

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002550.D
 Acq On : 14 Jun 2018 14:35
 Operator : JC/MD
 Sample : VX0614WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:11:50 PM

Quant Time: Jun 15 01:51:41 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	275006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	219555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200204	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	5.51	113	157913	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	8.72	98	616199	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.14	95	226953	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39905	13.959	ug/l	100
3) Chloromethane	1.32	50	45847	11.803	ug/l	96
4) Vinyl Chloride	1.40	62	51326	14.246	ug/l	99
5) Bromomethane	1.64	94	29205	11.772	ug/l	96
6) Chloroethane	1.73	64	35632	15.289	ug/l	98
7) Trichlorofluoromethane	1.93	101	88586	16.137	ug/l	100
8) Diethyl Ether	2.19	74	35018	16.338	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53125	17.933	ug/l	99
10) Methyl Iodide	2.51	142	54385	13.052	ug/l	99
11) Tert butyl alcohol	3.07	59	75009	79.575	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44319	15.138	ug/l	99
13) Acrolein	2.29	56	12344	22.744	ug/l	98
14) Allyl chloride	2.73	41	91286	14.368	ug/l	99
15) Acrylonitrile	3.15	53	154183	85.757	ug/l	100
16) Acetone	2.45	43	156020	79.147	ug/l	98
17) Carbon Disulfide	2.57	76	90467	11.724	ug/l	100
18) Methyl Acetate	2.78	43	74770	17.208	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	189802	17.041	ug/l	99
20) Methylene Chloride	2.86	84	53984	15.452	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	48563	15.042	ug/l	97
22) Diisopropyl ether	3.87	45	189047	16.824	ug/l	97
23) Vinyl Acetate	3.82	43	834168	80.991	ug/l	99
24) 1,1-Dichloroethane	3.70	63	100195	15.956	ug/l	98
25) 2-Butanone	4.71	43	213279	79.097	ug/l	97
26) 2,2-Dichloropropane	4.59	77	70243	14.310	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	55661	15.853	ug/l	93
28) Bromochloromethane	5.03	49	47127	15.166	ug/l	97
29) Tetrahydrofuran	5.17	42	135915	78.180	ug/l	98
30) Chloroform	5.21	83	93143	15.372	ug/l	98
31) Cyclohexane	5.57	56	77585	15.625	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	78280	15.233	ug/l	100
36) 1,1-Dichloropropene	5.80	75	63972	15.353	ug/l	99
37) Ethyl Acetate	4.86	43	83938	16.751	ug/l	99
38) Carbon Tetrachloride	5.78	117	66720	15.307	ug/l	95

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Quant Time: Jun 15 01:51:41 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	79298	15.586	ug/l	97
40) Benzene	6.15	78	194913	15.257	ug/l	99
41) Methacrylonitrile	5.07	41	47388	16.520	ug/l	99
42) 1,2-Dichloroethane	6.20	62	82287	16.212	ug/l	100
43) Isopropyl Acetate	6.46	43	135357	15.904	ug/l	99
44) Trichloroethene	7.21	130	56612	15.966	ug/l	97
45) 1,2-Dichloropropane	7.52	63	54252	15.730	ug/l	99
46) Dibromomethane	7.67	93	37579	16.073	ug/l	98
47) Bromodichloromethane	7.90	83	63675	15.058	ug/l	96
48) Methyl methacrylate	7.78	41	67507	15.791	ug/l	97
49) 1,4-Dioxane	7.76	88	28117	351.750	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	439121	82.851	ug/l	100
52) Toluene	8.79	92	128285	15.788	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	76872	15.159	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	71011	14.843	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	55060	16.476	ug/l	99
56) Ethyl methacrylate	9.18	69	85550	16.034	ug/l	98
57) 1,3-Dichloropropane	9.37	76	90524	16.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	203048	82.224	ug/l	99
59) 2-Hexanone	9.50	43	333884	81.557	ug/l	99
60) Dibromochloromethane	9.59	129	50224	14.941	ug/l	100
61) 1,2-Dibromoethane	9.68	107	56457	16.202	ug/l	99
64) Tetrachloroethene	9.34	164	60552	15.681	ug/l	98
65) Chlorobenzene	10.14	112	148908	15.983	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	52475	15.555	ug/l	99
67) Ethyl Benzene	10.26	91	253863	16.282	ug/l	99
68) m/p-Xylenes	10.36	106	193420	31.913	ug/l	99
69) o-Xylene	10.70	106	95924	15.904	ug/l	99
70) Styrene	10.71	104	157041	15.927	ug/l	100
71) Bromoform	10.86	173	37218	14.924	ug/l #	100
73) Isopropylbenzene	11.02	105	263556	17.256	ug/l	100
74) N-amyl acetate	6.46	43	135357	16.447	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81939	17.058	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	72746m	15.100	ug/l	
77) Bromobenzene	11.26	156	72852	16.990	ug/l	97
78) n-propylbenzene	11.37	91	299610	17.649	ug/l	100
79) 2-Chlorotoluene	11.43	91	175386	16.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	220568	16.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	19535	14.214	ug/l	89
82) 4-Chlorotoluene	11.51	91	209608	16.941	ug/l	100
83) tert-Butylbenzene	11.77	119	218445	17.124	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	226990	16.833	ug/l	99
85) sec-Butylbenzene	11.95	105	269639	18.030	ug/l	99
86) p-Isopropyltoluene	12.07	119	243389	17.867	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	130971	17.083	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132849	16.811	ug/l	98
89) n-Butylbenzene	12.39	91	211823	18.541	ug/l	100
90) Hexachloroethane	12.60	117	32248	14.830	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	134359	16.938	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16276	15.494	ug/l	99

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MSVOA_X
ClientSampleId :
VX0614WBSD01

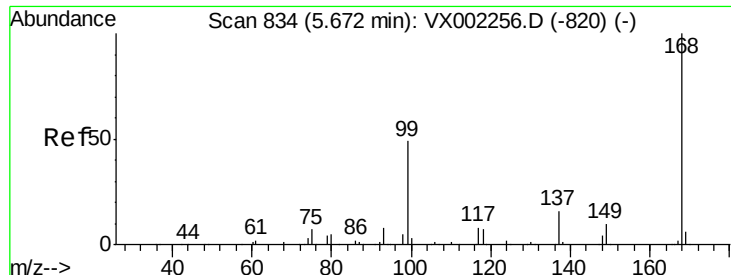
Manual Integrations
APPROVED

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6/15/2018 1:11:50 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102049	18.347	ug/l	99
94) Hexachlorobutadiene	13.79	225	53440	19.443	ug/l	98
95) Naphthalene	13.84	128	280733	17.567	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102209	18.018	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: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion:168 Resp: 275006

Ion Ratio Lower Upper

168 100

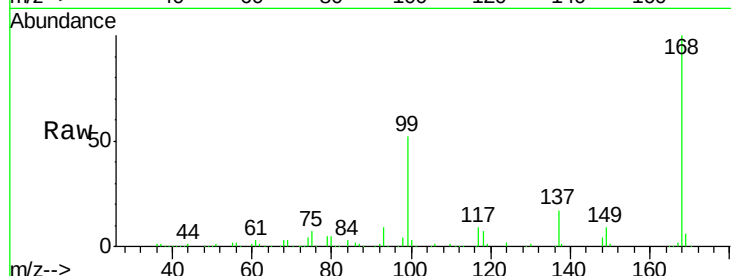
99 51.8 39.3 58.9

Manual Integrations

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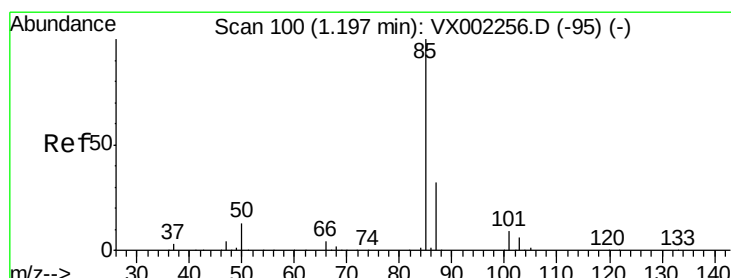
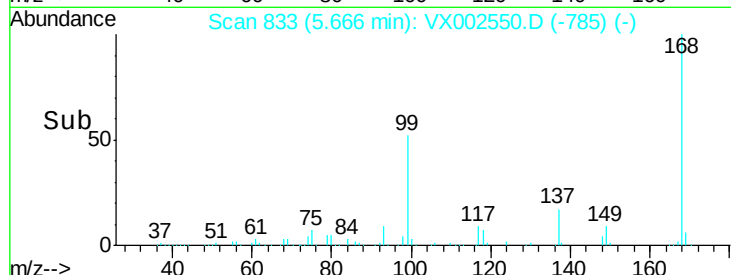
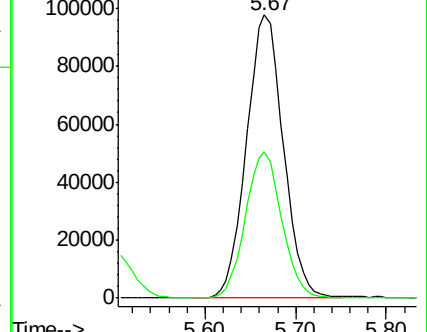
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 13.959 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002550.D

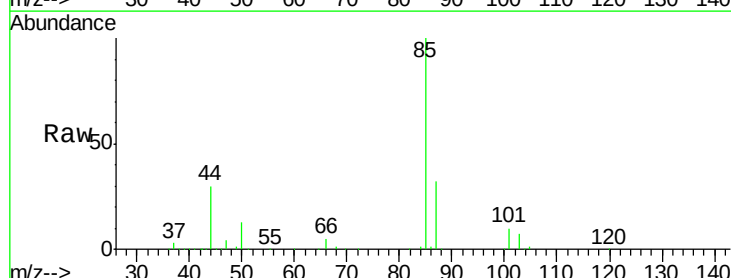
Acq: 14 Jun 2018 14:35

Tgt Ion: 85 Resp: 39905

Ion Ratio Lower Upper

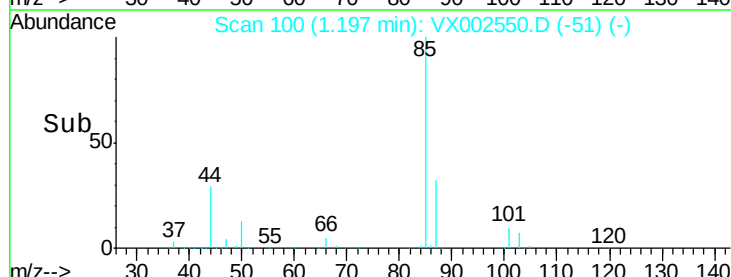
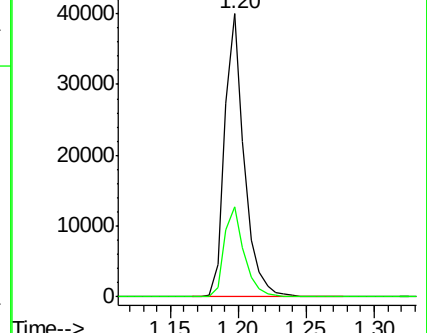
85 100

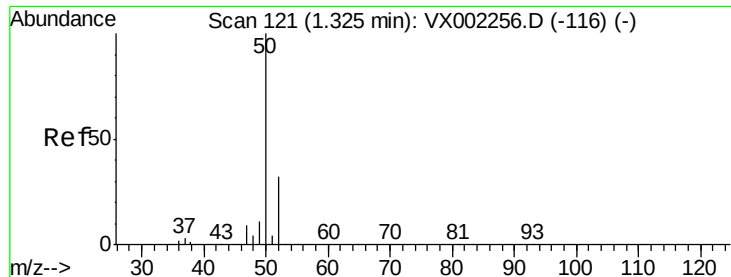
87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 11.803 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 50 Resp: 45847

Ion Ratio Lower Upper

50 100

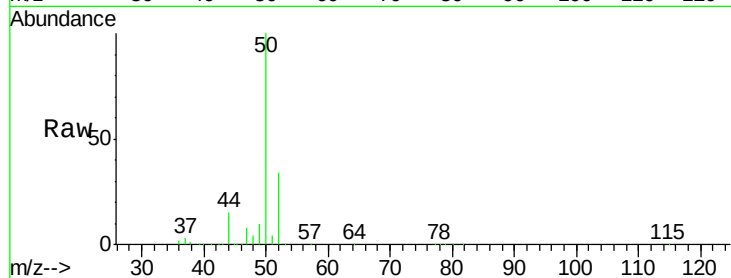
52 34.2 25.7 38.5

Manual Integrations

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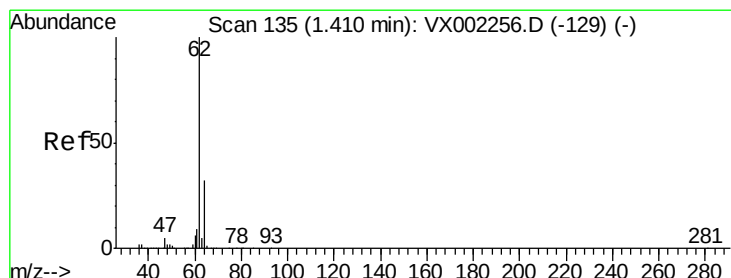
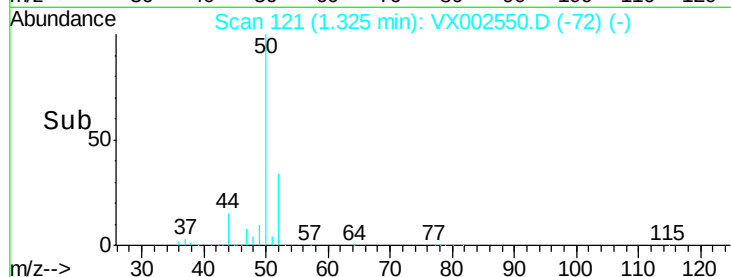
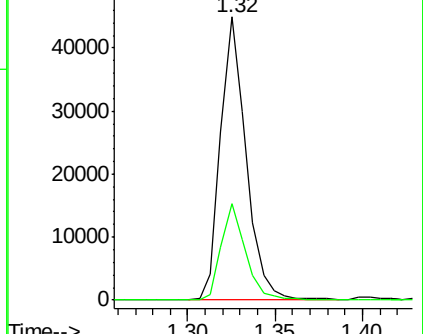
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 14.246 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002550.D

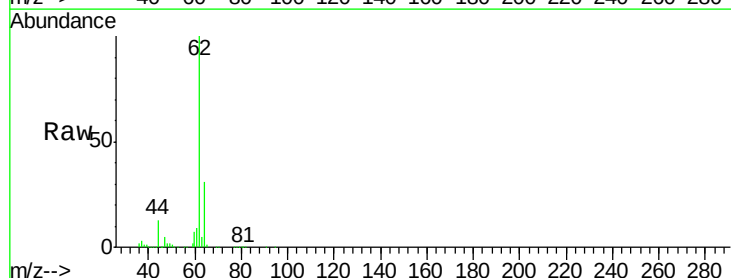
Acq: 14 Jun 2018 14:35

Tgt Ion: 62 Resp: 51326

Ion Ratio Lower Upper

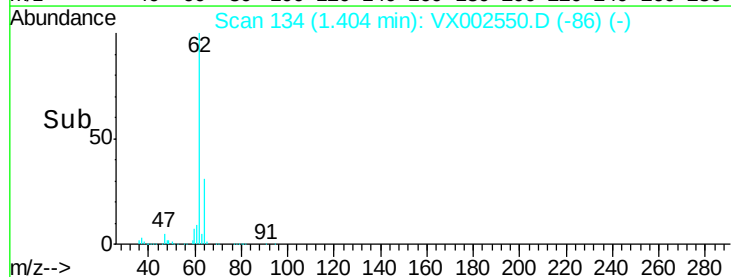
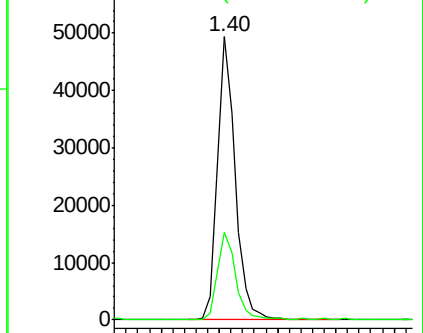
62 100

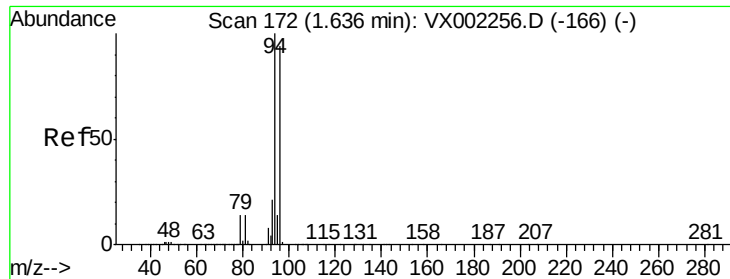
64 31.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 11.772 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 94 Resp: 29205

Ion Ratio Lower Upper

94 100

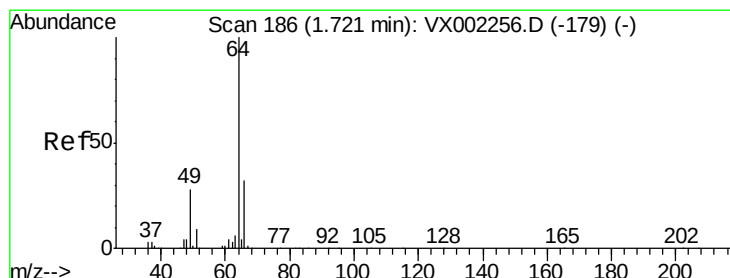
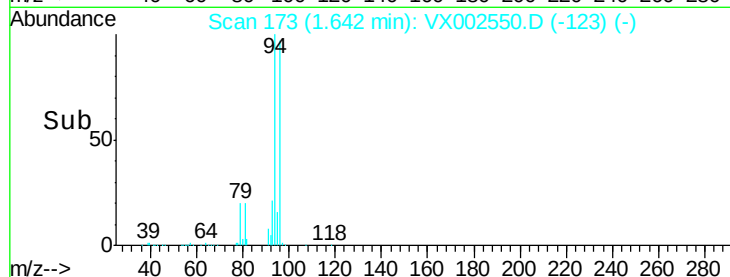
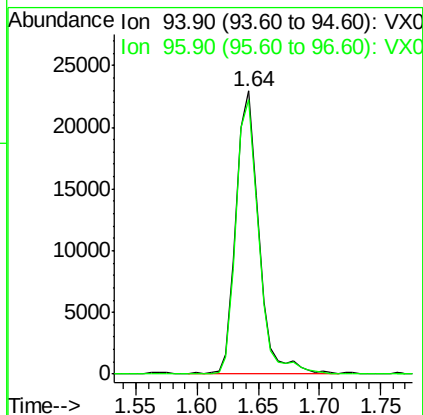
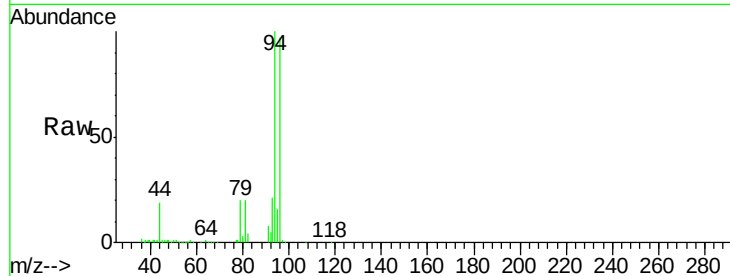
96 97.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 15.289 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002550.D

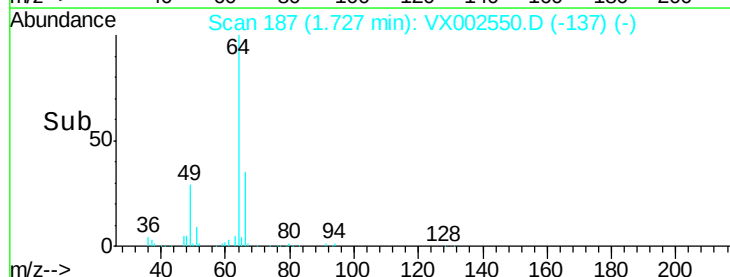
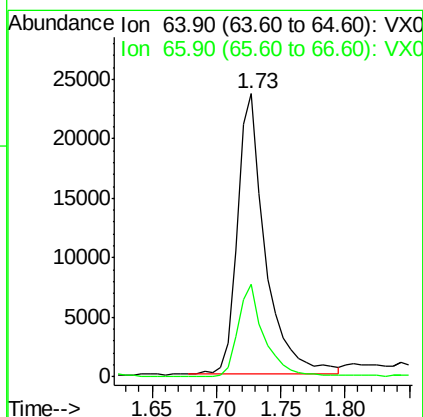
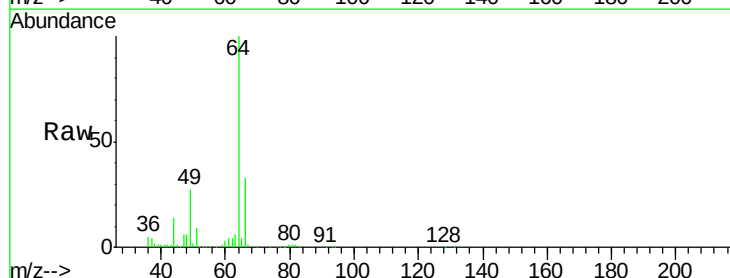
Acq: 14 Jun 2018 14:35

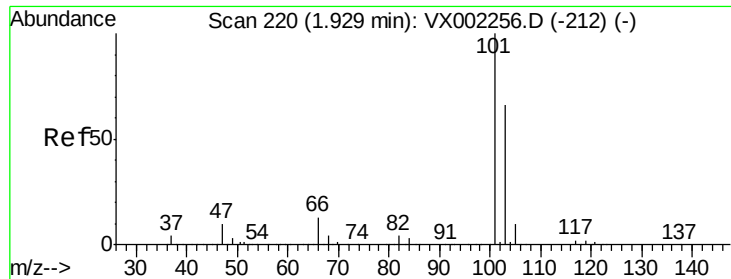
Tgt Ion: 64 Resp: 35632

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3





#7

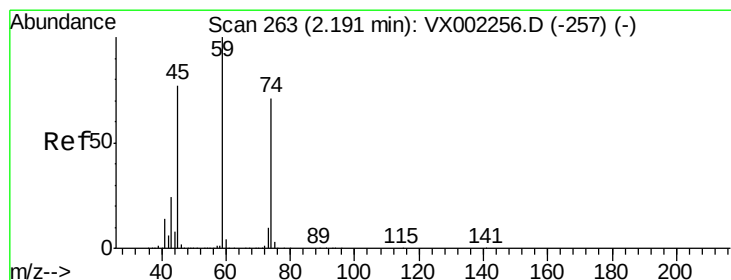
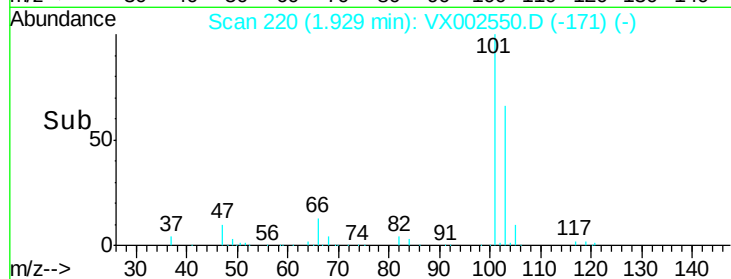
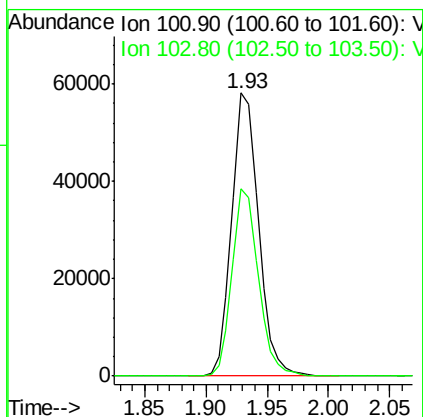
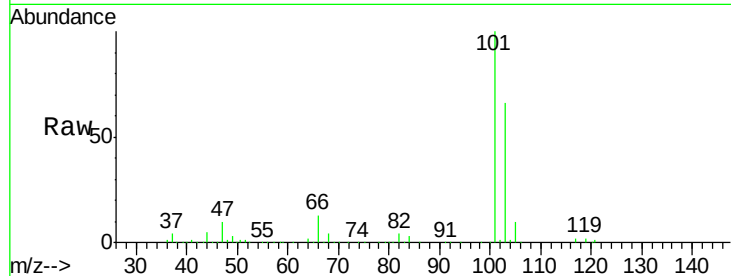
Trichlorofluoromethane
Concen: 16.137 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		88586		
103	66.1	52.8	79.2		

Manual Integrations
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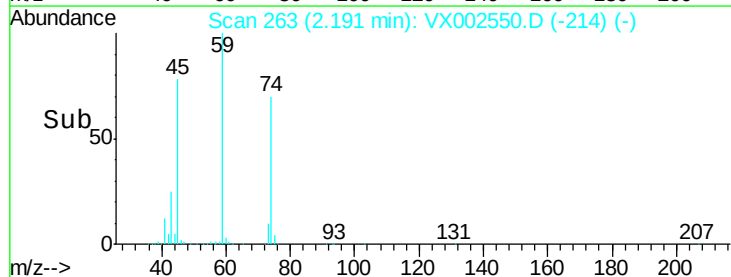
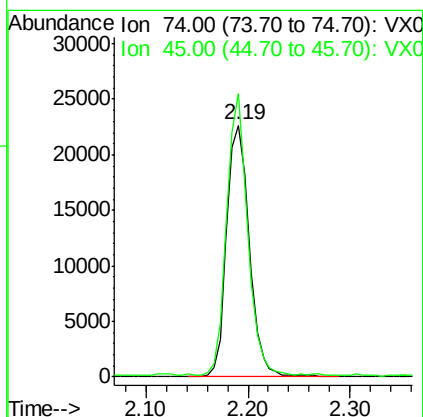
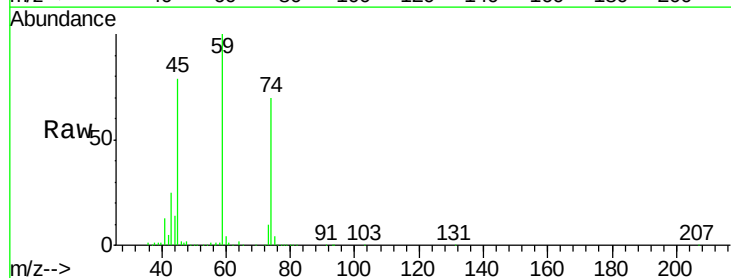
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6/15/2018 1:11:50 PM

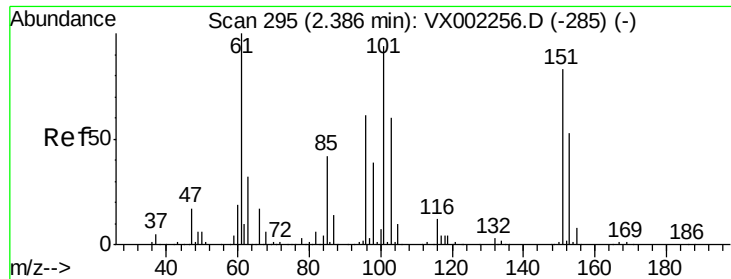


#8

Diethyl Ether
Concen: 16.338 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35018		
45	102.6	53.1	159.4		





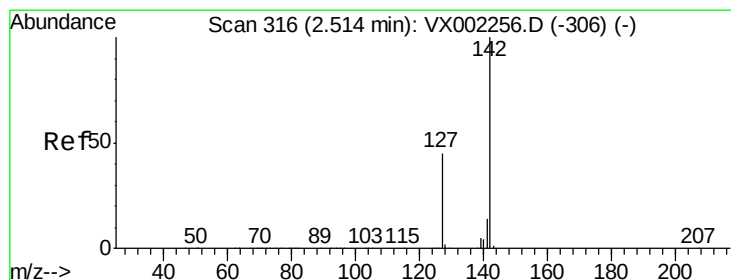
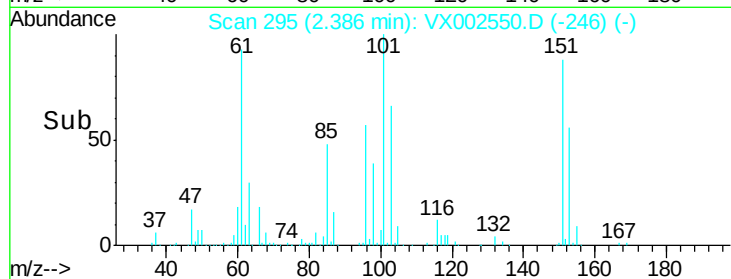
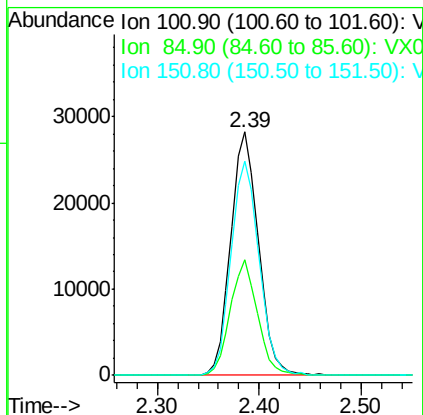
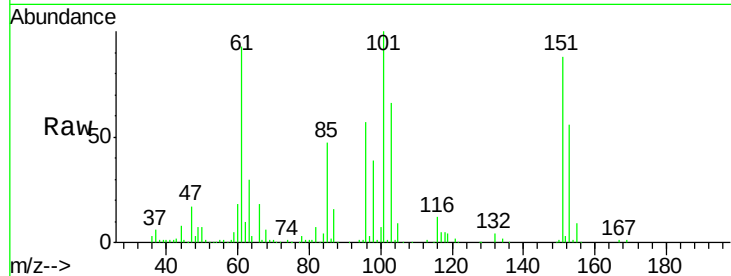
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.933 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.0	54.0
151	88.8	70.9	106.3

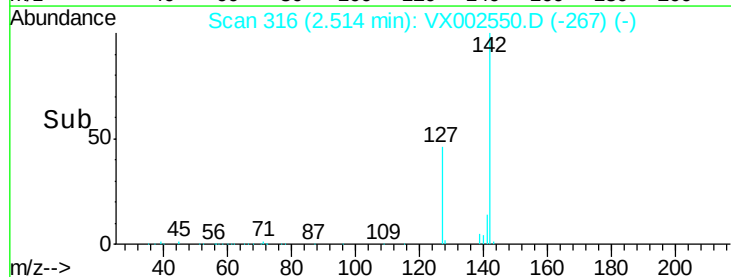
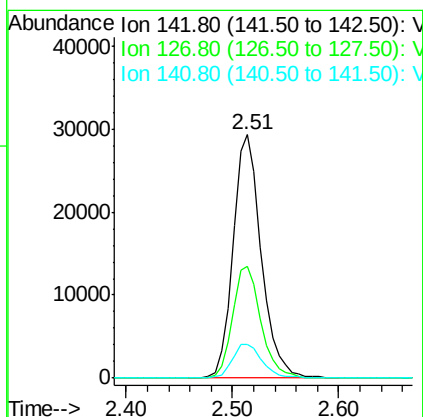
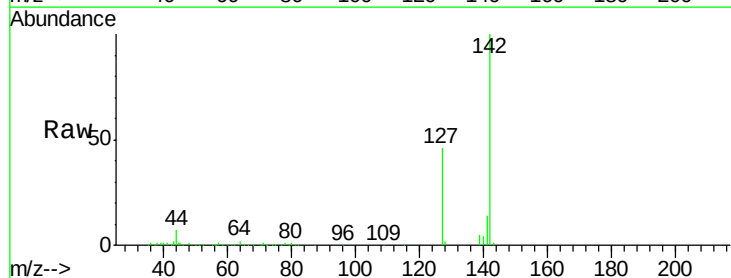
Manual Integrations
 APPROVED

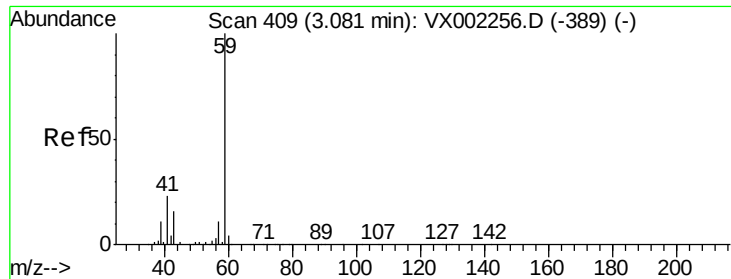
MMDadoda
 6/15/2018 1:11:50 PM



#10
 Methyl Iodide
 Concen: 13.052 ug/l
 RT: 2.51 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.6	36.6	55.0
141	14.7	11.3	16.9





#11

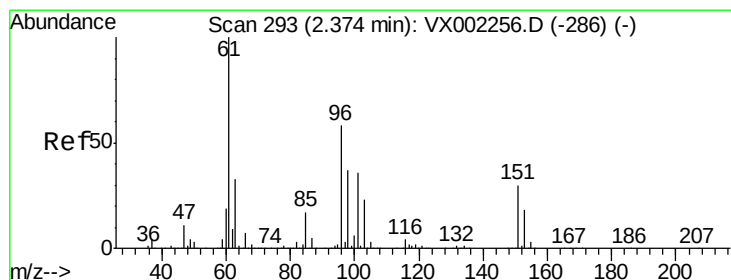
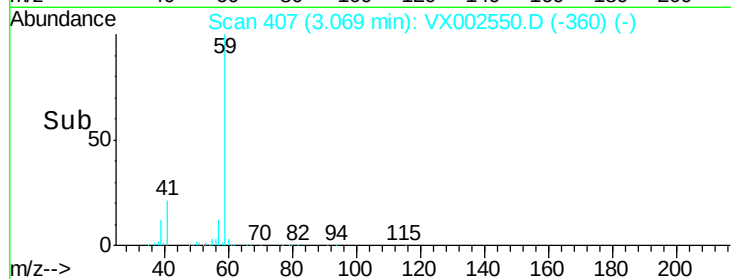
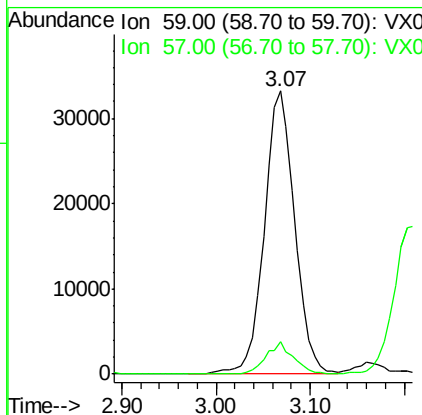
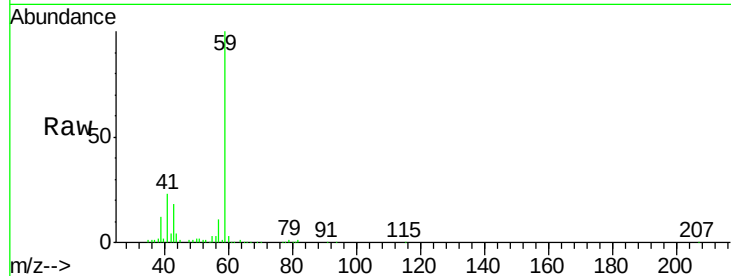
Tert butyl alcohol
Concen: 79.575 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	59	Resp	75009
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
APPROVED

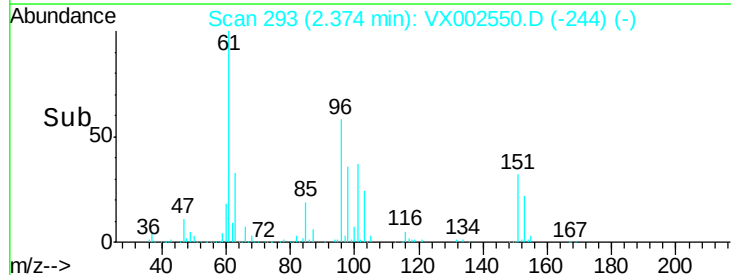
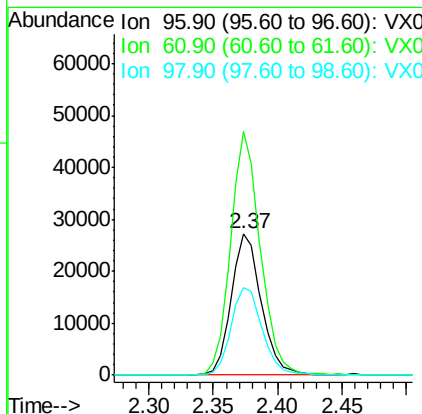
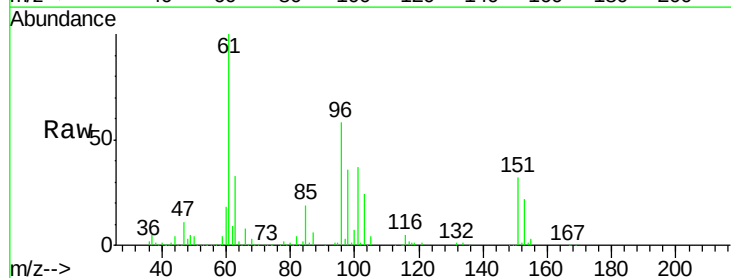
MMDadoda
6/15/2018 1:11:50 PM

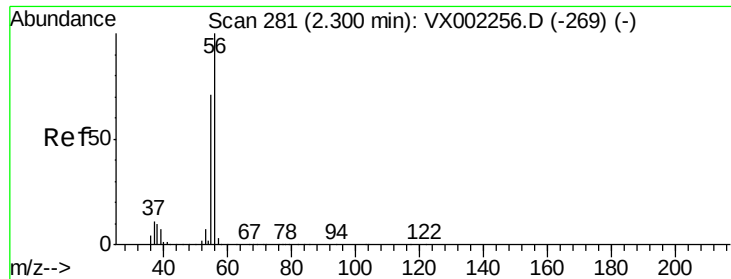


#12

1,1-Dichloroethene
Concen: 15.138 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	96	Resp	44319
Ion Ratio	100	Lower	Upper
61	171.9	137.9	206.9
98	62.2	51.6	77.4





#13

Acrolein

Concen: 22.744 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 56 Resp: 12344

Ion Ratio Lower Upper

56 100

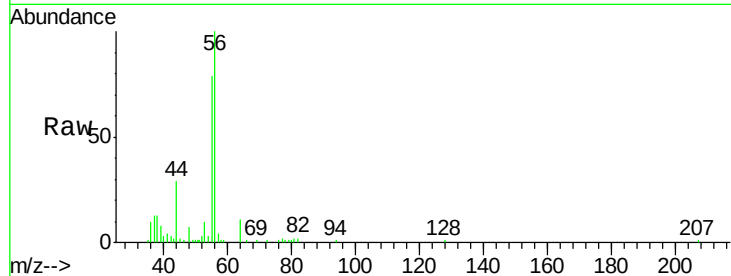
55 72.7 57.0 85.4

Manual Integrations

APPROVED

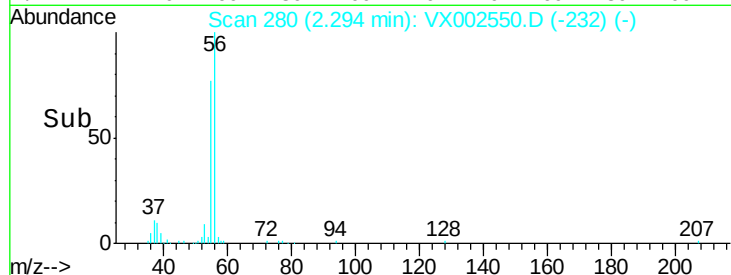
MMDadoda

6/15/2018 1:11:50 PM

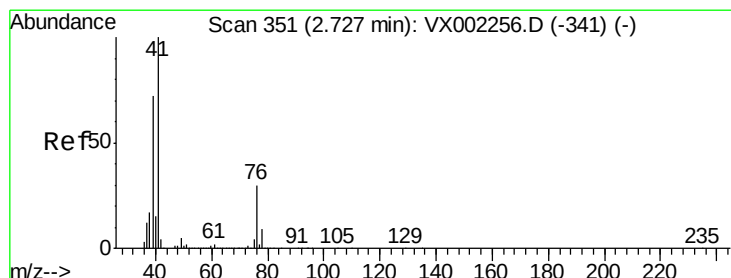


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 14.368 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

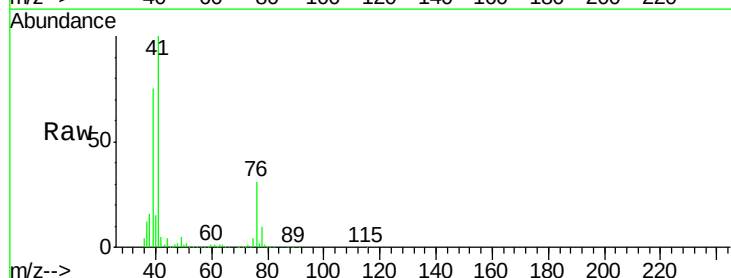
Tgt Ion: 41 Resp: 91286

Ion Ratio Lower Upper

41 100

39 72.1 56.8 85.2

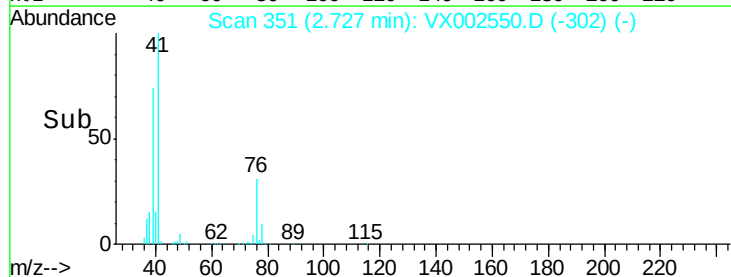
76 29.8 23.8 35.8



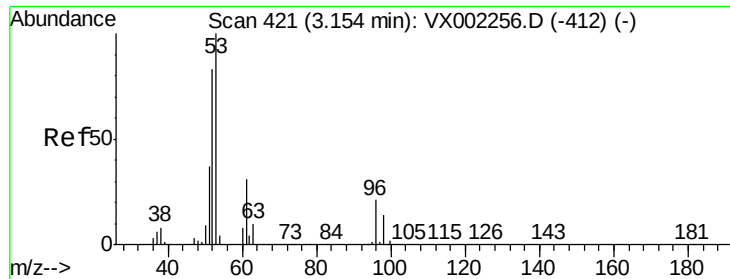
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->



#15

Acrylonitrile

Concen: 85.757 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

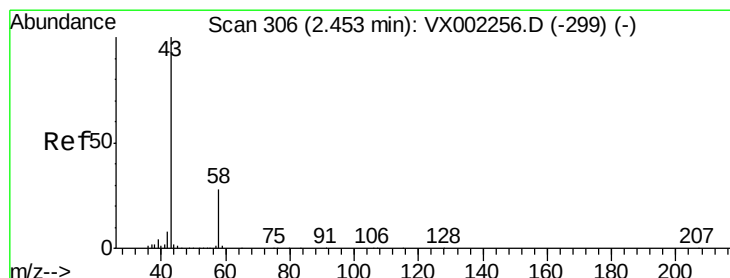
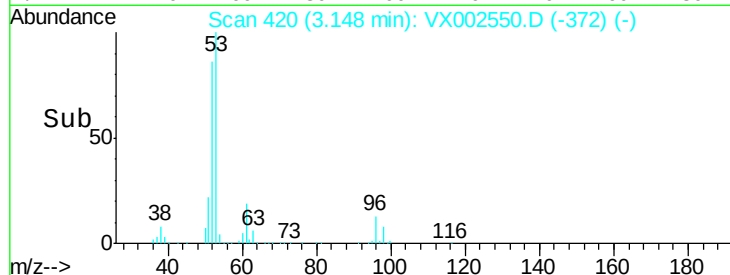
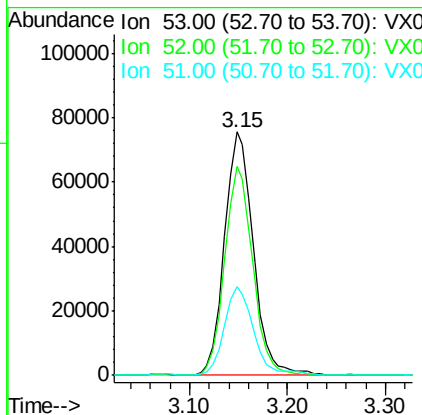
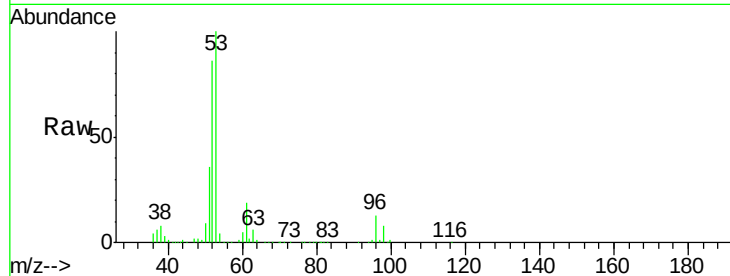
ClientSampleId :

VX0614WBSD01

Tot Ion:	53	Resp:	154183
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.7	100.1
51	36.7	29.9	44.9

Manual Integrations
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MMDadoda
6/15/2018 1:11:50 PM



#16

Acetone

Concen: 79.147 ug/l

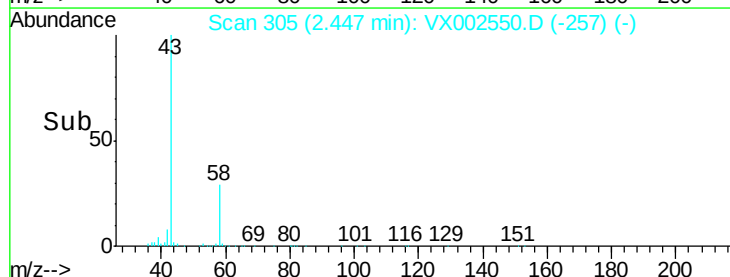
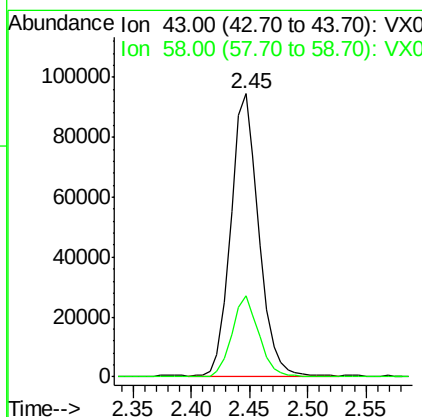
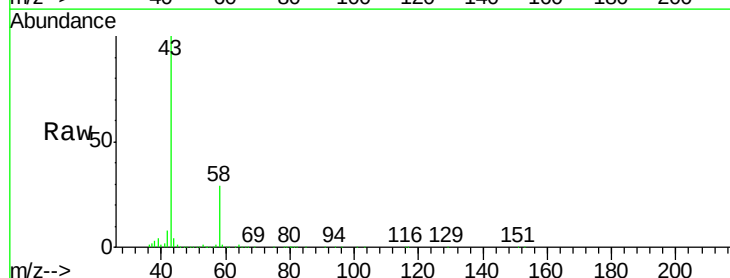
RT: 2.45 min Scan# 305

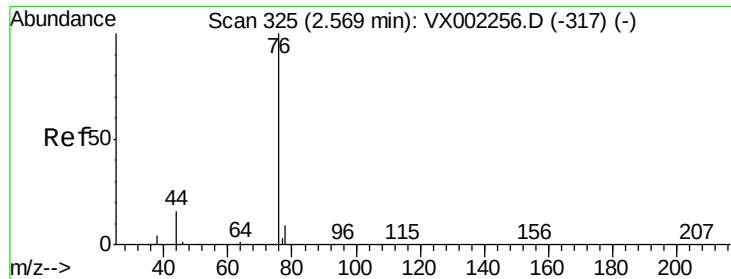
Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	43	Resp:	156020
Ion Ratio		Lower	Upper
43	100		
58	28.8	22.1	33.1





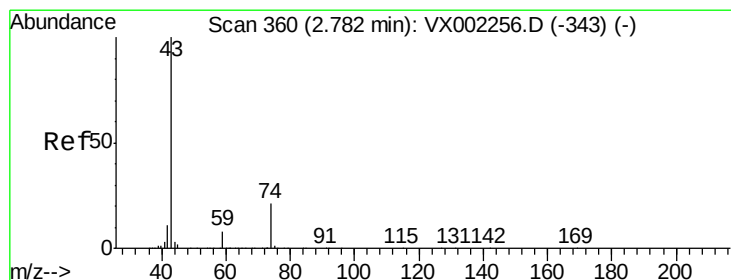
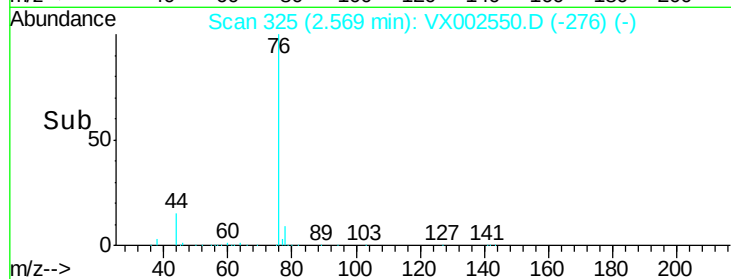
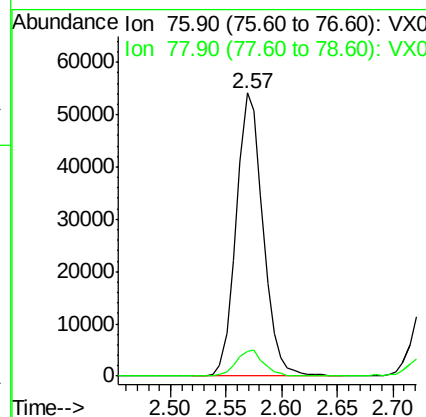
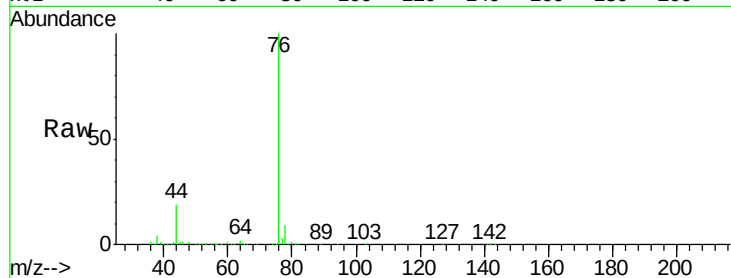
#17
Carbon Disulfide
Concen: 11.724 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

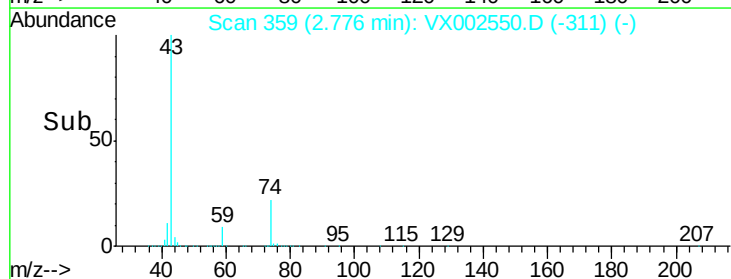
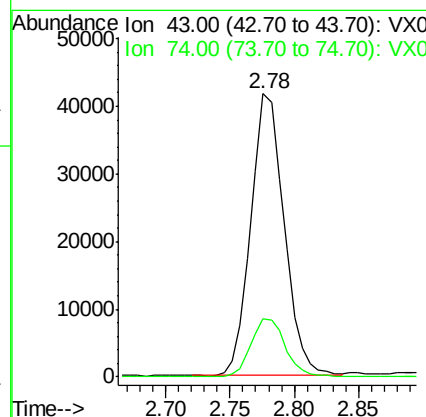
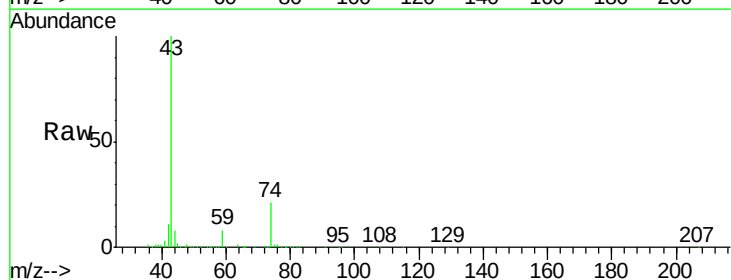
Manual Integrations
APPROVED

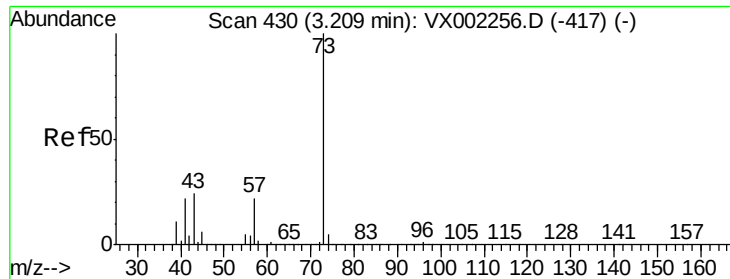
MMDadoda
6/15/2018 1:11:50 PM



#18
Methyl Acetate
Concen: 17.208 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1





#19

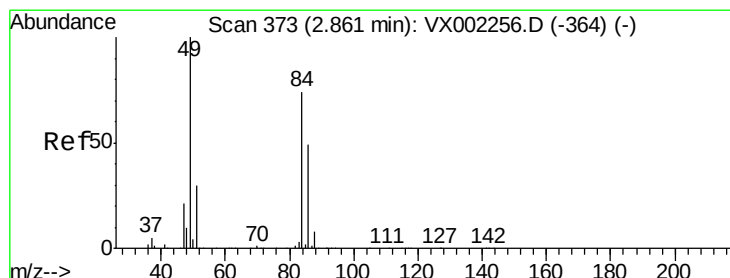
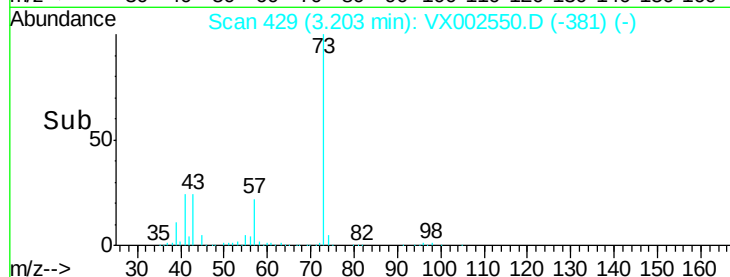
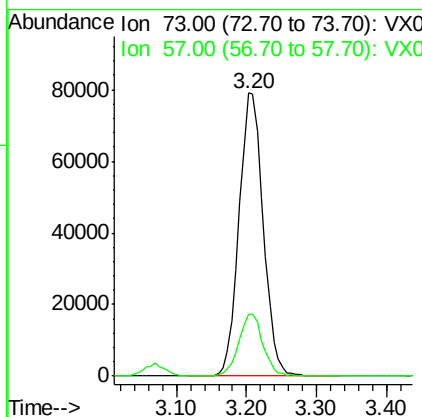
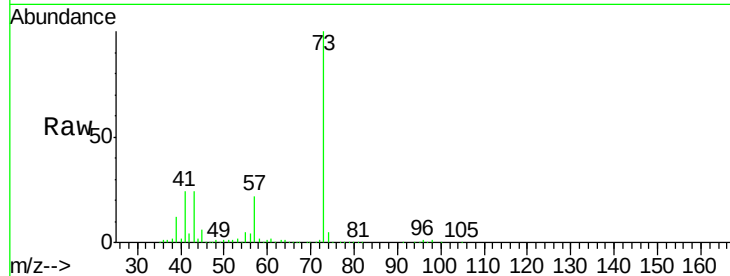
Methyl tert-butyl Ether
 Concen: 17.041 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion: 73 Resp: 189802
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.7 26.5

Manual Integrations
 APPROVED

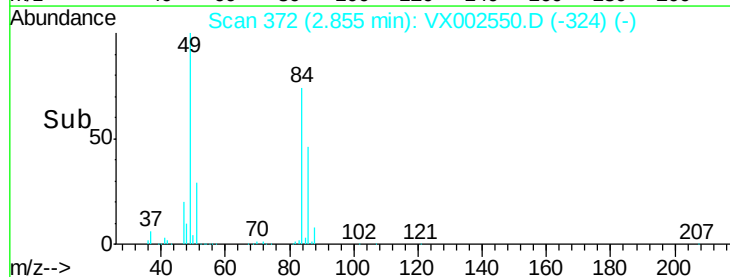
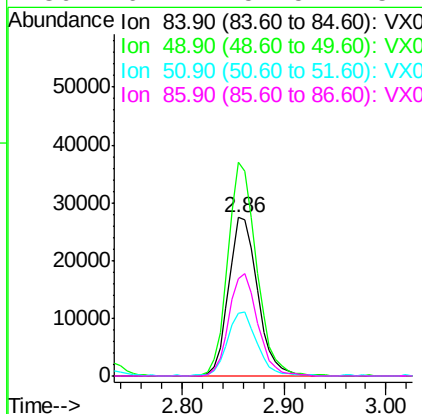
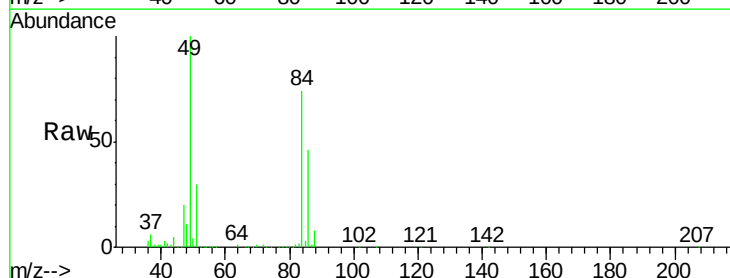
MMDadoda
 6/15/2018 1:11:50 PM

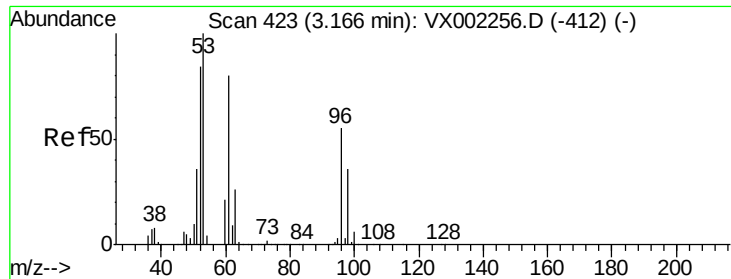


#20

Methylene Chloride
 Concen: 15.452 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion: 84 Resp: 53984
 Ion Ratio Lower Upper
 84 100
 49 134.7 107.8 161.6
 51 39.5 32.8 49.2
 86 61.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 15.042 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

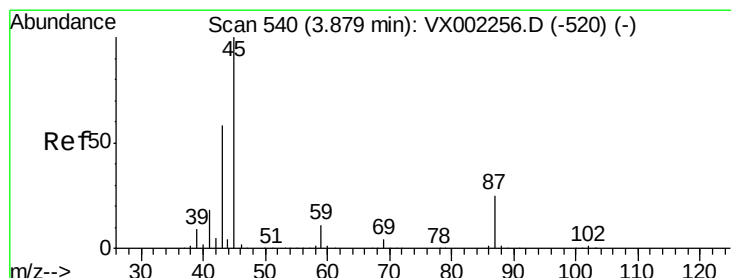
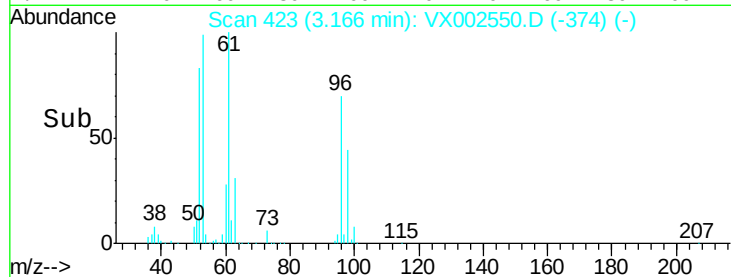
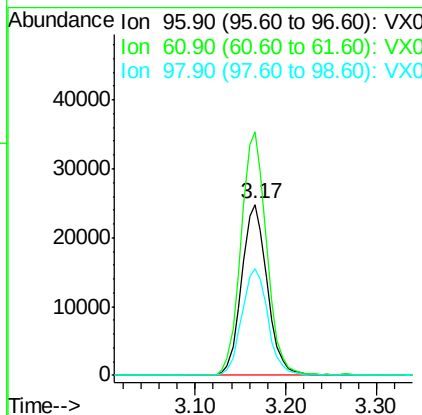
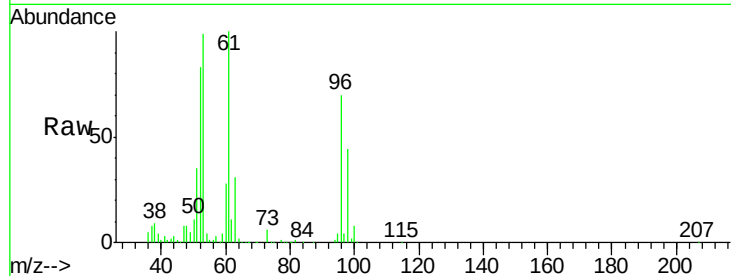
ClientSampleId :

VX0614WBSD01

Tot Ion:	96	Resp:	48563
Ion	Ratio	Lower	Upper
96	100		
61	142.3	117.0	175.4
98	62.7	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:11:50 PM



#22

Diisopropyl ether

Concen: 16.824 ug/l

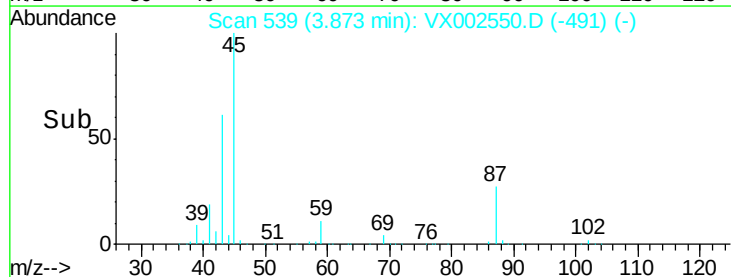
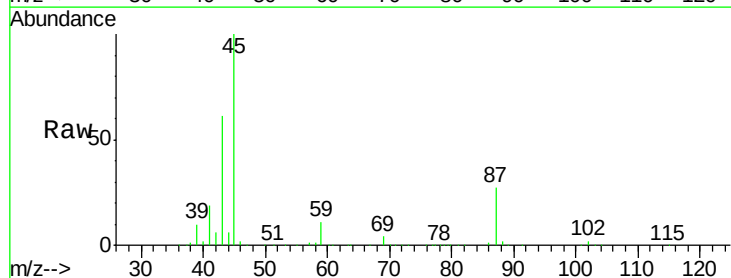
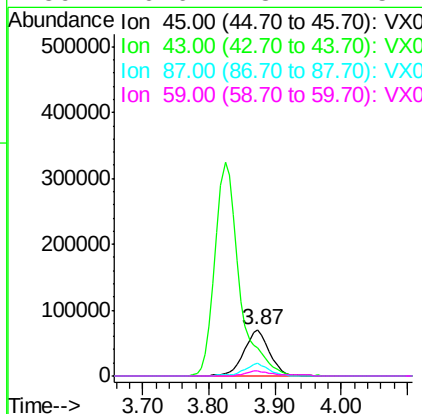
RT: 3.87 min Scan# 539

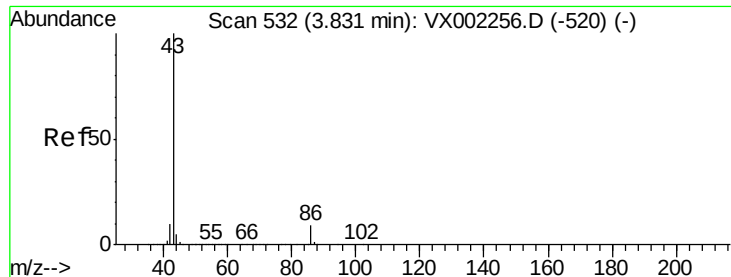
Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	45	Resp:	189047
Ion	Ratio	Lower	Upper
45	100		
43	60.6	46.8	70.2
87	26.6	20.2	30.4
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 80.991 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampled :

VX0614WBSD01

Tot Ion: 43 Resp: 834168

Ion Ratio Lower Upper

43 100

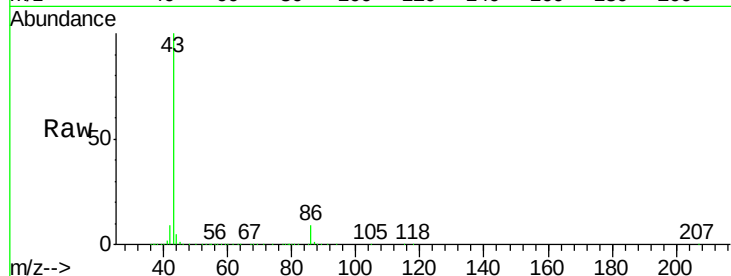
86 9.4 7.4 11.0

Manual Integrations

APPROVED

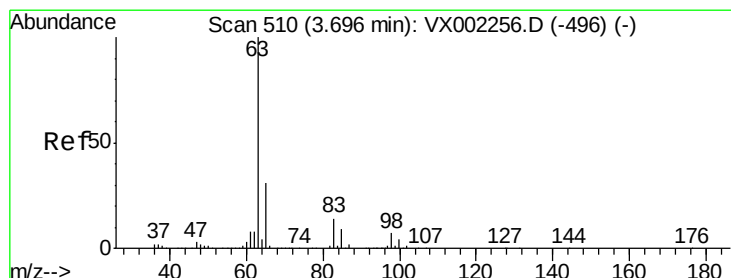
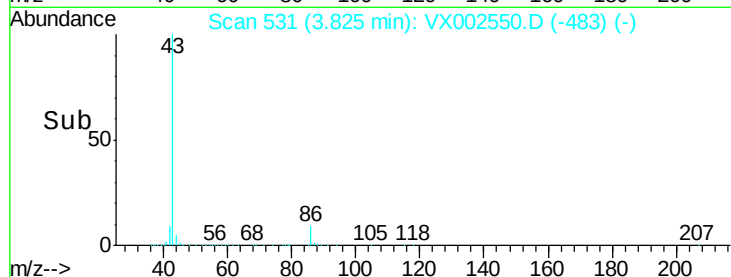
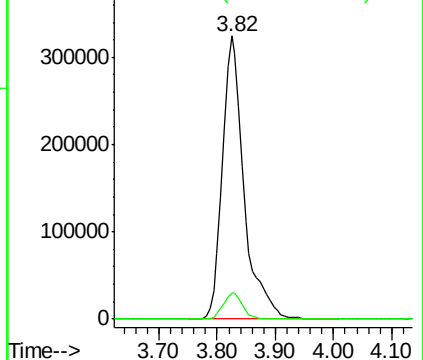
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 15.956 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

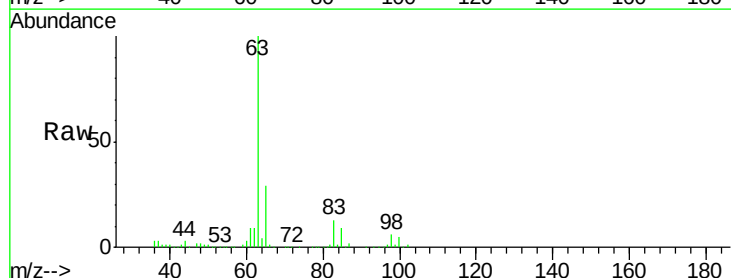
Tgt Ion: 63 Resp: 100195

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

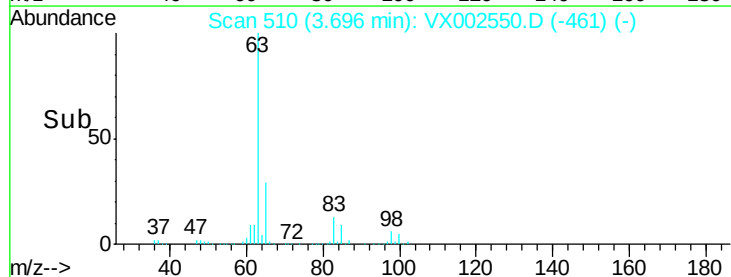
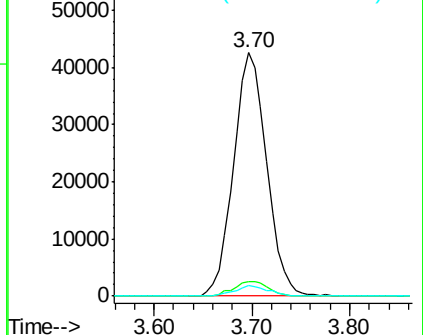
100 4.6 2.0 6.0

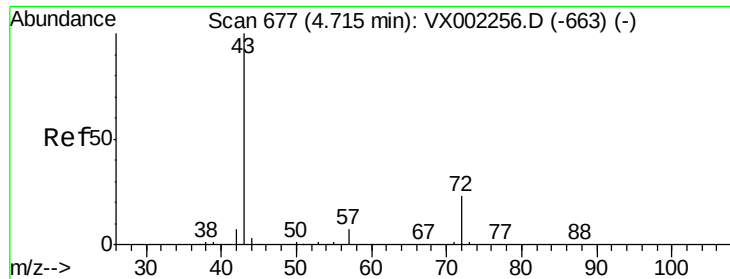


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 79.097 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 43 Resp: 213279

Ion Ratio Lower Upper

43 100

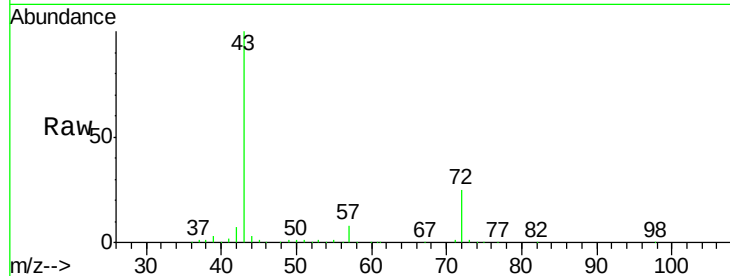
72 24.5 18.5 27.7

Manual Integrations

APPROVED

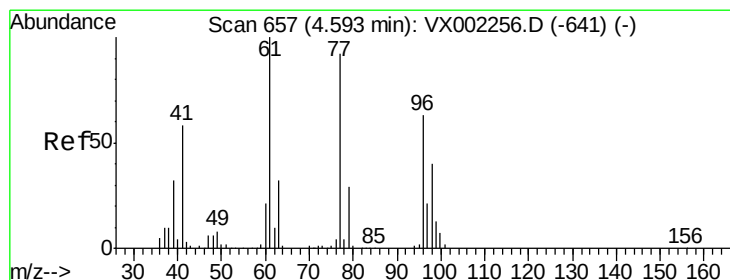
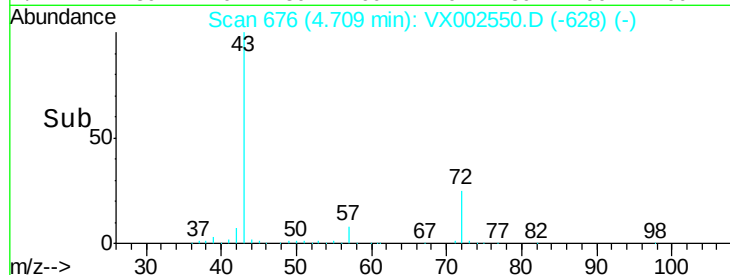
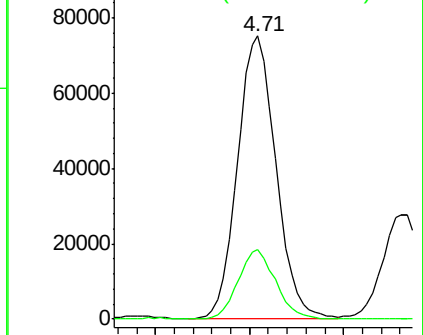
MMDadoda

6/15/2018 1:11:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.310 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002550.D

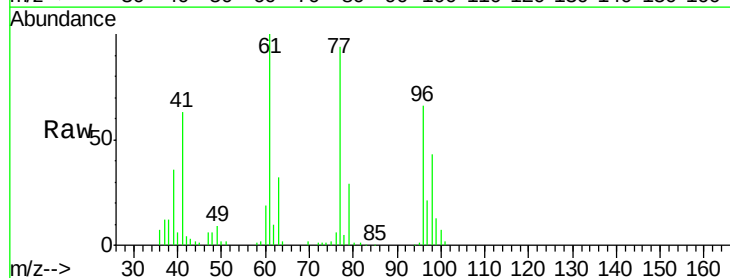
Acq: 14 Jun 2018 14:35

Tgt Ion: 77 Resp: 70243

Ion Ratio Lower Upper

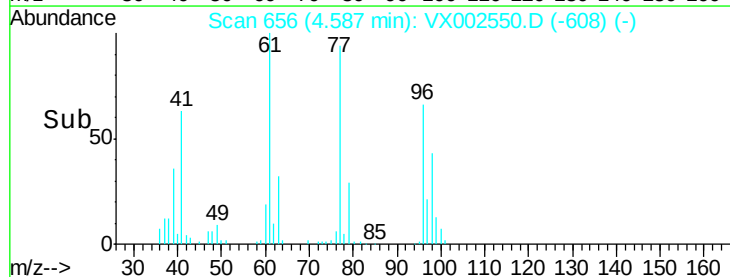
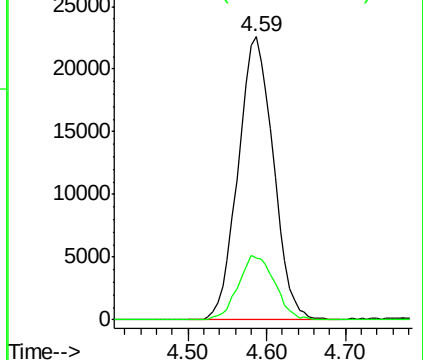
77 100

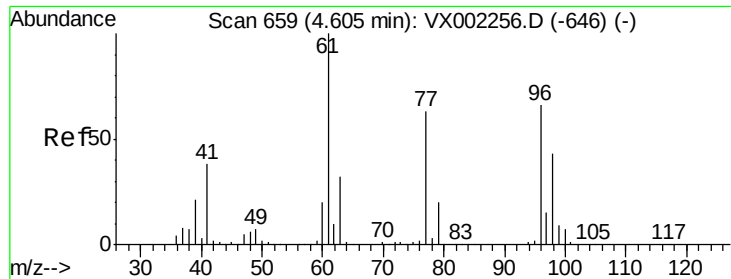
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

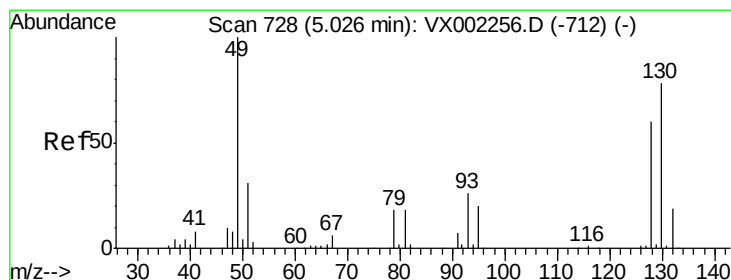
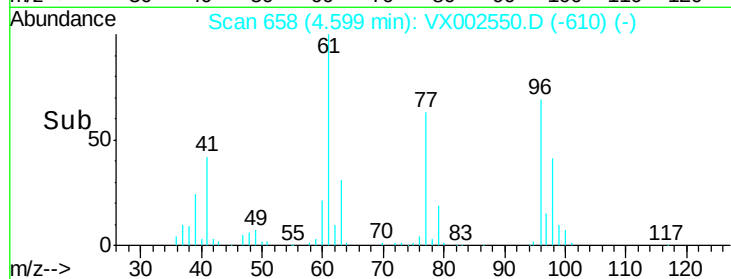
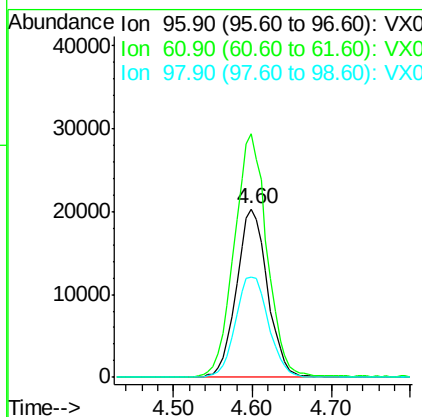
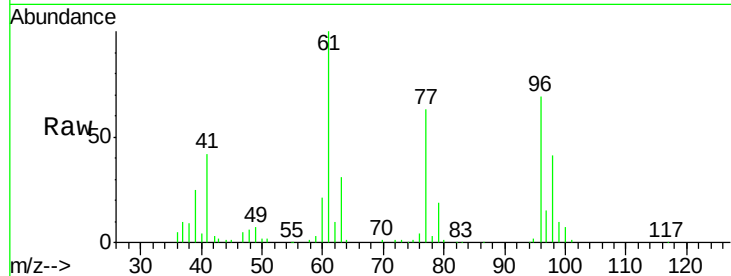
cis-1,2-Dichloroethene
Concen: 15.853 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	330.2
98	63.7	0.0	130.2

Manual Integrations
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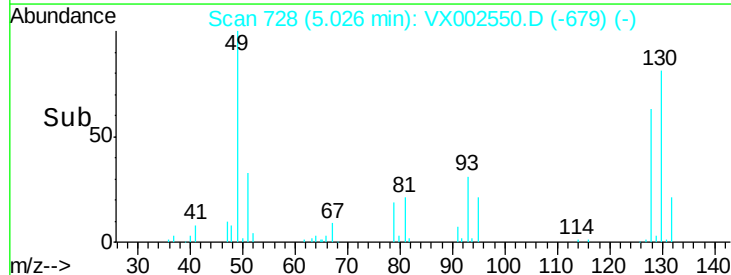
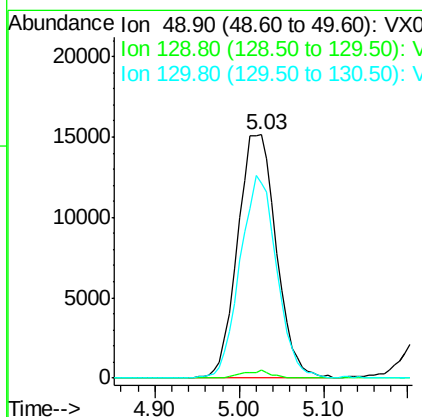
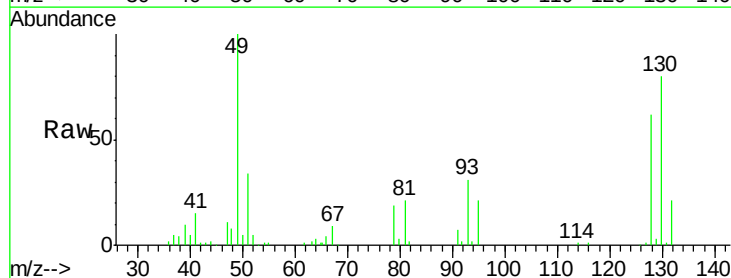
MMDadoda
6/15/2018 1:11:50 PM

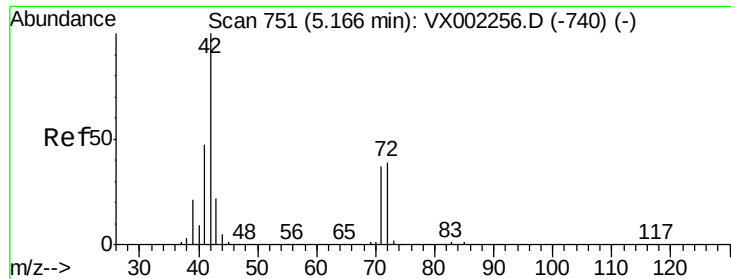


#28

Bromochloromethane
Concen: 15.166 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	78.7	61.2	91.8





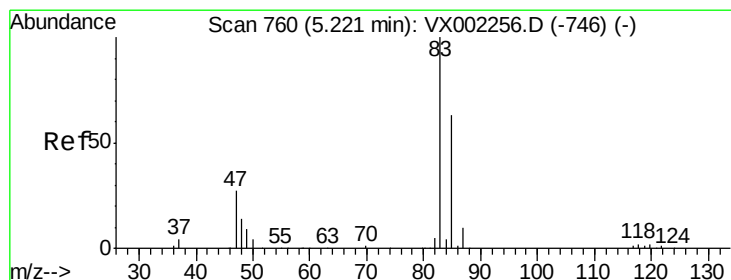
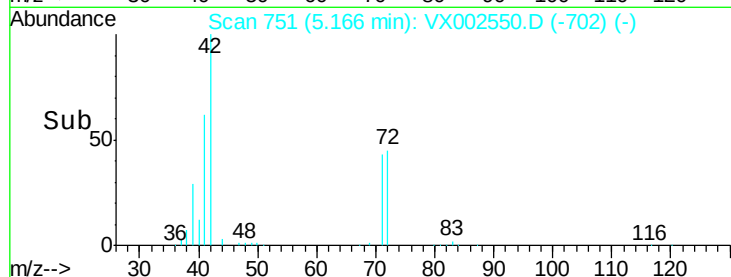
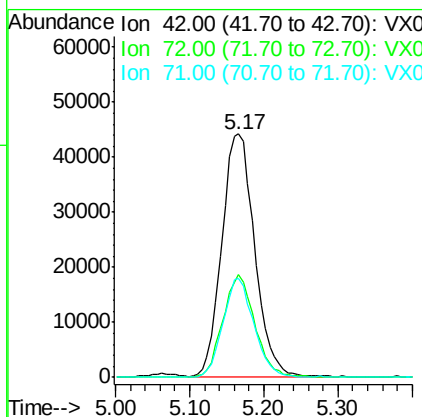
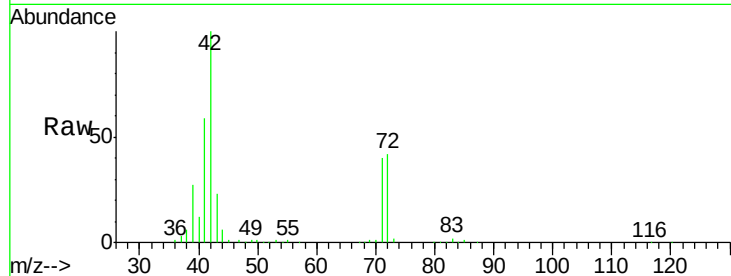
#29
Tetrahydrofuran
Concen: 78.180 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	38.5	30.1	45.1

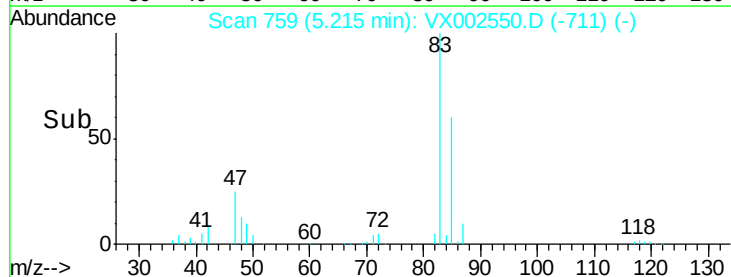
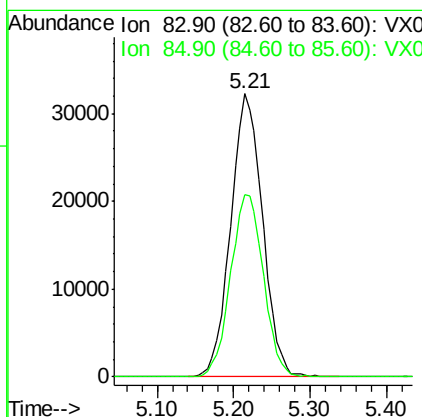
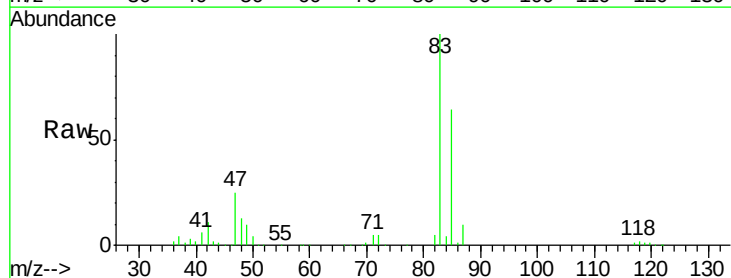
Manual Integrations
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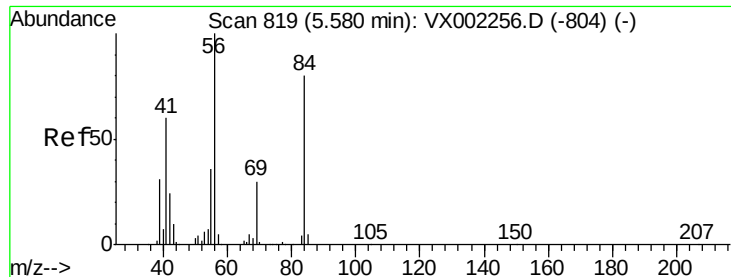
MMDadoda
6/15/2018 1:11:50 PM



#30
Chloroform
Concen: 15.372 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 15.625 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

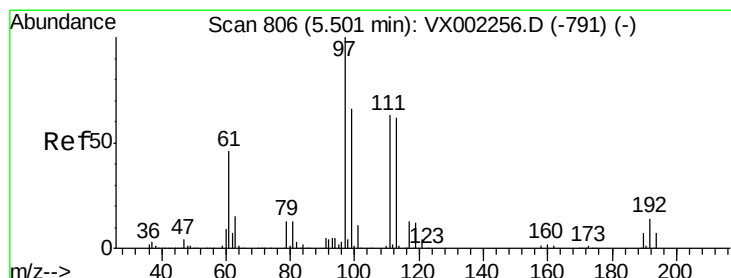
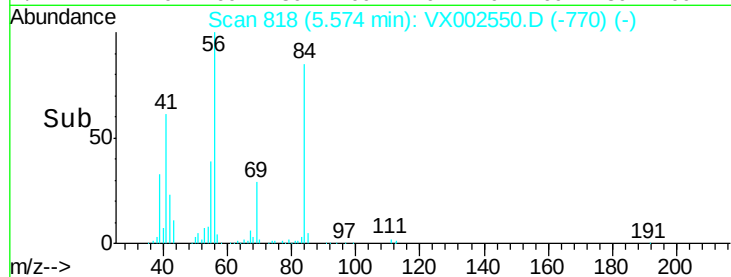
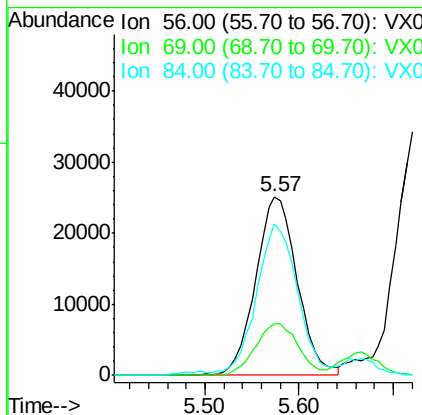
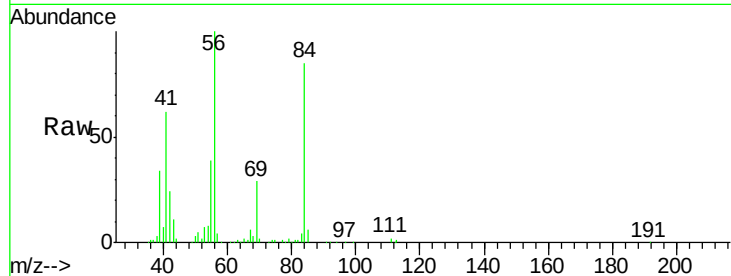
ClientSampleId :

VX0614WBSD01

Tot Ion:	56	Resp:	77585
Ion Ratio	Lower	Upper	
56	100		
69	28.6	23.7	35.5
84	83.1	64.1	96.1

Manual Integrations
APPROVED

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6/15/2018 1:11:50 PM



#32

1,1,1-Trichloroethane

Concen: 15.233 ug/l

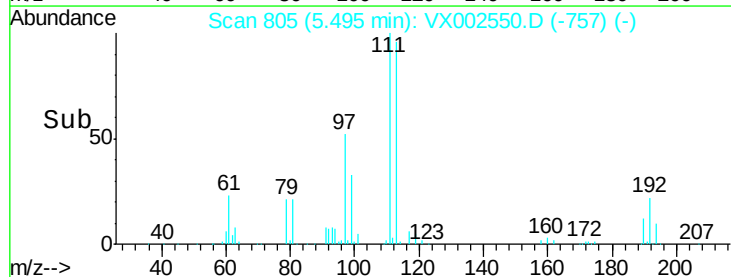
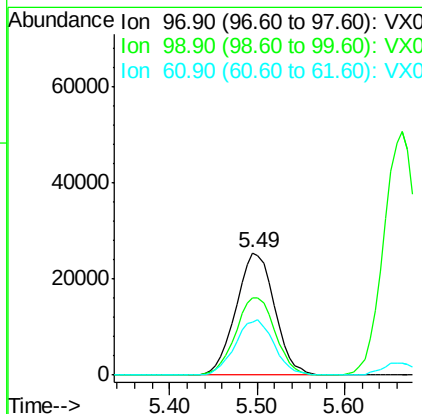
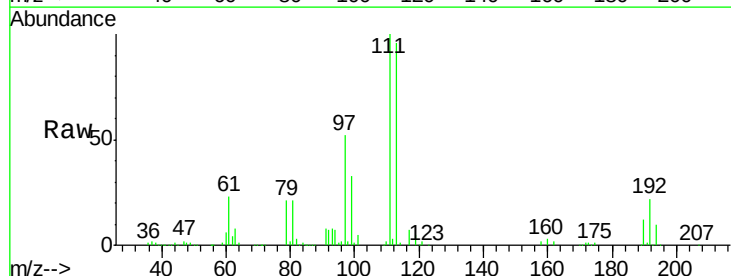
RT: 5.49 min Scan# 805

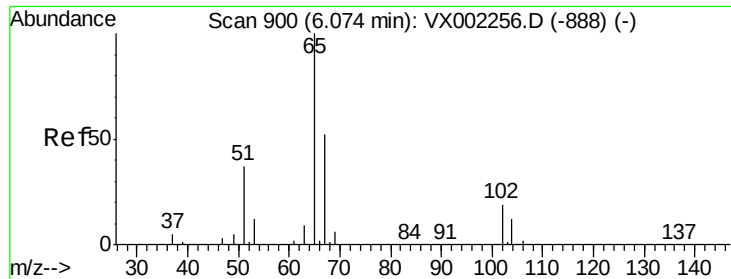
Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	97	Resp:	78280
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.6	77.4
61	45.4	36.4	54.6





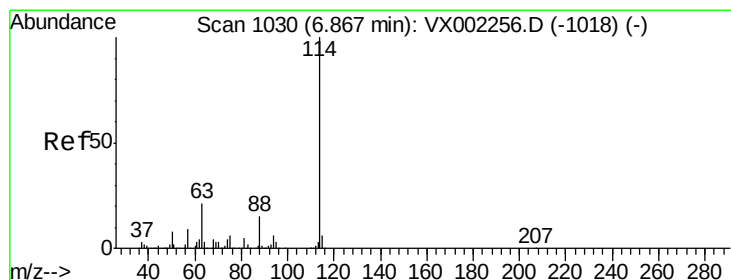
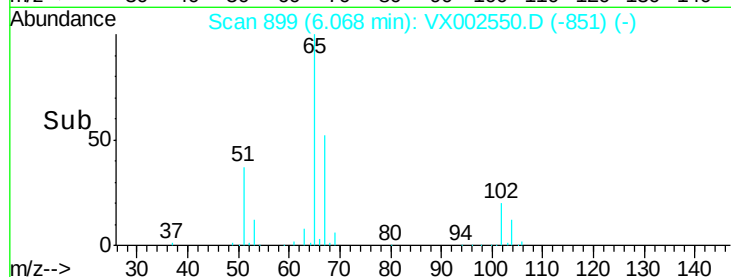
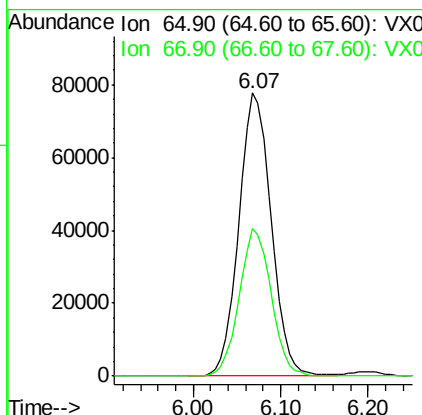
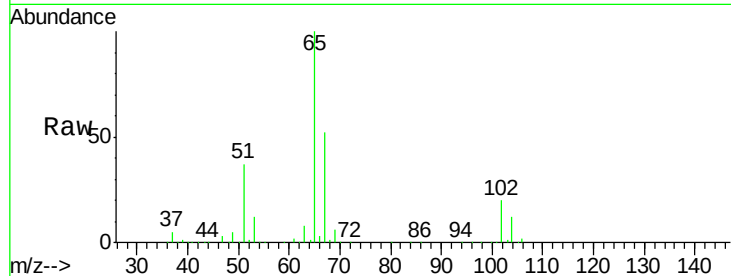
#33
 1,2-Dichloroethane-d4
 Concen: 50.977 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200204		
67	51.5	0.0	102.6	

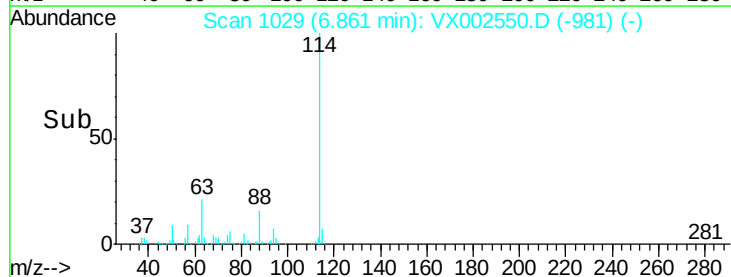
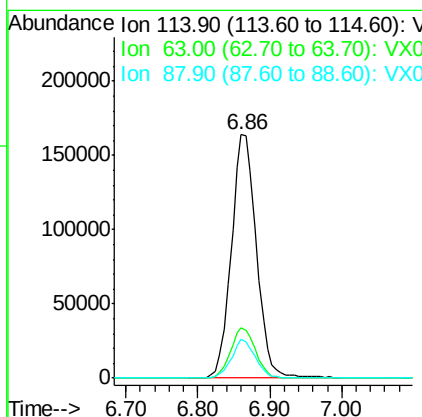
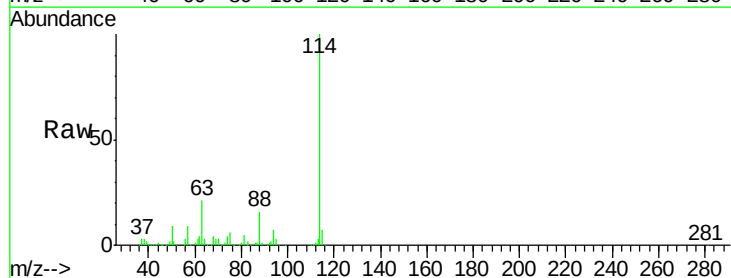
Manual Integrations
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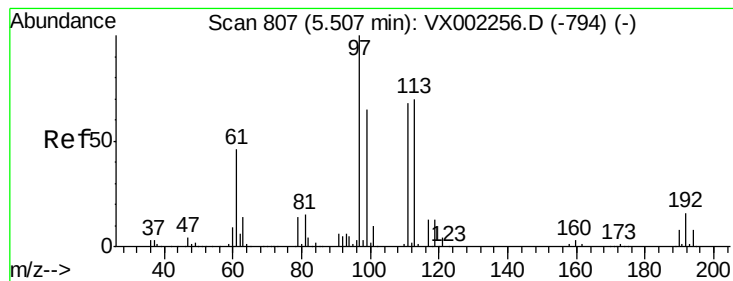
MMDadoda
 6/15/2018 1:11:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	396335		
63	20.9	0.0	41.4	
88	16.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.665 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

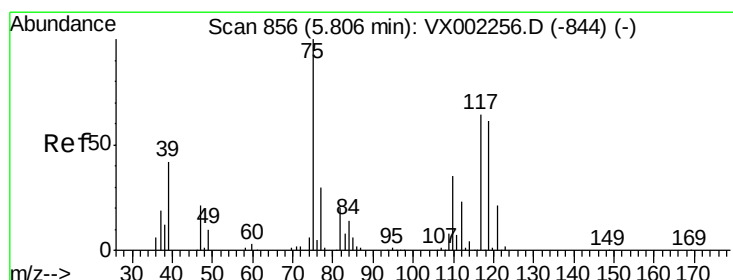
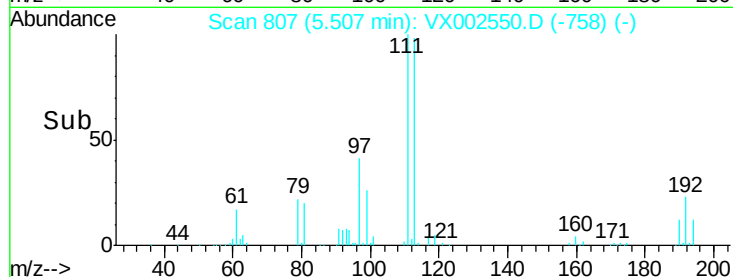
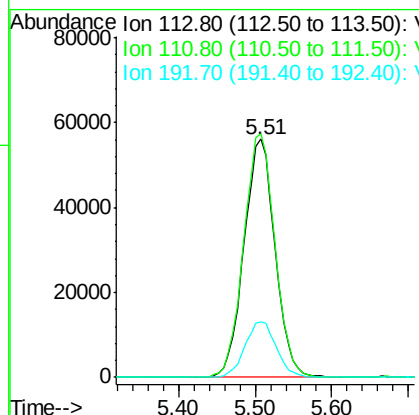
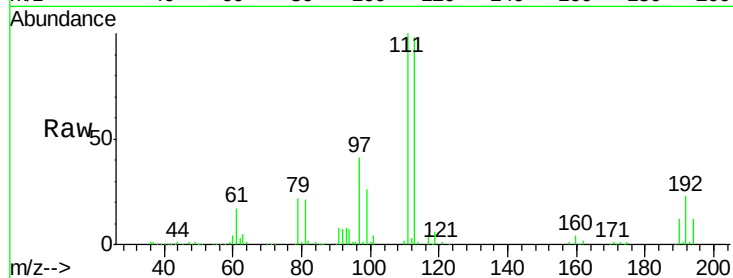
ClientSampled :

VX0614WBSD01

Tot Ion:	113	Resp:	157913
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.4	122.0
192	23.4	19.1	28.7

Manual Integrations
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6/15/2018 1:11:50 PM



#36

1,1-Dichloropropene

Concen: 15.353 ug/l

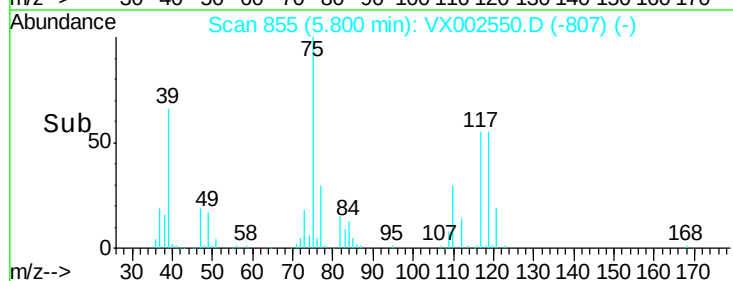
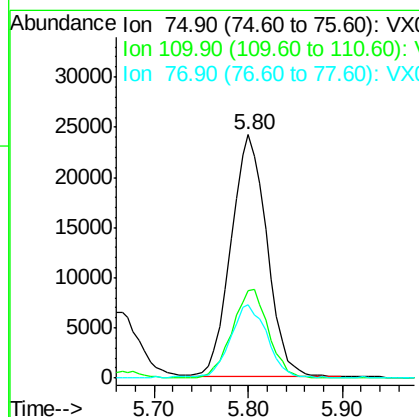
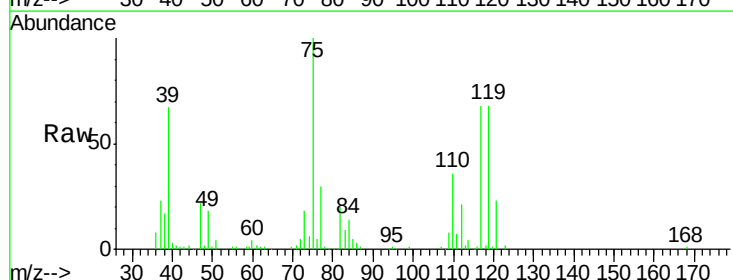
RT: 5.80 min Scan# 855

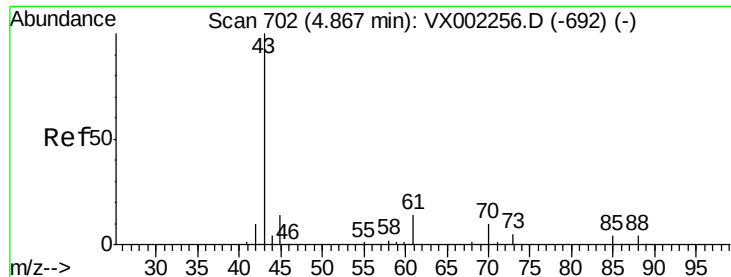
Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	75	Resp:	63972
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.1	54.4
77	30.1	24.3	36.5





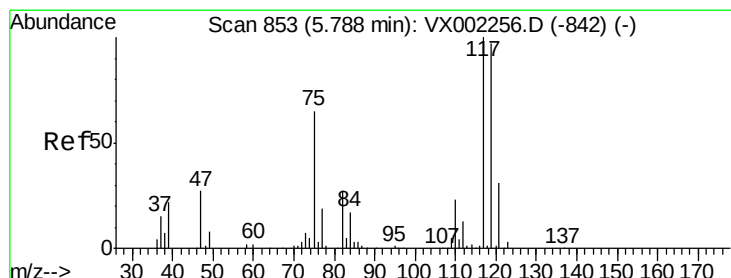
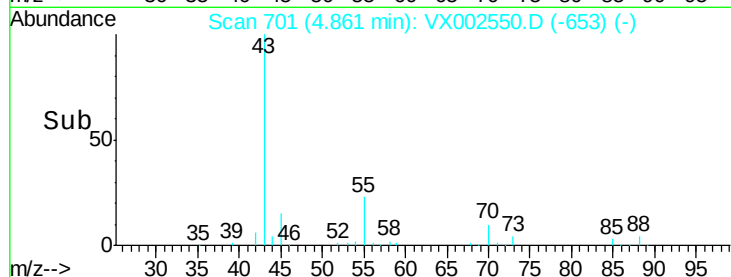
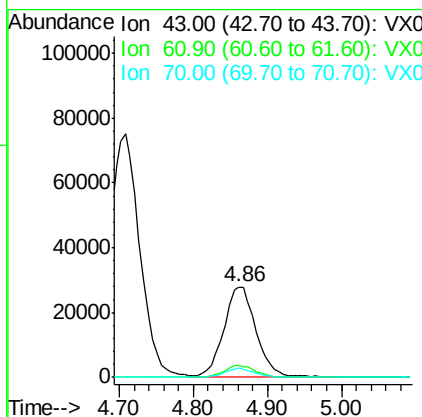
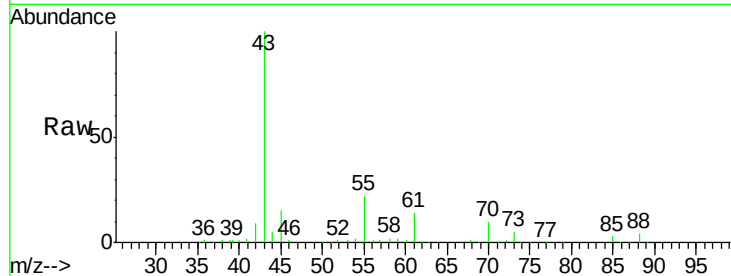
#37
Ethyl Acetate
Concen: 16.751 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.7	7.6	11.4

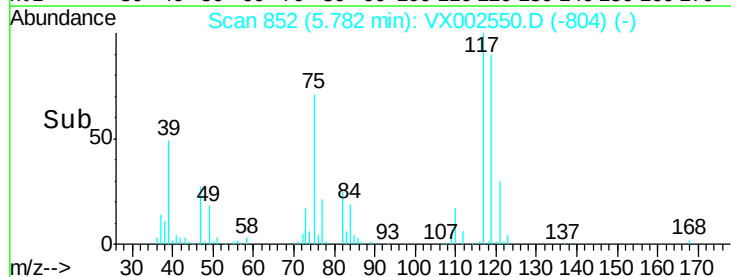
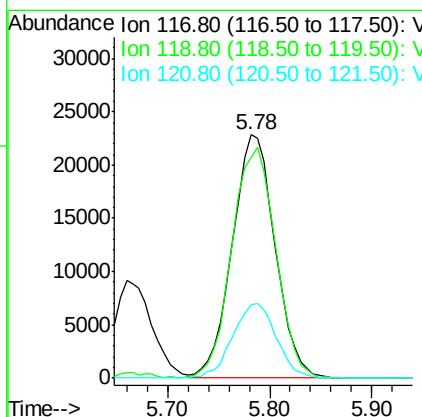
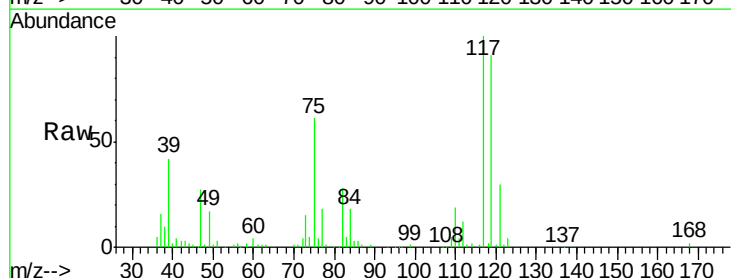
Manual Integrations
APPROVED

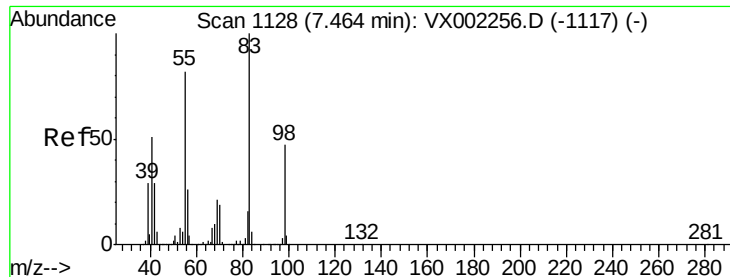
MMDadoda
6/15/2018 1:11:50 PM



#38
Carbon Tetrachloride
Concen: 15.307 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	77.4	116.0
121	30.1	24.4	36.6





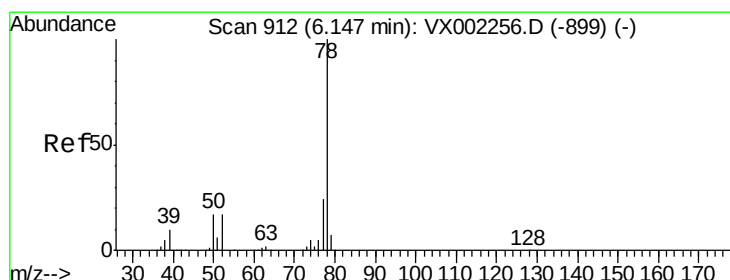
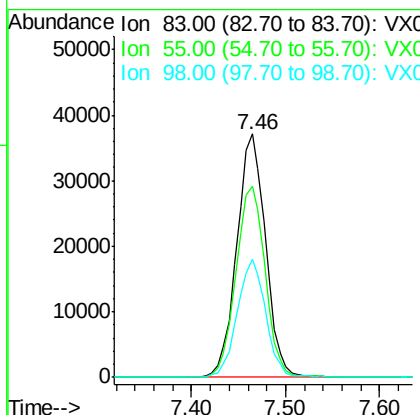
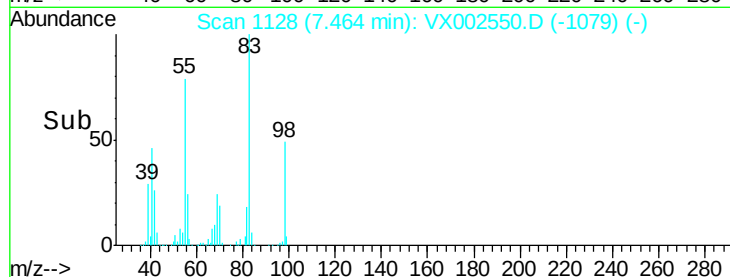
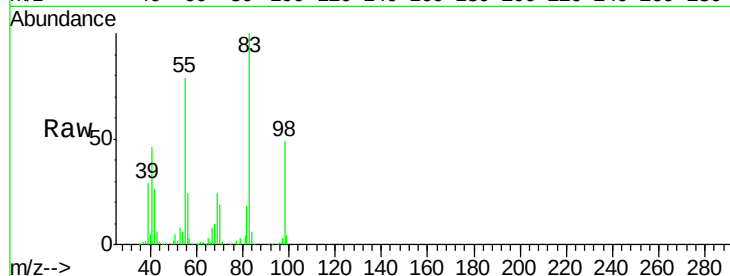
#39
Methylvlcyclohexane
Concen: 15.586 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.4	98.0
98	48.6	37.4	56.0

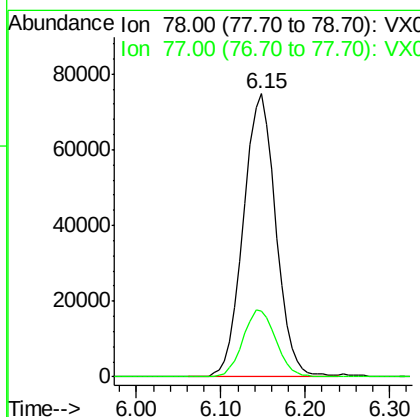
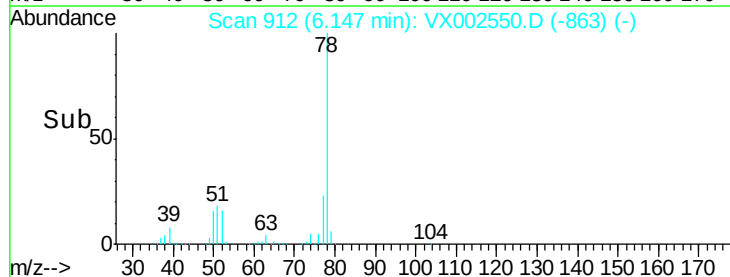
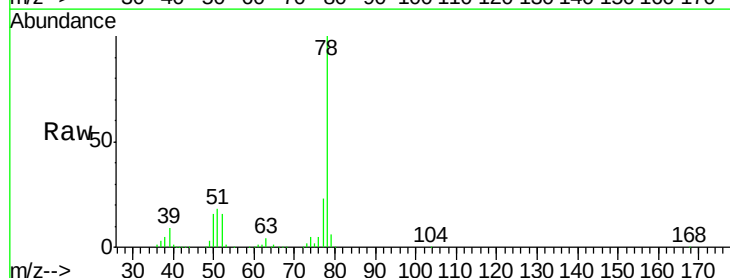
Manual Integrations
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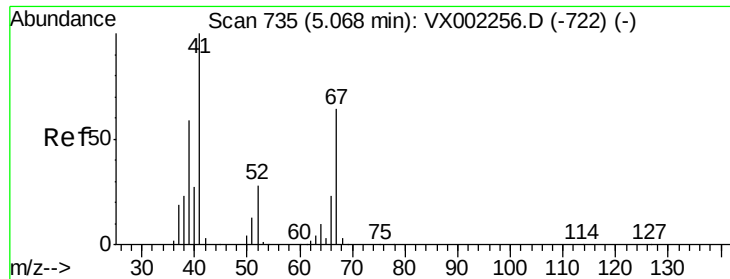
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#40
Benzene
Concen: 15.257 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





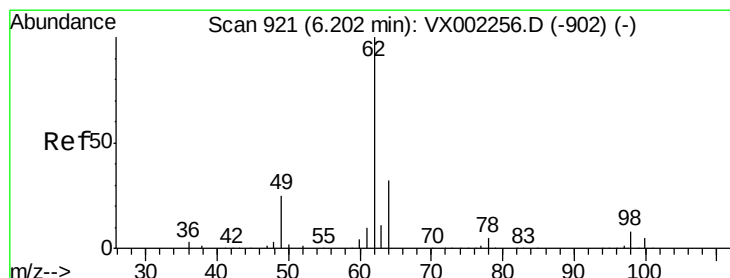
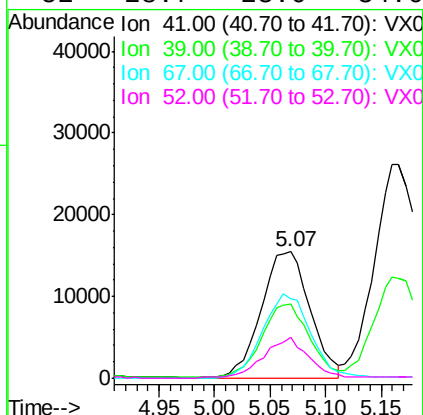
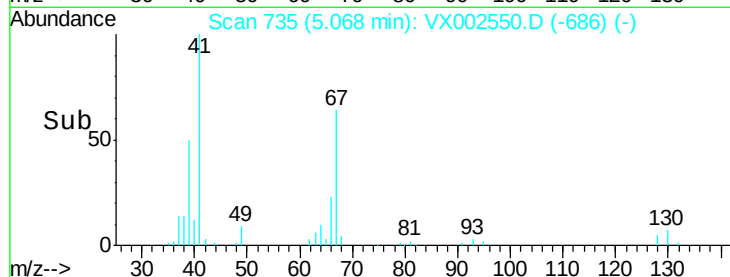
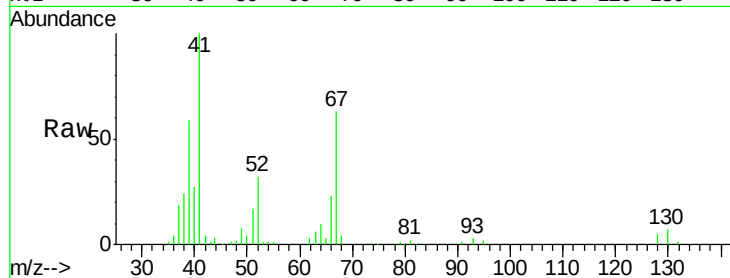
#41
Methacrylonitrile
Concen: 16.520 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	45.8	68.6	
67	66.2	51.3	76.9	
52	28.7	23.0	34.6	

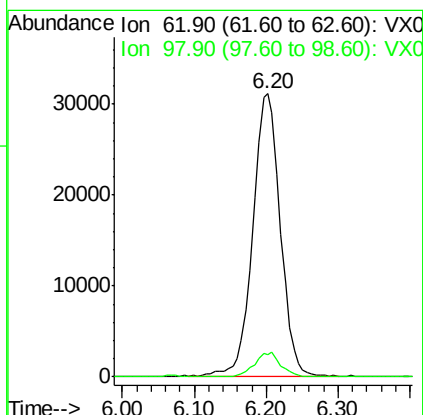
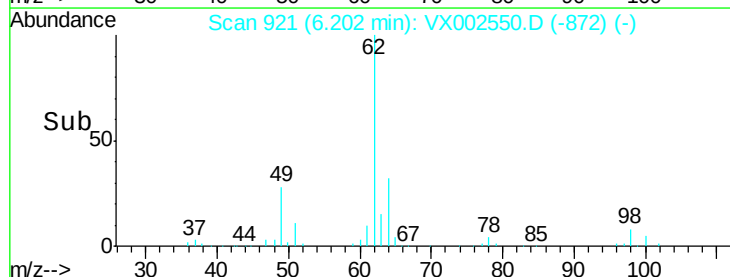
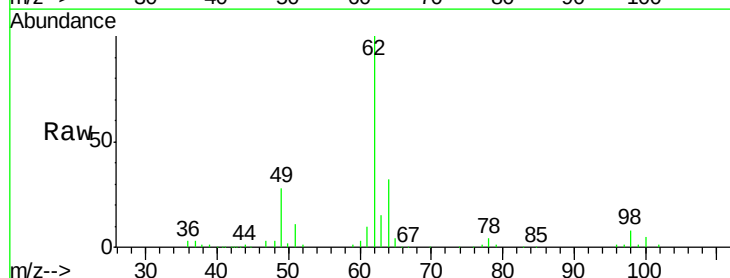
Manual Integrations
APPROVED

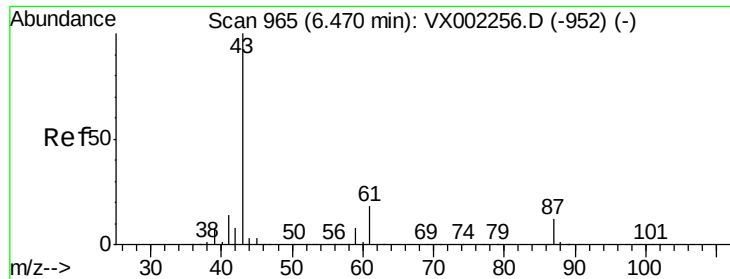
MMDadoda
6/15/2018 1:11:50 PM



#42
1,2-Dichloroethane
Concen: 16.212 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

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





#43

Isopropyl Acetate

Concen: 15.904 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

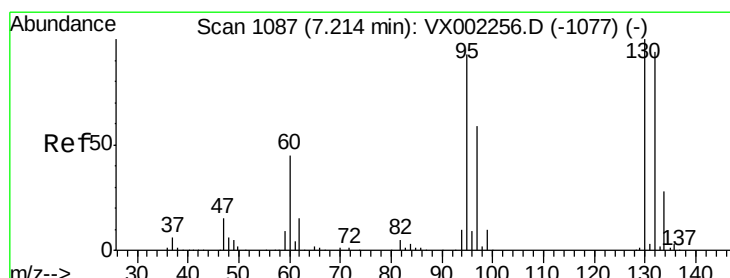
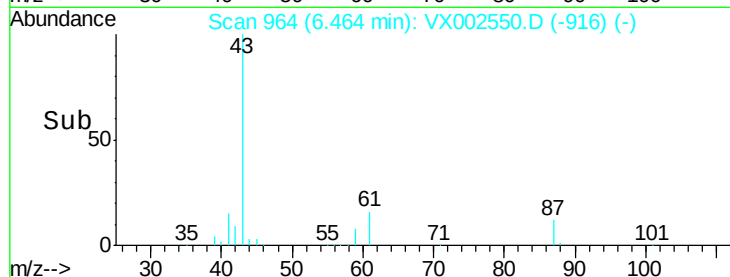
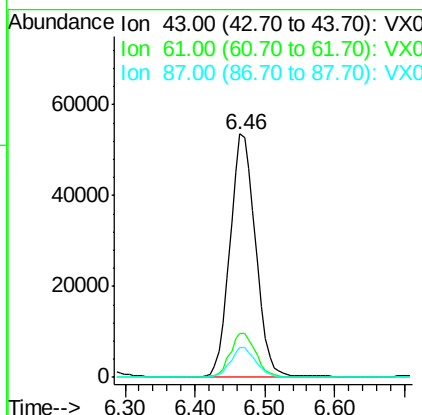
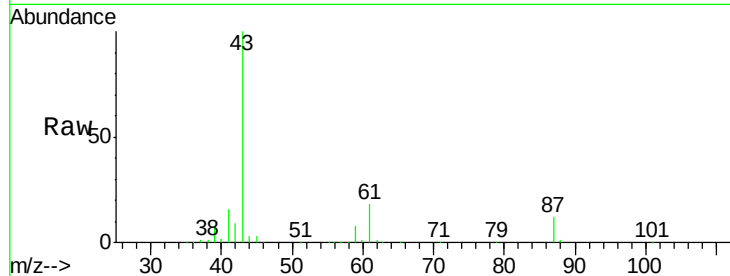
ClientSampleId :

VX0614WBSD01

Tot Ion:	43	Resp:	135357
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.1	9.5	14.3

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#44

Trichloroethene

Concen: 15.966 ug/l

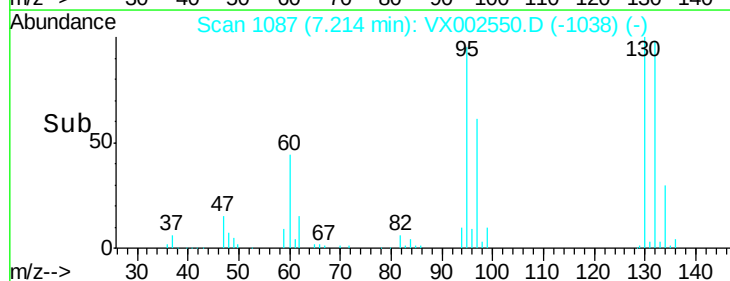
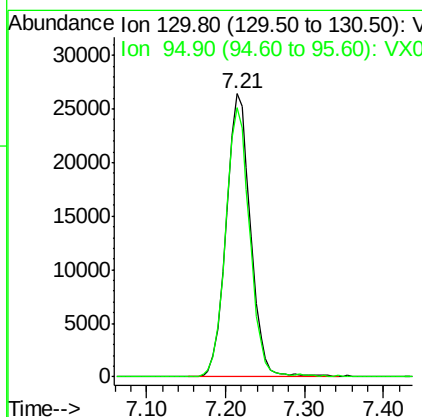
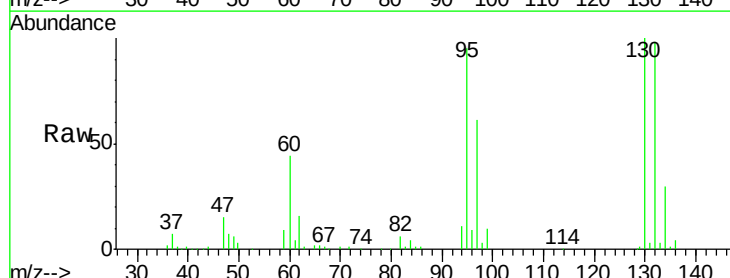
RT: 7.21 min Scan# 1087

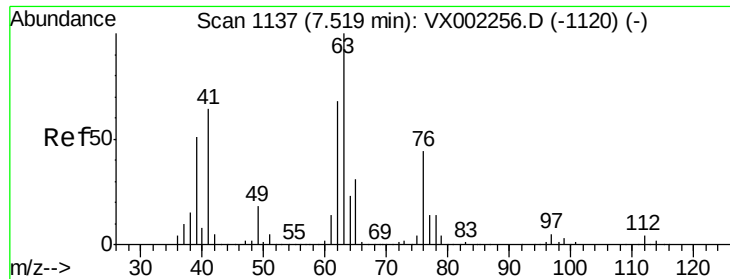
Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	130	Resp:	56612
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.4





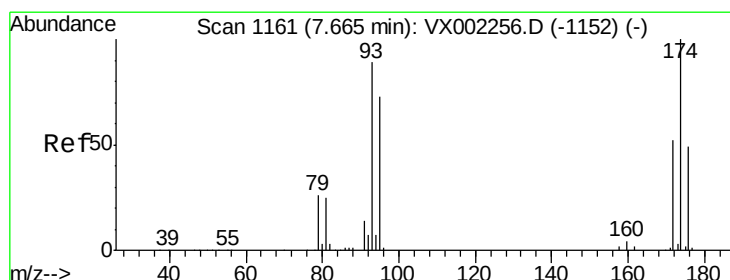
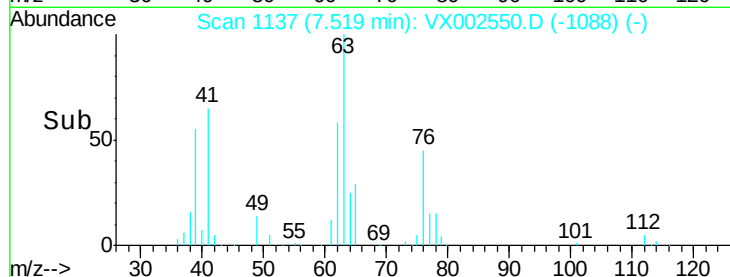
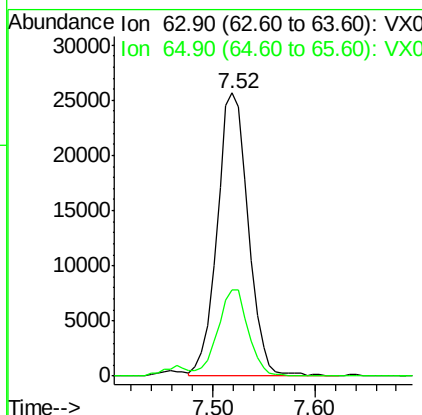
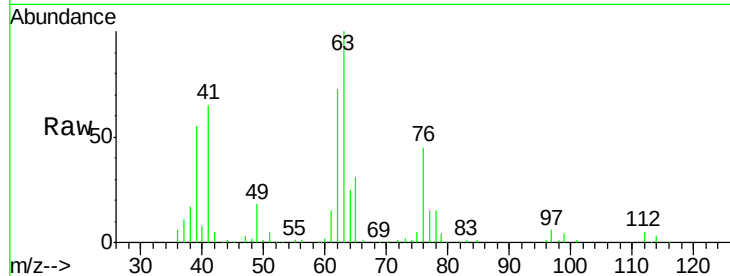
#45
 1,2-Dichloropropane
 Concen: 15.730 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion: 63 Resp: 54252
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

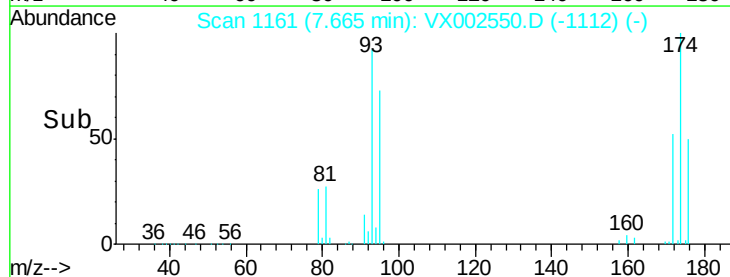
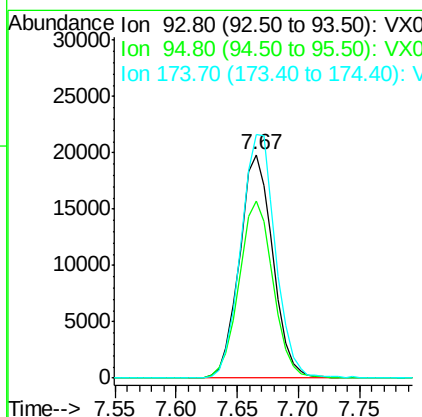
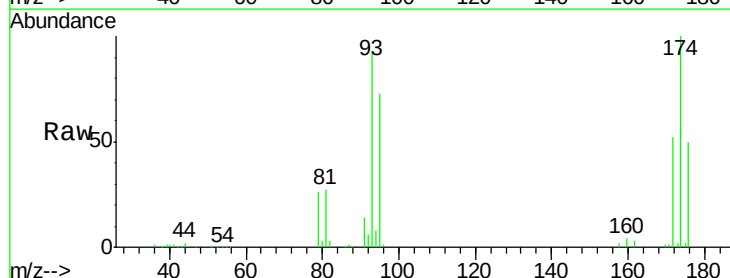
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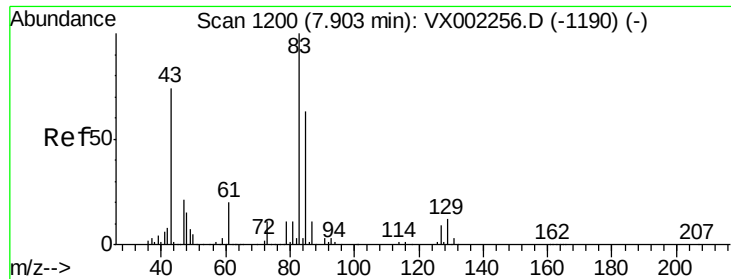
MMDadoda
 6/15/2018 1:11:50 PM



#46
 Dibromomethane
 Concen: 16.073 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion: 93 Resp: 37579
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.9 98.9
 174 113.3 92.4 138.6





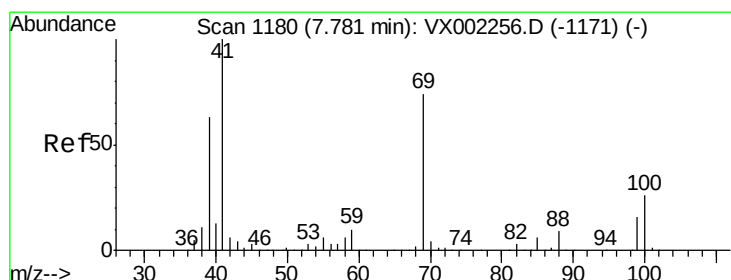
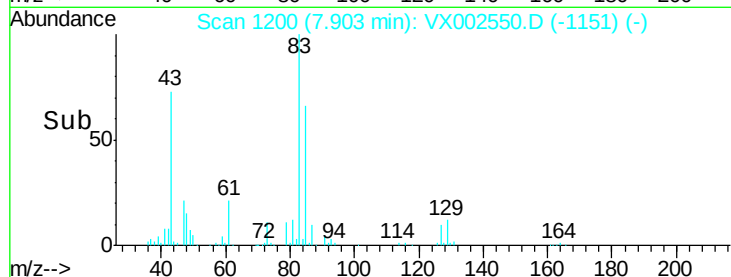
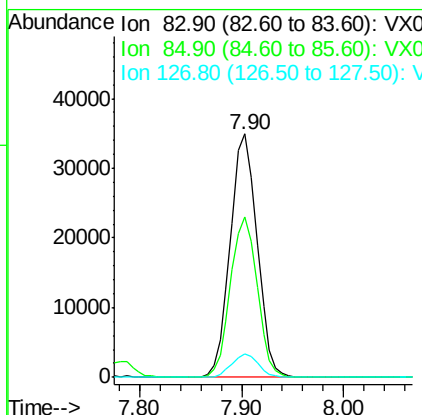
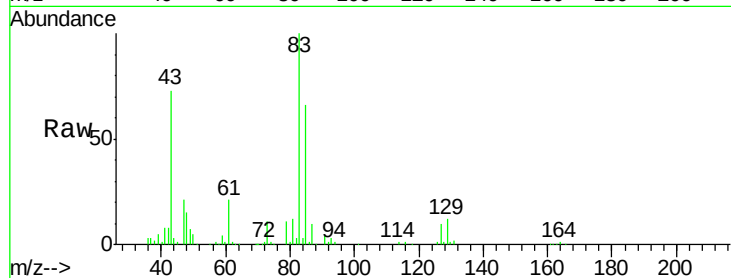
#47
Bromodichloromethane
Concen: 15.058 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.3	75.5
127	9.7	7.0	10.4

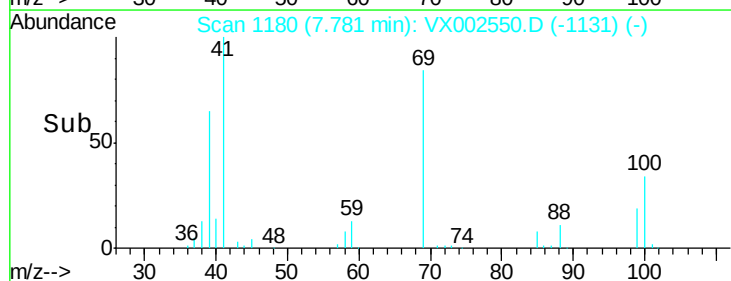
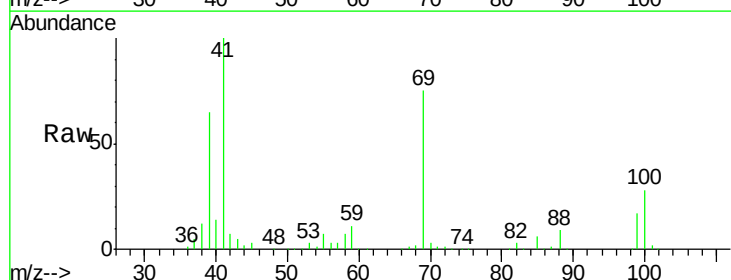
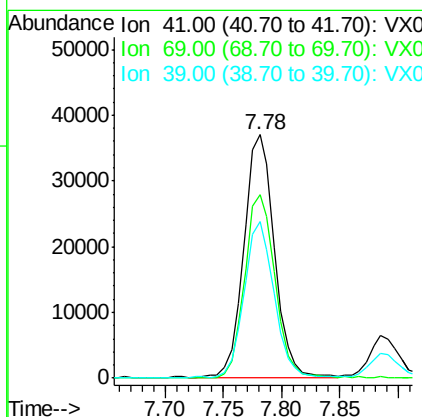
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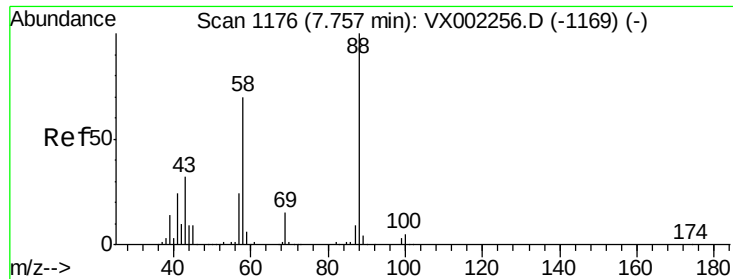
MMDadoda
6/15/2018 1:11:50 PM



#48
Methyl methacrylate
Concen: 15.791 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.1	88.7
39	63.1	48.9	73.3





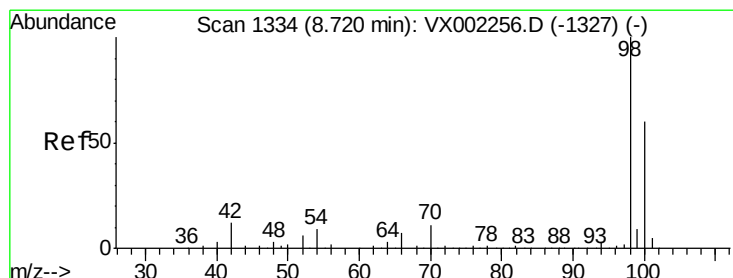
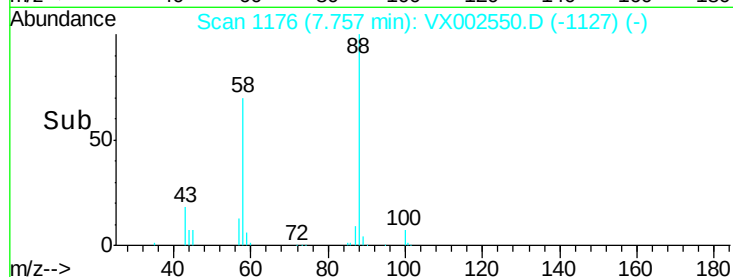
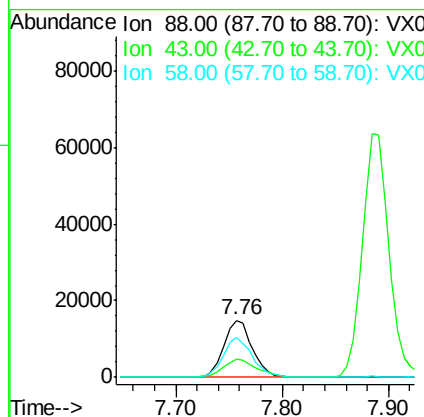
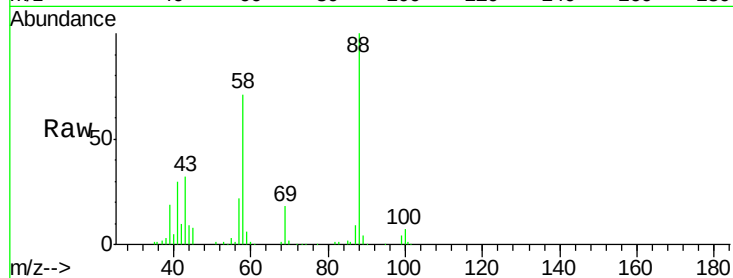
#49
1,4-Dioxane
Concen: 351.750 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.6
58	70.4	57.1	85.7

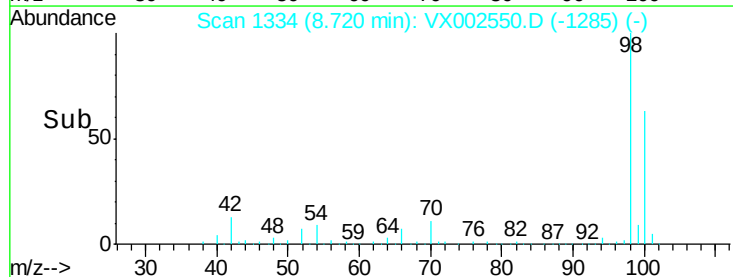
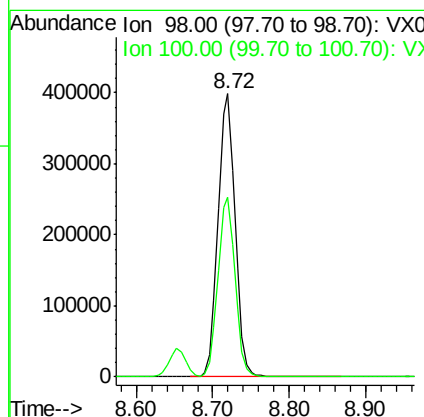
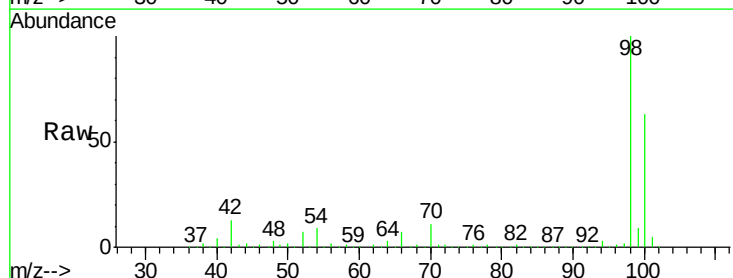
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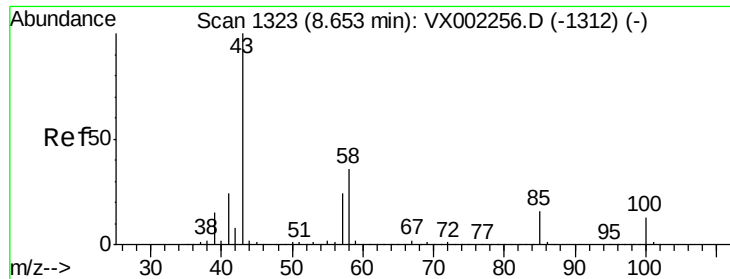
MMDadoda
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#50
Toluene-d8
Concen: 51.580 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 82.851 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 43 Resp: 439121

Ion Ratio Lower Upper

43 100

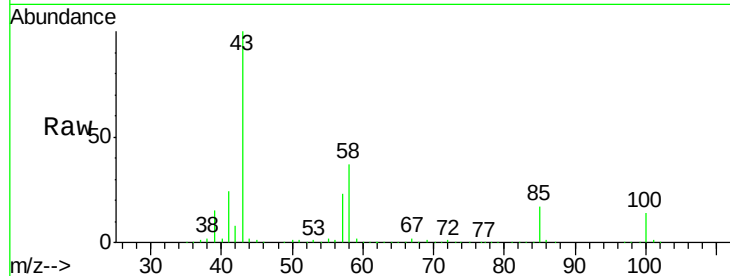
58 36.0 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300000

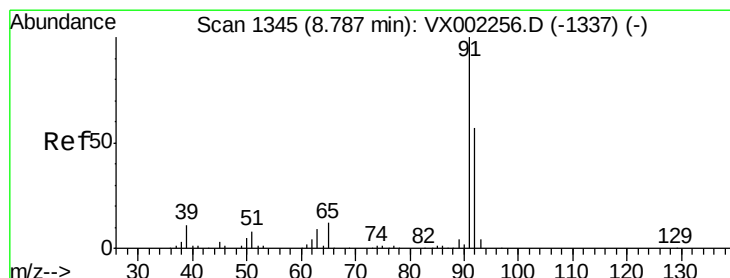
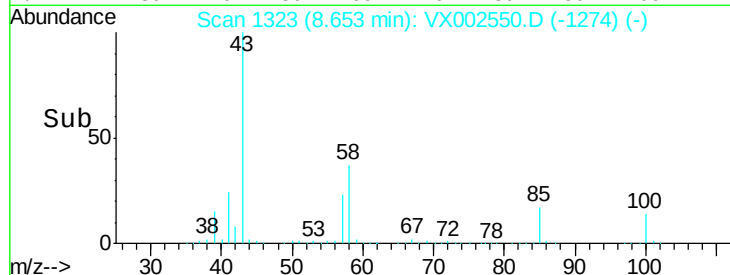
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 15.788 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002550.D

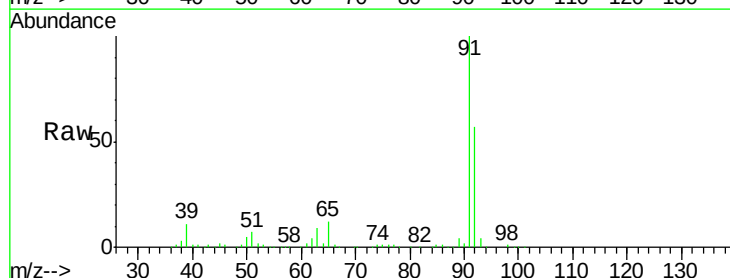
Acq: 14 Jun 2018 14:35

Tgt Ion: 92 Resp: 128285

Ion Ratio Lower Upper

92 100

91 175.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

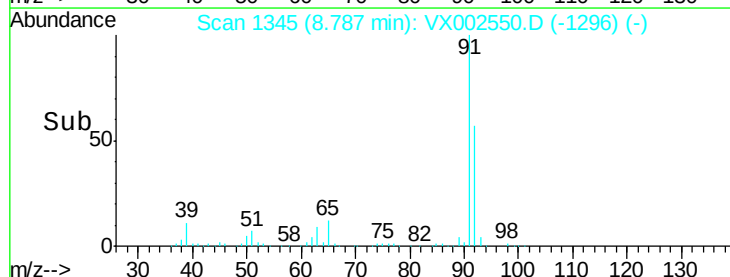
100000

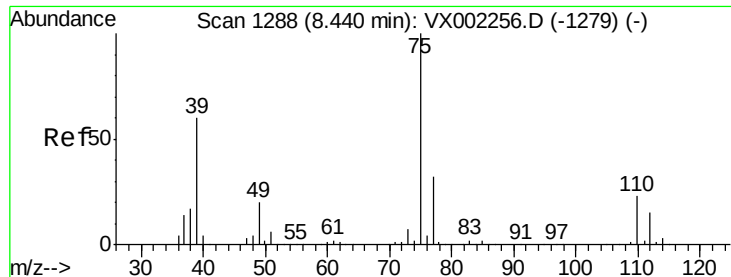
50000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.159 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tot Ion: 75 Resp: 76872

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

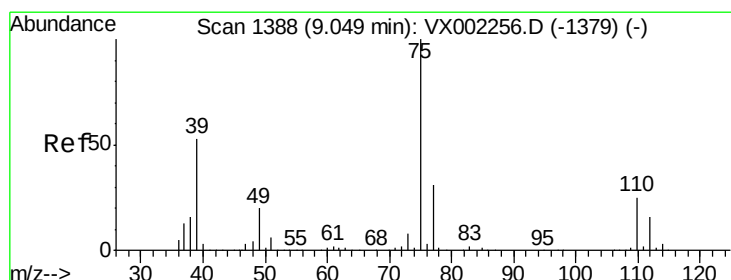
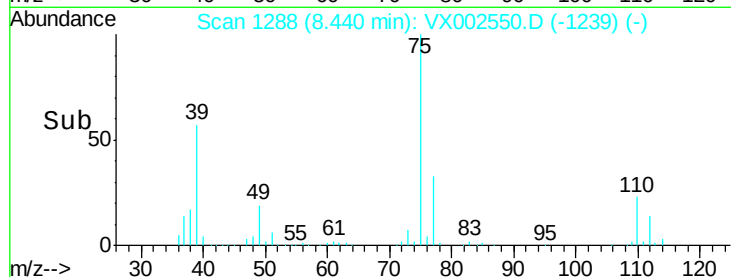
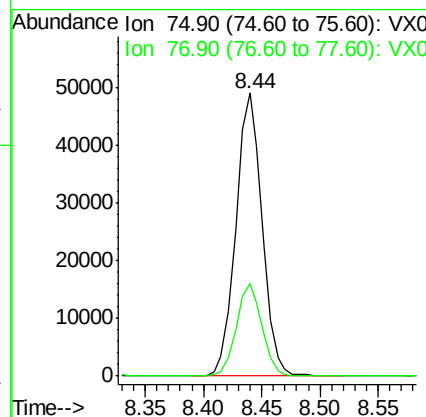
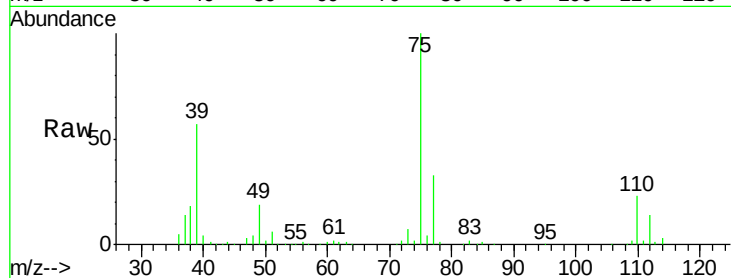
VX0614WBSD01

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#54

cis-1,3-Dichloropropene

Concen: 14.843 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

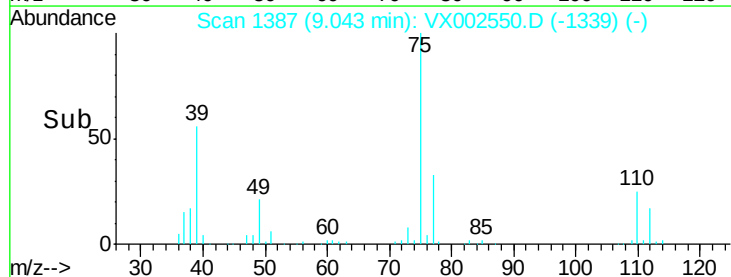
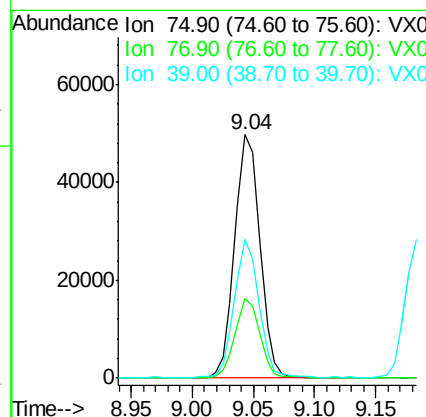
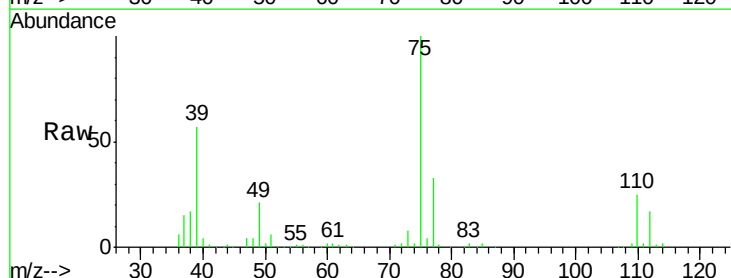
Tgt Ion: 75 Resp: 71011

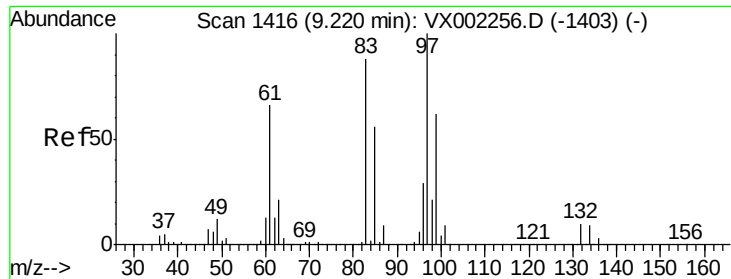
Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2

39 56.7 42.4 63.6





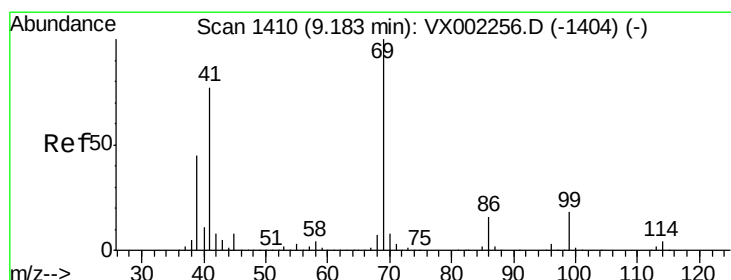
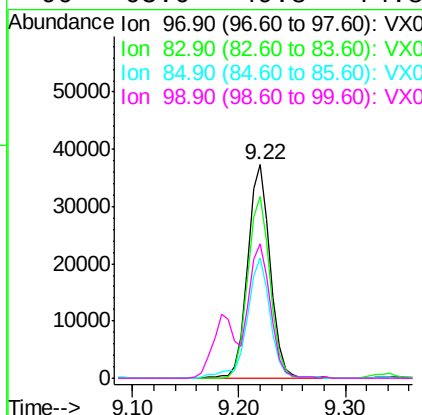
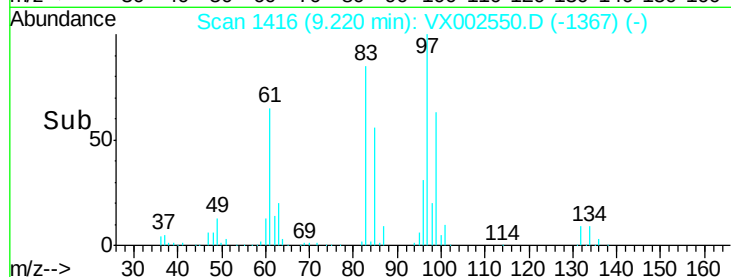
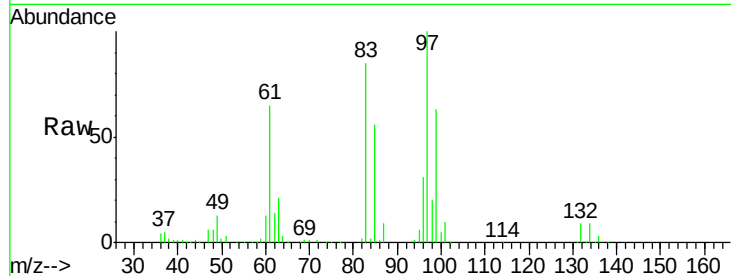
#55
 1,1,2-Trichloroethane
 Concen: 16.476 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion:	97	Resp:	55060
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	56.2	44.9	67.3
99	63.0	49.8	74.8

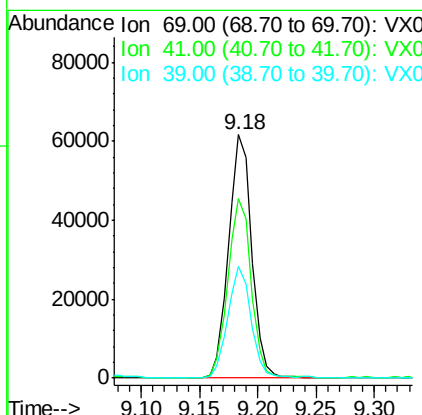
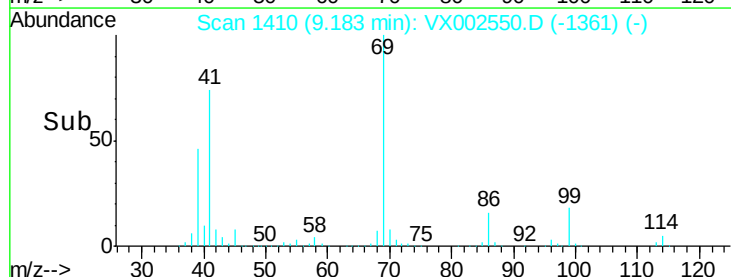
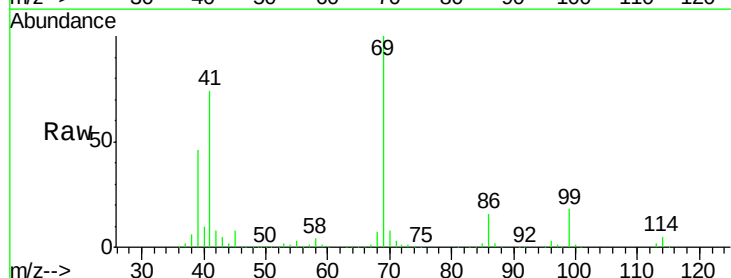
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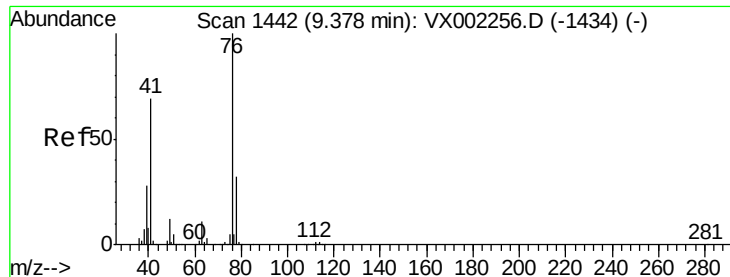
MMDadoda
 6/15/2018 1:11:50 PM



#56
 Ethyl methacrylate
 Concen: 16.034 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion:	69	Resp:	85550
Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.3	90.5
39	45.6	35.8	53.8





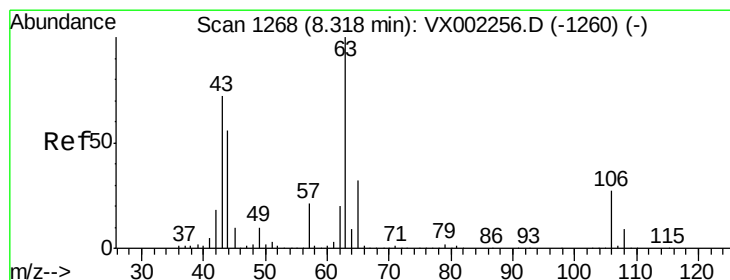
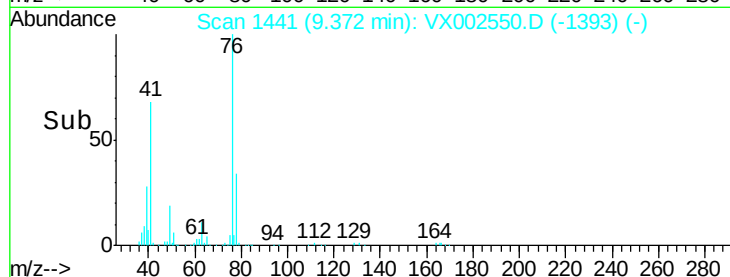
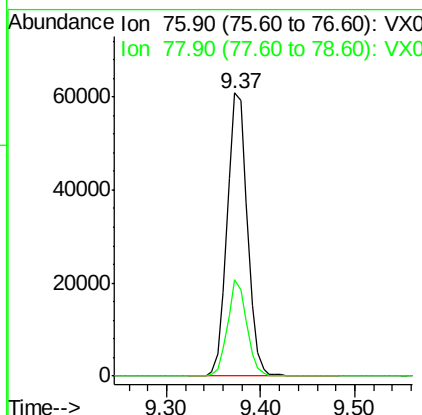
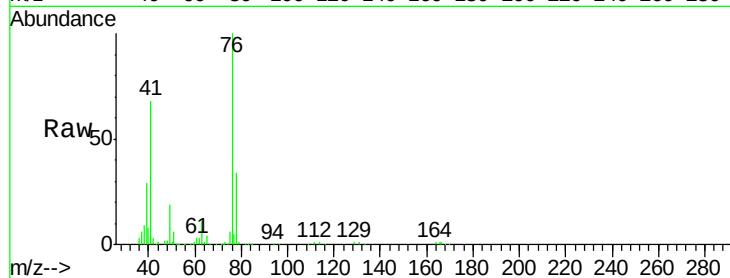
#57
 1,3-Dichloropropane
 Concen: 16.146 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion: 76 Resp: 90524
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

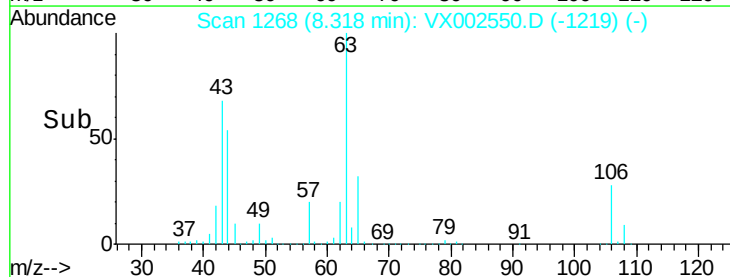
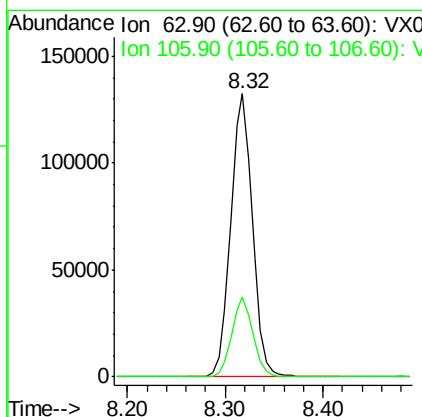
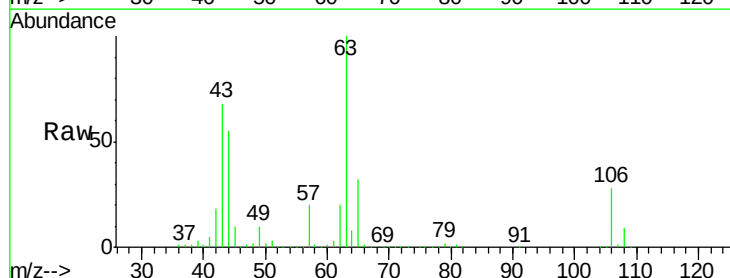
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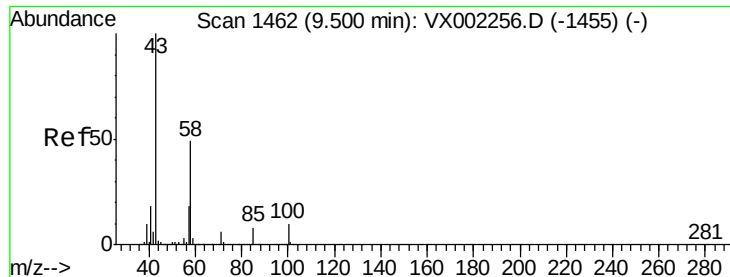
MMDadoda
 6/15/2018 1:11:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.224 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion: 63 Resp: 203048
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.8 32.8





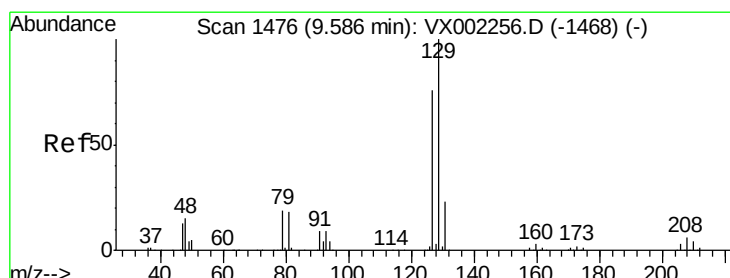
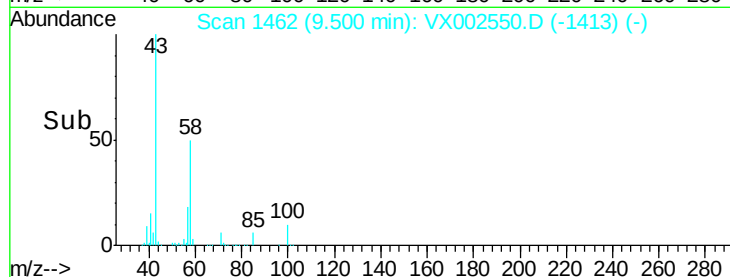
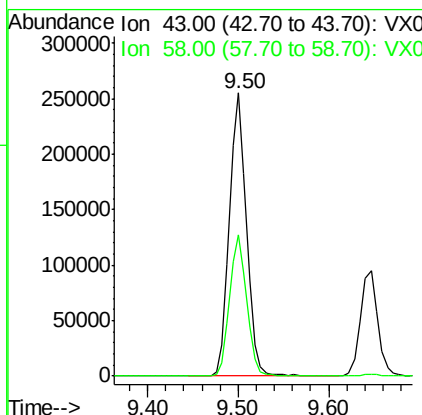
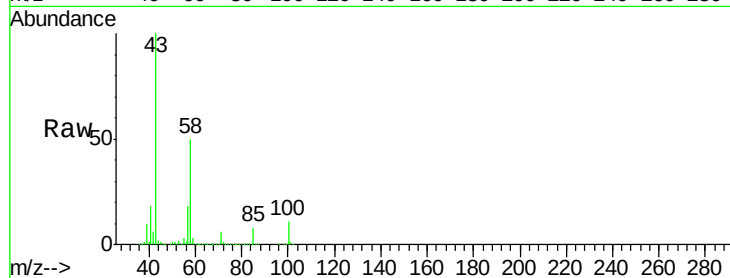
#59
2-Hexanone
Concen: 81.557 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

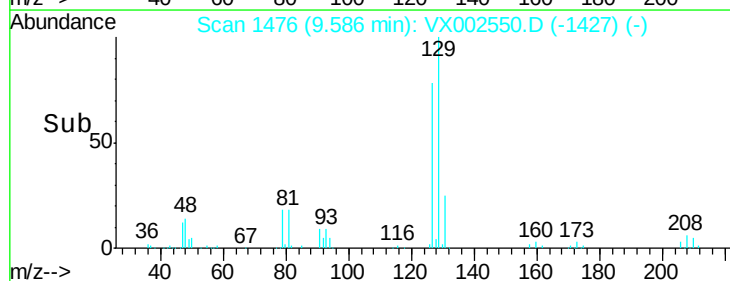
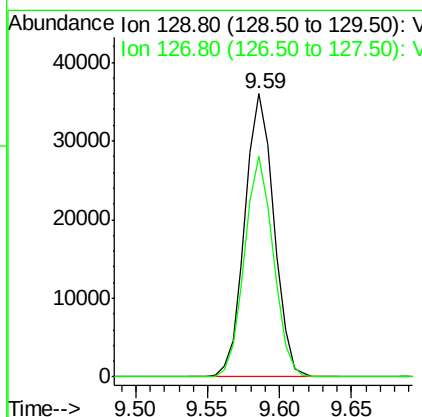
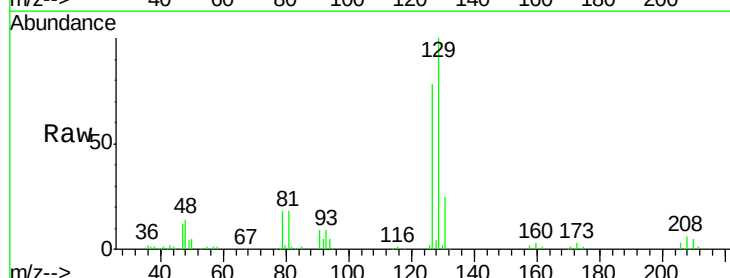
Manual Integrations
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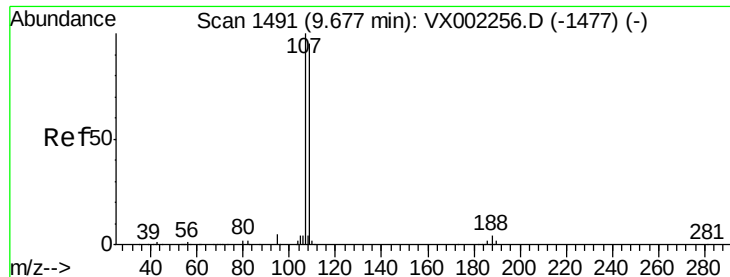
MMDadoda
6/15/2018 1:11:50 PM



#60
Dibromochloromethane
Concen: 14.941 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3





#61

1,2-Dibromoethane

Concen: 16.202 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion:107 Resp: 56457

Ion Ratio Lower Upper

107 100

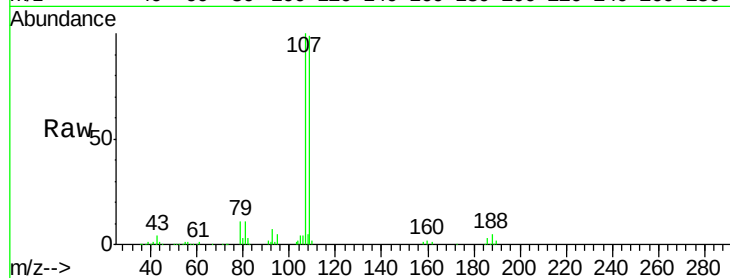
109 95.3 75.3 112.9

Manual Integrations

APPROVED

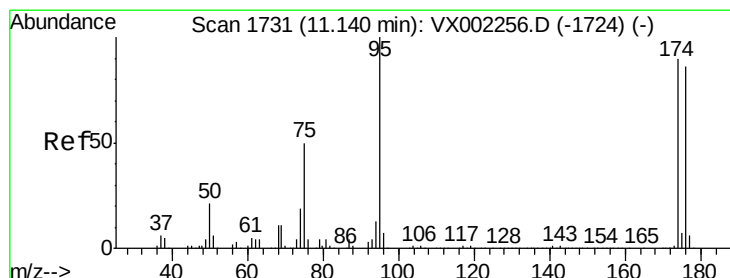
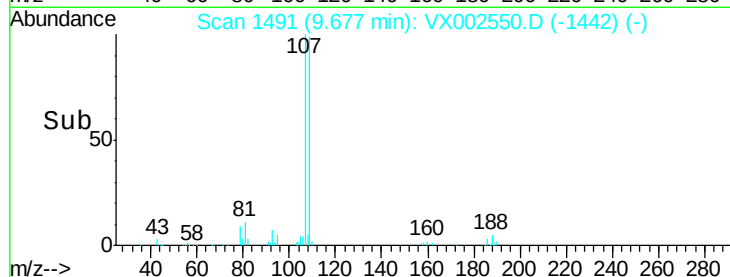
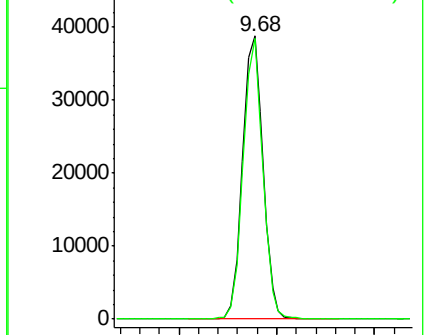
MMDadoda

6/15/2018 1:11:50 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.265 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

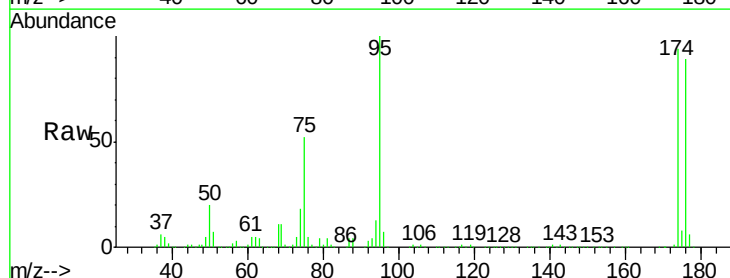
Tgt Ion: 95 Resp: 226953

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.4

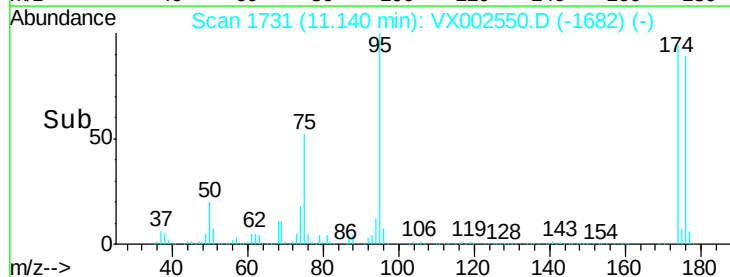
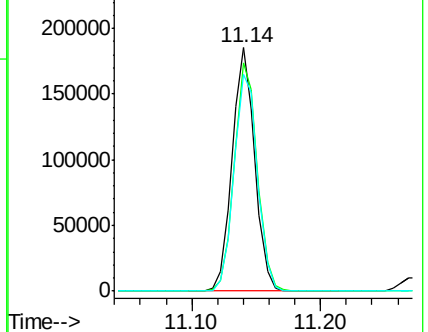
176 92.6 0.0 181.0

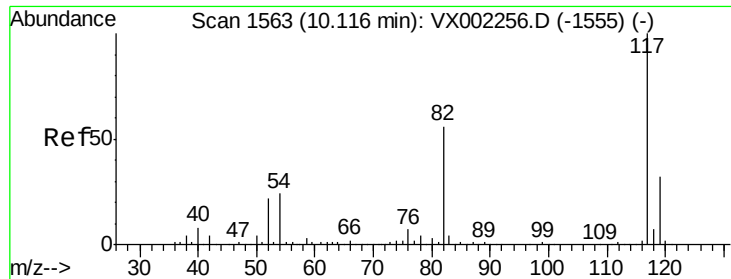


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





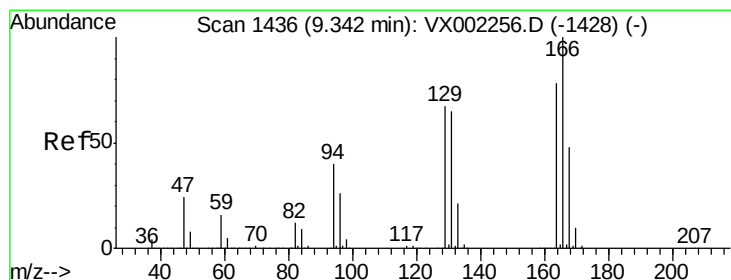
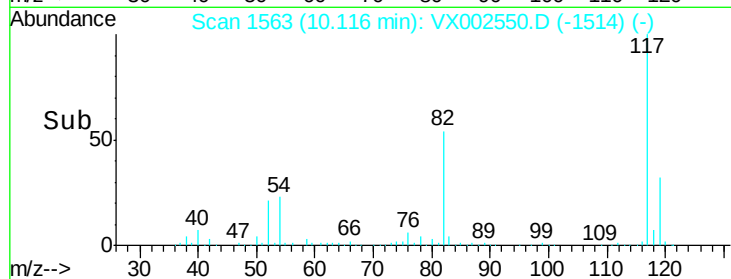
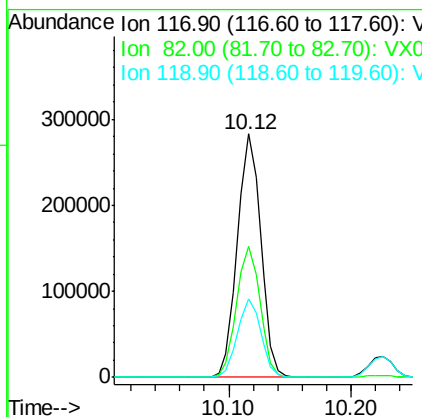
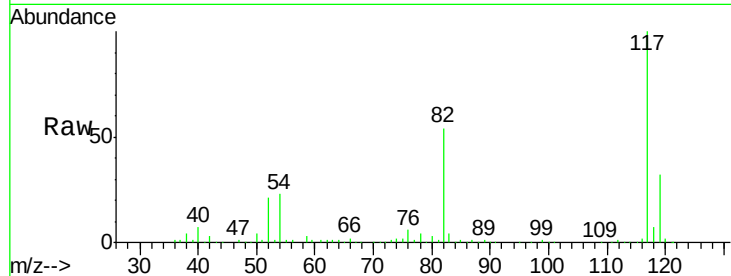
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.4	25.8	38.6

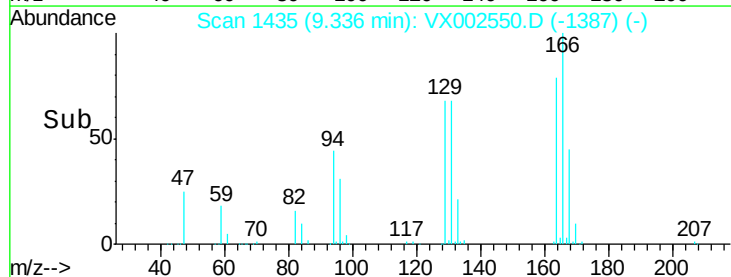
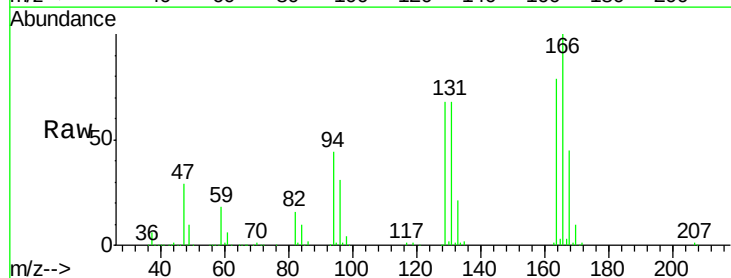
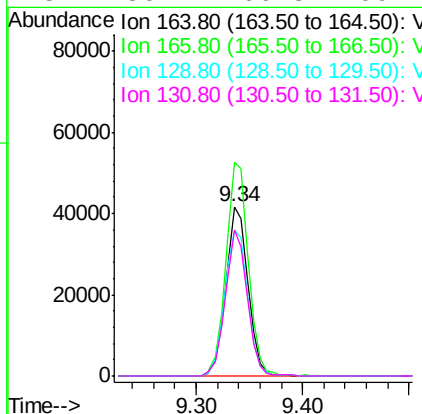
Manual Integrations
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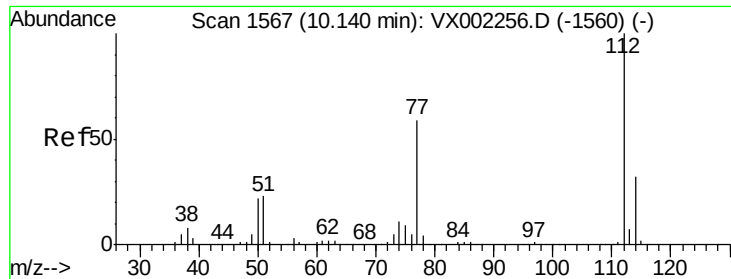
MMDadoda
6/15/2018 1:11:50 PM



#64
Tetrachloroethene
Concen: 15.681 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.9	154.3
129	86.2	68.6	102.8
131	86.2	66.8	100.2





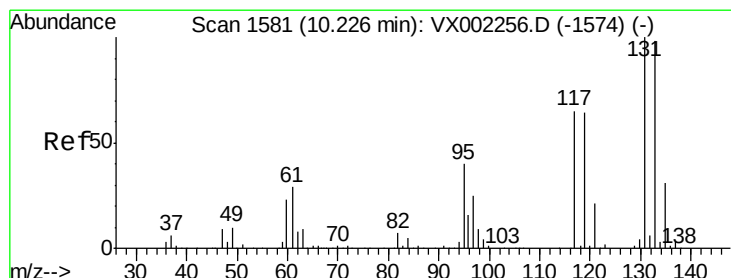
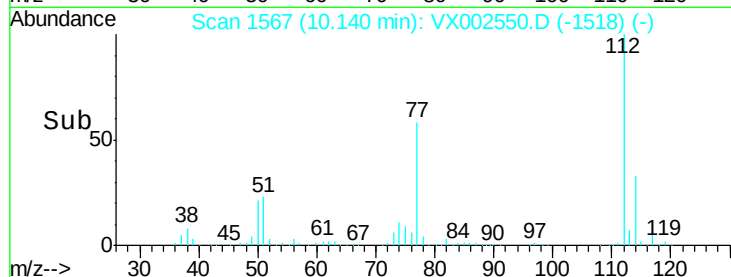
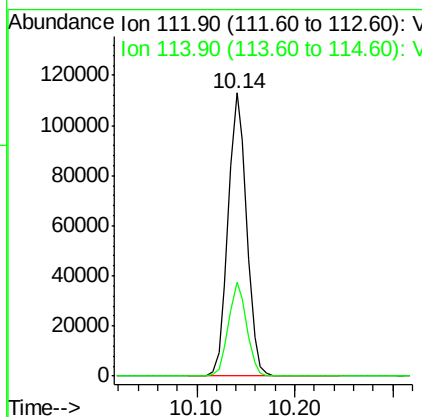
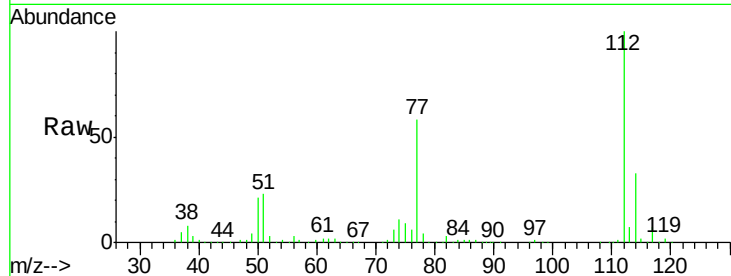
#65
Chlorobenzene
Concen: 15.983 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion:112 Resp: 148908
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9

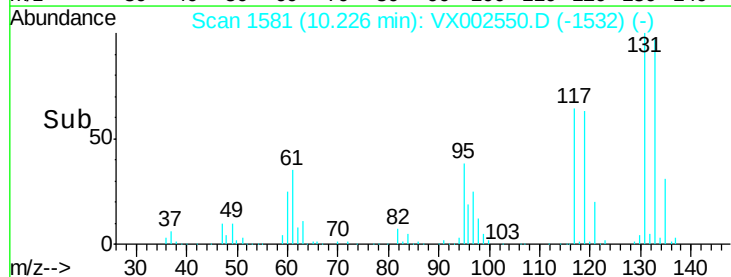
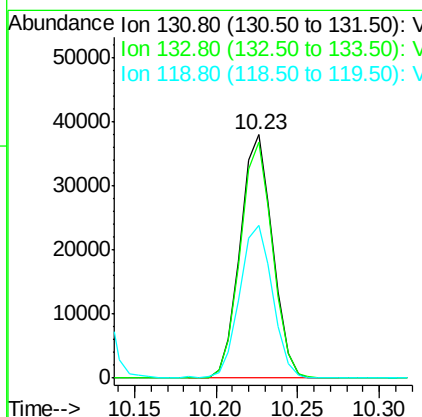
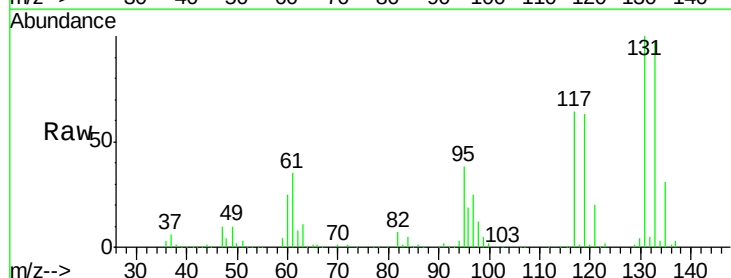
Manual Integrations
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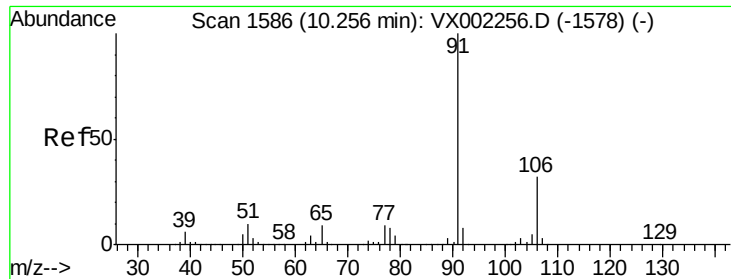
MMDadoda
6/15/2018 1:11:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 15.555 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion:131 Resp: 52475
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.6
119 64.0 31.8 95.3





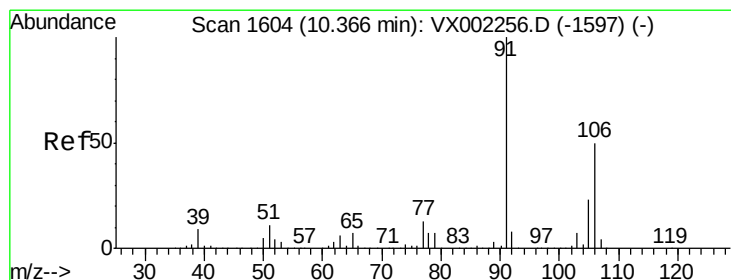
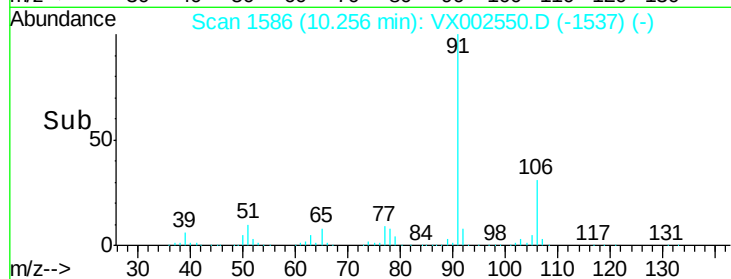
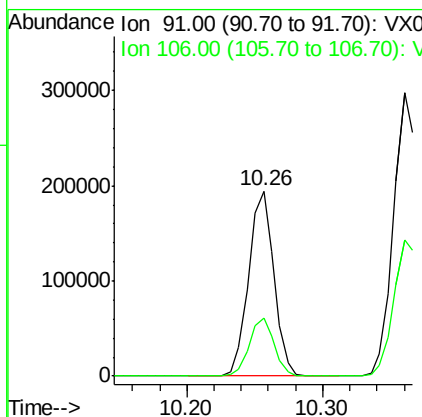
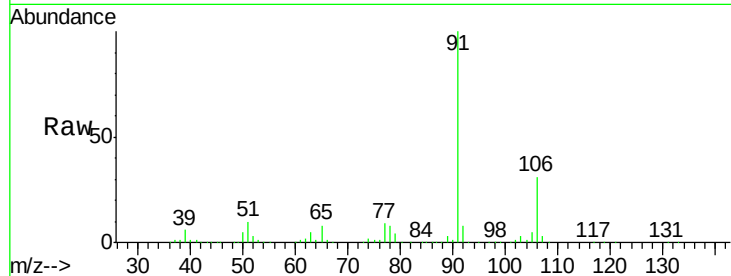
#67
Ethyl Benzene
Concen: 16.282 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion: 91 Resp: 253863
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

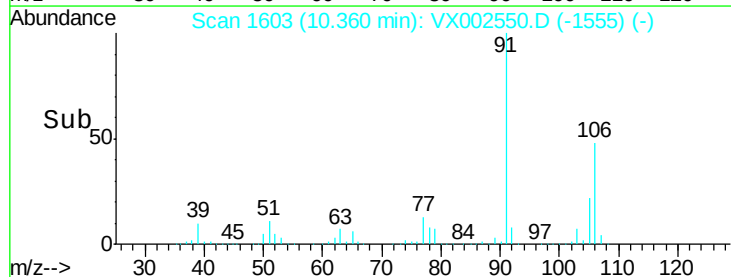
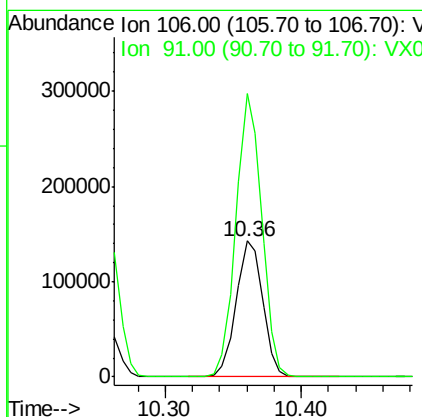
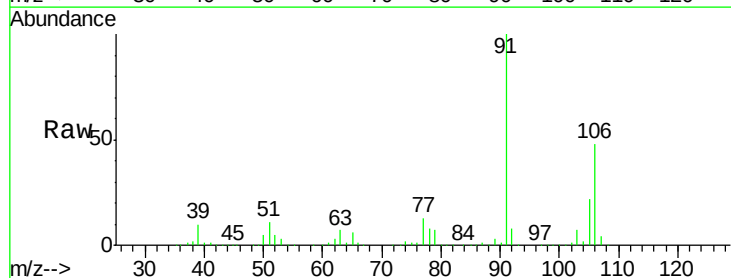
Manual Integrations
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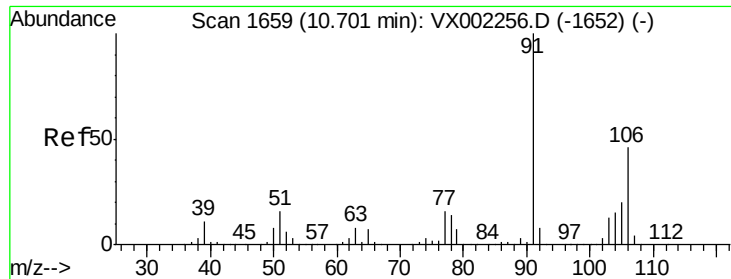
MMDadoda
6/15/2018 1:11:50 PM



#68
m/p-Xylenes
Concen: 31.913 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion: 106 Resp: 193420
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2





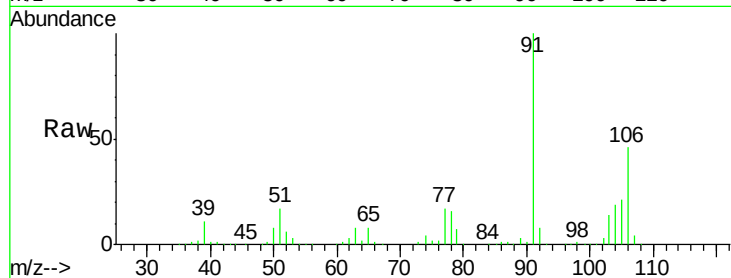
#69
o-Xylene
Concen: 15.904 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampled :
VX0614WBSD01

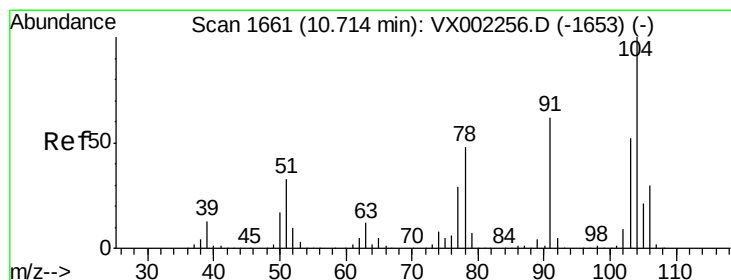
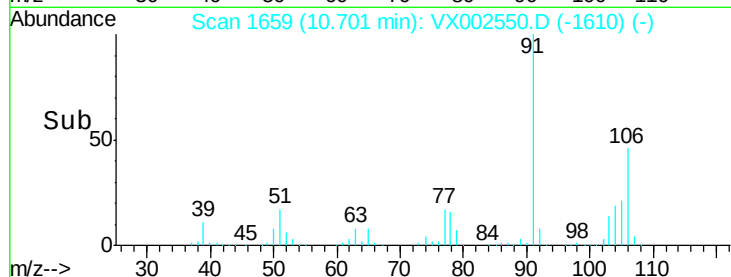
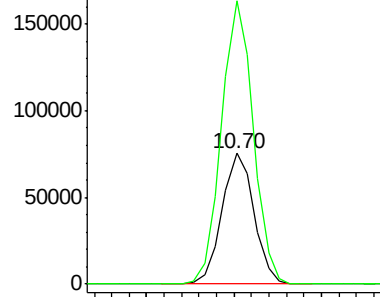
Tot Ion:106 Resp: 95924
Ion Ratio Lower Upper
106 100
91 215.1 108.2 324.6

Manual Integrations
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6/15/2018 1:11:50 PM

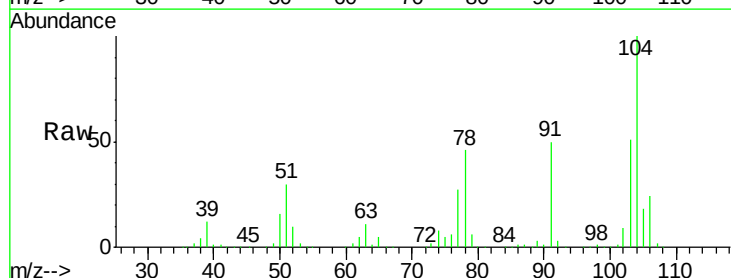


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

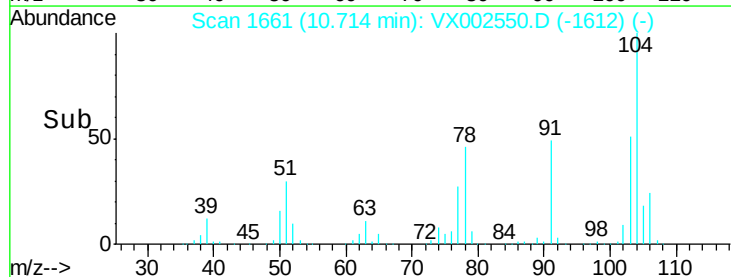
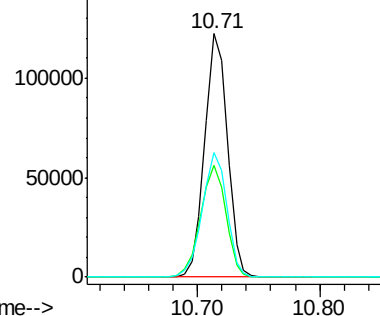


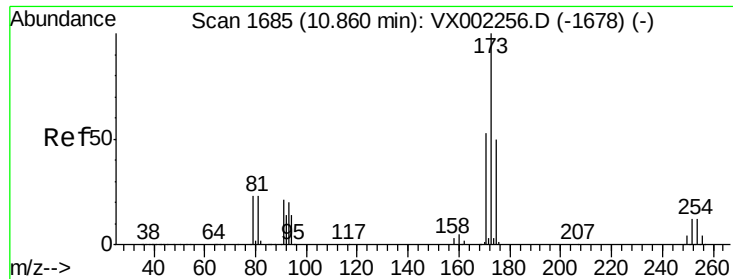
#70
Styrene
Concen: 15.927 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion:104 Resp: 157041
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 55.6 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





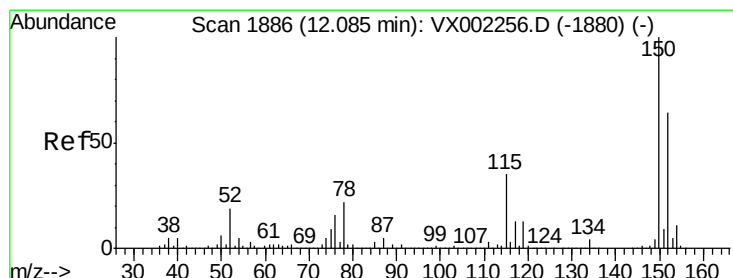
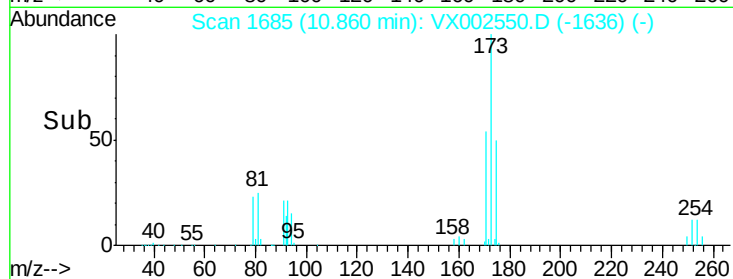
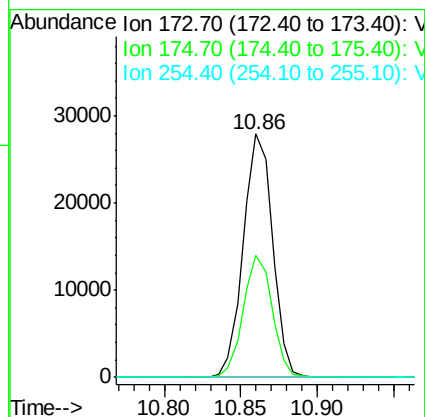
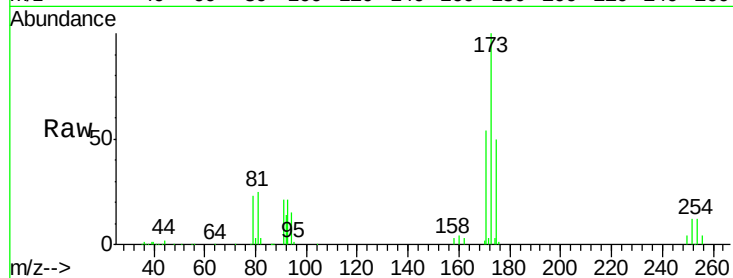
#71
Bromoform
Concen: 14.924 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampled :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.7	74.1
254	0.0	0.2	0.2

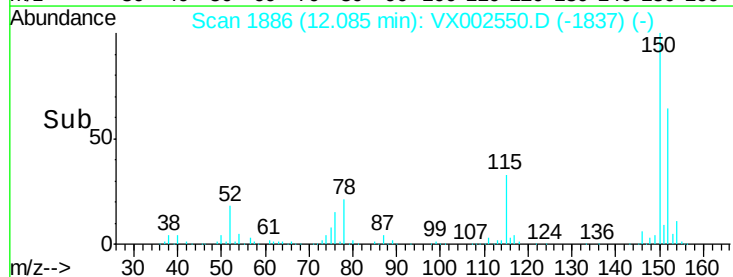
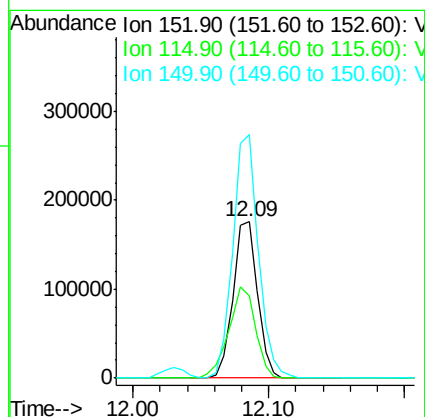
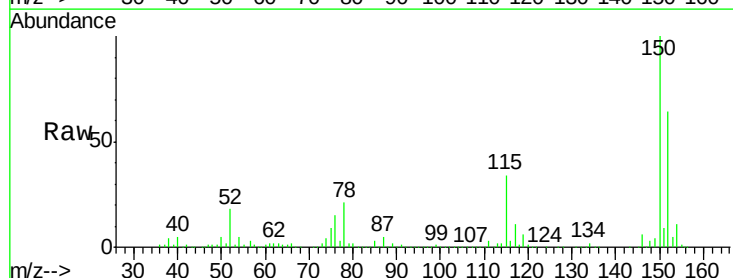
Manual Integrations
APPROVED

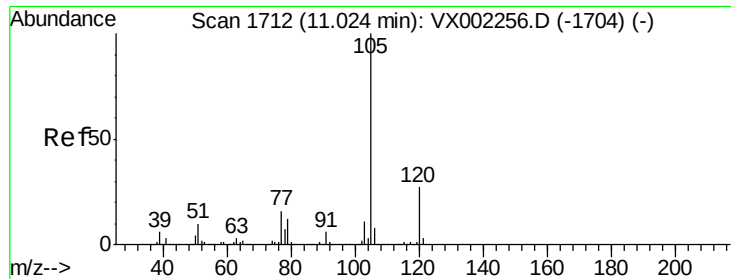
MMDadoda
6/15/2018 1:11:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	40.1	120.2
150	163.2	0.0	347.2





#73

Isopropylbenzene

Concen: 17.256 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion:105 Resp: 263556

Ion Ratio Lower Upper

105 100

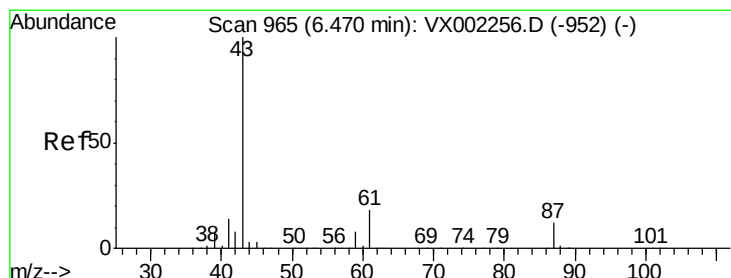
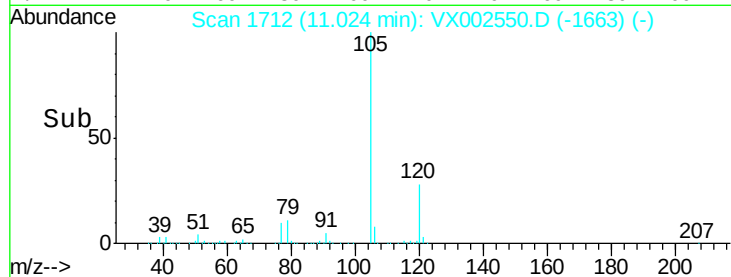
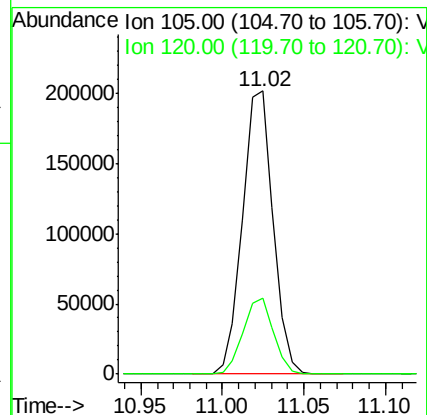
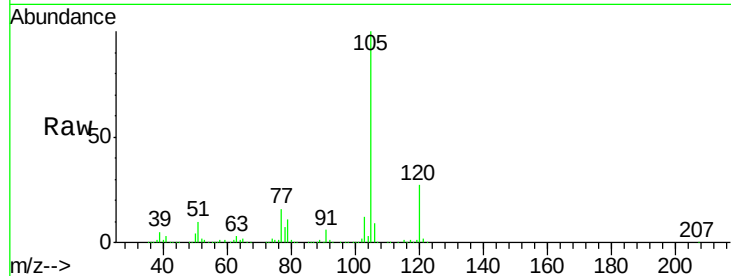
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

6/15/2018 1:11:50 PM



#74

N-ethyl acetate

Concen: 16.447 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion: 43 Resp: 135357

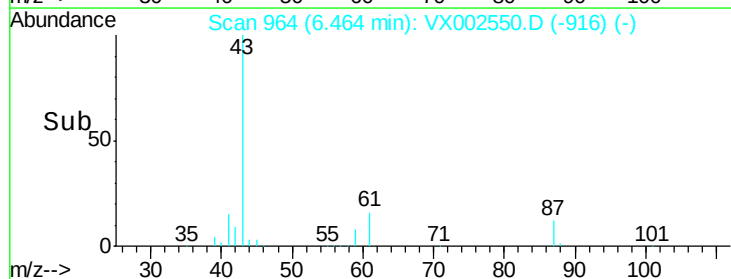
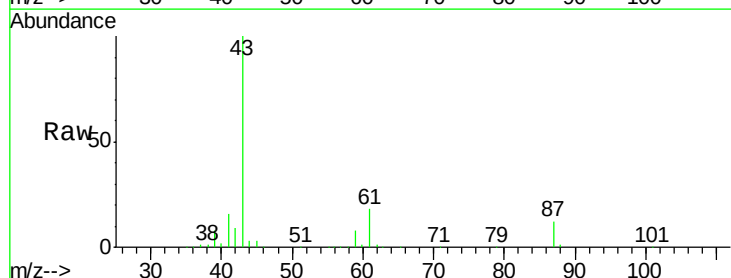
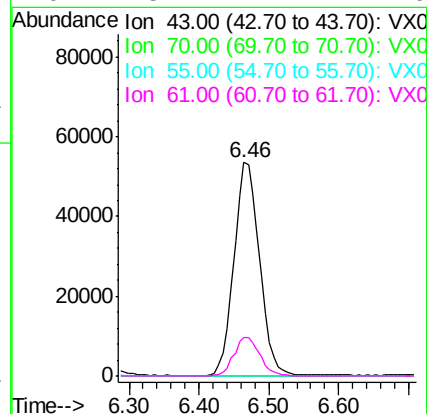
Ion Ratio Lower Upper

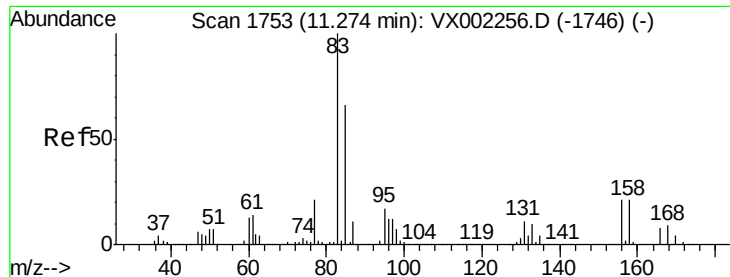
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.058 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

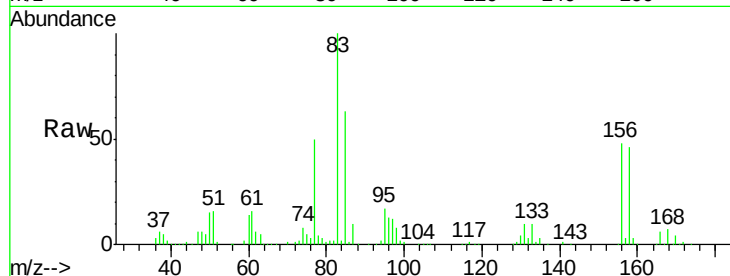
ClientSampleId :

VX0614WBSD01

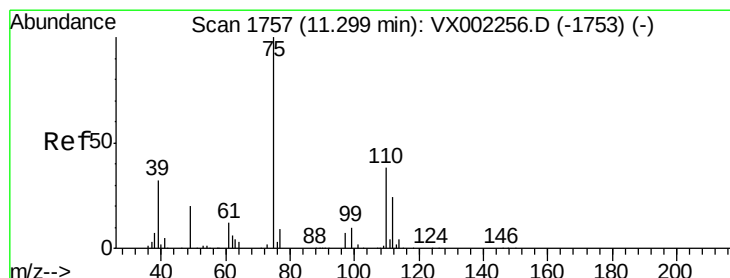
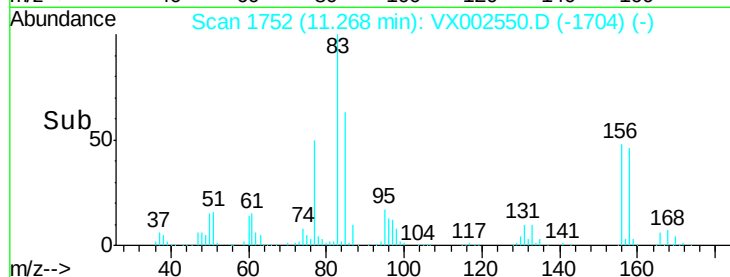
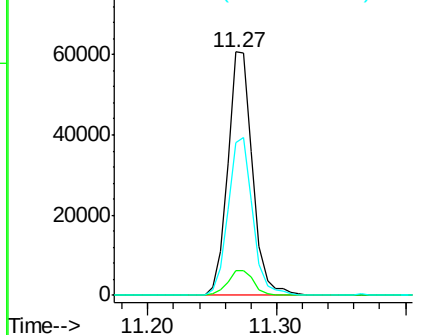
Tot Ion:	83	Resp:	81939
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
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6/15/2018 1:11:50 PM



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



#76

1,2,3-Trichloropropane

Concen: 15.100 ug/l m

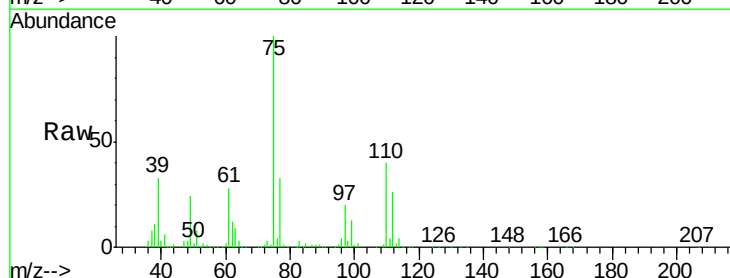
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

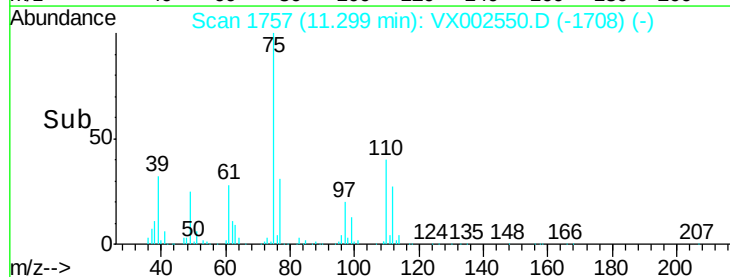
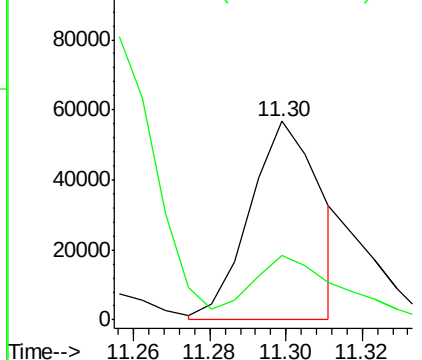
Lab File: VX002550.D

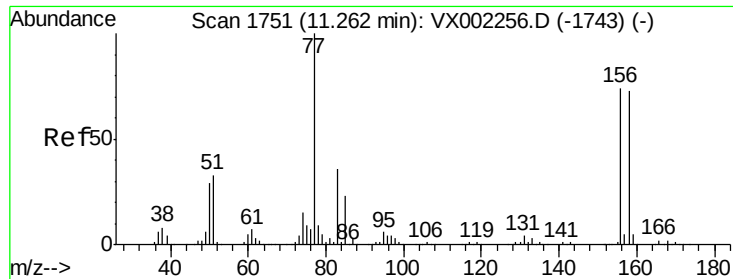
Acq: 14 Jun 2018 14:35

Tgt Ion:	75	Resp:	72746
Ion	Ratio	Lower	Upper
75	100		
77	40.8	22.8	68.3



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





#77

Bromobenzene

Concen: 16.990 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion:156 Resp: 72852

Ion Ratio Lower Upper

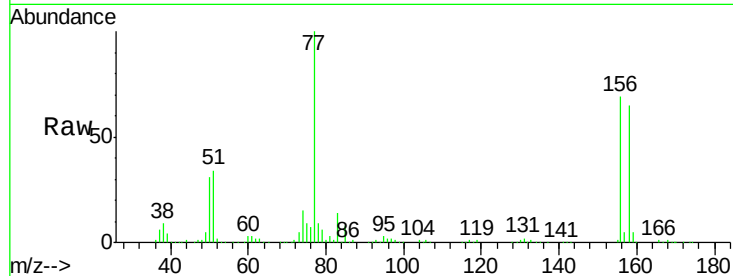
156 100

77 137.7 71.4 214.2

158 95.8 48.9 146.6

Manual Integrations
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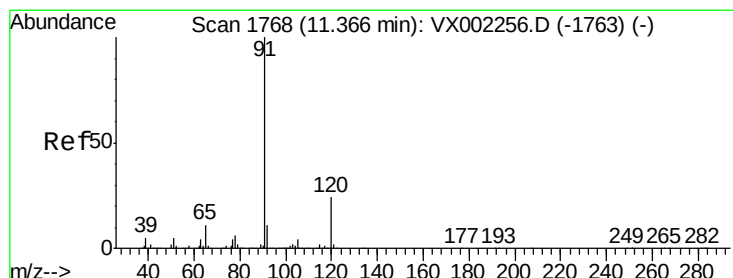
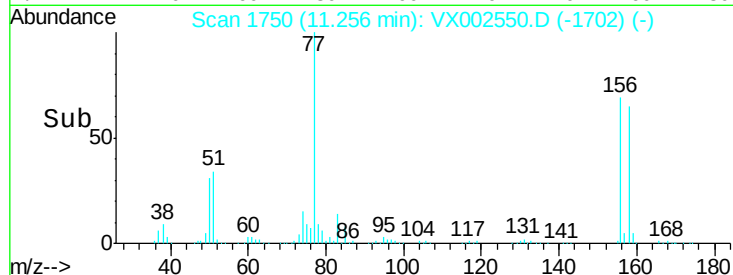
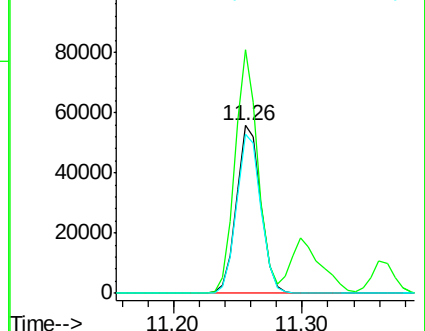
MMDadoda
6/15/2018 1:11:50 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.649 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002550.D

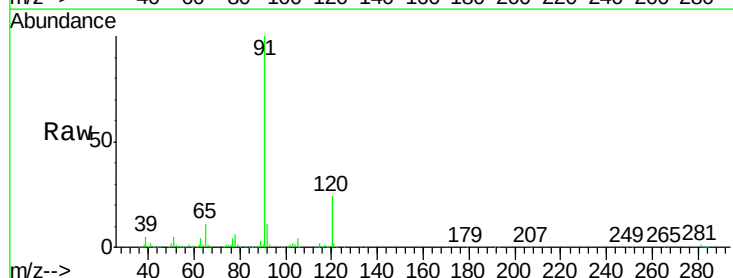
Acq: 14 Jun 2018 14:35

Tgt Ion: 91 Resp: 299610

Ion Ratio Lower Upper

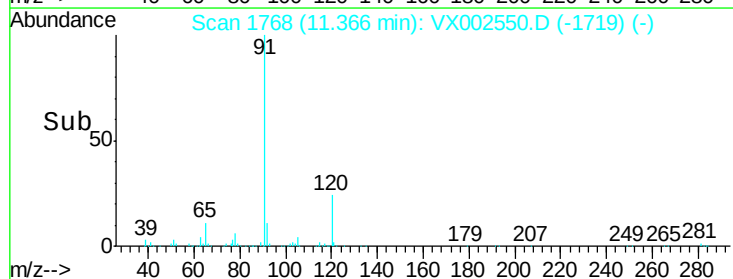
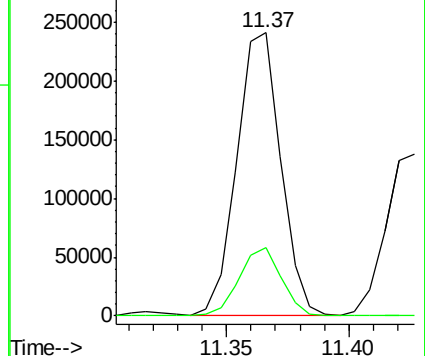
91 100

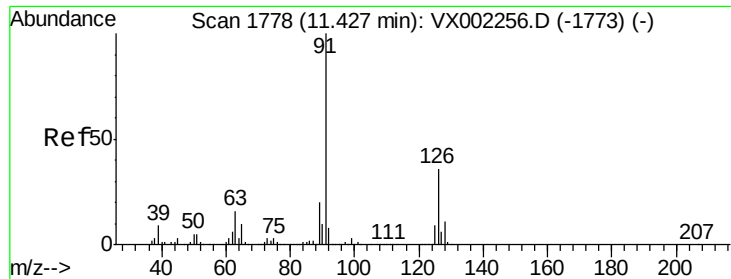
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.362 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD01

Tot Ion: 91 Resp: 175386

Ion Ratio Lower Upper

91 100

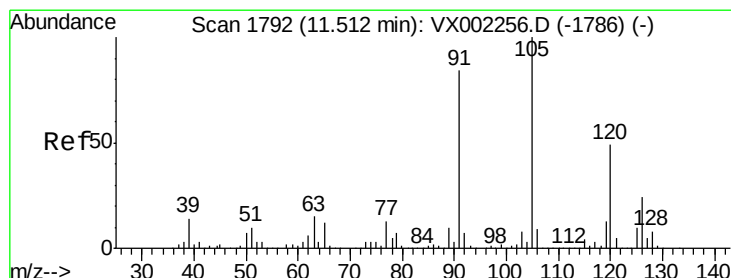
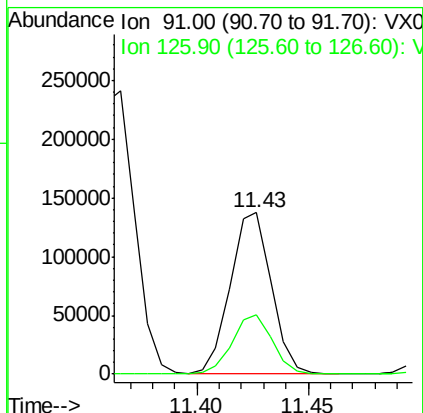
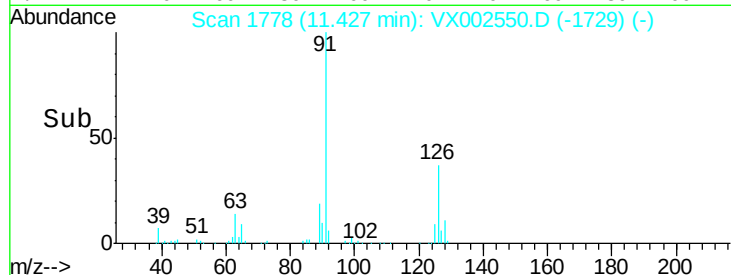
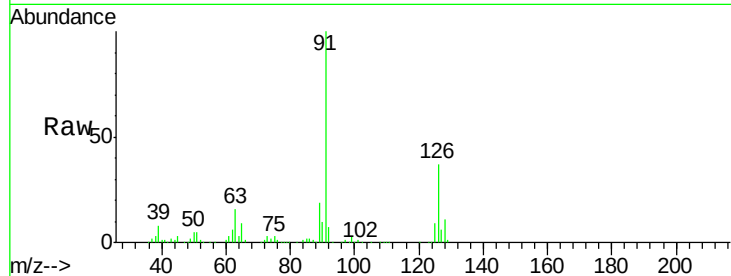
126 35.9 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.837 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002550.D

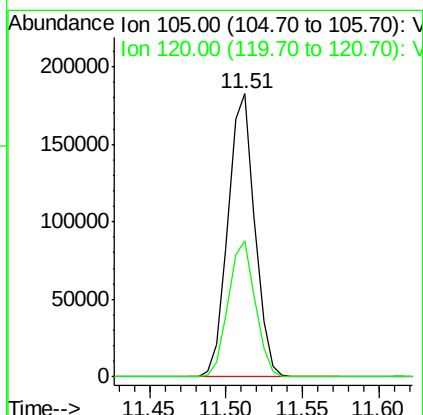
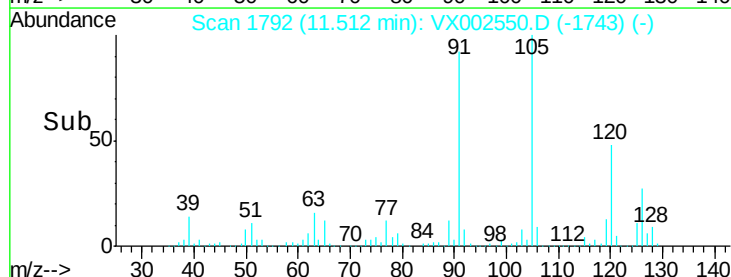
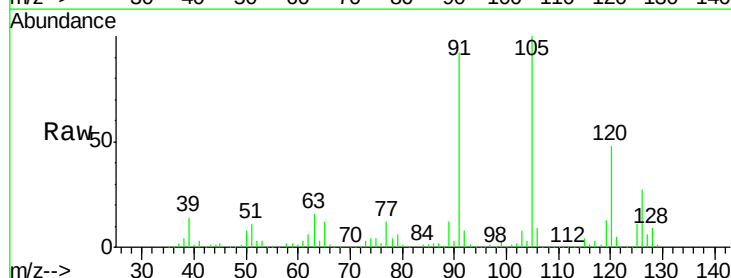
Acq: 14 Jun 2018 14:35

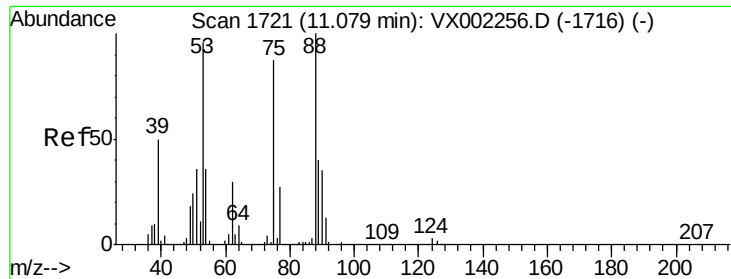
Tgt Ion: 105 Resp: 220568

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4





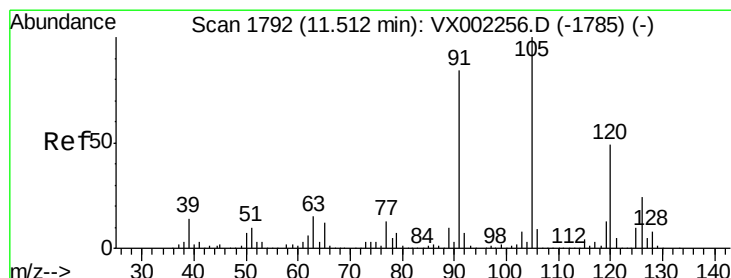
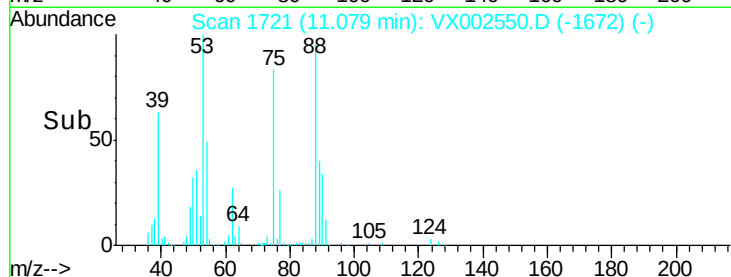
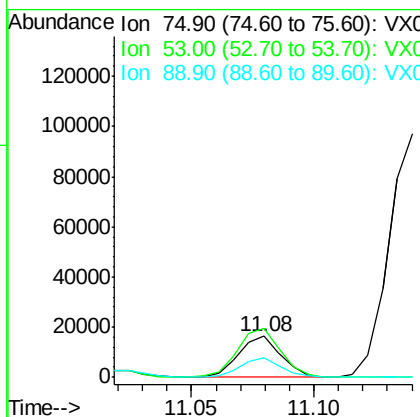
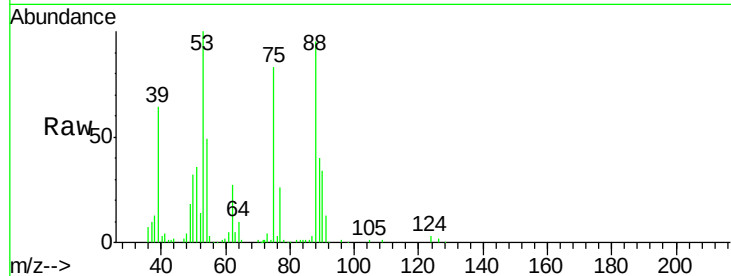
#81
trans-1,4-Dichloro-2-butene
Concen: 14.214 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion: 75 Resp: 19535
Ion Ratio Lower Upper
75 100
53 124.3 86.8 130.2
89 47.5 38.2 57.2

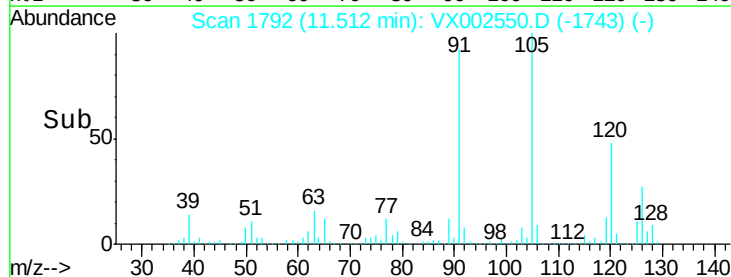
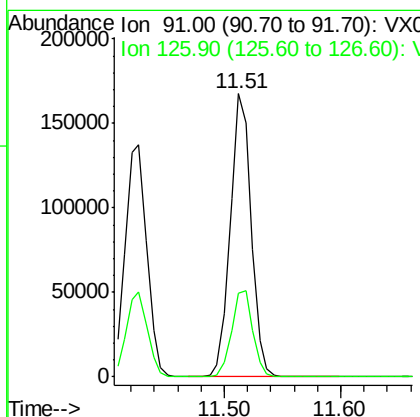
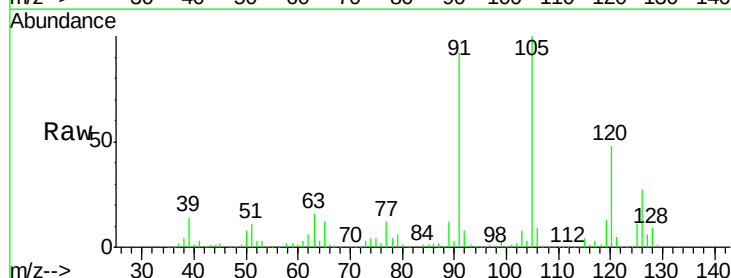
Manual Integrations
APPROVED

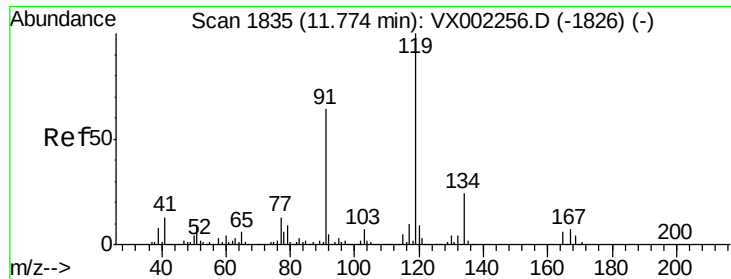
MMDadoda
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#82
4-Chlorotoluene
Concen: 16.941 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion: 91 Resp: 209608
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.4





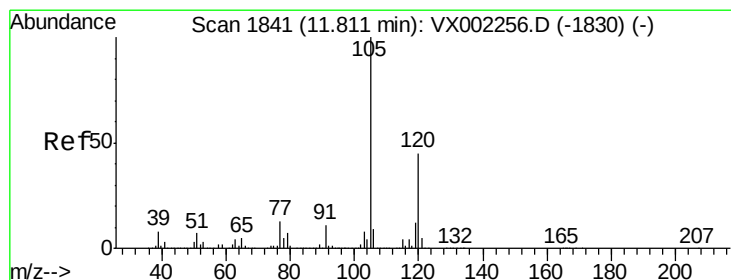
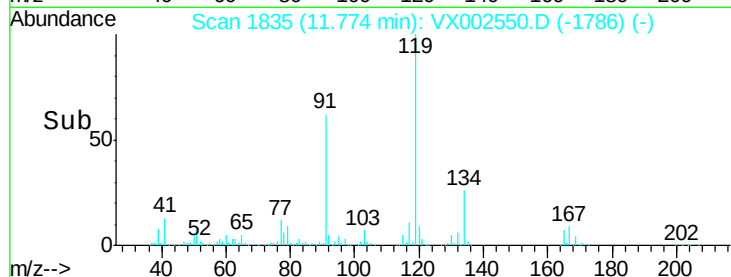
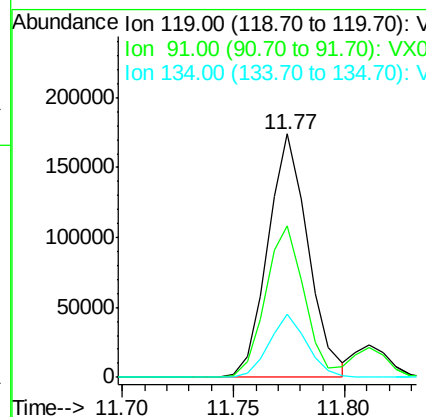
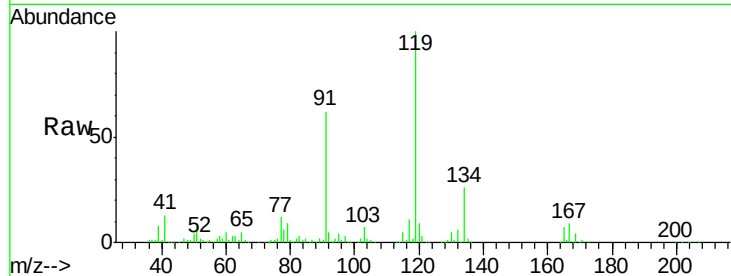
#83
 tert-Butylbenzene
 Concen: 17.124 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218445		
91	60.8		30.3	90.9
134	24.2		11.7	35.1

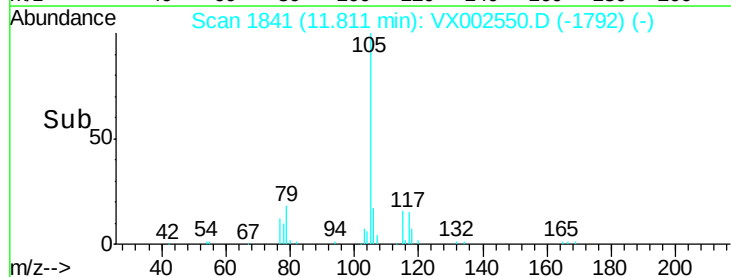
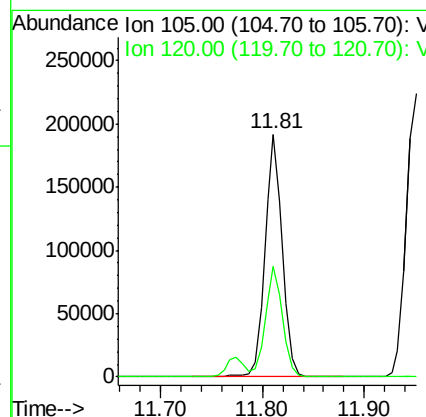
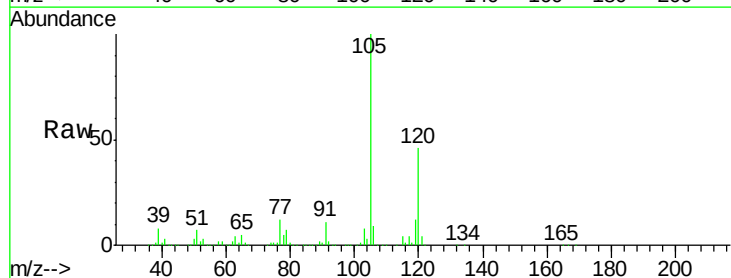
Manual Integrations
 APPROVED

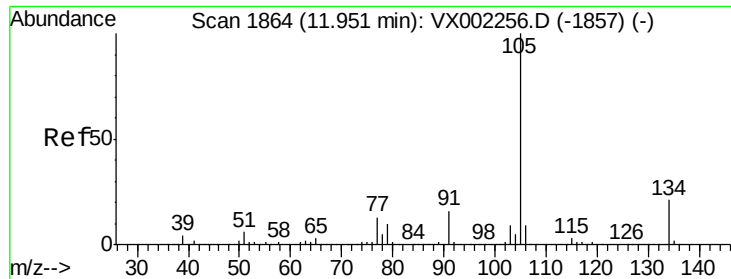
MMDadoda
 6/15/2018 1:11:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 16.833 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226990		
120	45.3		22.3	66.8





#85

sec-Butylbenzene

Concen: 18.030 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

ClientSampled :

VX0614WBSD01

Tot Ion:105 Resp: 269639

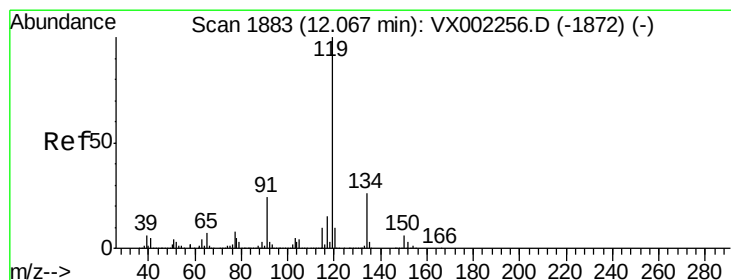
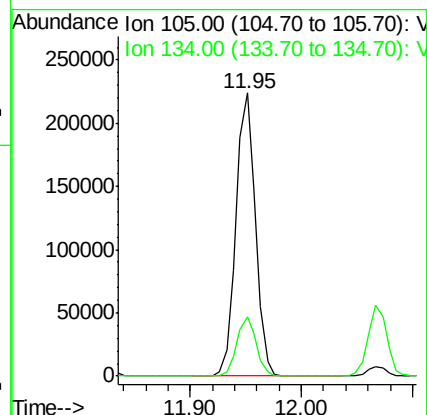
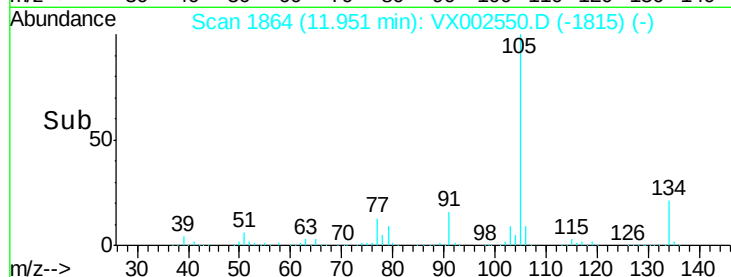
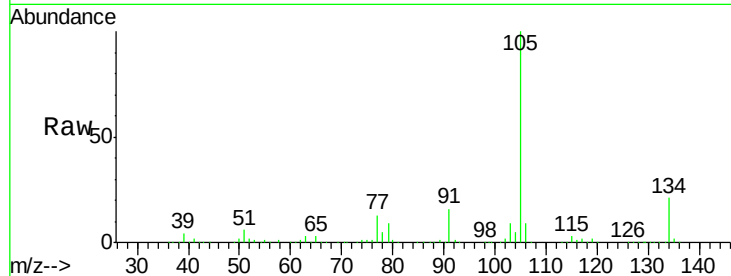
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:11:50 PM



#86

p-Isopropyltoluene

Concen: 17.867 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

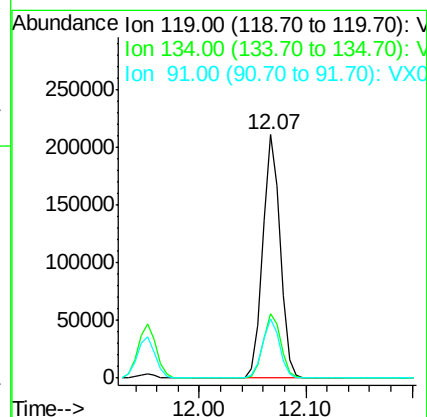
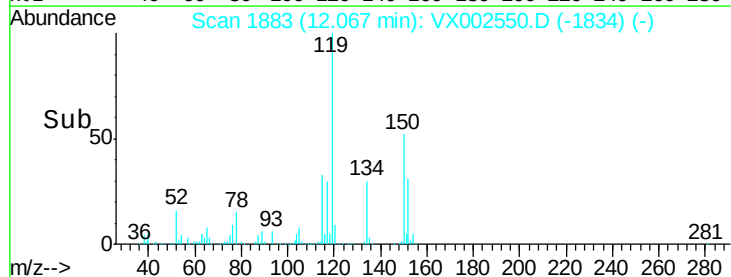
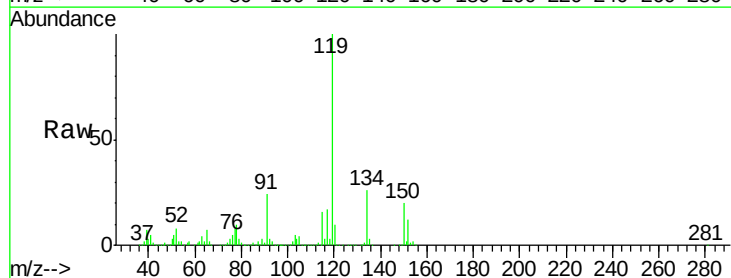
Tgt Ion:119 Resp: 243389

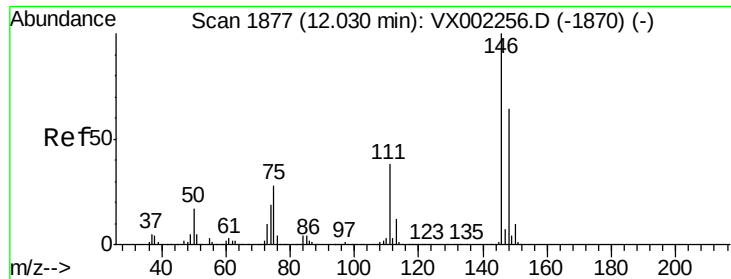
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.3 11.9 35.7





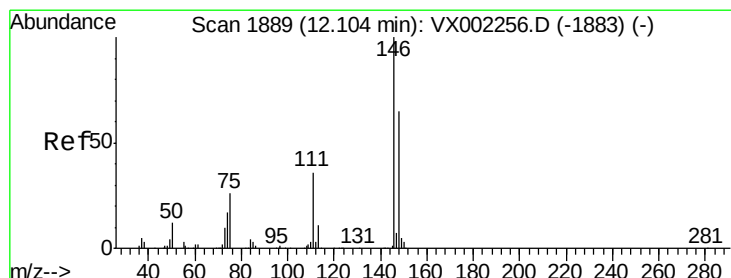
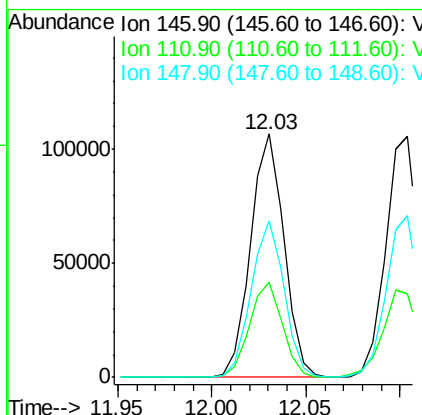
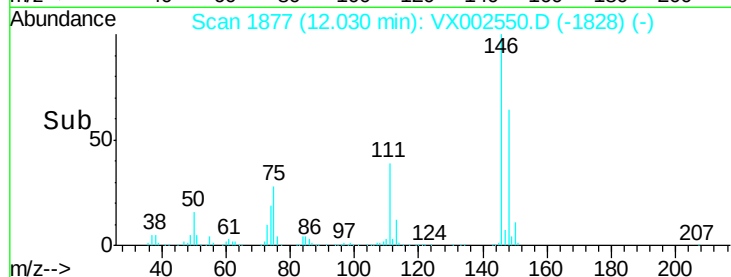
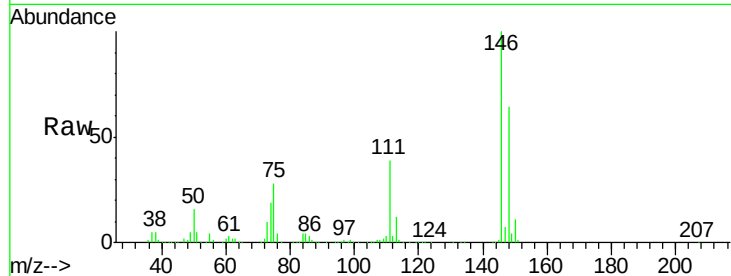
#87
 1,3-Dichlorobenzene
 Concen: 17.083 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.7
148	63.7	32.1	96.3

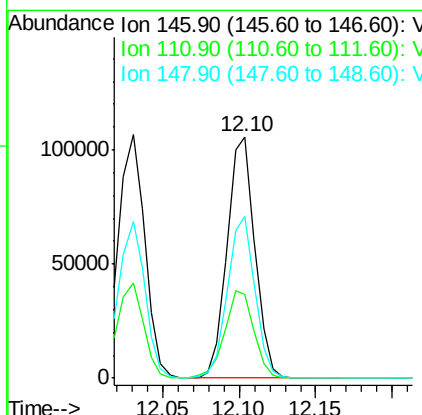
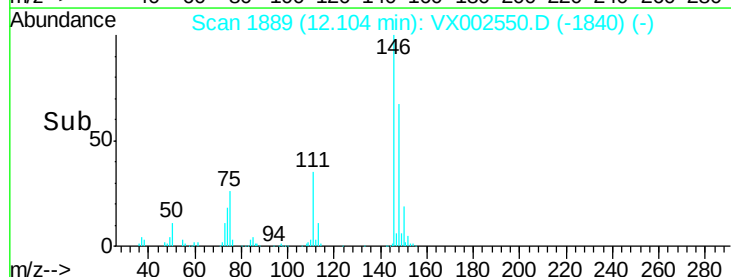
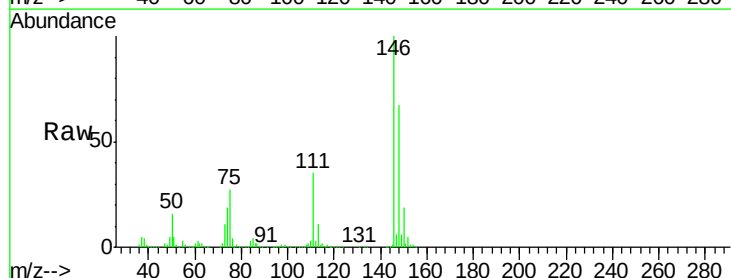
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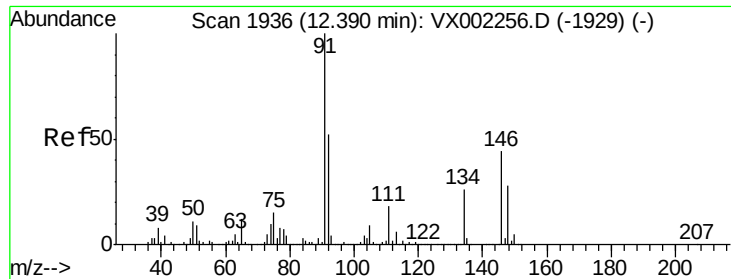
MMDadoda
 6/15/2018 1:11:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 16.811 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	66.3	32.4	97.0





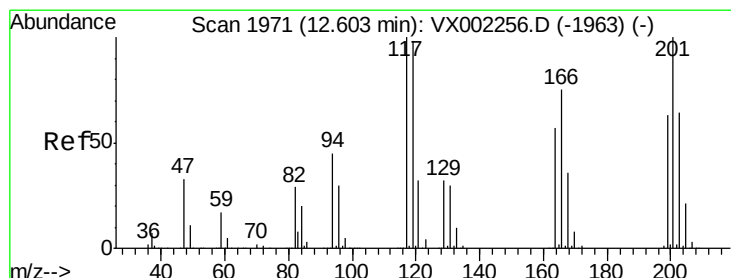
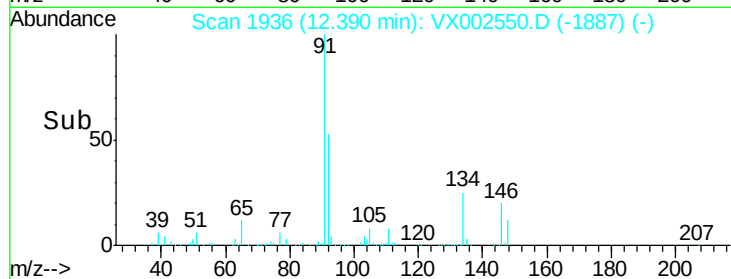
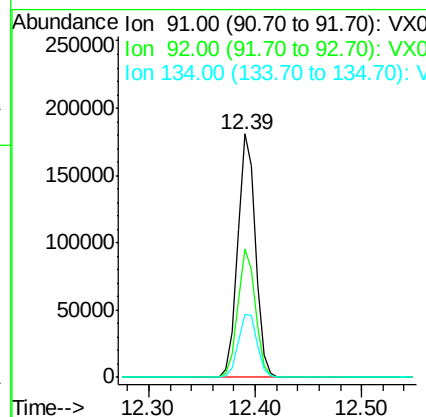
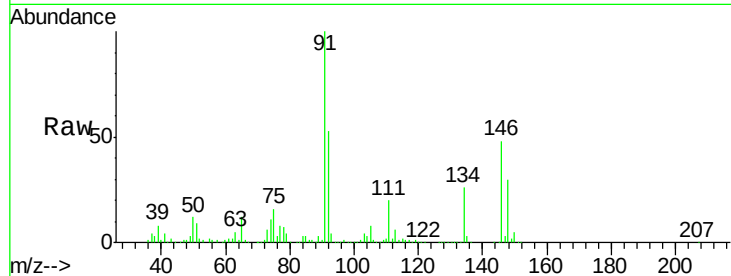
#89
n-Butylbenzene
Concen: 18.541 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	27.4	13.5	40.5

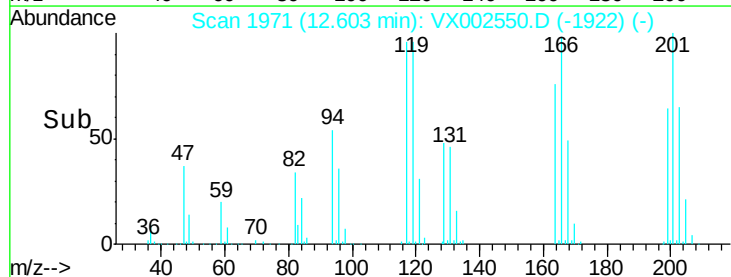
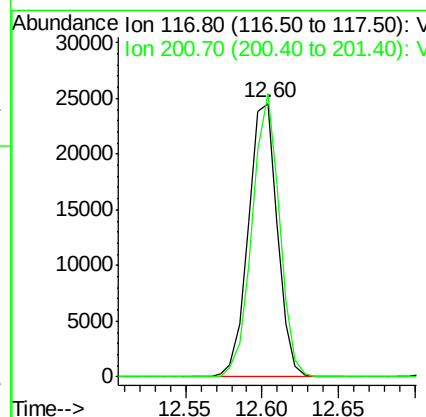
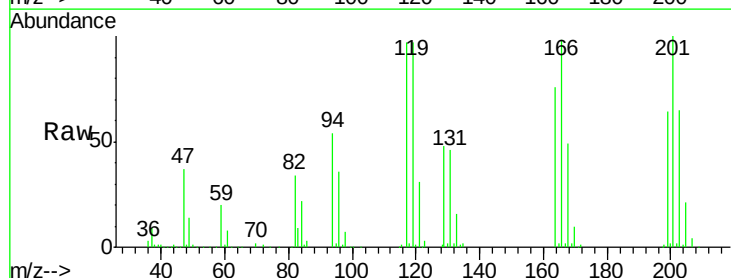
Manual Integrations
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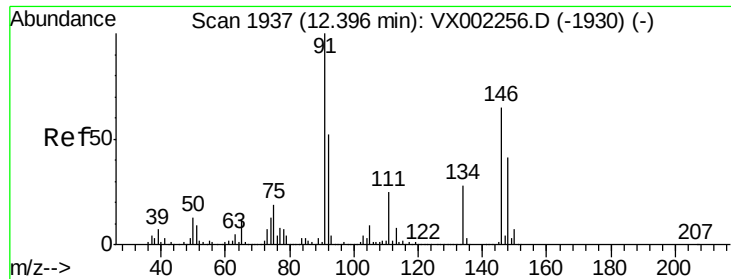
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#90
Hexachloroethane
Concen: 14.830 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002550.D
Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	49.0	147.0





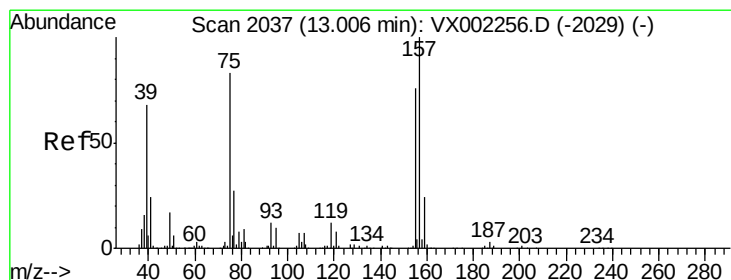
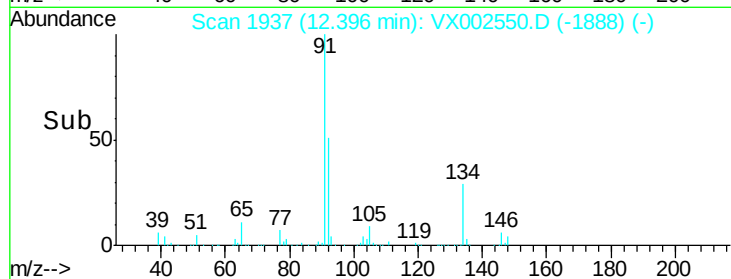
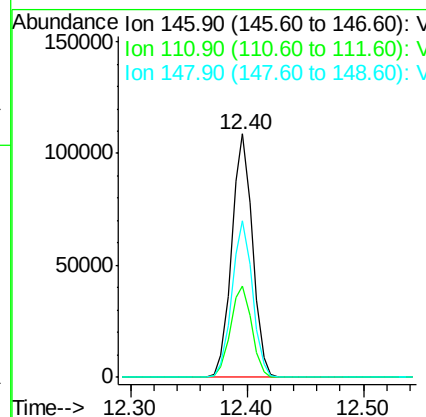
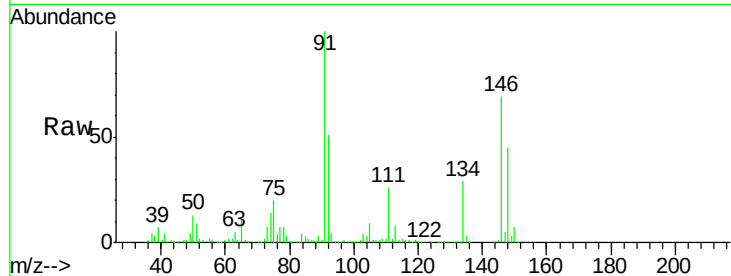
#91
 1,2-Dichlorobenzene
 Concen: 16.938 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.5	31.7	95.1

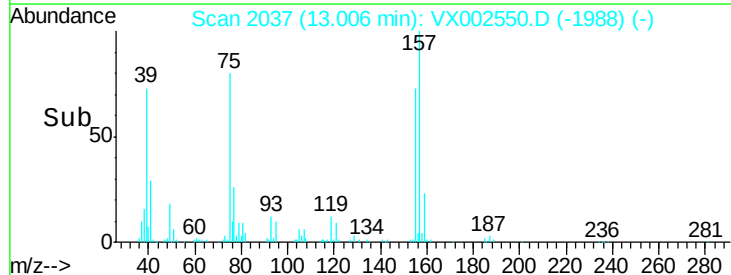
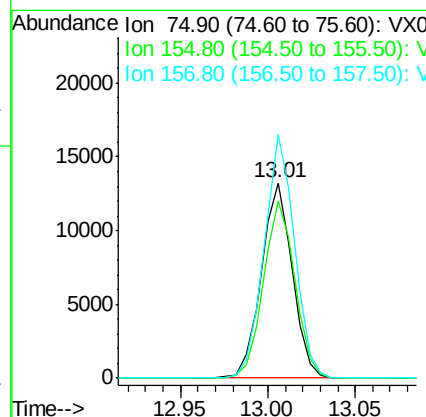
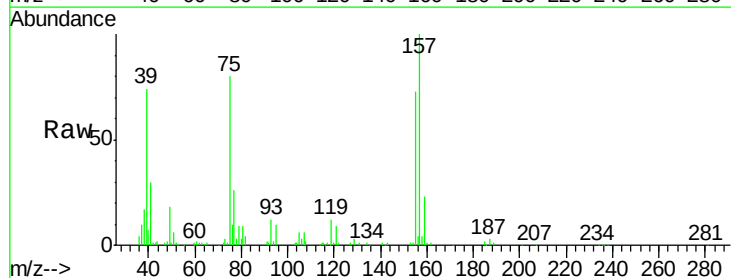
Manual Integrations
 APPROVED

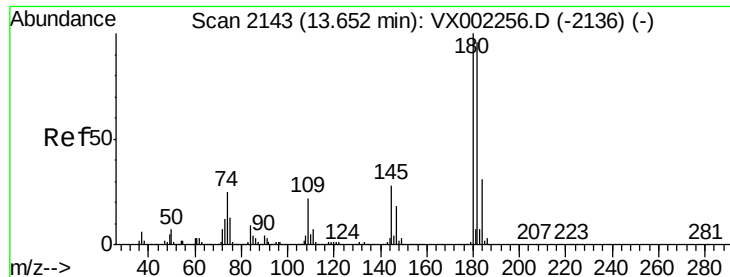
MMDadoda
 6/15/2018 1:11:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.494 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	45.8	137.4
157	122.4	60.1	180.3





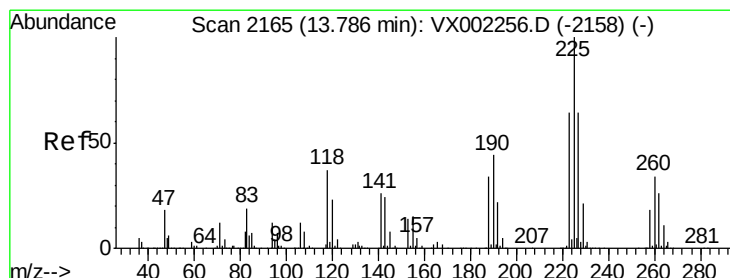
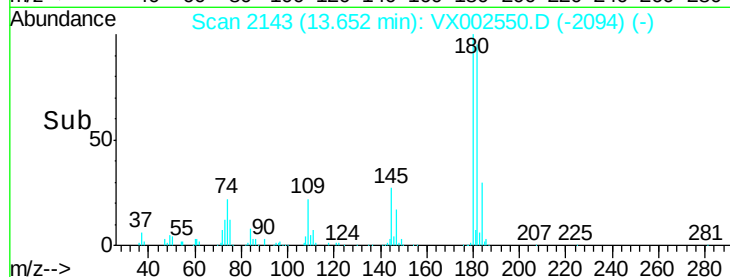
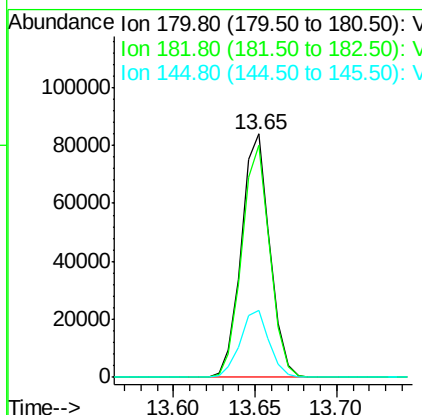
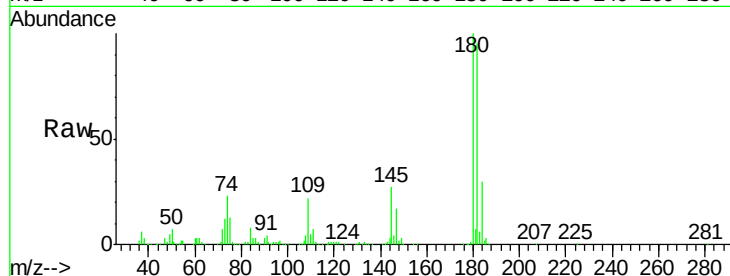
#93
 1,2,4-Trichlorobenzene
 Concen: 18.347 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102049		
182	94.4	47.7	143.1	
145	27.9	14.1	42.4	

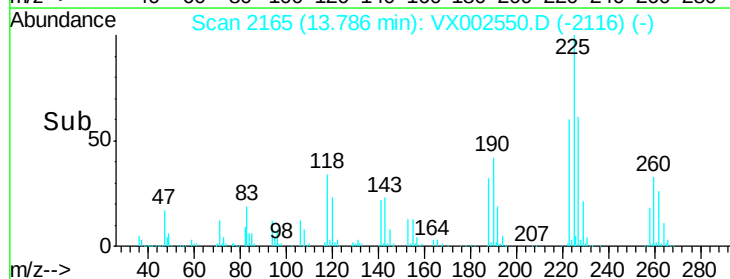
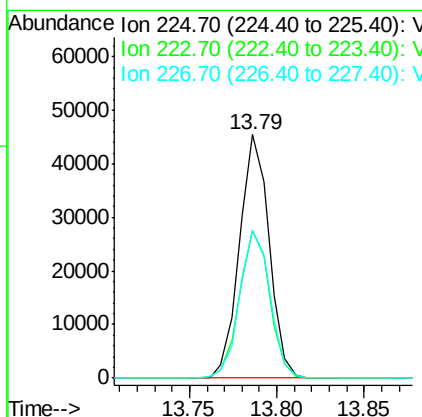
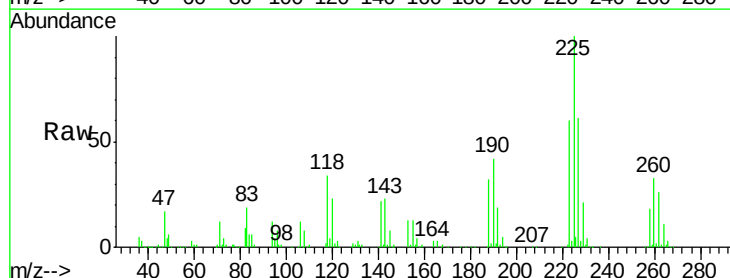
Manual Integrations
 APPROVED

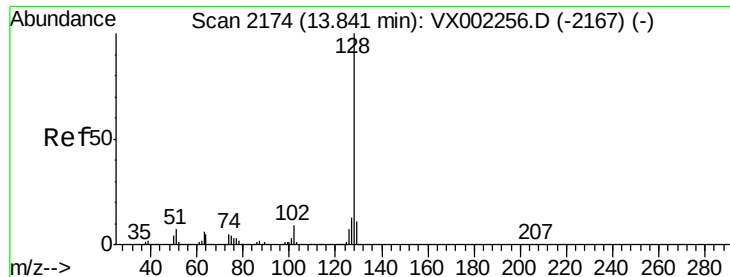
MMDadoda
 6/15/2018 1:11:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.443 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002550.D
 Acq: 14 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53440		
223	61.8	31.6	95.0	
227	62.4	32.4	97.2	





#95

Naphthalene

Concen: 17.567 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Instrument :

MSVOA_X

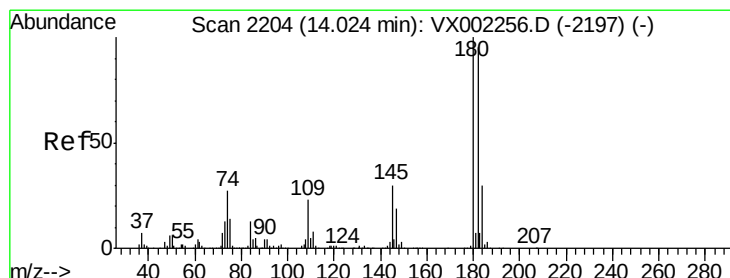
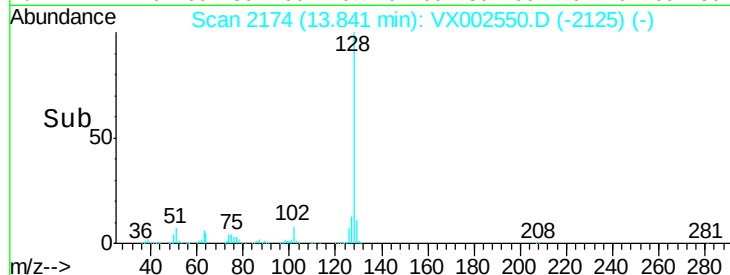
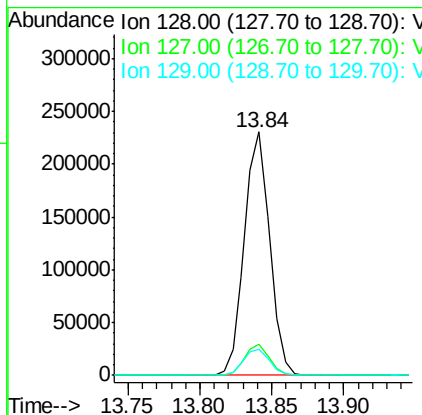
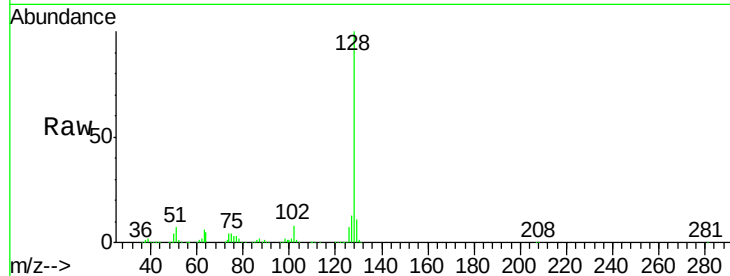
ClientSampleId :

VX0614WBSD01

Tot Ion:	128	Resp:	280733
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:11:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.018 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002550.D

Acq: 14 Jun 2018 14:35

Tgt Ion:	180	Resp:	102209
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.0
145	29.8	14.8	44.3

