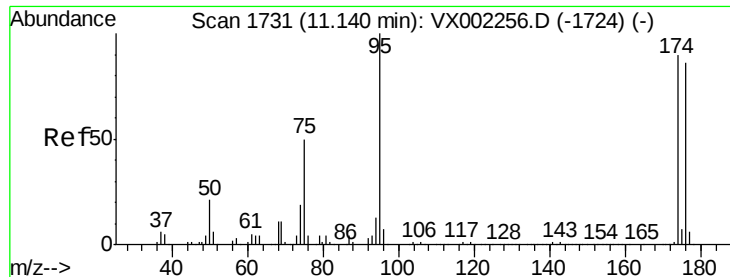
20000

0

Time-->

9.60 9.65 9.70 9.75





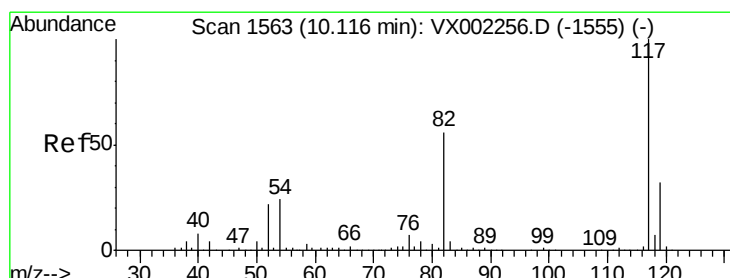
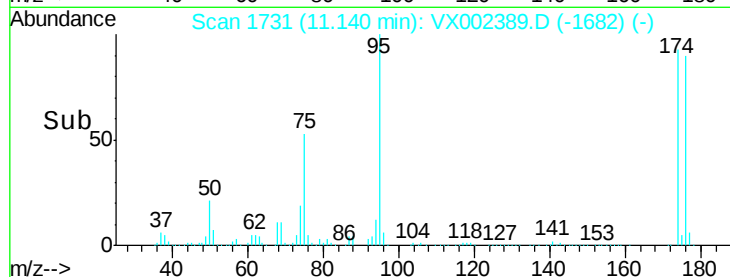
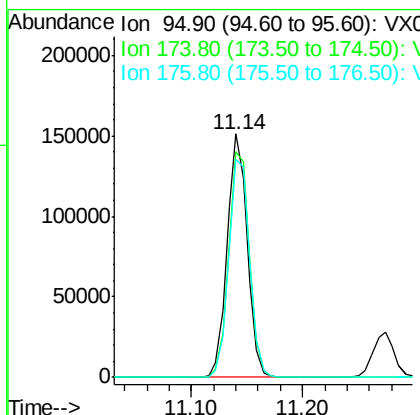
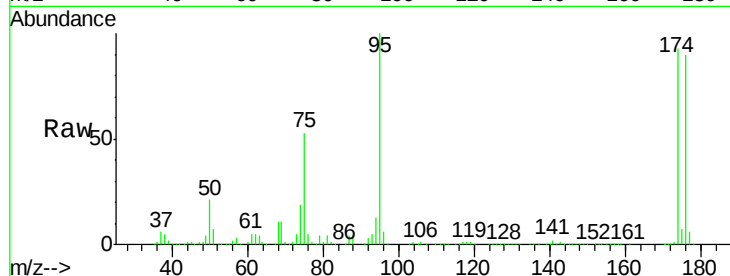
#62
4-Bromofluorobenzene
Concen: 45.608 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	187478		
174	95.9	0.0	187.4	
176	93.6	0.0	181.0	

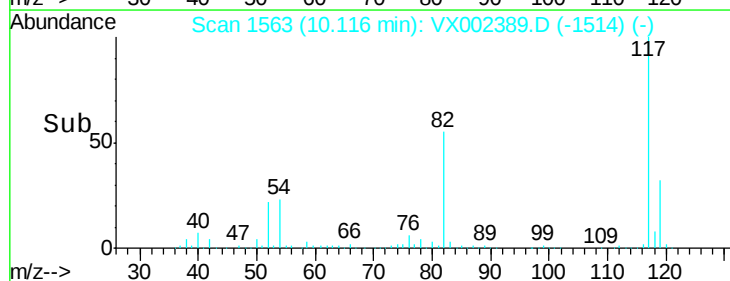
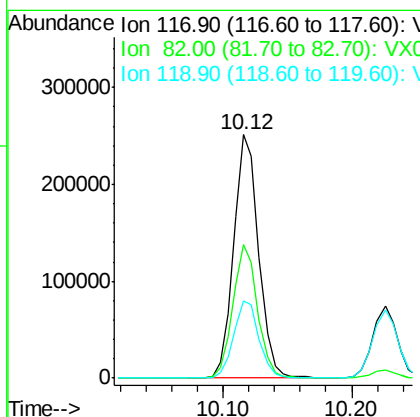
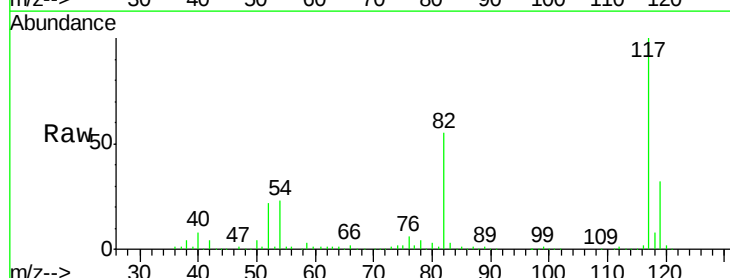
Manual Integrations
APPROVED

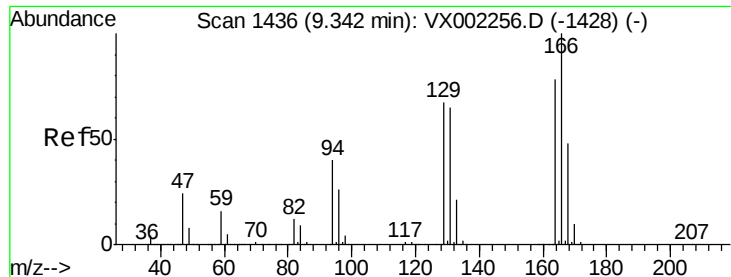
MMDadoda
6/8/2018 1:20:28 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	338792		
82	54.6	45.0	67.4	
119	32.0	25.8	38.6	





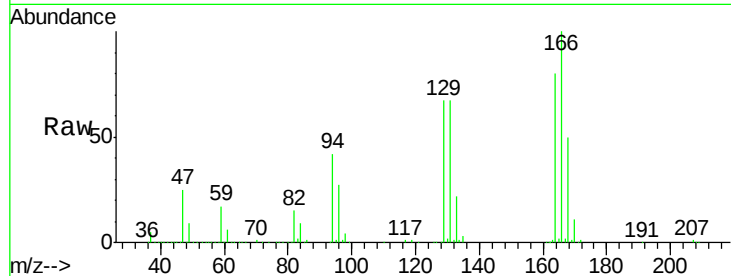
#64
Tetrachloroethene
Concen: 47.462 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.9	165834	102.9	154.3
129	84.3		68.6	102.8
131	83.8		66.8	100.2

Manual Integrations
APPROVED

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



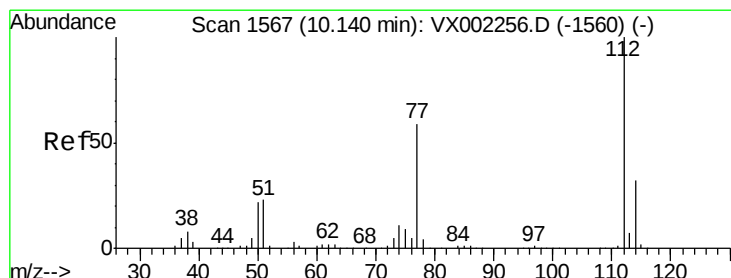
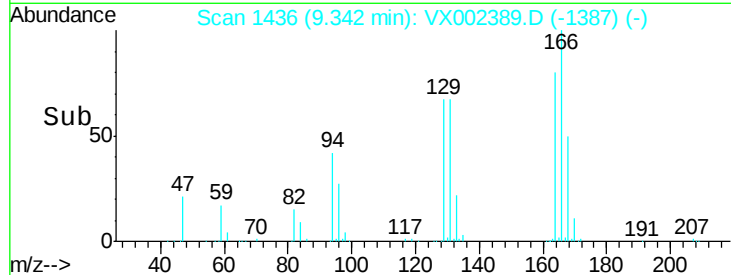
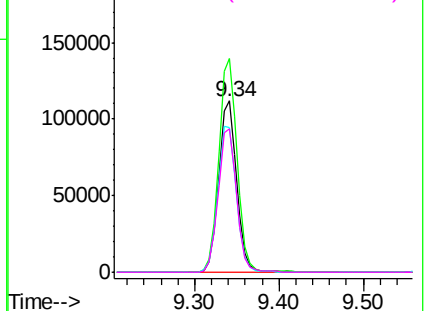
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

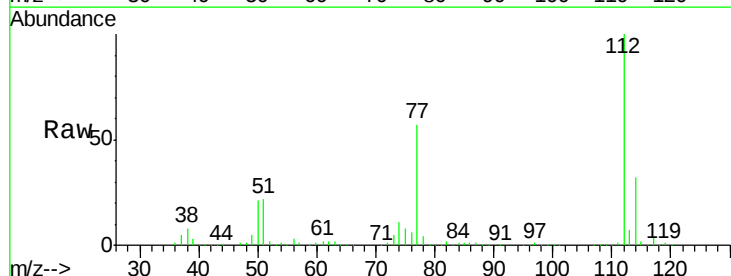
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 48.343 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

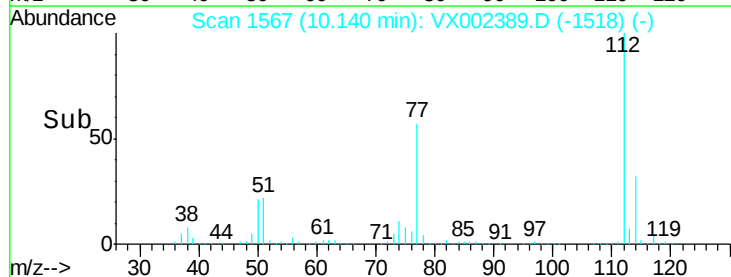
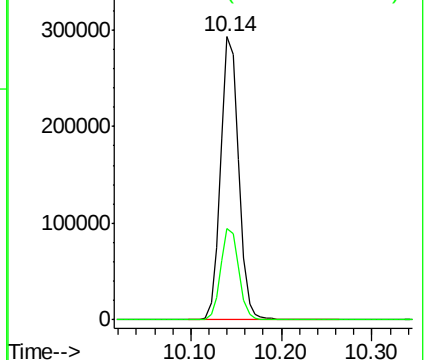
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	407535		
114	32.2		25.3	37.9

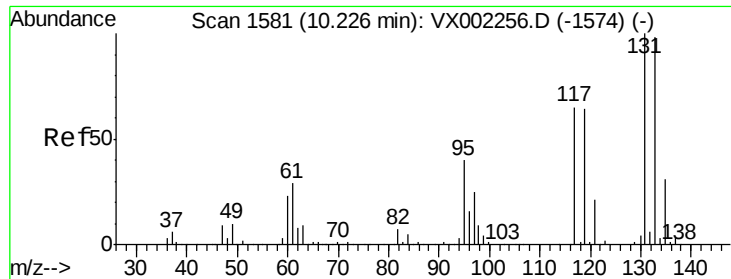


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.286 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

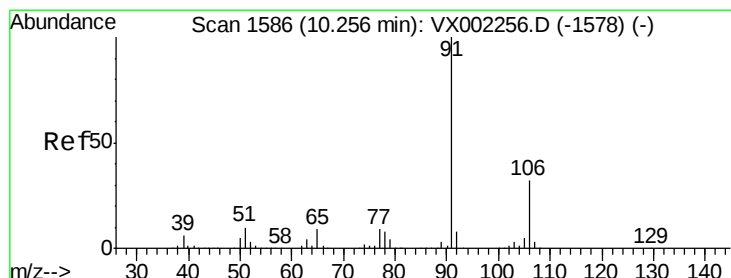
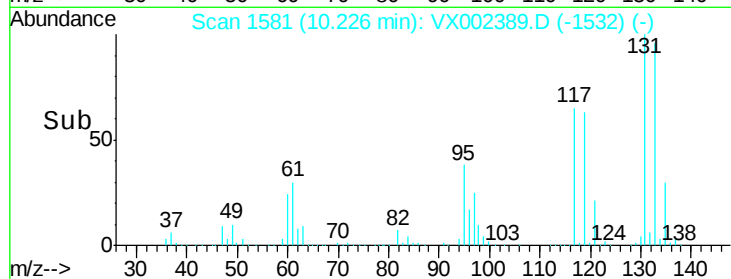
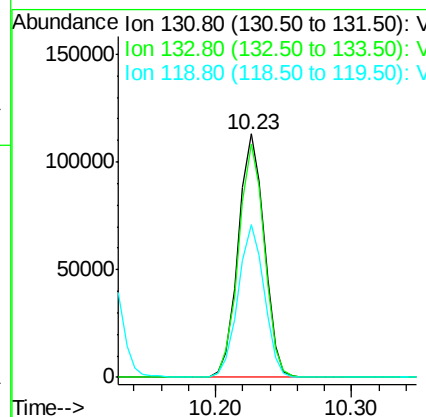
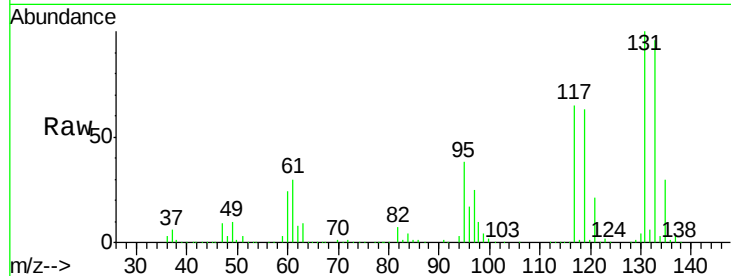
ClientSampleId :

LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	150442		
133	95.1	47.9	143.6	
119	63.1	31.8	95.3	

Manual Integrations
APPROVED

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



#67

Ethyl Benzene

Concen: 49.827 ug/l

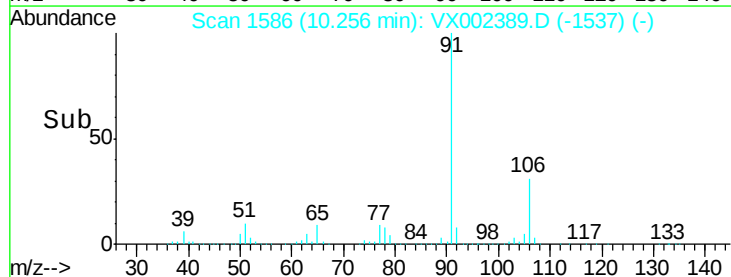
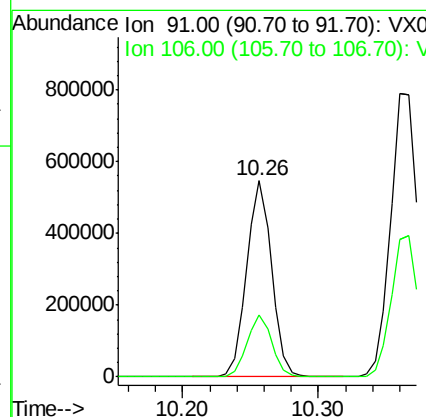
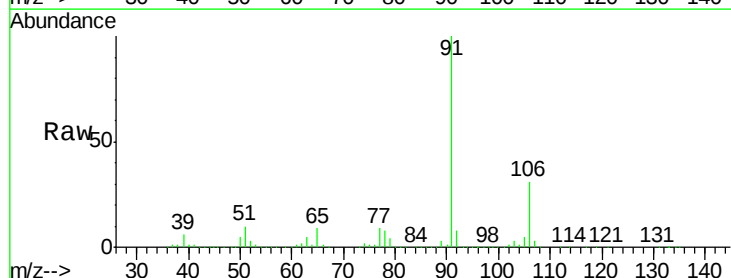
RT: 10.26 min Scan# 1586

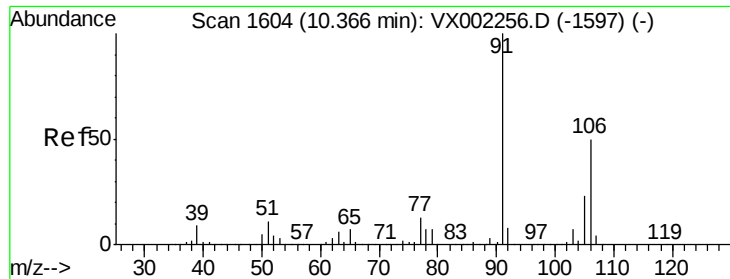
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	702954		
106	31.4	25.5	38.3	





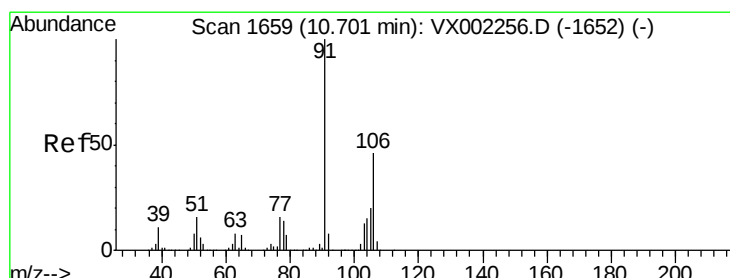
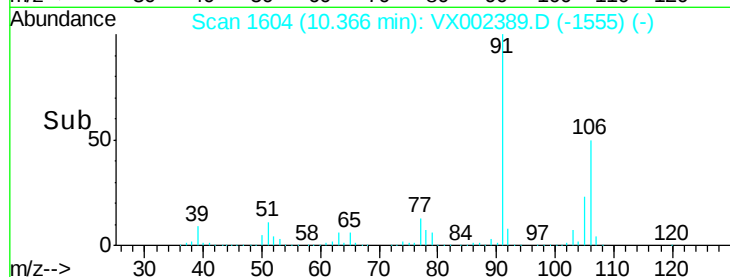
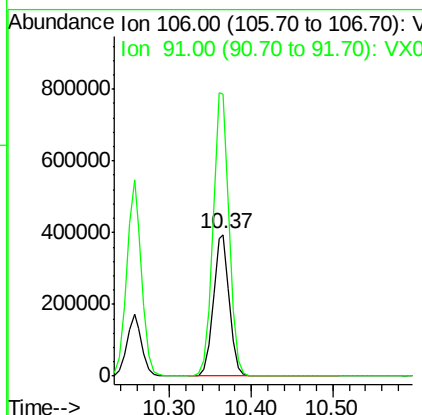
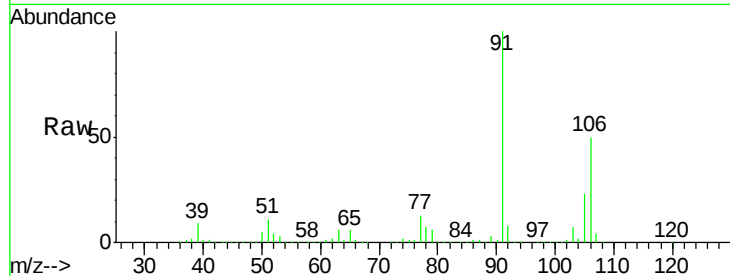
#68
m/p-Xylenes
Concen: 99.872 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion:106 Resp: 547707
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

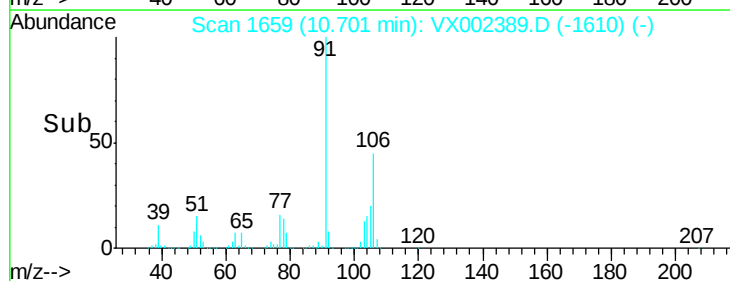
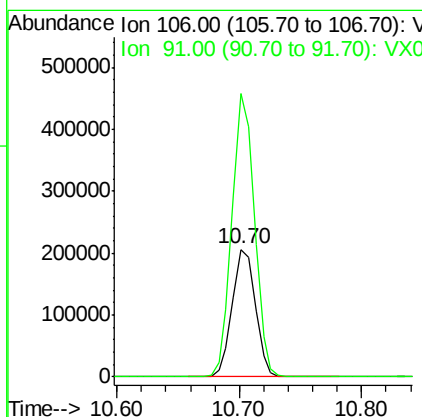
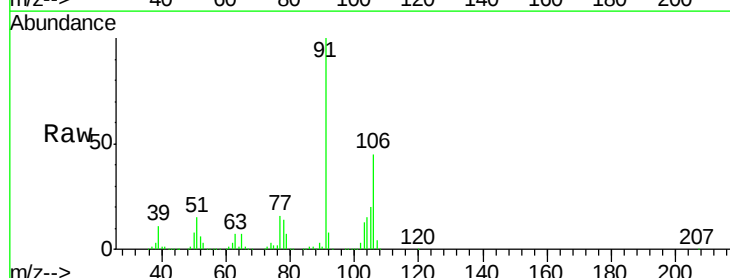
Manual Integrations
APPROVED

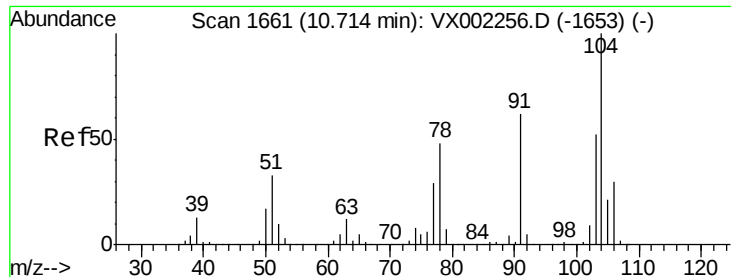
MMDadoda
6/8/2018 1:20:28 PM



#69
o-Xylene
Concen: 49.395 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion:106 Resp: 269573
Ion Ratio Lower Upper
106 100
91 215.5 108.2 324.6





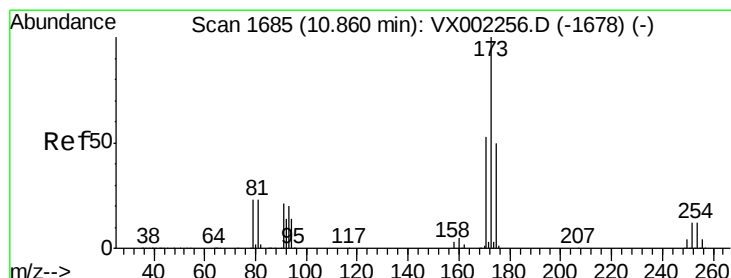
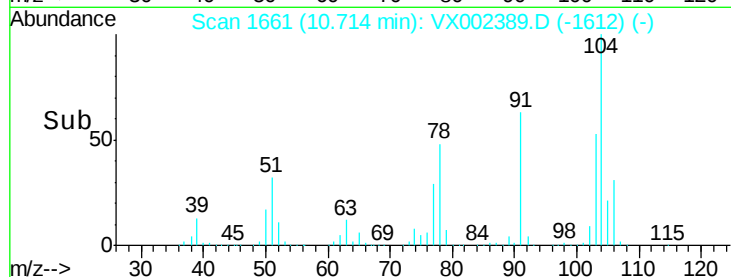
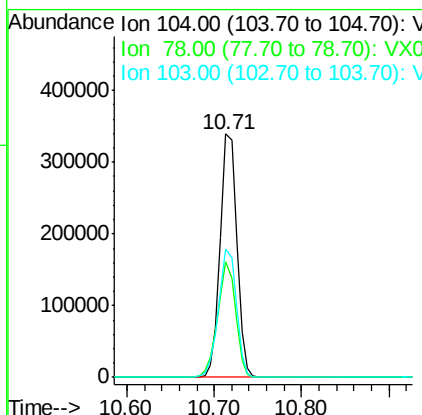
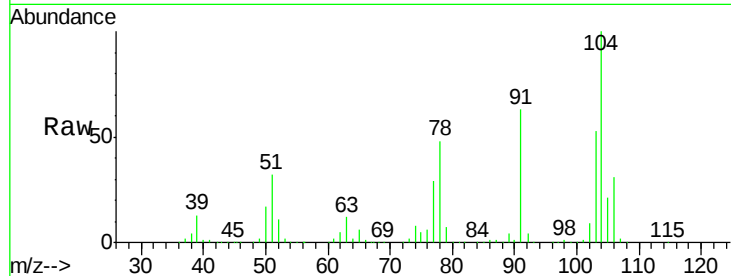
#70
Styrene
Concen: 50.215 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	448009		
78	50.6	41.0	61.6	
103	56.4	44.2	66.4	

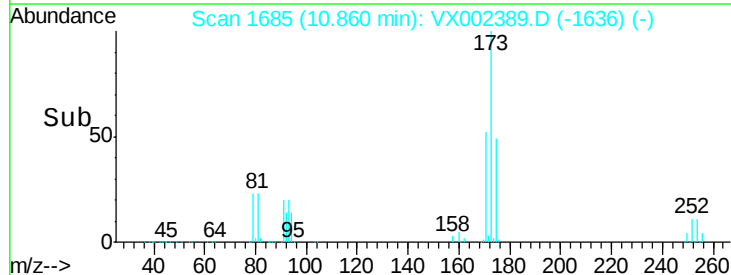
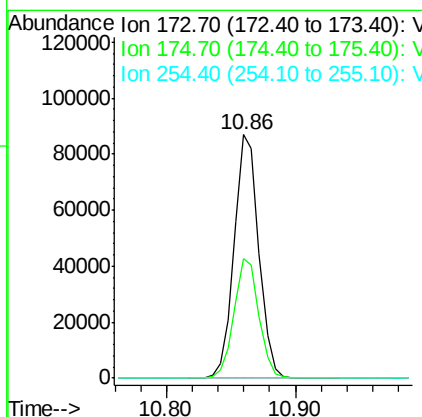
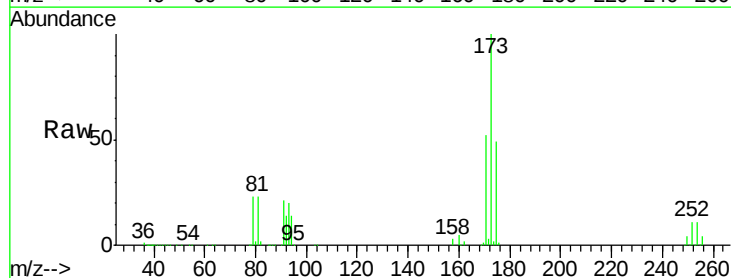
Manual Integrations
APPROVED

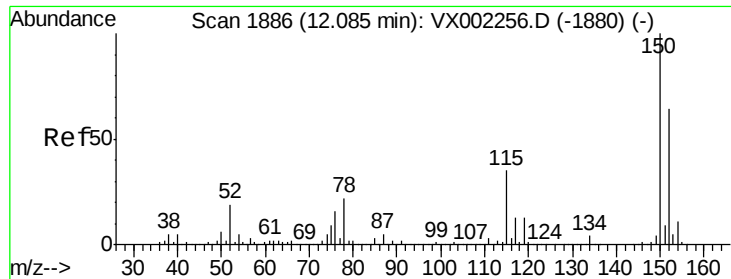
MMDadoda
6/8/2018 1:20:28 PM



#71
Bromoform
Concen: 42.872 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	115752		
175	49.4	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: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

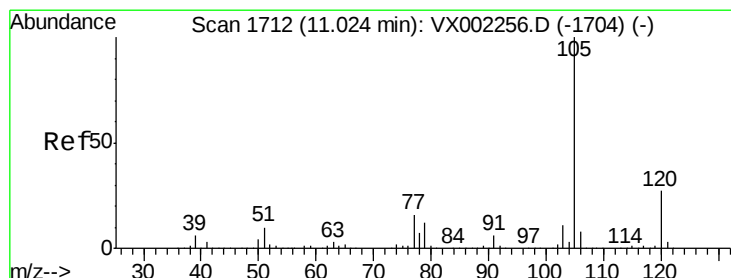
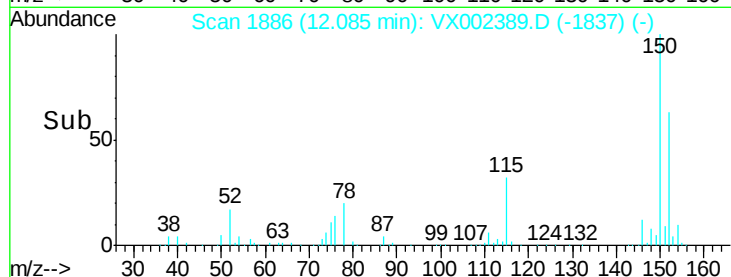
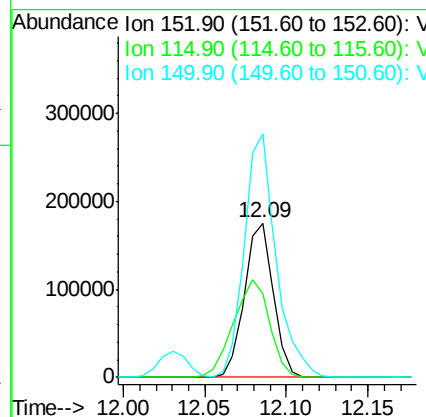
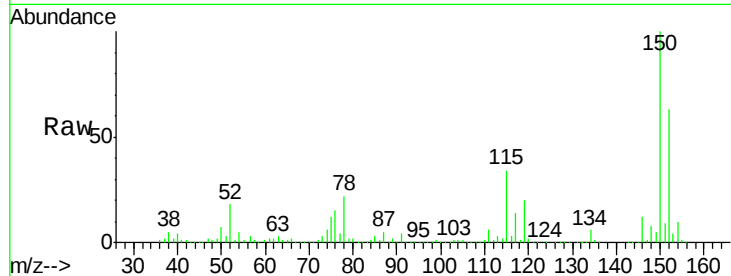
ClientSampleId :

LF5-0064MSD

Tgt Ion:	152	Resp:	216353
Ion Ratio	Lower	Upper	
152	100		
115	79.1	40.1	120.2
150	174.1	0.0	347.2

Manual Integrations
APPROVED

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



#73

Isopropylbenzene

Concen: 48.449 ug/l

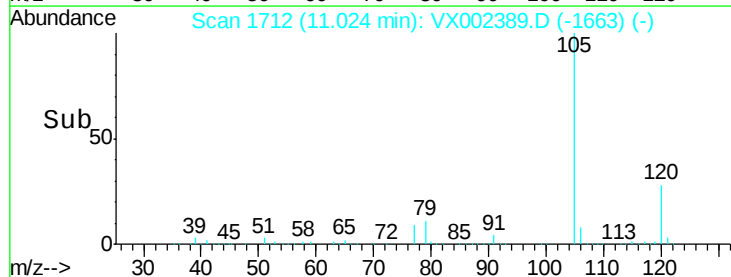
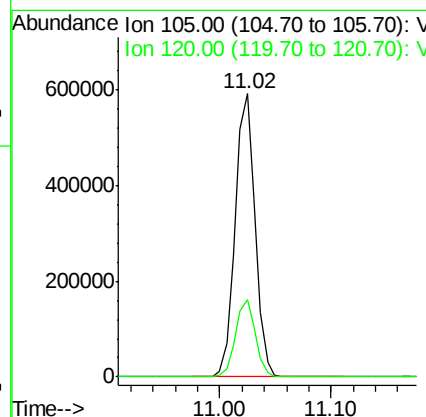
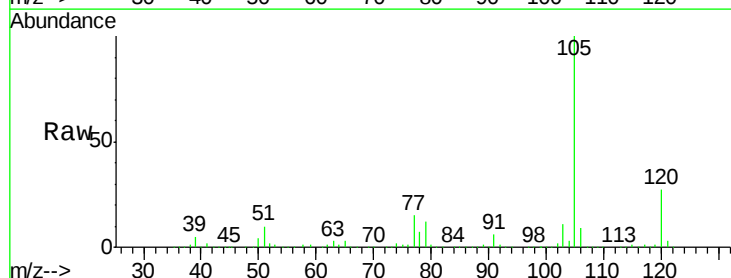
RT: 11.02 min Scan# 1712

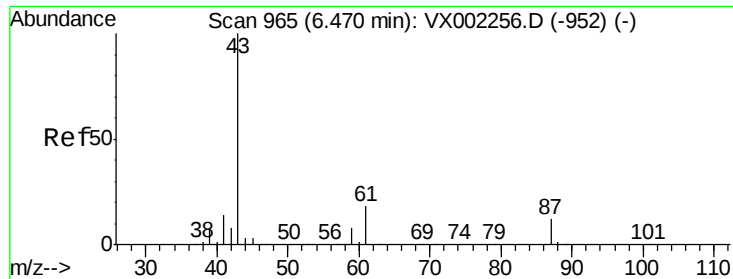
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	105	Resp:	729188
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.4





#74

N-ethyl acetate

Concen: 41.823 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

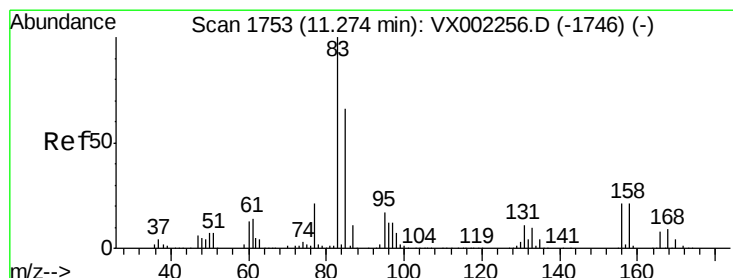
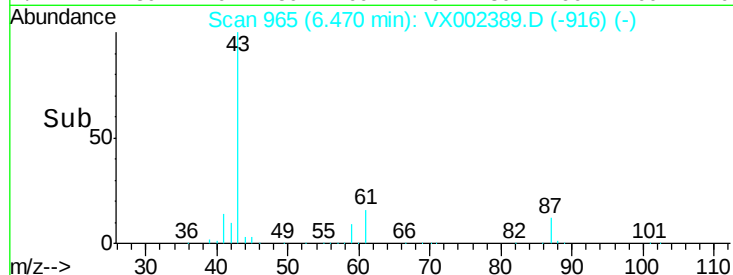
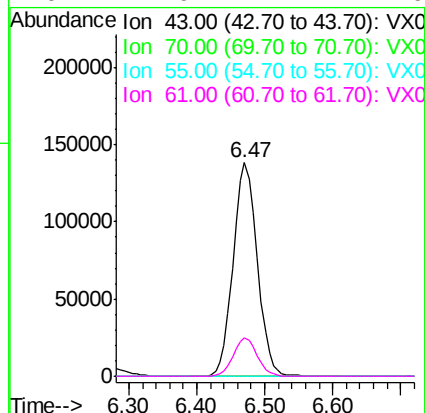
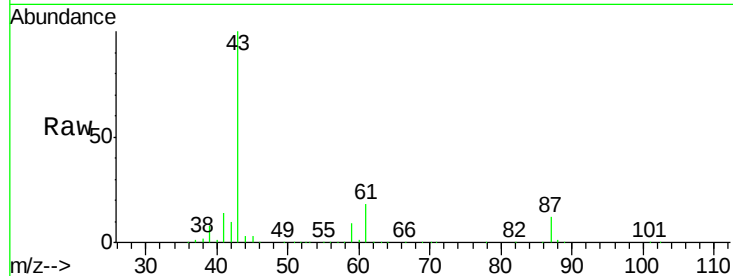
ClientSampleId :

LF5-0064MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0#
55	0.1	0.0	0.0#
61	17.9	14.4	21.6

Manual Integrations
APPROVED

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



#75

1,1,2,2-Tetrachloroethane

Concen: 46.568 ug/l

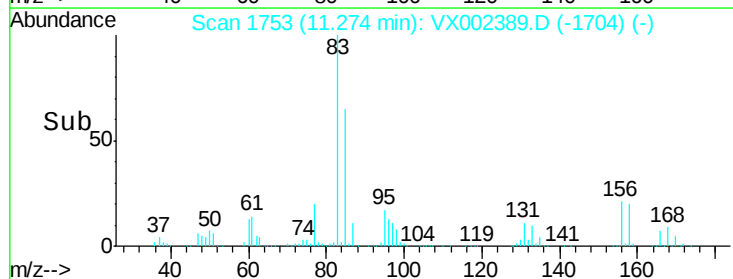
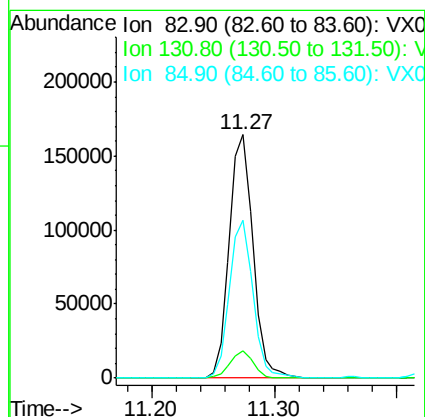
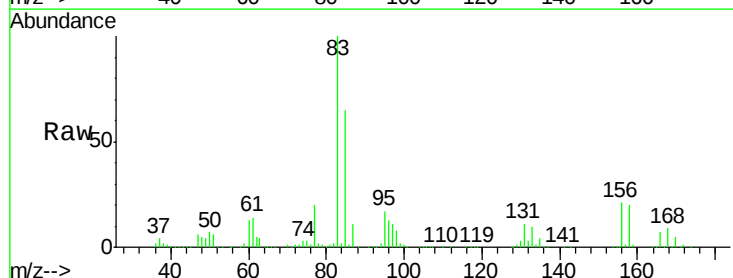
RT: 11.27 min Scan# 1753

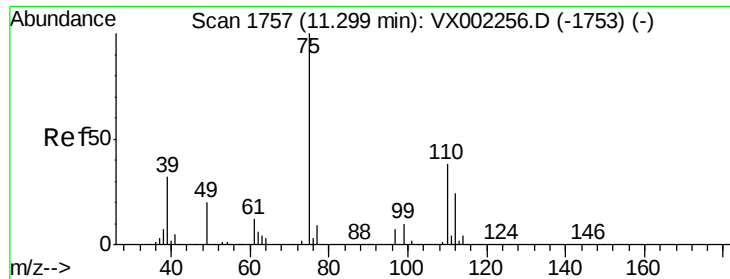
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	64.5	32.4	97.2





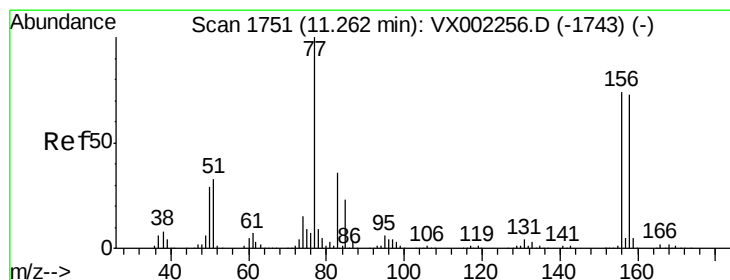
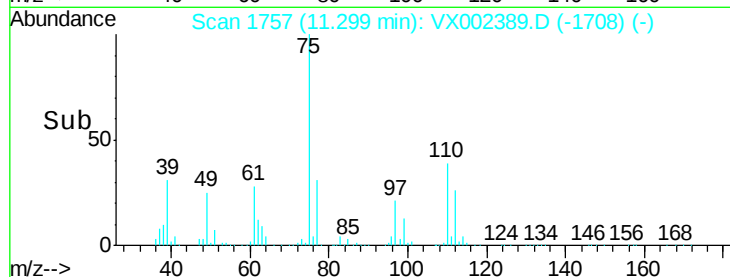
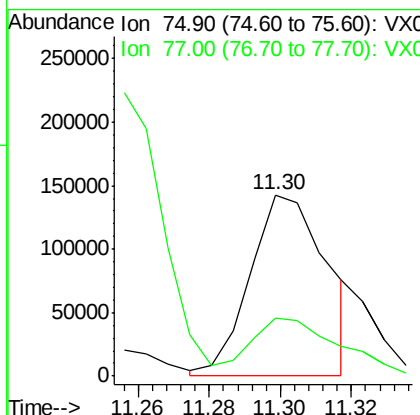
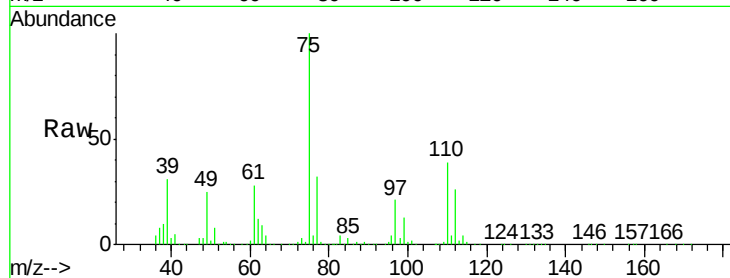
#76
1,2,3-Trichloropropane
Concen: 45.332 ug/l m
RT: 11.30 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion: 75 Resp: 215209
Ion Ratio Lower Upper
75 100
77 37.3 22.8 68.3

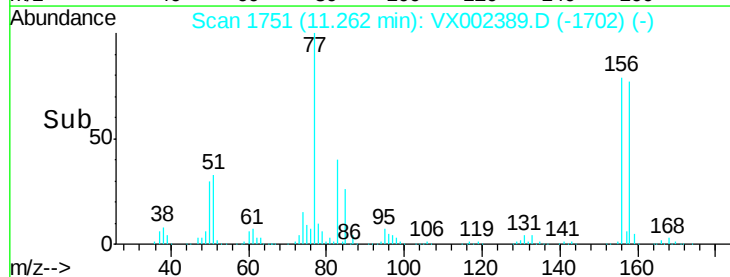
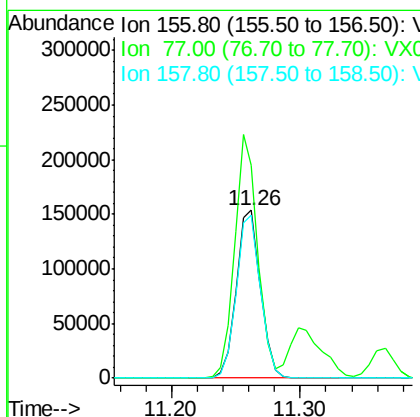
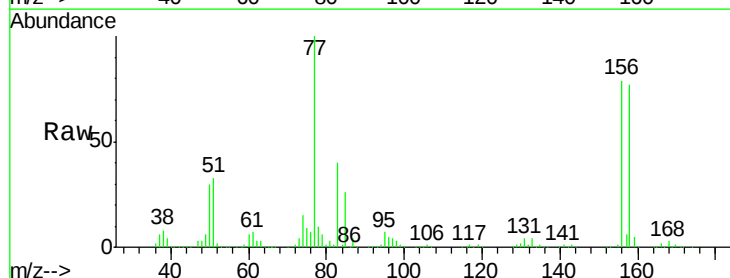
Manual Integrations
APPROVED

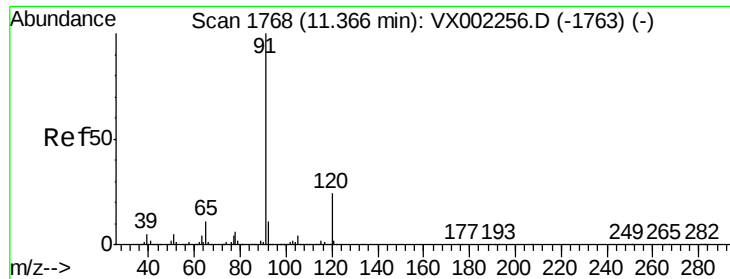
MMDadoda
6/8/2018 1:20:28 PM



#77
Bromobenzene
Concen: 47.188 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 156 Resp: 199381
Ion Ratio Lower Upper
156 100
77 138.3 71.4 214.2
158 97.5 48.9 146.6





#78

n-propylbenzene

Concen: 49.761 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tgt Ion: 91 Resp: 832419

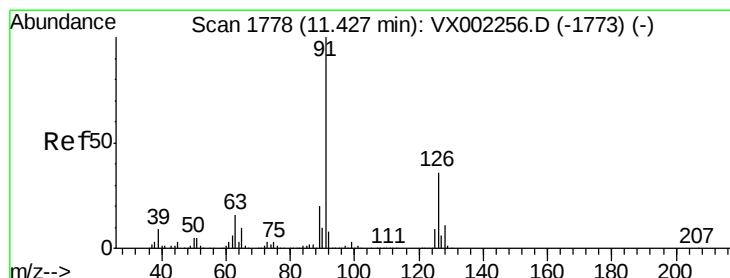
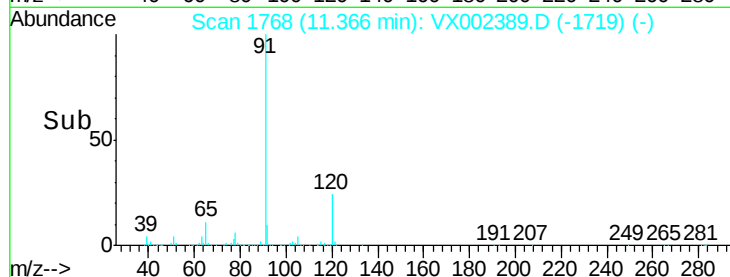
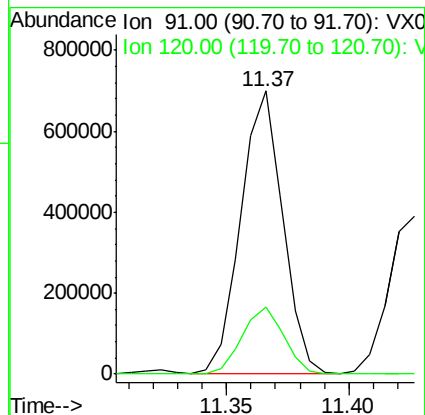
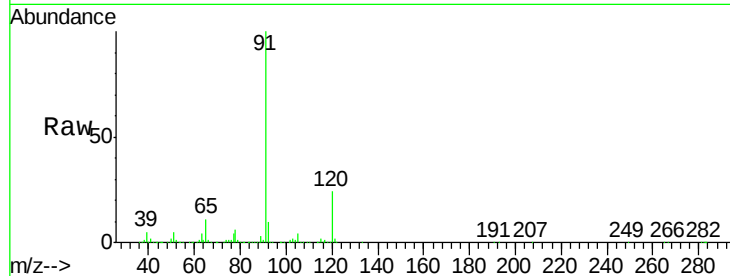
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4

Manual Integrations
APPROVED

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



#79

2-Chlorotoluene

Concen: 46.479 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002389.D

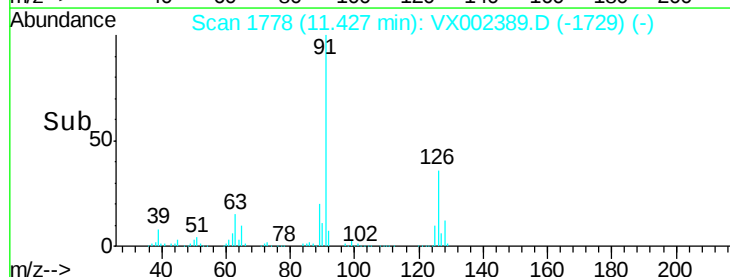
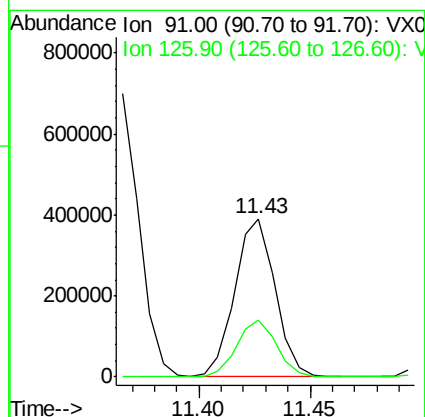
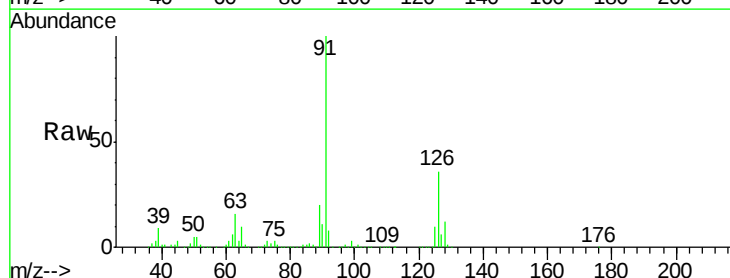
Acq: 07 Jun 2018 20:20

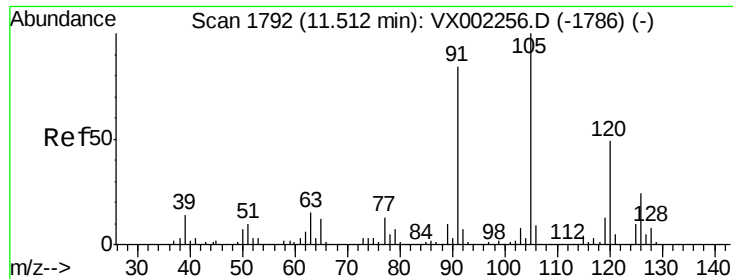
Tgt Ion: 91 Resp: 490952

Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1





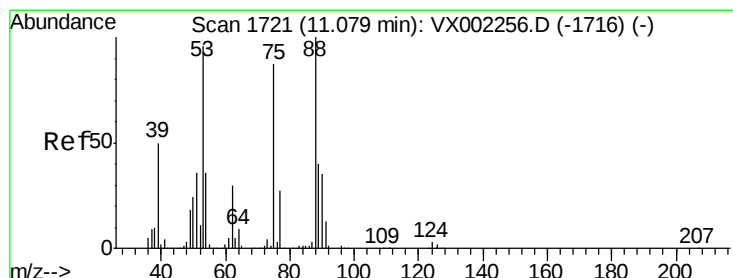
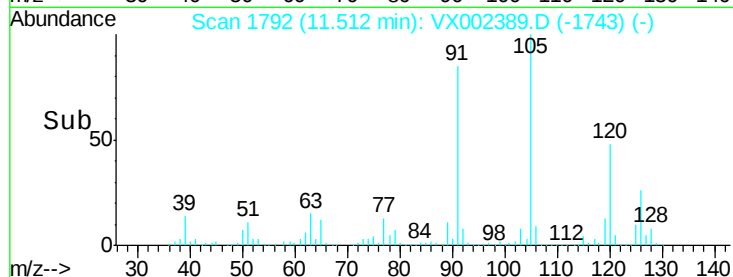
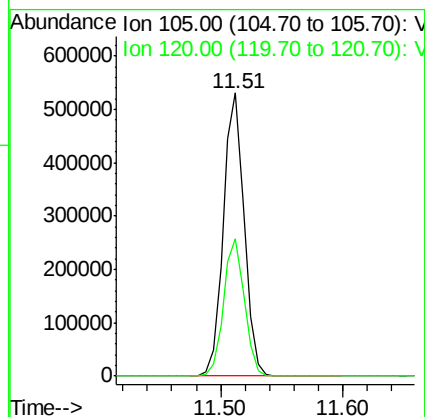
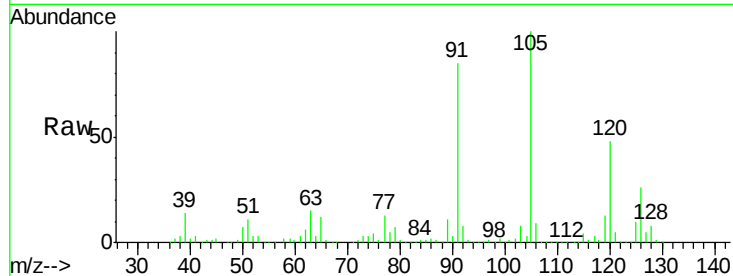
#80
 1,3,5-Trimethylbenzene
 Concen: 48.356 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion: 105 Resp: 624238
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4

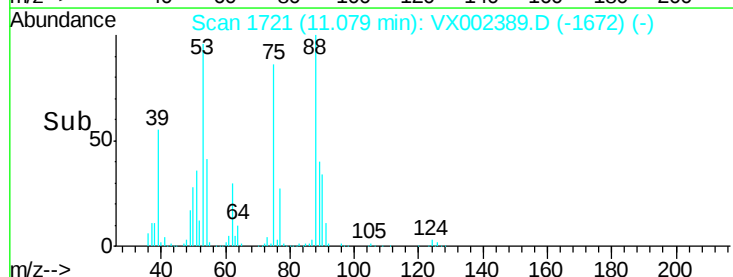
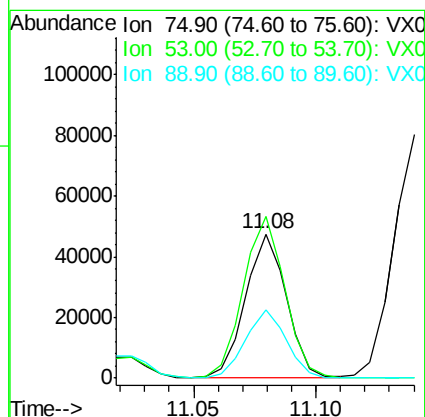
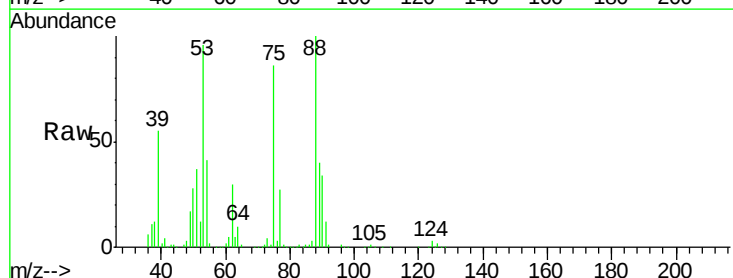
Manual Integrations
 APPROVED

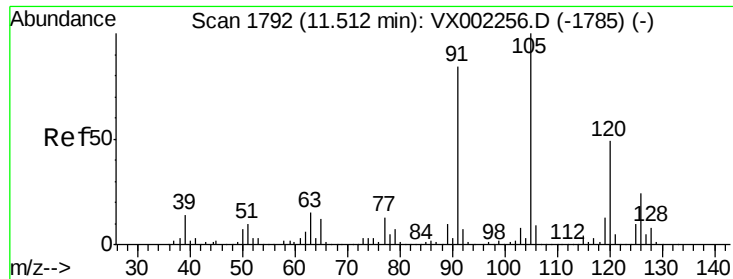
MMDadoda
 6/8/2018 1:20:28 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.004 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 75 Resp: 55532
 Ion Ratio Lower Upper
 75 100
 53 113.4 86.8 130.2
 89 47.4 38.2 57.2





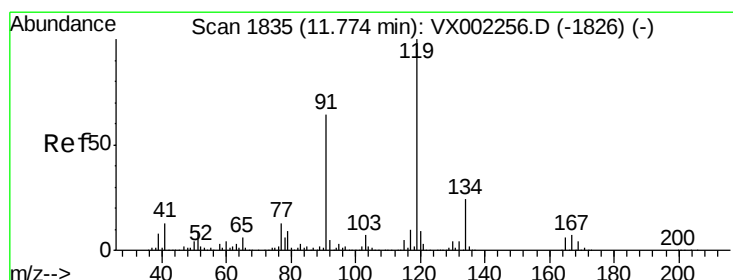
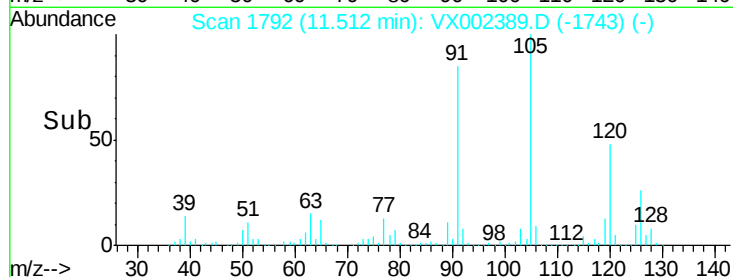
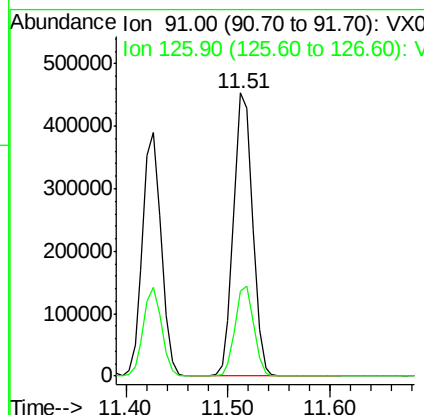
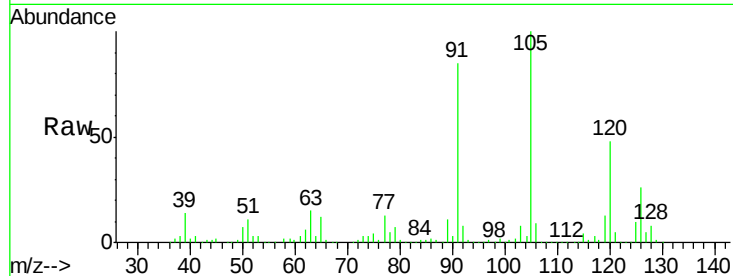
#82
4-Chlorotoluene
Concen: 47.678 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tgt Ion: 91 Resp: 581296
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4

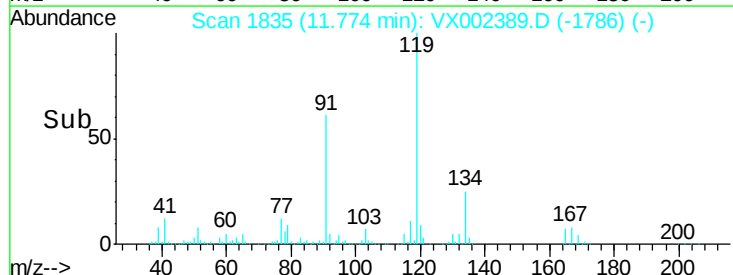
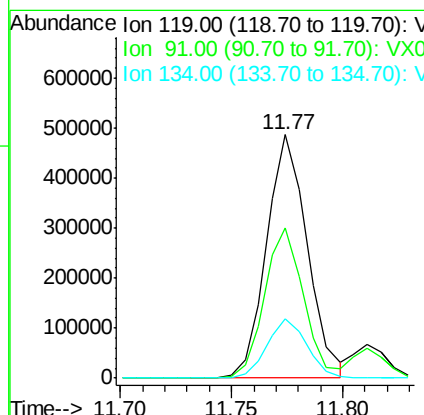
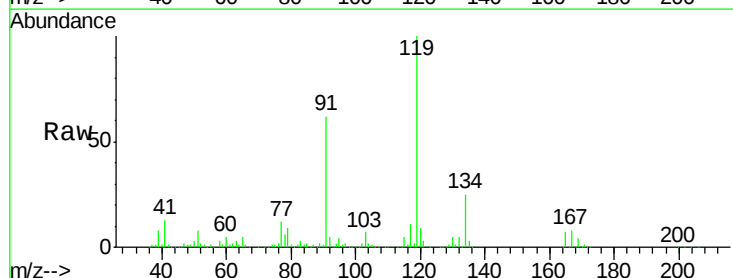
Manual Integrations
APPROVED

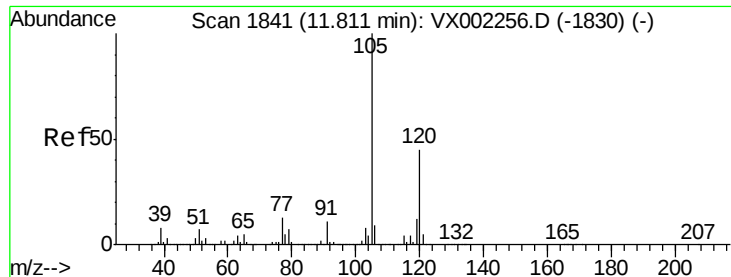
MMDadoda
6/8/2018 1:20:28 PM



#83
tert-Butylbenzene
Concen: 49.156 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 119 Resp: 617928
Ion Ratio Lower Upper
119 100
91 59.5 30.3 90.9
134 23.9 11.7 35.1





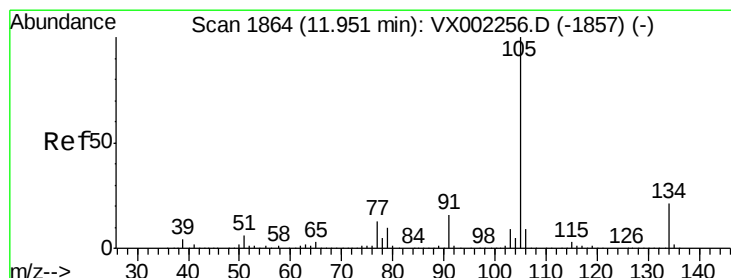
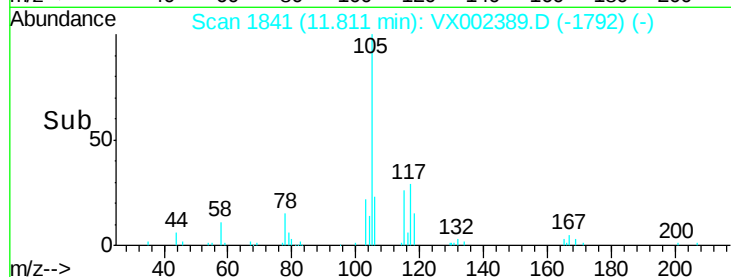
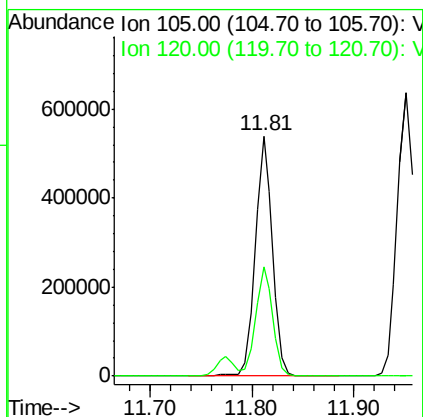
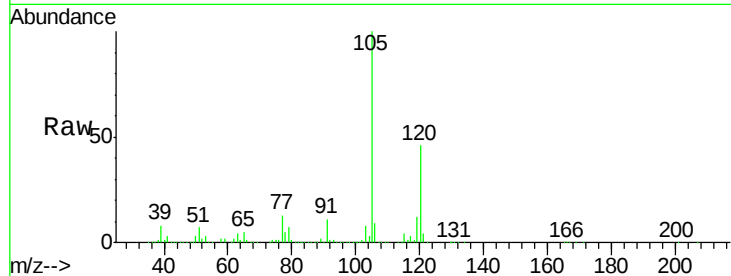
#84
 1,2,4-Trimethylbenzene
 Concen: 48.027 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion:105 Resp: 638205
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8

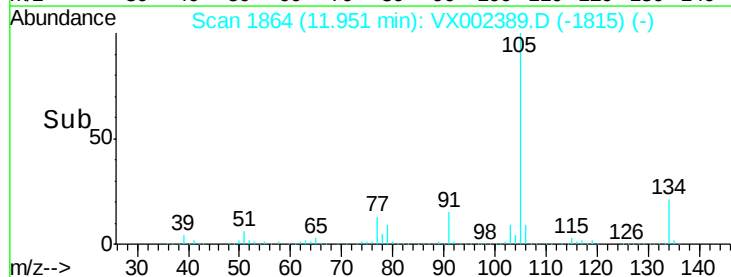
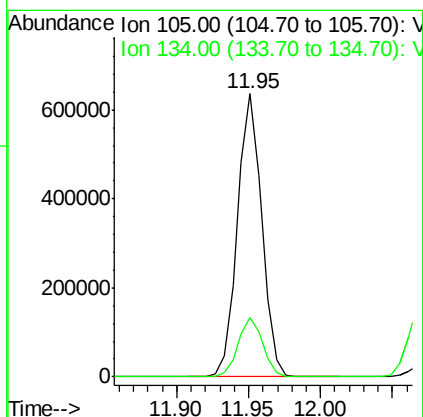
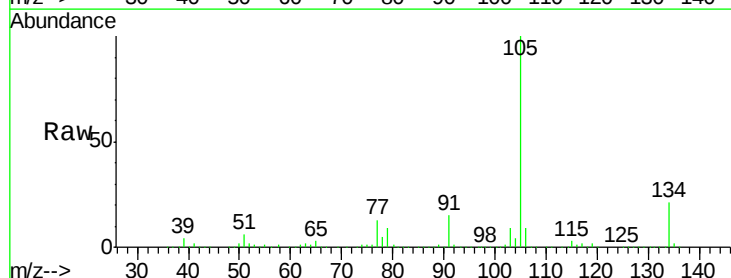
Manual Integrations
 APPROVED

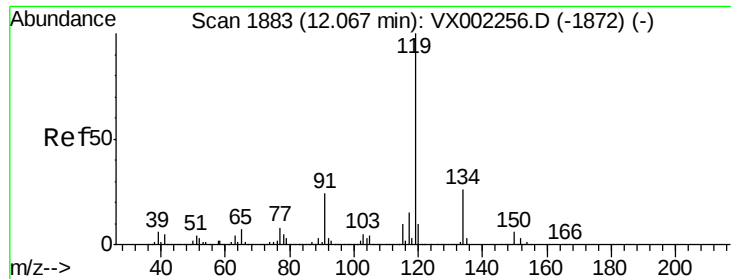
MMDadoda
 6/8/2018 1:20:28 PM



#85
 sec-Butylbenzene
 Concen: 50.758 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion:105 Resp: 748020
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.1





#86

p-Isopropyltoluene

Concen: 50.444 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

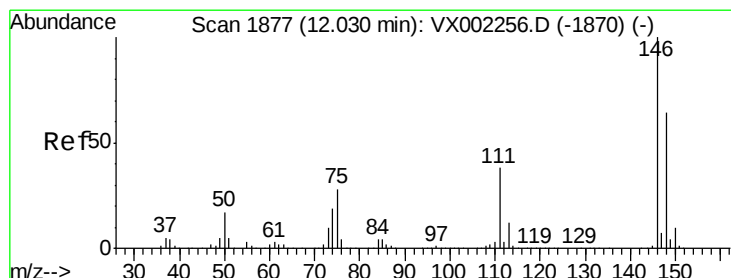
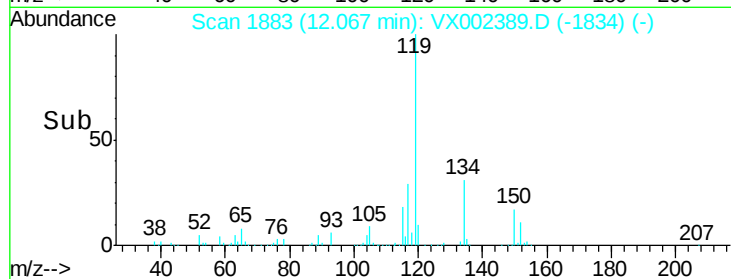
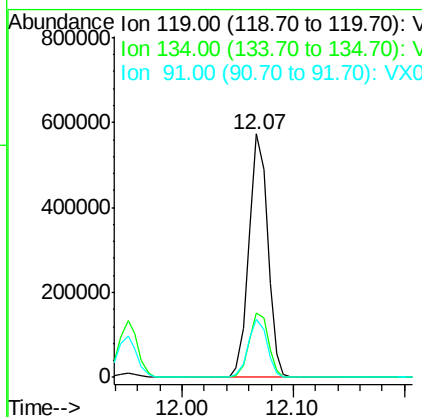
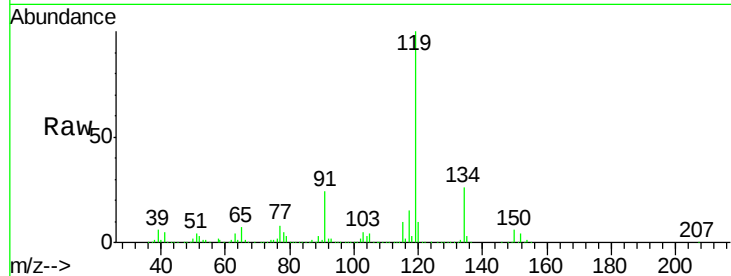
ClientSampleId :

LF5-0064MSD

Tgt Ion:	119	Resp:	677135
Ion Ratio	Lower	Upper	
119	100		
134	27.0	13.4	40.1
91	24.0	11.9	35.7

Manual Integrations
APPROVED

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



#87

1,3-Dichlorobenzene

Concen: 47.802 ug/l

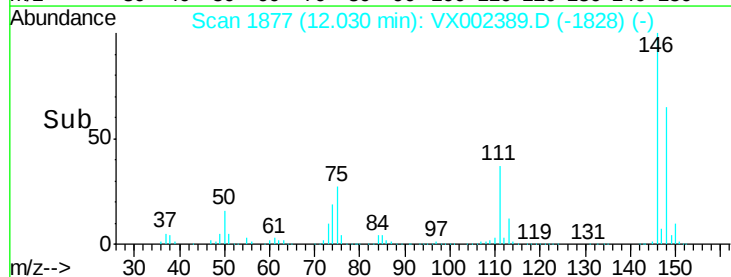
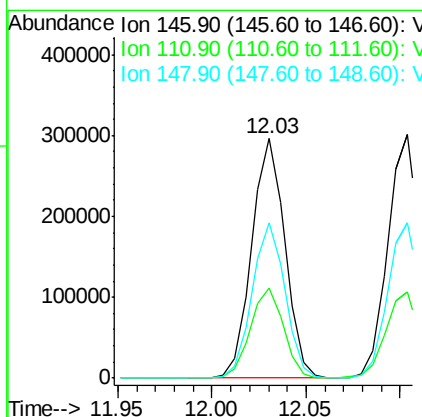
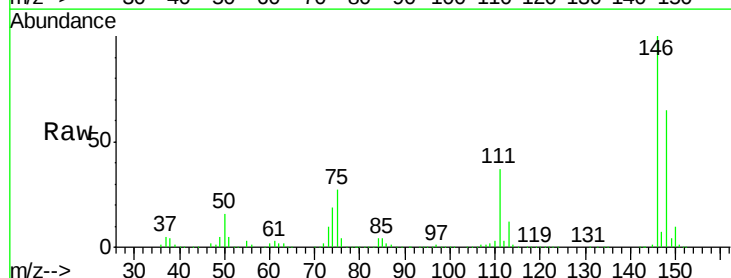
RT: 12.03 min Scan# 1877

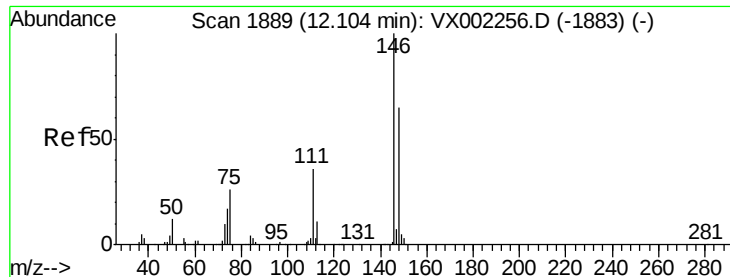
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	146	Resp:	361139
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.7
148	64.4	32.1	96.3





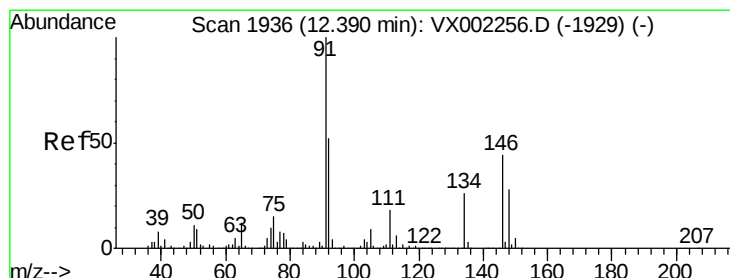
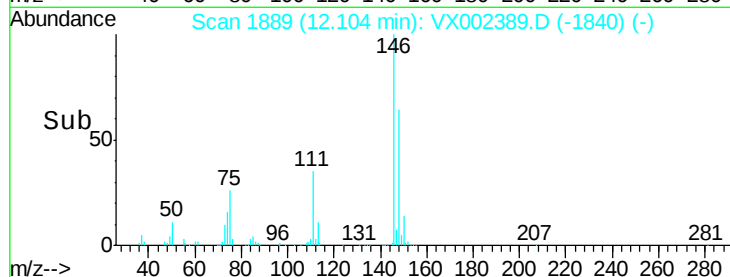
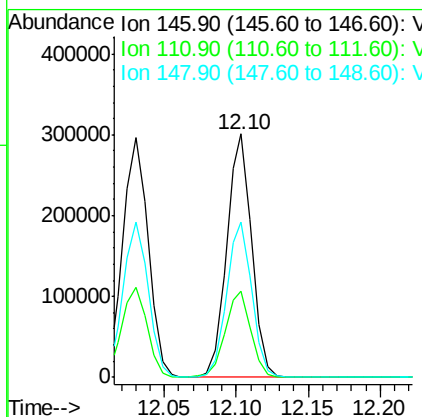
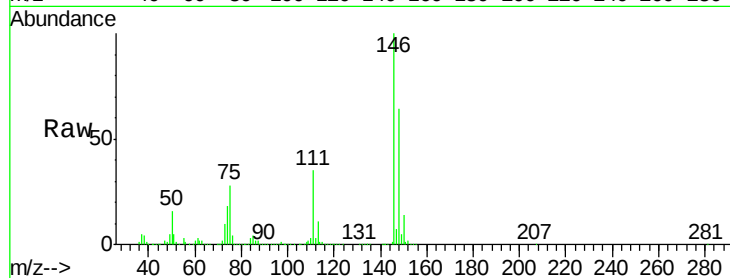
#88
 1,4-Dichlorobenzene
 Concen: 47.113 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366877		
111	36.4	18.7	56.1	
148	64.2	32.4	97.0	

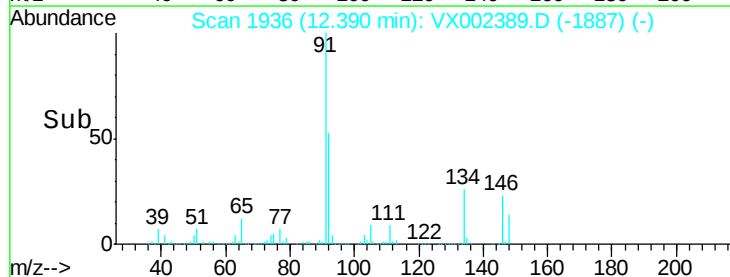
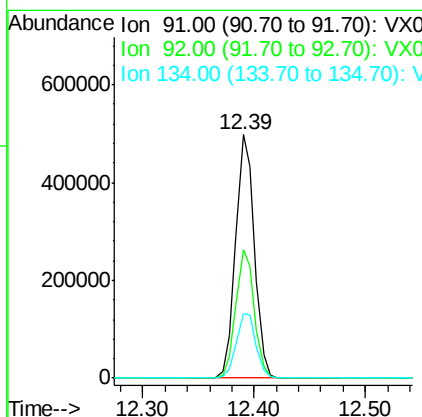
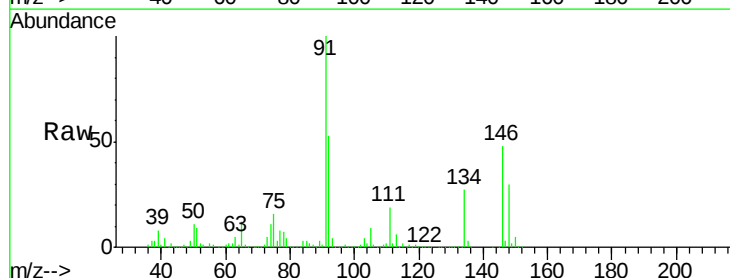
Manual Integrations
 APPROVED

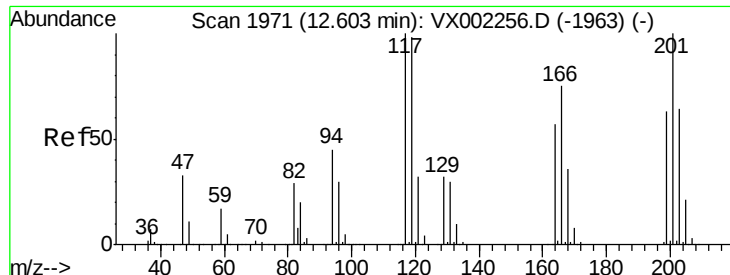
MMDadoda
 6/8/2018 1:20:28 PM



#89
 n-Butylbenzene
 Concen: 51.326 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	577832		
92	52.1	26.0	78.0	
134	27.4	13.5	40.5	





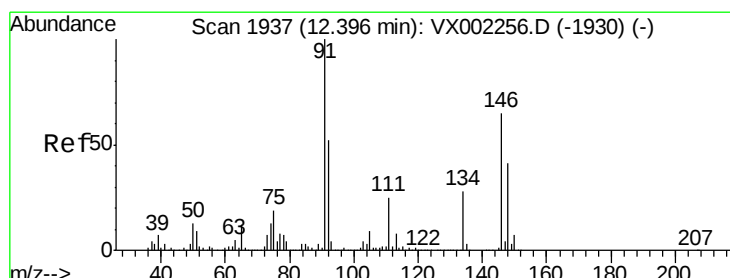
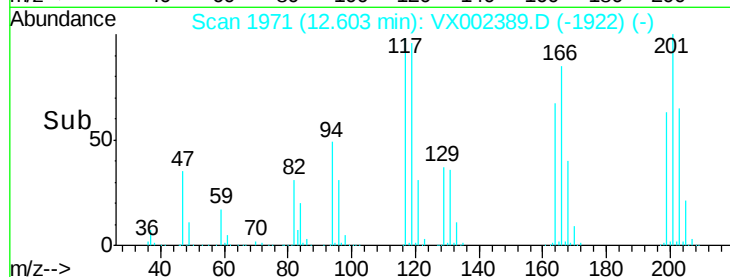
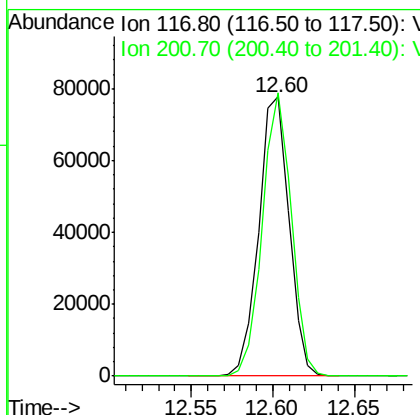
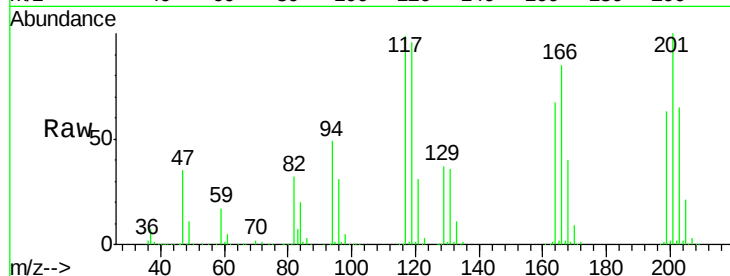
#90
Hexachloroethane
Concen: 47.115 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

Tgt Ion:117 Resp: 100958
Ion Ratio Lower Upper
117 100
201 96.0 49.0 147.0

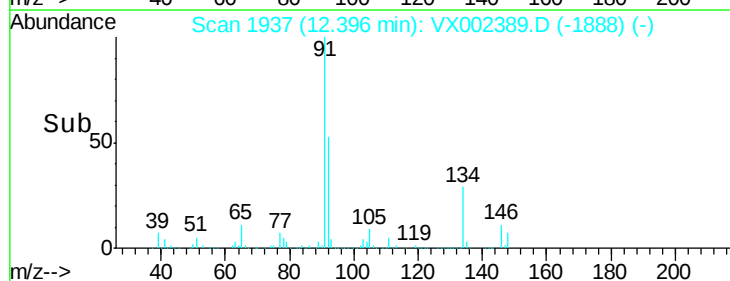
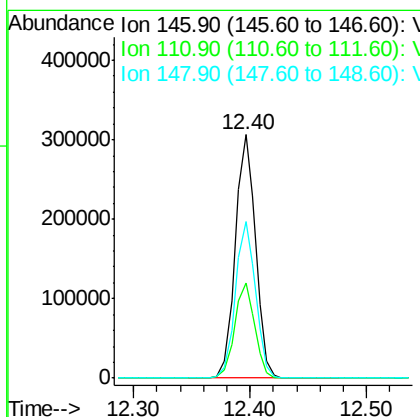
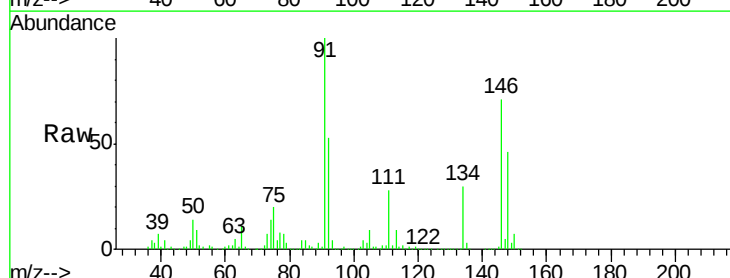
Manual Integrations
APPROVED

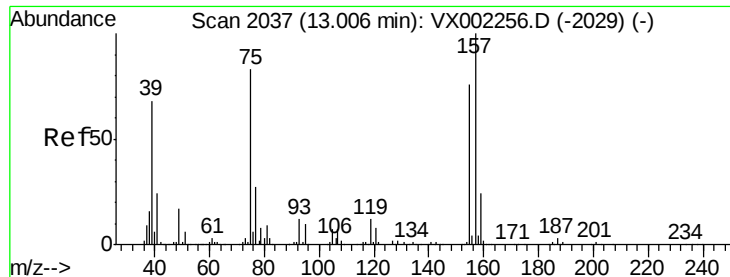
MMDadoda
6/8/2018 1:20:28 PM



#91
1,2-Dichlorobenzene
Concen: 47.516 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion:146 Resp: 371414
Ion Ratio Lower Upper
146 100
111 38.6 19.4 58.1
148 63.9 31.7 95.1





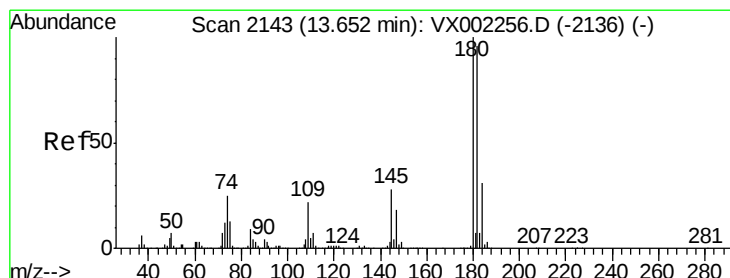
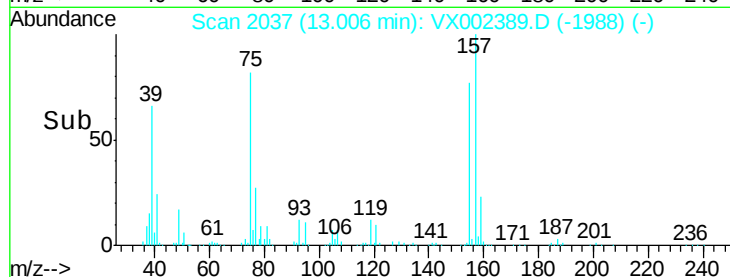
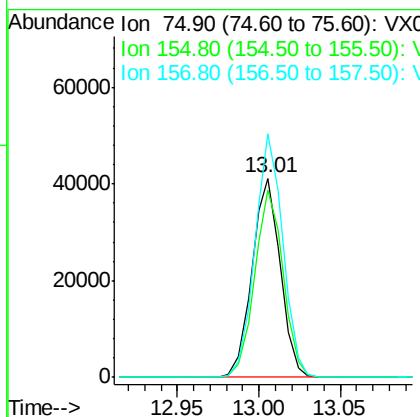
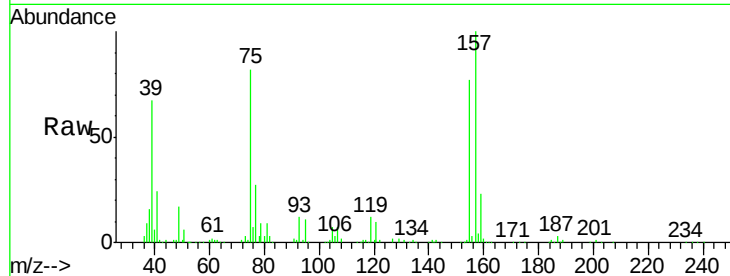
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.072 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion: 75 Resp: 49762
 Ion Ratio Lower Upper
 75 100
 155 94.2 45.8 137.4
 157 120.7 60.1 180.3

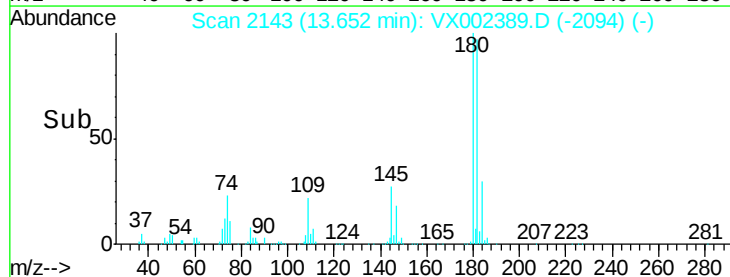
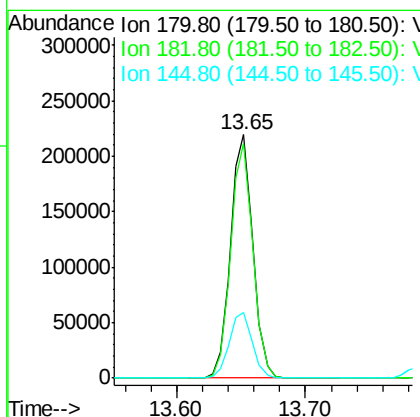
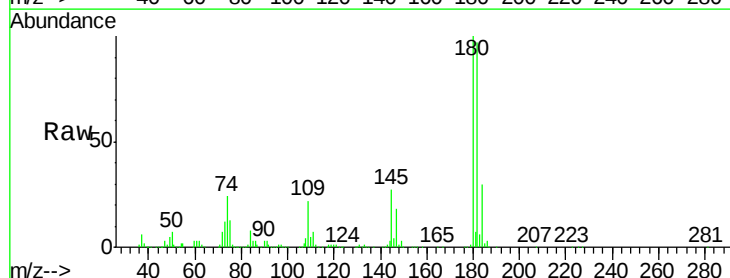
Manual Integrations
 APPROVED

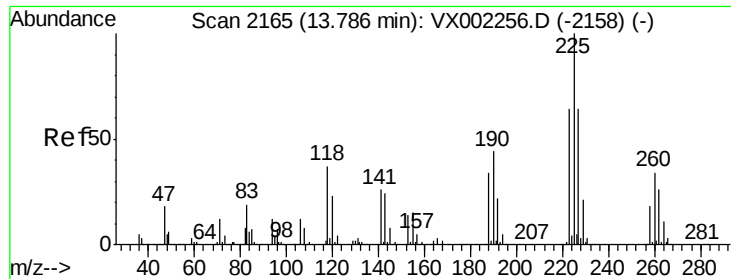
MMDadoda
 6/8/2018 1:20:28 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.552 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 180 Resp: 266111
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.7 143.1
 145 27.9 14.1 42.4





#94

Hexachlorobutadiene

Concen: 52.127 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

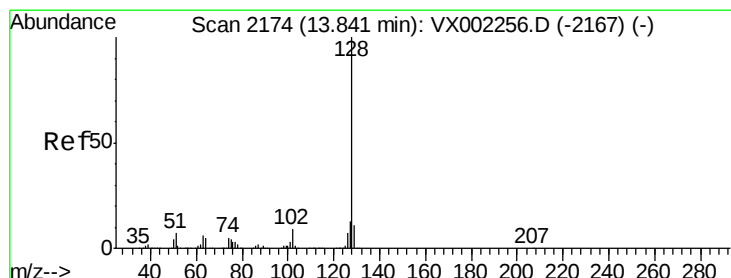
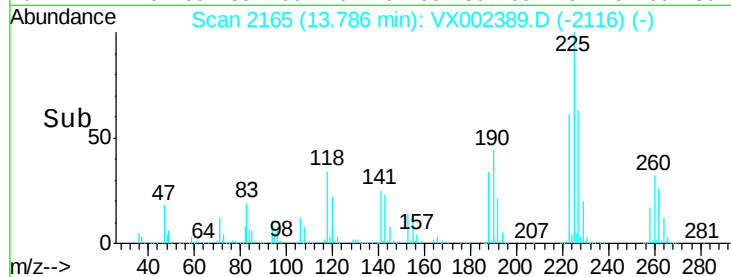
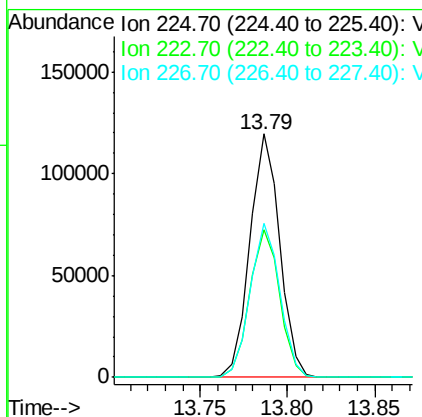
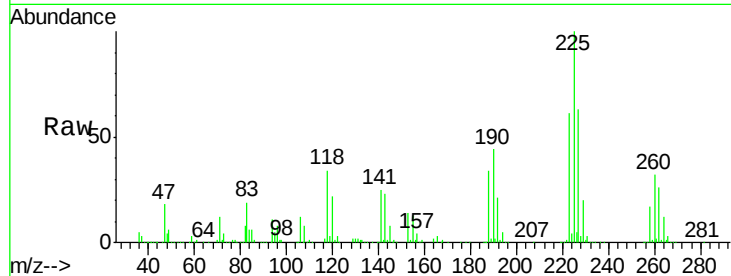
ClientSampleId :

LF5-0064MSD

Tgt Ion:	225	Resp:	141182
Ion Ratio		Lower	Upper
225	100		
223	61.3	31.6	95.0
227	63.2	32.4	97.2

Manual Integrations
APPROVED

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



#95

Naphthalene

Concen: 49.417 ug/l

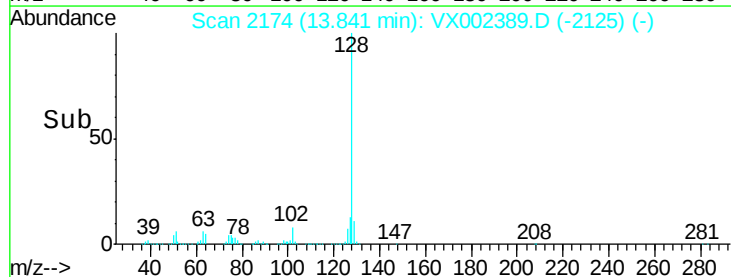
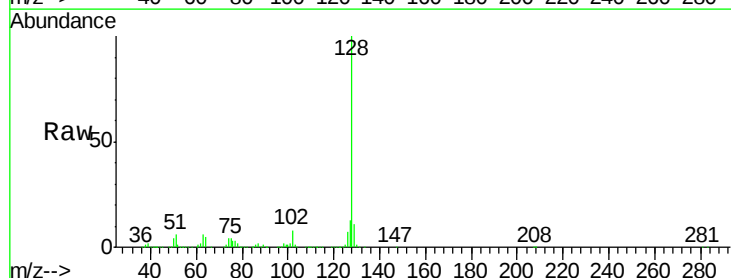
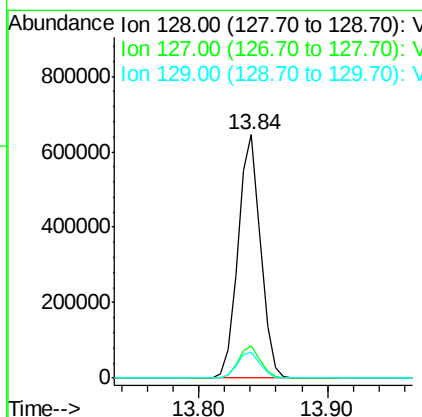
RT: 13.84 min Scan# 2174

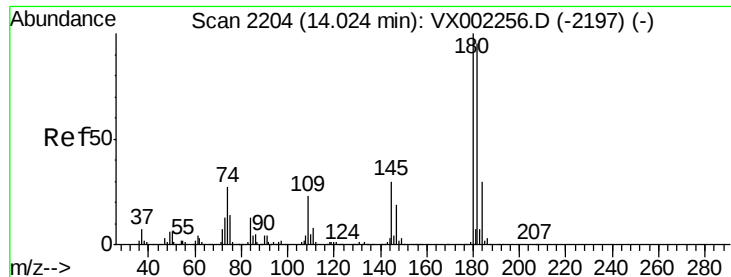
Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion:	128	Resp:	778217
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0





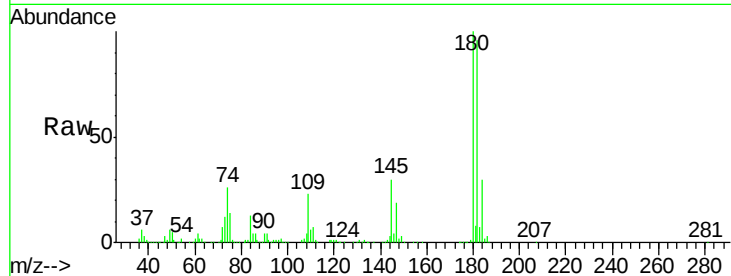
#96
 1,2,3-Trichlorobenzene
 Concen: 48.957 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	273656		
182	95.3	48.0	144.0	
145	29.6	14.8	44.3	

Manual Integrations
 APPROVED

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



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

