

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002258.D
 Acq On : 04 Jun 2018 12:19
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:03 PM

Quant Time: Jun 05 03:10:59 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	288502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	636189	130.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.18%	
35) Dibromofluoromethane	5.51	113	509500	145.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.30%	
50) Toluene-d8	8.72	98	1974509	146.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.52%	
62) 4-Bromofluorobenzene	11.14	95	815054	157.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	488025	149.31	ug/l	99
3) Chloromethane	1.32	50	530859	123.43	ug/l	99
4) Vinyl Chloride	1.41	62	565697	137.33	ug/l	99
5) Bromomethane	1.64	94	332759	101.63	ug/l	97
6) Chloroethane	1.70	64	324021	121.60	ug/l	99
7) Trichlorofluoromethane	1.92	101	891270	142.01	ug/l	98
8) Diethyl Ether	2.19	74	320506	125.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	490563	144.84	ug/l	99
10) Methyl Iodide	2.51	142	711439	149.34	ug/l	99
11) Tert butyl alcohol	3.10	59	654577	649.69	ug/l	100
12) 1,1-Dichloroethene	2.37	96	455246	136.01	ug/l	98
13) Acrolein	2.30	56	328432	676.75	ug/l	100
14) Allyl chloride	2.73	41	943448	129.88	ug/l	99
15) Acrylonitrile	3.16	53	1397674	651.75	ug/l	100
16) Acetone	2.46	43	1354211	602.32	ug/l	99
17) Carbon Disulfide	2.56	76	1281114	145.22	ug/l	98
18) Methyl Acetate	2.78	43	646474	121.88	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1676970	126.48	ug/l	99
20) Methylene Chloride	2.85	84	509362	114.01	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	486994	131.94	ug/l	99
22) Diisopropyl ether	3.88	45	1772040	130.74	ug/l	99
23) Vinyl Acetate	3.83	43	7756208	658.68	ug/l	99
24) 1,1-Dichloroethane	3.70	63	932399	129.87	ug/l	100
25) 2-Butanone	4.72	43	2011776	652.58	ug/l	99
26) 2,2-Dichloropropane	4.59	77	764119	136.16	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	532391	132.63	ug/l	95
28) Bromochloromethane	5.03	49	425613	122.43	ug/l	97
29) Tetrahydrofuran	5.17	42	1307151	657.65	ug/l	99
30) Chloroform	5.22	83	936669	135.21	ug/l	98
31) Cyclohexane	5.57	56	831984	146.55	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	857071	145.88	ug/l	99
36) 1,1-Dichloropropene	5.81	75	700379	149.26	ug/l	100
37) Ethyl Acetate	4.87	43	804309	142.53	ug/l	99
38) Carbon Tetrachloride	5.79	117	776230	158.12	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	860081	160.82	ug/l	98
40) Benzene	6.15	78	2050710	142.53	ug/l	100
41) Methacrylonitrile	5.07	41	461149	142.75	ug/l	99
42) 1,2-Dichloroethane	6.20	62	787220	137.71	ug/l	100
43) Isopropyl Acetate	6.48	43	1389349	144.95	ug/l	100
44) Trichloroethene	7.21	130	595394	149.10	ug/l	97
45) 1,2-Dichloropropane	7.52	63	543060	139.81	ug/l	100
46) Dibromomethane	7.67	93	368241	139.85	ug/l	99
47) Bromodichloromethane	7.90	83	737230	154.81	ug/l	99
48) Methyl methacrylate	7.79	41	718878	149.31	ug/l	99
49) 1,4-Dioxane	7.76	88	262521	2916.17	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	4419586	740.42	ug/l	99
52) Toluene	8.79	92	1367370	149.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	898664	157.36	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	880567	163.43	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	549294	145.95	ug/l	100
56) Ethyl methacrylate	9.19	69	915094	152.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	904003	143.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2079883	747.86	ug/l	99
59) 2-Hexanone	9.51	43	3449814	748.25	ug/l	99
60) Dibromochloromethane	9.59	129	649529	171.58	ug/l	100
61) 1,2-Dibromoethane	9.68	107	593102	151.14	ug/l	100
64) Tetrachloroethene	9.34	164	652379	144.68	ug/l	99
65) Chlorobenzene	10.15	112	1587888	145.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	608323	154.43	ug/l	99
67) Ethyl Benzene	10.26	91	2718262	149.30	ug/l	99
68) m/p-Xylenes	10.37	106	2138011	302.10	ug/l	98
69) o-Xylene	10.71	106	1058553	150.30	ug/l	99
70) Styrene	10.72	104	1816541	157.77	ug/l	100
71) Bromoform	10.87	173	568395	182.01	ug/l	99
73) Isopropylbenzene	11.02	105	2865794	142.79	ug/l	100
74) N-amyl acetate	6.48	43	1389349	128.48	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	856563	135.70	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	859097m	148.45	ug/l	
77) Bromobenzene	11.26	156	792111	140.59	ug/l	99
78) n-propylbenzene	11.37	91	3299283	147.90	ug/l	99
79) 2-Chlorotoluene	11.43	91	1960398	139.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	2492985	144.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	299542	165.86	ug/l	96
82) 4-Chlorotoluene	11.52	91	2365006	145.47	ug/l	100
83) tert-Butylbenzene	11.77	119	2494017	148.78	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	2562557	144.61	ug/l	99
85) sec-Butylbenzene	11.95	105	2990427	152.17	ug/l	99
86) p-Isopropyltoluene	12.07	119	2736672	152.89	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1460261	144.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1485808	143.09	ug/l	99
89) n-Butylbenzene	12.40	91	2476484	164.96	ug/l	99
90) Hexachloroethane	12.60	117	479685	167.88	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1466645	140.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	213870	154.94	ug/l	99

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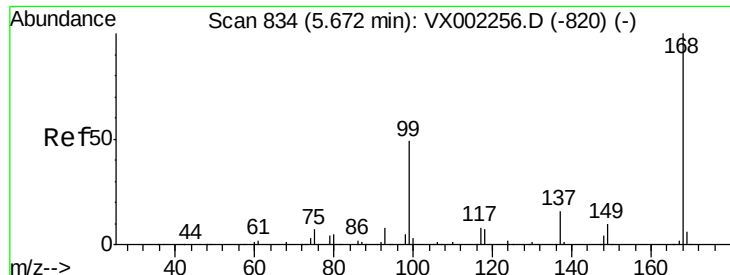
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1129439	154.53	ug/l	100
94) Hexachlorobutadiene	13.79	225	595112	164.78	ug/l	99
95) Naphthalene	13.84	128	3078359	146.59	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1116504	149.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 314413

Ion Ratio Lower Upper

168 100

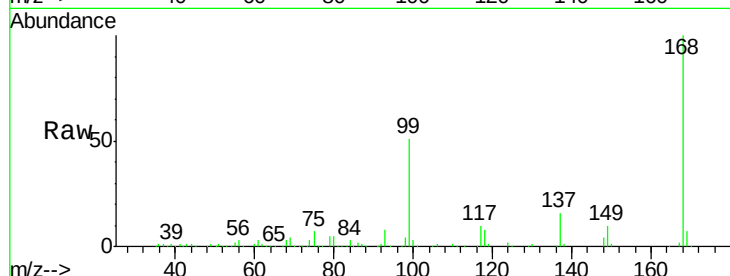
99 50.5 39.3 58.9

Manual Integrations

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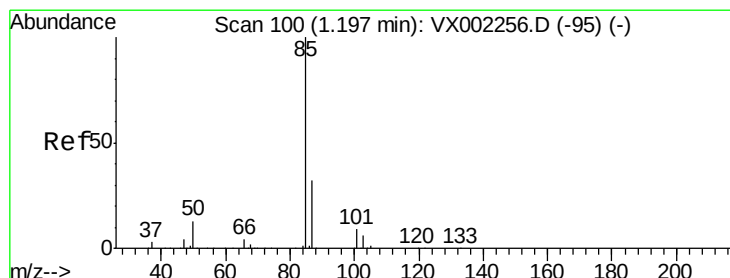
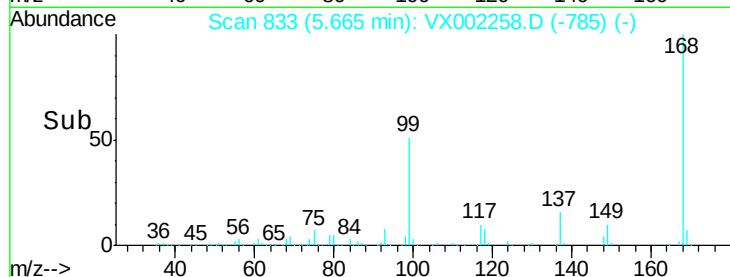
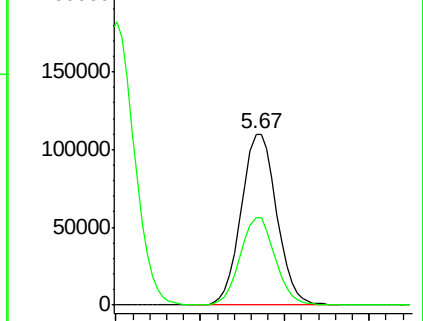
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 149.31 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002258.D

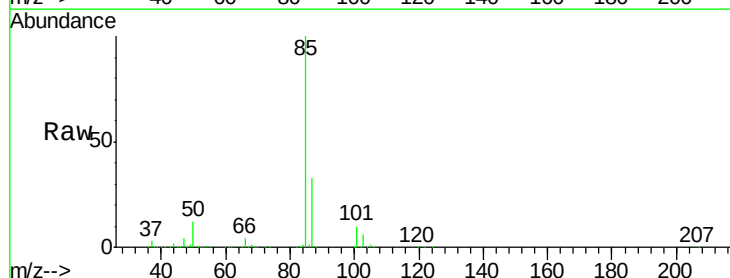
Acq: 04 Jun 2018 12:19

Tgt Ion: 85 Resp: 488025

Ion Ratio Lower Upper

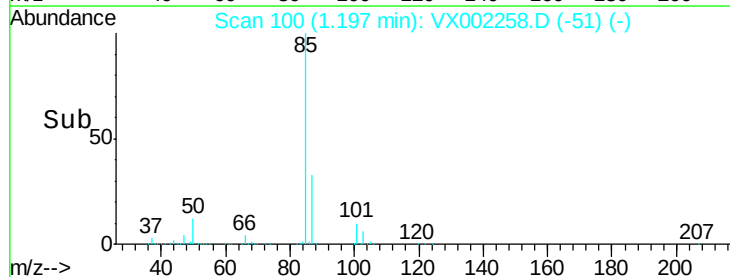
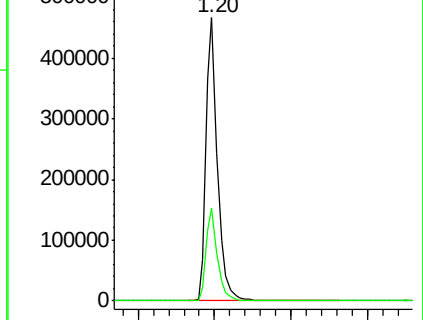
85 100

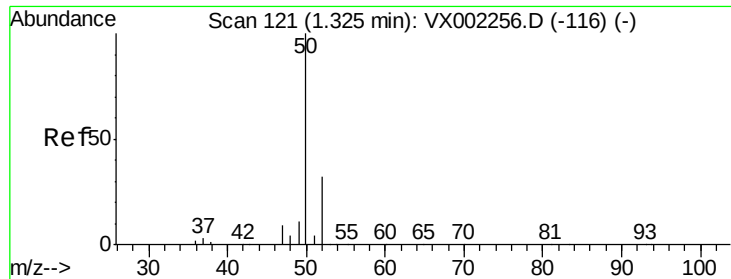
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 123.43 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 530859

Ion Ratio Lower Upper

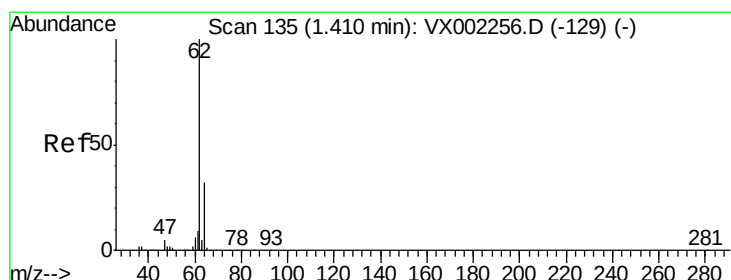
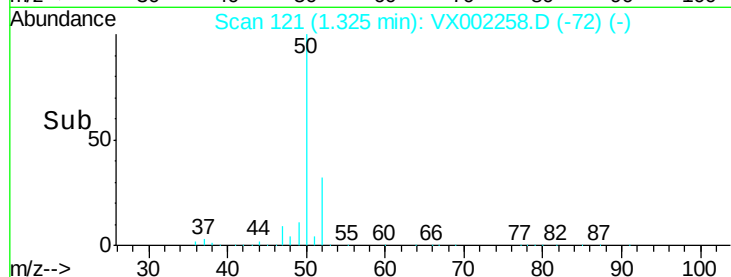
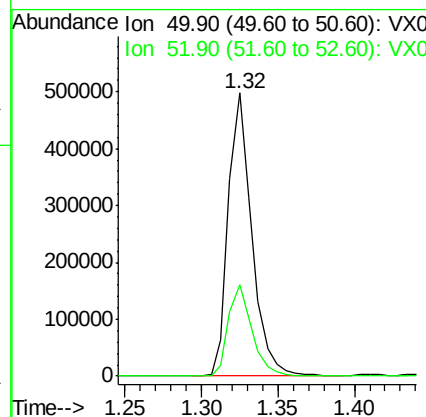
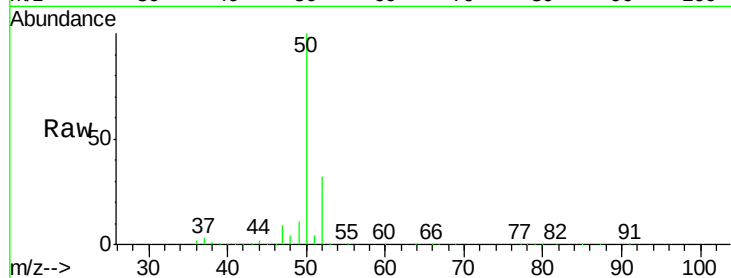
50 100

52 32.5 25.7 38.5

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#4

Vinyl Chloride

Concen: 137.33 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002258.D

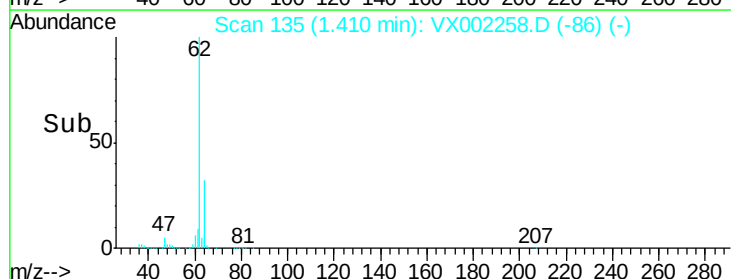
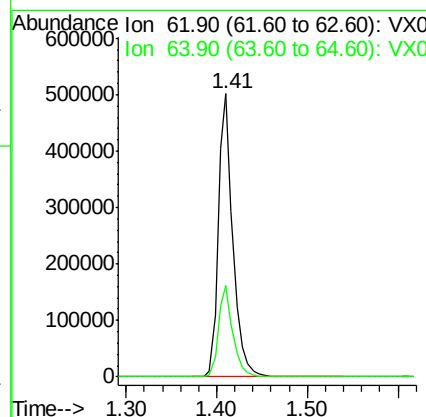
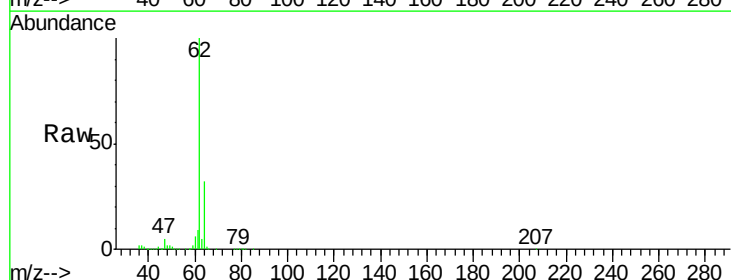
Acq: 04 Jun 2018 12:19

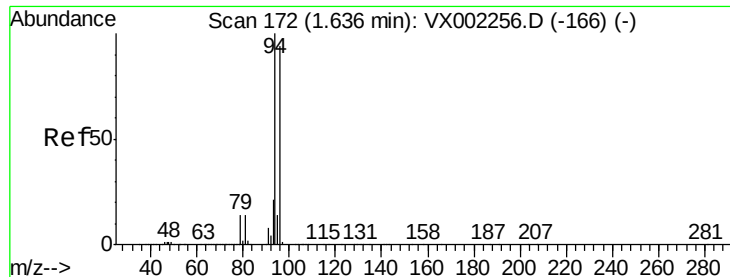
Tgt Ion: 62 Resp: 565697

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 101.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 332759

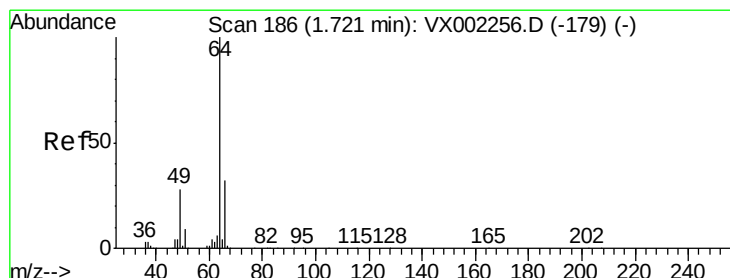
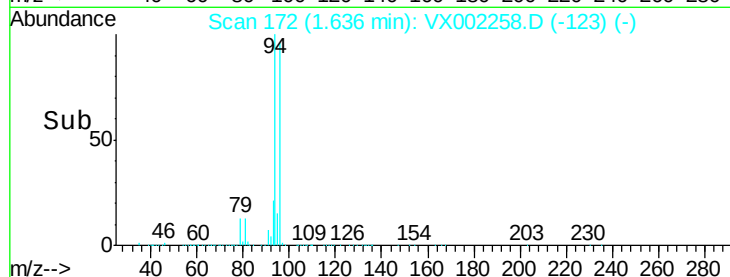
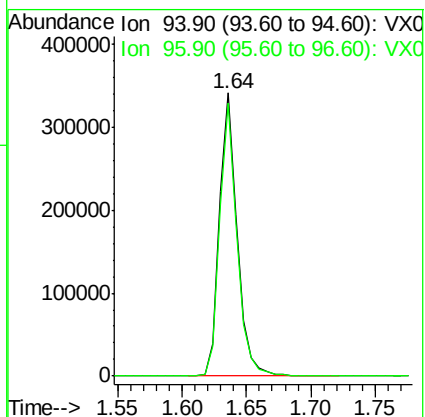
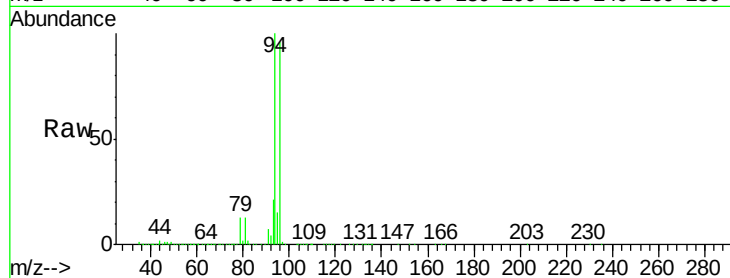
Ion Ratio Lower Upper

94 100

96 96.3 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 121.60 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX002258.D

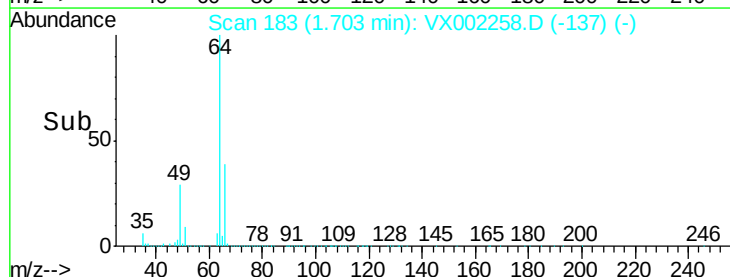
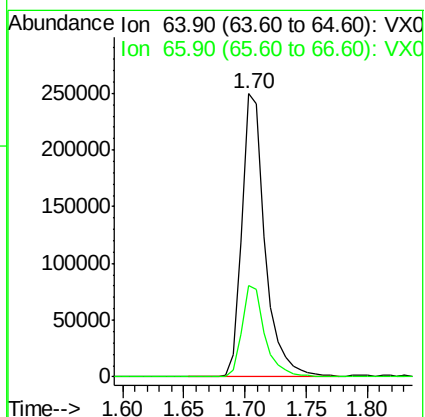
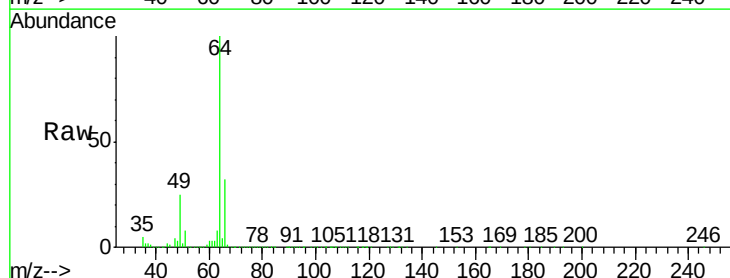
Acq: 04 Jun 2018 12:19

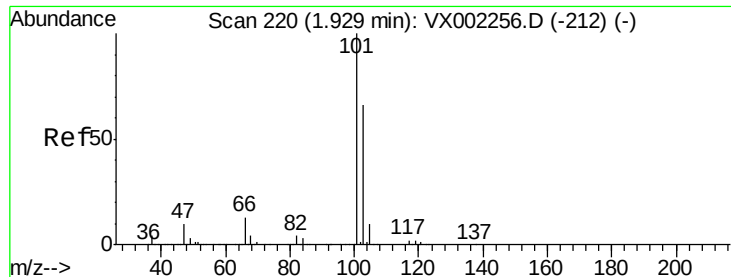
Tgt Ion: 64 Resp: 324021

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

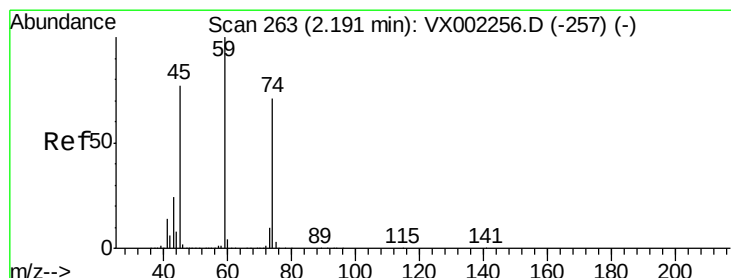
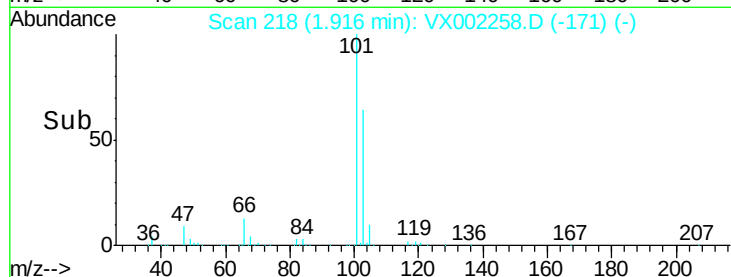
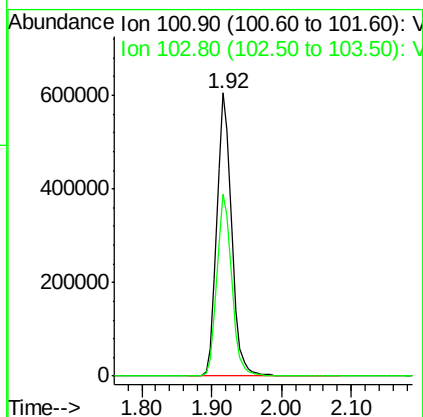
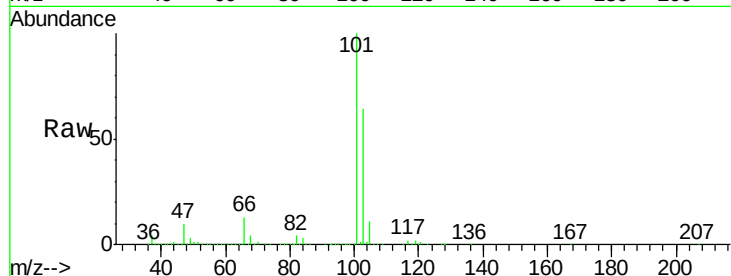
Trichlorofluoromethane
 Concen: 142.01 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

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 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	891270		
103	64.4	52.8	79.2	

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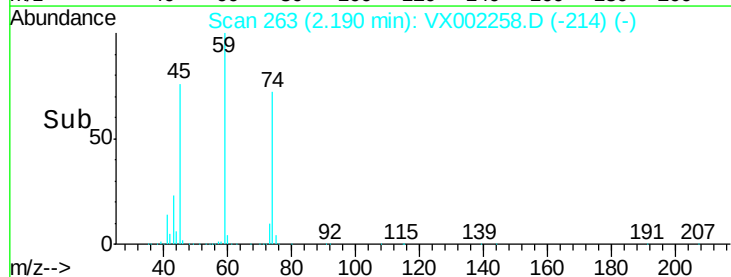
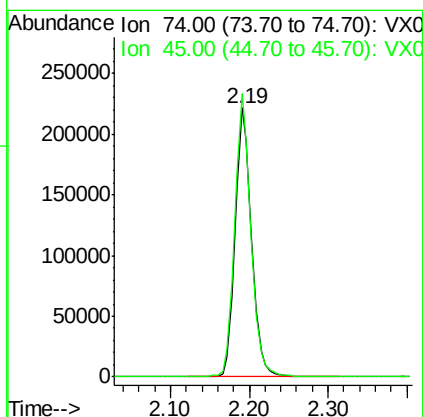
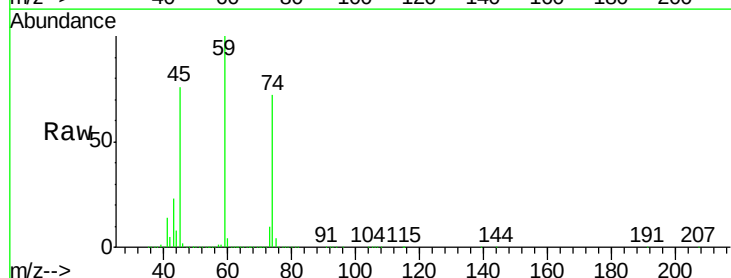
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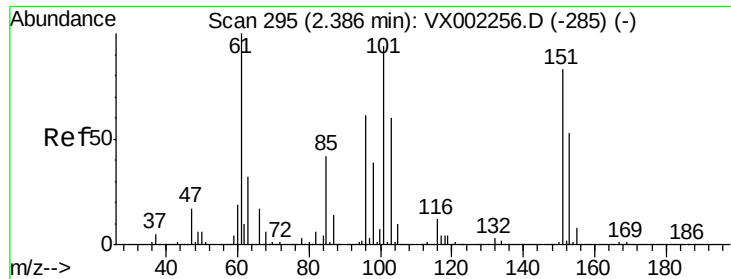


#8

Diethyl Ether
 Concen: 125.37 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	320506		
45	104.0	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.84 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

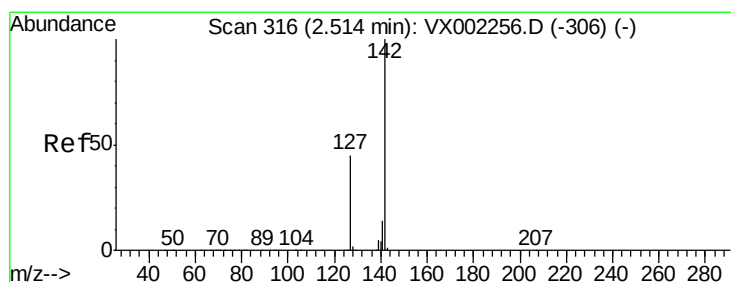
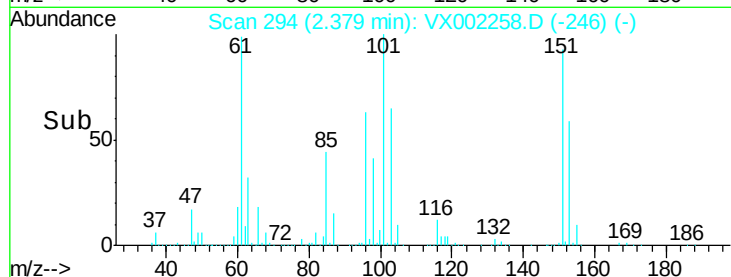
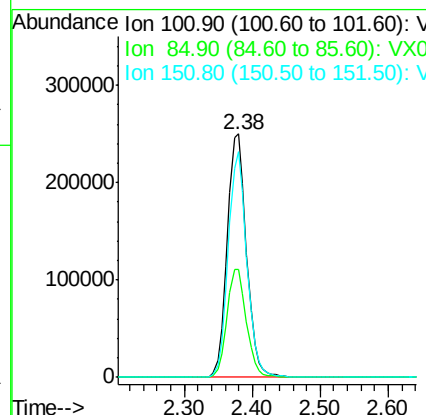
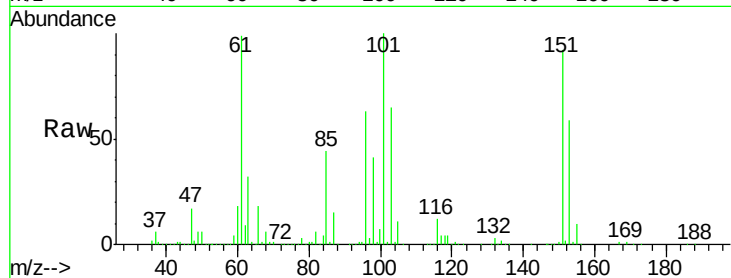
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	490563
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	89.9	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 149.34 ug/l

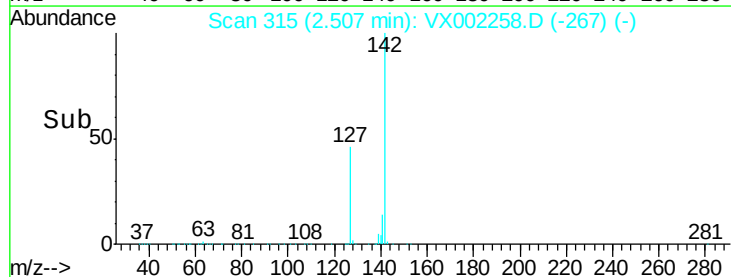
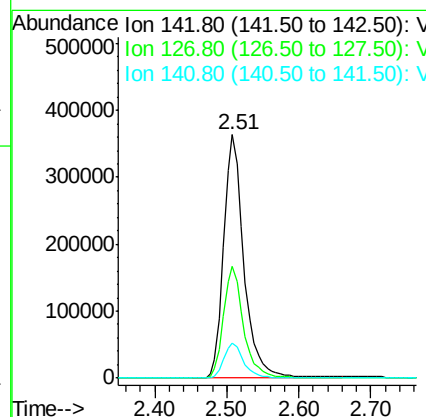
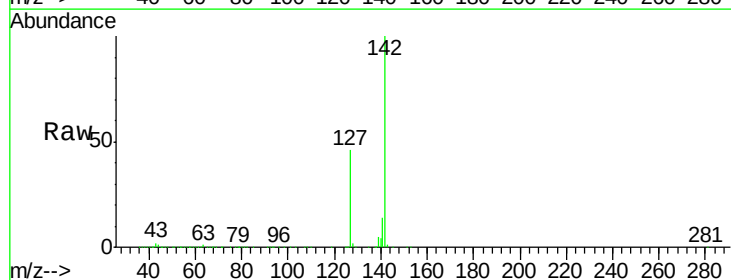
RT: 2.51 min Scan# 315

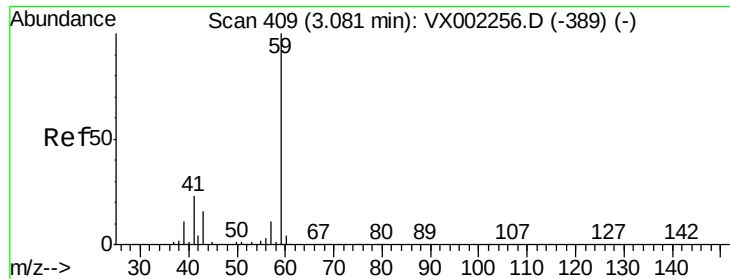
Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	142	Resp:	711439
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.6	55.0
141	14.2	11.3	16.9





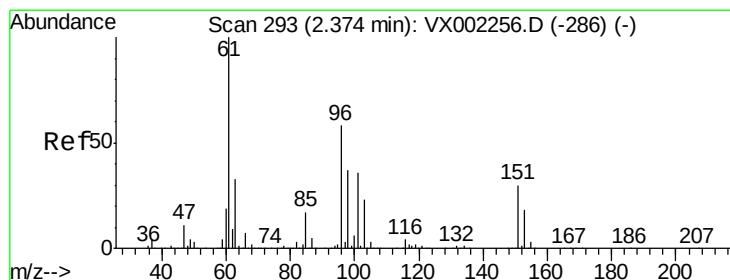
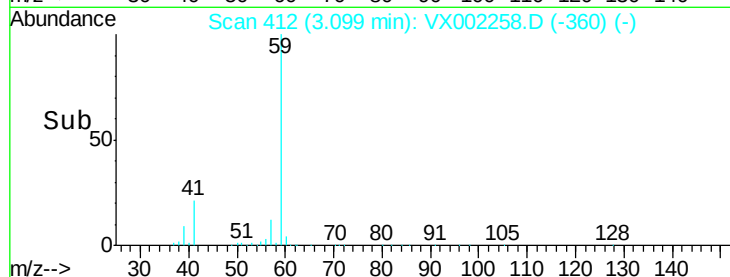
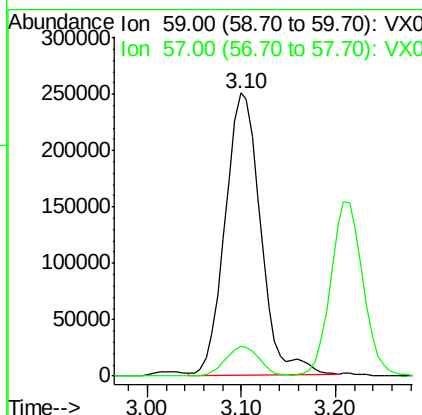
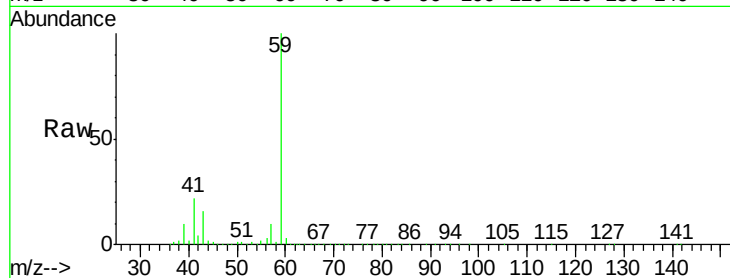
#11
Tert butyl alcohol
Concen: 649.69 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 654577
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

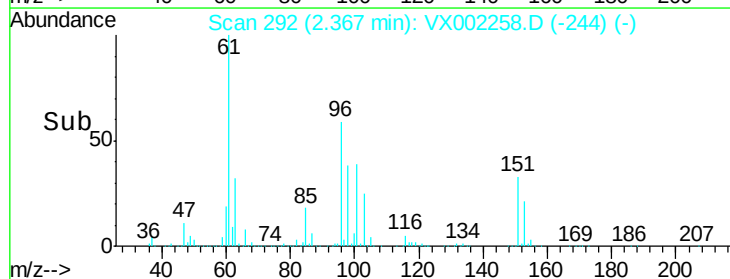
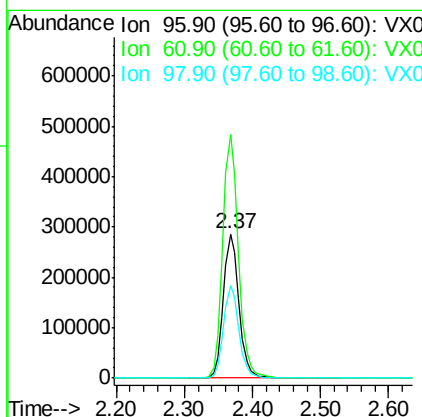
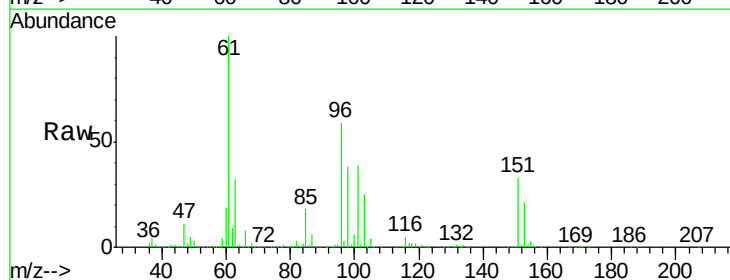
Manual Integrations
APPROVED

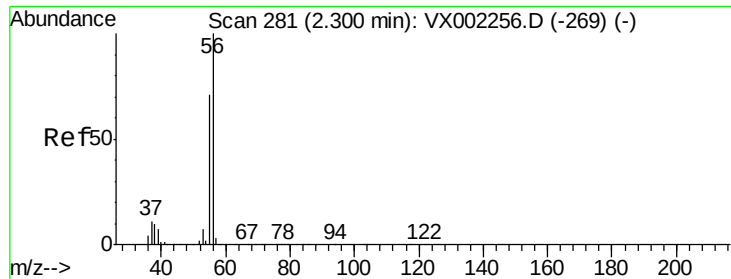
MMDadoda
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#12
1,1-Dichloroethene
Concen: 136.01 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion: 96 Resp: 455246
Ion Ratio Lower Upper
96 100
61 168.8 137.9 206.9
98 64.2 51.6 77.4





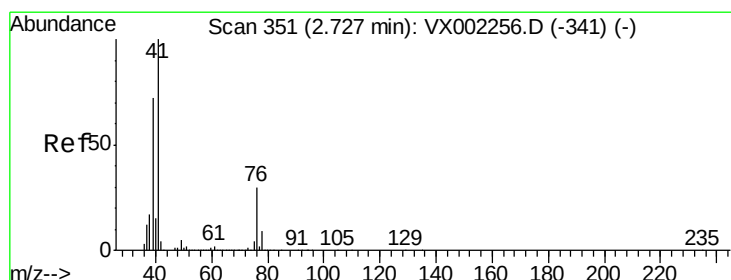
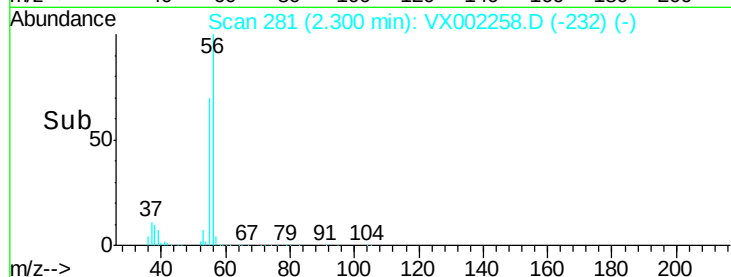
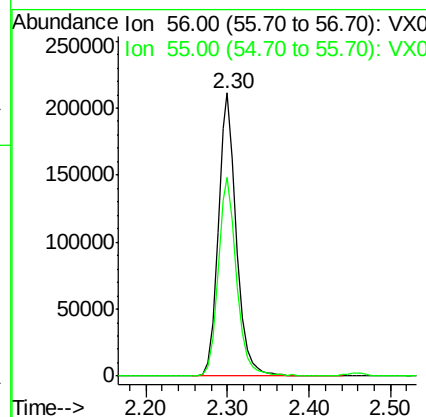
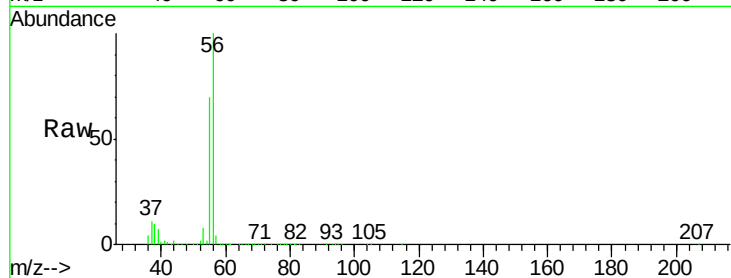
#13
Acrolein
Concen: 676.75 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	57.0	85.4

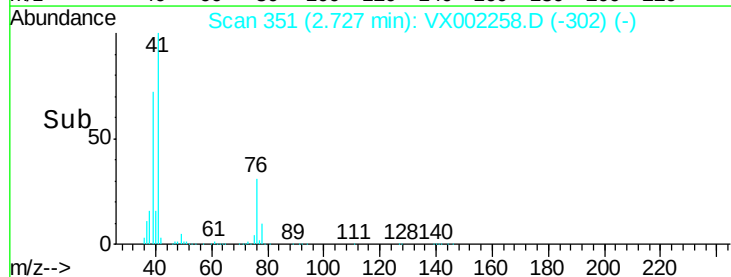
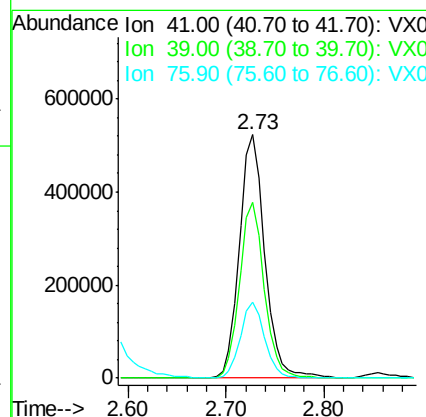
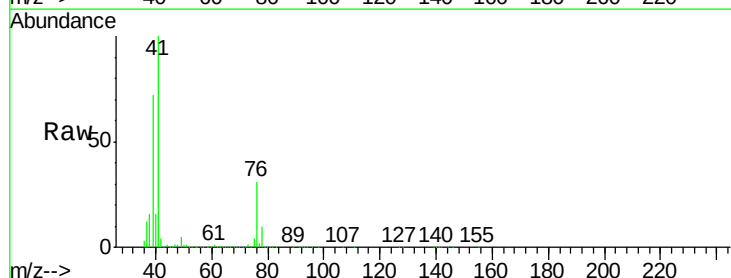
Manual Integrations
APPROVED

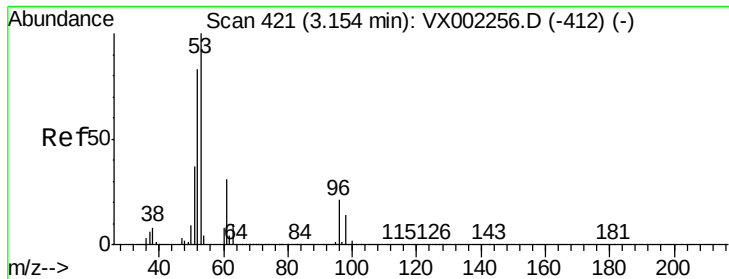
MMDadoda
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#14
Allyl chloride
Concen: 129.88 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.3	56.8	85.2
76	30.2	23.8	35.8





#15

Acrylonitrile

Concen: 651.75 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 1397674

Ion Ratio Lower Upper

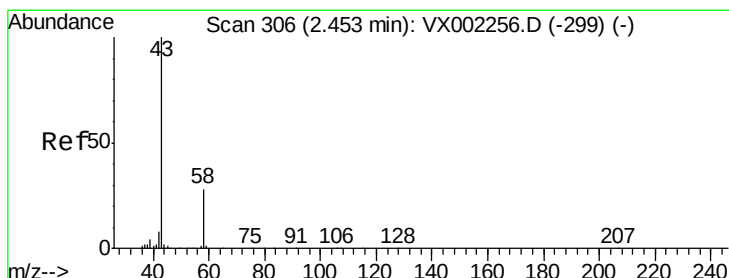
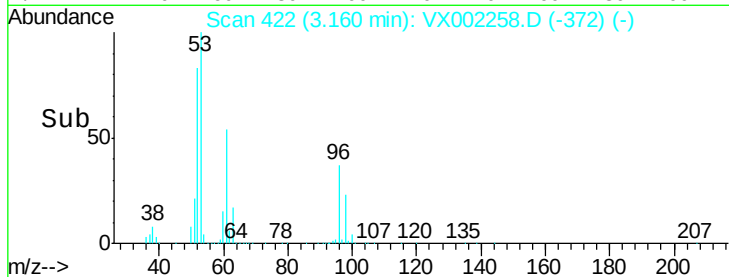
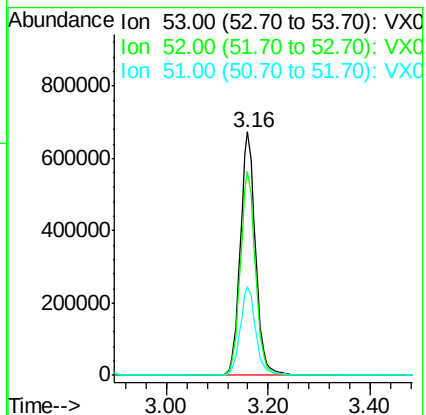
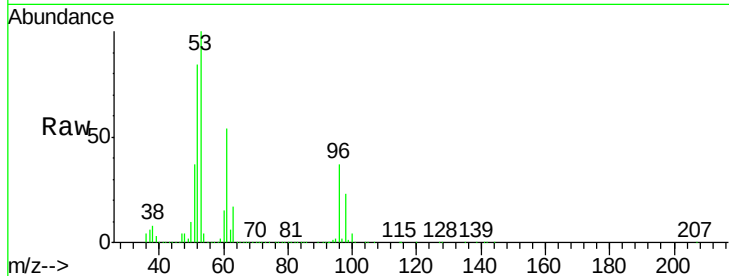
53 100

52 83.0 66.7 100.1

51 37.3 29.9 44.9

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 602.32 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX002258.D

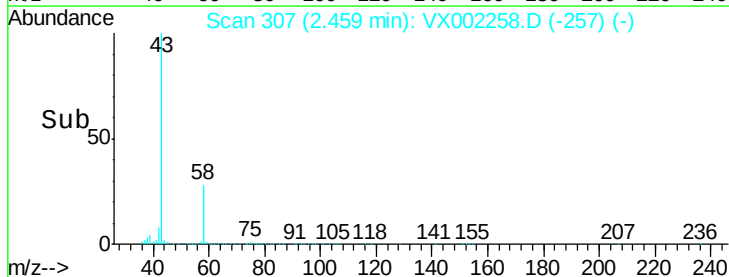
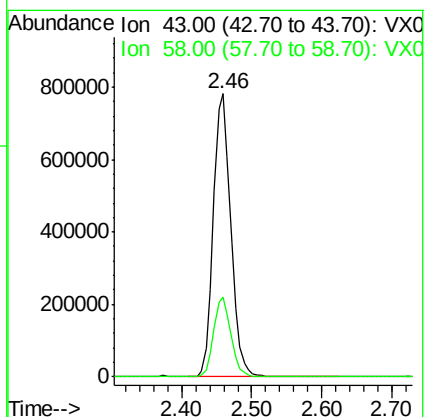
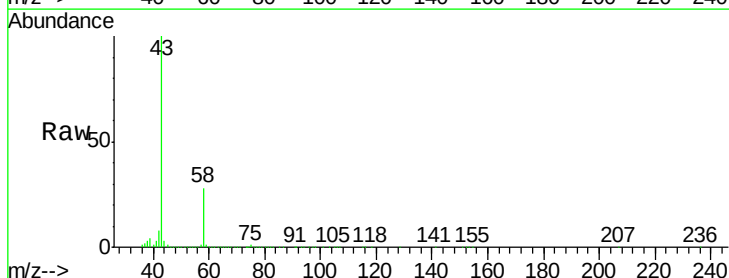
Acq: 04 Jun 2018 12:19

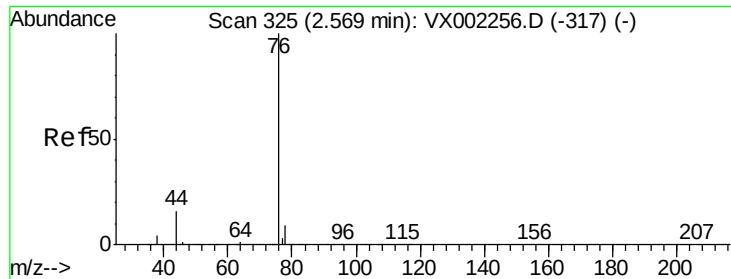
Tgt Ion: 43 Resp: 1354211

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1





#17

Carbon Disulfide

Concen: 145.22 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tot Ion: 76 Resp: 1281114

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3

Instrument :

MSVOA_X

ClientSampleId :

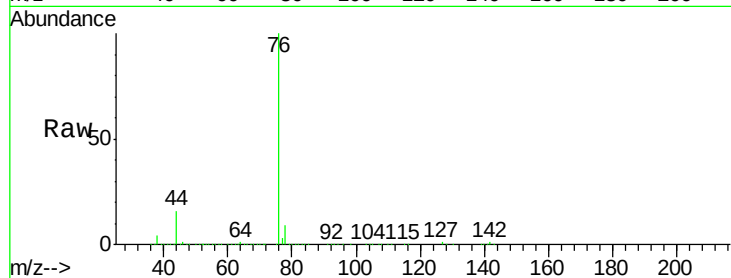
VSTDIC150

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800000

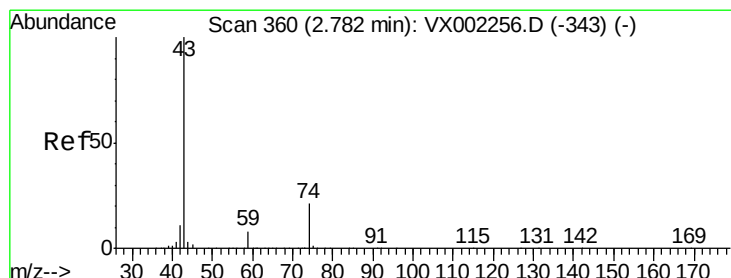
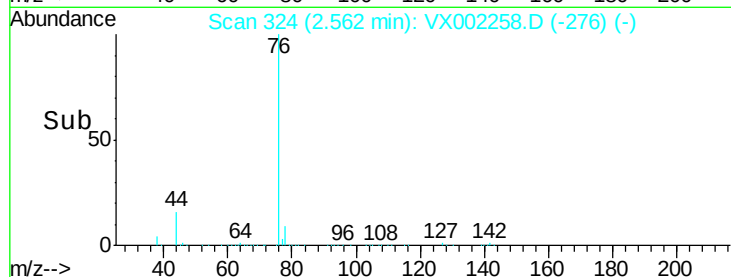
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 121.88 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002258.D

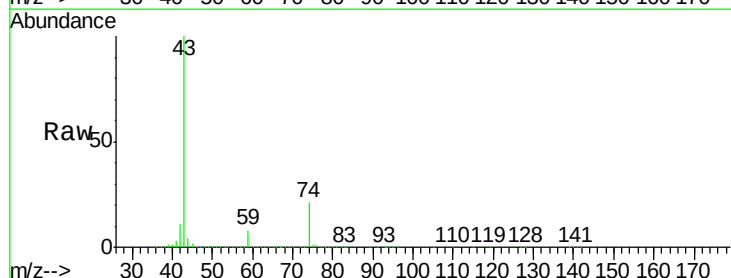
Acq: 04 Jun 2018 12:19

Tgt Ion: 43 Resp: 646474

Ion Ratio Lower Upper

43 100

74 21.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400000

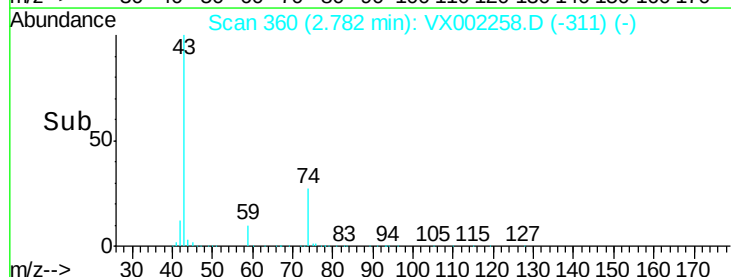
300000

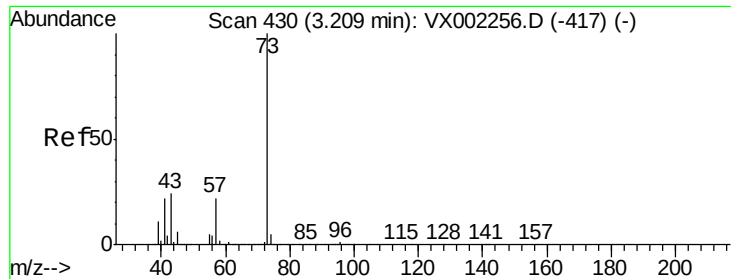
200000

100000

0

Time-->





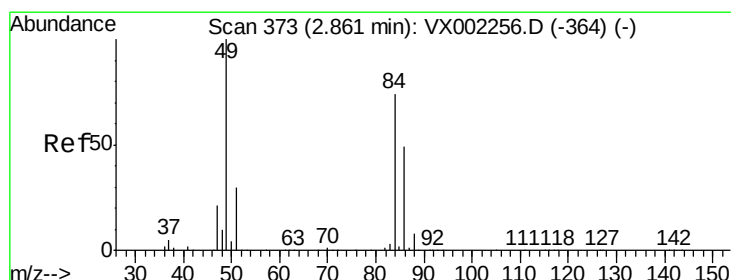
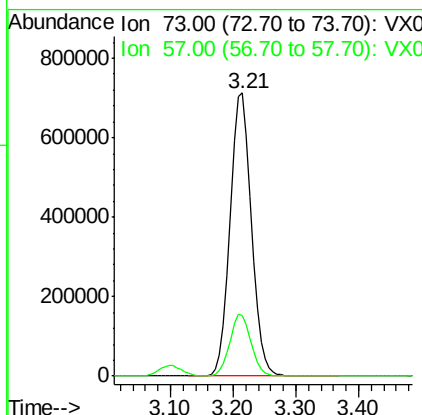
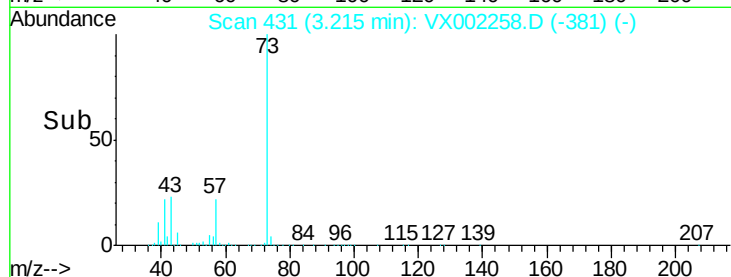
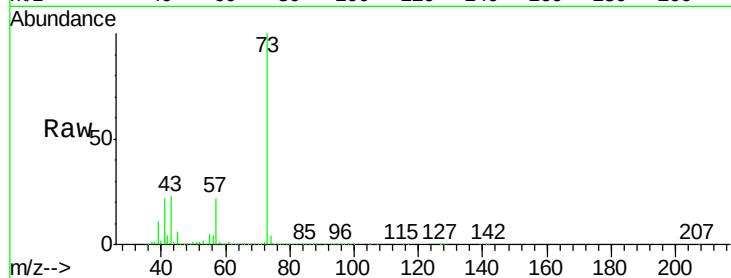
#19
Methyl tert-butyl Ether
Concen: 126.48 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1676970
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

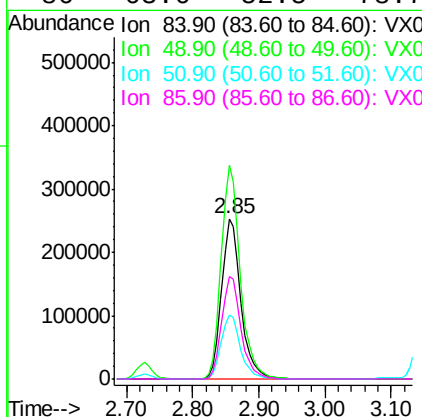
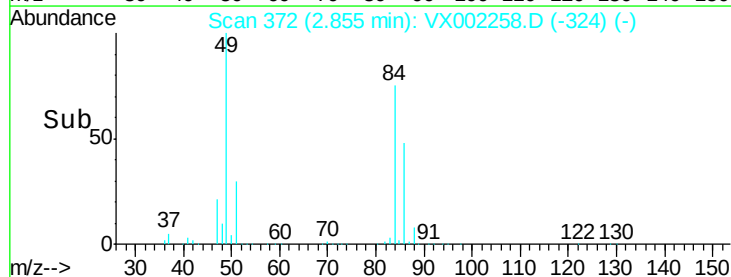
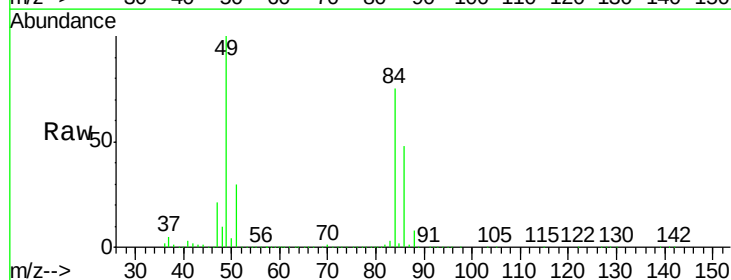
Manual Integrations
APPROVED

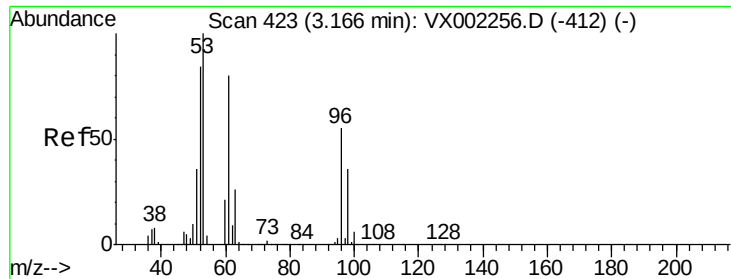
MMDadoda
6/5/2018 5:56:03 PM



#20
Methylene Chloride
Concen: 114.01 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion: 84 Resp: 509362
Ion Ratio Lower Upper
84 100
49 133.4 107.8 161.6
51 40.3 32.8 49.2
86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 131.94 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

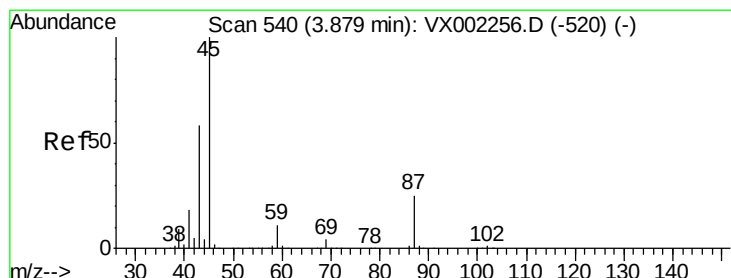
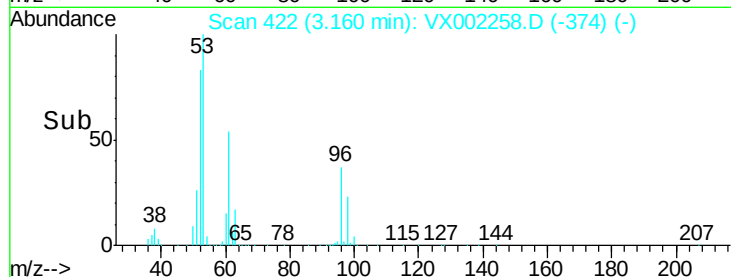
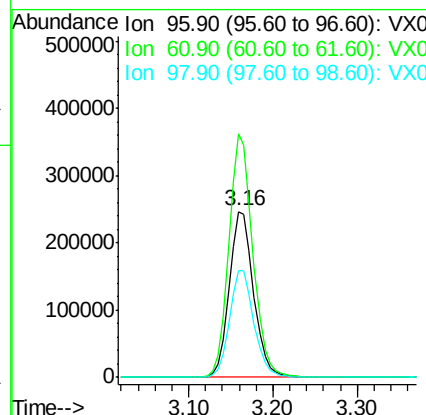
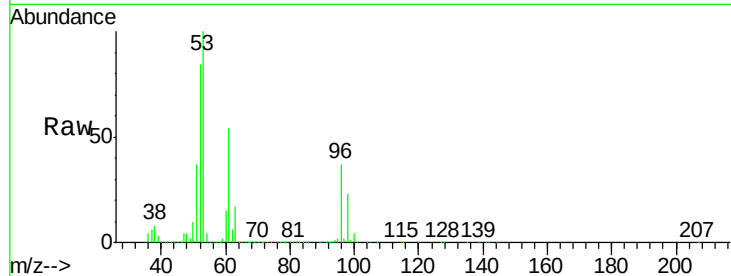
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	486994
Ion	Ratio	Lower	Upper
96	100		
61	146.7	117.0	175.4
98	64.0	52.4	78.6

Manual Integrations
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6/5/2018 5:56:03 PM



#22

Diisopropyl ether

Concen: 130.74 ug/l

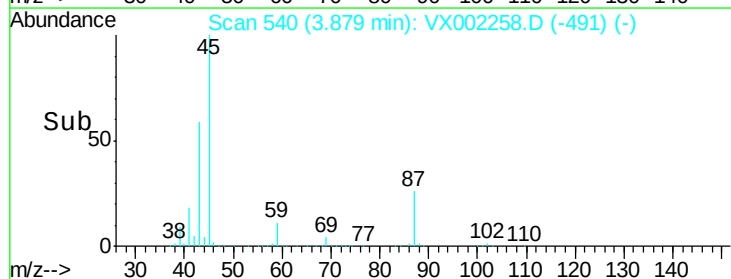
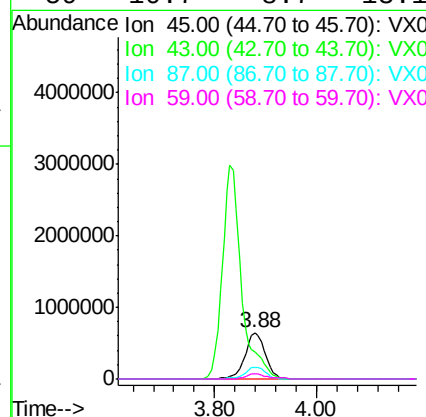
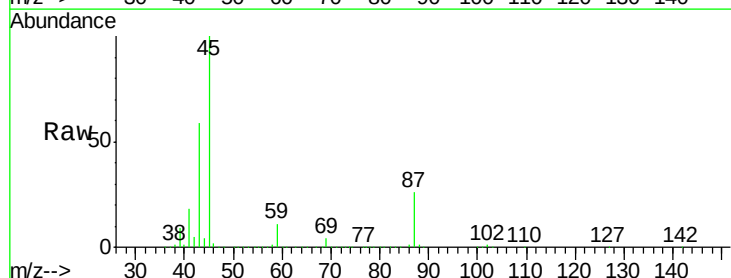
RT: 3.88 min Scan# 540

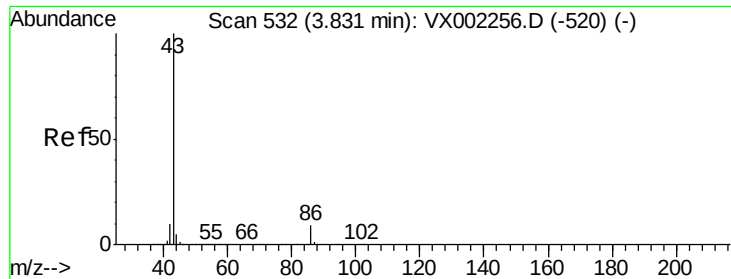
Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	45	Resp:	1772040
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.8	70.2
87	25.9	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 658.68 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 7756208

Ion Ratio Lower Upper

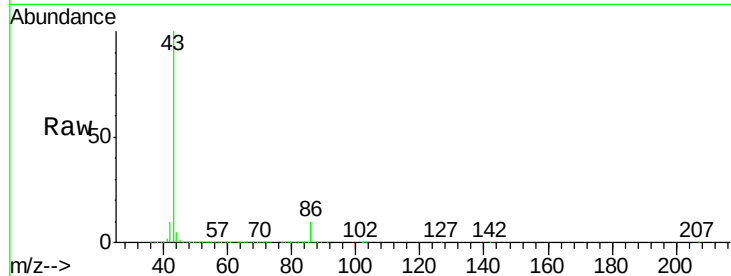
43 100

86 9.5 7.4 11.0

Manual Integrations
APPROVED

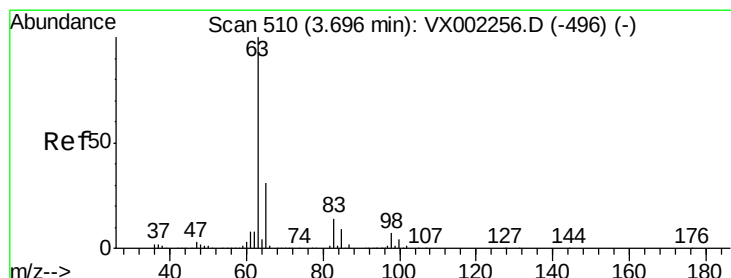
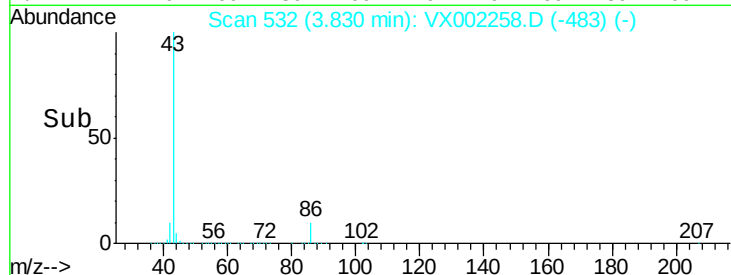
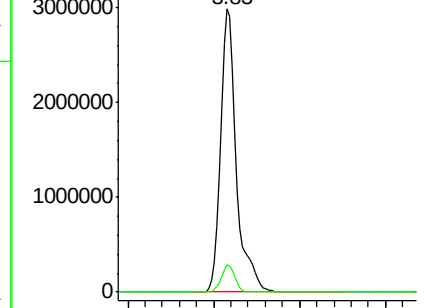
MMDadoda

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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: 129.87 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

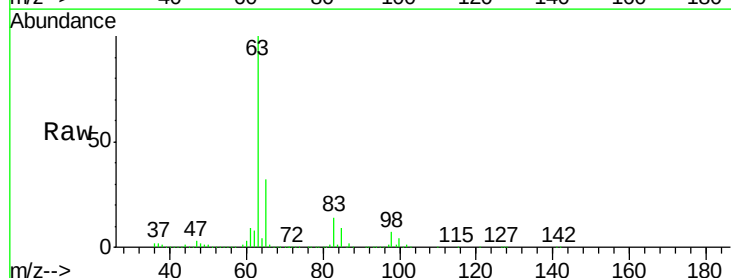
Tgt Ion: 63 Resp: 932399

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

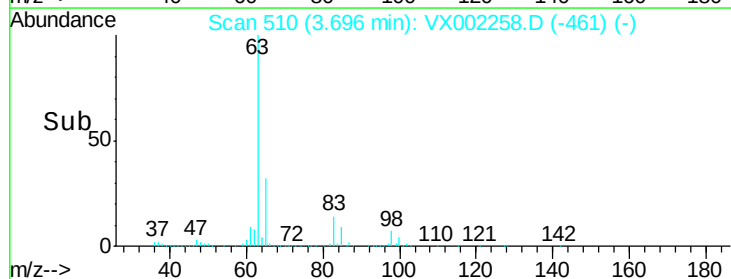
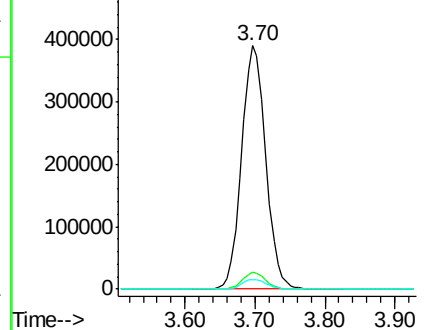
100 4.1 2.0 6.0

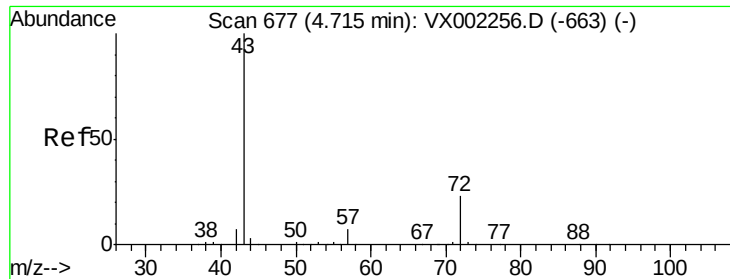


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 652.58 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2011776

Ion Ratio Lower Upper

43 100

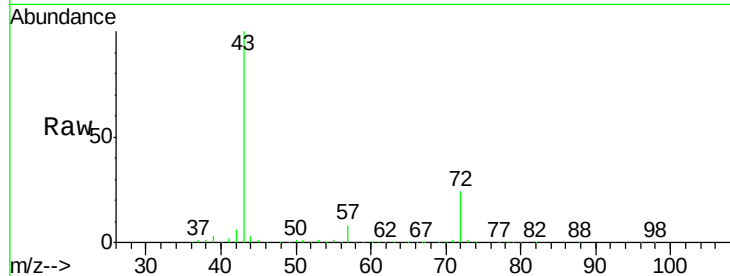
72 23.8 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

800000

600000

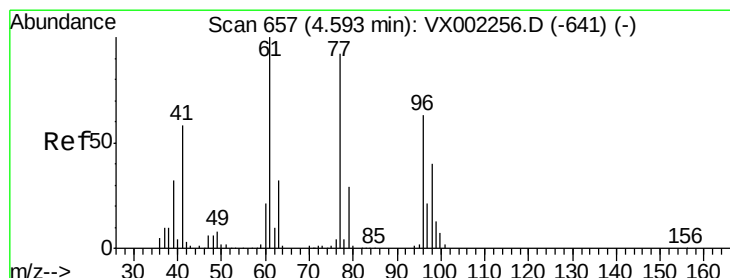
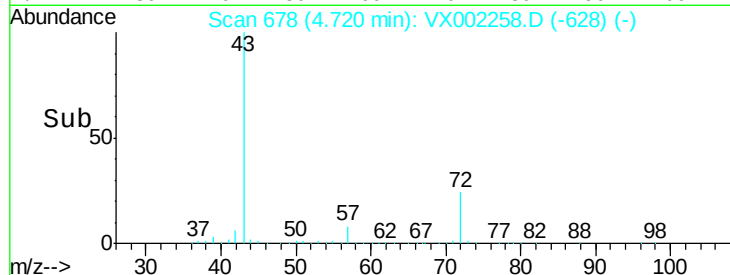
400000

200000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 136.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002258.D

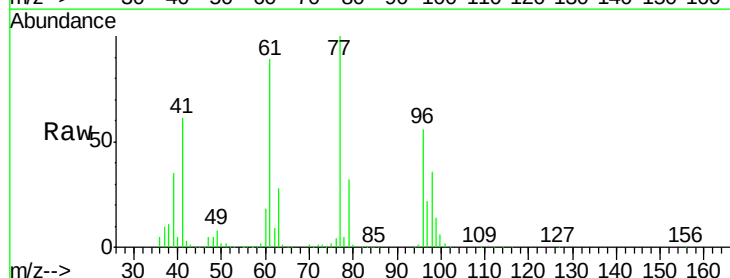
Acq: 04 Jun 2018 12:19

Tgt Ion: 77 Resp: 764119

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

250000

200000

150000

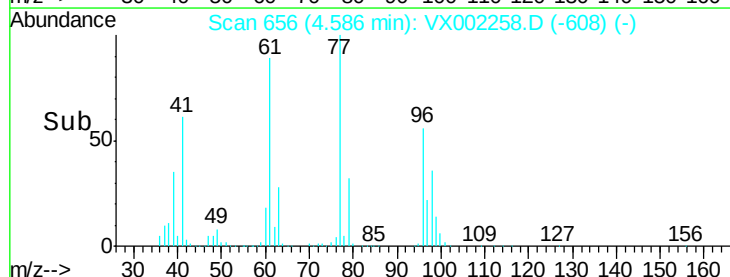
100000

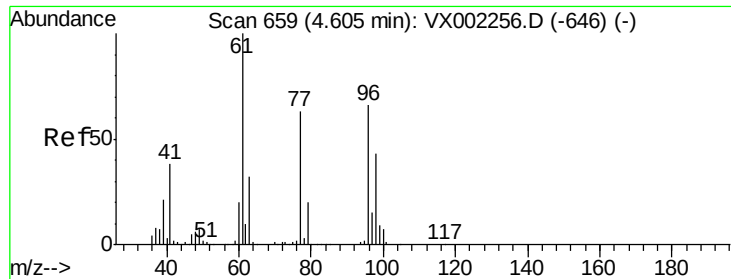
50000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 132.63 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

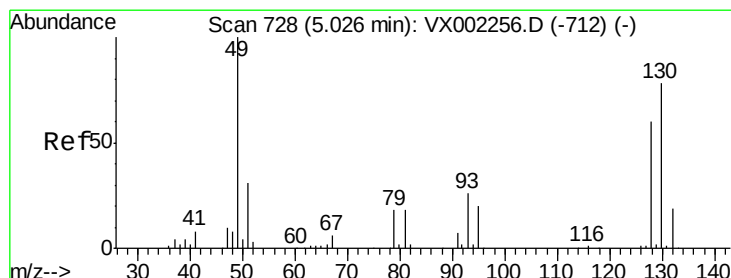
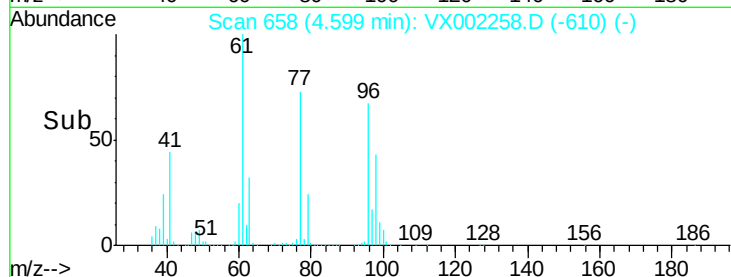
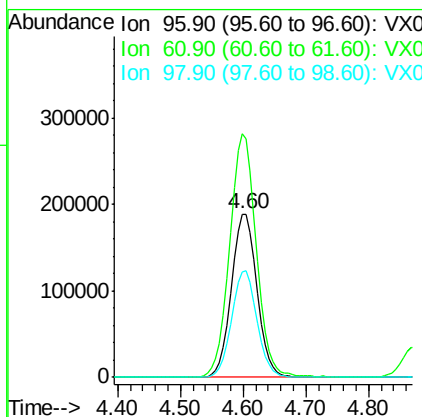
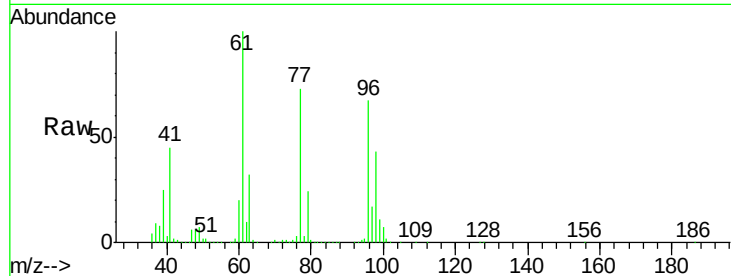
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	532391
Ion Ratio	Lower	Upper	
96	100		
61	155.8	0.0	330.2
98	65.0	0.0	130.2

Manual Integrations
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6/5/2018 5:56:03 PM



#28

Bromochloromethane

Concen: 122.43 ug/l

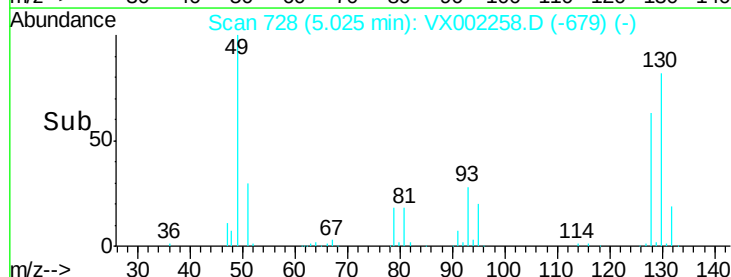
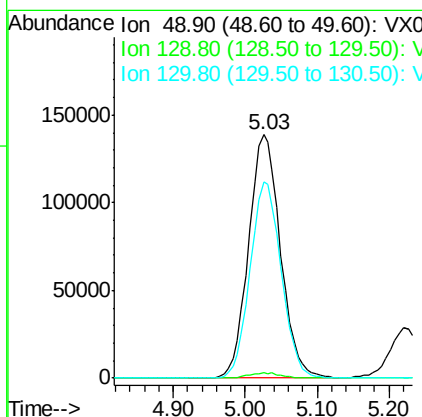
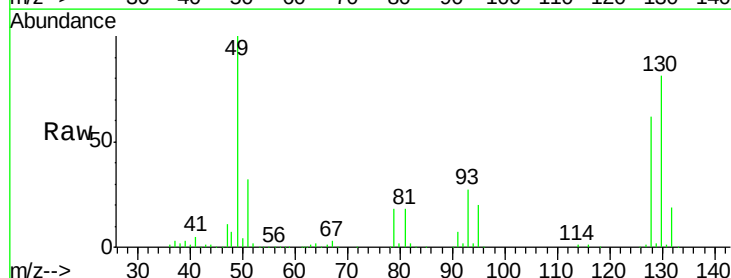
RT: 5.03 min Scan# 728

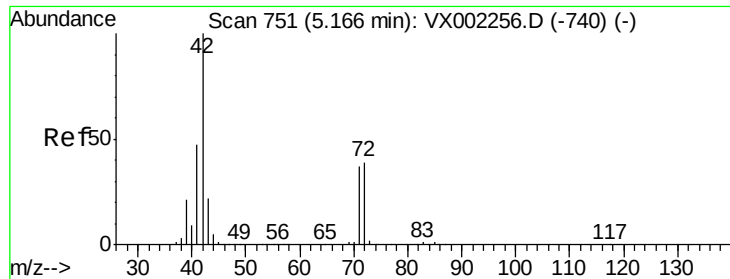
Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	49	Resp:	425613
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	79.2	61.2	91.8





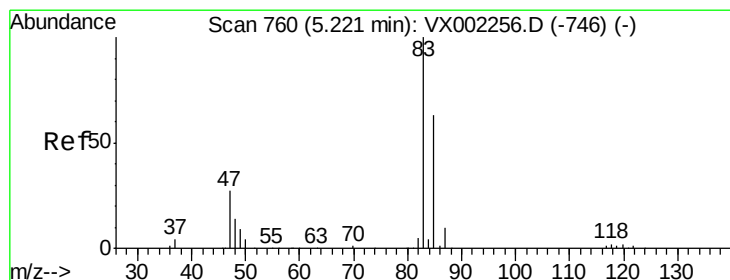
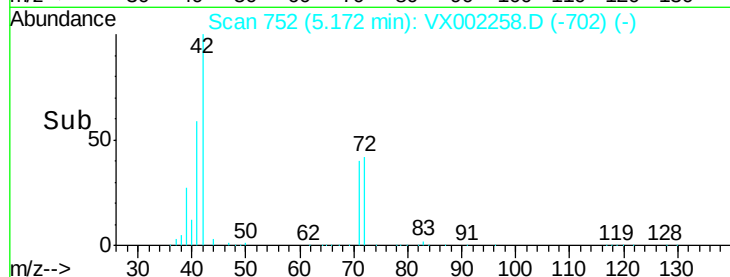
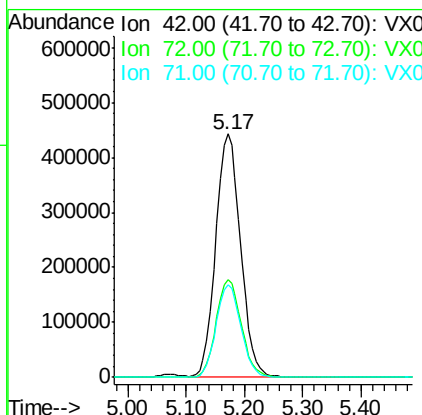
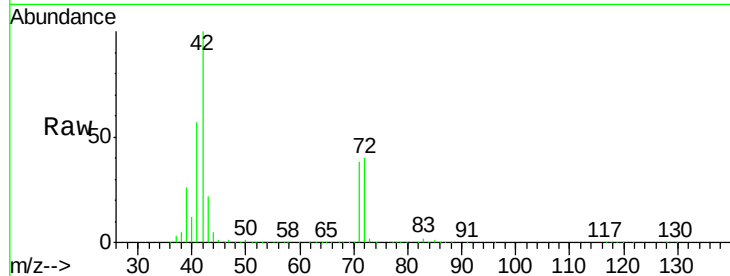
#29
Tetrahydrofuran
Concen: 657.65 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1307151
Ion Ratio Lower Upper
42 100
72 40.7 32.0 48.0
71 38.1 30.1 45.1

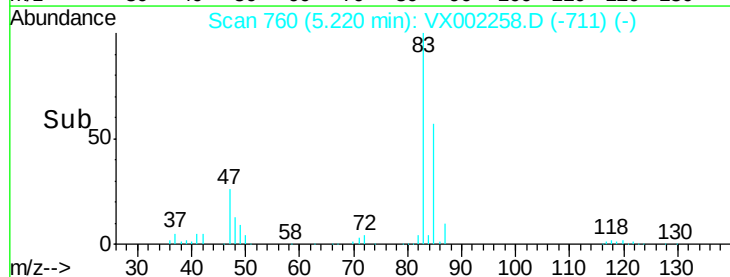
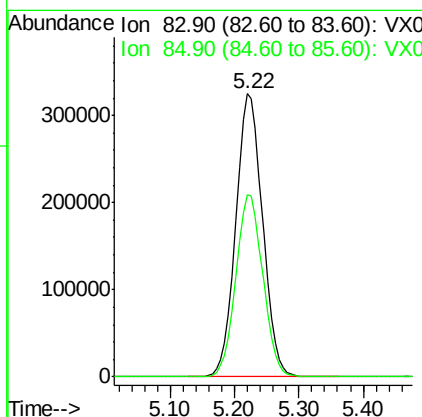
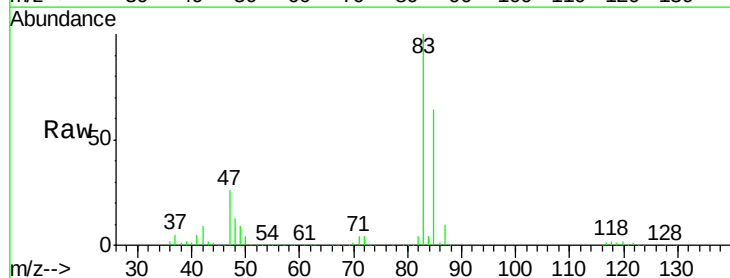
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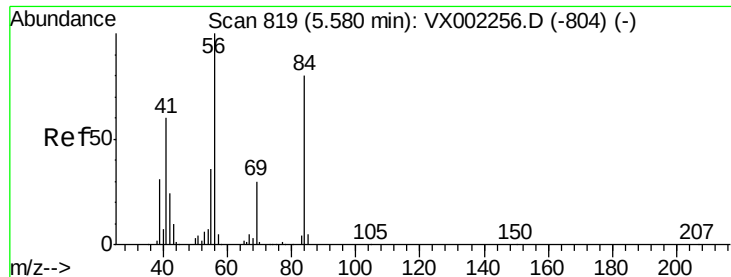
MMDadoda
6/5/2018 5:56:03 PM



#30
Chloroform
Concen: 135.21 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion: 83 Resp: 936669
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6





#31

Cyclohexane

Concen: 146.55 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

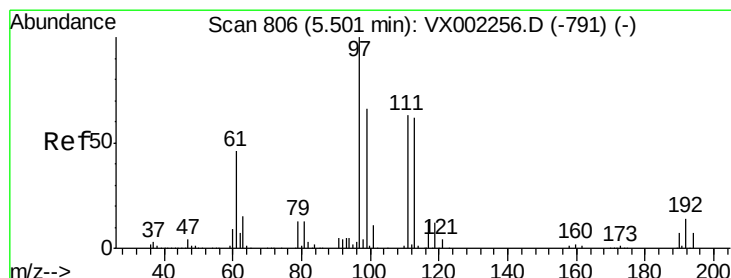
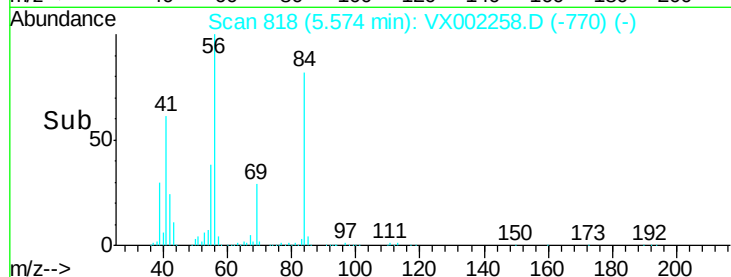
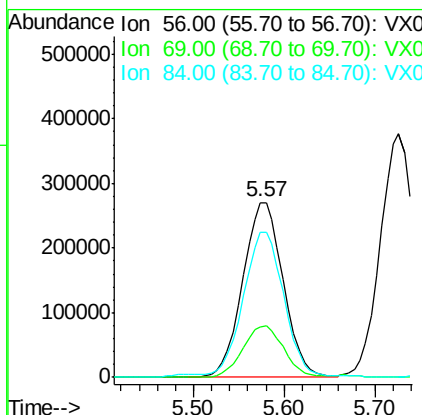
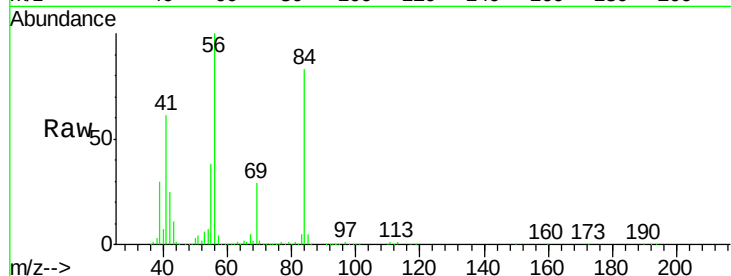
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	831984
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.7	35.5
84	81.3	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:03 PM



#32

1,1,1-Trichloroethane

Concen: 145.88 ug/l

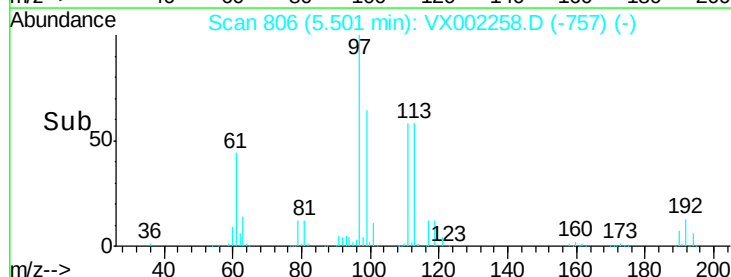
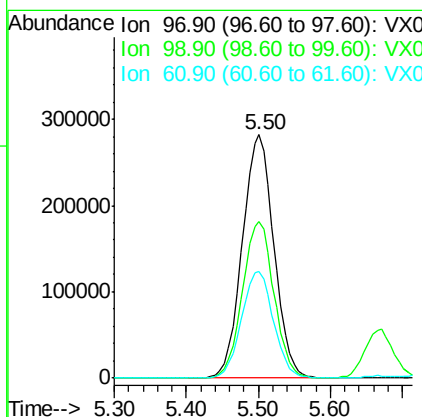
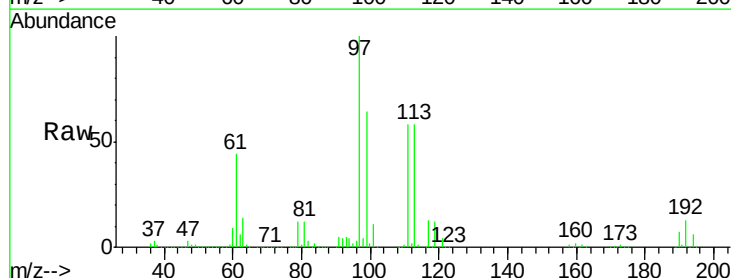
RT: 5.50 min Scan# 806

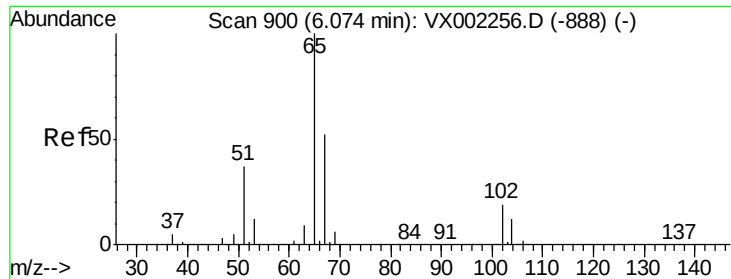
Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	97	Resp:	857071
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	44.6	36.4	54.6





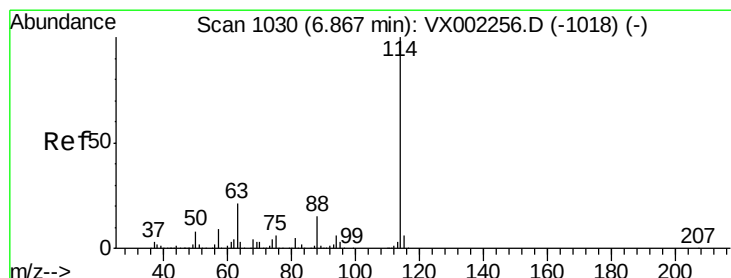
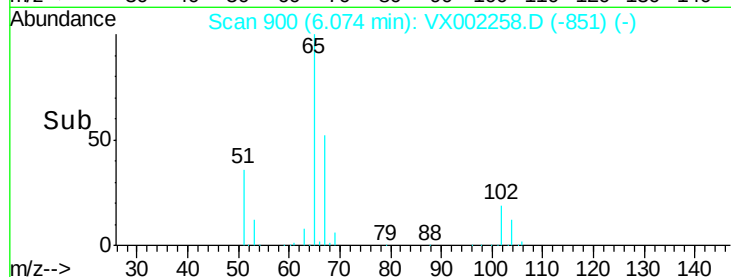
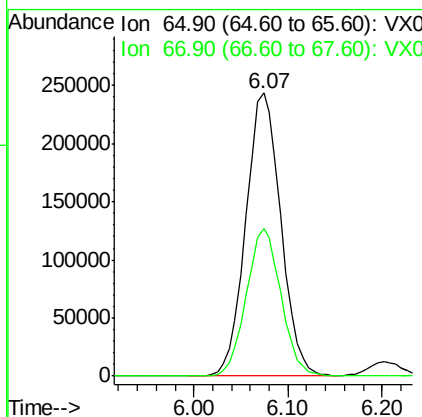
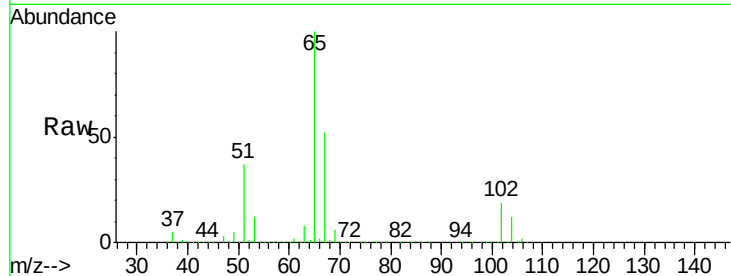
#33
 1,2-Dichloroethane-d4
 Concen: 130.09 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	636189		
67	51.6	0.0	102.6	

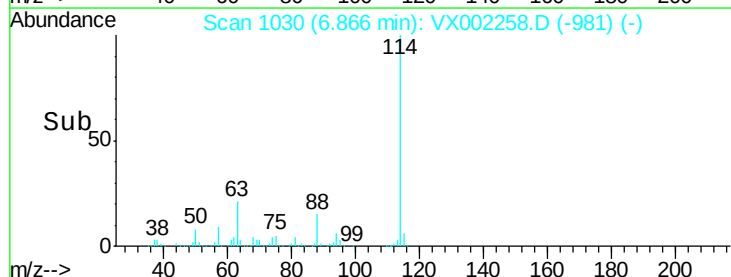
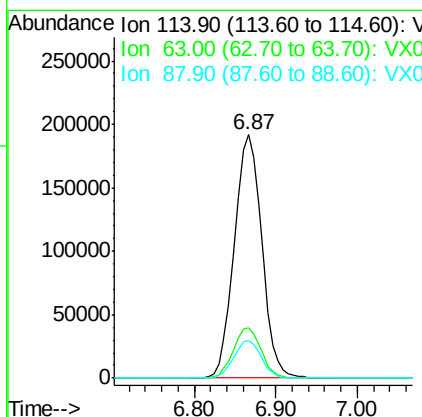
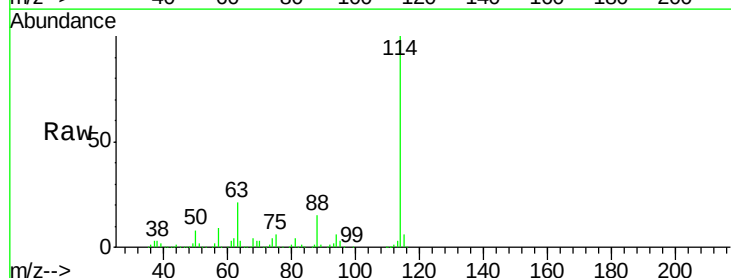
Manual Integrations
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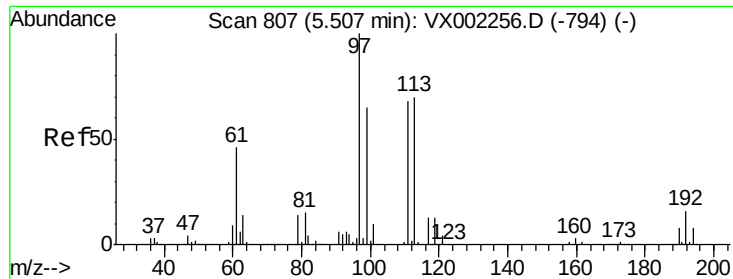
MMDadoda
 6/5/2018 5:56:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446354		
63	20.7	0.0	41.4	
88	15.4	0.0	30.0	





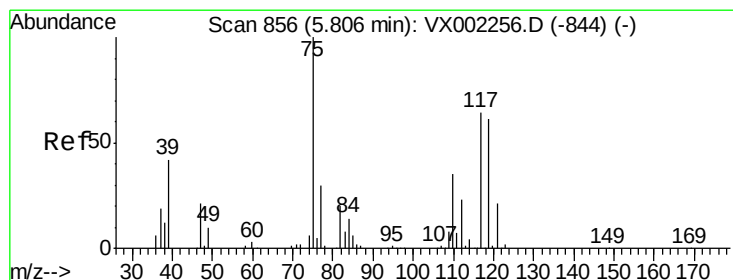
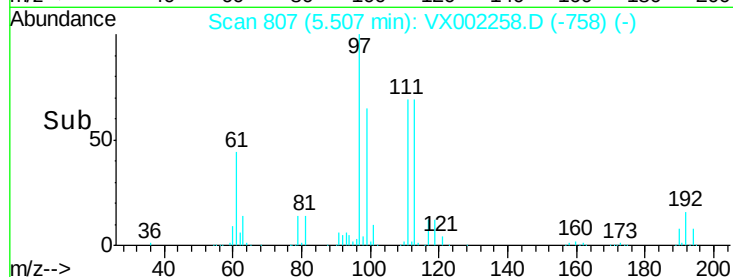
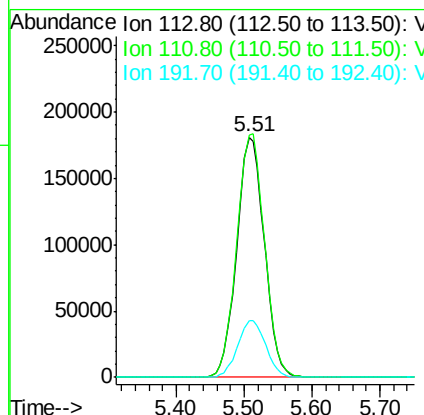
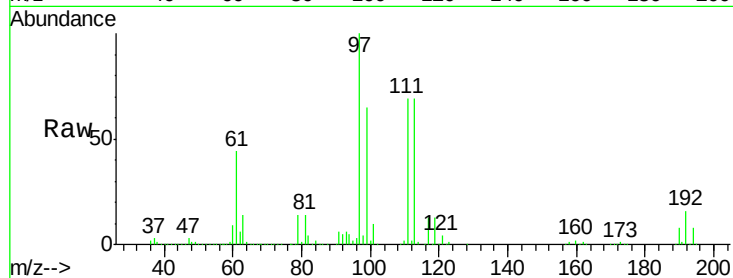
#35
 Dibromofluoromethane
 Concen: 145.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	509500		
111	102.1	81.4	122.0	
192	24.1	19.1	28.7	

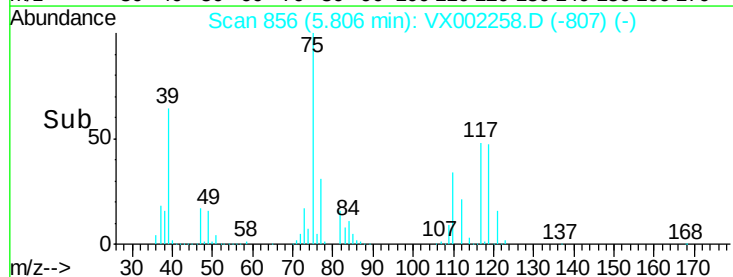
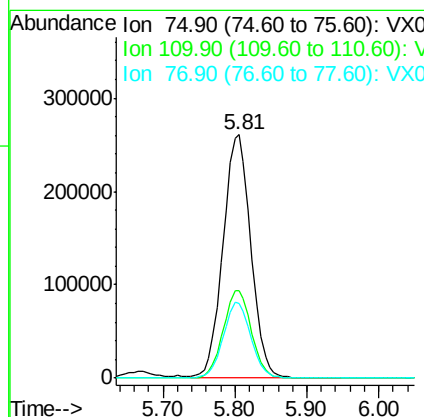
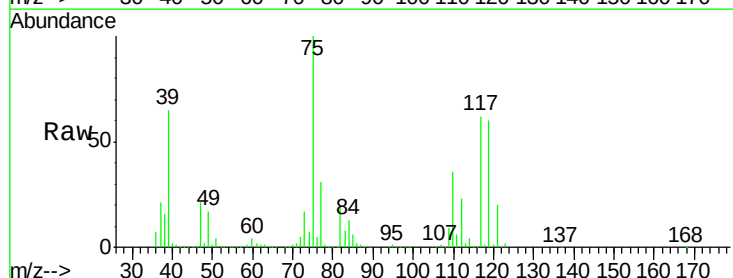
Manual Integrations
 APPROVED

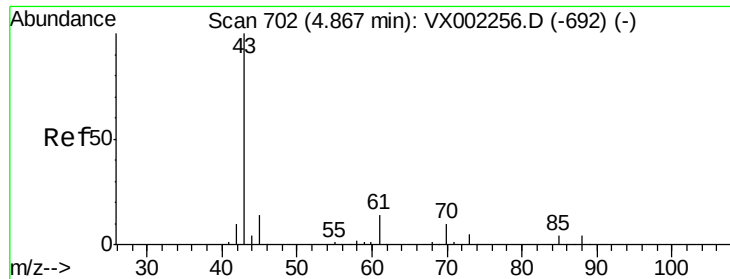
MMDadoda
 6/5/2018 5:56:03 PM



#36
 1,1-Dichloropropene
 Concen: 149.26 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	700379		
110	36.3	18.1	54.4	
77	30.8	24.3	36.5	





#37

Ethyl Acetate

Concen: 142.53 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

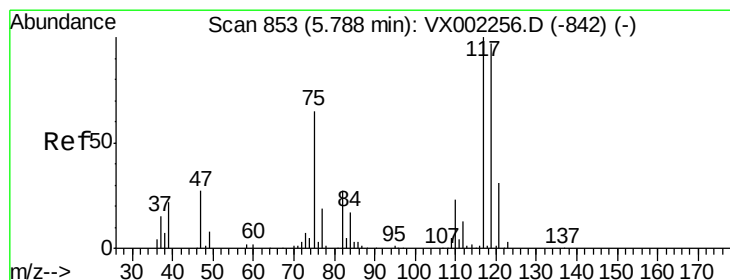
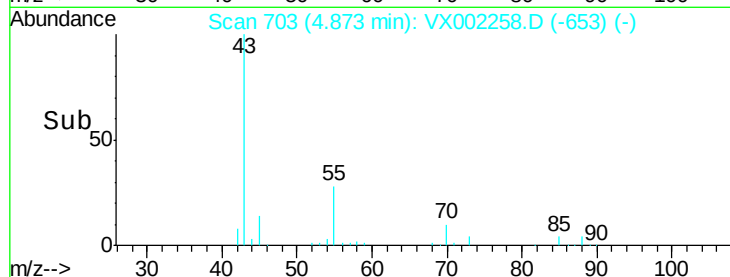
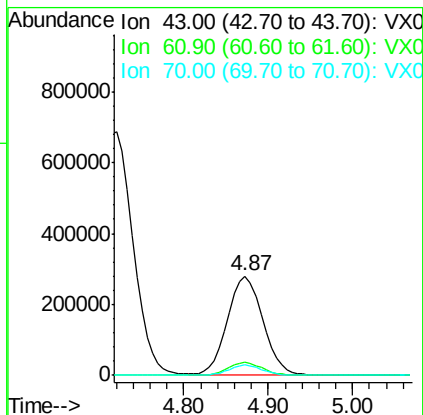
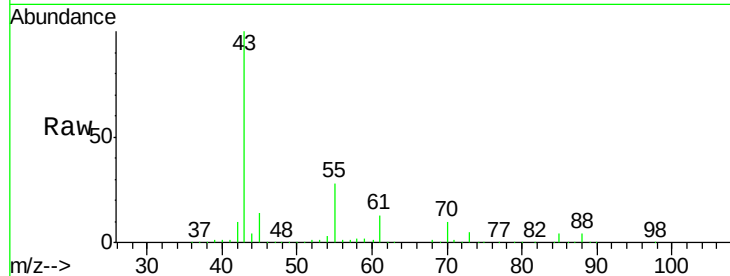
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	804309
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	9.7	7.6	11.4

Manual Integrations
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MMDadoda
6/5/2018 5:56:03 PM



#38

Carbon Tetrachloride

Concen: 158.12 ug/l

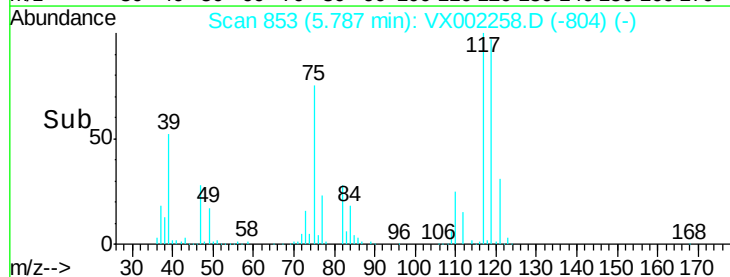
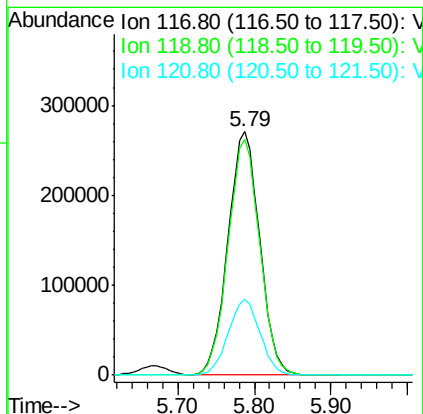
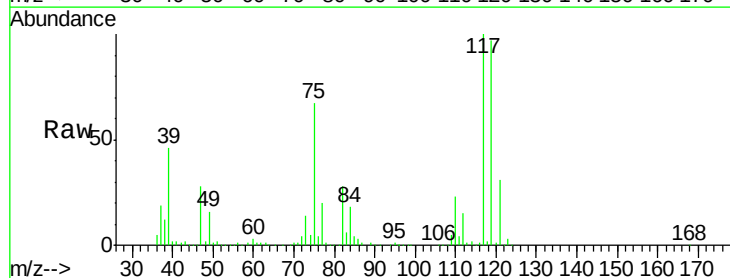
RT: 5.79 min Scan# 853

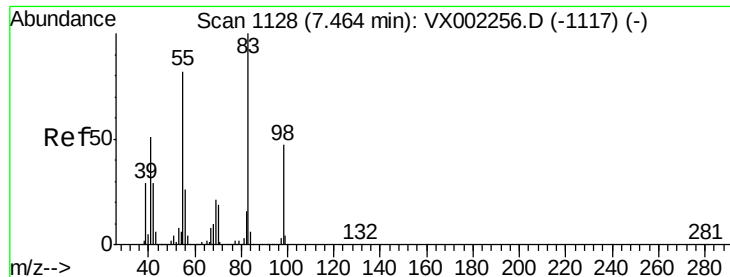
Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	117	Resp:	776230
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	30.9	24.4	36.6





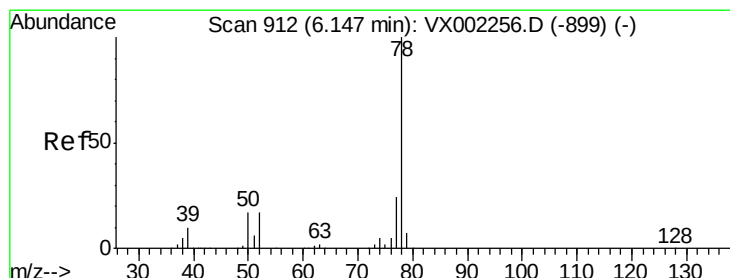
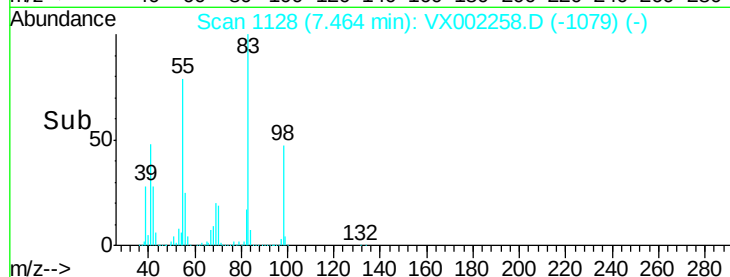
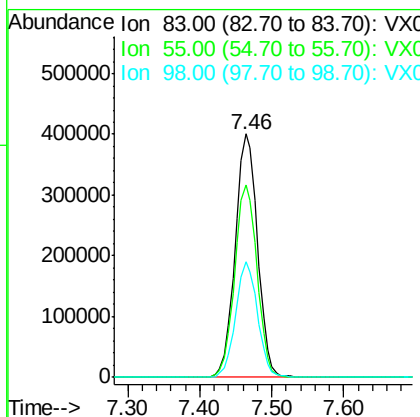
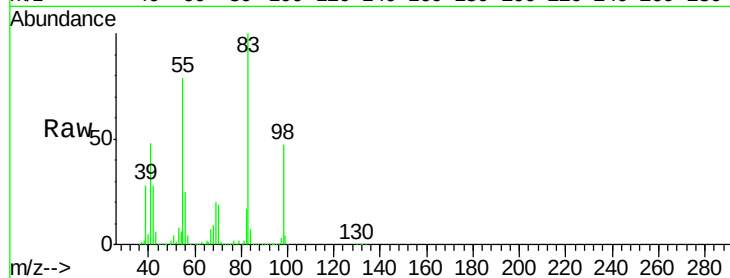
#39
Methylvlcyclohexane
Concen: 160.82 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	65.4	98.0
98	47.4	37.4	56.0

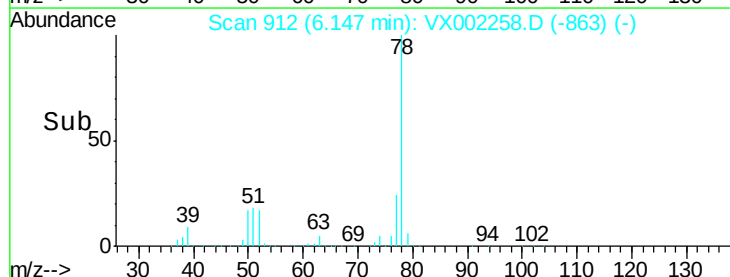
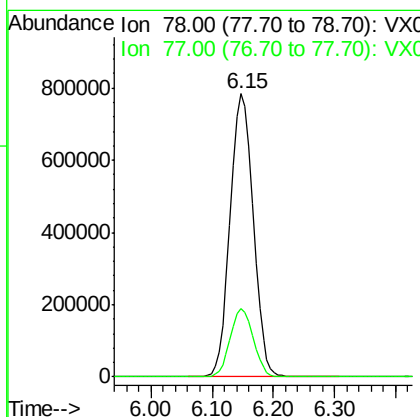
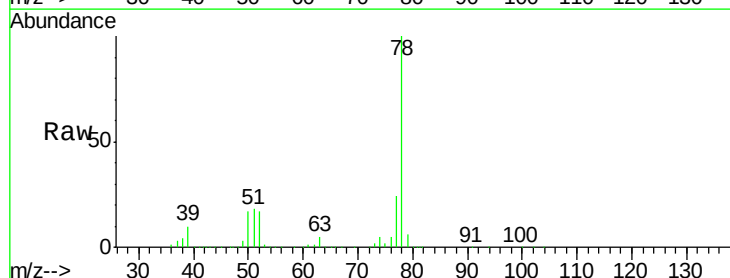
Manual Integrations
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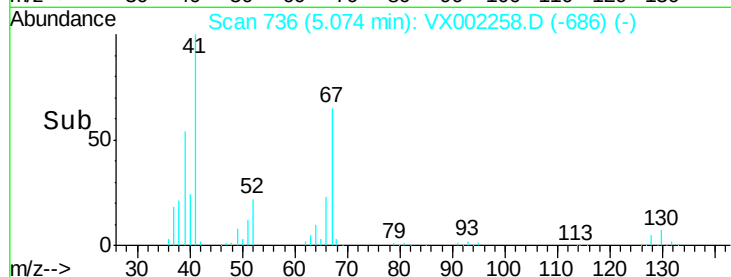
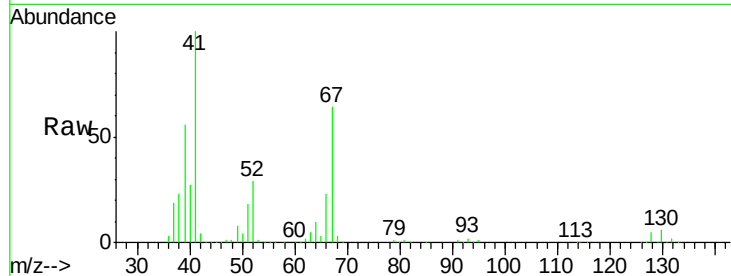
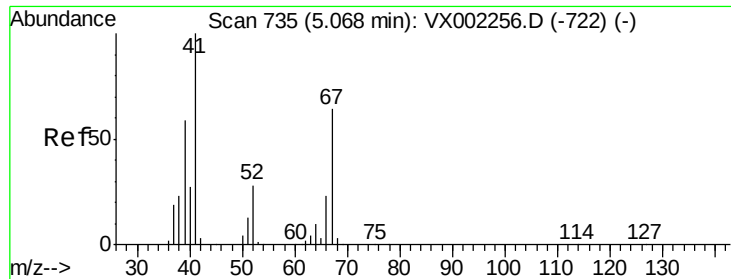
MMDadoda
6/5/2018 5:56:03 PM



#40
Benzene
Concen: 142.53 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

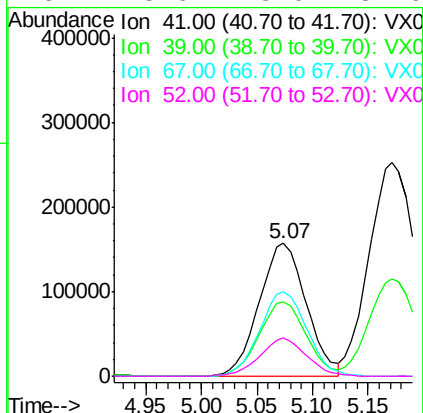
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41
Methacrylonitrile
Concen: 142.75 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

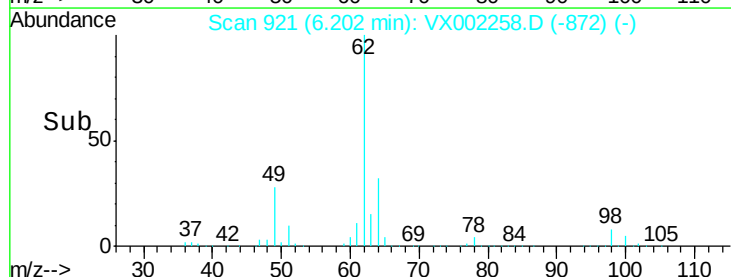
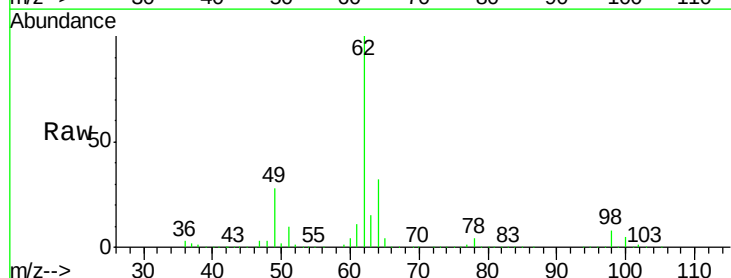
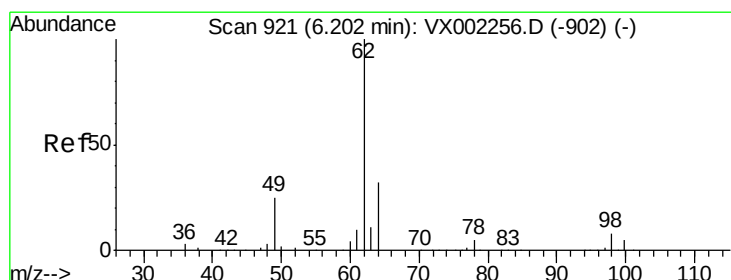
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.8	68.6
67	64.1	51.3	76.9
52	28.6	23.0	34.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

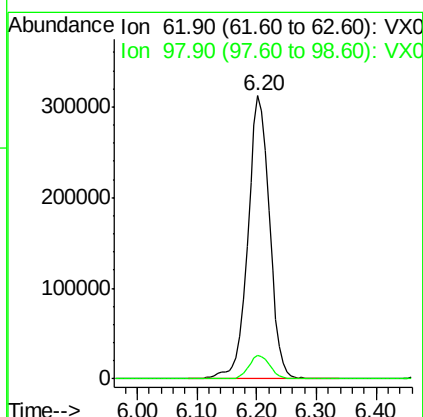
Manual Integrations
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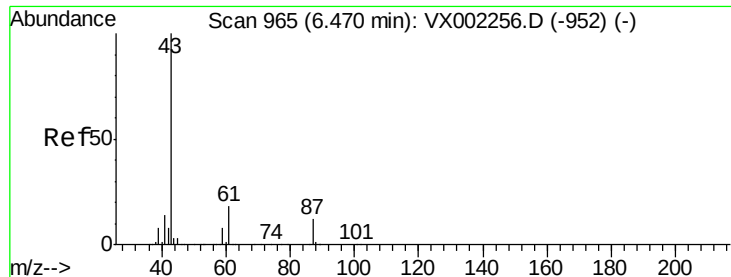
MMDadoda
6/5/2018 5:56:03 PM



#42
1,2-Dichloroethane
Concen: 137.71 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 144.95 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1389349

Ion Ratio Lower Upper

43 100

61 18.1 14.4 21.6

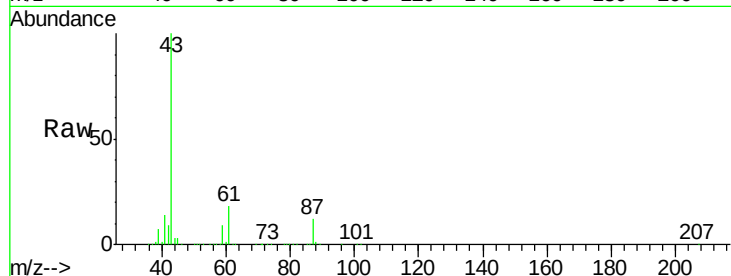
87 11.9 9.5 14.3

Manual Integrations

APPROVED

MMDadoda

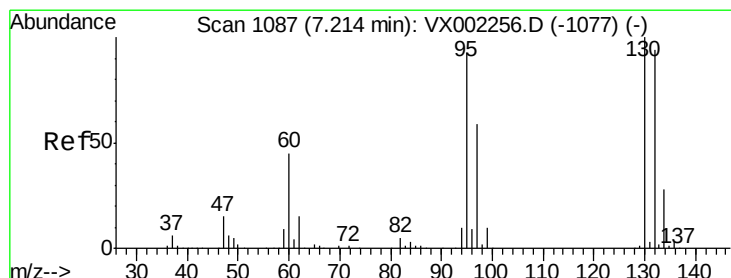
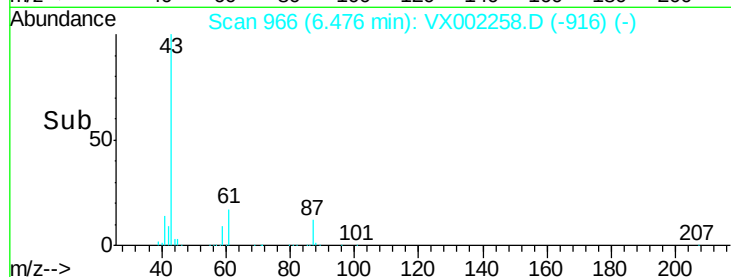
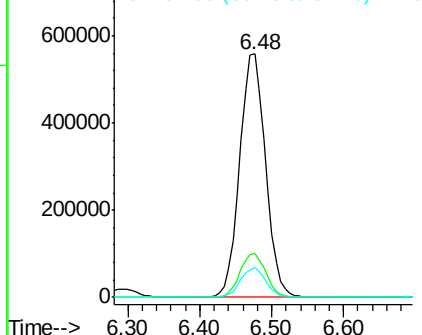
6/5/2018 5:56:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 149.10 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX002258.D

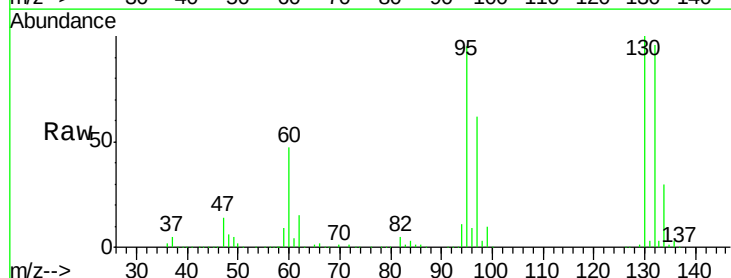
Acq: 04 Jun 2018 12:19

Tgt Ion:130 Resp: 595394

Ion Ratio Lower Upper

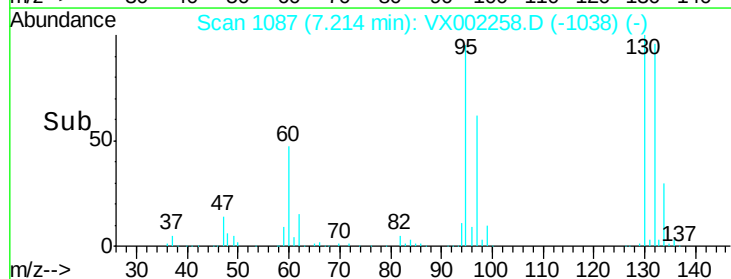
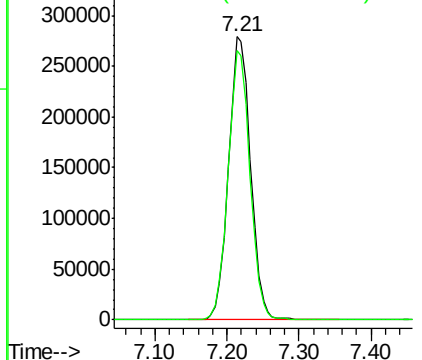
130 100

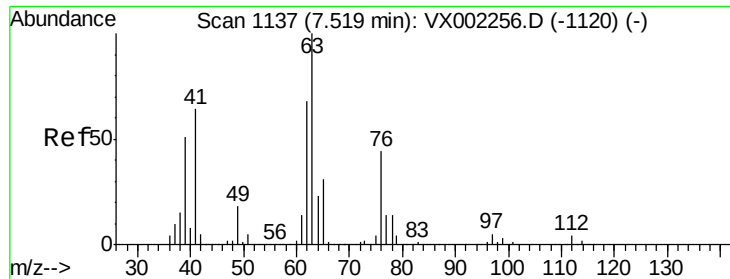
95 95.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





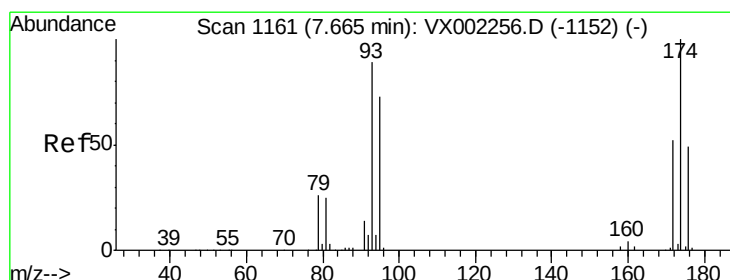
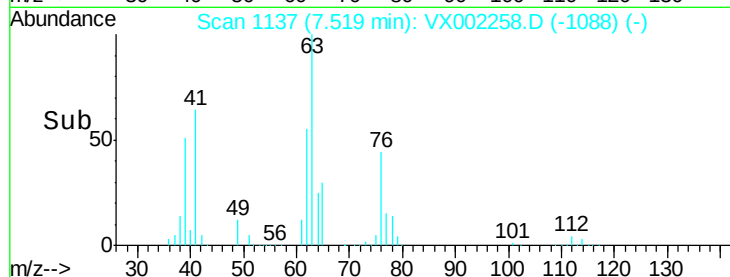
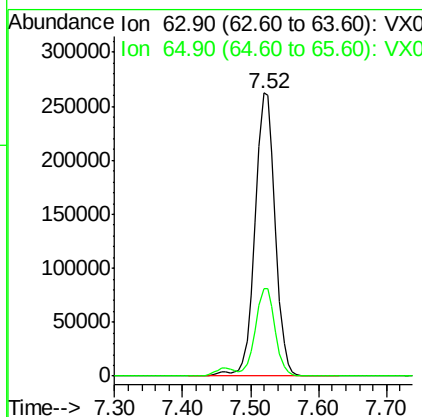
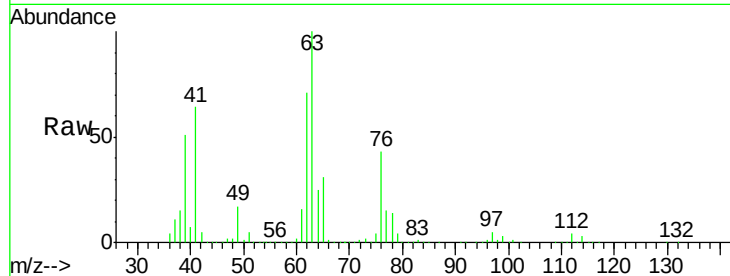
#45
 1,2-Dichloropropane
 Concen: 139.81 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 543060
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

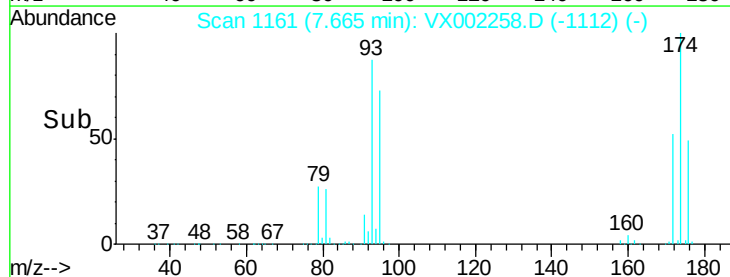
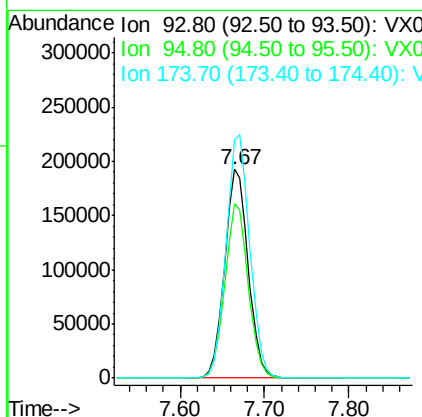
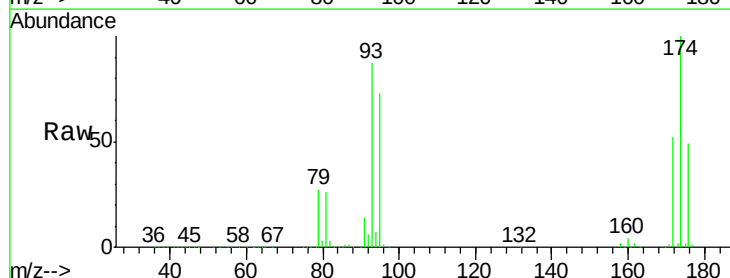
Manual Integrations
 APPROVED

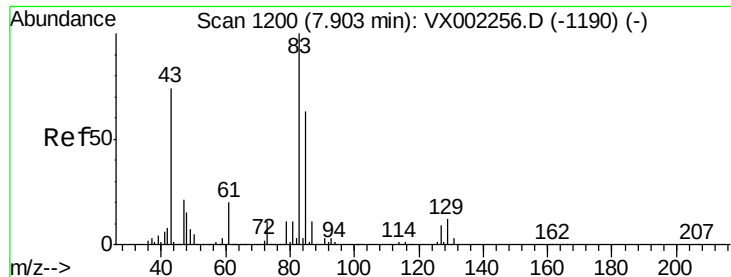
MMDadoda
 6/5/2018 5:56:03 PM



#46
 Dibromomethane
 Concen: 139.85 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion: 93 Resp: 368241
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 117.3 92.4 138.6





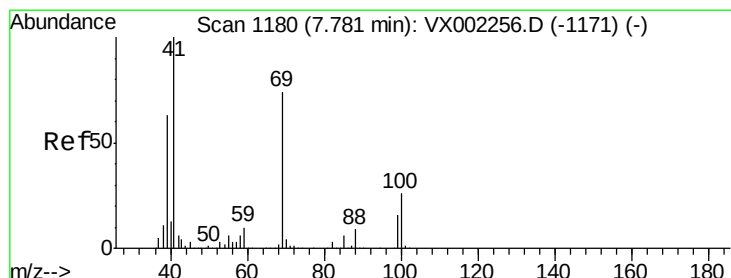
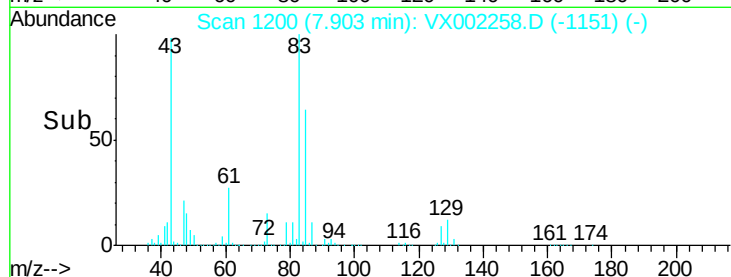
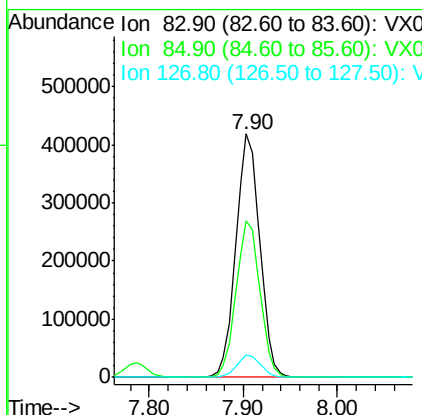
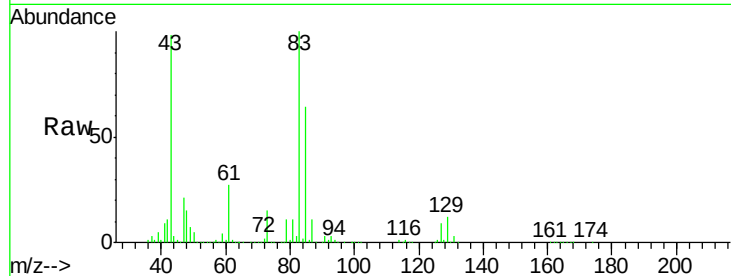
#47
Bromodichloromethane
Concen: 154.81 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	9.1	7.0	10.4

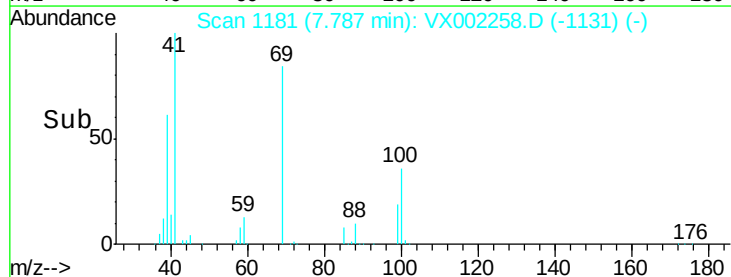
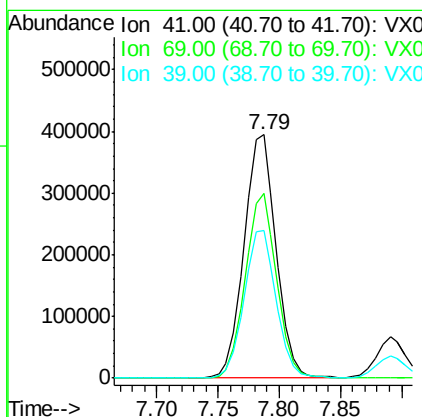
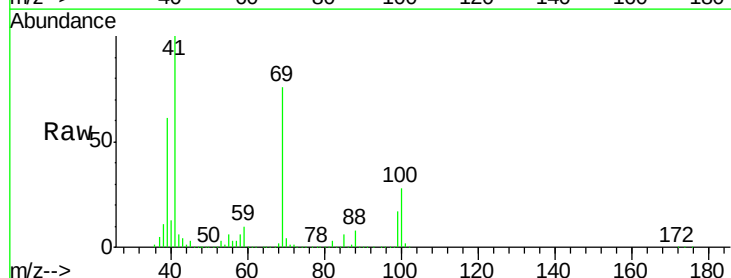
Manual Integrations
APPROVED

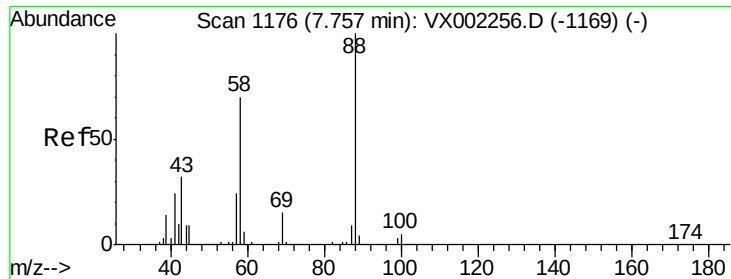
MMDadoda
6/5/2018 5:56:03 PM



#48
Methyl methacrylate
Concen: 149.31 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.1	88.7
39	60.6	48.9	73.3





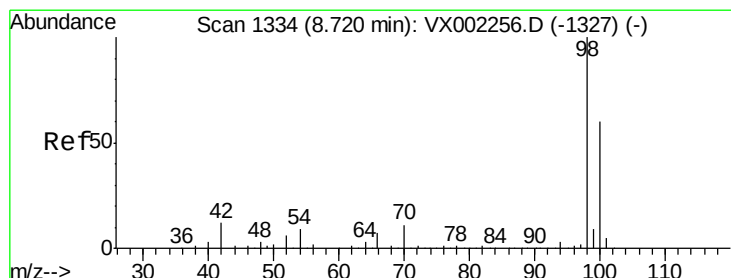
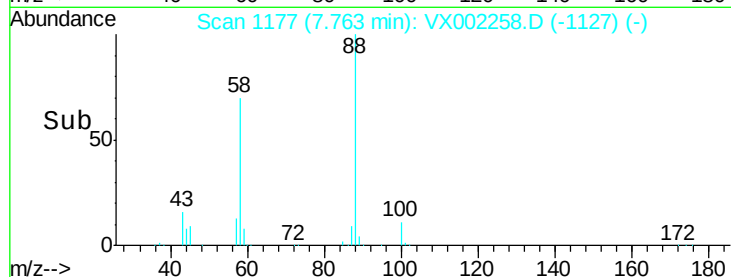
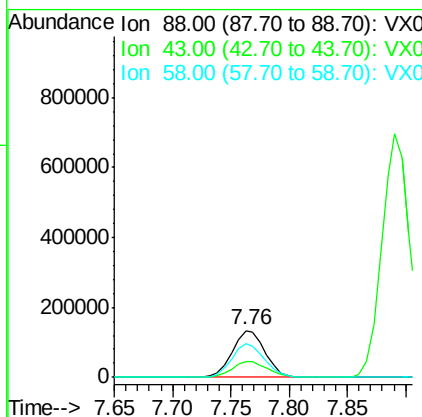
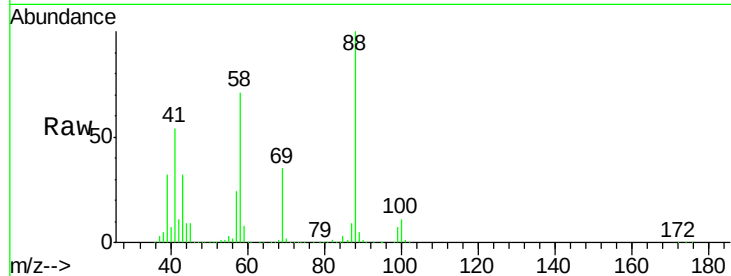
#49
1,4-Dioxane
Concen: 2916.17 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	262521		
43	36.7	29.8	44.6	
58	71.7	57.1	85.7	

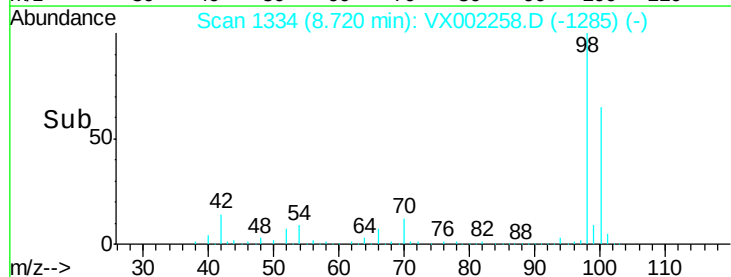
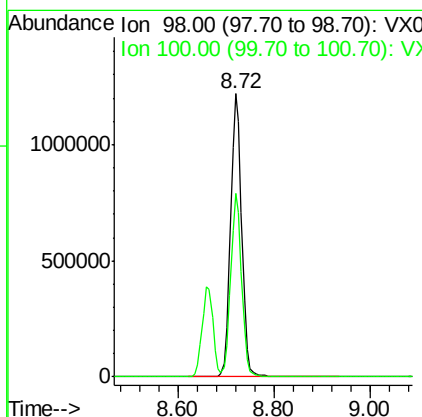
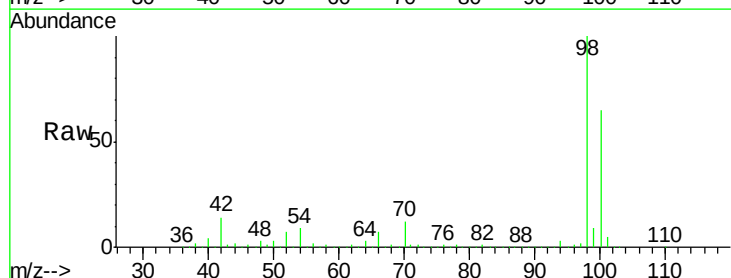
Manual Integrations
APPROVED

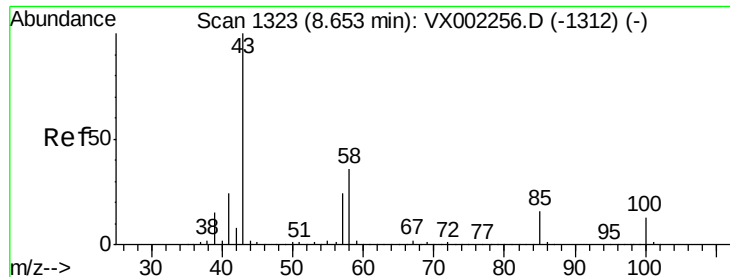
MMDadoda
6/5/2018 5:56:03 PM



#50
Toluene-d8
Concen: 146.76 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1974509		
100	63.9	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 740.42 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4419586

Ion Ratio Lower Upper

43 100

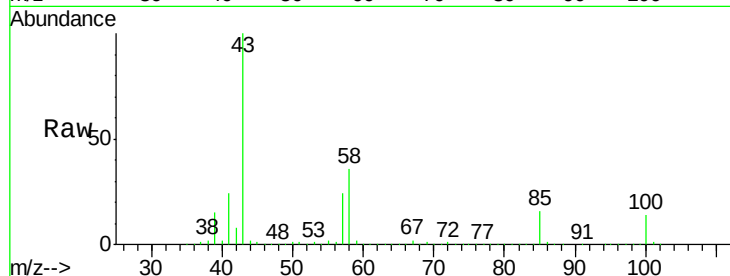
58 36.3 28.6 42.8

Manual Integrations

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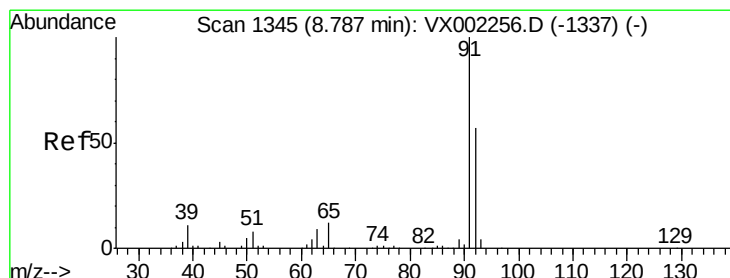
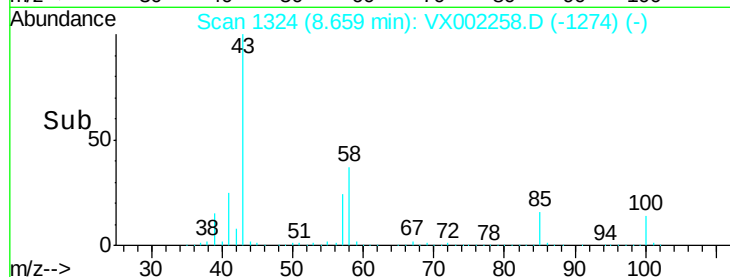
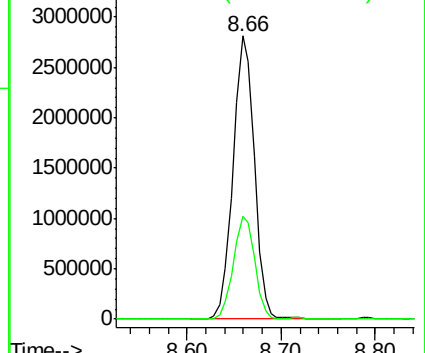
MMDadoda

6/5/2018 5:56:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 149.43 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002258.D

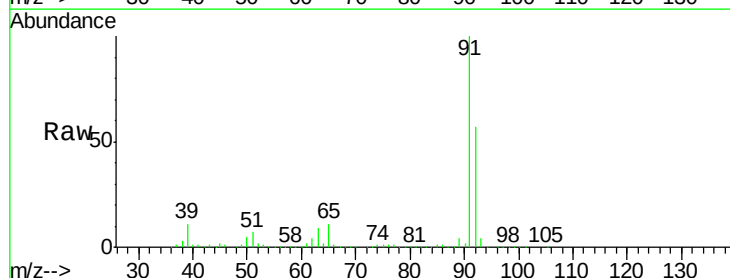
Acq: 04 Jun 2018 12:19

Tgt Ion: 92 Resp: 1367370

Ion Ratio Lower Upper

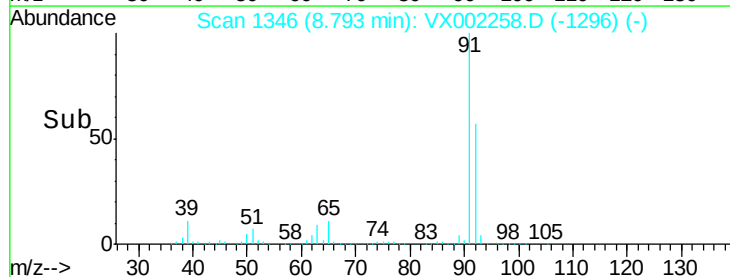
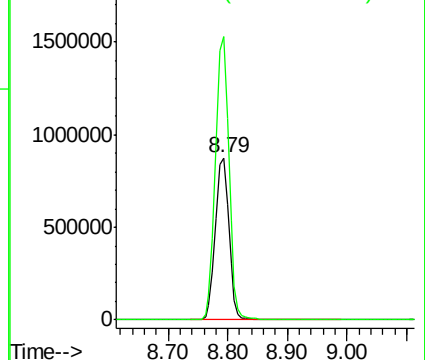
92 100

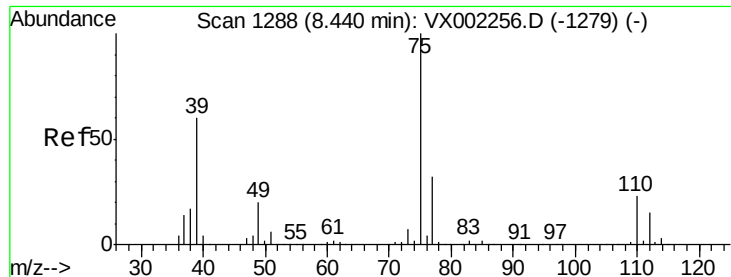
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 157.36 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 898664

Ion Ratio Lower Upper

75 100

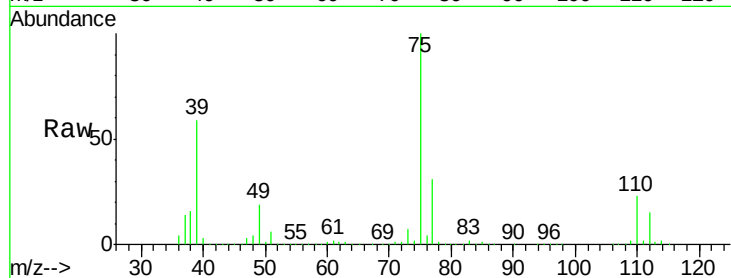
77 31.4 25.4 38.2

Manual Integrations

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6/5/2018 5:56:03 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

600000

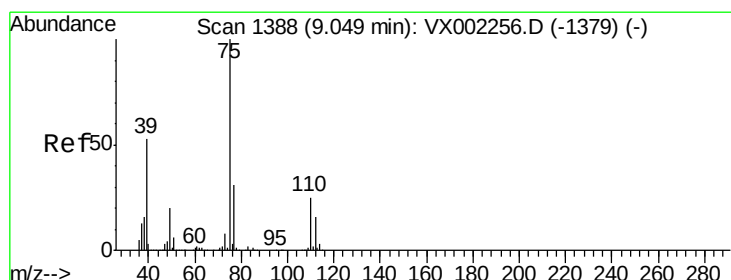
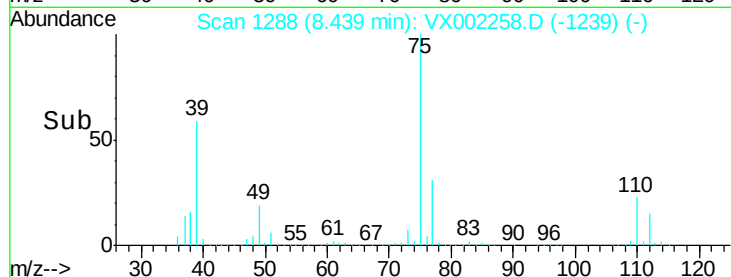
400000

200000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 163.43 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

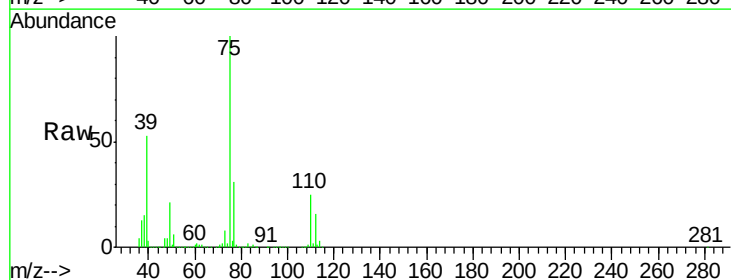
Tgt Ion: 75 Resp: 880567

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 53.2 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

800000

600000

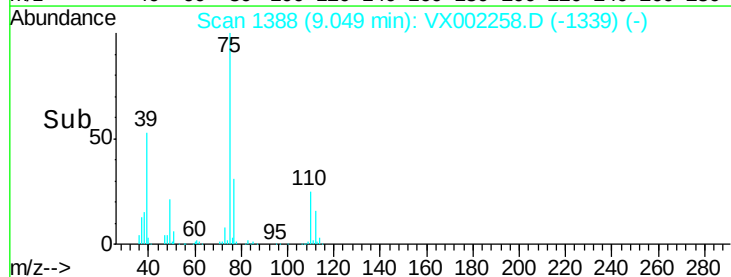
400000

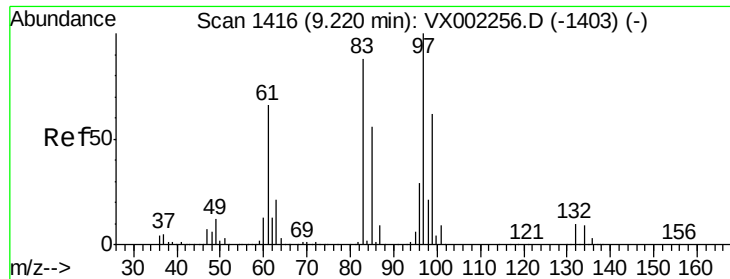
200000

0

9.00 9.10

Time-->





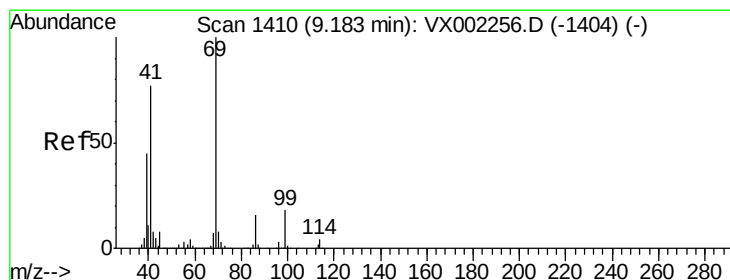
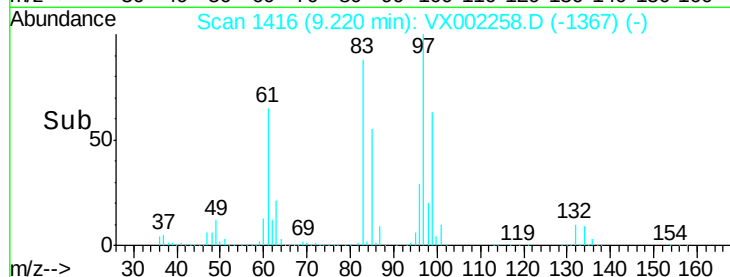
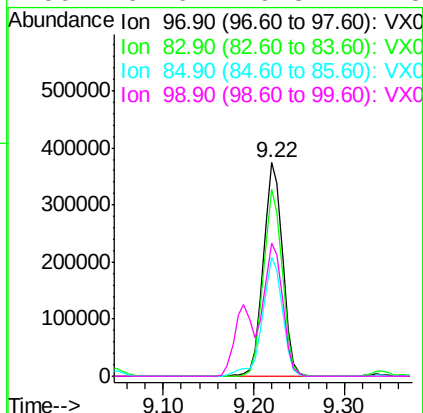
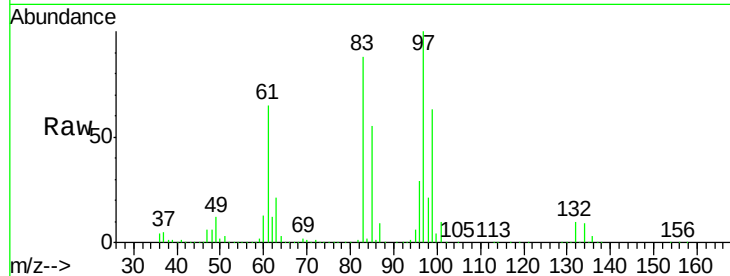
#55
 1,1,2-Trichloroethane
 Concen: 145.95 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	549294
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.2	105.2
85	55.5	44.9	67.3
99	62.6	49.8	74.8

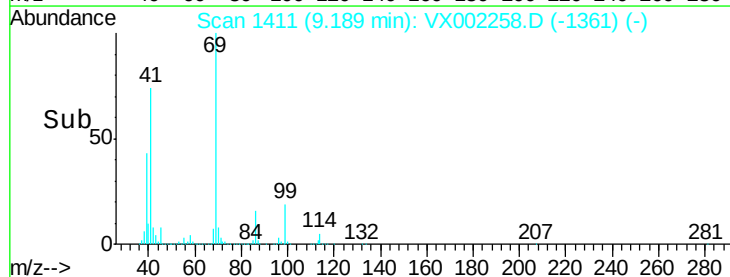
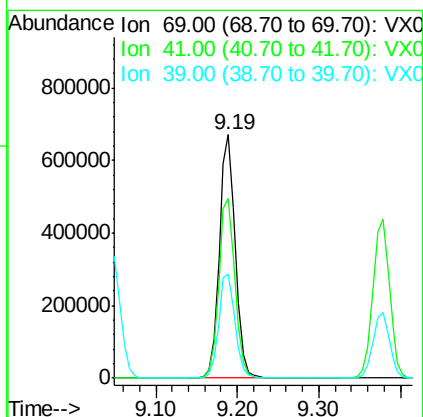
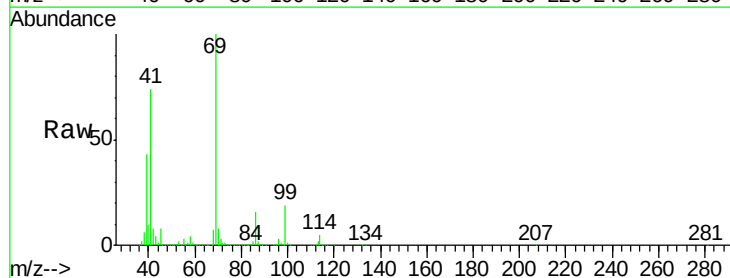
Manual Integrations
 APPROVED

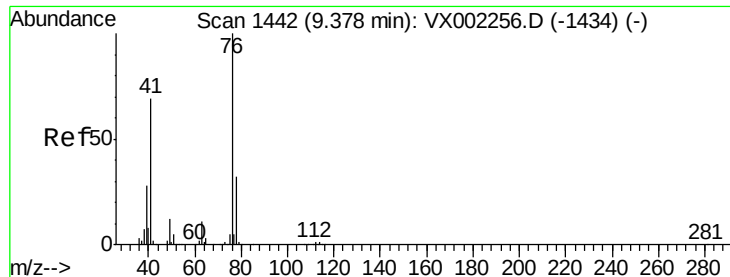
MMDadoda
 6/5/2018 5:56:03 PM



#56
 Ethyl methacrylate
 Concen: 152.29 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion:	69	Resp:	915094
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.3	90.5
39	44.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 143.17 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 904003

Ion Ratio Lower Upper

76 100

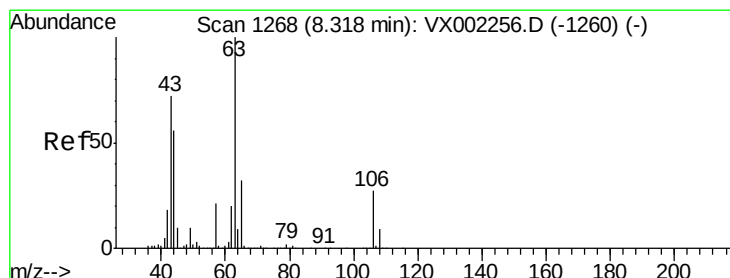
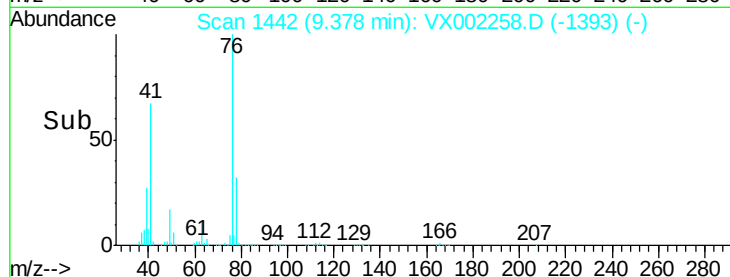
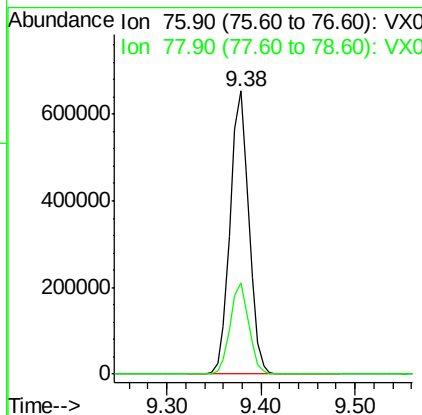
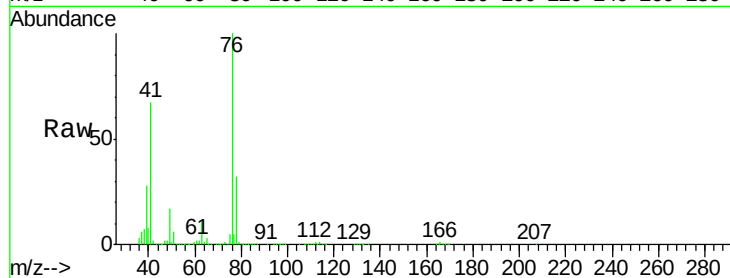
78 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 747.86 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX002258.D

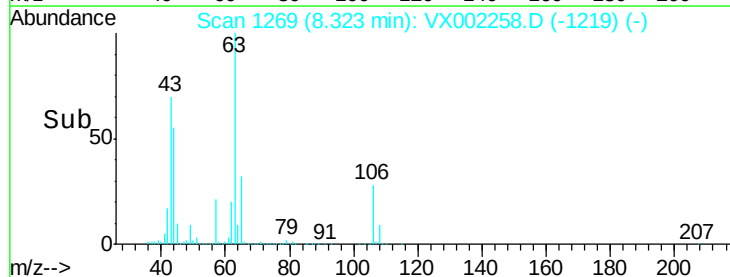
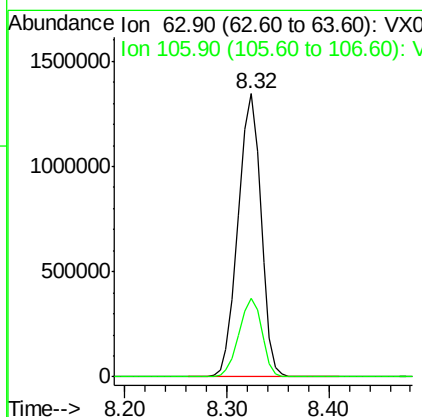
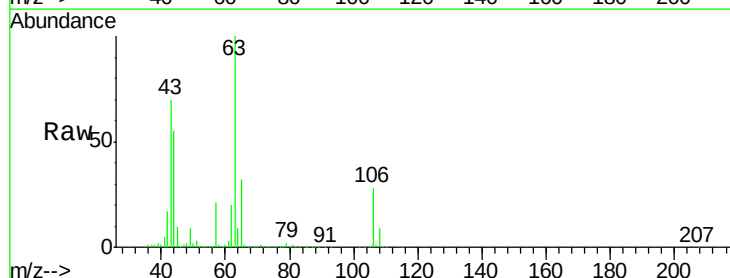
Acq: 04 Jun 2018 12:19

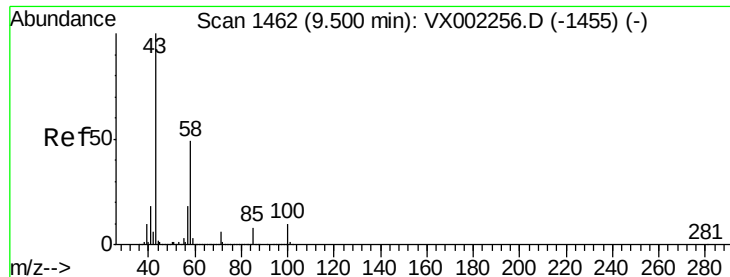
Tgt Ion: 63 Resp: 2079883

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.8





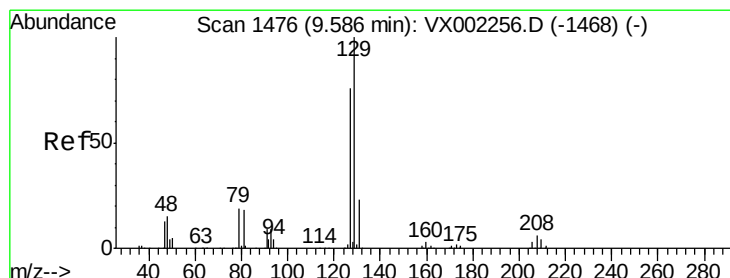
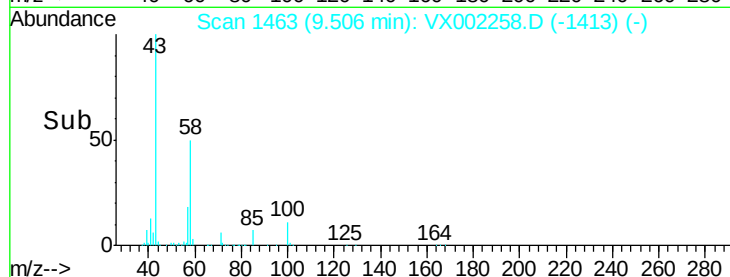
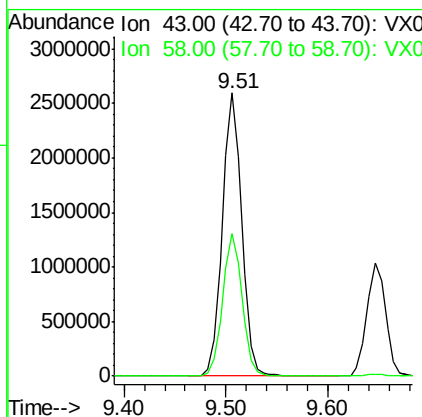
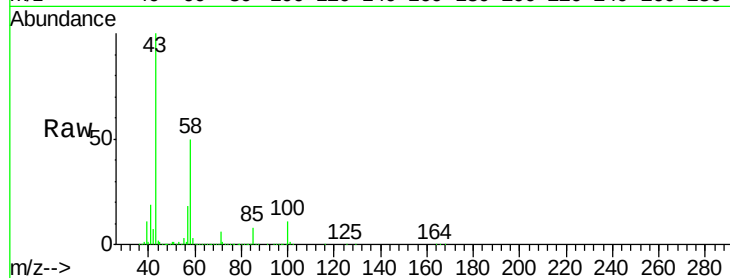
#59
2-Hexanone
Concen: 748.25 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 3449814
Ion Ratio Lower Upper
43 100
58 50.0 24.6 73.6

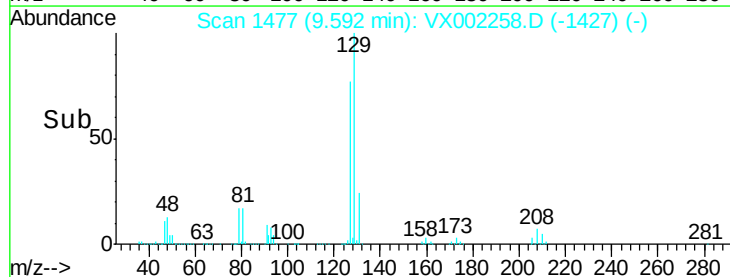
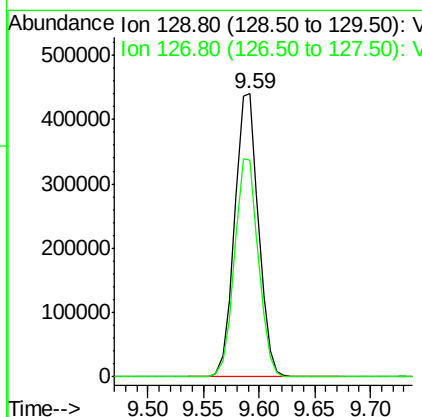
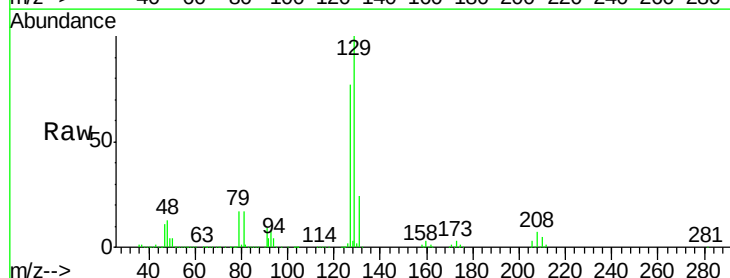
Manual Integrations
APPROVED

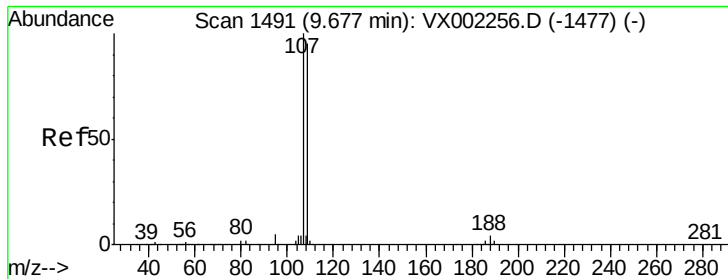
MMDadoda
6/5/2018 5:56:03 PM



#60
Dibromochloromethane
Concen: 171.58 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion: 129 Resp: 649529
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 151.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 593102

Ion Ratio Lower Upper

107 100

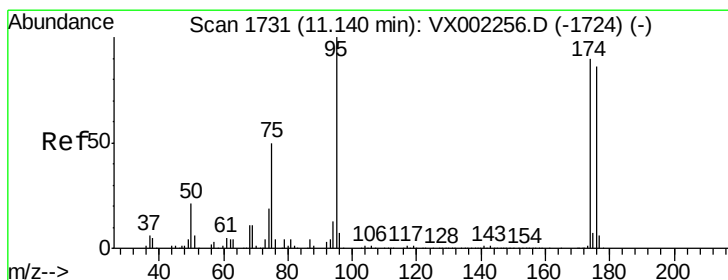
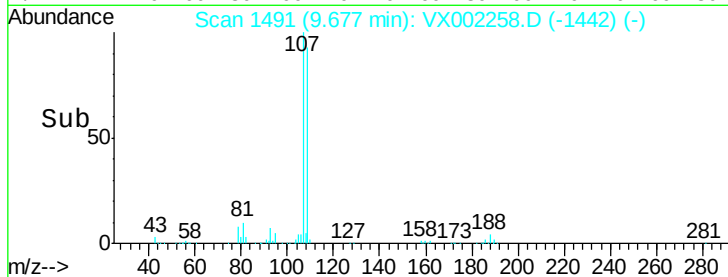
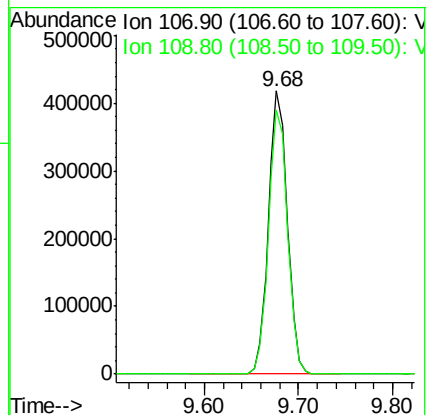
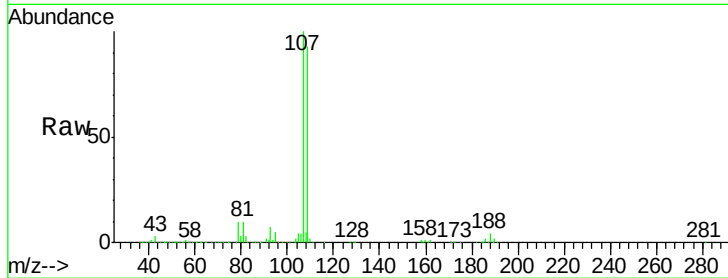
109 94.2 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 157.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

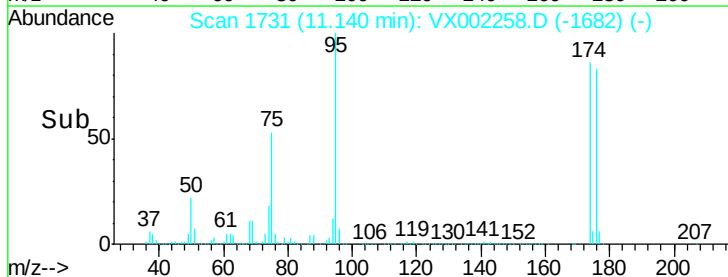
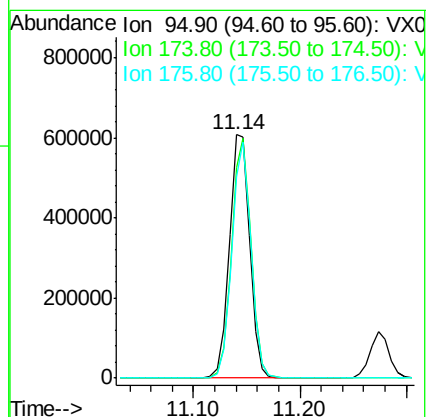
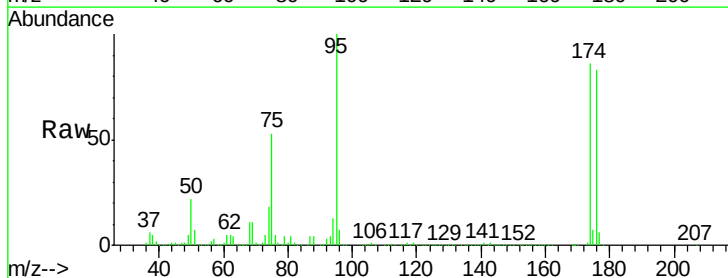
Tgt Ion: 95 Resp: 815054

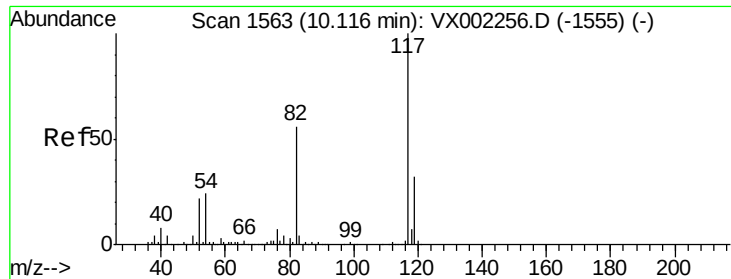
Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.4

176 91.1 0.0 181.0





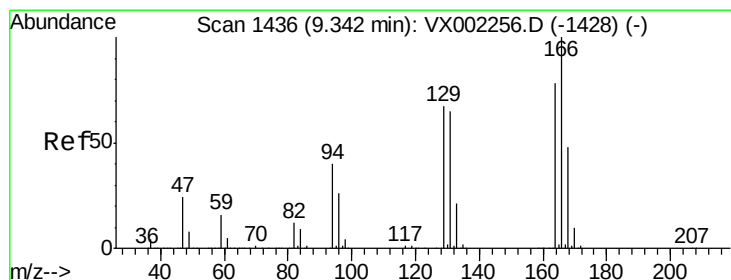
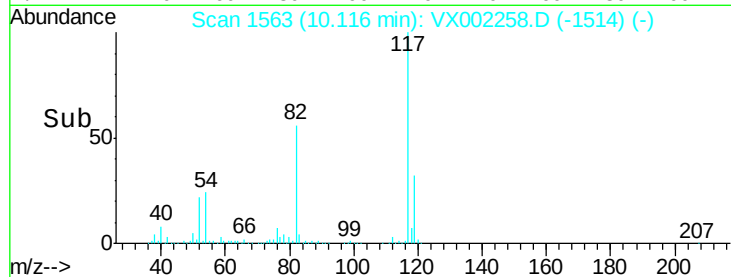
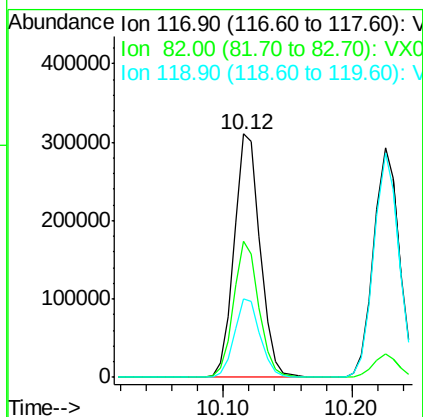
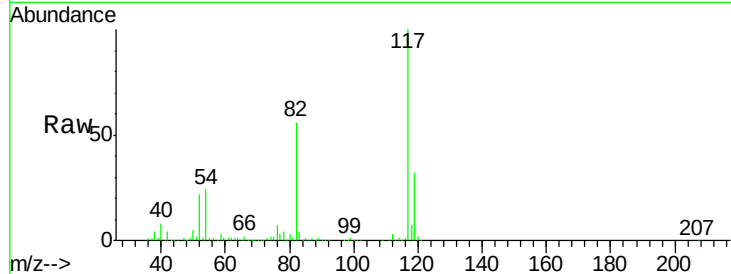
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.4
119	32.3	25.8	38.6

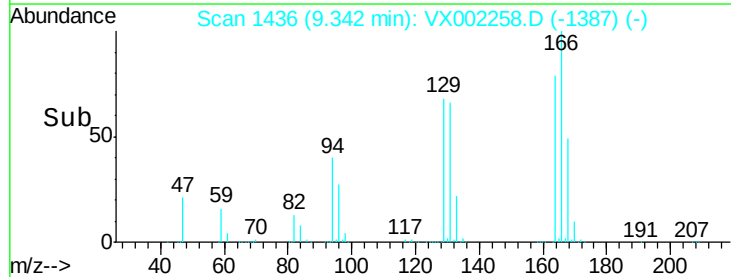
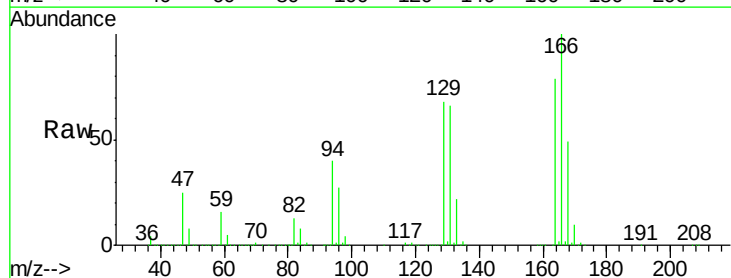
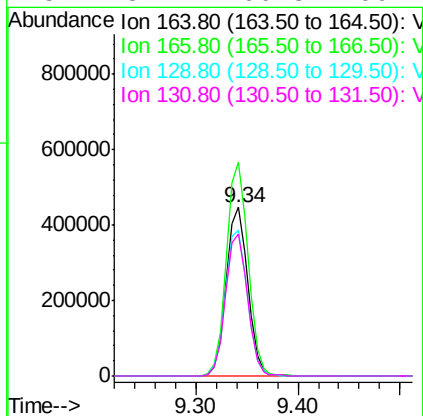
Manual Integrations
APPROVED

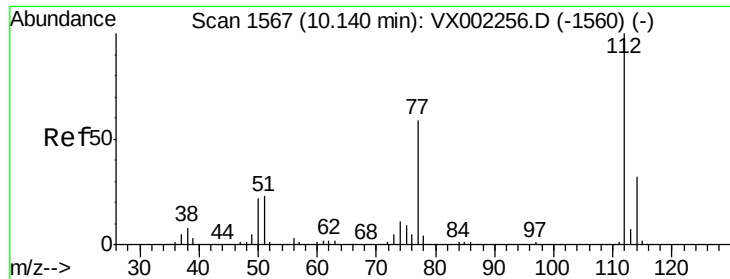
MMDadoda
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#64
Tetrachloroethene
Concen: 144.68 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.9	154.3
129	86.8	68.6	102.8
131	84.1	66.8	100.2





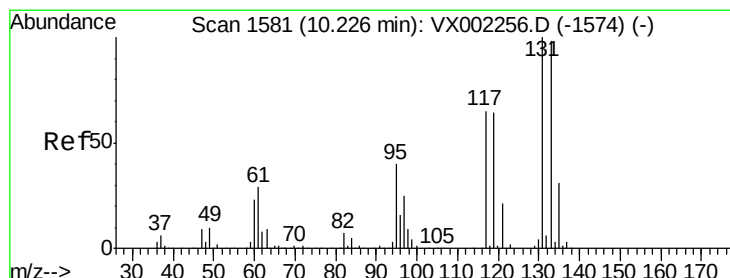
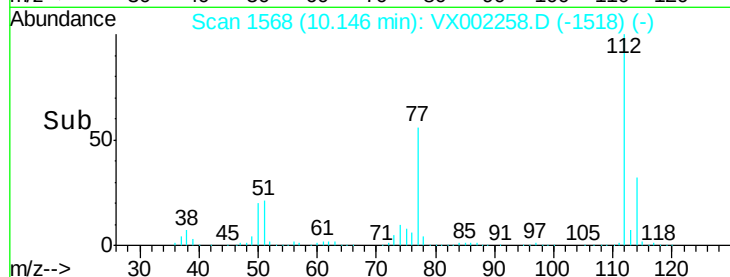
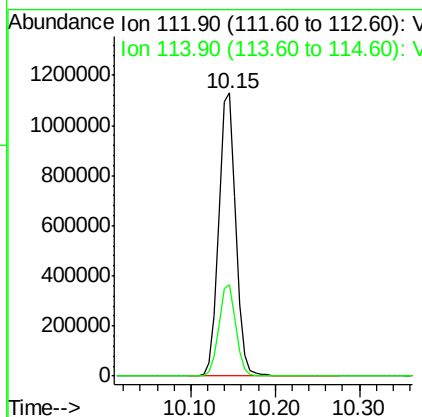
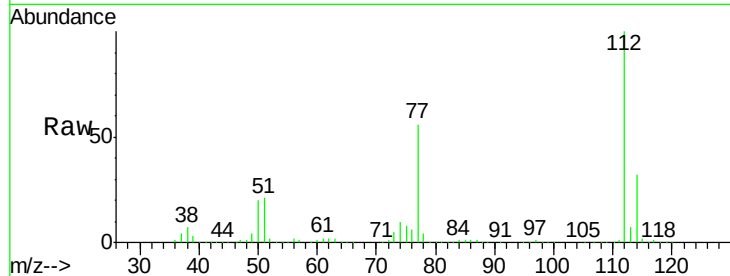
#65
Chlorobenzene
Concen: 145.96 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1587888
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

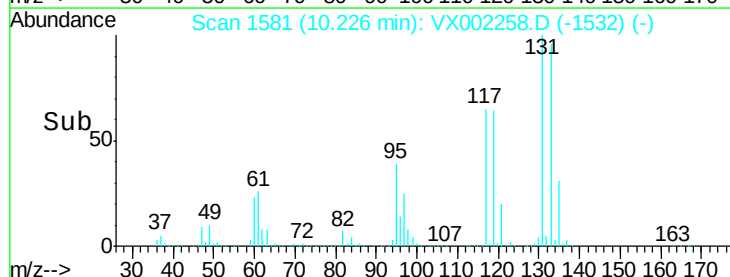
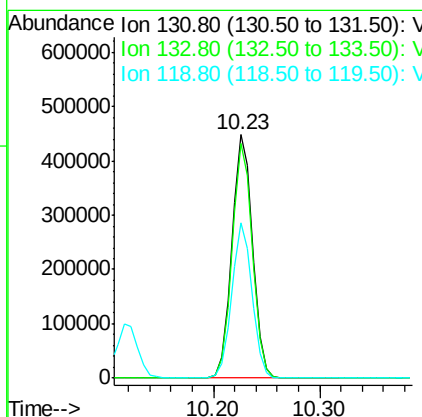
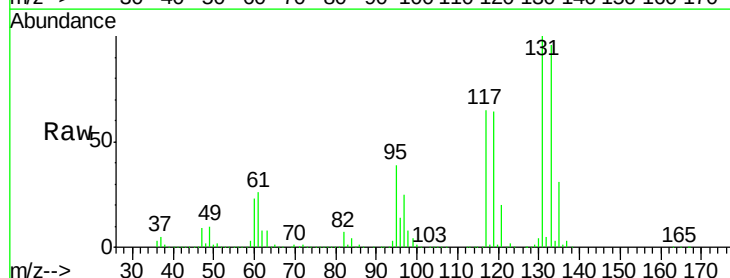
Manual Integrations
APPROVED

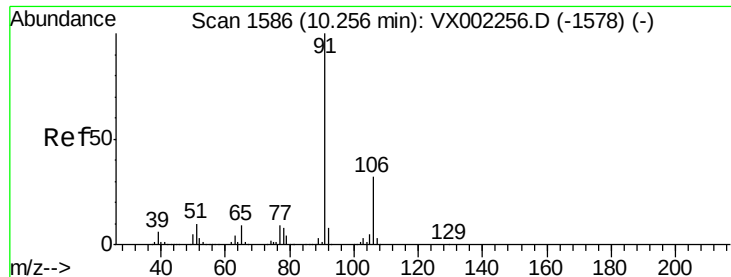
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 154.43 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion:131 Resp: 608323
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.6
119 62.7 31.8 95.3





#67

Ethyl Benzene

Concen: 149.30 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2718262

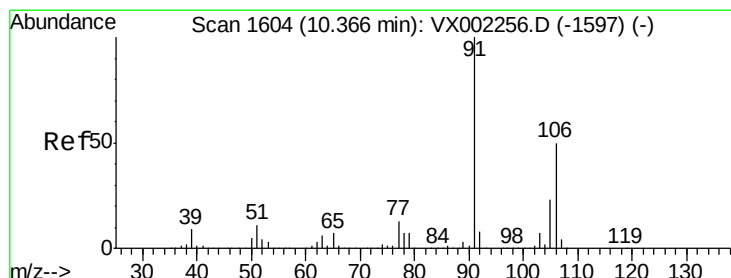
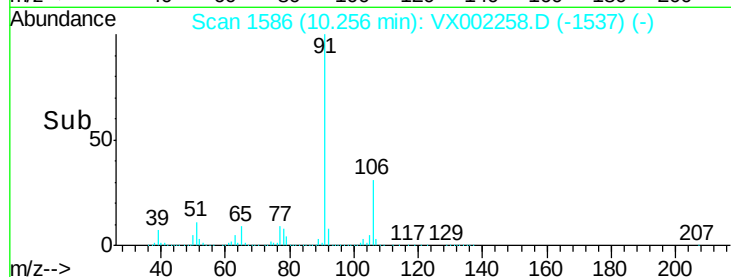
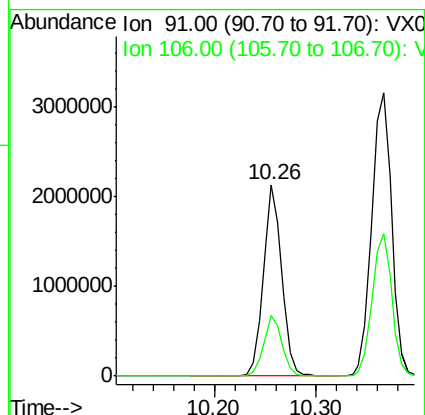
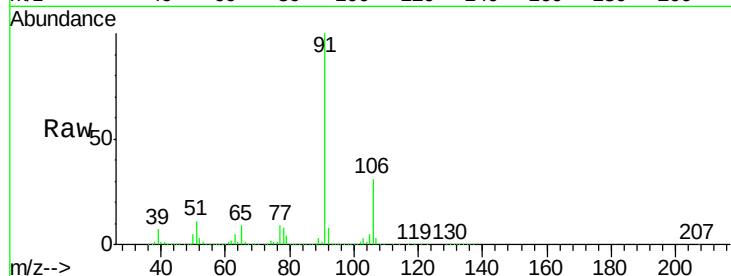
Ion Ratio Lower Upper

91 100

106 31.4 25.5 38.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 302.10 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002258.D

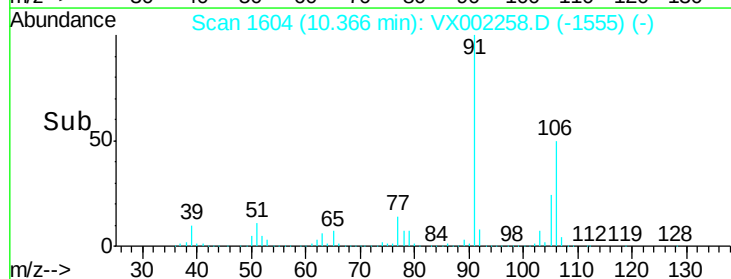
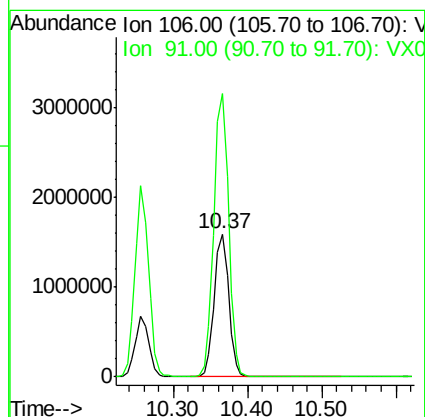
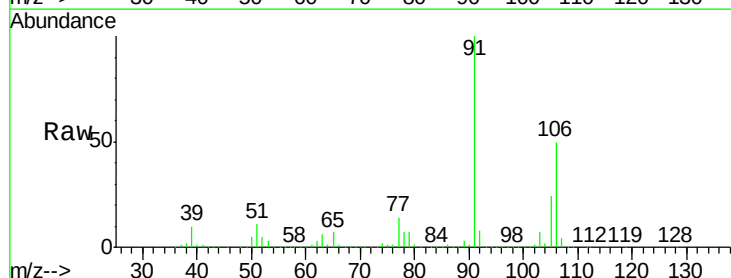
Acq: 04 Jun 2018 12:19

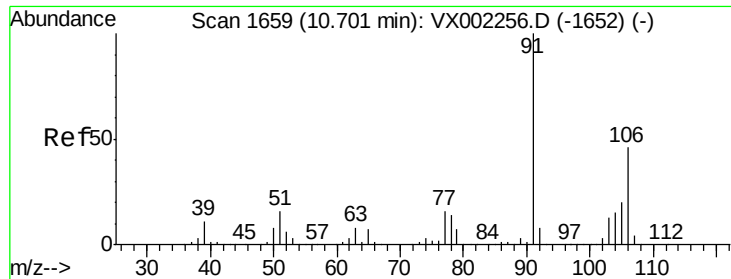
Tgt Ion: 106 Resp: 2138011

Ion Ratio Lower Upper

106 100

91 201.9 163.4 245.2





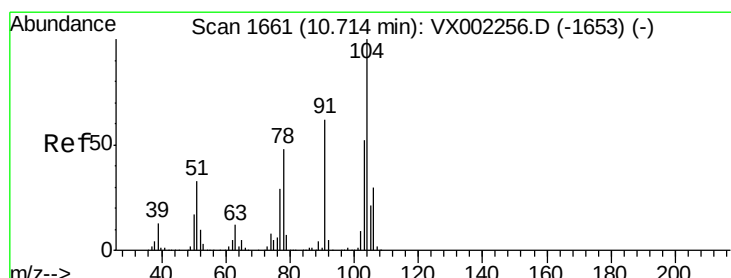
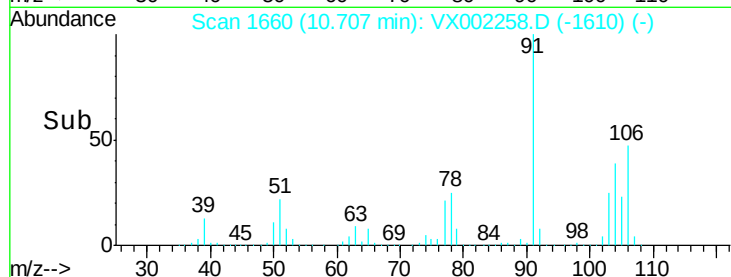
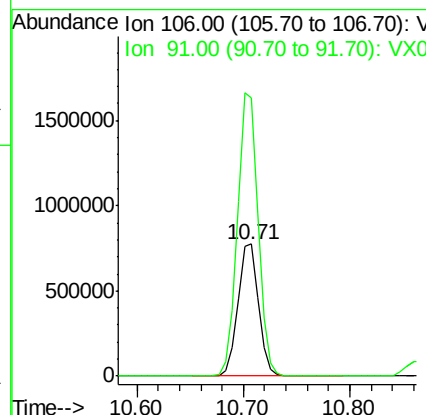
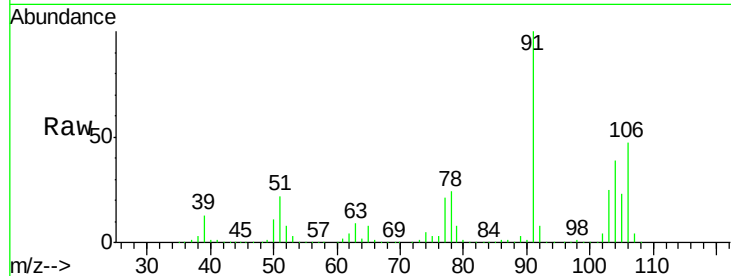
#69
o-Xylene
Concen: 150.30 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1058553
Ion Ratio Lower Upper
106 100
91 214.6 108.2 324.6

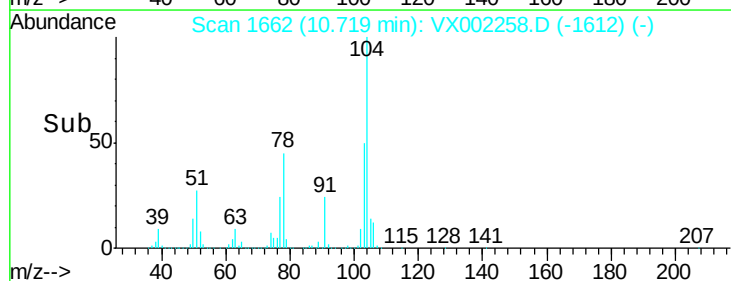
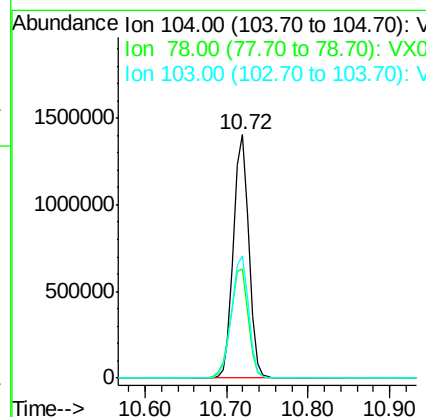
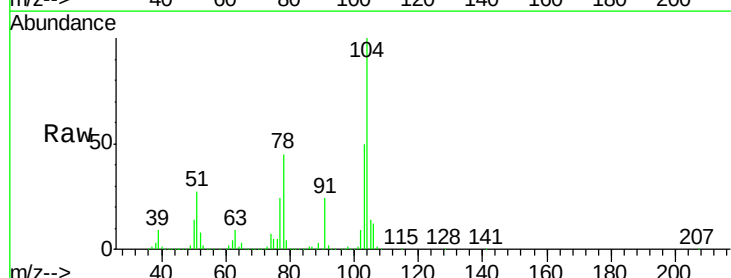
Manual Integrations
APPROVED

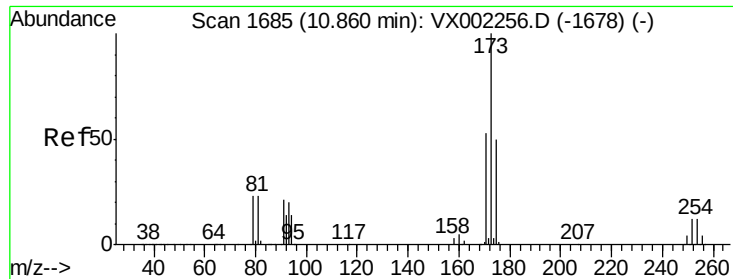
MMDadoda
6/5/2018 5:56:03 PM



#70
Styrene
Concen: 157.77 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion:104 Resp: 1816541
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 182.01 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 568395

Ion Ratio Lower Upper

173 100

175 49.0 24.7 74.1

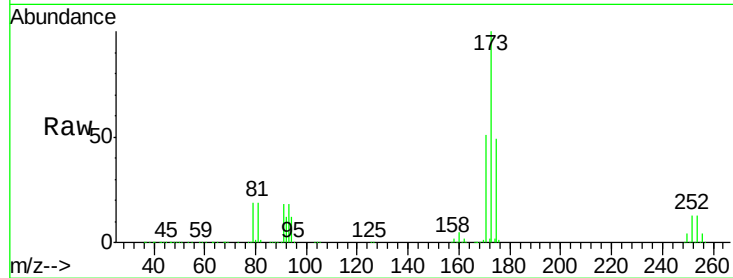
254 0.2 0.2 0.2

Manual Integrations

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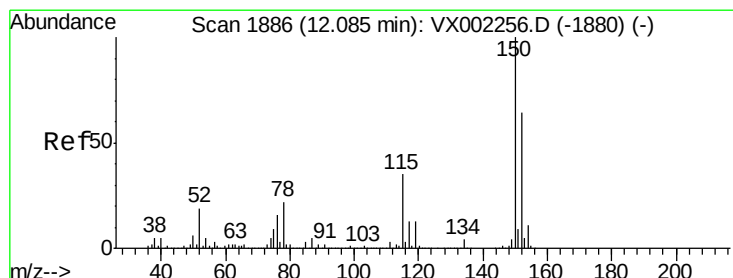
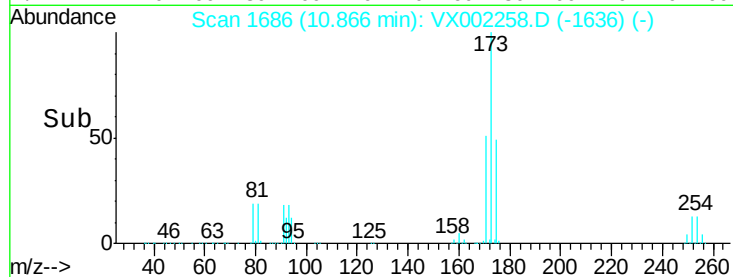
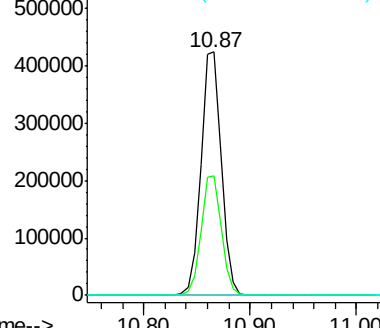
6/5/2018 5:56:03 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

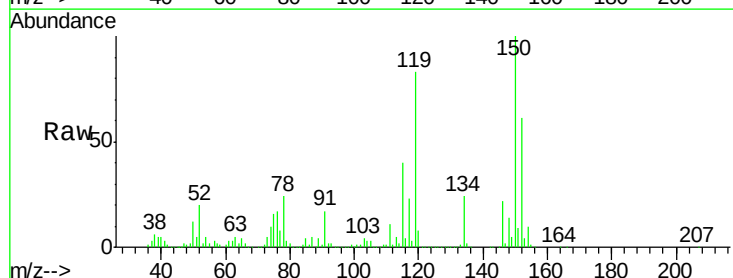
Tgt Ion:152 Resp: 288502

Ion Ratio Lower Upper

152 100

115 131.1 40.1 120.2#

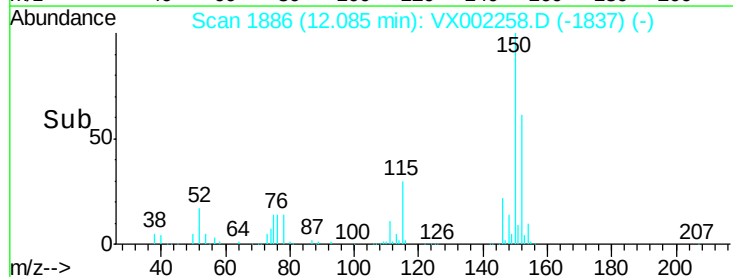
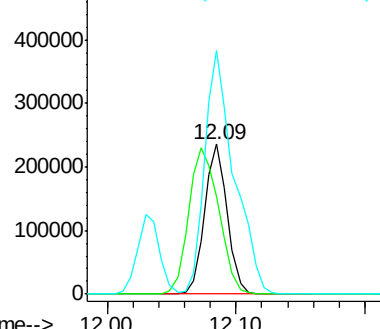
150 211.4 0.0 347.2

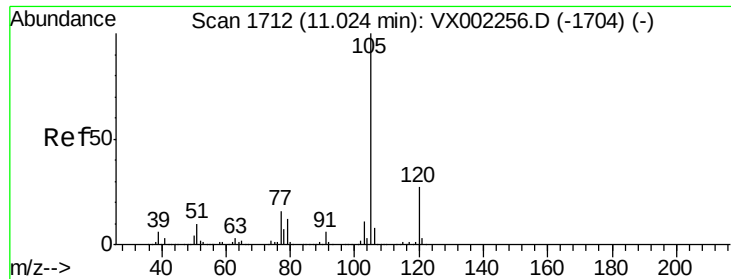


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 142.79 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2865794

Ion Ratio Lower Upper

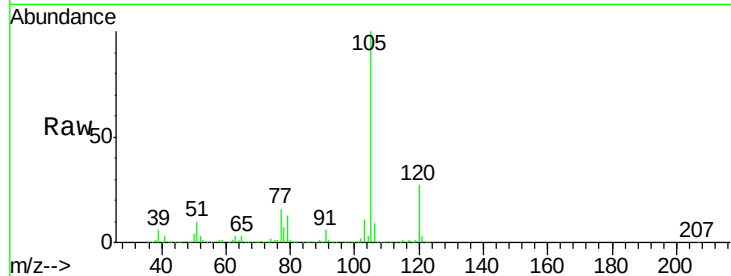
105 100

120 26.9 13.5 40.4

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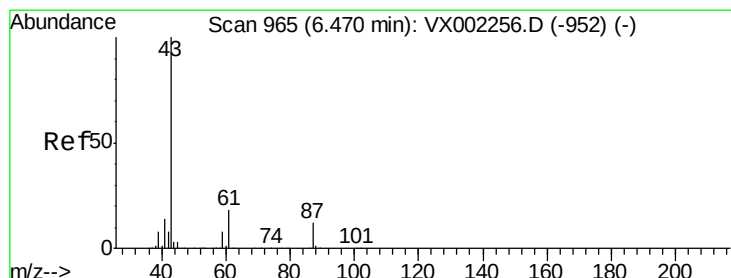
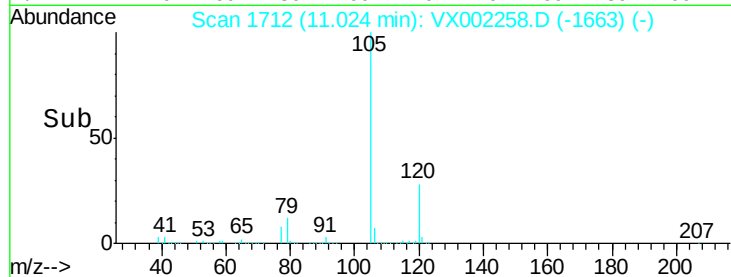
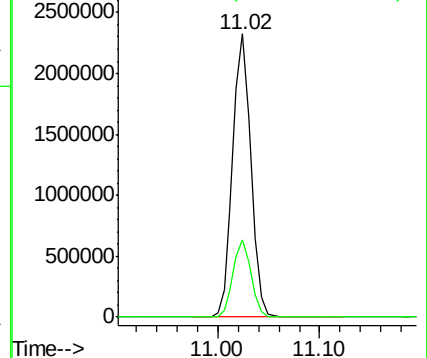
MMDadoda

6/5/2018 5:56:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 128.48 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion: 43 Resp: 1389349

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

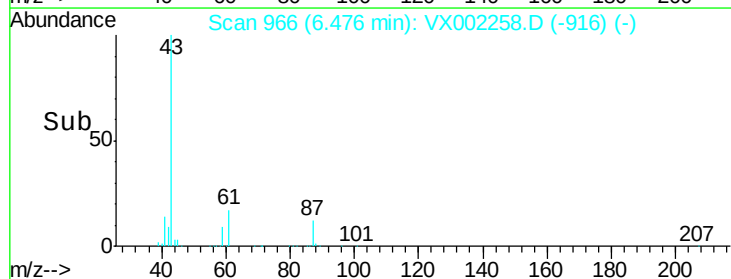
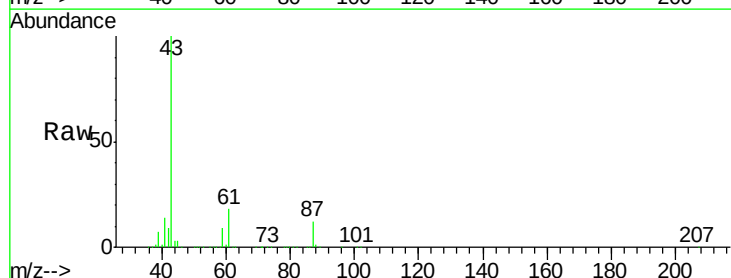
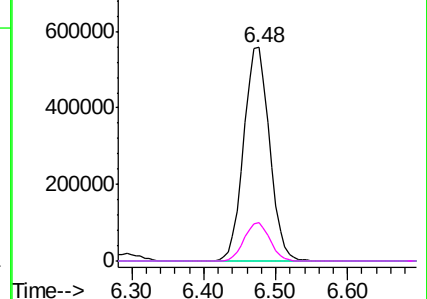
61 18.1 14.4 21.6

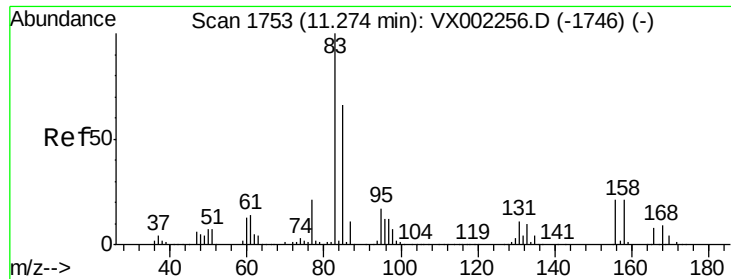
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 135.70 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

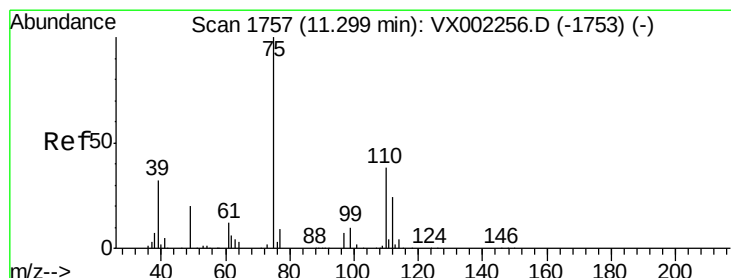
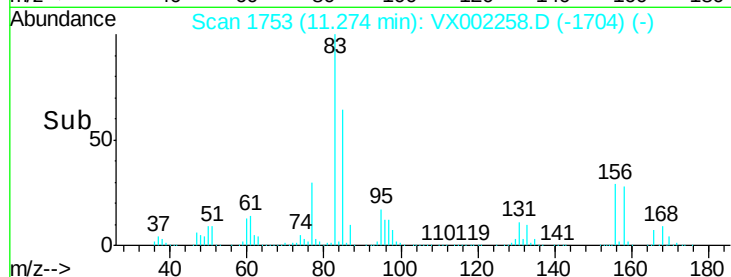
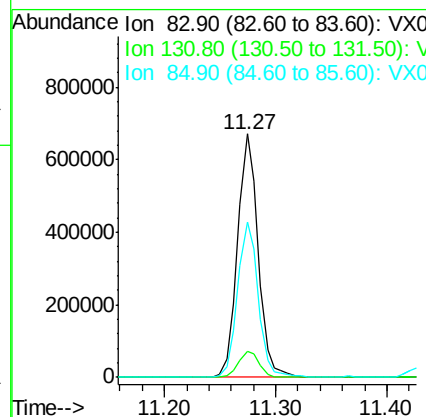
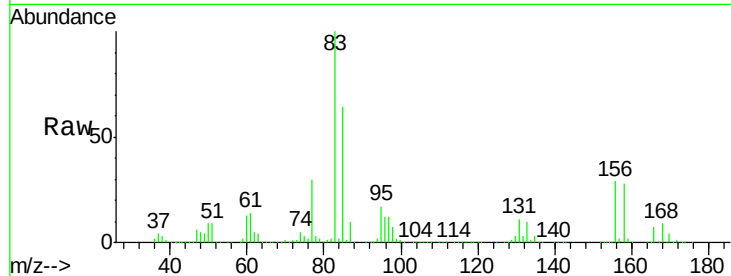
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	856563
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 148.45 ug/l m

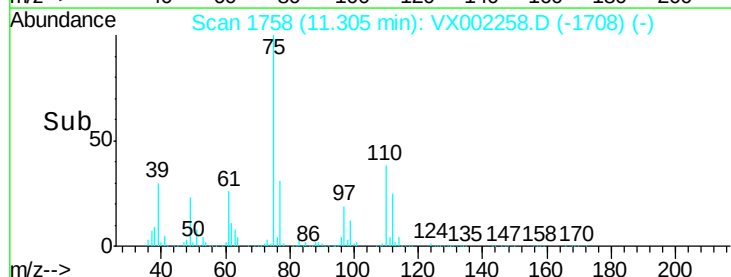
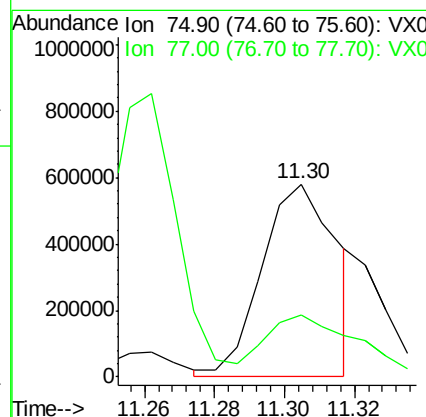
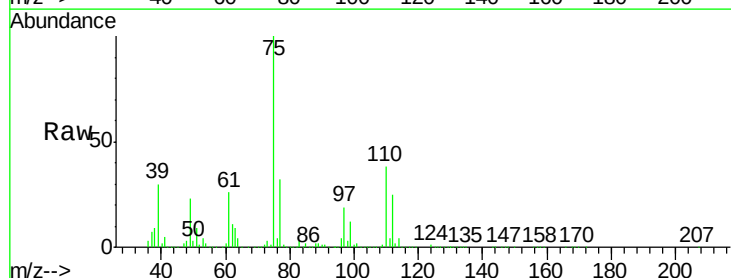
RT: 11.30 min Scan# 1758

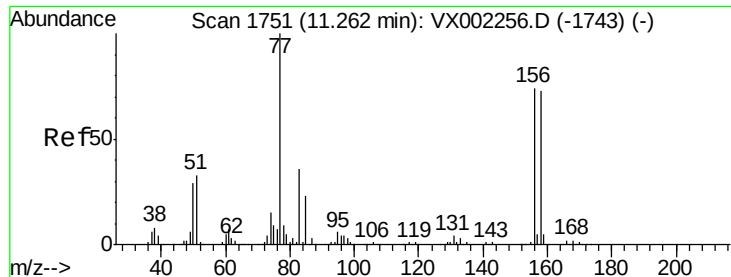
Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion:	75	Resp:	859097
Ion Ratio	Lower	Upper	
75	100		
77	39.3	22.8	68.3





#77

Bromobenzene

Concen: 140.59 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

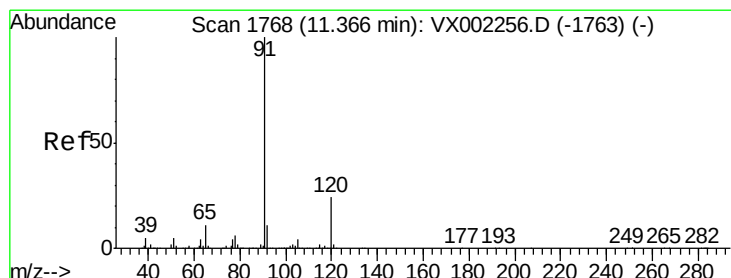
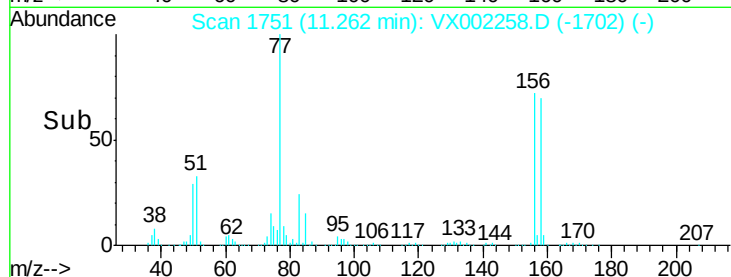
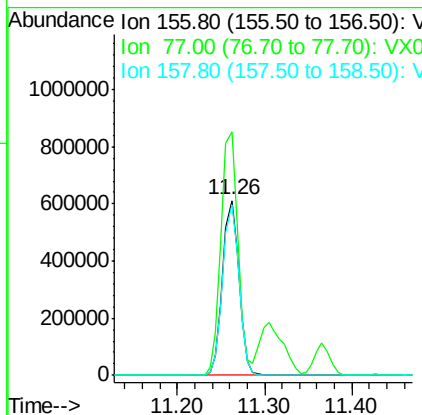
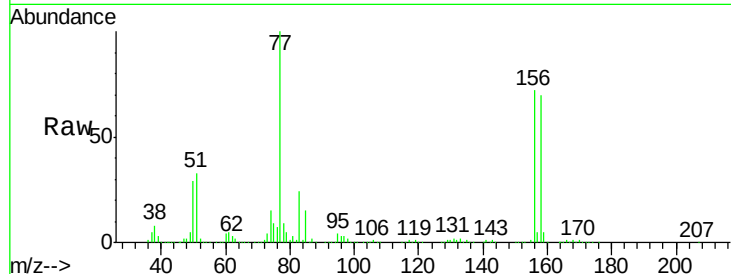
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		792111		
77	144.3	71.4	214.2		
158	97.5	48.9	146.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 147.90 ug/l

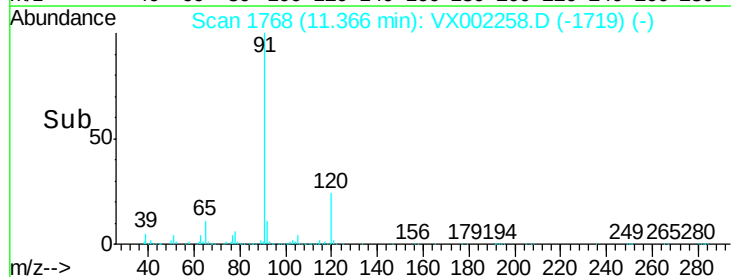
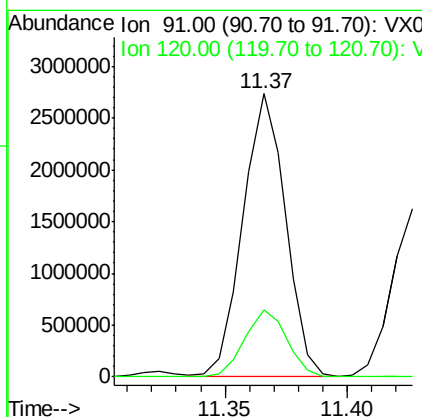
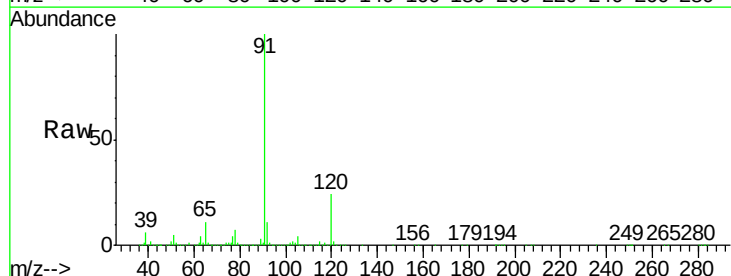
RT: 11.37 min Scan# 1768

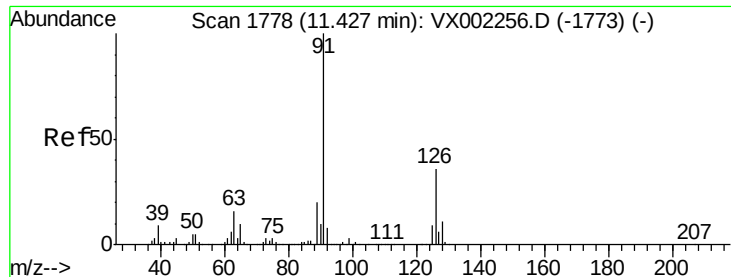
Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		3299283		
120	24.0	11.8	35.4		





#79

2-Chlorotoluene

Concen: 139.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1960398

Ion Ratio Lower Upper

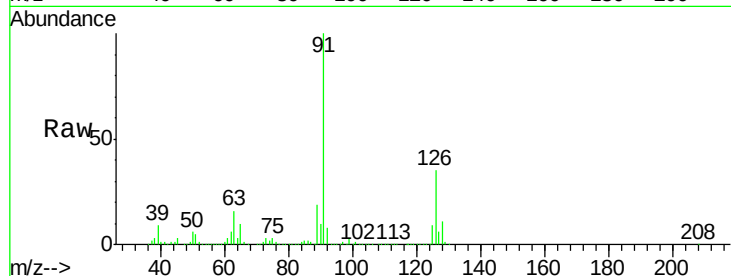
91 100

126 35.4 17.7 53.1

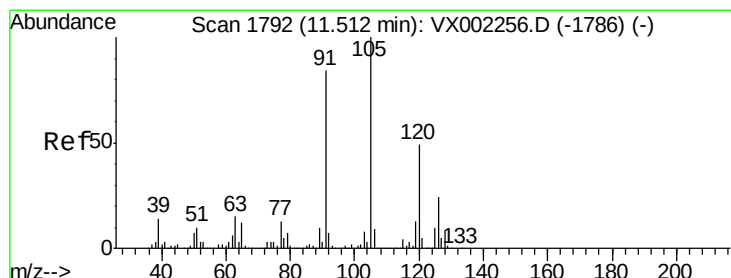
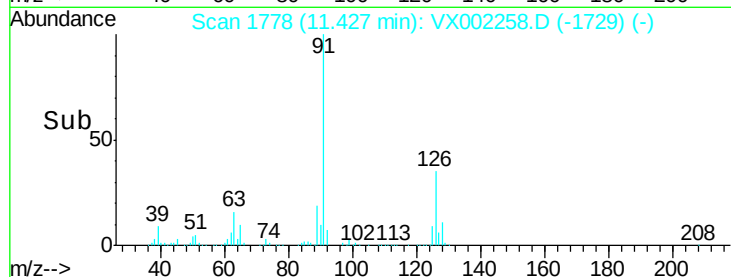
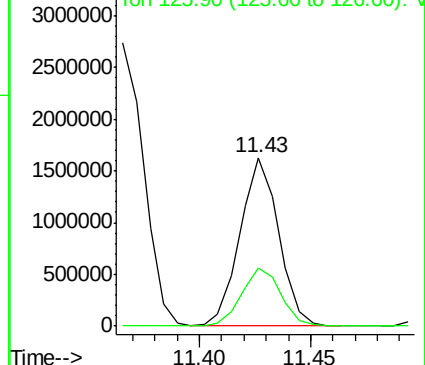
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Abundance Ion 91.00 (90.70 to 91.70): VX002258.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 144.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002258.D

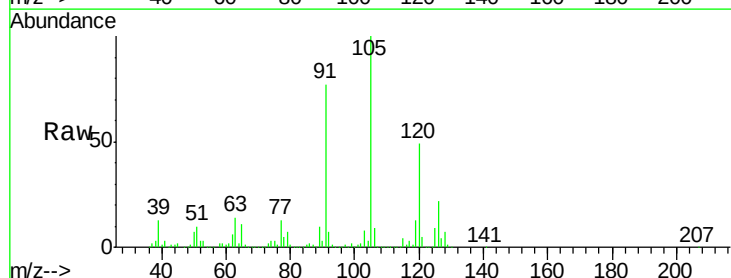
Acq: 04 Jun 2018 12:19

Tgt Ion: 105 Resp: 2492985

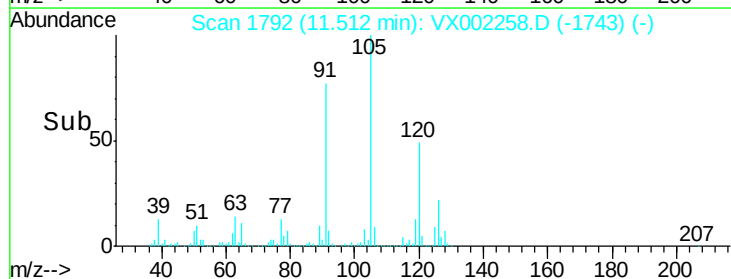
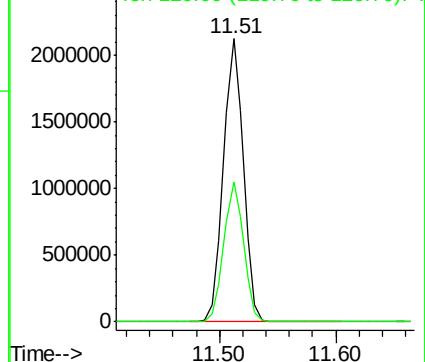
Ion Ratio Lower Upper

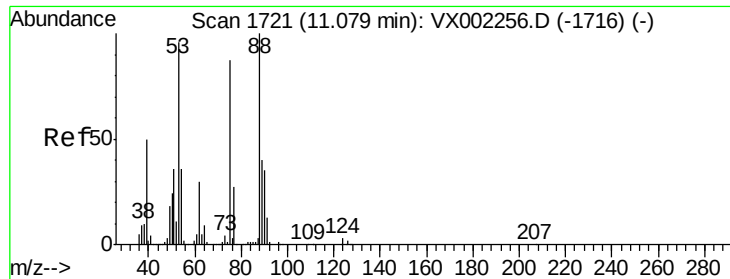
105 100

120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002258.D (-1786) (-)





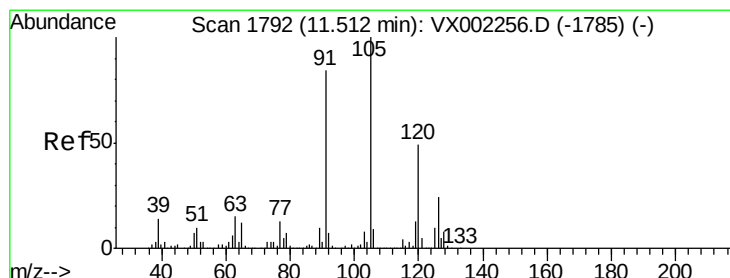
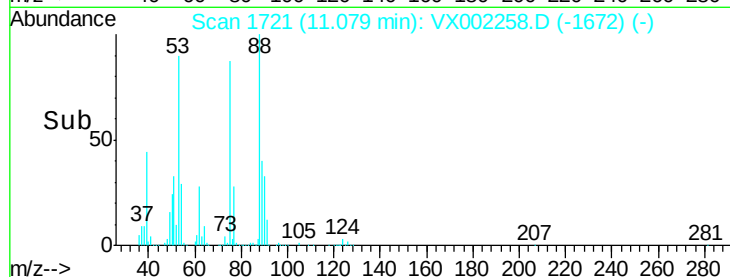
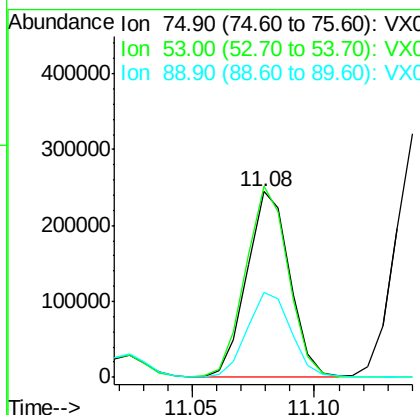
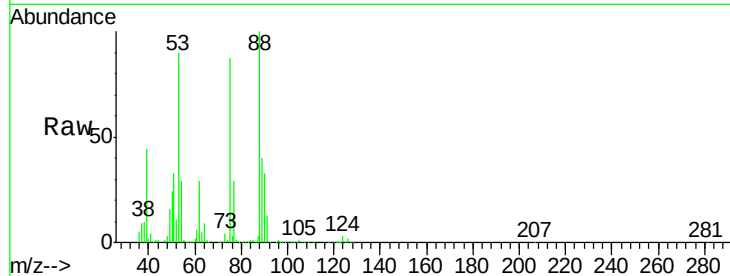
#81
trans-1,4-Dichloro-2-butene
Concen: 165.86 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.7	86.8	130.2
89	47.2	38.2	57.2

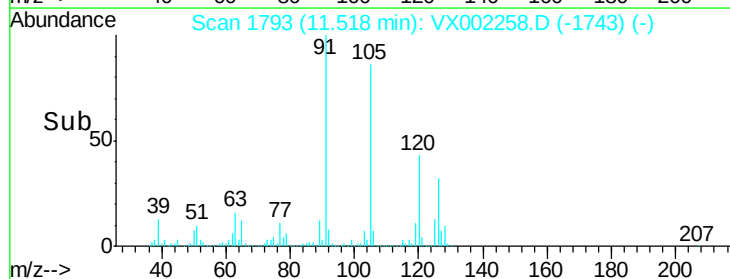
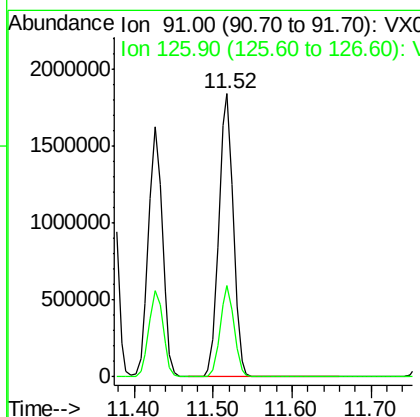
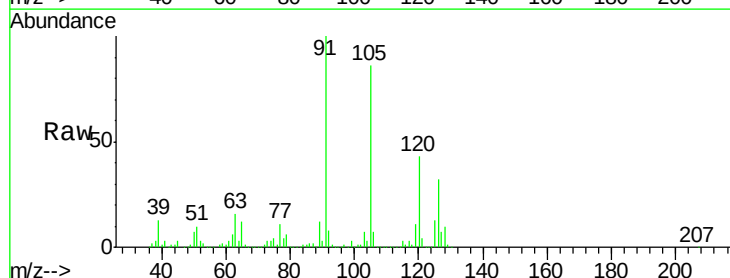
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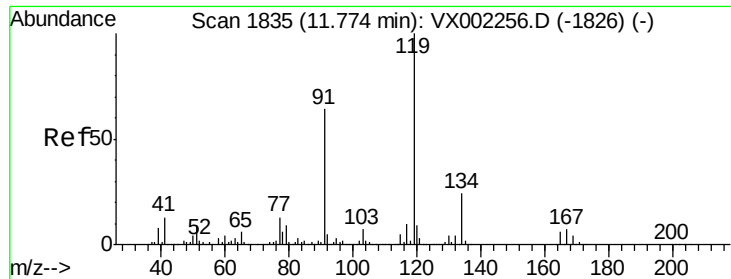
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#82
4-Chlorotoluene
Concen: 145.47 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





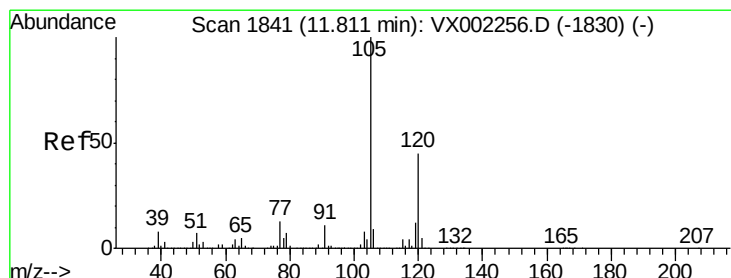
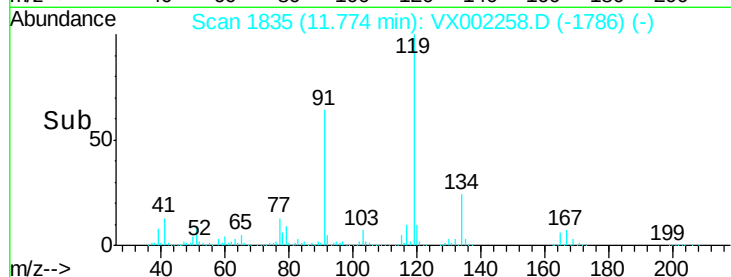
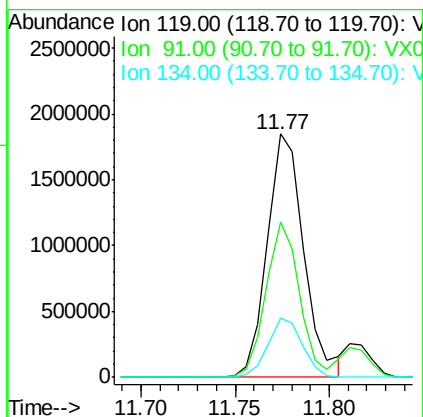
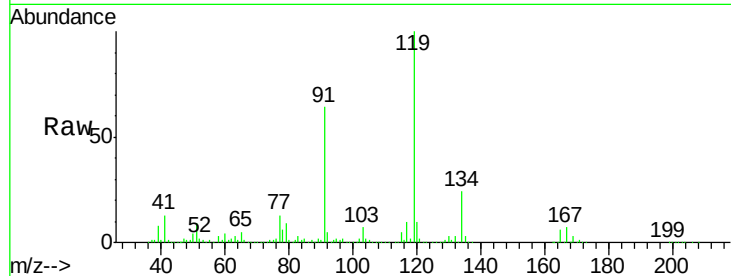
#83
 tert-Butylbenzene
 Concen: 148.78 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.3	90.9
134	23.0	11.7	35.1

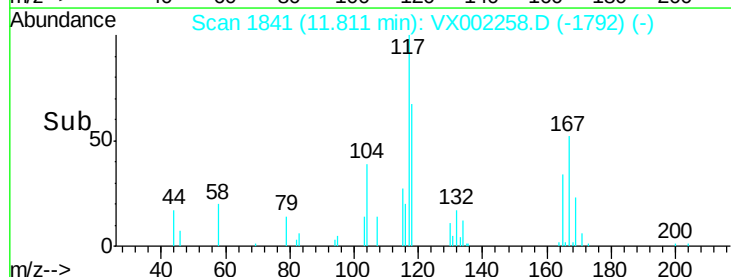
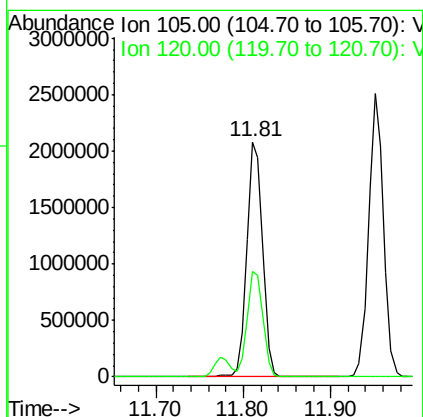
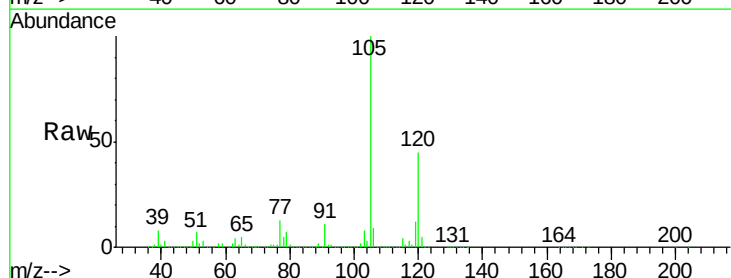
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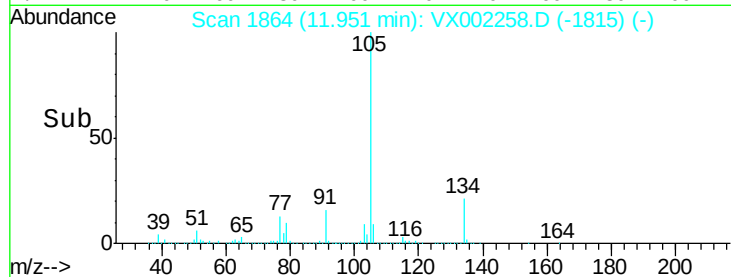
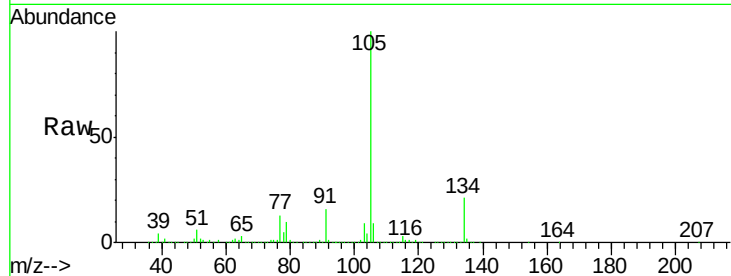
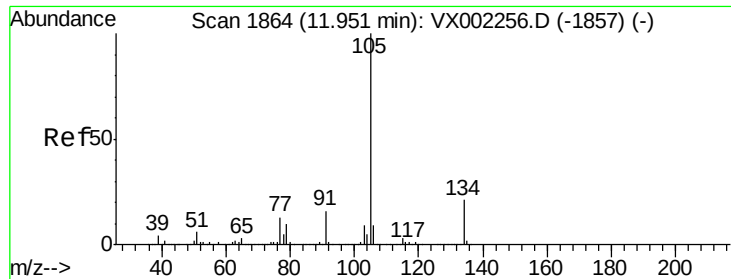
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#84
 1,2,4-Trimethylbenzene
 Concen: 144.61 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8





#85

sec-Butylbenzene

Concen: 152.17 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Tot Ion:105 Resp: 2990427

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

Instrument :

MSVOA_X

ClientSampled :

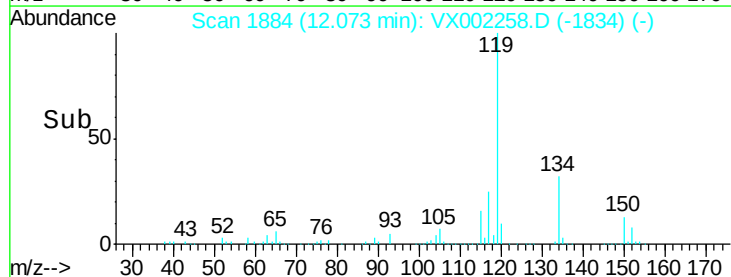
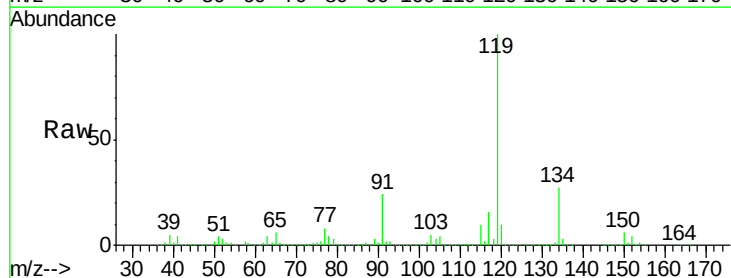
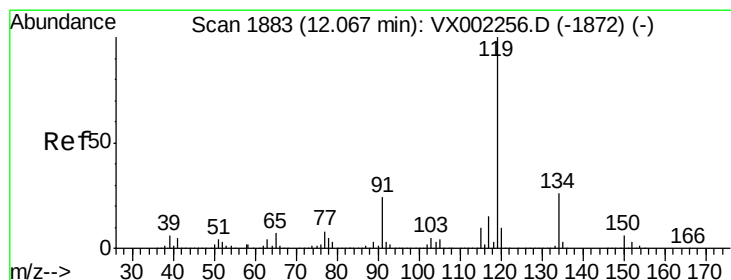
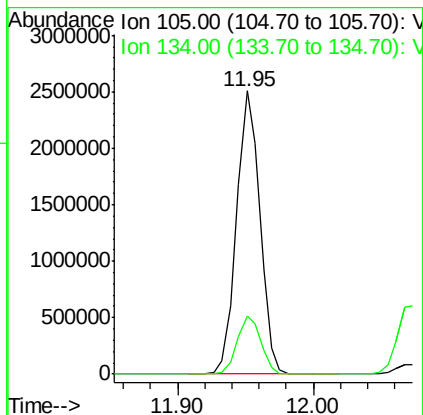
VSTDIC150

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#86

p-Isopropyltoluene

Concen: 152.89 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

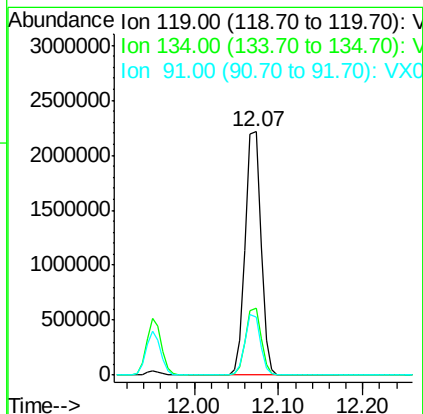
Tgt Ion:119 Resp: 2736672

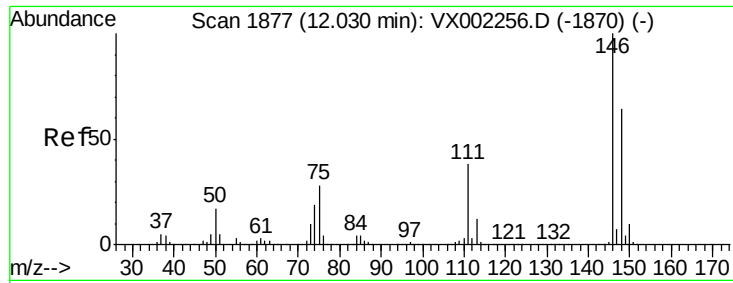
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 24.3 11.9 35.7





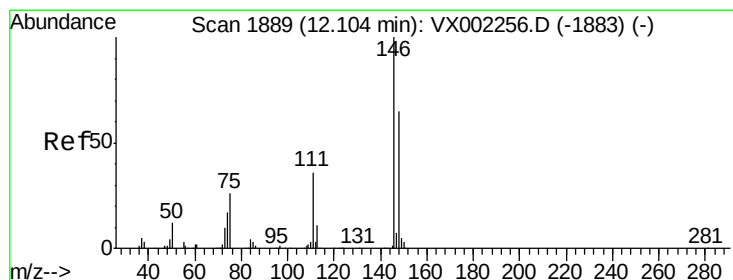
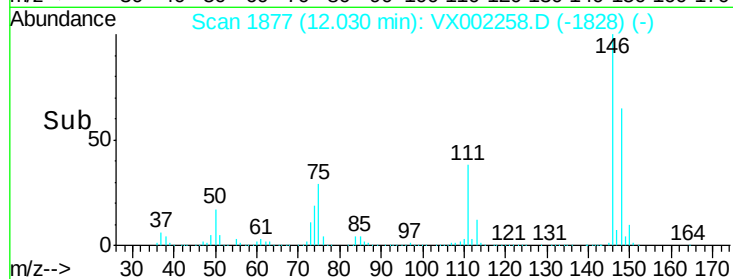
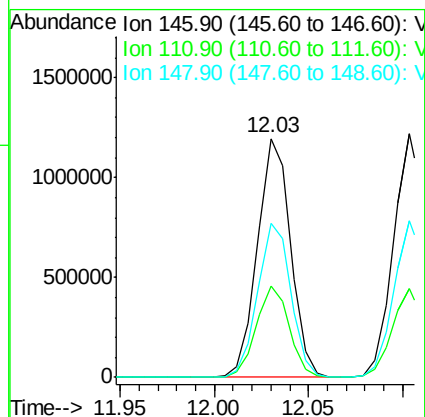
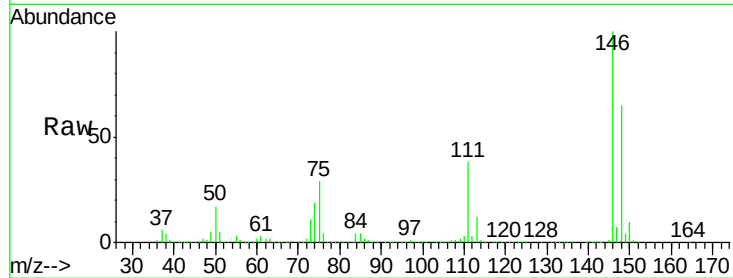
#87
 1,3-Dichlorobenzene
 Concen: 144.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.8	32.1	96.3

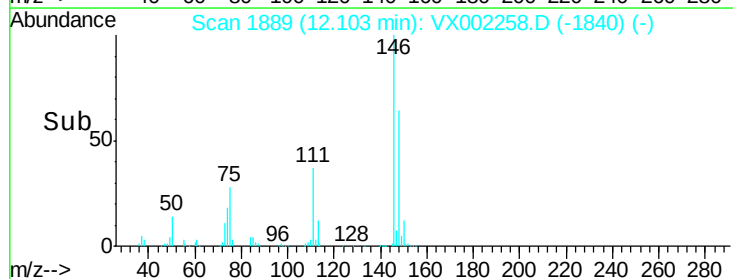
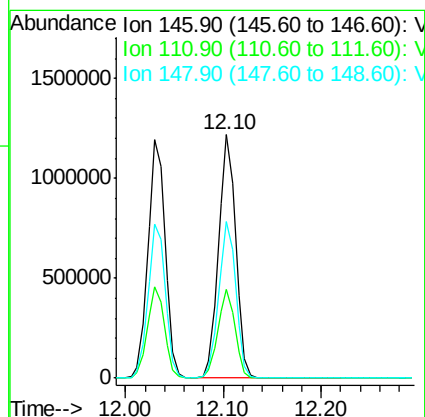
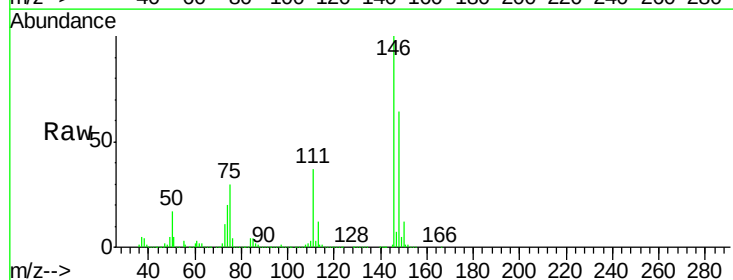
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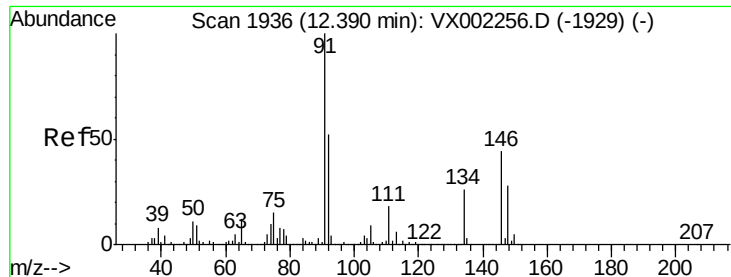
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#88
 1,4-Dichlorobenzene
 Concen: 143.09 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

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





#89

n-Butylbenzene

Concen: 164.96 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX002258.D

Acq: 04 Jun 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2476484

Ion Ratio Lower Upper

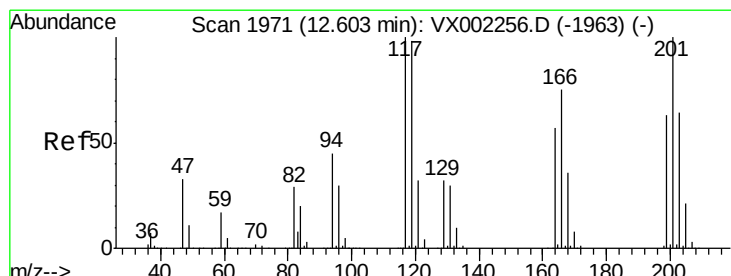
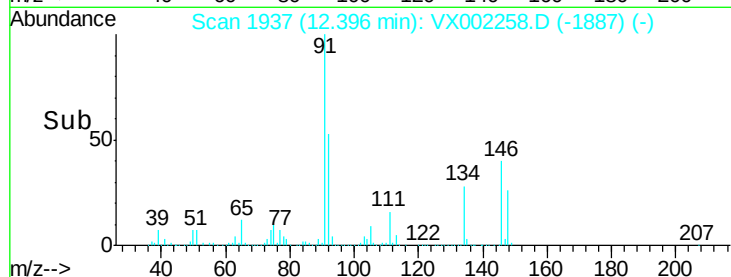
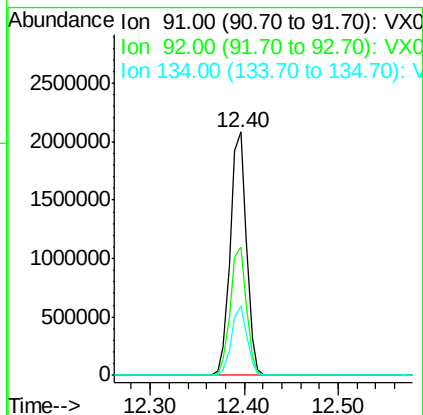
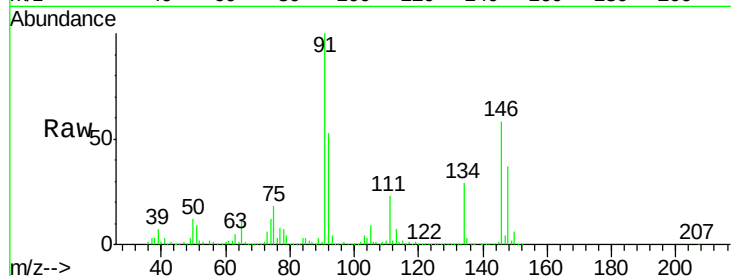
91 100

92 52.8 26.0 78.0

134 27.6 13.5 40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 167.88 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002258.D

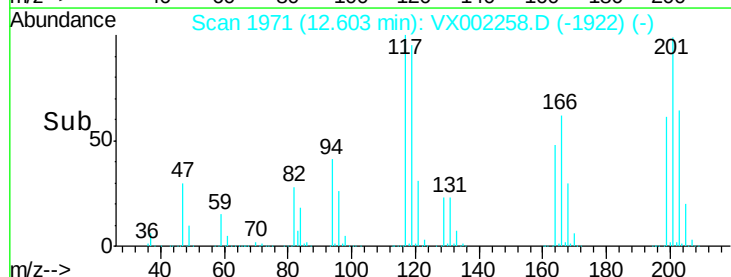
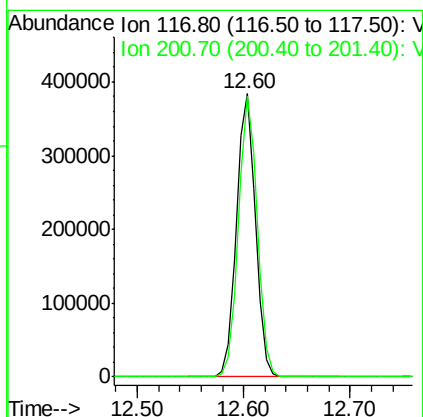
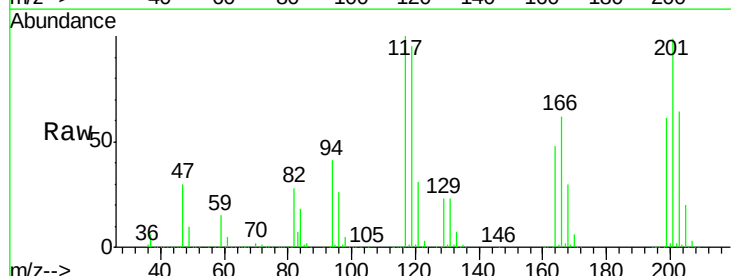
Acq: 04 Jun 2018 12:19

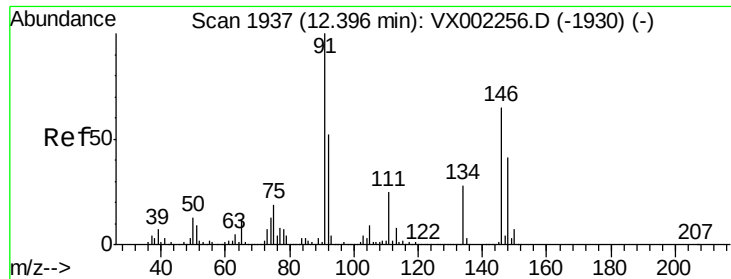
Tgt Ion: 117 Resp: 479685

Ion Ratio Lower Upper

117 100

201 98.4 49.0 147.0





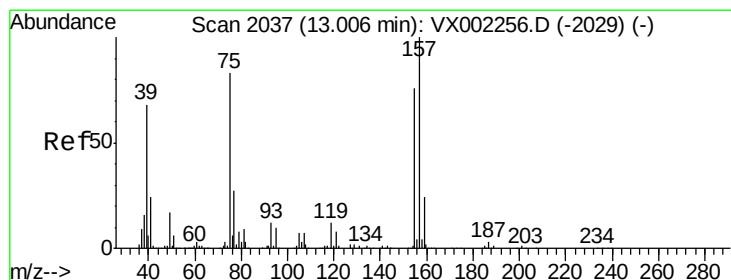
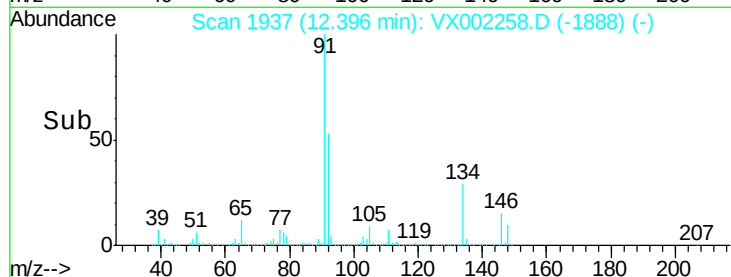
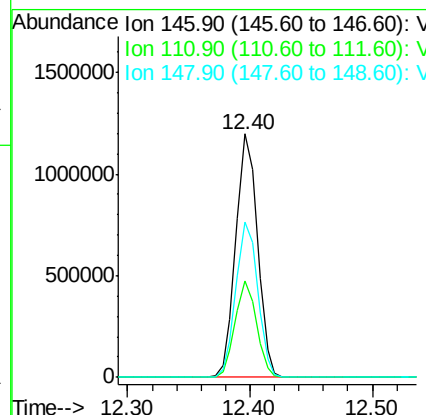
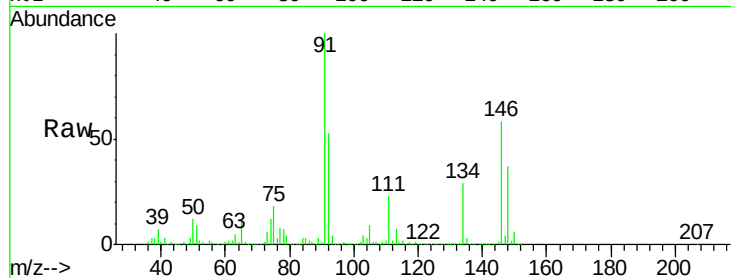
#91
 1,2-Dichlorobenzene
 Concen: 140.71 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.2	31.7	95.1

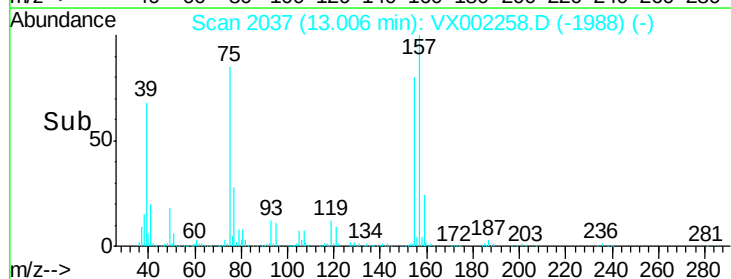
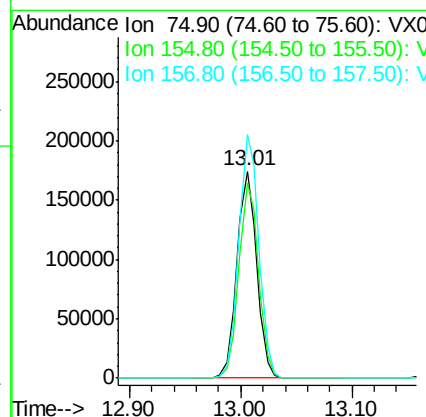
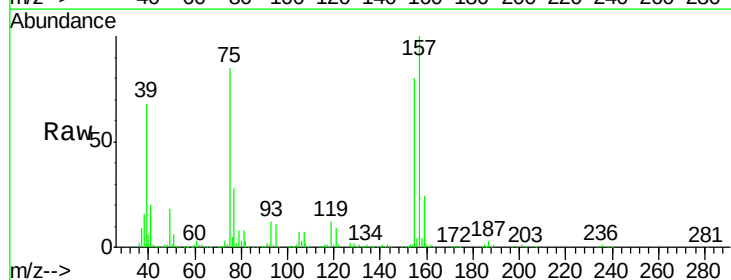
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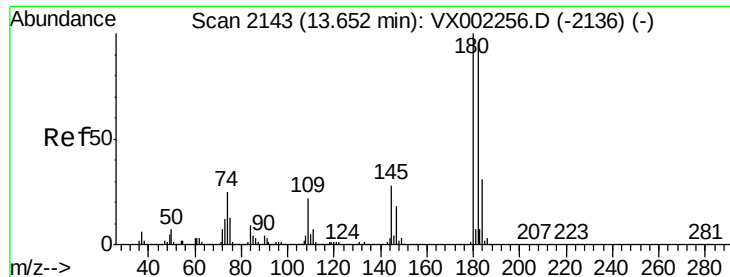
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 154.94 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	45.8	137.4
157	119.6	60.1	180.3





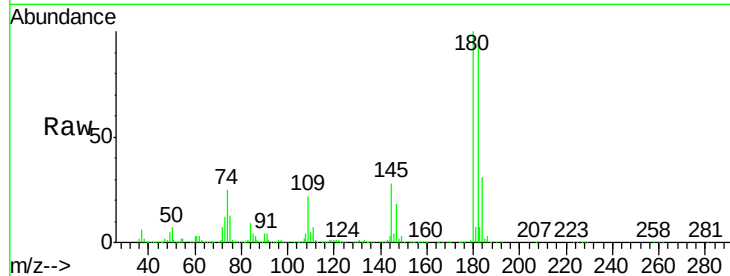
#93
 1,2,4-Trichlorobenzene
 Concen: 154.53 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

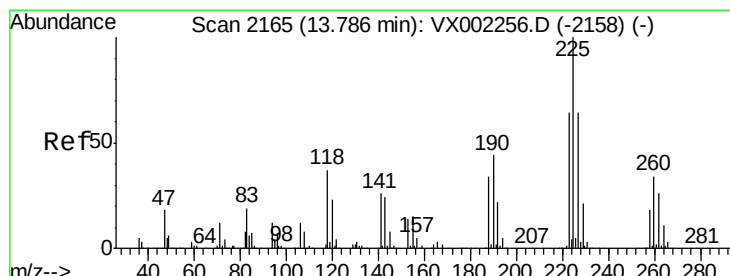
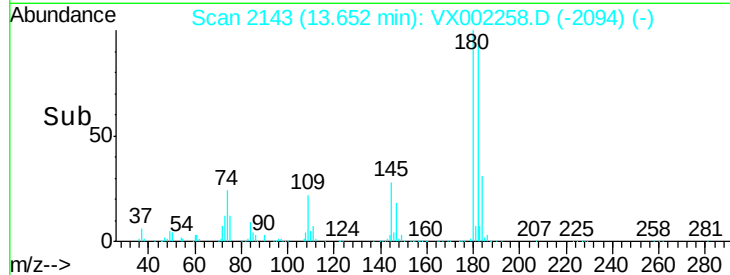
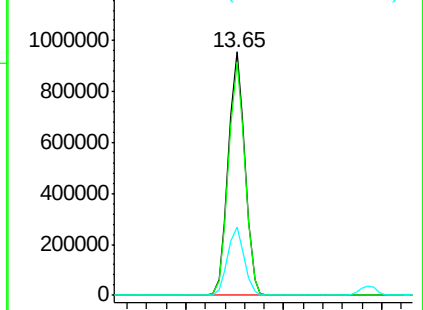
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.7	143.1
145	28.1	14.1	42.4

Manual Integrations
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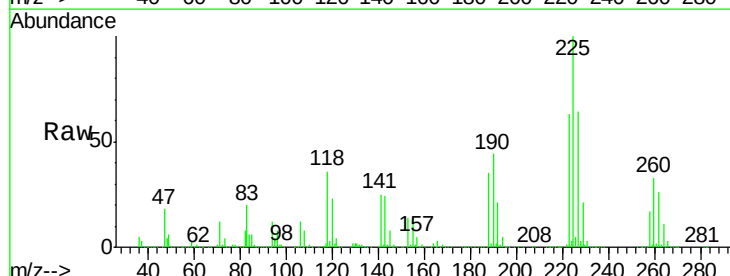


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

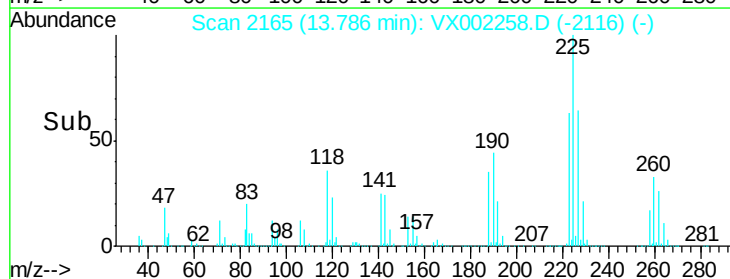
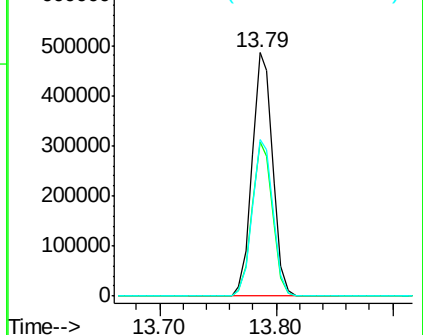


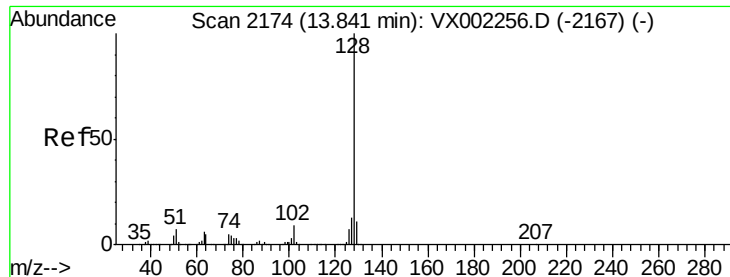
#94
 Hexachlorobutadiene
 Concen: 164.78 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002258.D
 Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	64.3	32.4	97.2



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





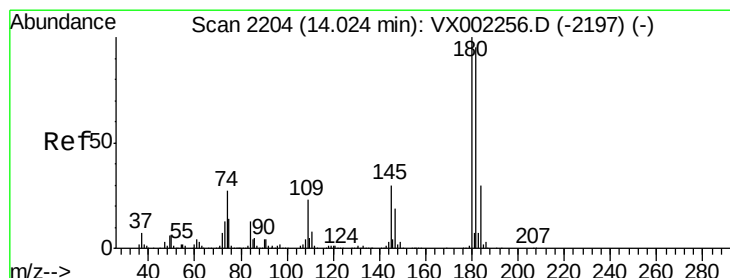
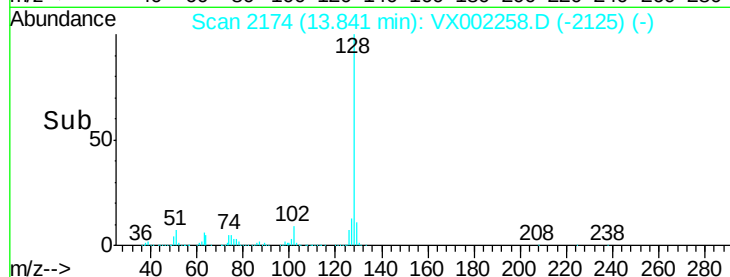
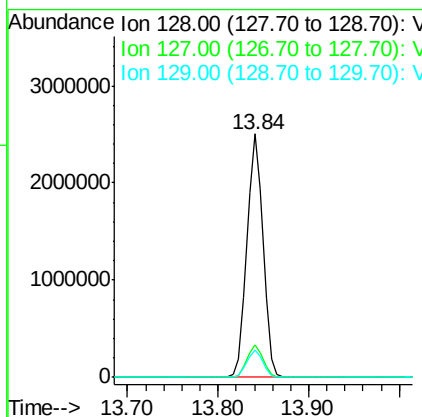
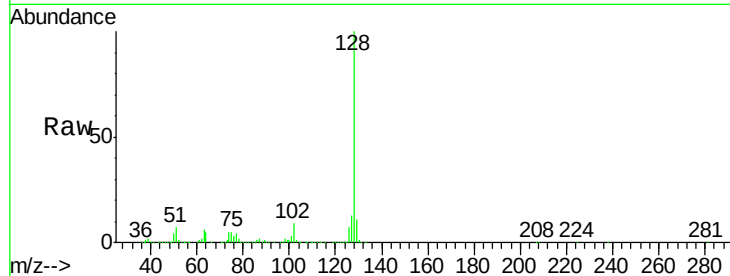
#95
Naphthalene
Concen: 146.59 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 149.79 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002258.D
Acq: 04 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.0
145	29.7	14.8	44.3

