

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002460.D
 Acq On : 12 Jun 2018 12:16
 Operator : JC/MD
 Sample : VX0612WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2018 1:59:35 PM

Quant Time: Jun 12 15:05:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180435	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
35) Dibromofluoromethane	5.51	113	139443	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
50) Toluene-d8	8.72	98	534368	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	11.14	95	203705	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53749	18.533	ug/l	100
3) Chloromethane	1.33	50	60405	16.239	ug/l	99
4) Vinyl Chloride	1.41	62	69483	19.010	ug/l	100
5) Bromomethane	1.64	94	38165	16.194	ug/l	99
6) Chloroethane	1.73	64	46909	19.840	ug/l	99
7) Trichlorofluoromethane	1.93	101	117501	21.099	ug/l	100
8) Diethyl Ether	2.19	74	42705	20.148	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69923	23.267	ug/l	99
10) Methyl Iodide	2.51	142	52198	12.348	ug/l	97
11) Tert butyl alcohol	3.06	59	79888	84.613	ug/l	98
12) 1,1-Dichloroethene	2.38	96	58636	19.743	ug/l	99
13) Acrolein	2.30	56	26159	58.566	ug/l	99
14) Allyl chloride	2.73	41	117290	18.197	ug/l	98
15) Acrylonitrile	3.15	53	174775	97.006	ug/l	100
16) Acetone	2.45	43	199287	105.031	ug/l	100
17) Carbon Disulfide	2.57	76	129901	16.595	ug/l	99
18) Methyl Acetate	2.78	43	85226	19.687	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	220808	19.911	ug/l	100
20) Methylene Chloride	2.86	84	66976	19.549	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	62651	19.129	ug/l	96
22) Diisopropyl ether	3.87	45	239829	21.423	ug/l	96
23) Vinyl Acetate	3.83	43	1017080	97.340	ug/l	100
24) 1,1-Dichloroethane	3.70	63	127001	19.936	ug/l	100
25) 2-Butanone	4.70	43	231221	84.527	ug/l	99
26) 2,2-Dichloropropane	4.59	77	88518	17.776	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	63435	17.809	ug/l	95
28) Bromochloromethane	5.02	49	62469	20.992	ug/l	99
29) Tetrahydrofuran	5.17	42	140016	79.389	ug/l	98
30) Chloroform	5.22	83	113200	18.415	ug/l	97
31) Cyclohexane	5.58	56	95606	18.979	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	97259	18.656	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80810	19.674	ug/l	98
37) Ethyl Acetate	4.86	43	87947	17.804	ug/l	100
38) Carbon Tetrachloride	5.79	117	84236	19.603	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002460.D
 Acq On : 12 Jun 2018 12:16
 Operator : JC/MD
 Sample : VX0612WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Manual Integrations
 APPROVED

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 6/13/2018 1:59:35 PM

Quant Time: Jun 12 15:05:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99185	19.705	ug/l	99
40) Benzene	6.15	78	237480	18.856	ug/l	100
41) Methacrylonitrile	5.06	41	50038	17.695	ug/l	98
42) 1,2-Dichloroethane	6.20	62	96096	19.205	ug/l	100
43) Isopropyl Acetate	6.46	43	147611	17.593	ug/l	100
44) Trichloroethene	7.22	130	67378	19.276	ug/l	95
45) 1,2-Dichloropropane	7.52	63	63522	18.683	ug/l	98
46) Dibromomethane	7.66	93	43188	18.738	ug/l	98
47) Bromodichloromethane	7.90	83	78941	18.937	ug/l	97
48) Methyl methacrylate	7.78	41	75926	18.016	ug/l	98
49) 1,4-Dioxane	7.76	88	29086	369.111	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	477077	91.308	ug/l	100
52) Toluene	8.79	92	158206	19.751	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	92139	18.431	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	85346	18.096	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	64545	19.592	ug/l	98
56) Ethyl methacrylate	9.18	69	95339	18.126	ug/l	99
57) 1,3-Dichloropropane	9.38	76	105910	19.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	237272	97.466	ug/l	99
59) 2-Hexanone	9.50	43	373768	92.614	ug/l	100
60) Dibromochloromethane	9.59	129	62388	18.827	ug/l	99
61) 1,2-Dibromoethane	9.68	107	66128	19.251	ug/l	100
64) Tetrachloroethene	9.34	164	75694	19.424	ug/l	97
65) Chlorobenzene	10.14	112	183279	19.493	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	64563	18.964	ug/l	100
67) Ethyl Benzene	10.26	91	313745	19.939	ug/l	98
68) m/p-Xylenes	10.36	106	243345	39.785	ug/l	100
69) o-Xylene	10.70	106	118773	19.513	ug/l	99
70) Styrene	10.71	104	197452	19.843	ug/l	100
71) Bromoform	10.86	173	45929	17.479	ug/l #	99
73) Isopropylbenzene	11.02	105	329746	19.334	ug/l	100
74) N-amyl acetate	6.46	43	147611	16.063	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	95137	17.736	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84299m	15.670	ug/l	
77) Bromobenzene	11.26	156	86563	18.079	ug/l	100
78) n-propylbenzene	11.37	91	384196	20.268	ug/l	100
79) 2-Chlorotoluene	11.43	91	220325	18.407	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	279483	19.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23140	15.078	ug/l	89
82) 4-Chlorotoluene	11.51	91	264159	19.120	ug/l	100
83) tert-Butylbenzene	11.77	119	277202	19.460	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	286794	19.046	ug/l	99
85) sec-Butylbenzene	11.95	105	345299	20.677	ug/l	100
86) p-Isopropyltoluene	12.07	119	312381	20.536	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164425	19.206	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	169035	19.156	ug/l	100
89) n-Butylbenzene	12.39	91	277611	21.761	ug/l	99
90) Hexachloroethane	12.60	117	43337	17.848	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	167206	18.877	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19132	16.310	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061218\
Data File : VX002460.D
Acq On : 12 Jun 2018 12:16
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

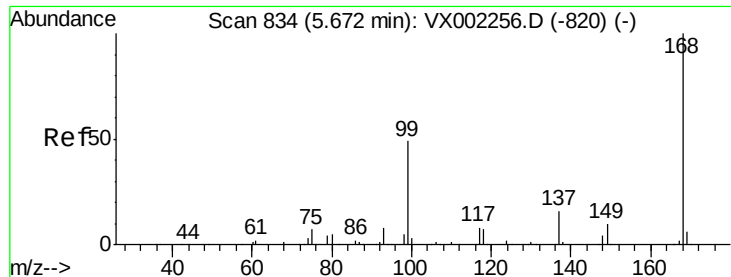
Manual Integrations
APPROVED

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6/13/2018 1:59:35 PM

Quant Time: Jun 12 15:05:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122903	19.788	ug/l	100
94) Hexachlorobutadiene	13.79	225	66662	21.720	ug/l	99
95) Naphthalene	13.84	128	328701	18.420	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124220	19.611	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:168 Resp: 278988

Ion Ratio Lower Upper

168 100

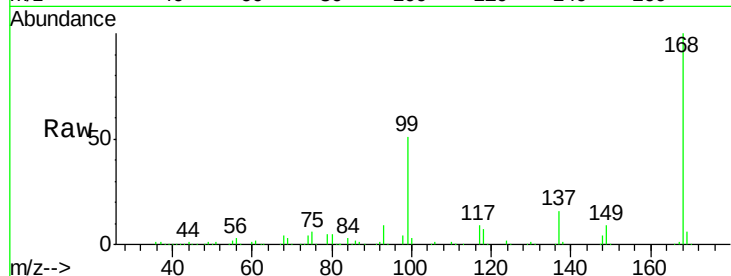
99 51.2 39.3 58.9

Manual Integrations

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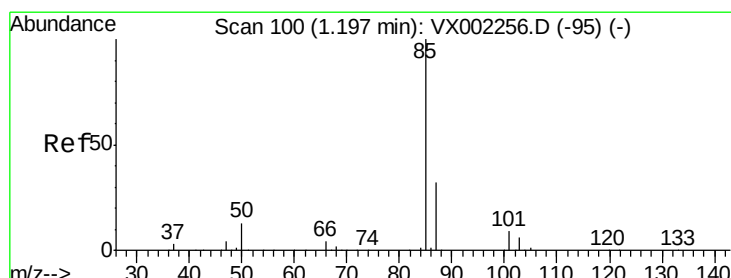
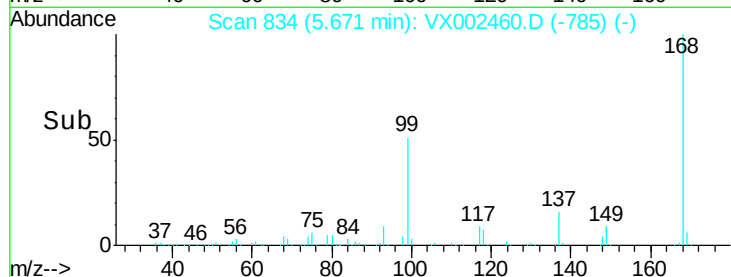
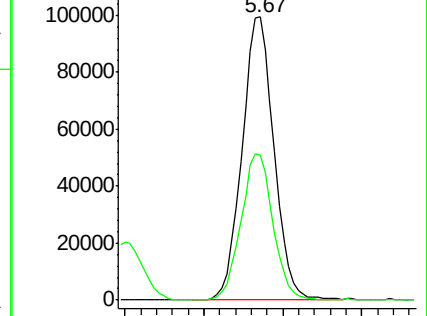
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.533 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002460.D

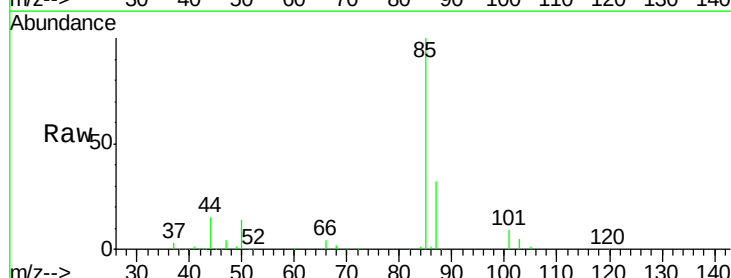
Acq: 12 Jun 2018 12:16

Tgt Ion: 85 Resp: 53749

Ion Ratio Lower Upper

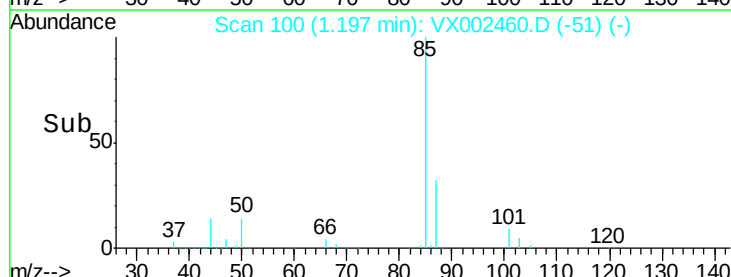
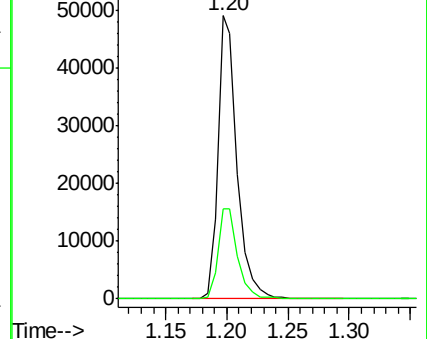
85 100

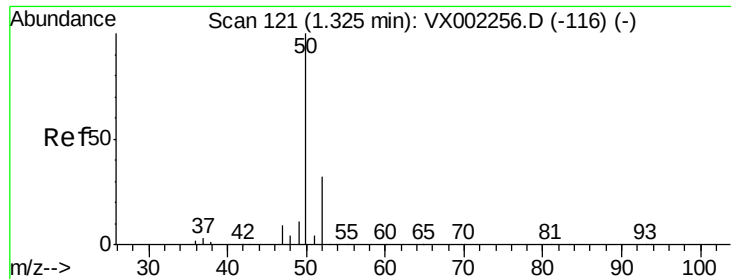
87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.239 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 50 Resp: 60405

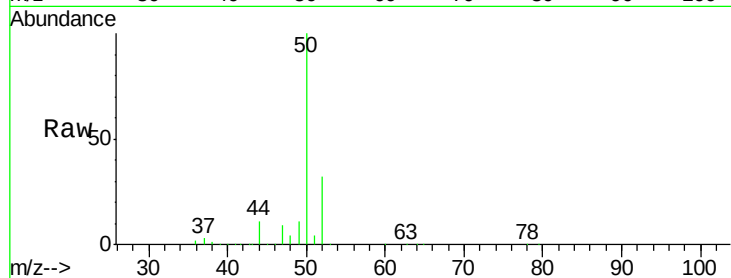
Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5

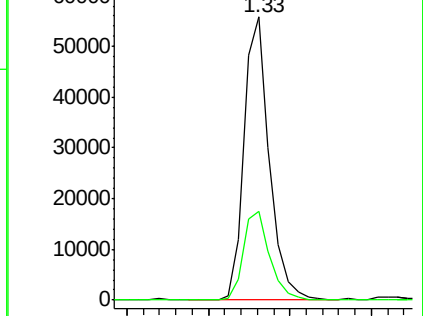
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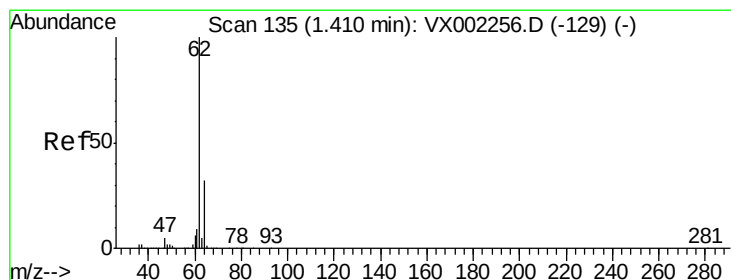
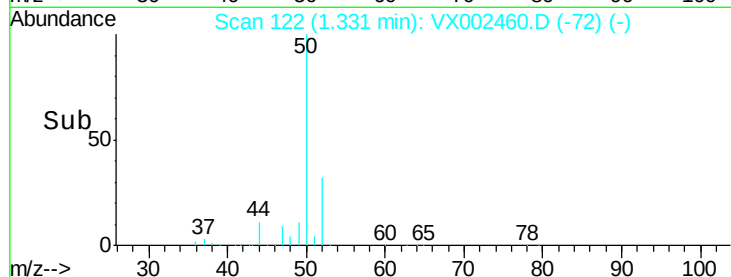


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.010 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002460.D

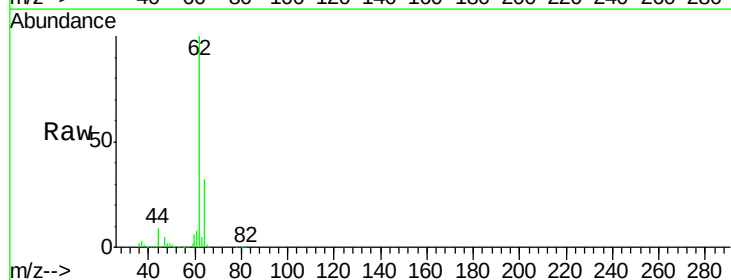
Acq: 12 Jun 2018 12:16

Tgt Ion: 62 Resp: 69483

Ion Ratio Lower Upper

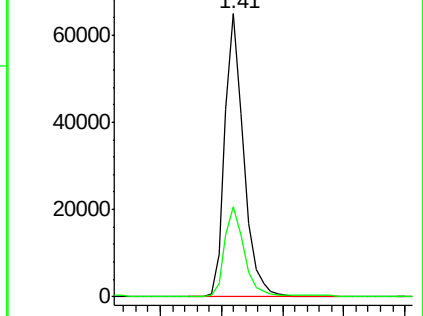
62 100

64 31.9 25.4 38.2

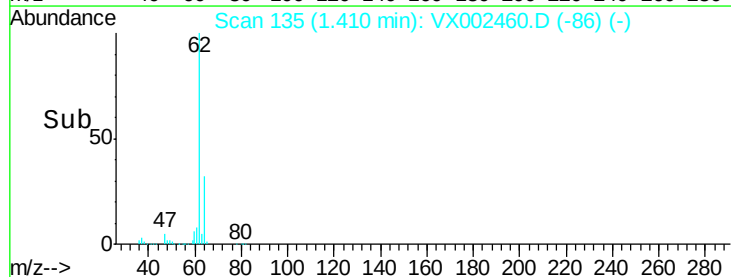


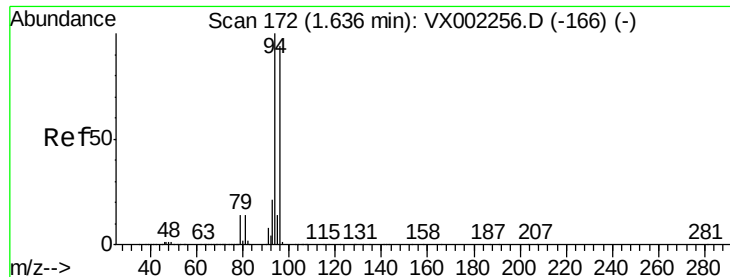
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 16.194 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 94 Resp: 38165

Ion Ratio Lower Upper

94 100

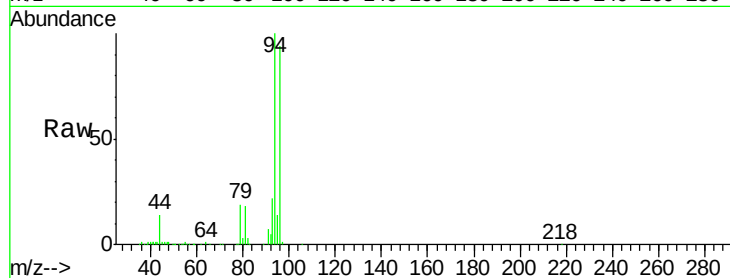
96 94.2 74.9 112.3

Manual Integrations

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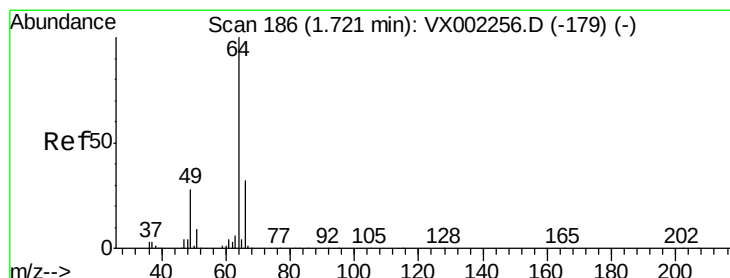
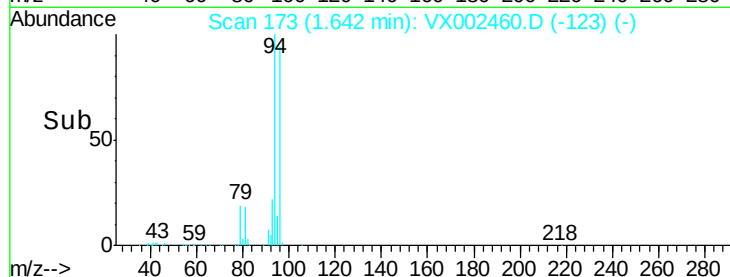
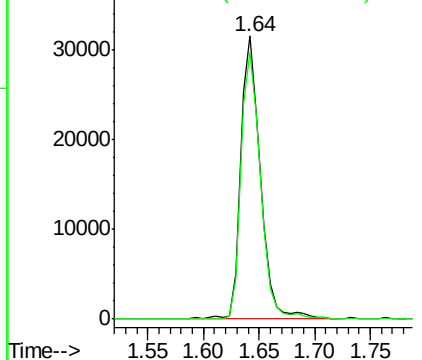
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.840 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002460.D

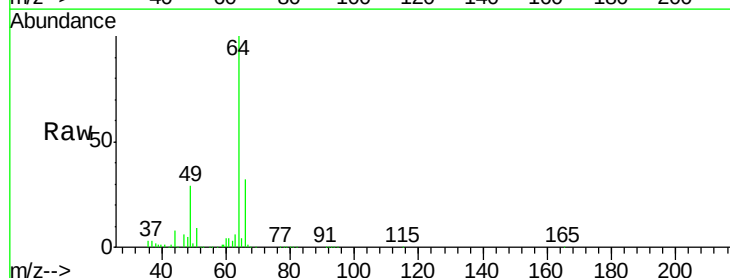
Acq: 12 Jun 2018 12:16

Tgt Ion: 64 Resp: 46909

Ion Ratio Lower Upper

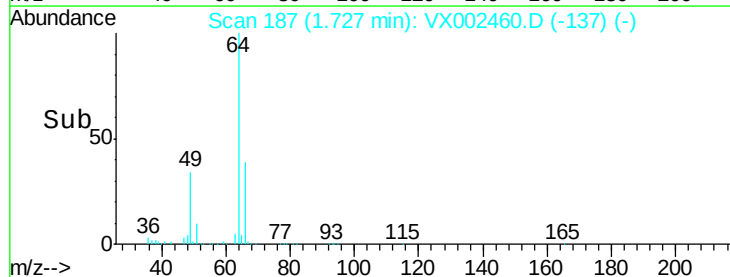
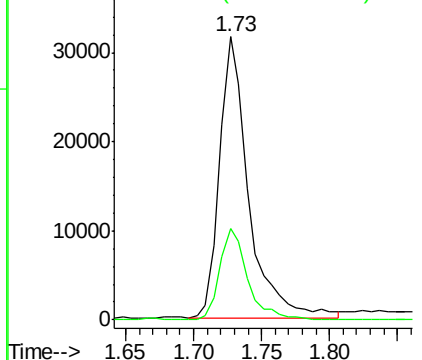
64 100

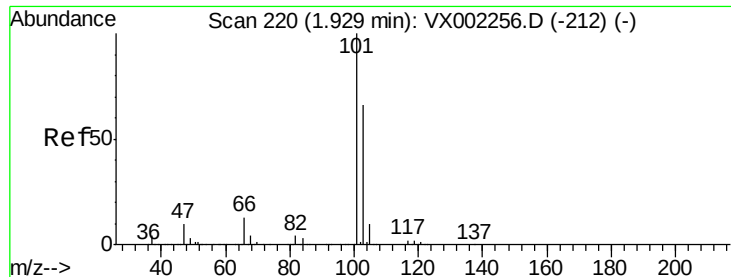
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

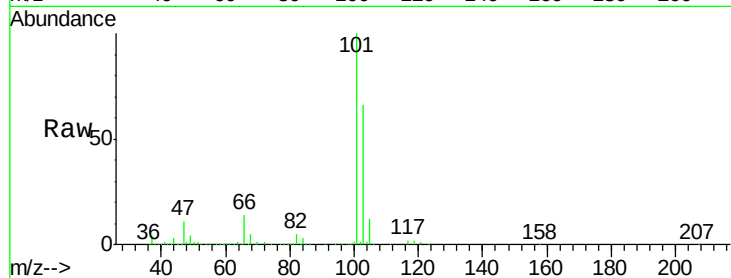
Trichlorofluoromethane
 Concen: 21.099 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

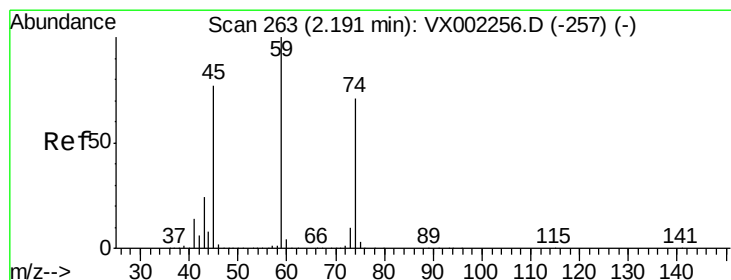
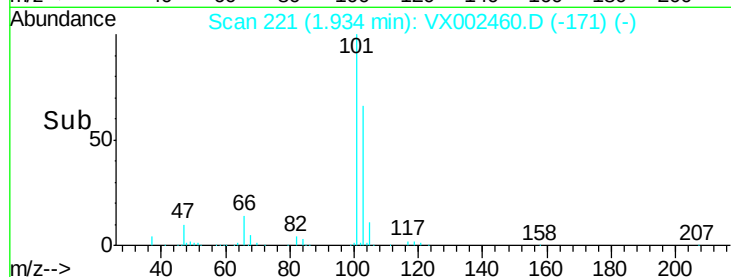
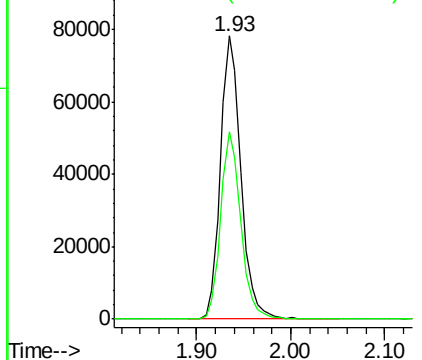
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.8	79.2

Manual Integrations
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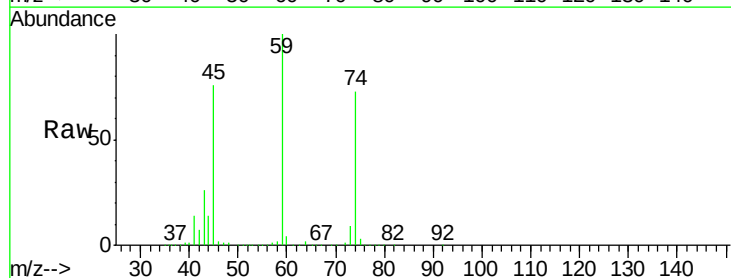
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



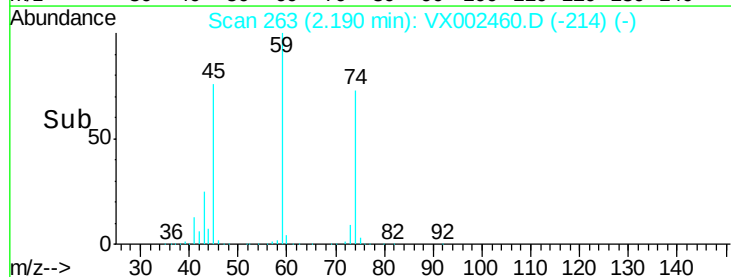
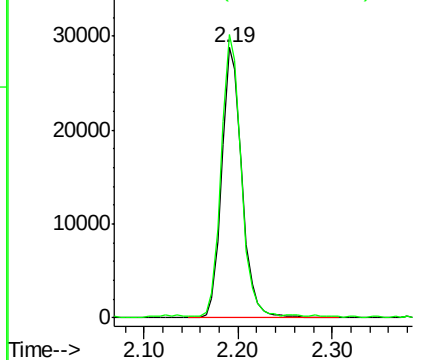
#8

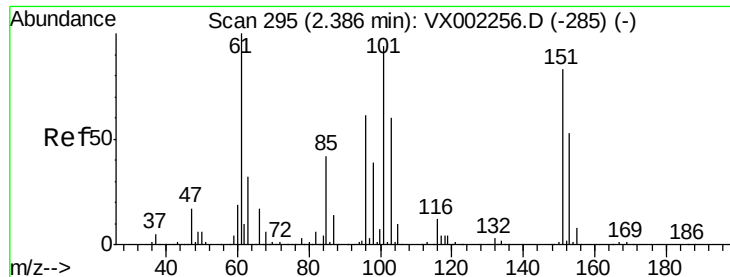
Diethyl Ether
 Concen: 20.148 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	53.1	159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.267 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

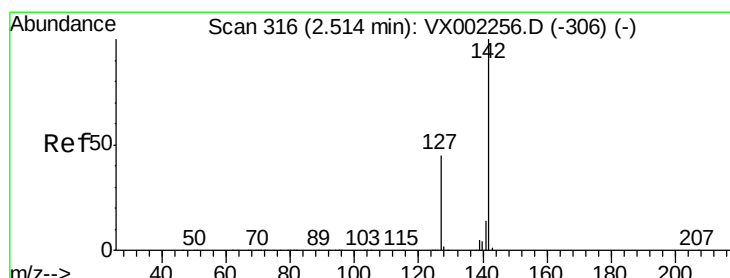
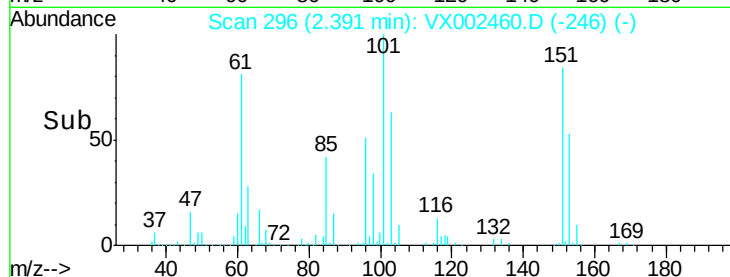
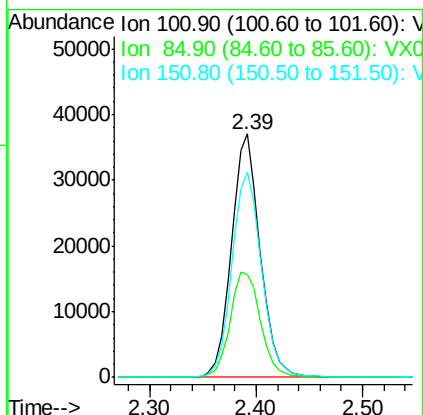
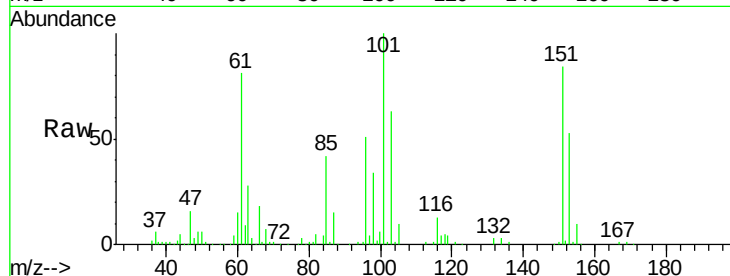
ClientSampleId :

VX0612WBS01

Tot Ion:	101	Resp:	69923
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.0	54.0
151	87.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 12.348 ug/l

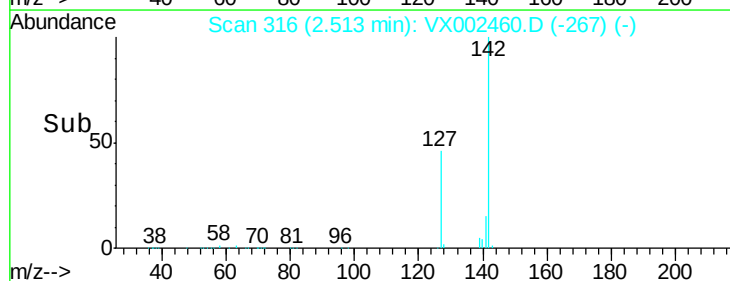
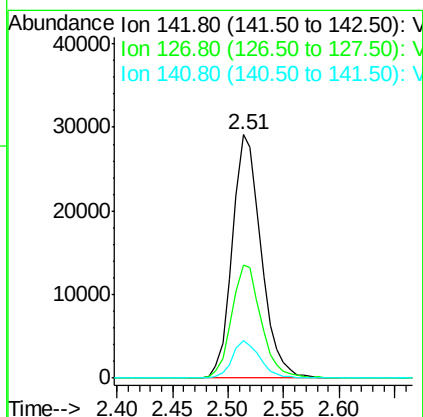
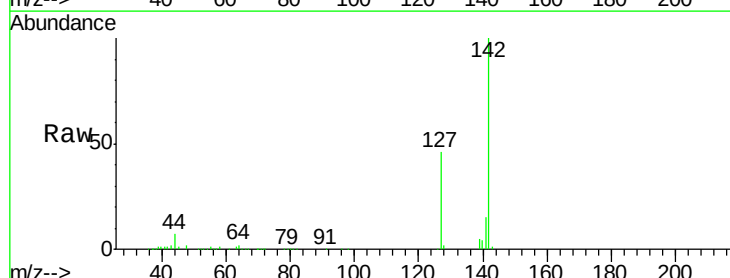
RT: 2.51 min Scan# 316

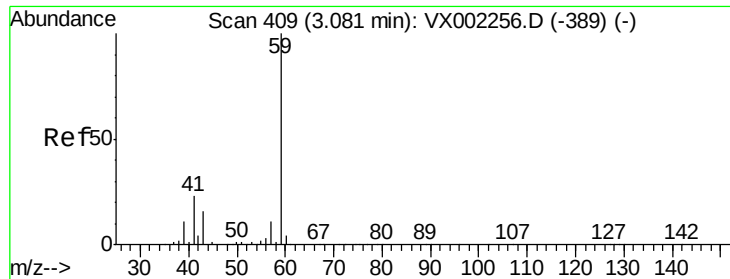
Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion:	142	Resp:	52198
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.6	55.0
141	15.0	11.3	16.9





#11

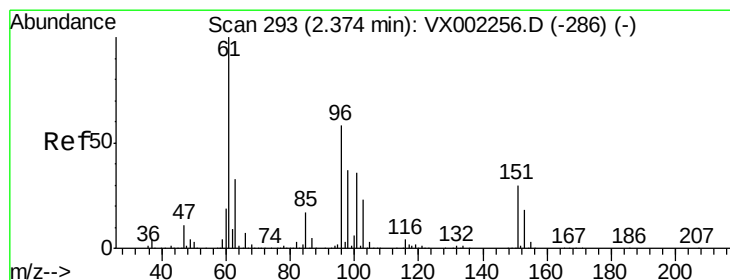
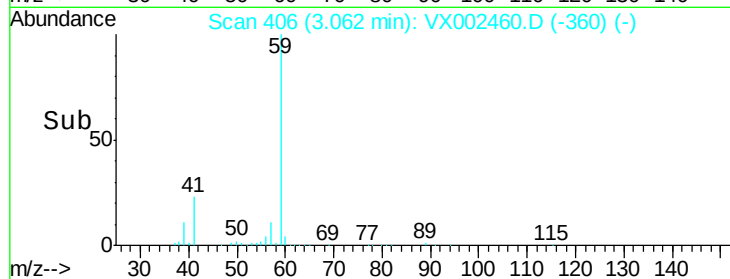
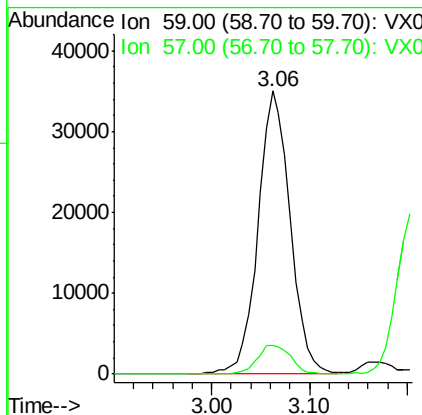
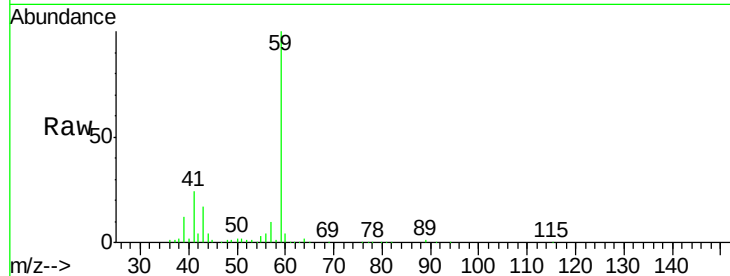
Tert butyl alcohol
 Concen: 84.613 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
 APPROVED

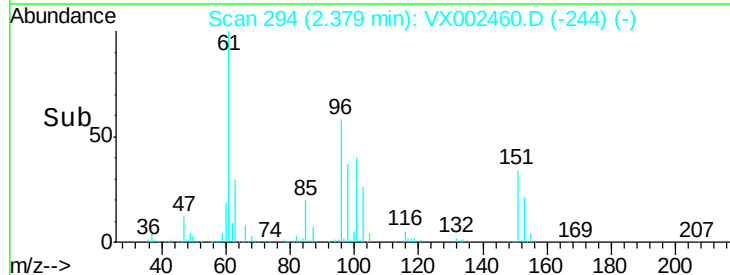
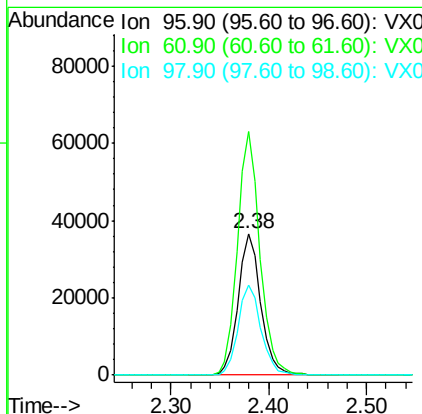
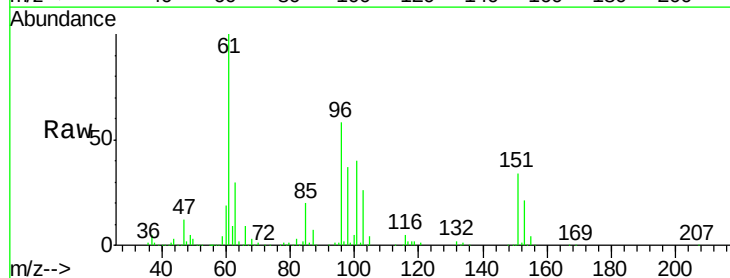
MMDadoda
 6/13/2018 1:59:35 PM

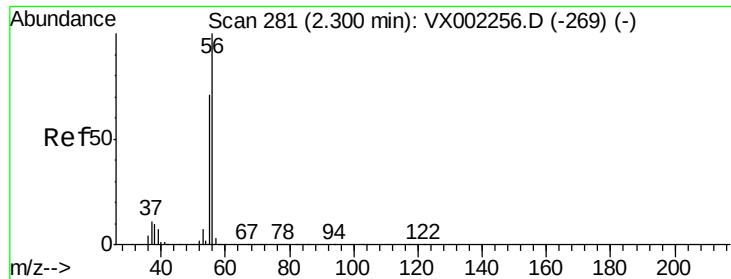


#12

1,1-Dichloroethene
 Concen: 19.743 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	137.9	206.9
98	63.4	51.6	77.4





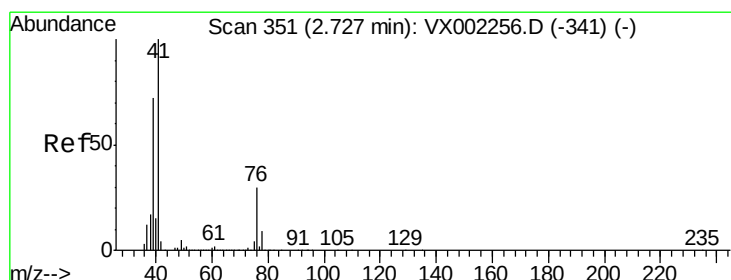
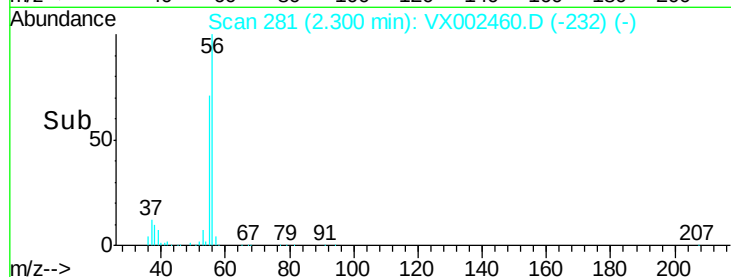
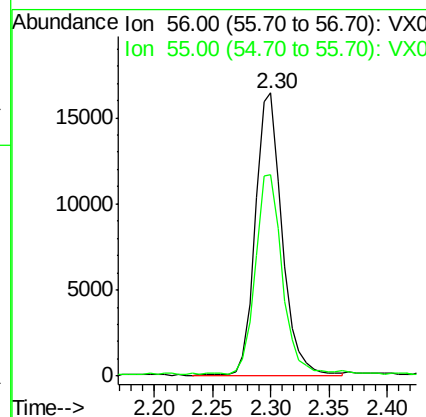
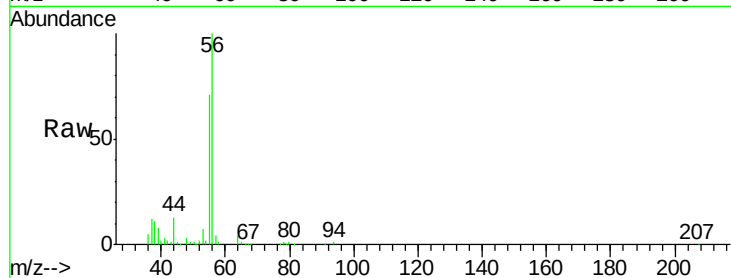
#13
Acrolein
Concen: 58.566 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	56	Resp	26159
Ion Ratio	100	Lower	Upper
55	72.1	57.0	85.4

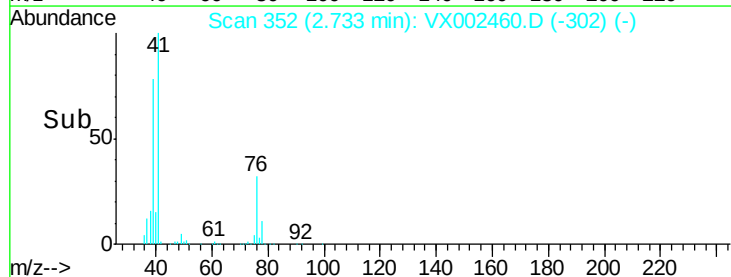
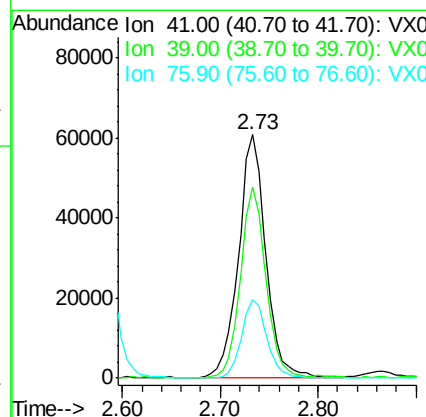
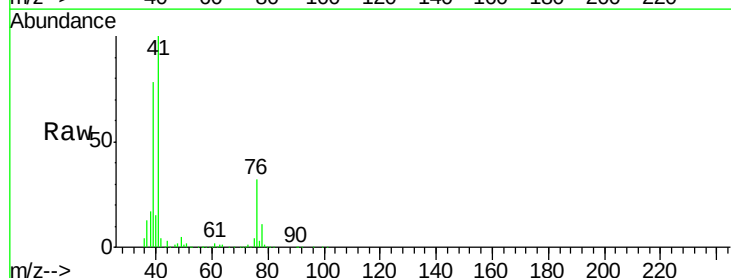
Manual Integrations
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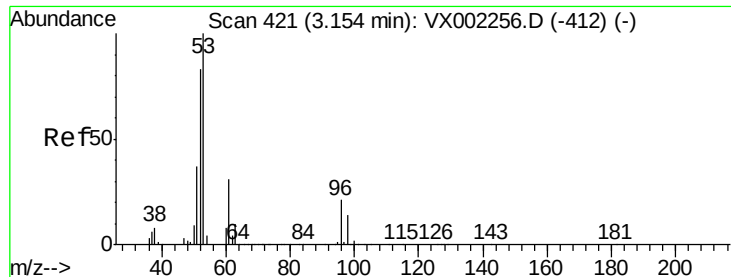
MMDadoda
6/13/2018 1:59:35 PM



#14
Allyl chloride
Concen: 18.197 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	41	Resp	117290
Ion Ratio	100	Lower	Upper
39	73.3	56.8	85.2
76	30.1	23.8	35.8





#15

Acrylonitrile

Concen: 97.006 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

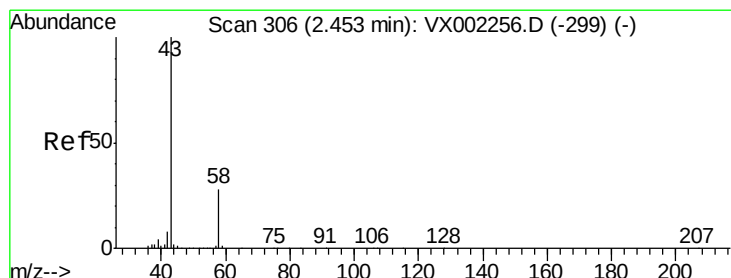
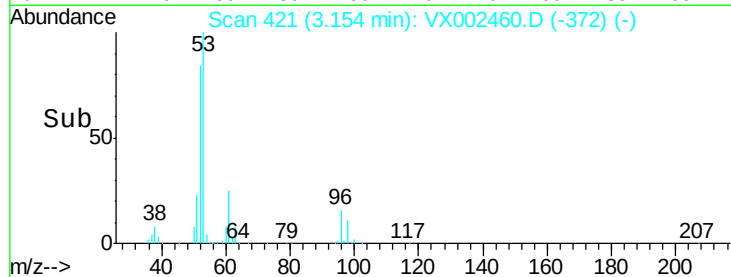
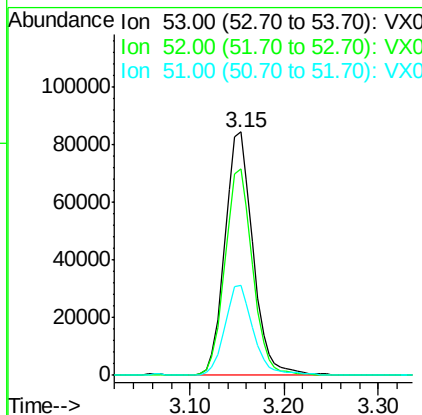
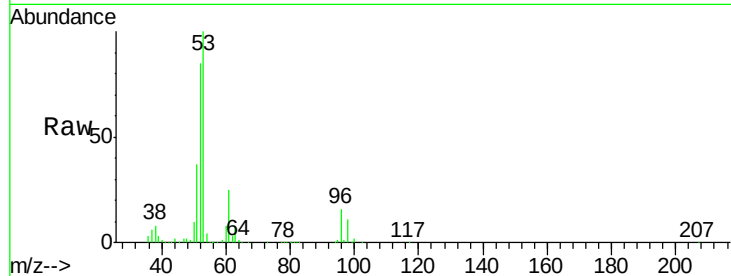
ClientSampled :

VX0612WBS01

Tot Ion:	53	Resp:	174775
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.7	100.1
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 105.031 ug/l

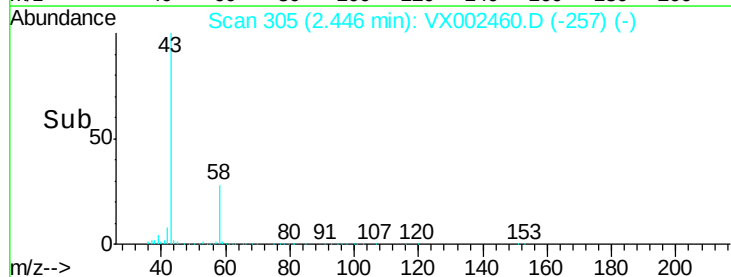
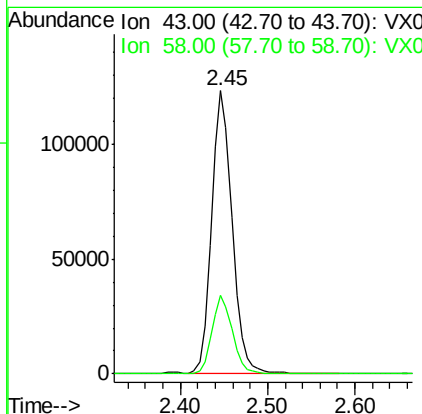
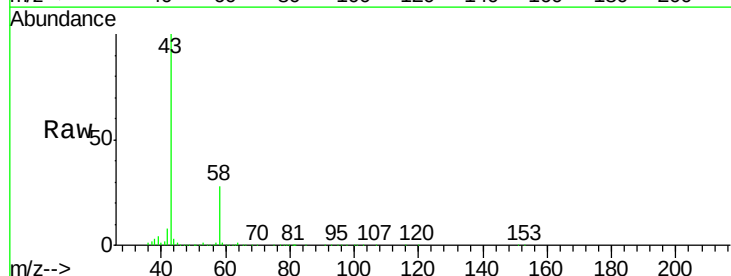
RT: 2.45 min Scan# 305

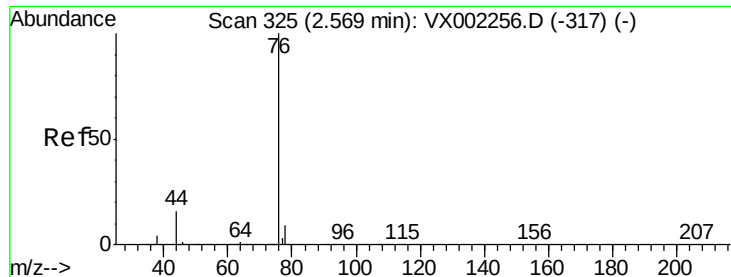
Delta R.T. -0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion:	43	Resp:	199287
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.1	33.1





#17

Carbon Disulfide

Concen: 16.595 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 76 Resp: 129901

Ion Ratio Lower Upper

76 100

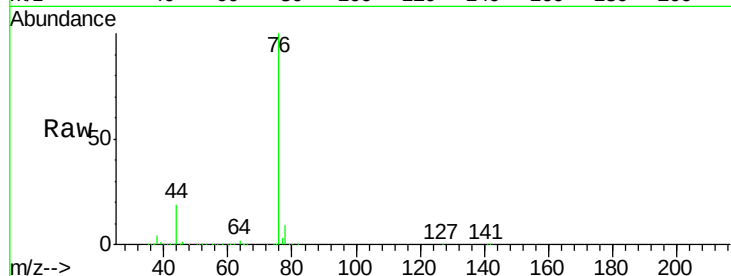
78 9.0 6.9 10.3

Manual Integrations

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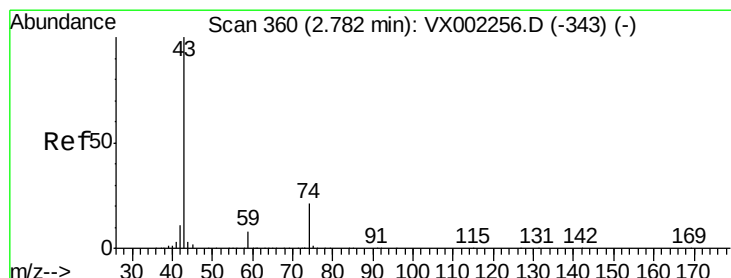
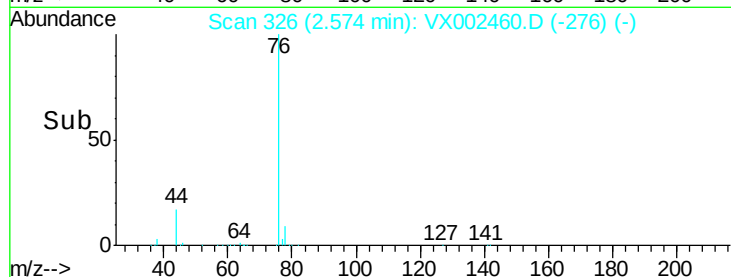
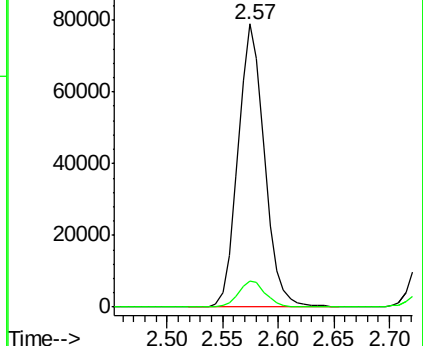
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.687 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002460.D

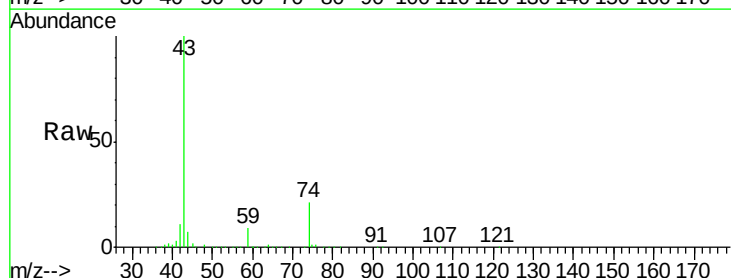
Acq: 12 Jun 2018 12:16

Tgt Ion: 43 Resp: 85226

Ion Ratio Lower Upper

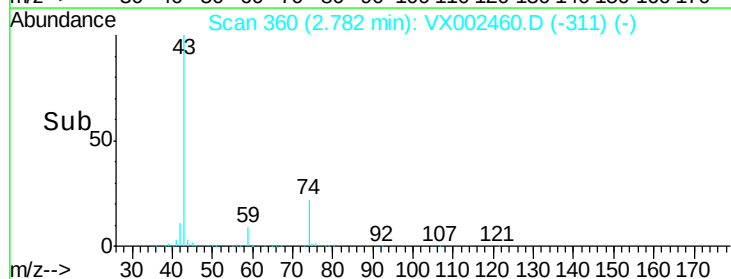
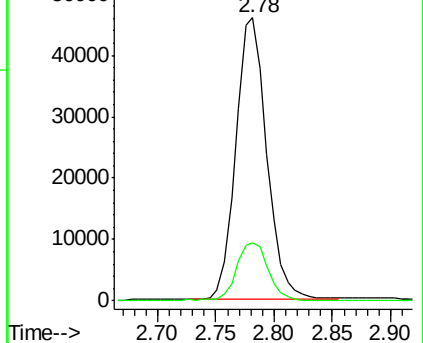
43 100

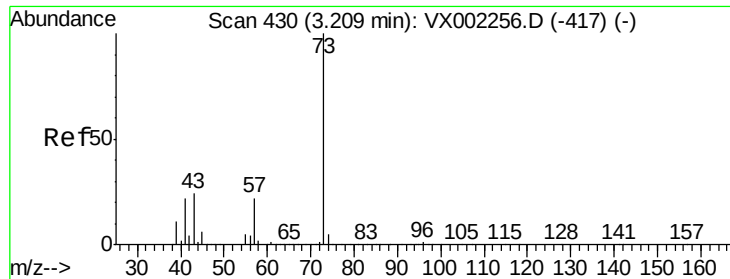
74 20.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





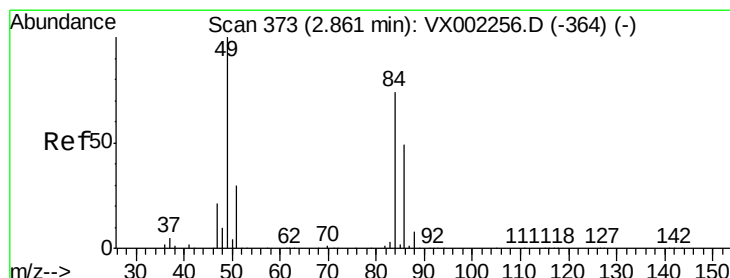
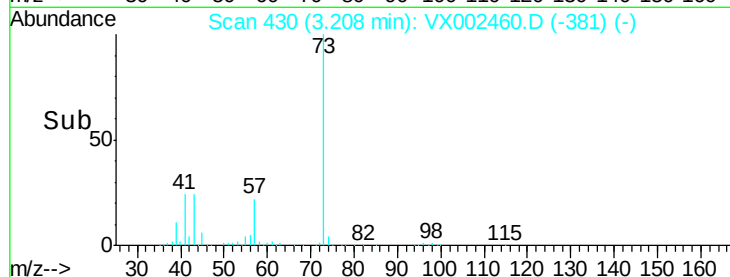
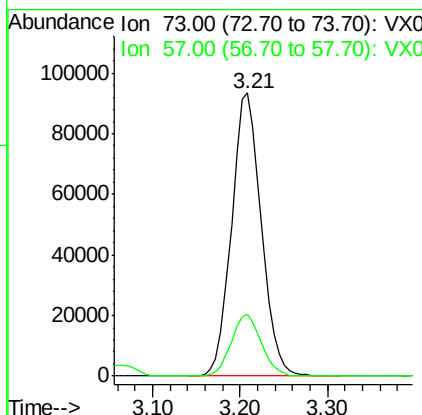
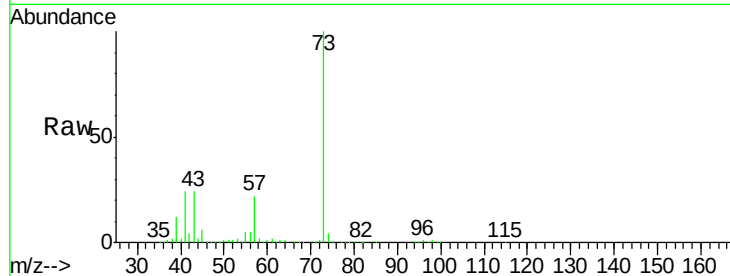
#19
Methyl tert-butyl Ether
Concen: 19.911 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion: 73 Resp: 220808
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

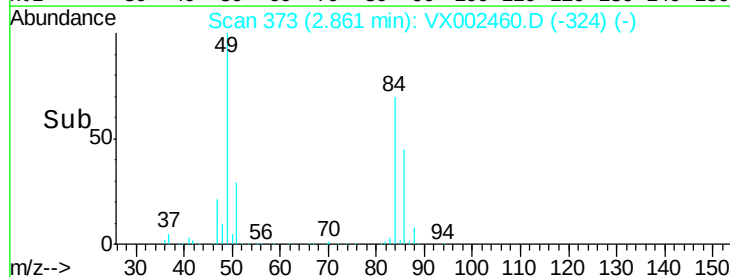
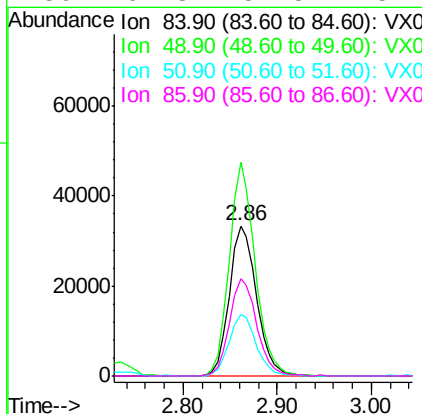
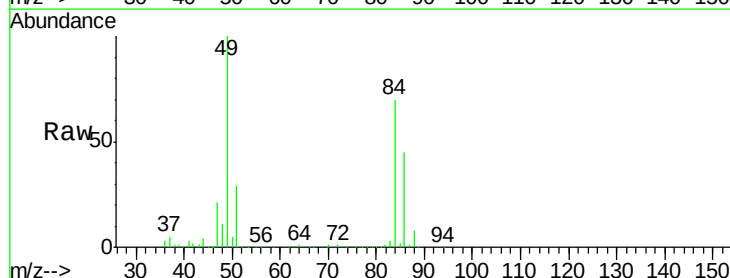
Manual Integrations
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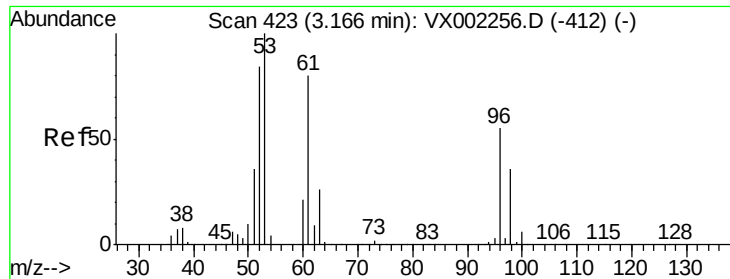
MMDadoda
6/13/2018 1:59:35 PM



#20
Methylene Chloride
Concen: 19.549 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion: 84 Resp: 66976
Ion Ratio Lower Upper
84 100
49 142.5 107.8 161.6
51 41.0 32.8 49.2
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.129 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 96 Resp: 62651

Ion Ratio Lower Upper

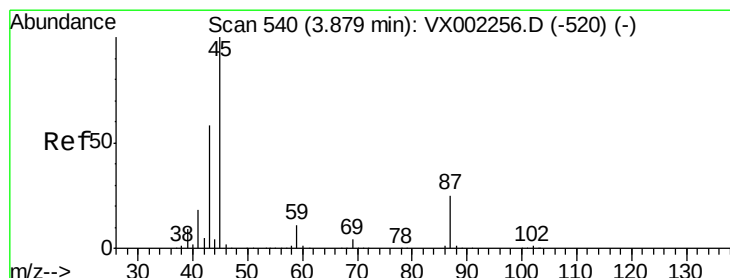
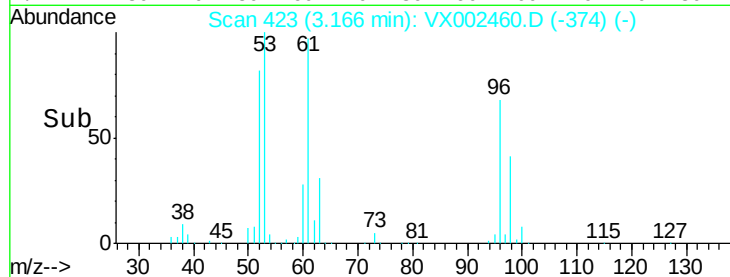
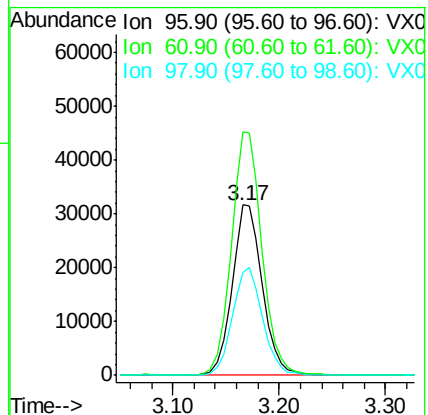
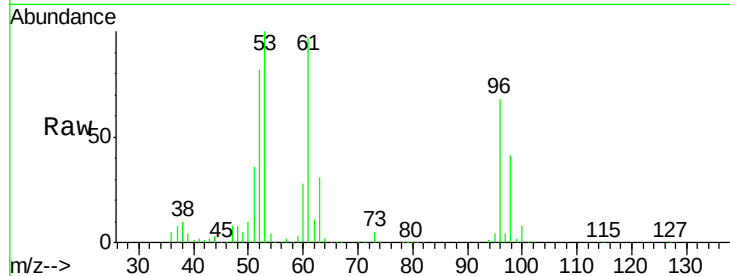
96 100

61 143.1 117.0 175.4

98 60.5 52.4 78.6

Manual Integrations
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6/13/2018 1:59:35 PM



#22

Diisopropyl ether

Concen: 21.423 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion: 45 Resp: 239829

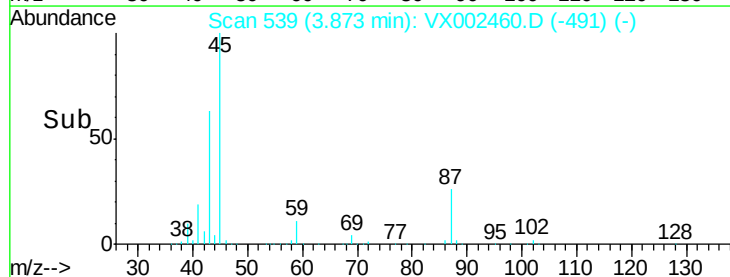
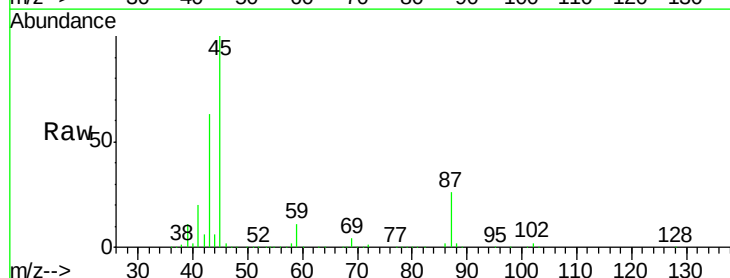
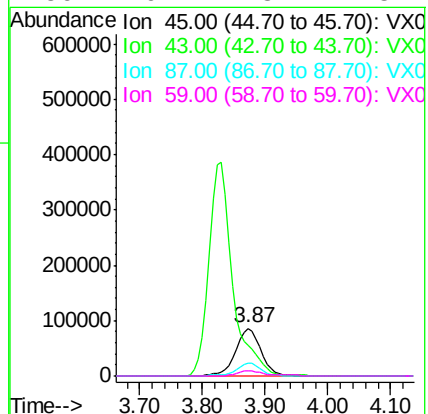
Ion Ratio Lower Upper

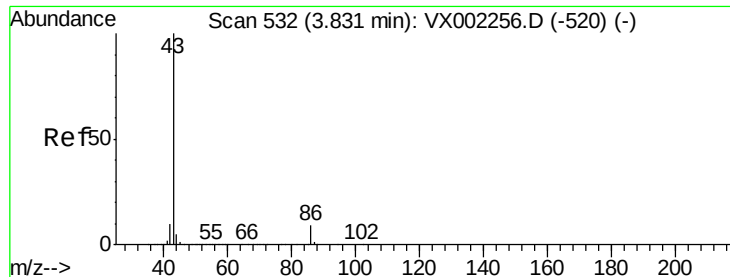
45 100

43 63.2 46.8 70.2

87 25.6 20.2 30.4

59 10.7 8.7 13.1





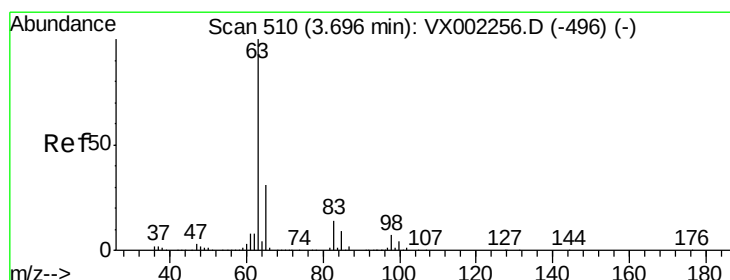
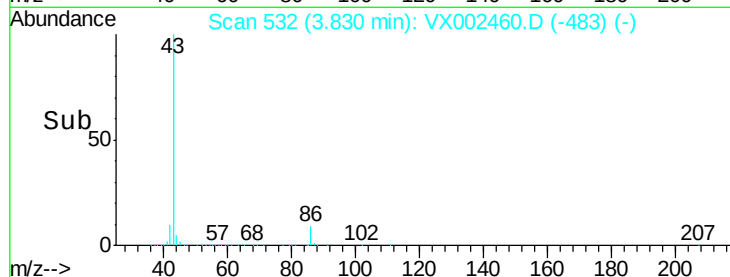
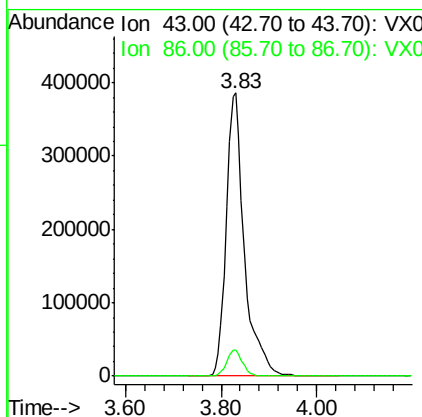
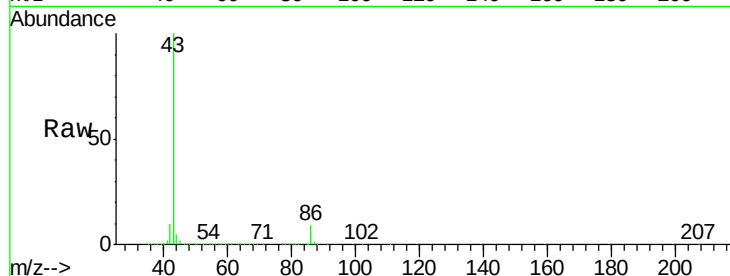
#23
 Vinyl Acetate
 Concen: 97.340 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion: 43 Resp: 1017080
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

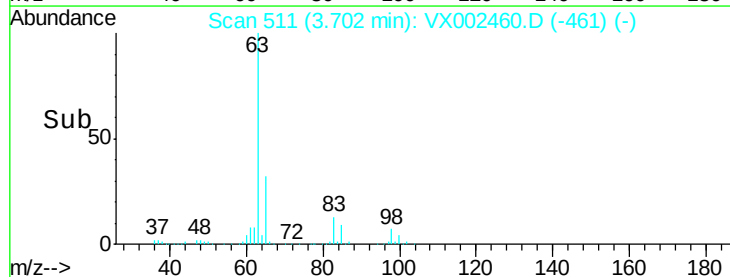
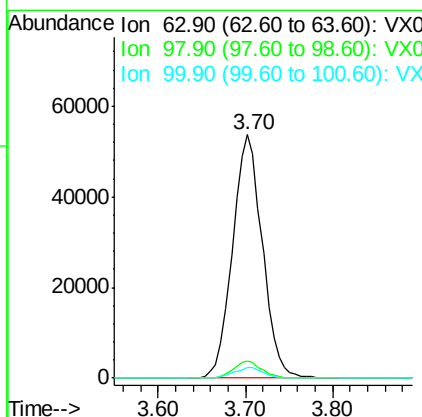
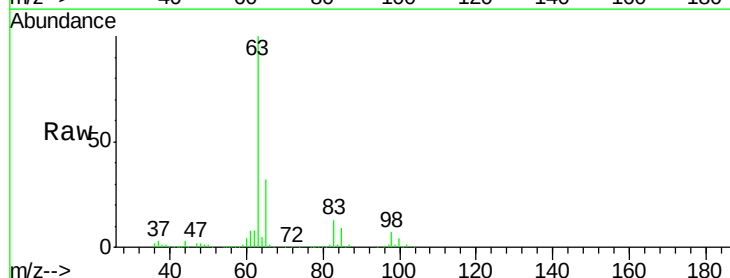
Manual Integrations
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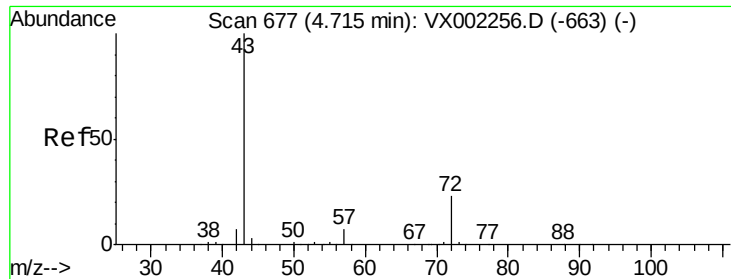
MMDadoda
 6/13/2018 1:59:35 PM



#24
 1,1-Dichloroethane
 Concen: 19.936 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion: 63 Resp: 127001
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 84.527 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 43 Resp: 231221

Ion Ratio Lower Upper

43 100

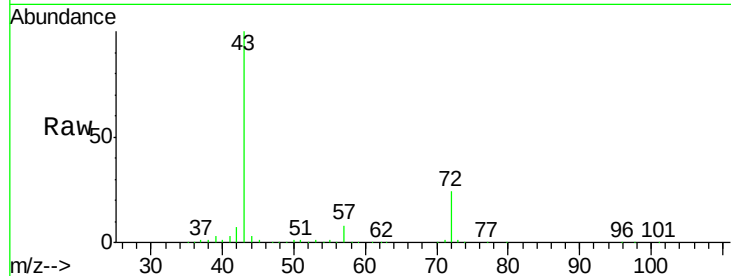
72 23.5 18.5 27.7

Manual Integrations

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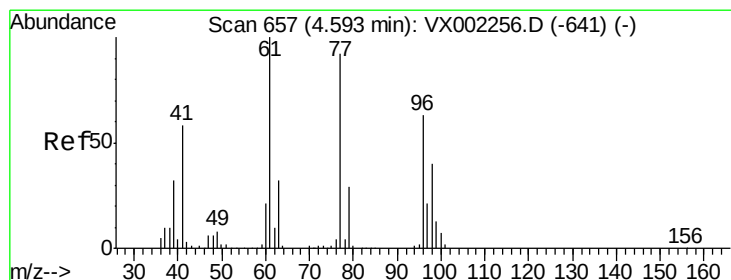
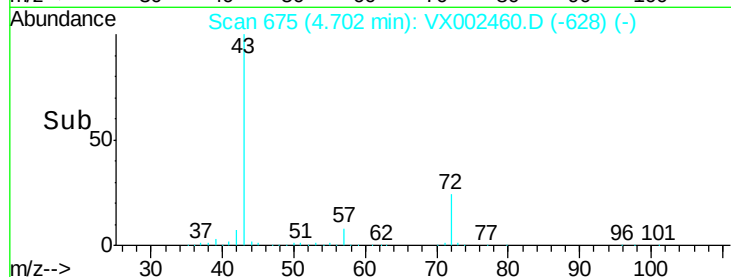
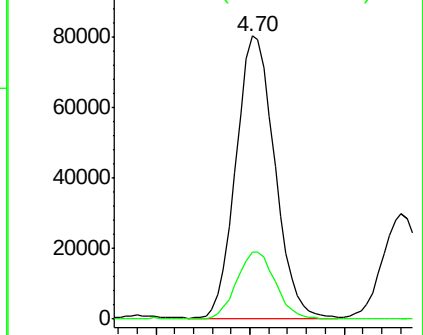
MMDadoda

6/13/2018 1:59:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.776 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002460.D

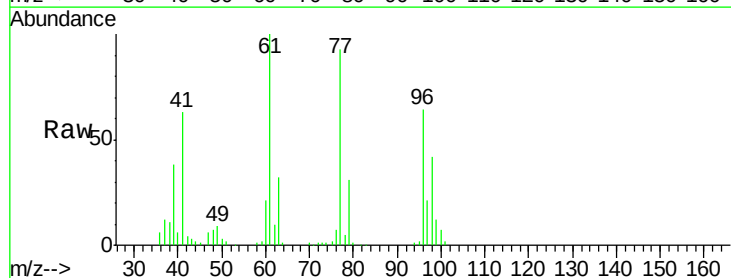
Acq: 12 Jun 2018 12:16

Tgt Ion: 77 Resp: 88518

Ion Ratio Lower Upper

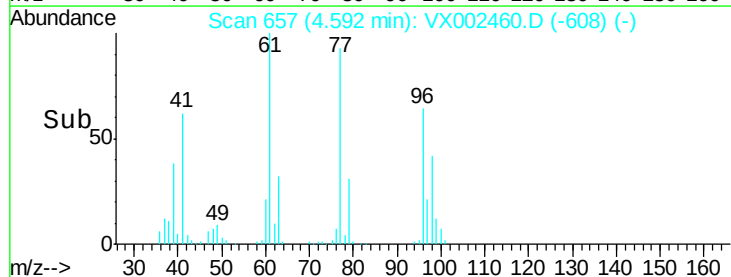
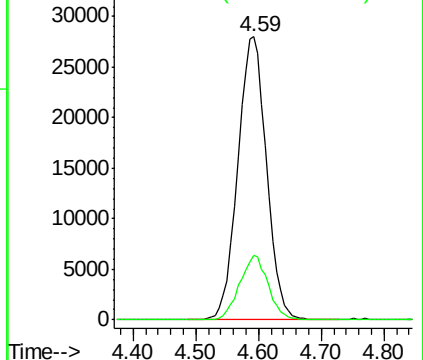
77 100

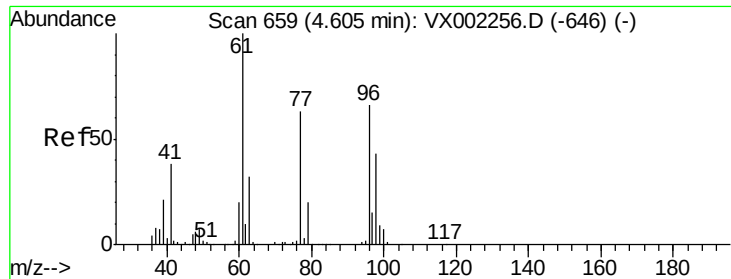
97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

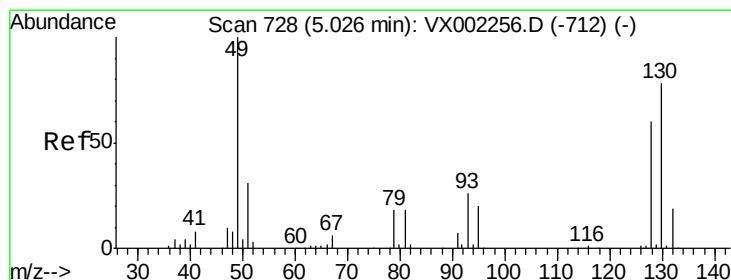
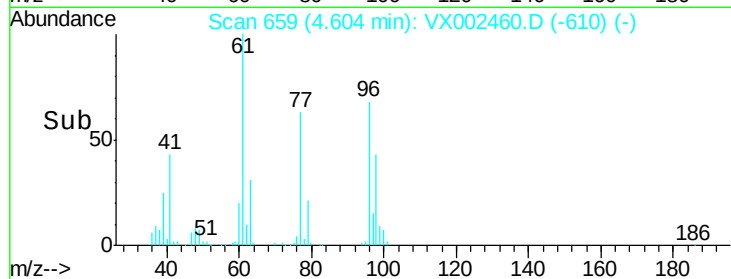
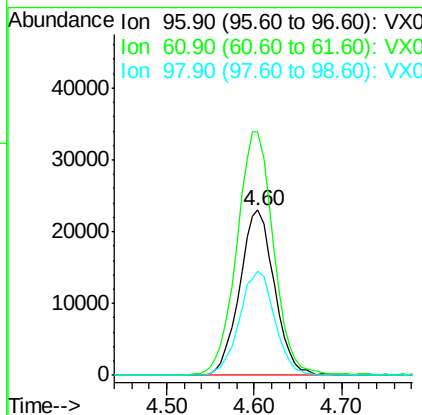
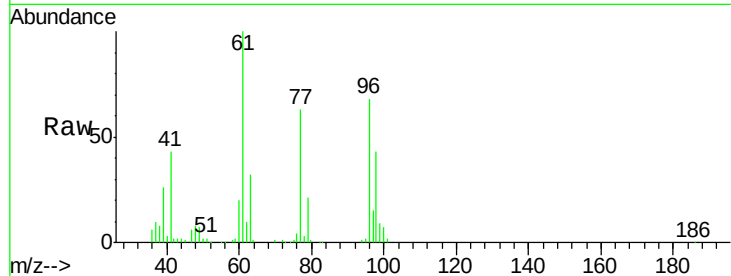
cis-1,2-Dichloroethene
Concen: 17.809 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	330.2
98	64.2	0.0	130.2

Manual Integrations
APPROVED

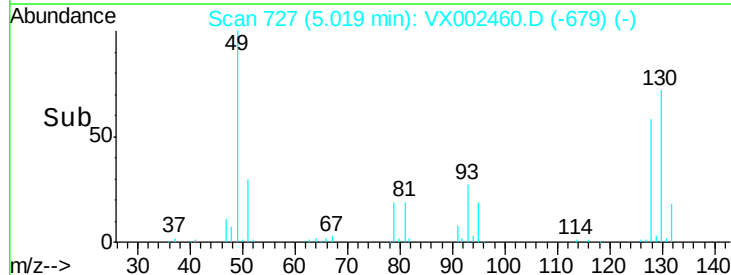
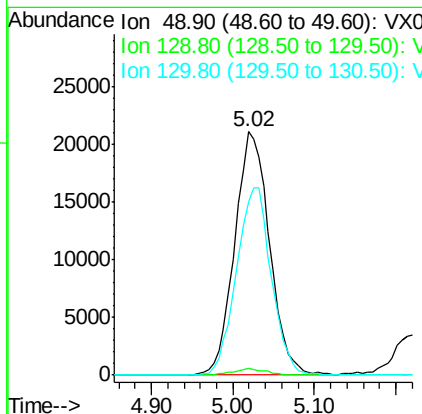
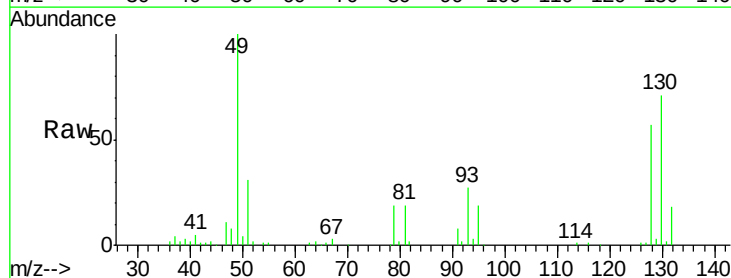
MMDadoda
6/13/2018 1:59:35 PM

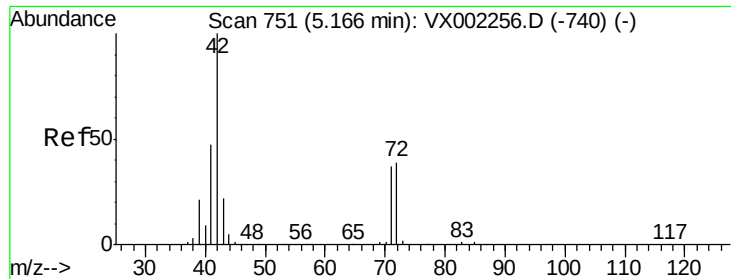


#28

Bromochloromethane
Concen: 20.992 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	77.1	61.2	91.8





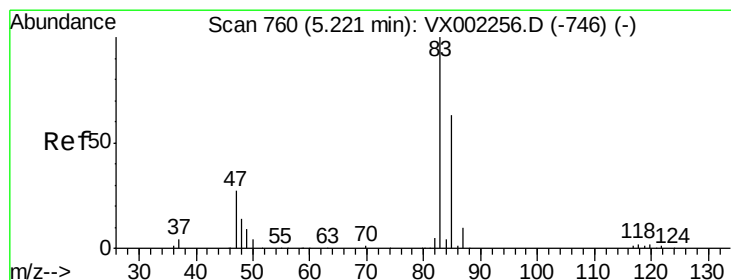
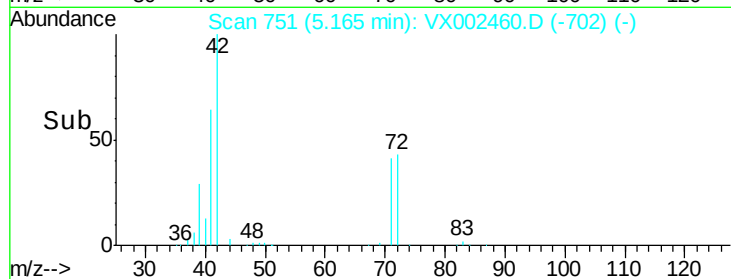
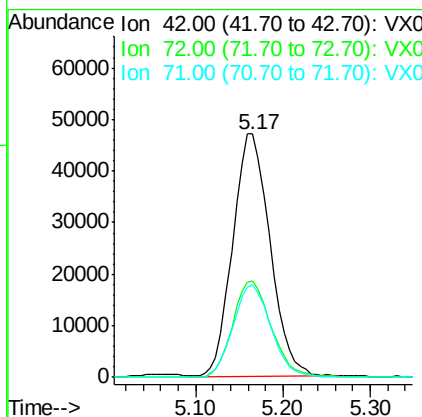
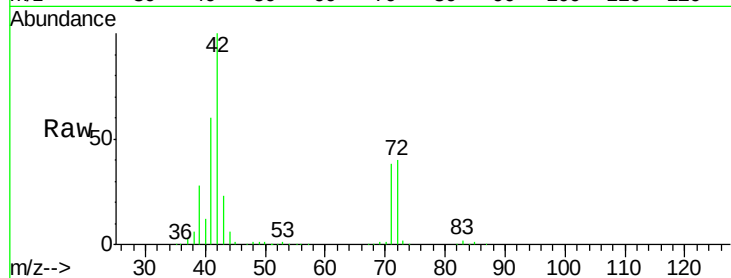
#29
Tetrahydrofuran
Concen: 79.389 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.0	48.0
71	38.7	30.1	45.1

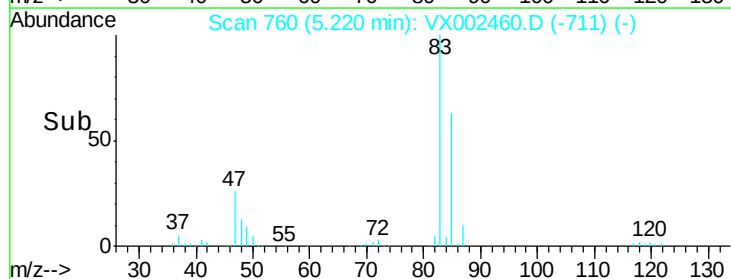
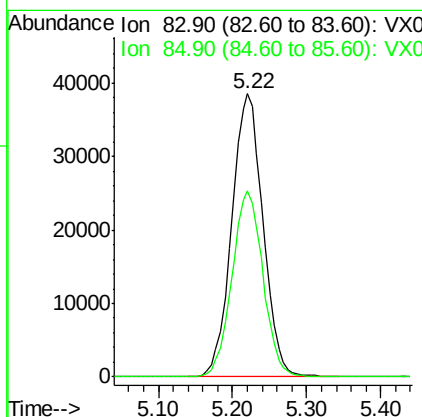
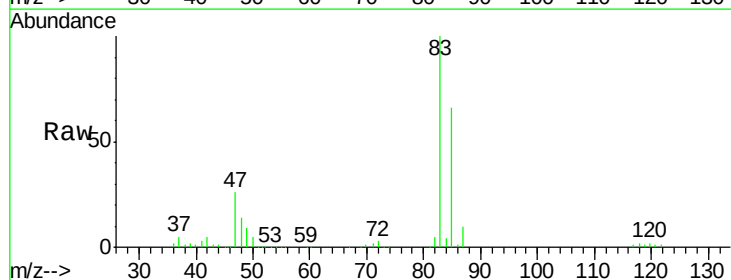
Manual Integrations
APPROVED

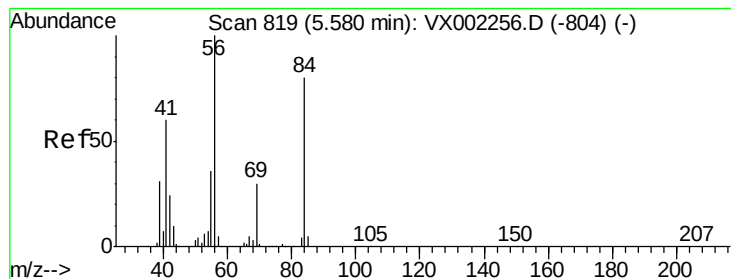
MMDadoda
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#30
Chloroform
Concen: 18.415 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 18.979 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

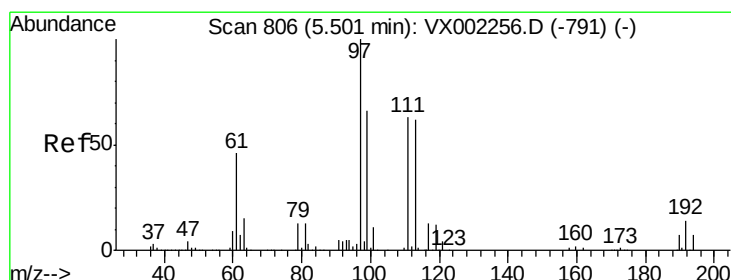
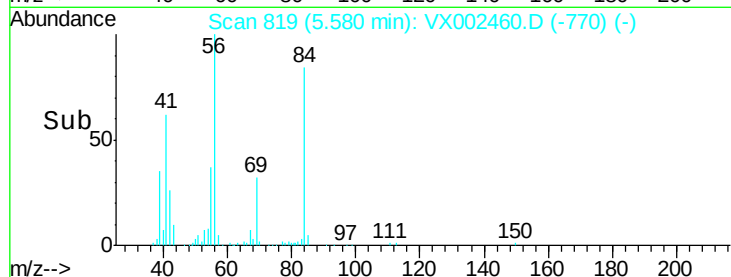
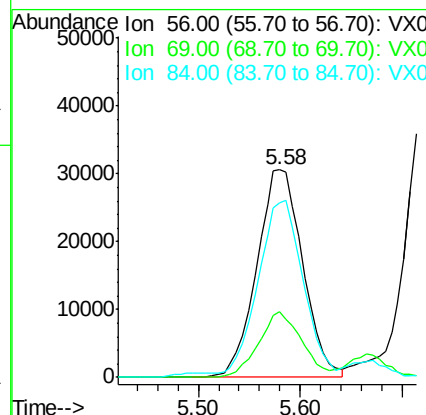
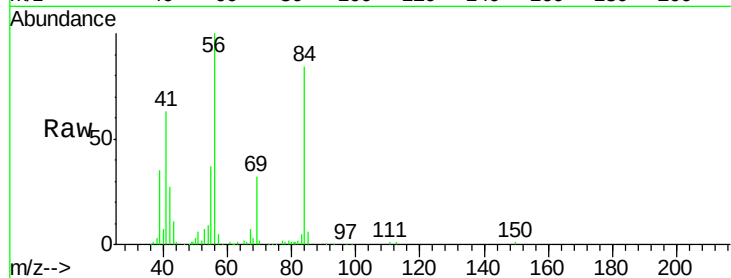
ClientSampleId :

VX0612WBS01

Tot Ion:	56	Resp:	95606
Ion Ratio	Lower	Upper	
56	100		
69	31.9	23.7	35.5
84	82.4	64.1	96.1

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 18.656 ug/l

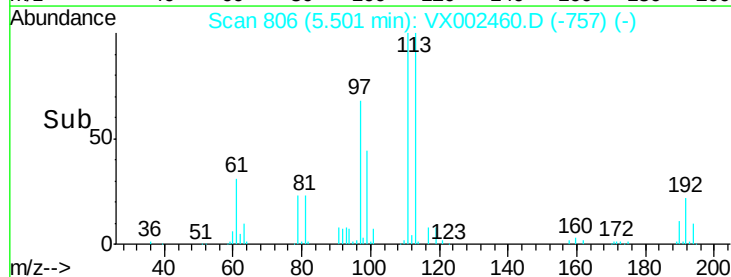
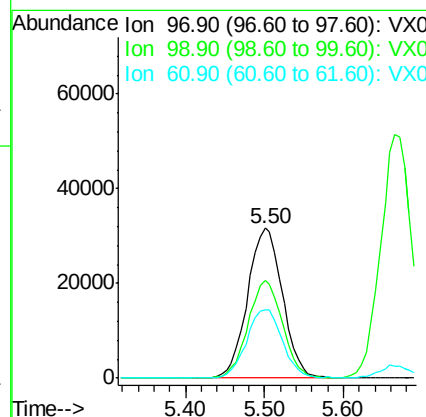
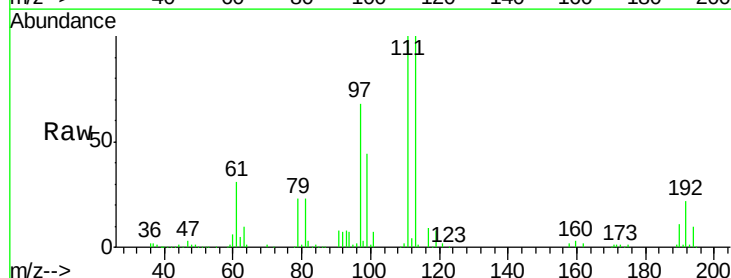
RT: 5.50 min Scan# 806

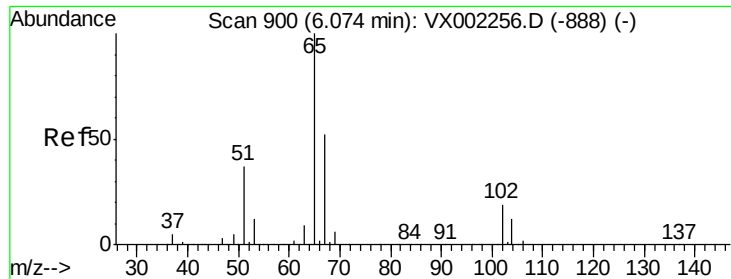
Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion:	97	Resp:	97259
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	46.8	36.4	54.6





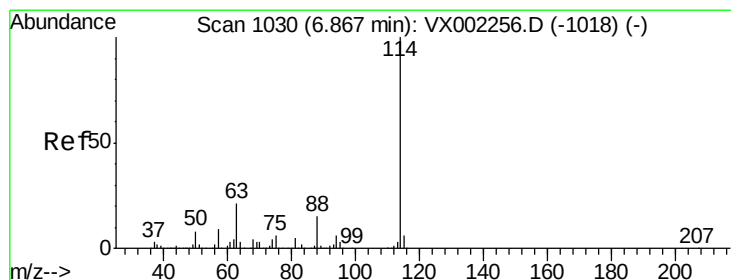
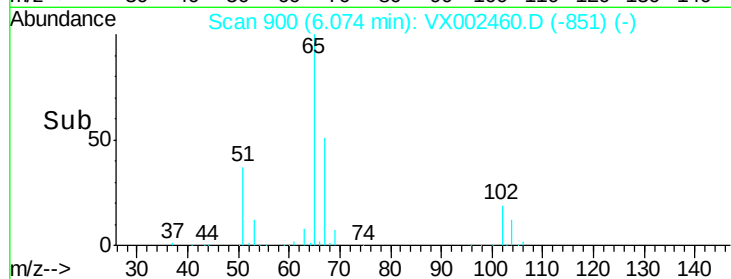
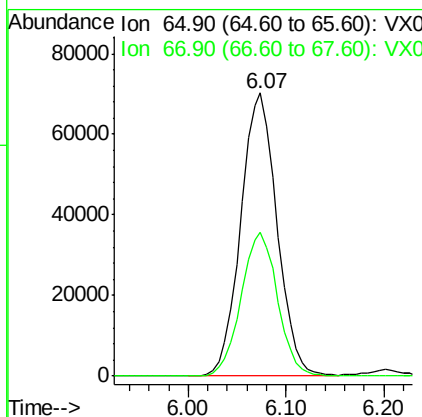
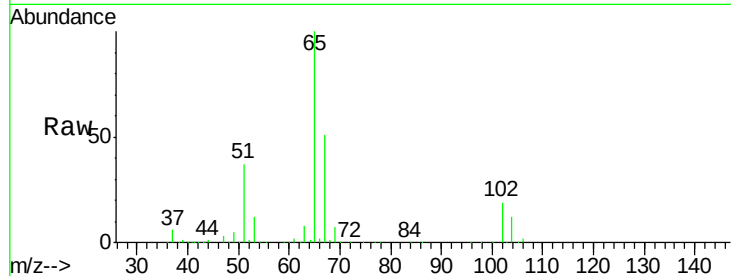
#33
 1,2-Dichloroethane-d4
 Concen: 44.873 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180435		
67	51.1	0.0	102.6	

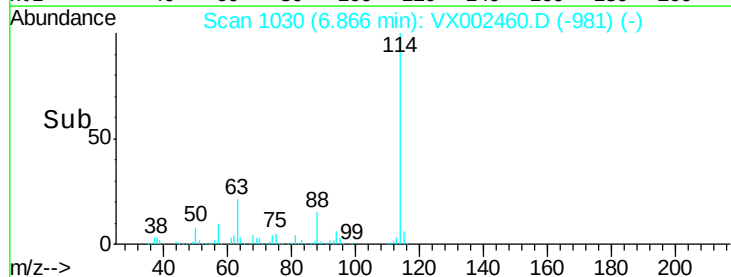
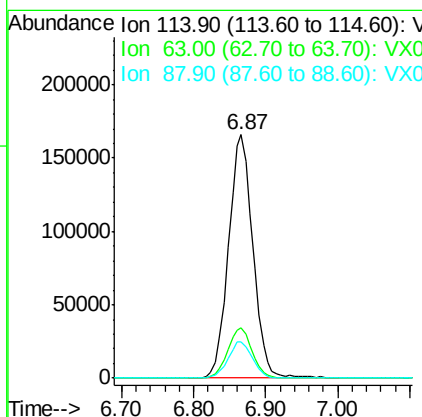
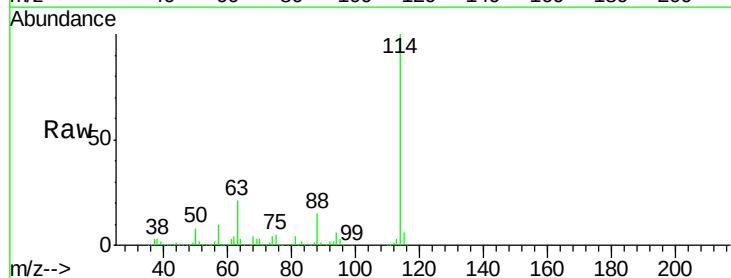
Manual Integrations
 APPROVED

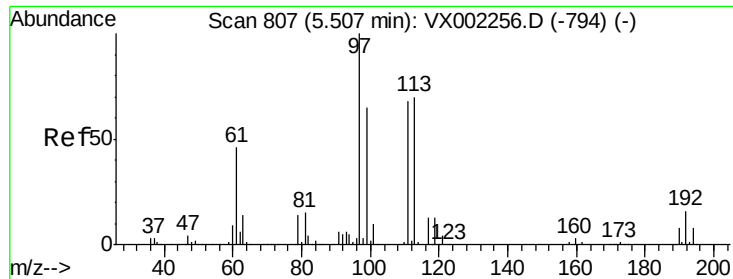
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390710		
63	20.7	0.0	41.4	
88	15.0	0.0	30.0	





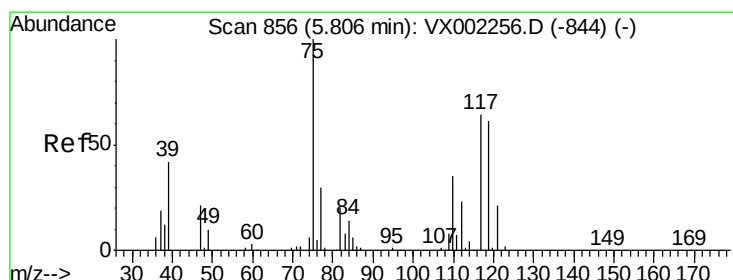
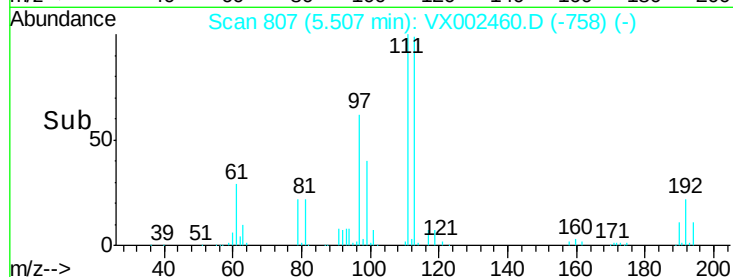
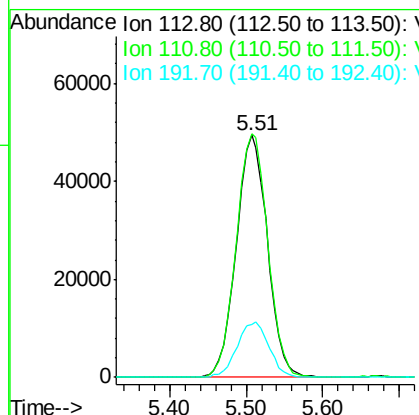
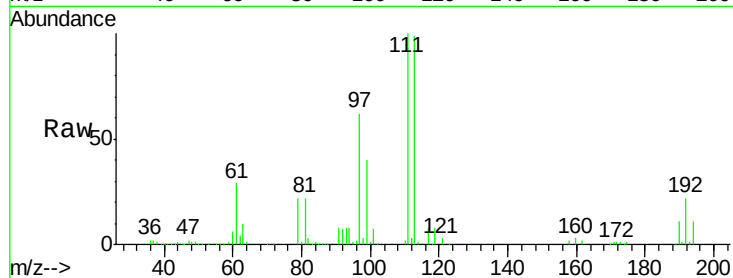
#35
 Dibromofluoromethane
 Concen: 45.383 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139443		
111	102.0	81.4	122.0	
192	23.0	19.1	28.7	

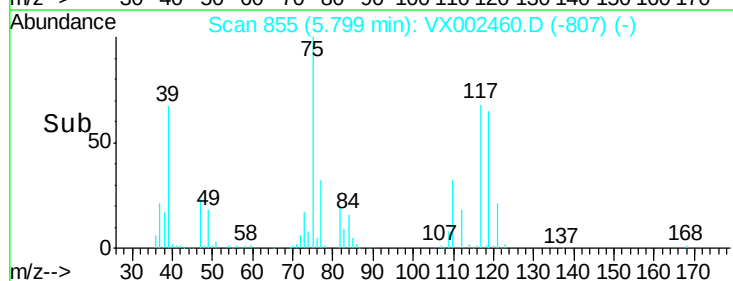
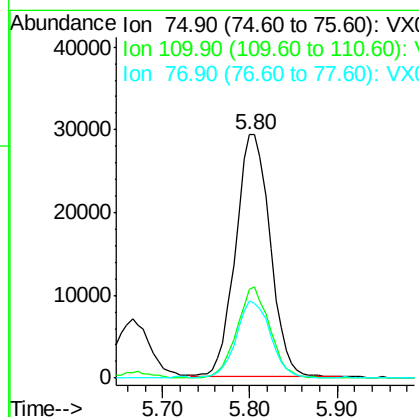
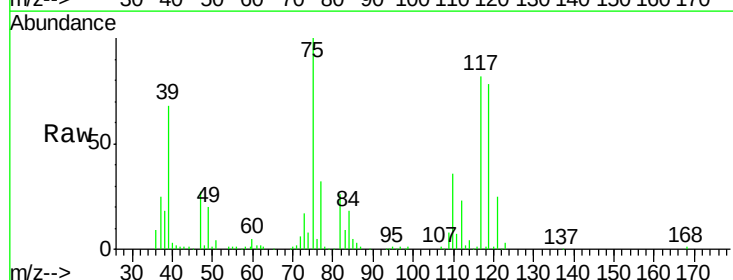
Manual Integrations
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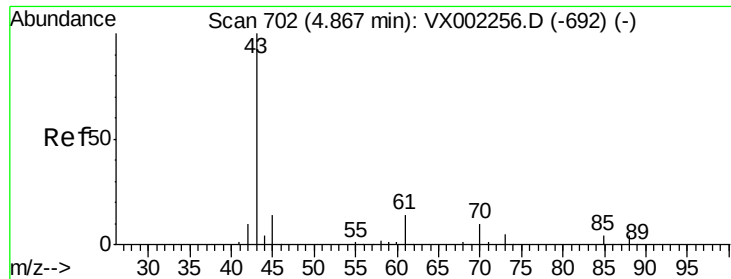
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#36
 1,1-Dichloropropene
 Concen: 19.674 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80810		
110	35.8	18.1	54.4	
77	31.8	24.3	36.5	





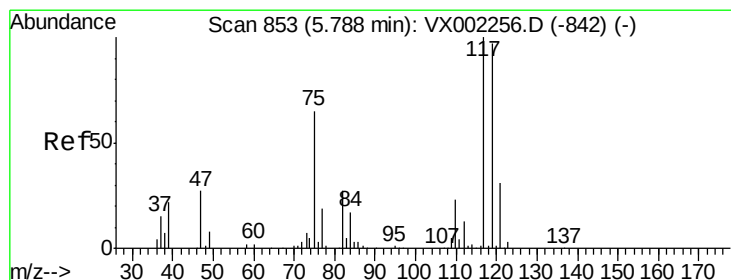
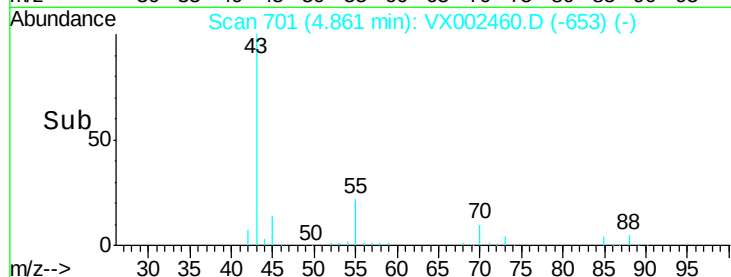
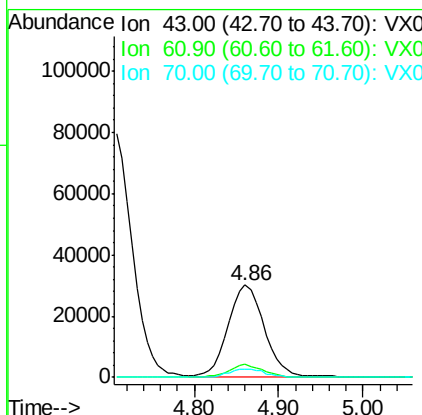
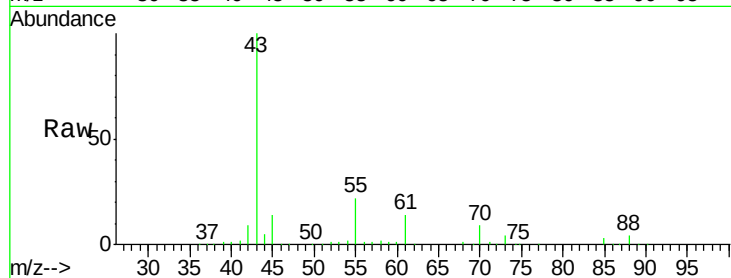
#37
Ethyl Acetate
Concen: 17.804 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.4	7.6	11.4

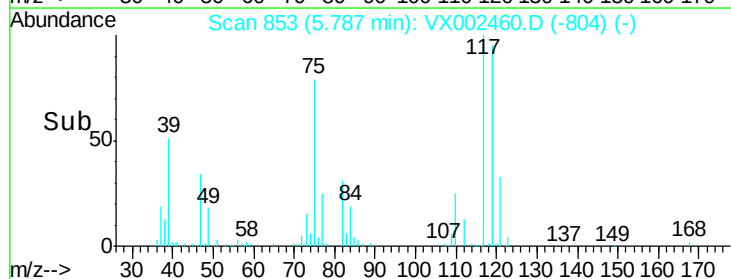
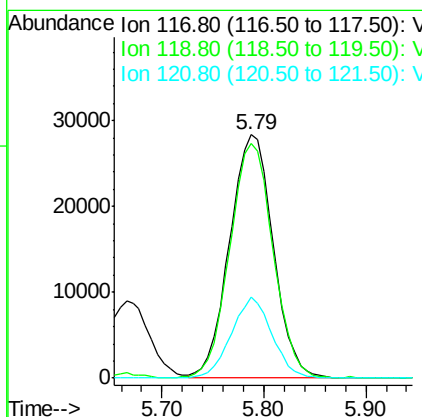
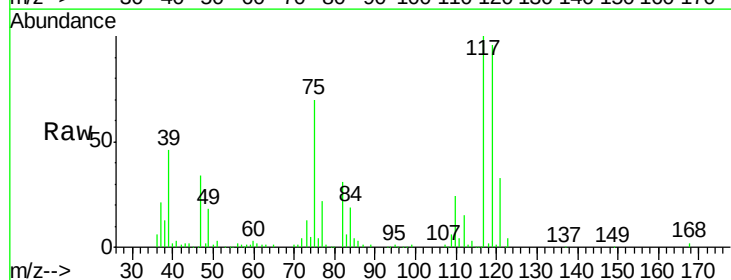
Manual Integrations
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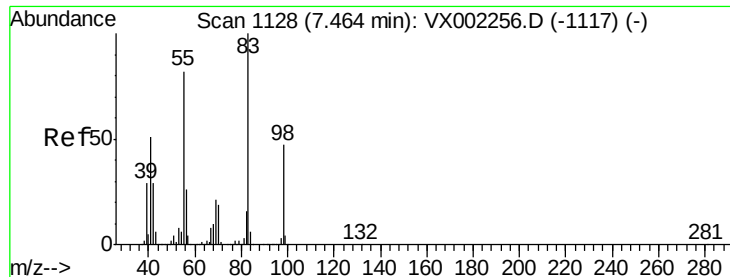
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#38
Carbon Tetrachloride
Concen: 19.603 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	33.1	24.4	36.6





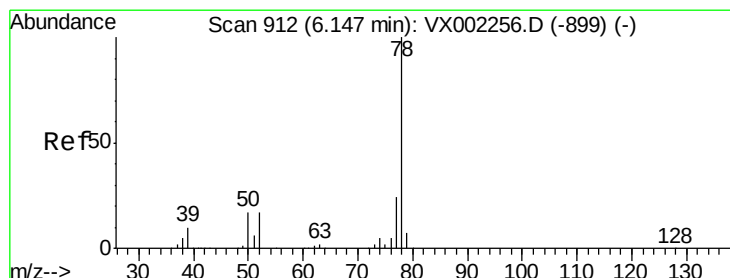
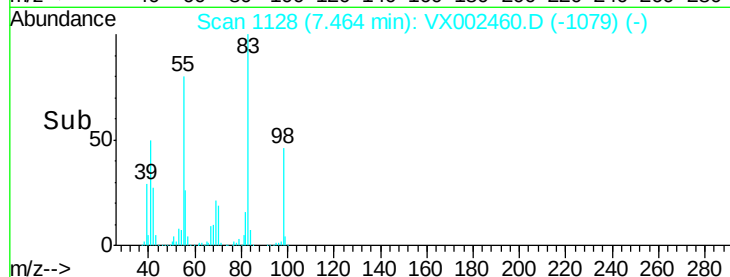
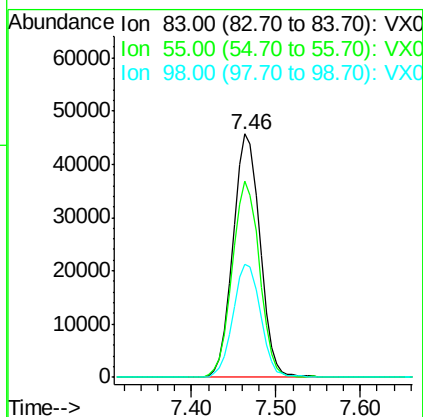
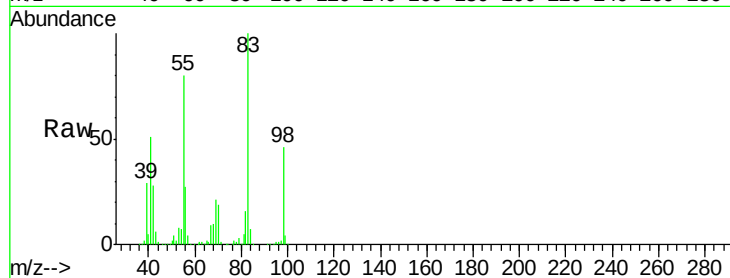
#39
Methylvlcyclohexane
Concen: 19.705 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	65.4	98.0
98	46.2	37.4	56.0

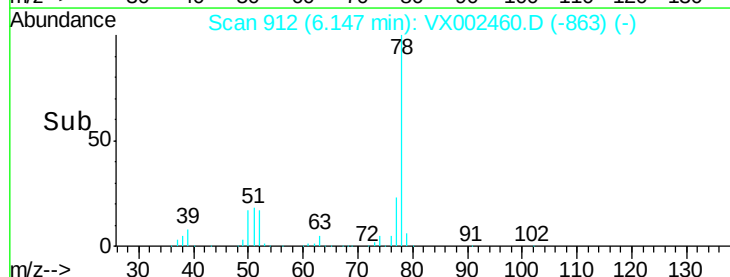
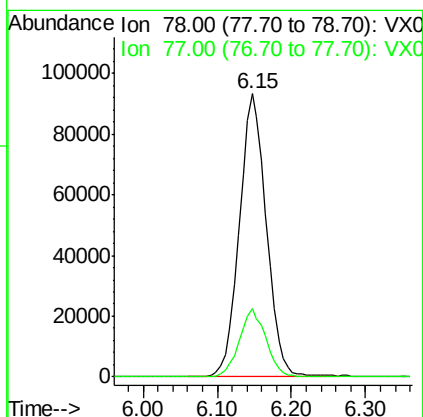
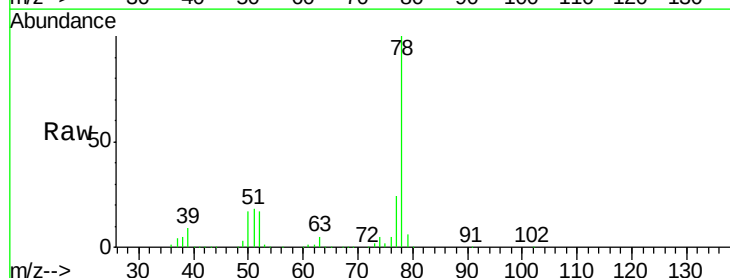
Manual Integrations
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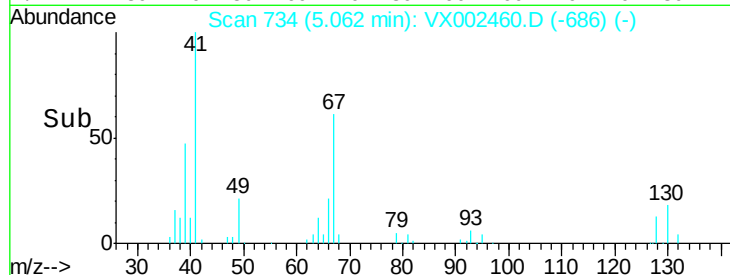
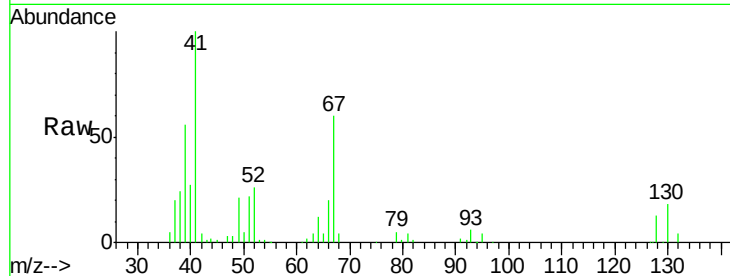
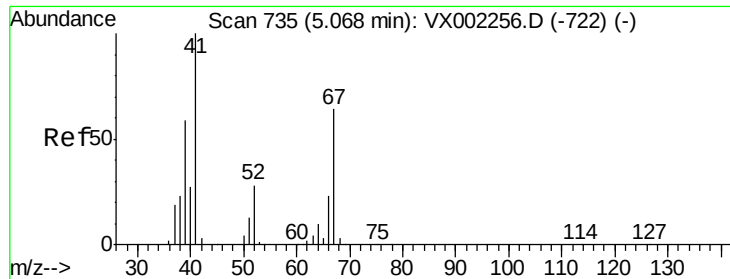
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#40
Benzene
Concen: 18.856 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





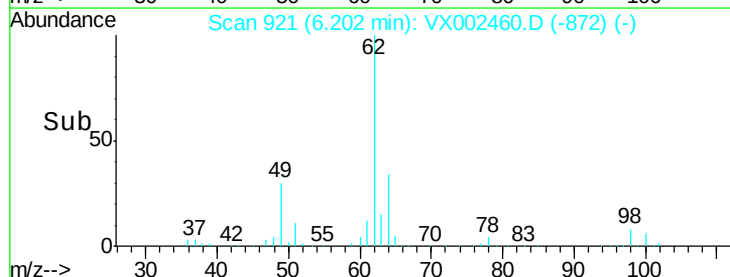
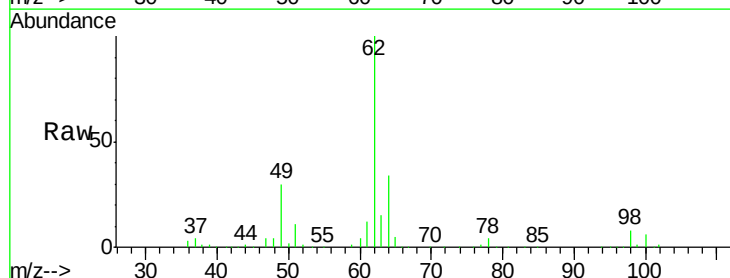
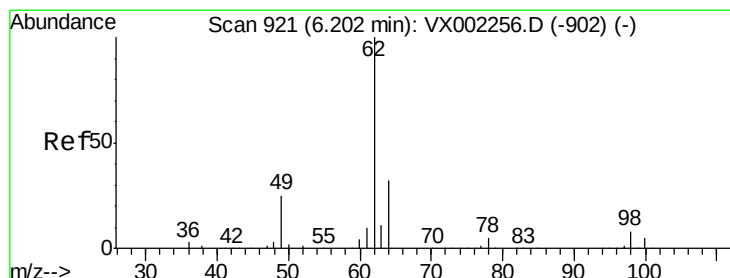
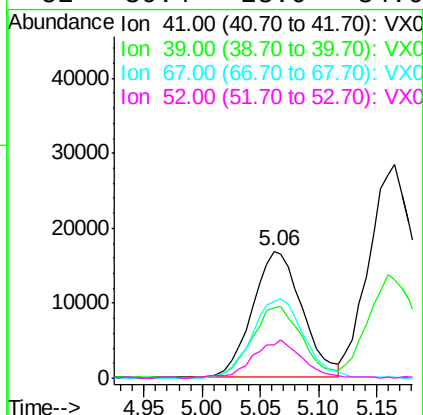
#41
Methacrylonitrile
Concen: 17.695 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50038		
39	57.2	45.8	68.6		
67	66.1	51.3	76.9		
52	30.4	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

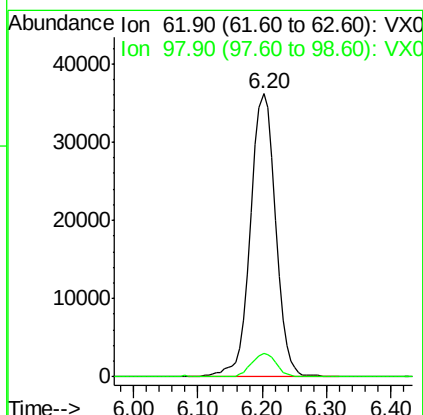
Manual Integrations
APPROVED

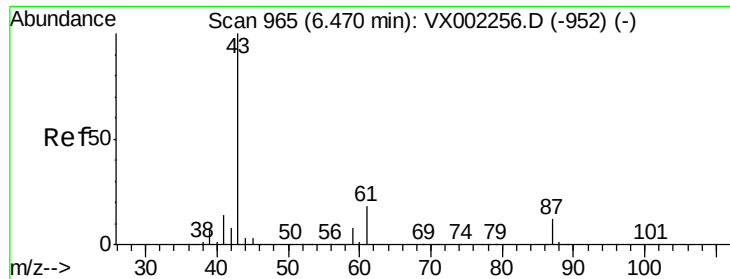
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#42
1,2-Dichloroethane
Concen: 19.205 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		96096		
98	8.2	0.0	16.6		





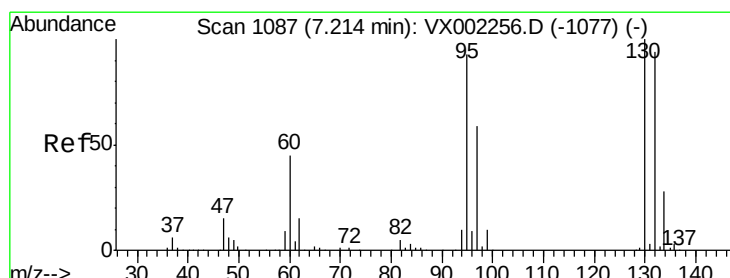
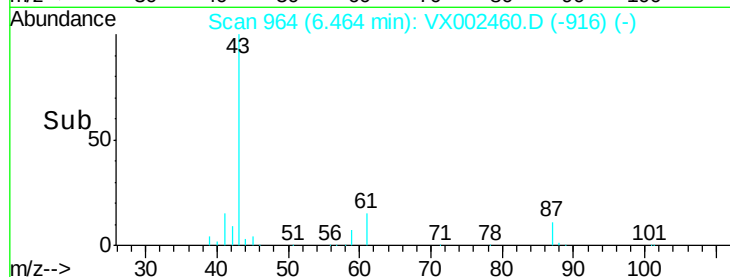
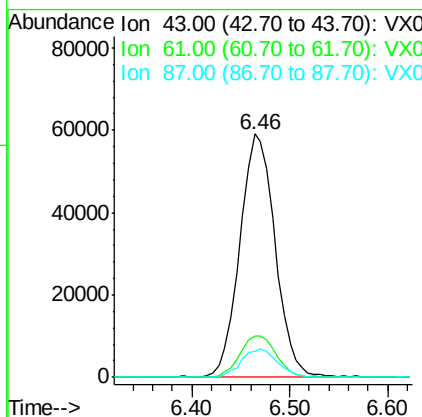
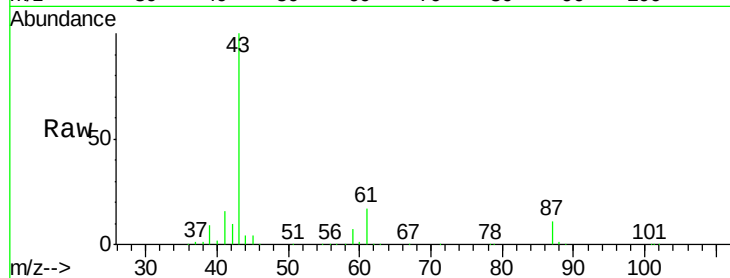
#43
Isopropyl Acetate
Concen: 17.593 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

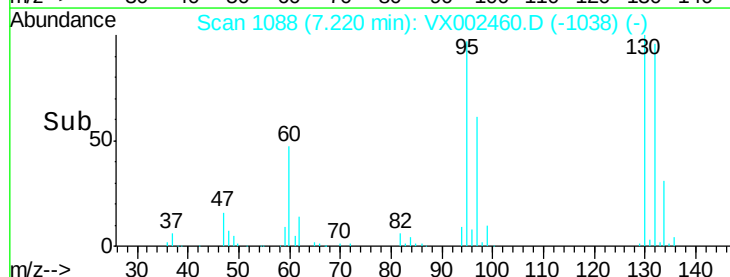
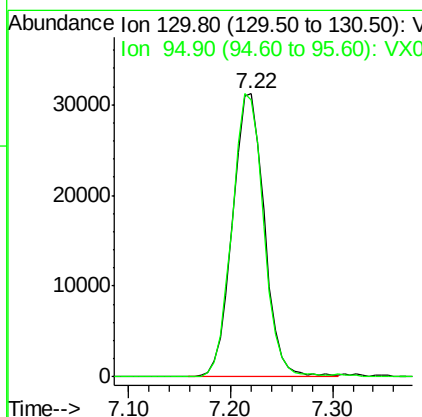
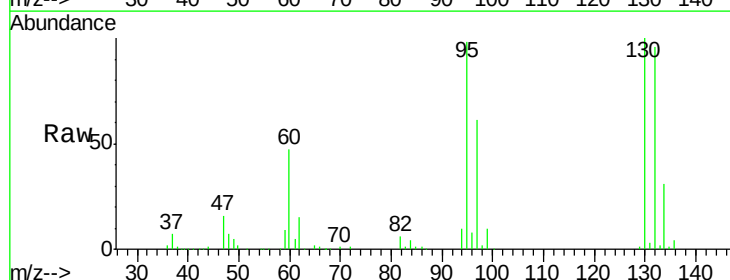
Manual Integrations
APPROVED

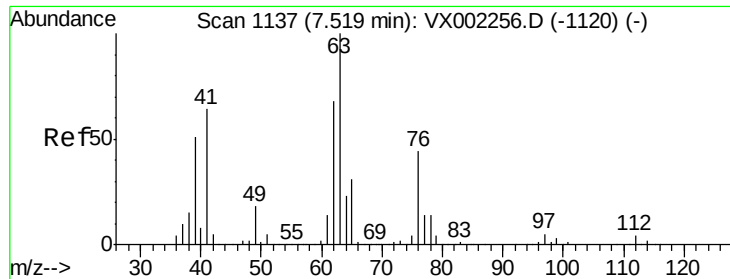
MMDadoda
6/13/2018 1:59:35 PM



#44
Trichloroethene
Concen: 19.276 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	185.4





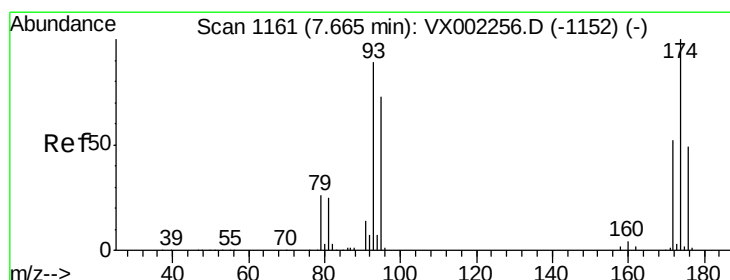
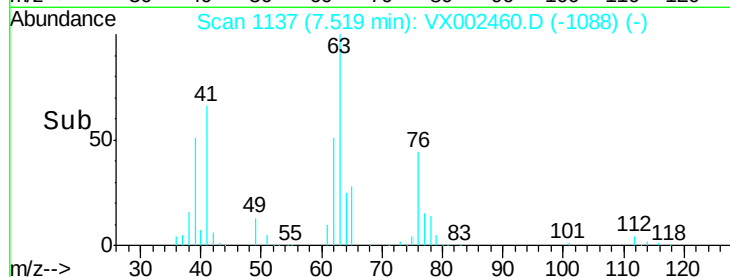
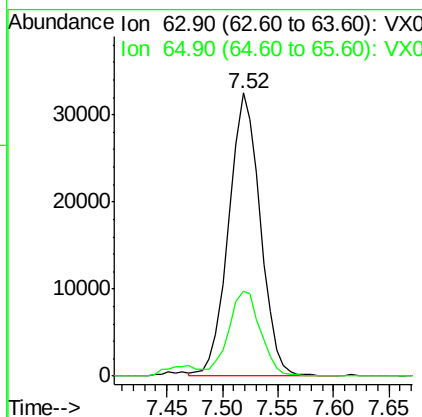
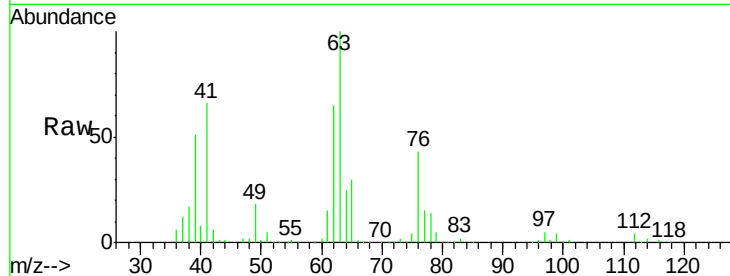
#45
 1,2-Dichloropropane
 Concen: 18.683 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion: 63 Resp: 63522
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.7 37.1

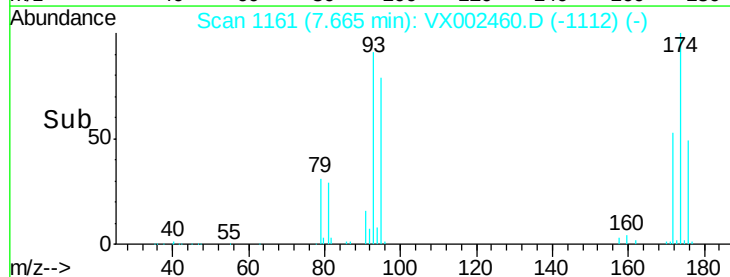
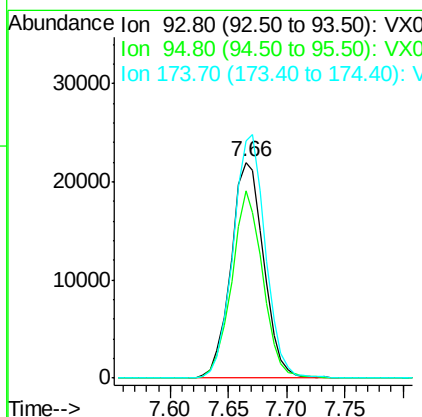
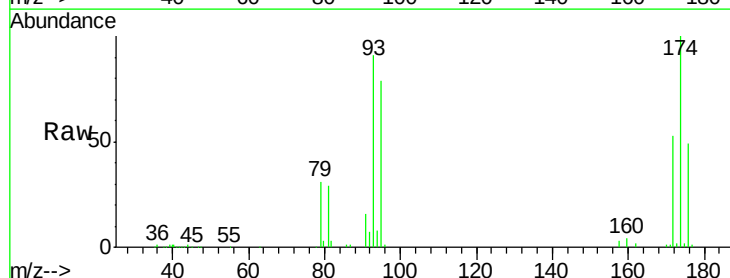
Manual Integrations
 APPROVED

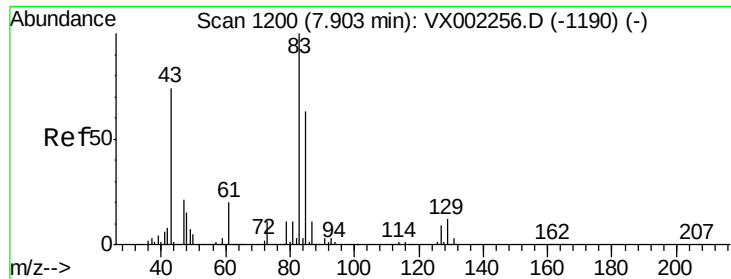
MMDadoda
 6/13/2018 1:59:35 PM



#46
 Dibromomethane
 Concen: 18.738 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion: 93 Resp: 43188
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.9 98.9
 174 111.3 92.4 138.6





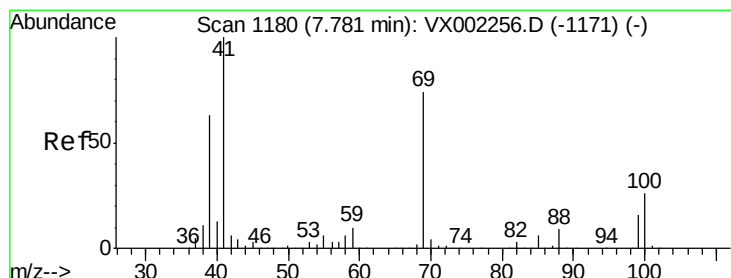
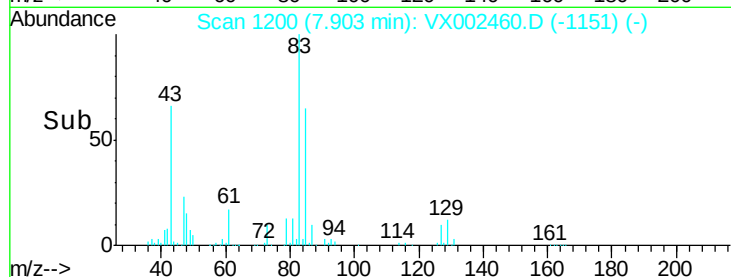
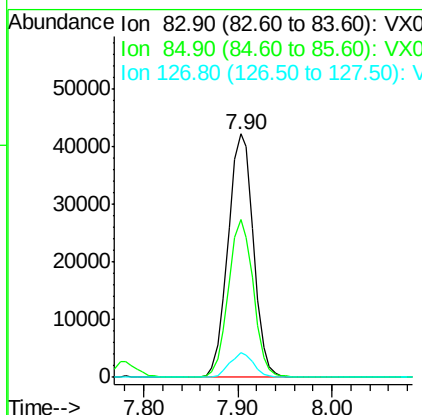
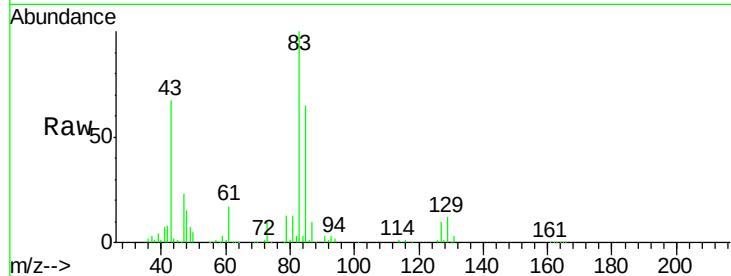
#47
Bromodichloromethane
Concen: 18.937 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	83	Resp	78941
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	10.0	7.0	10.4

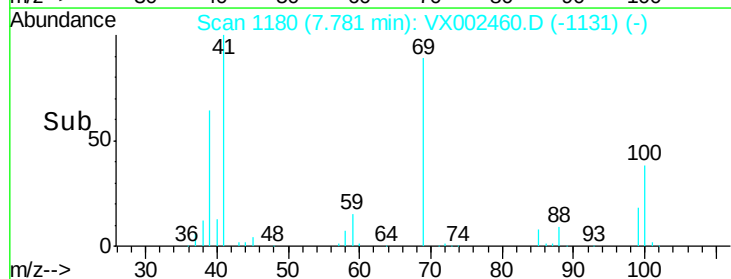
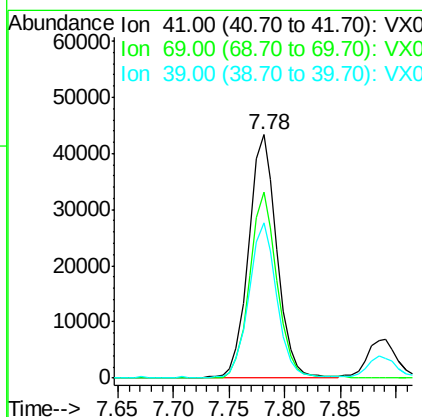
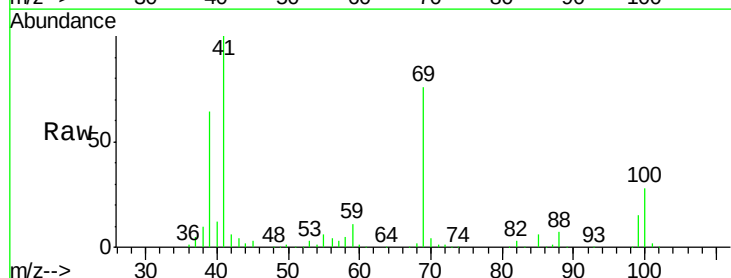
Manual Integrations
APPROVED

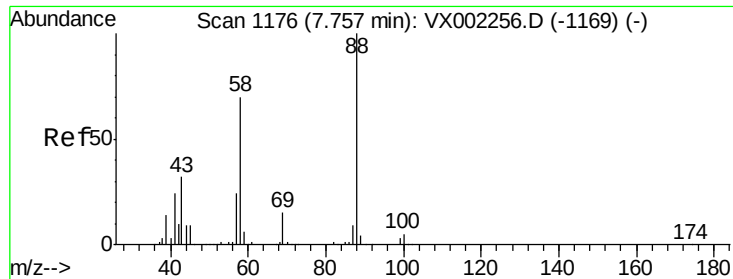
MMDadoda
6/13/2018 1:59:35 PM



#48
Methyl methacrylate
Concen: 18.016 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	41	Resp	75926
Ion Ratio	100	Lower	Upper
41	100		
69	75.0	59.1	88.7
39	62.6	48.9	73.3





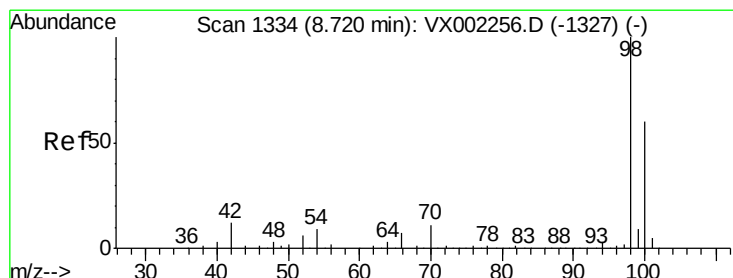
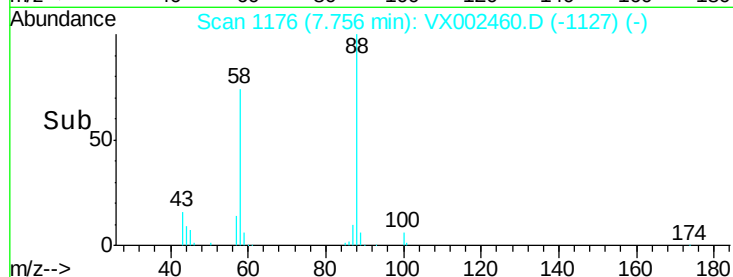
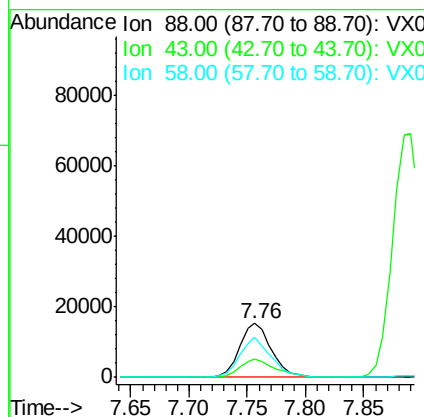
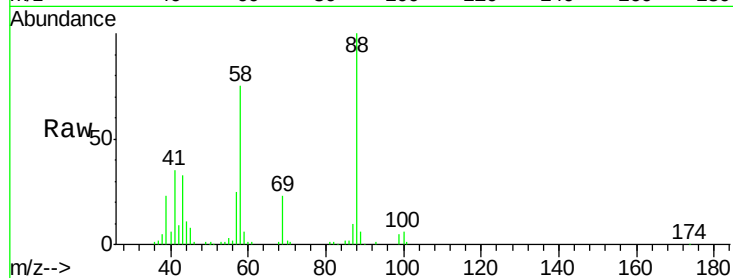
#49
1,4-Dioxane
Concen: 369.111 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.6
58	73.4	57.1	85.7

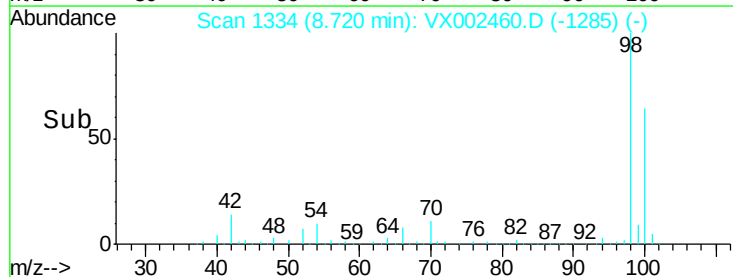
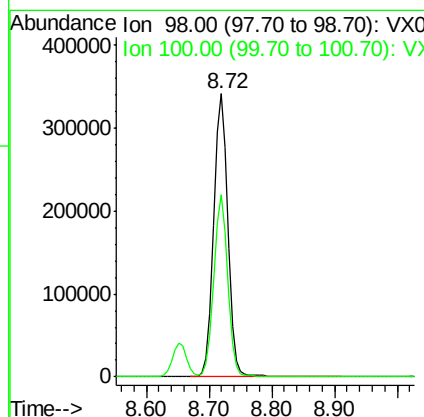
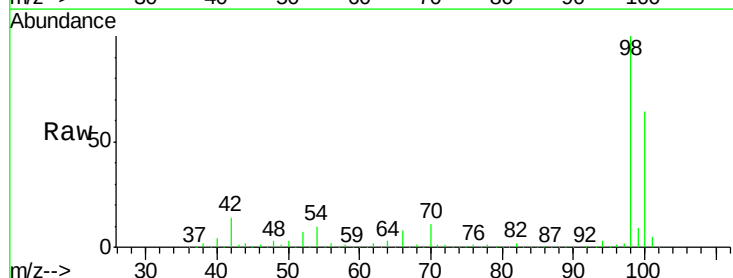
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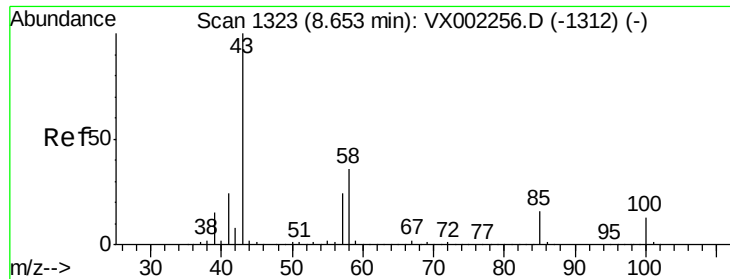
MMDadoda
6/13/2018 1:59:35 PM



#50
Toluene-d8
Concen: 45.374 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 91.308 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 43 Resp: 477077

Ion Ratio Lower Upper

43 100

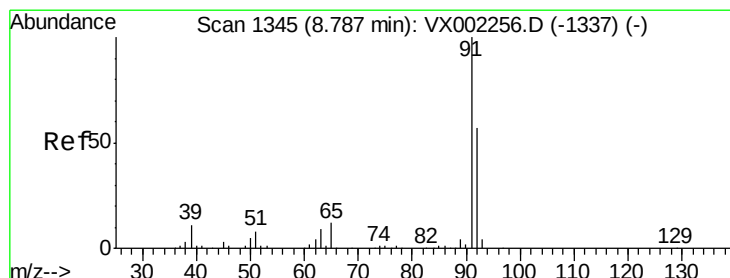
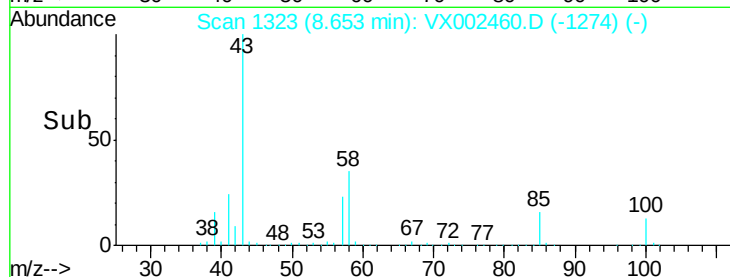
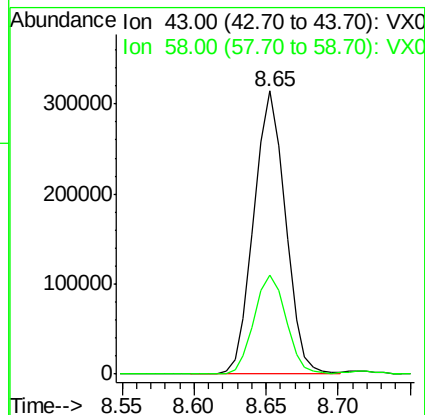
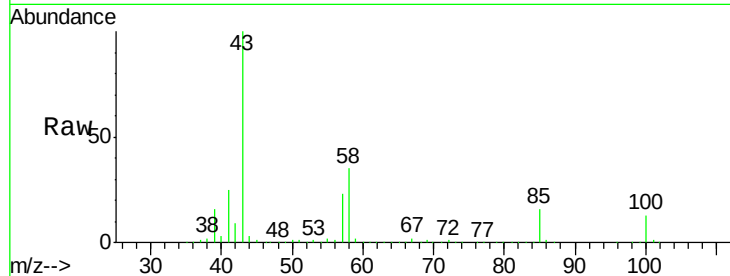
58 35.6 28.6 42.8

Manual Integrations

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MMDadoda

6/13/2018 1:59:35 PM



#52

Toluene

Concen: 19.751 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002460.D

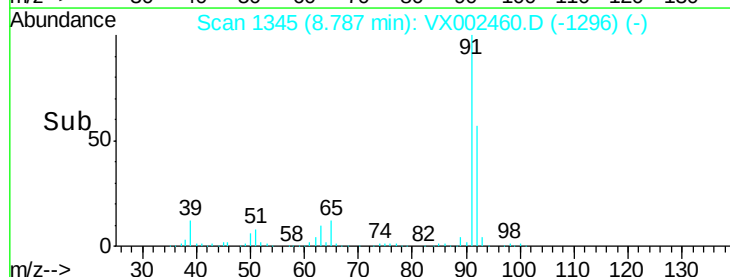
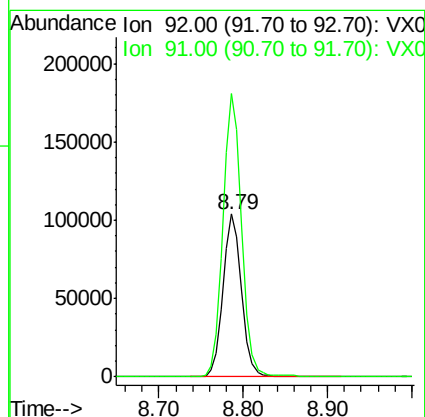
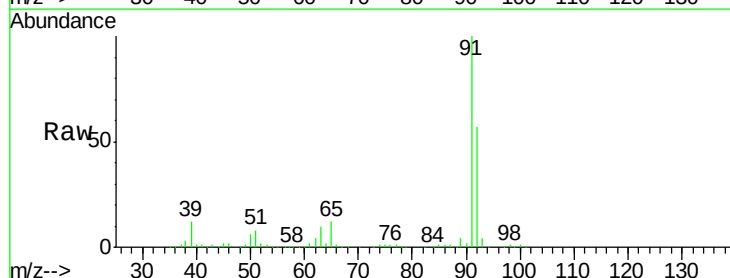
Acq: 12 Jun 2018 12:16

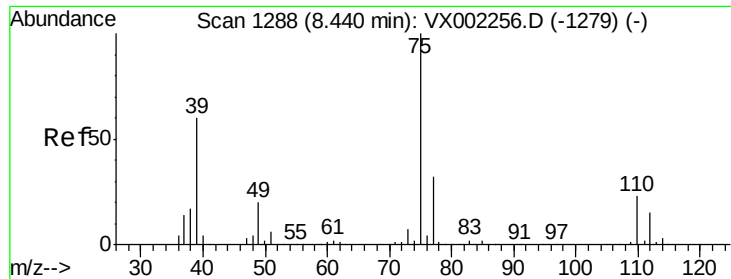
Tgt Ion: 92 Resp: 158206

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





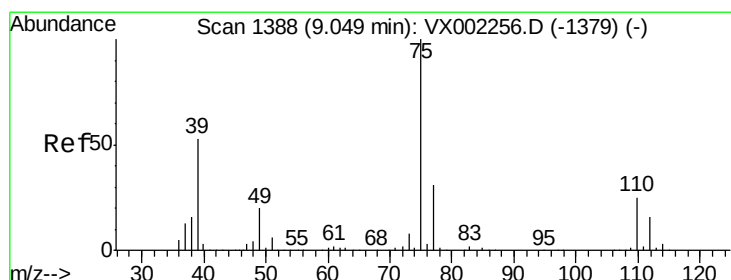
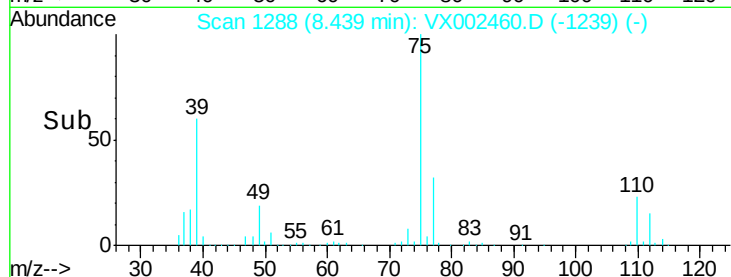
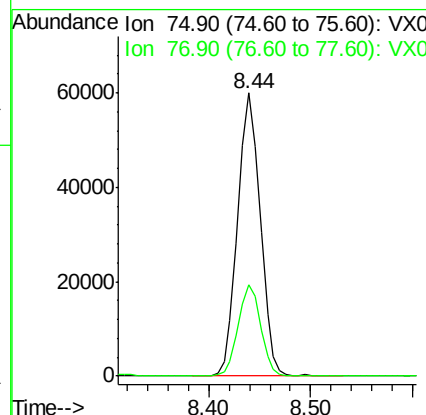
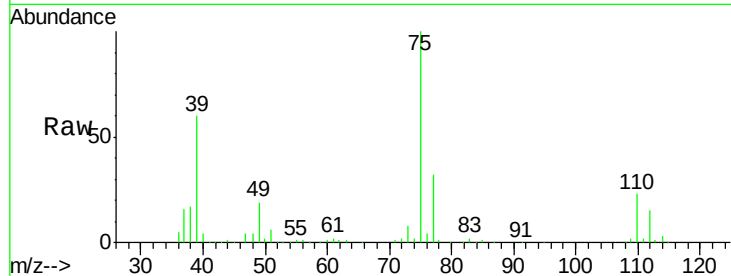
#53
t-1,3-Dichloropropene
Concen: 18.431 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

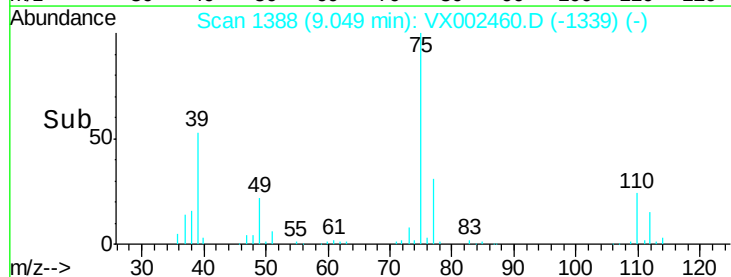
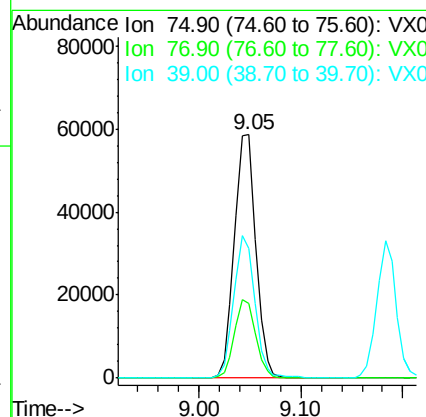
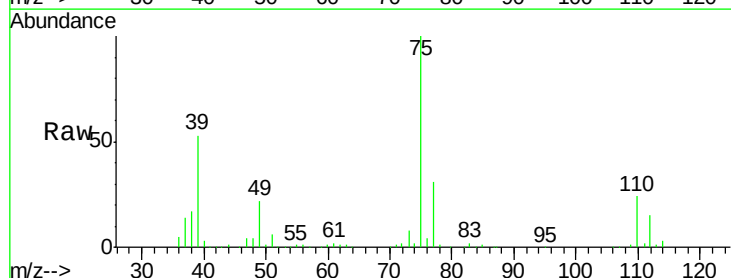
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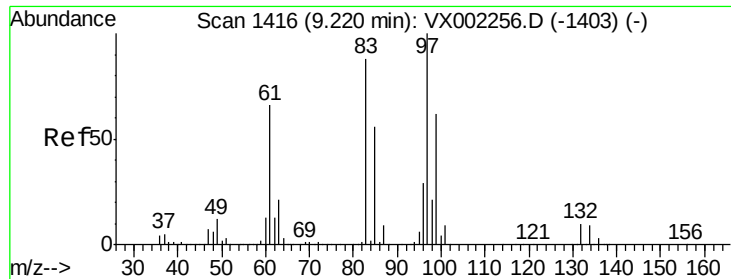
MMDadoda
6/13/2018 1:59:35 PM



#54
cis-1,3-Dichloropropene
Concen: 18.096 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	53.0	42.4	63.6





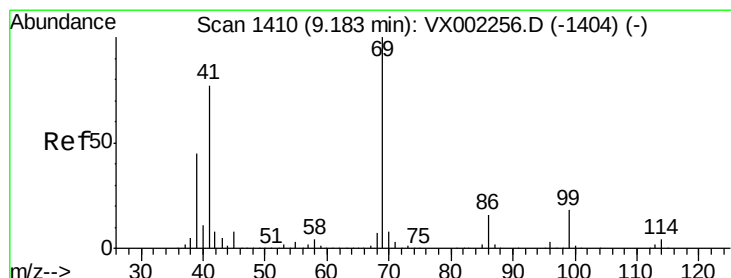
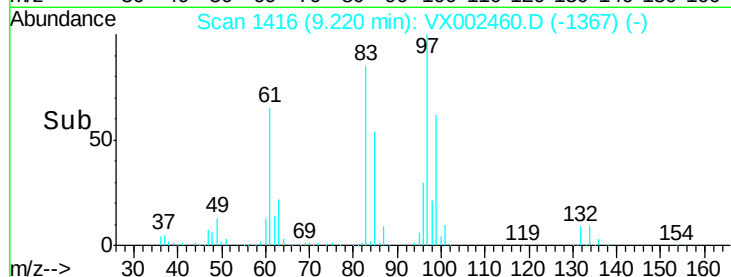
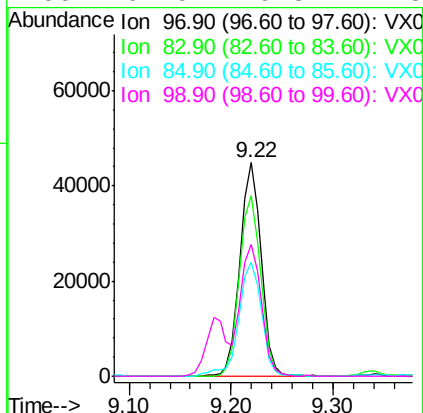
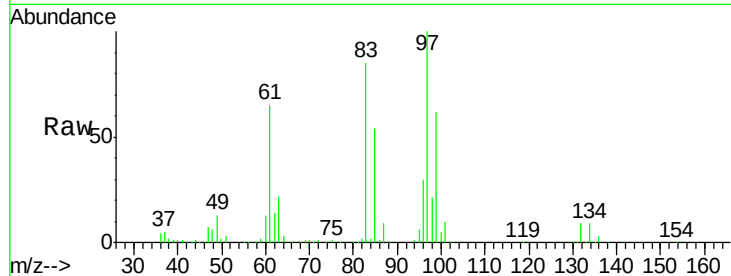
#55
 1,1,2-Trichloroethane
 Concen: 19.592 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion:	97	Resp:	64545
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	53.6	44.9	67.3
99	62.0	49.8	74.8

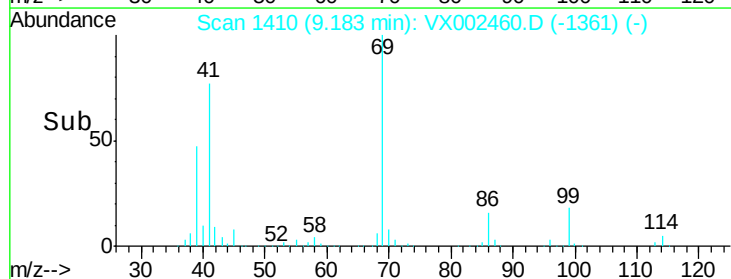
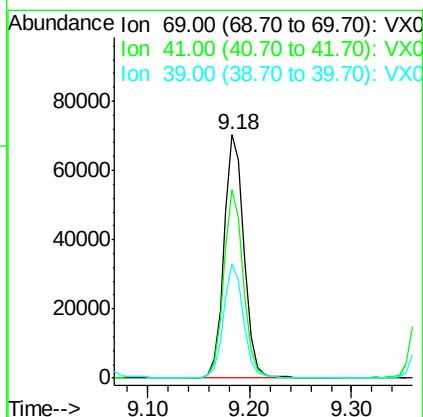
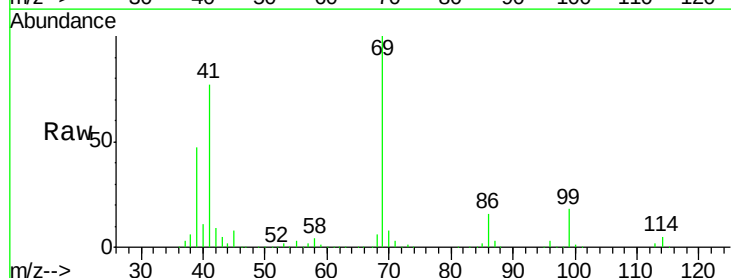
Manual Integrations
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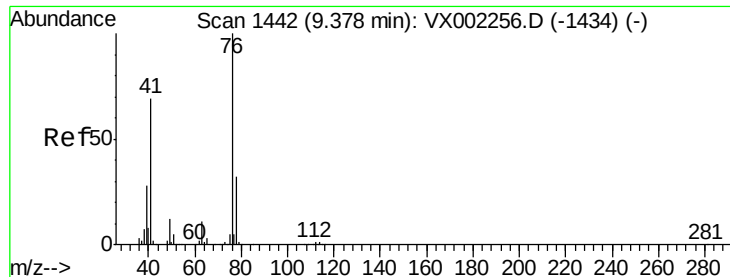
MMDadoda
 6/13/2018 1:59:35 PM



#56
 Ethyl methacrylate
 Concen: 18.126 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion:	69	Resp:	95339
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.3	90.5
39	46.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.162 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 76 Resp: 105910

Ion Ratio Lower Upper

76 100

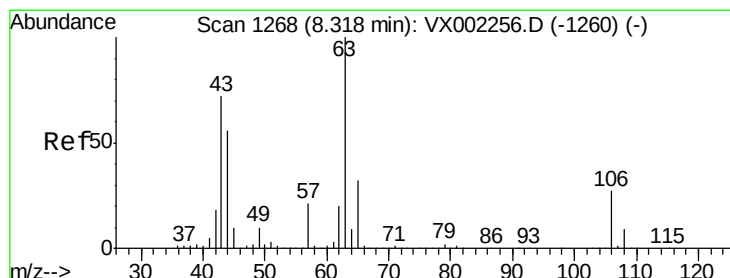
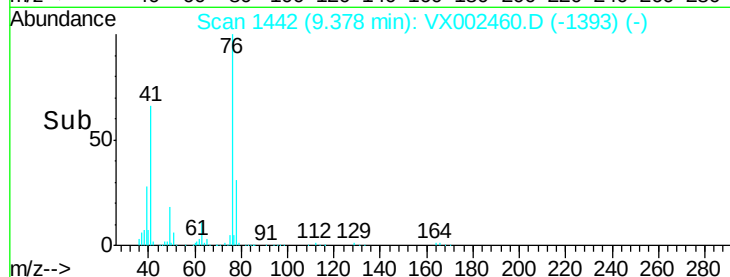
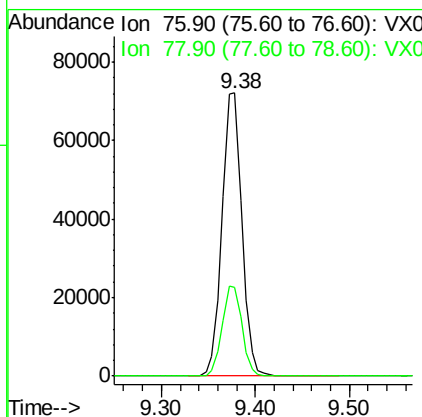
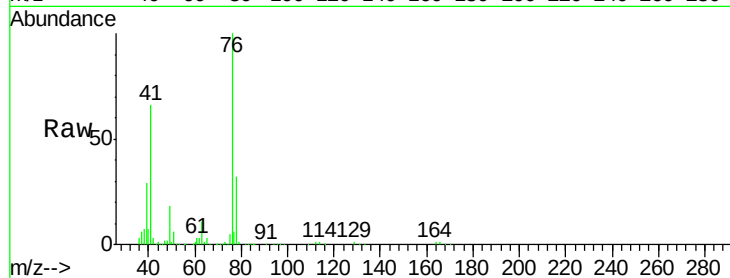
78 31.9 25.8 38.6

Manual Integrations

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MMDadoda

6/13/2018 1:59:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.466 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002460.D

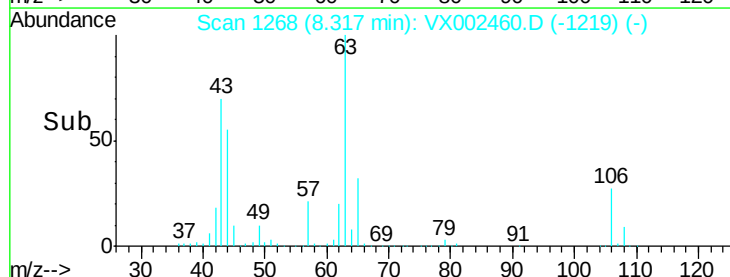
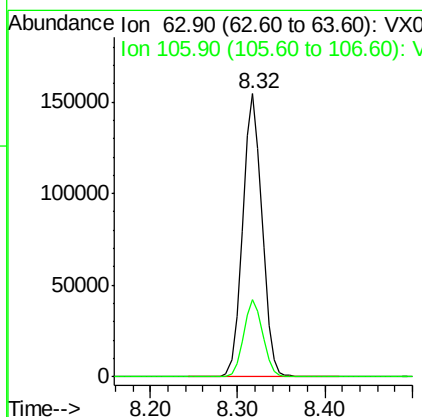
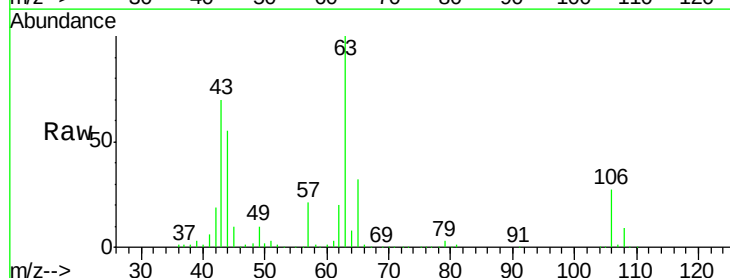
Acq: 12 Jun 2018 12:16

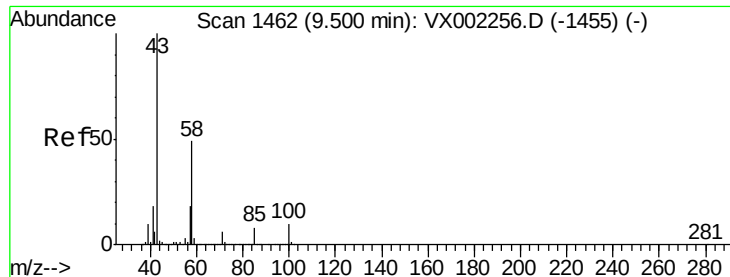
Tgt Ion: 63 Resp: 237272

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8





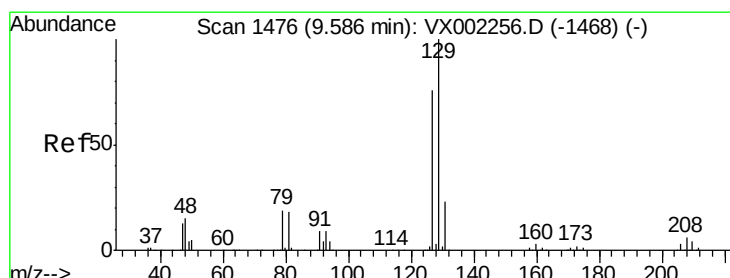
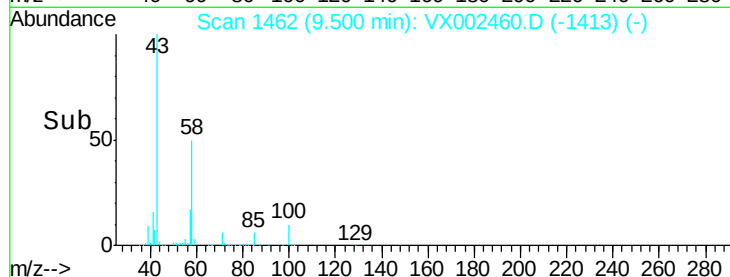
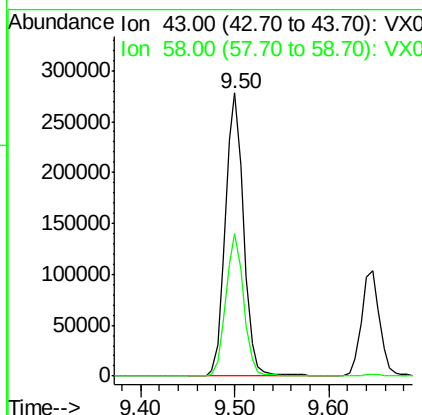
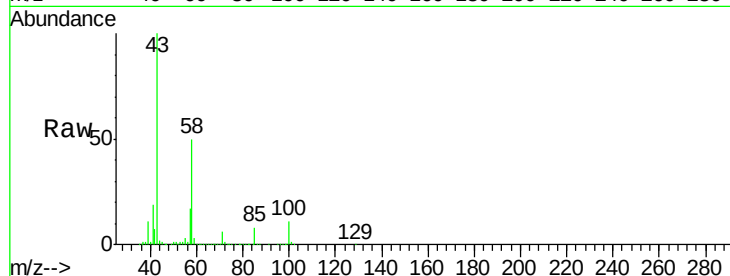
#59
2-Hexanone
Concen: 92.614 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.6	73.6

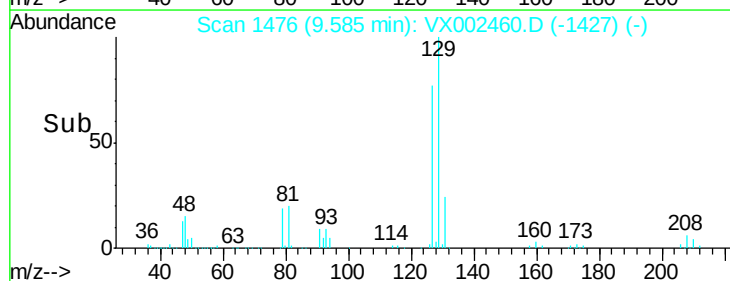
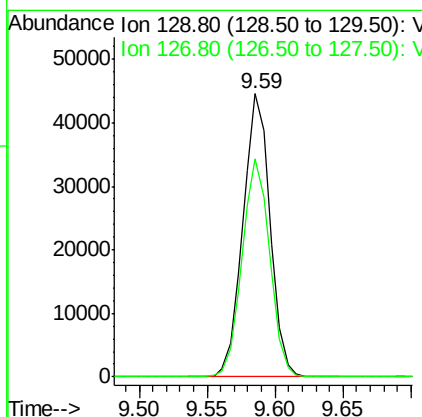
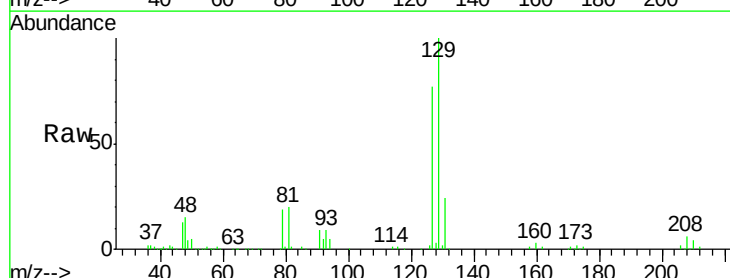
Manual Integrations
APPROVED

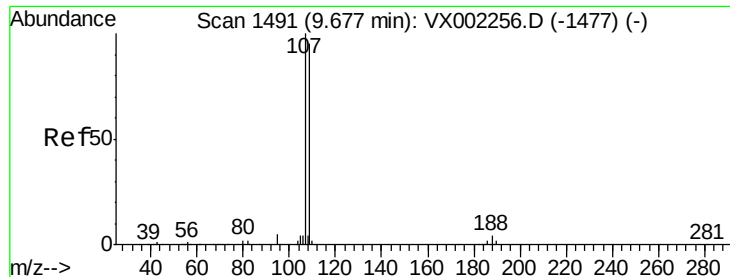
MMDadoda
6/13/2018 1:59:35 PM



#60
Dibromochloromethane
Concen: 18.827 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.251 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:107 Resp: 66128

Ion Ratio Lower Upper

107 100

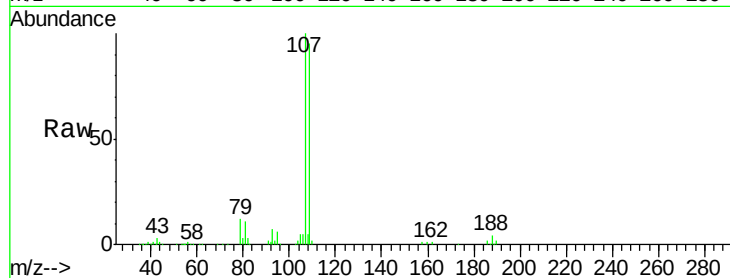
109 94.1 75.3 112.9

Manual Integrations

APPROVED

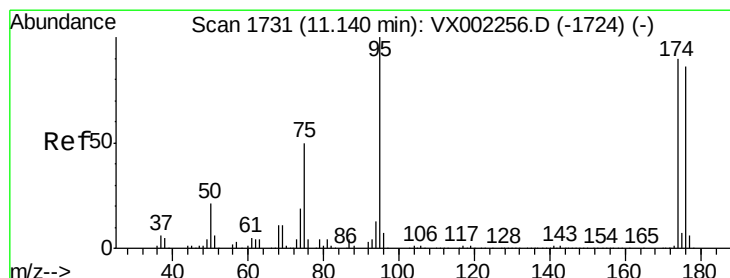
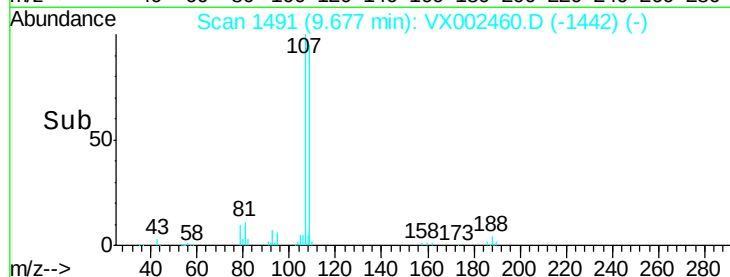
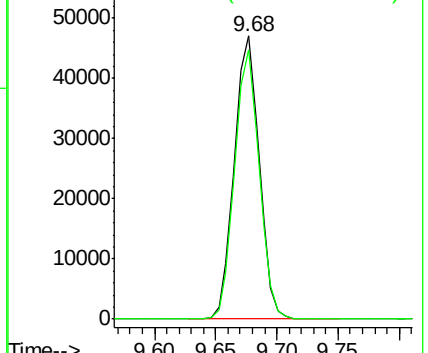
MMDadoda

6/13/2018 1:59:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.855 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

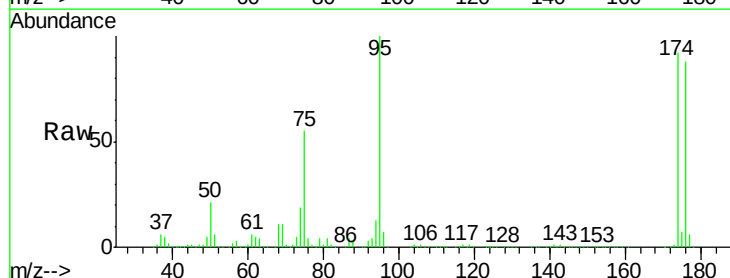
Tgt Ion: 95 Resp: 203705

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

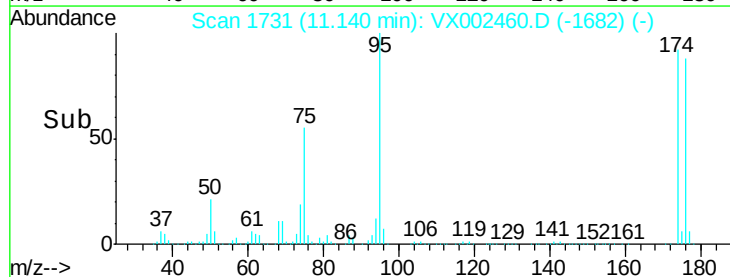
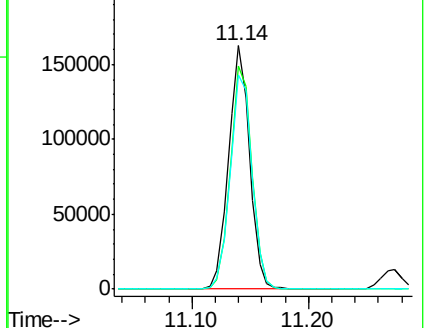
176 92.1 0.0 181.0

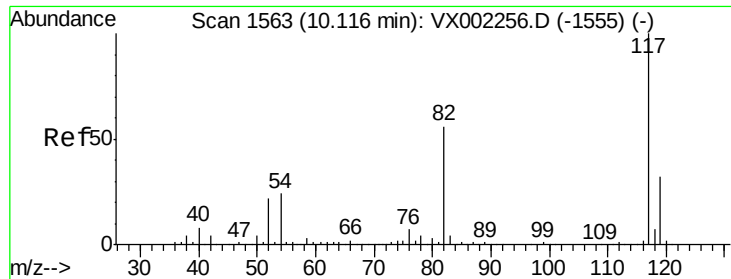


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





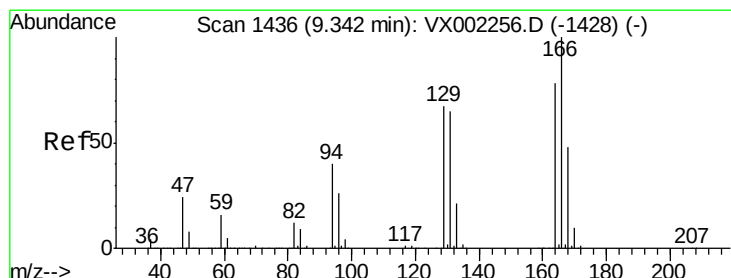
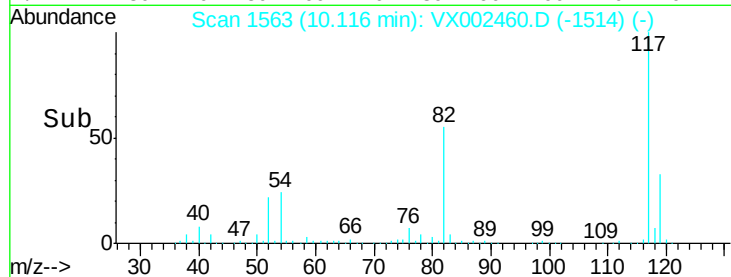
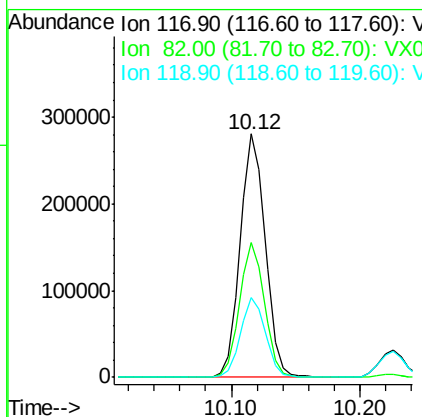
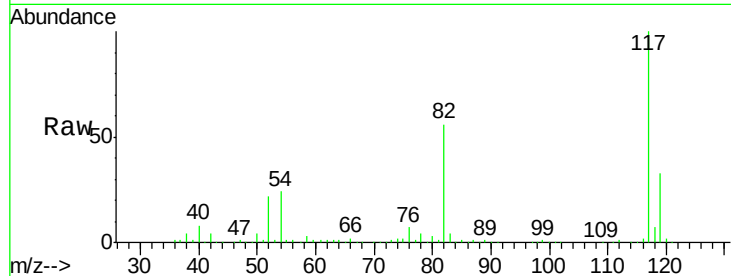
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.0	67.4
119	32.6	25.8	38.6

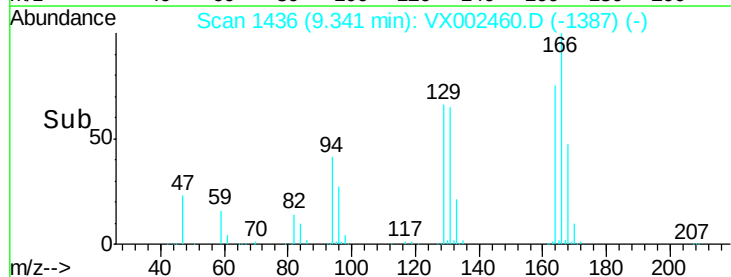
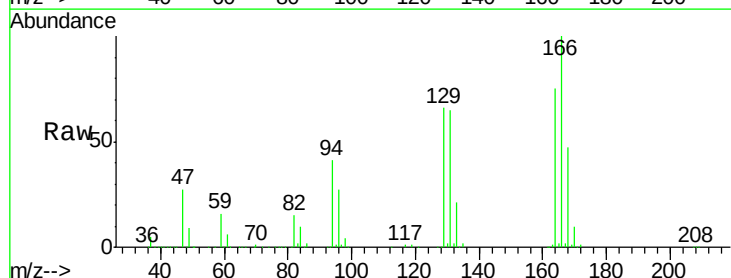
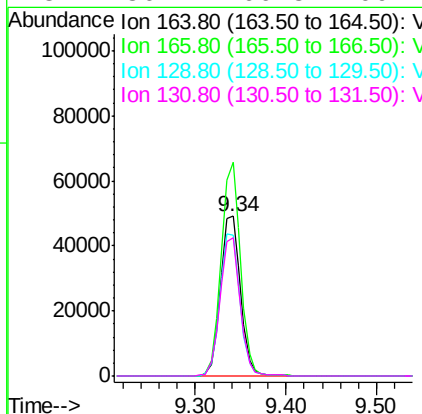
Manual Integrations
APPROVED

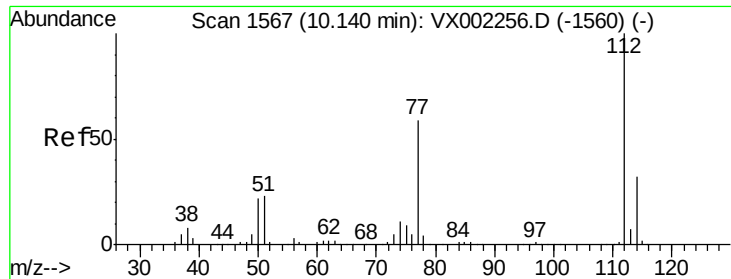
MMDadoda
6/13/2018 1:59:35 PM



#64
Tetrachloroethene
Concen: 19.424 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	102.9	154.3
129	87.9	68.6	102.8
131	86.2	66.8	100.2





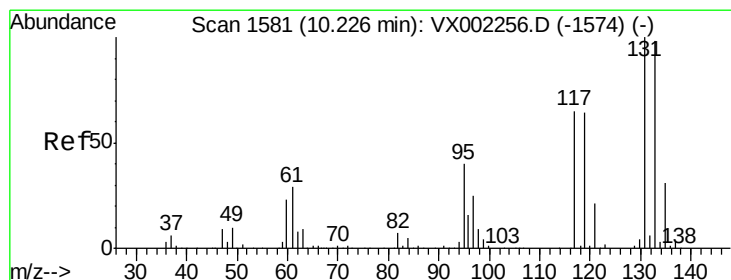
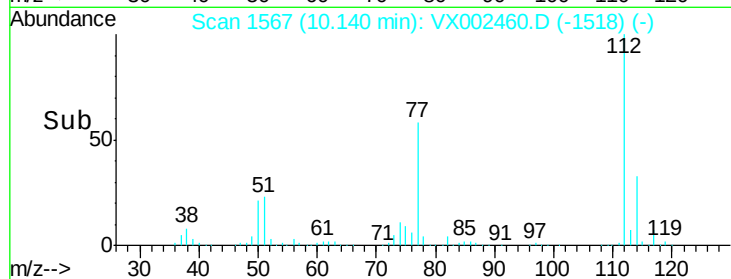
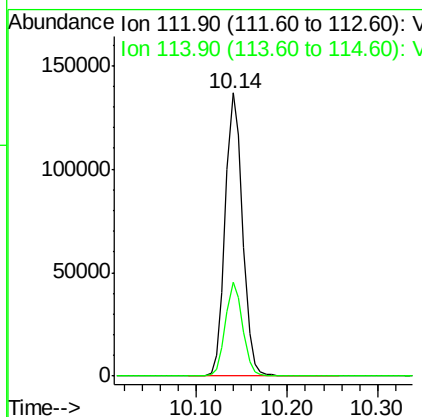
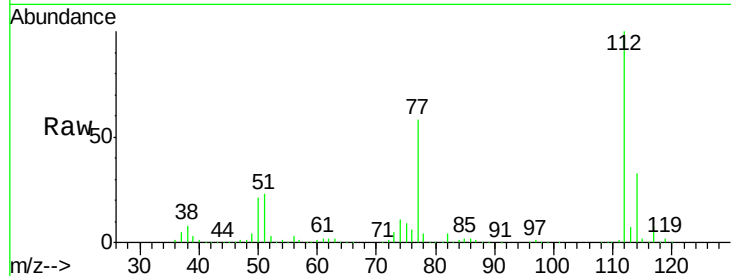
#65
Chlorobenzene
Concen: 19.493 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion:112 Resp: 183279
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9

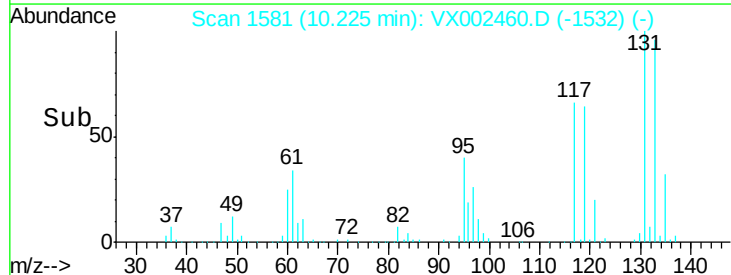
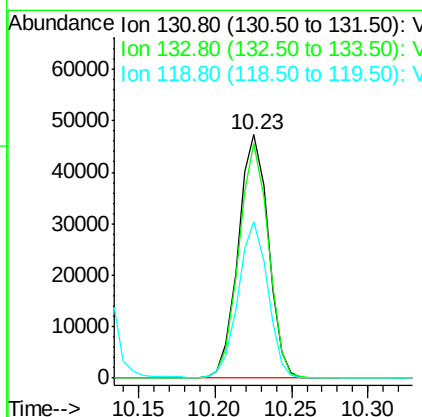
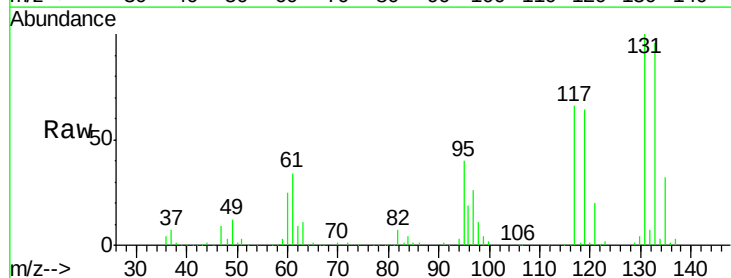
Manual Integrations
APPROVED

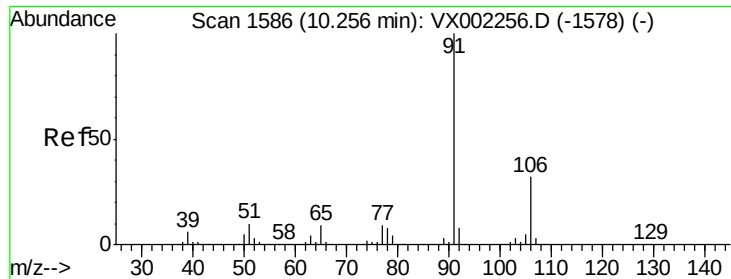
MMDadoda
6/13/2018 1:59:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.964 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion:131 Resp: 64563
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 63.2 31.8 95.3





#67

Ethyl Benzene

Concen: 19.939 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0612WBS01

Tot Ion: 91 Resp: 313745

Ion Ratio Lower Upper

91 100

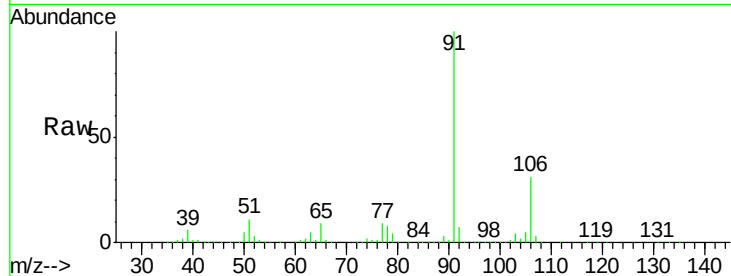
106 31.0 25.5 38.3

Manual Integrations

APPROVED

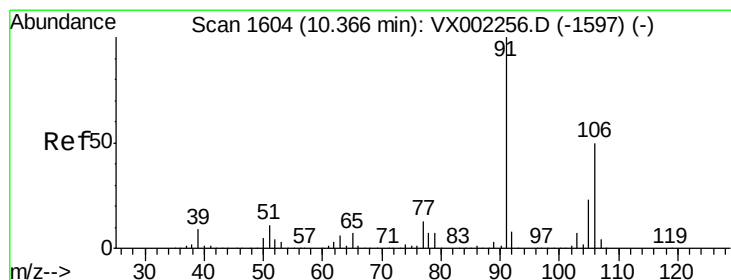
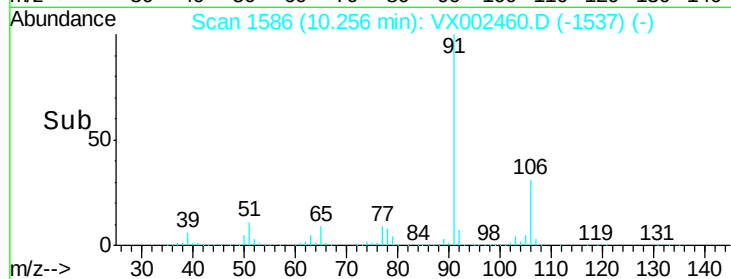
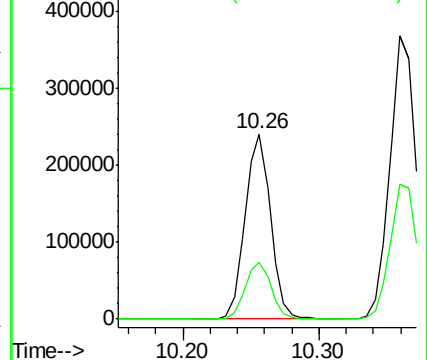
MMDadoda

6/13/2018 1:59:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.785 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002460.D

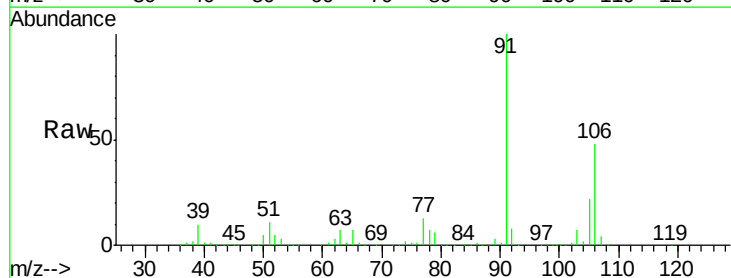
Acq: 12 Jun 2018 12:16

Tgt Ion: 106 Resp: 243345

Ion Ratio Lower Upper

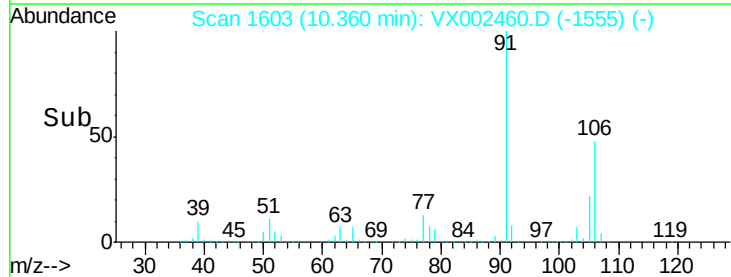
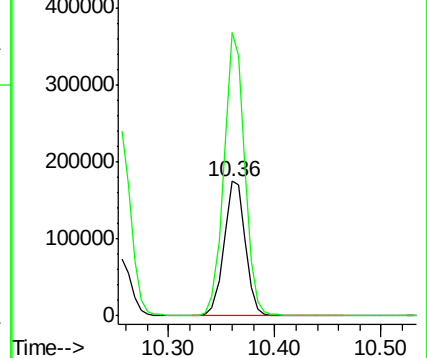
106 100

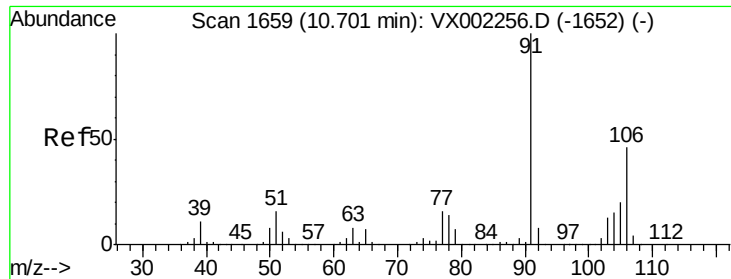
91 204.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





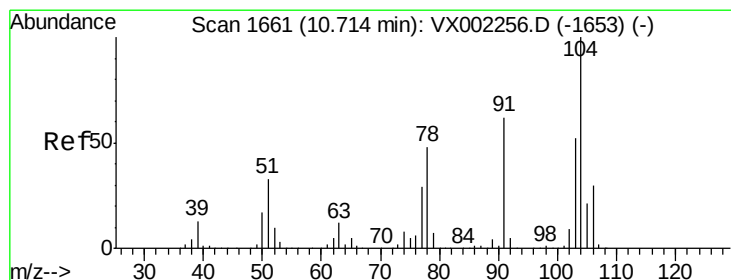
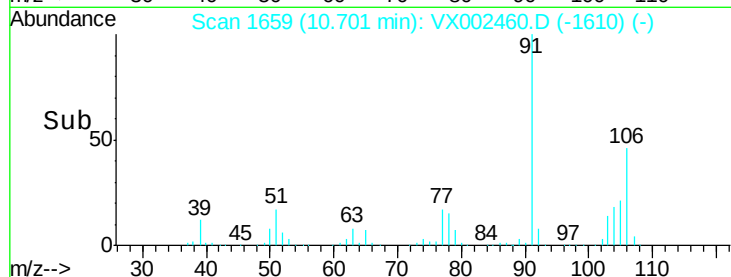
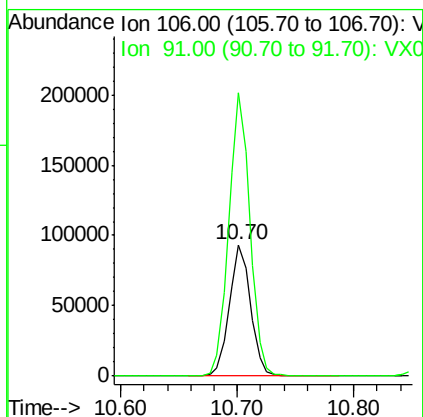
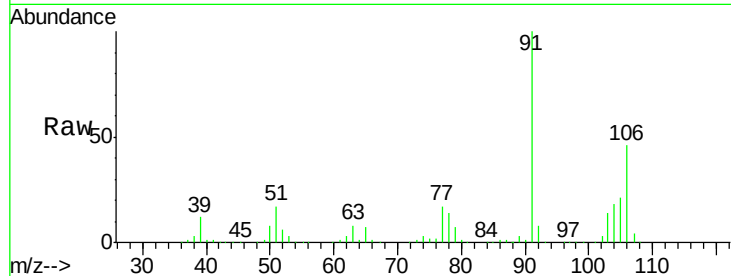
#69
o-Xylene
Concen: 19.513 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0612WBS01

Tot Ion:106 Resp: 118773
Ion Ratio Lower Upper
106 100
91 214.4 108.2 324.6

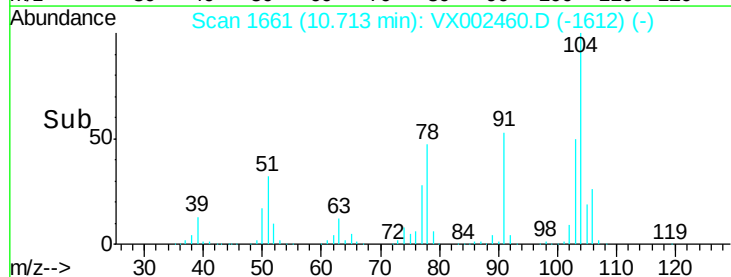
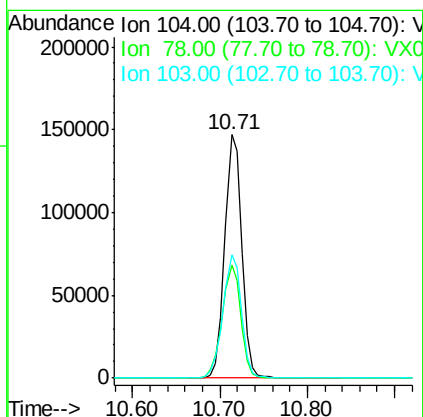
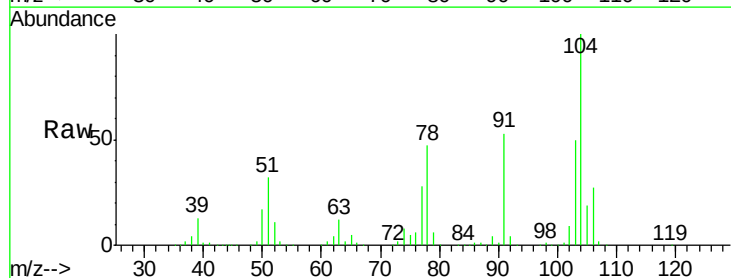
Manual Integrations
APPROVED

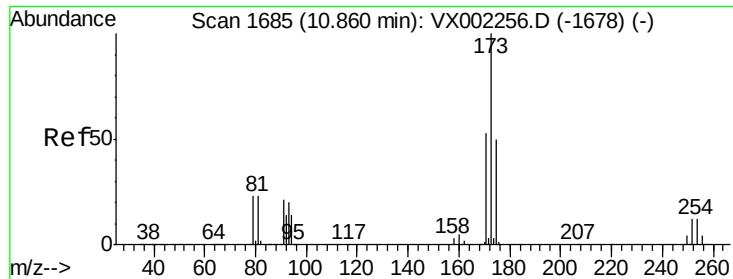
MMDadoda
6/13/2018 1:59:35 PM



#70
Styrene
Concen: 19.843 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion:104 Resp: 197452
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 55.0 44.2 66.4





#71

Bromoform

Concen: 17.479 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:173 Resp: 45929

Ion Ratio Lower Upper

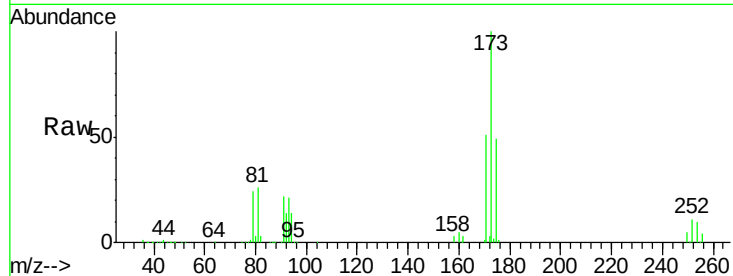
173 100

175 49.8 24.7 74.1

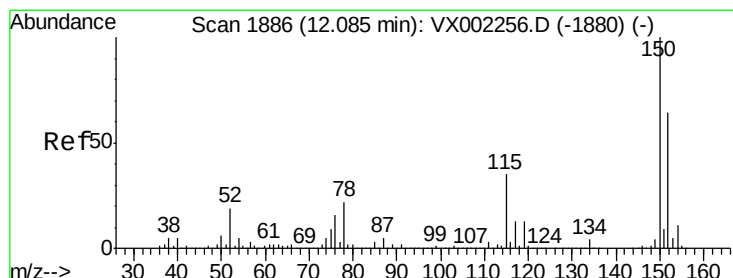
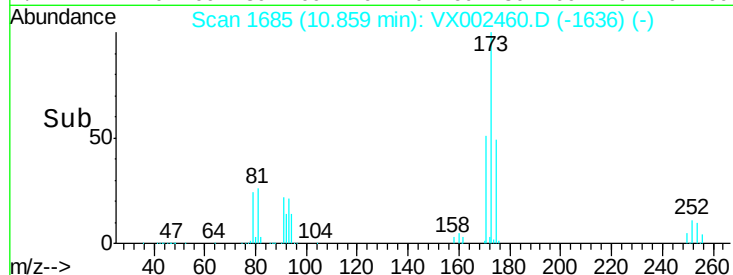
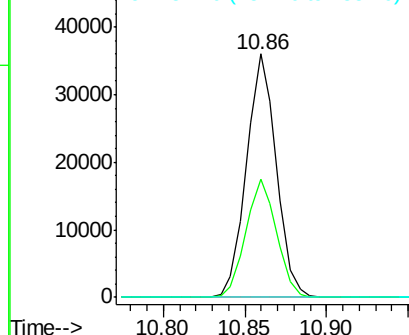
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

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6/13/2018 1:59:35 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: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

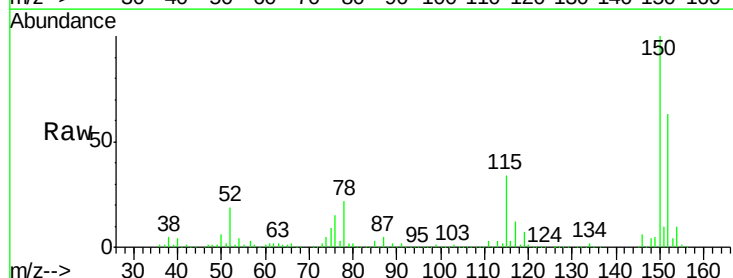
Tgt Ion:152 Resp: 245166

Ion Ratio Lower Upper

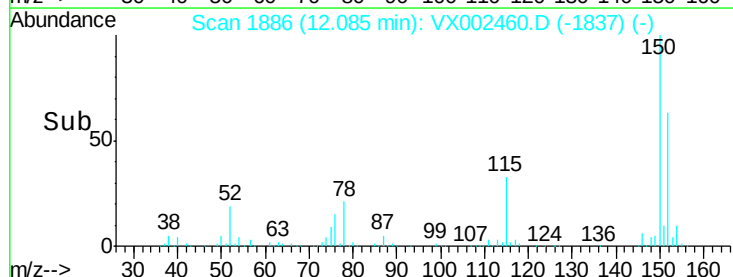
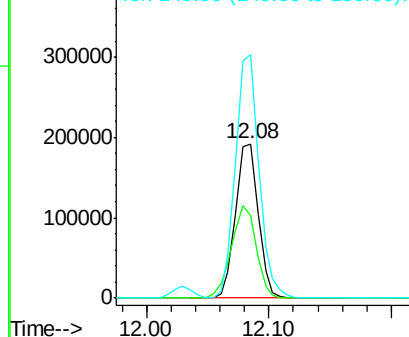
152 100

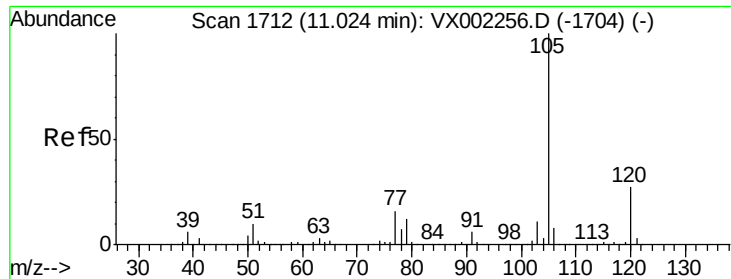
115 65.5 40.1 120.2

150 163.6 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: 19.334 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:105 Resp: 329746

Ion Ratio Lower Upper

105 100

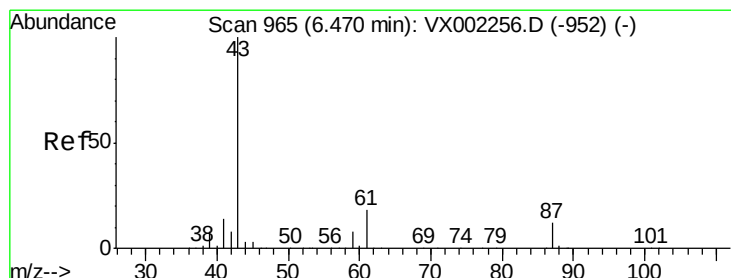
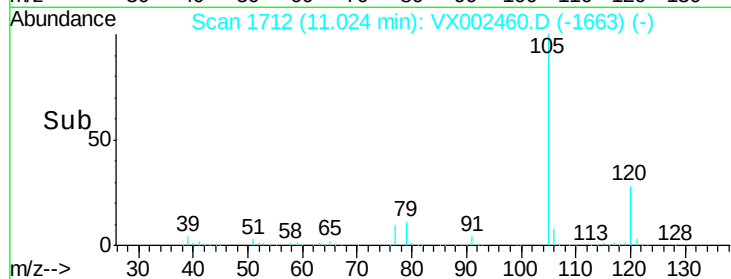
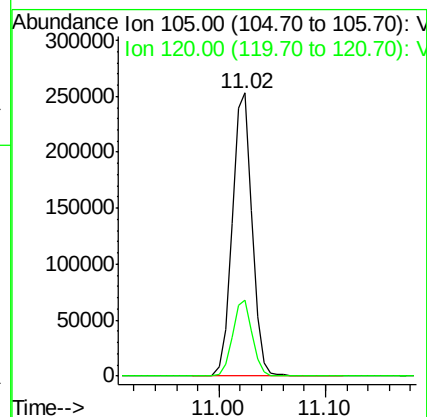
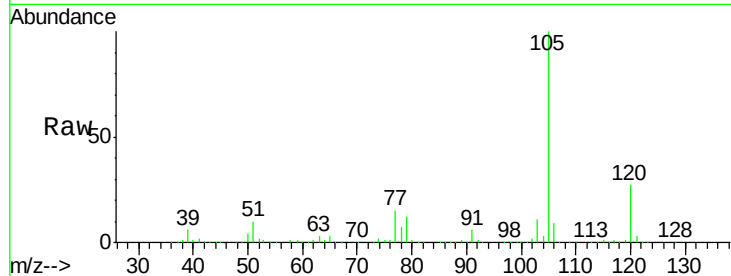
120 26.7 13.5 40.4

Manual Integrations

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6/13/2018 1:59:35 PM



#74

N-ethyl acetate

Concen: 16.063 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion: 43 Resp: 147611

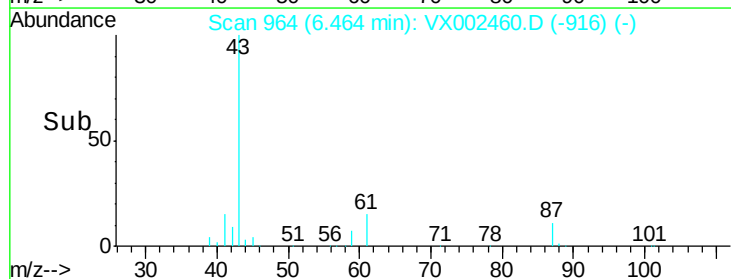
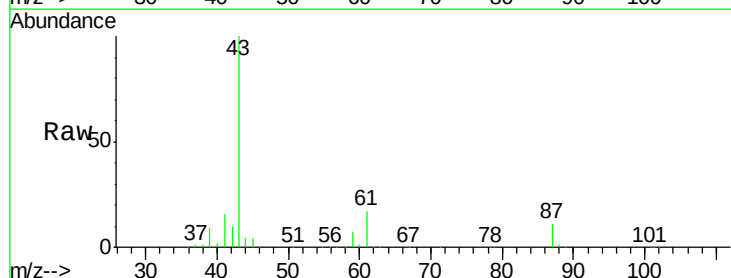
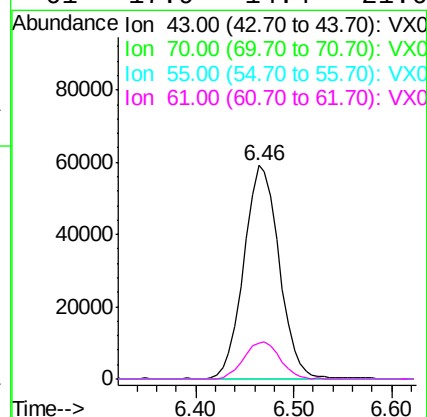
Ion Ratio Lower Upper

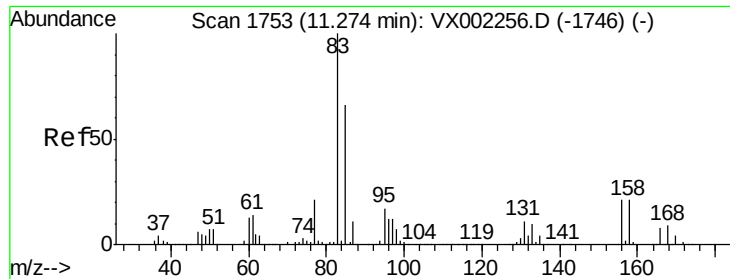
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.736 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

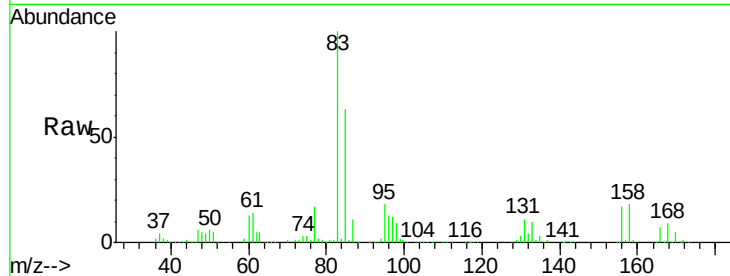
ClientSampleId :

VX0612WBS01

Tot Ion:	83	Resp:	95137
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	63.7	32.4	97.2

Manual Integrations
APPROVED

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6/13/2018 1:59:35 PM

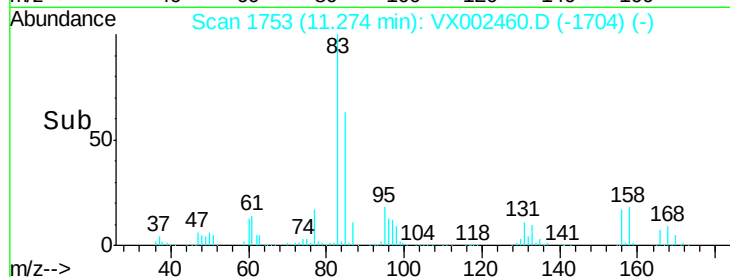


Abundance Ion 82.90 (82.60 to 83.60): VX0

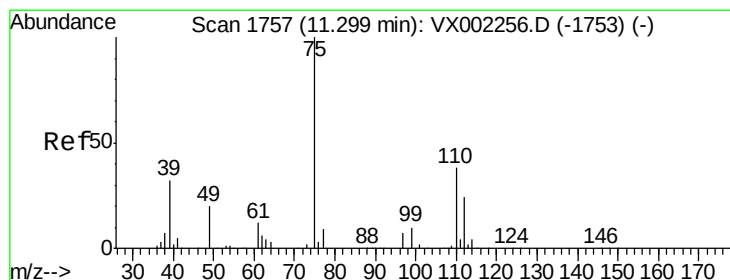
Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 15.670 ug/l m

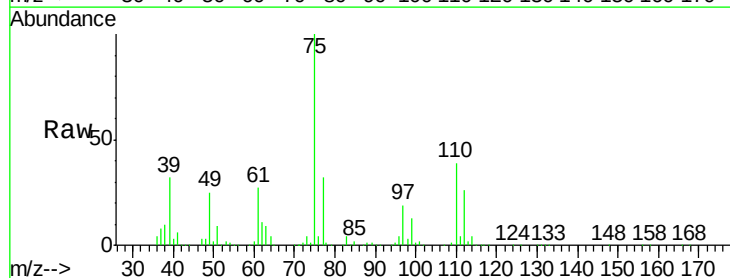
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

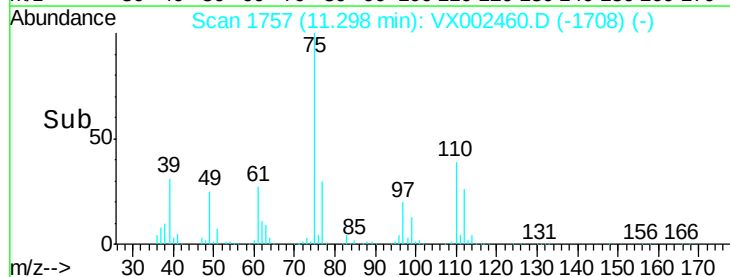
Tgt Ion:	75	Resp:	84299
Ion Ratio	Lower	Upper	
75	100		
77	40.1	22.8	68.3



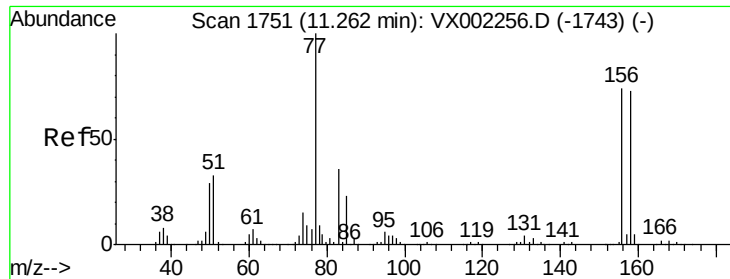
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



Time-->



#77

Bromobenzene

Concen: 18.079 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:156 Resp: 86563

Ion Ratio Lower Upper

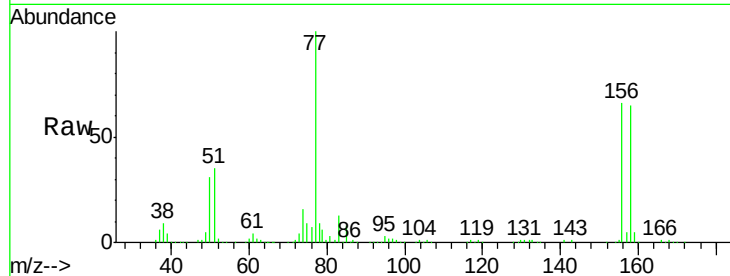
156 100

77 142.8 71.4 214.2

158 98.8 48.9 146.6

Manual Integrations
APPROVED

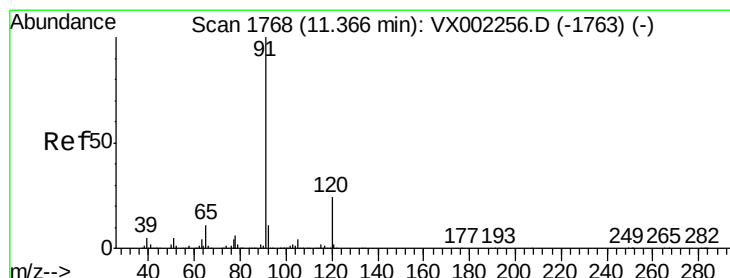
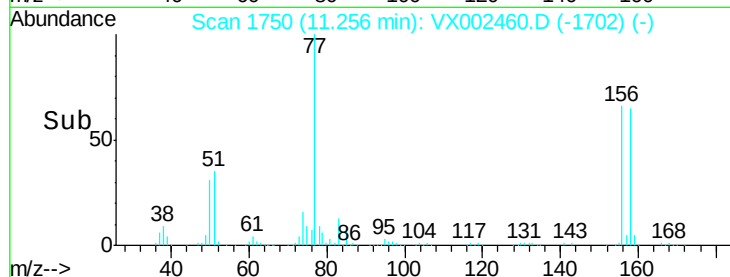
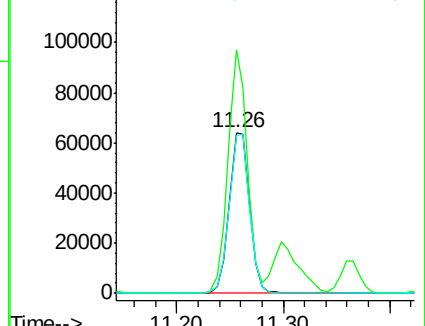
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.268 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002460.D

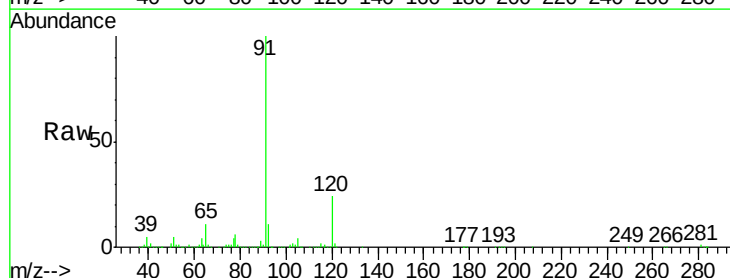
Acq: 12 Jun 2018 12:16

Tgt Ion: 91 Resp: 384196

Ion Ratio Lower Upper

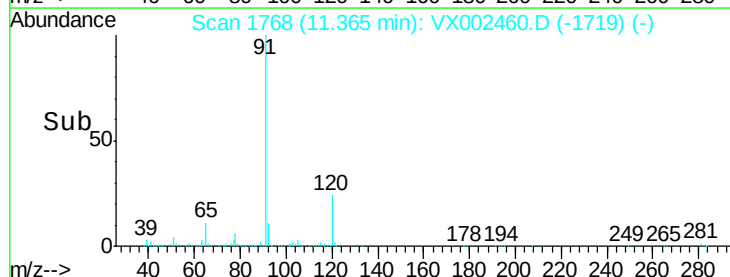
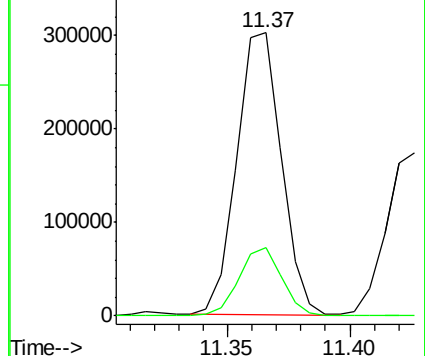
91 100

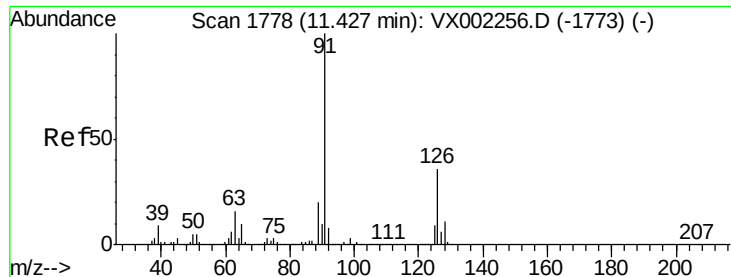
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.407 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 91 Resp: 220325

Ion Ratio Lower Upper

91 100

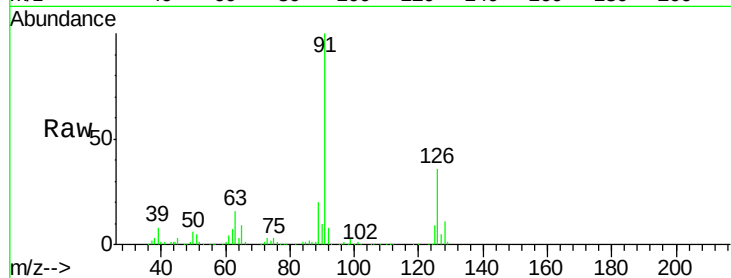
126 35.8 17.7 53.1

Manual Integrations

APPROVED

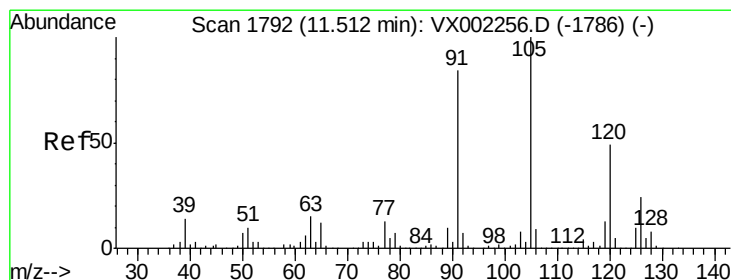
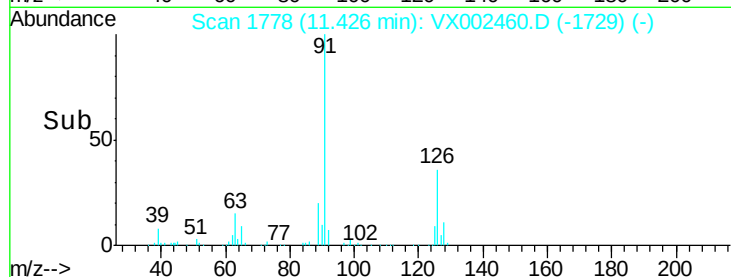
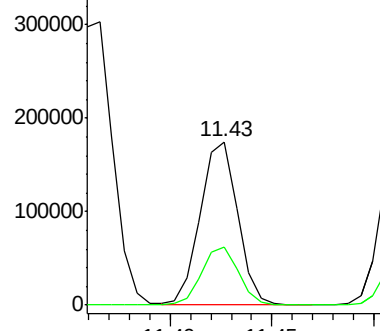
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.106 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002460.D

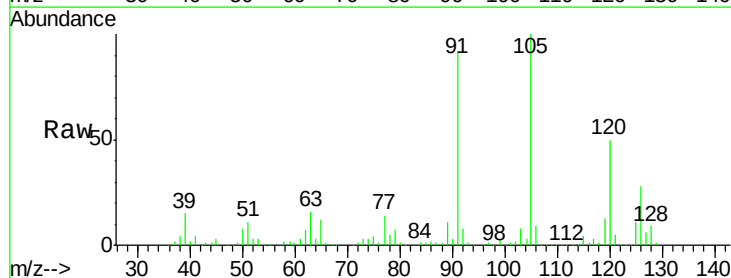
Acq: 12 Jun 2018 12:16

Tgt Ion: 105 Resp: 279483

Ion Ratio Lower Upper

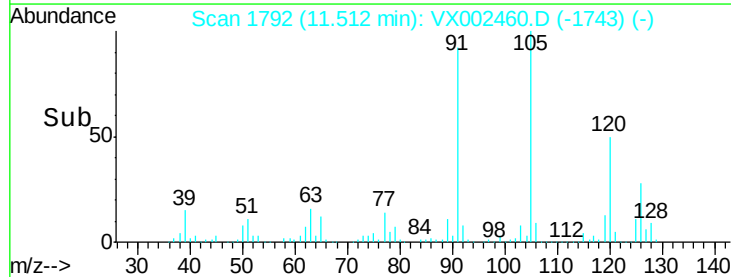
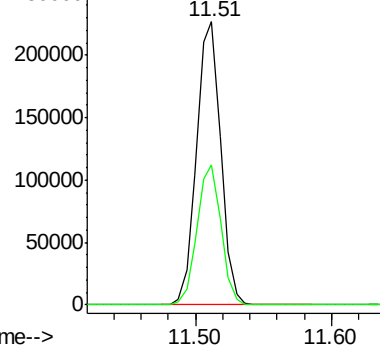
105 100

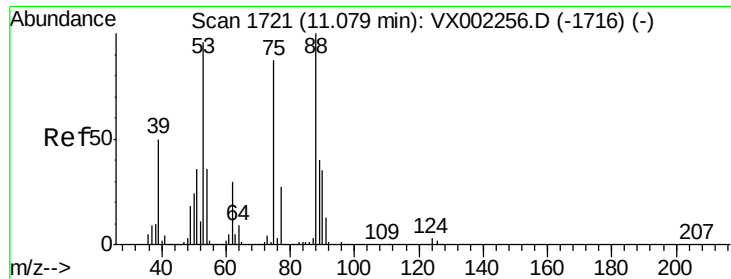
120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





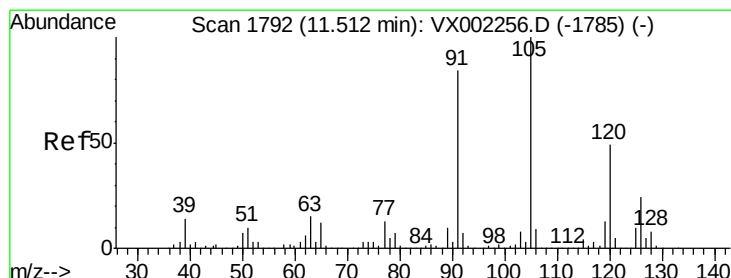
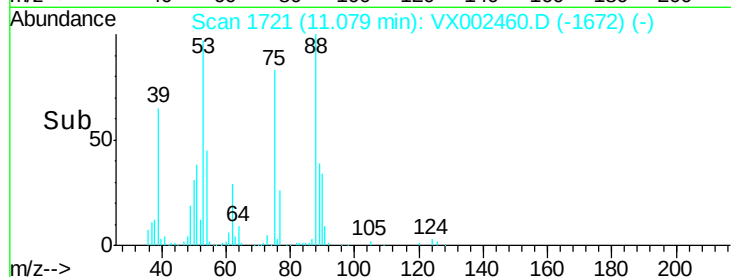
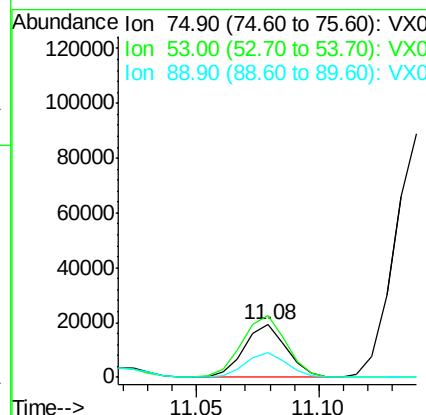
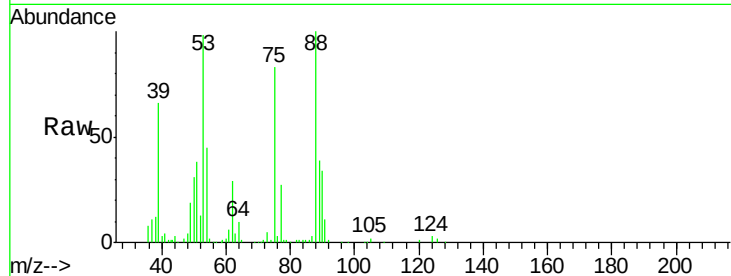
#81
trans-1,4-Dichloro-2-butene
Concen: 15.078 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.4	86.8	130.2
89	46.8	38.2	57.2

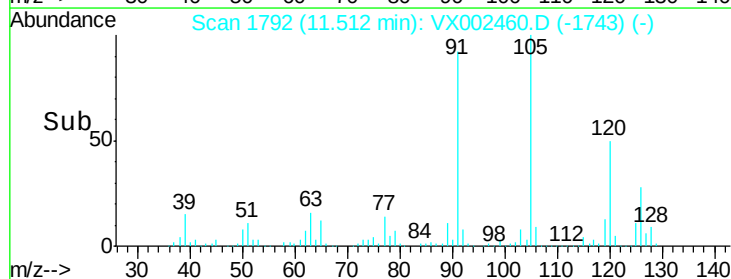
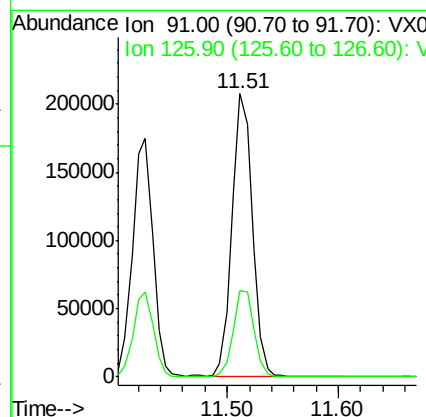
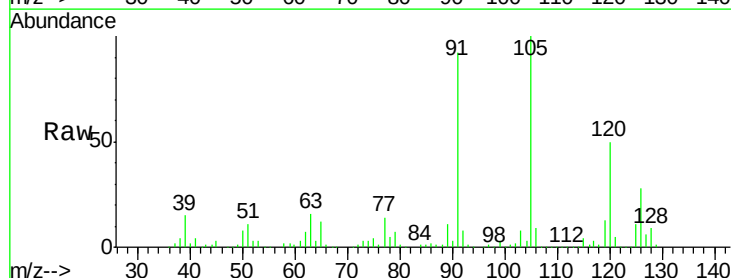
Manual Integrations
APPROVED

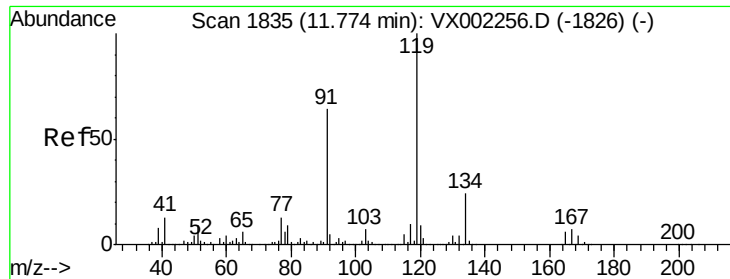
MMDadoda
6/13/2018 1:59:35 PM



#82
4-Chlorotoluene
Concen: 19.120 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





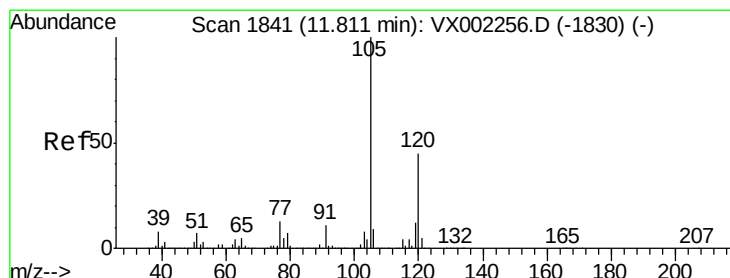
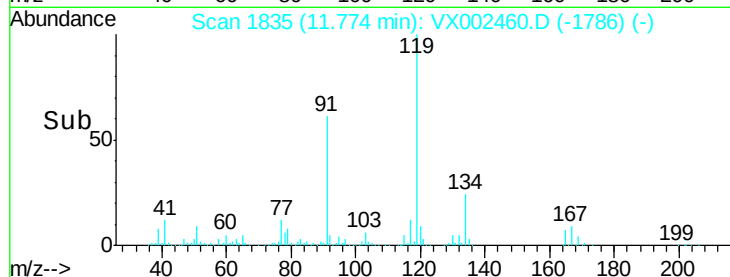
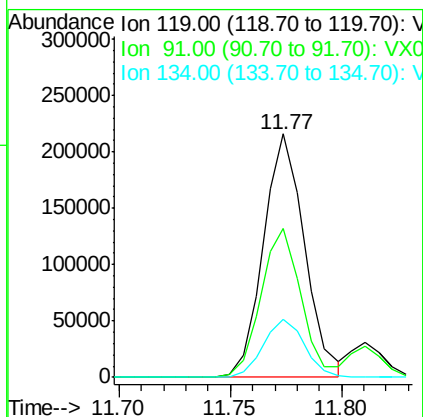
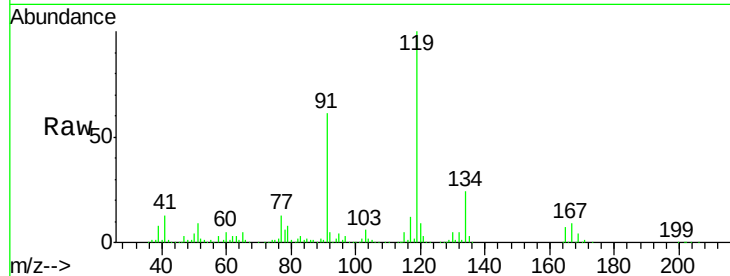
#83
 tert-Butylbenzene
 Concen: 19.460 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.3	90.9
134	23.7	11.7	35.1

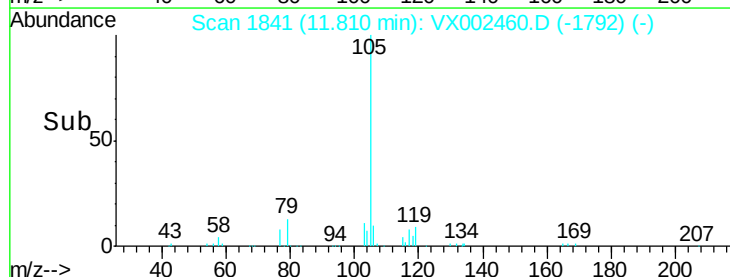
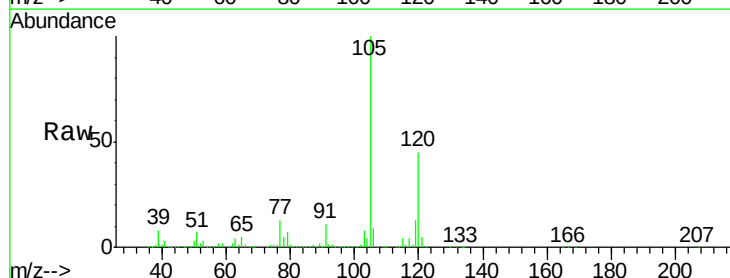
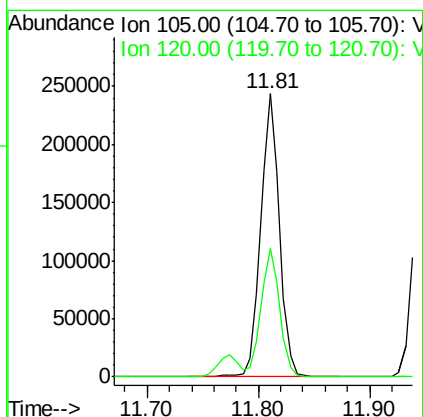
Manual Integrations
 APPROVED

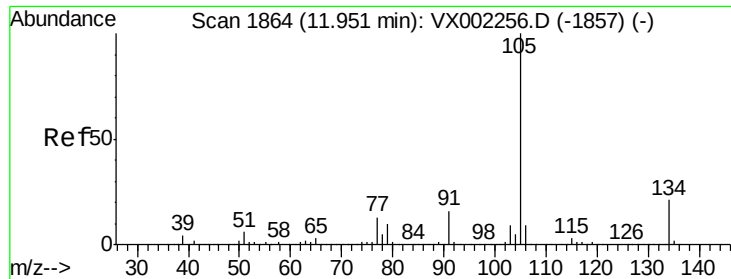
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 6/13/2018 1:59:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.046 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.677 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:105 Resp: 345299

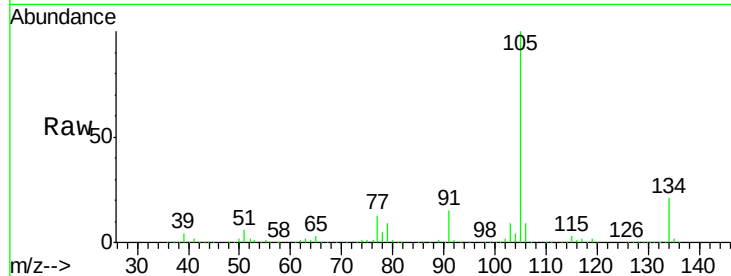
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1

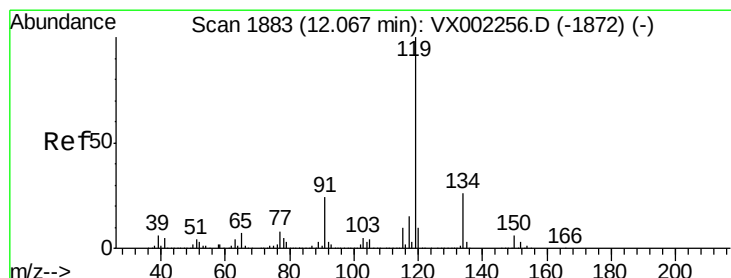
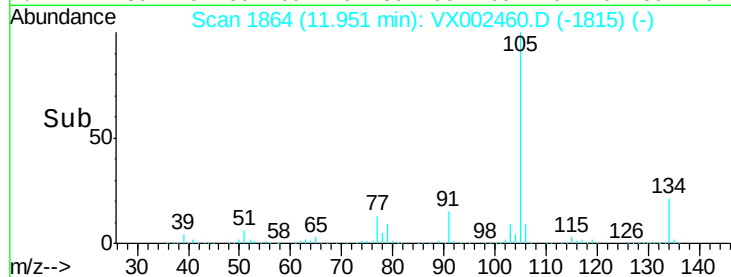
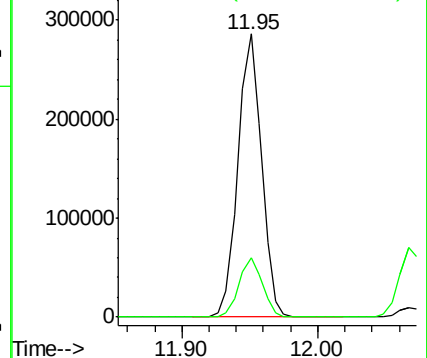
Manual Integrations
APPROVED

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6/13/2018 1:59:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.536 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

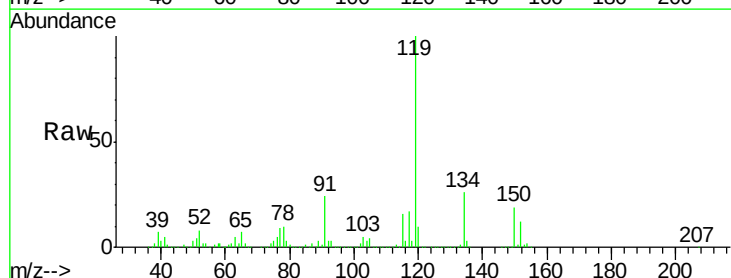
Tgt Ion:119 Resp: 312381

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

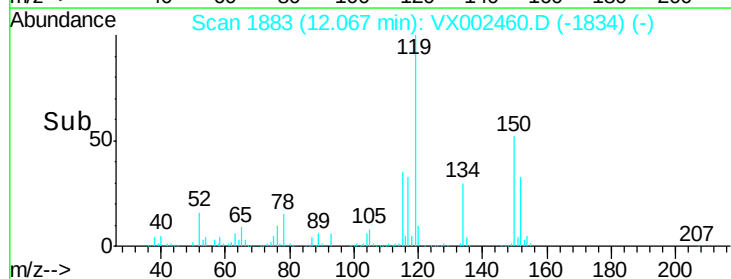
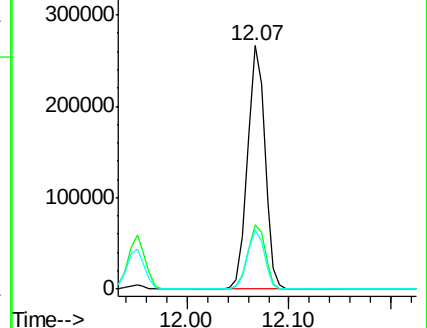
91 24.3 11.9 35.7

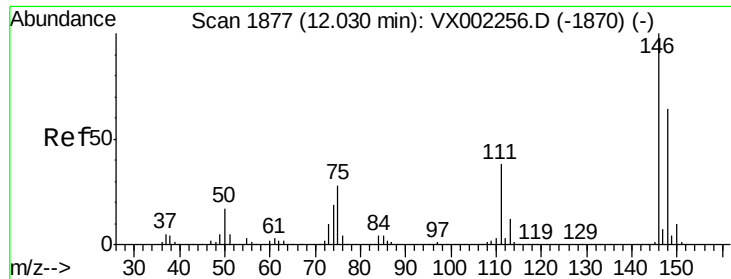


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





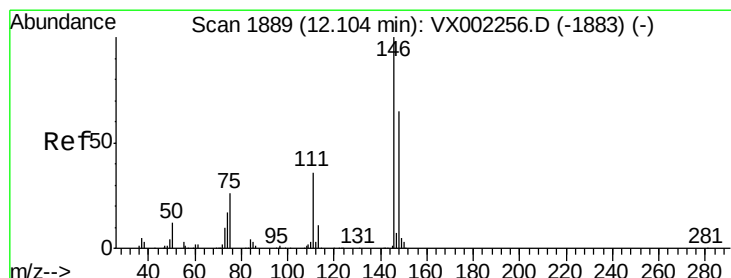
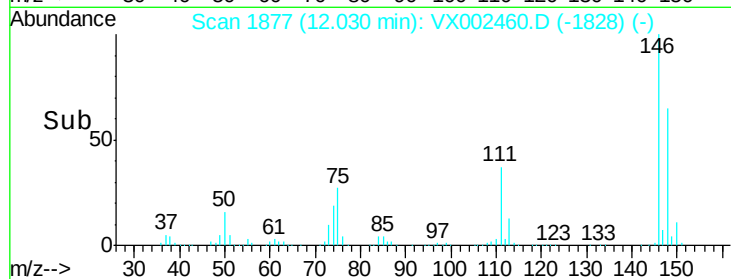
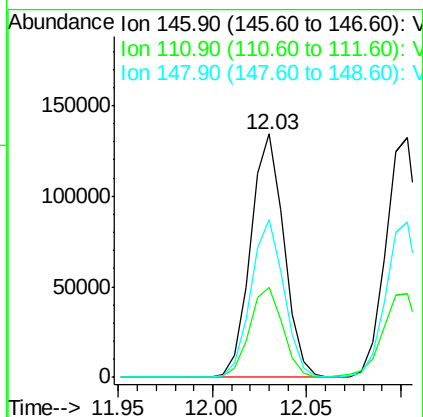
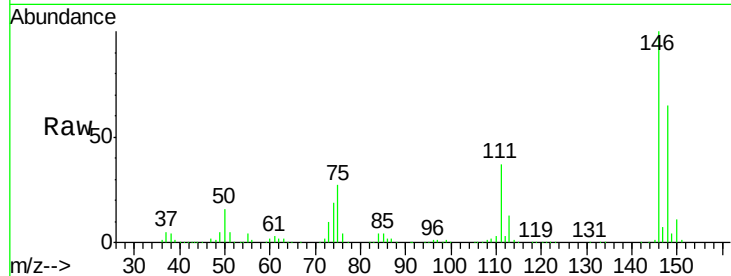
#87
 1,3-Dichlorobenzene
 Concen: 19.206 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.2	32.1	96.3

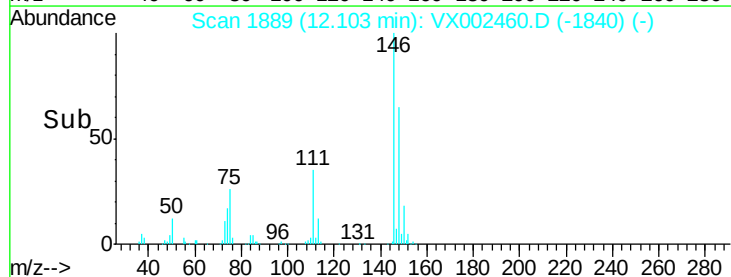
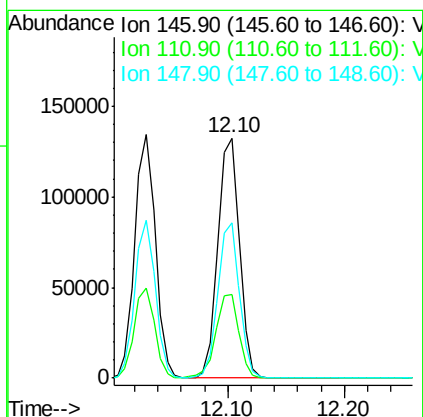
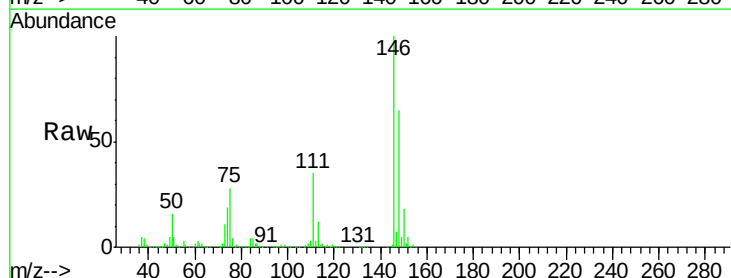
Manual Integrations
 APPROVED

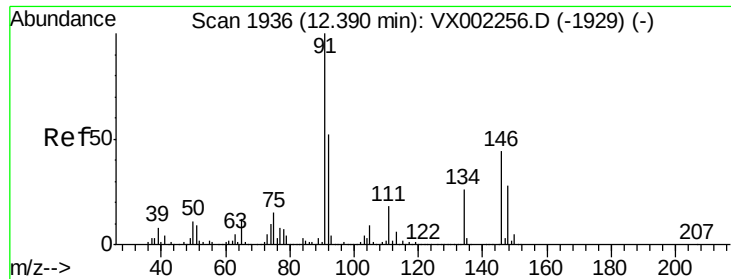
MMDadoda
 6/13/2018 1:59:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.156 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.4	32.4	97.0





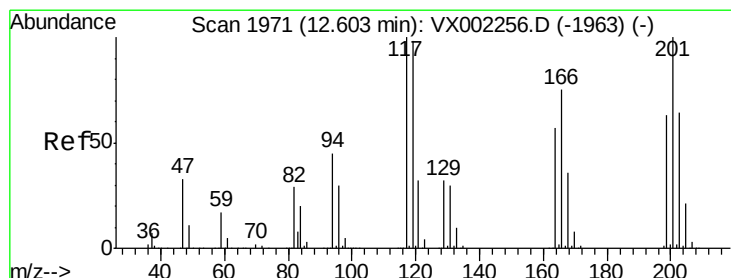
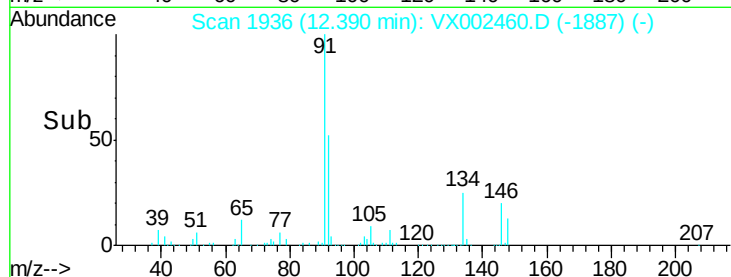
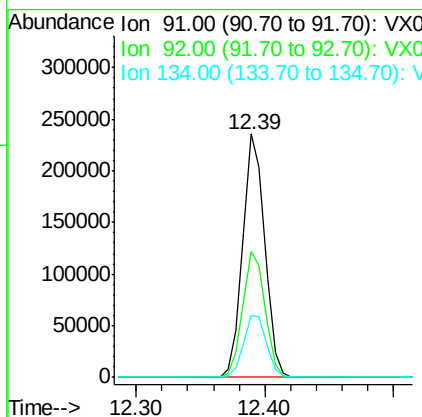
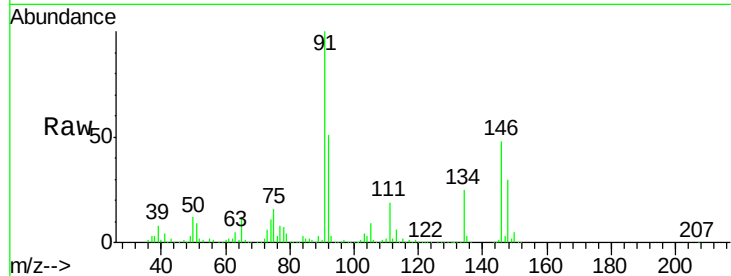
#89
n-Butylbenzene
Concen: 21.761 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.6	13.5	40.5

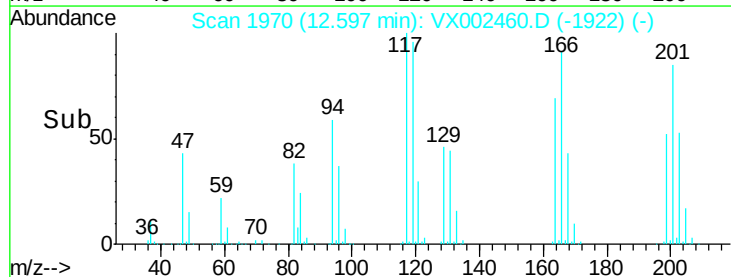
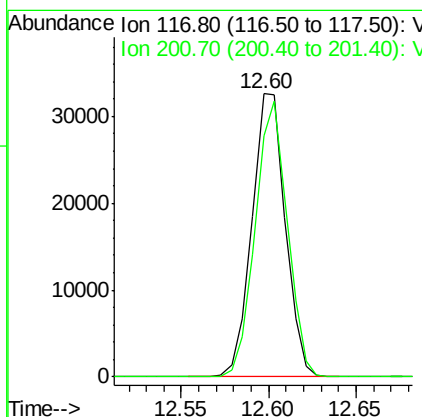
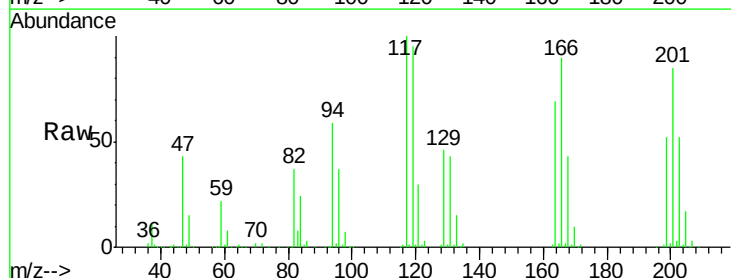
Manual Integrations
APPROVED

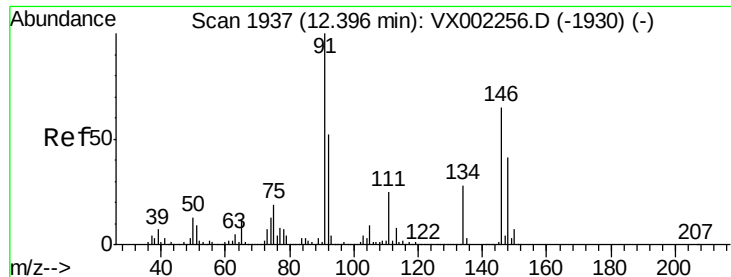
MMDadoda
6/13/2018 1:59:35 PM



#90
Hexachloroethane
Concen: 17.848 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002460.D
Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	49.0	147.0





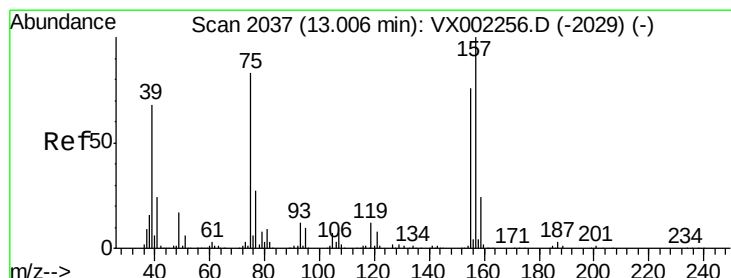
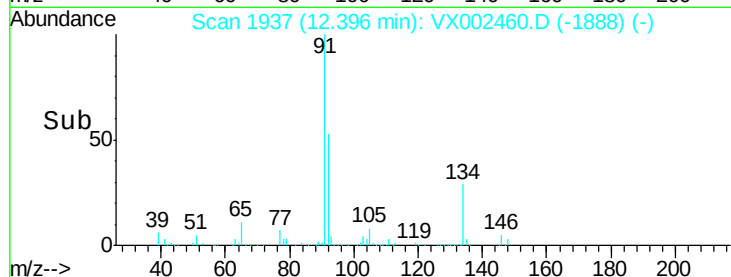
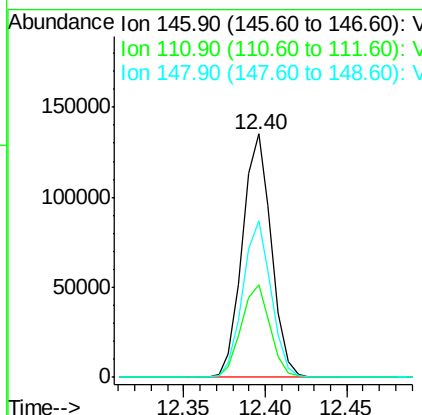
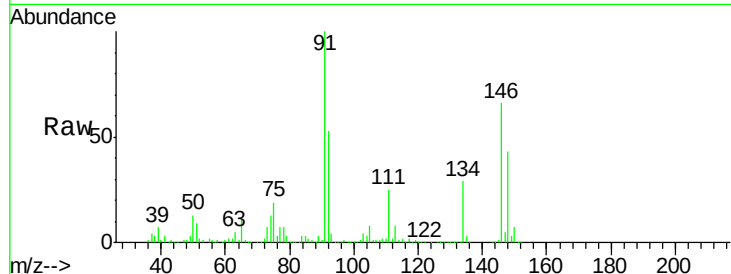
#91
 1,2-Dichlorobenzene
 Concen: 18.877 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.3	31.7	95.1

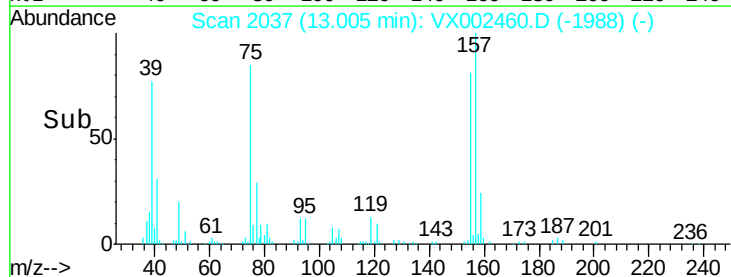
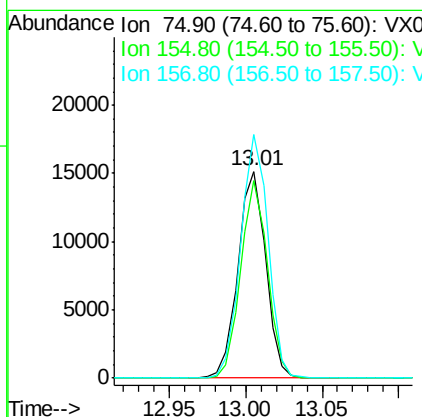
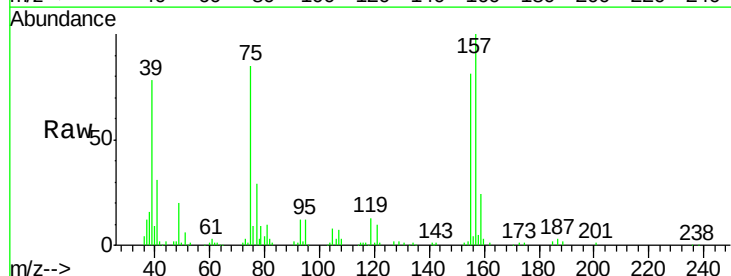
Manual Integrations
 APPROVED

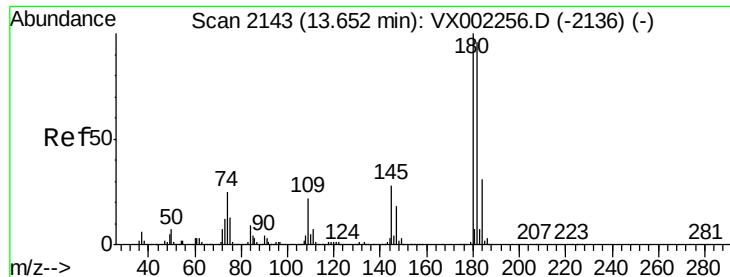
MMDadoda
 6/13/2018 1:59:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.310 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	45.8	137.4
157	115.2	60.1	180.3





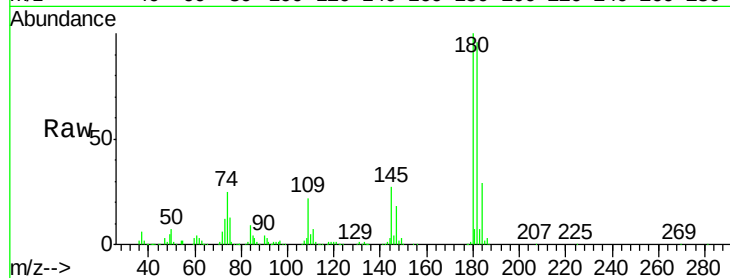
#93
 1,2,4-Trichlorobenzene
 Concen: 19.788 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0612WBS01

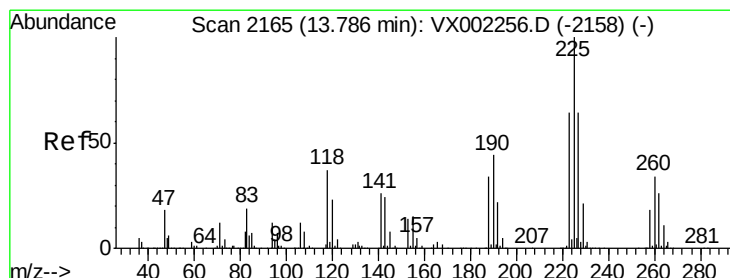
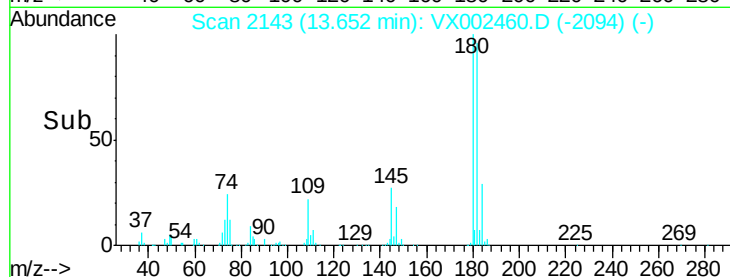
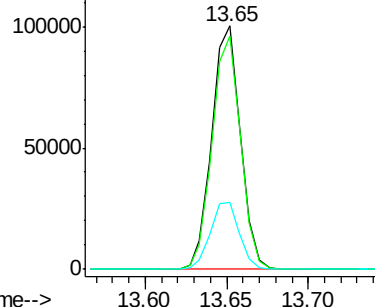
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122903		
182	95.3	47.7	143.1	
145	28.2	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 6/13/2018 1:59:35 PM

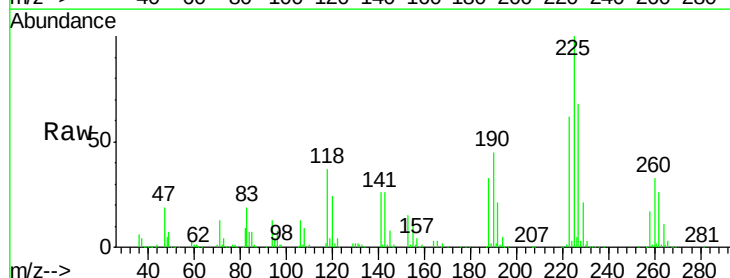


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

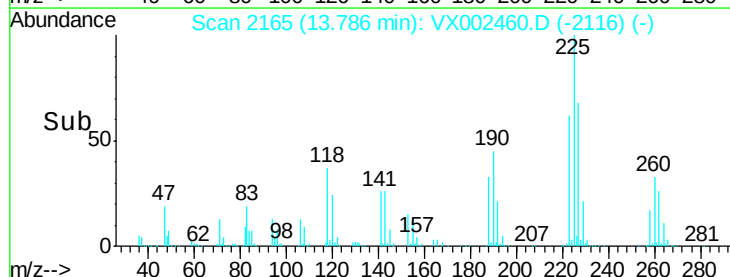
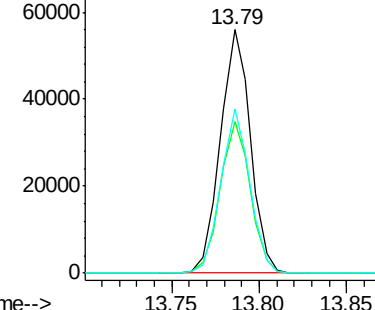


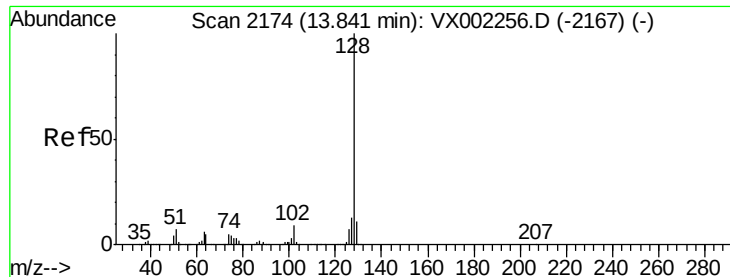
#94
 Hexachlorobutadiene
 Concen: 21.720 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002460.D
 Acq: 12 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66662		
223	62.3	31.6	95.0	
227	65.2	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: 18.420 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Instrument :

MSVOA_X

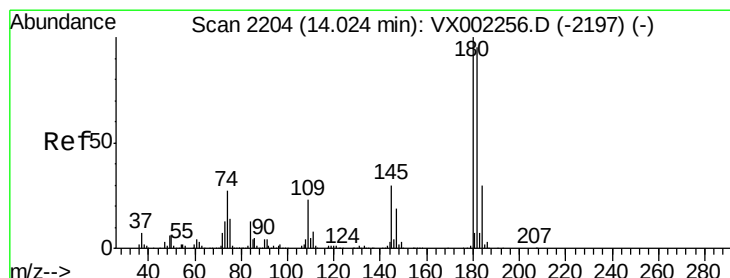
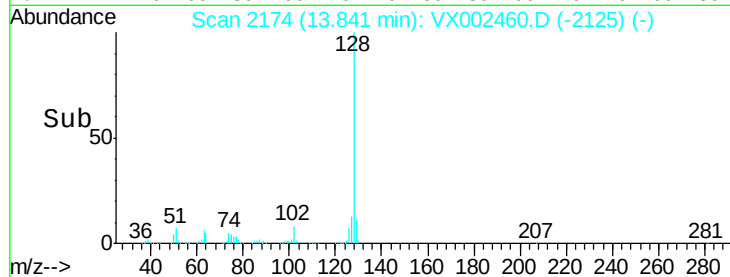
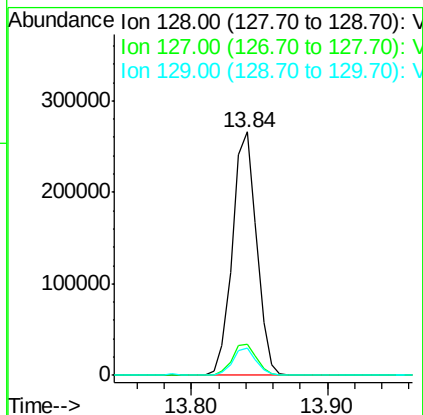
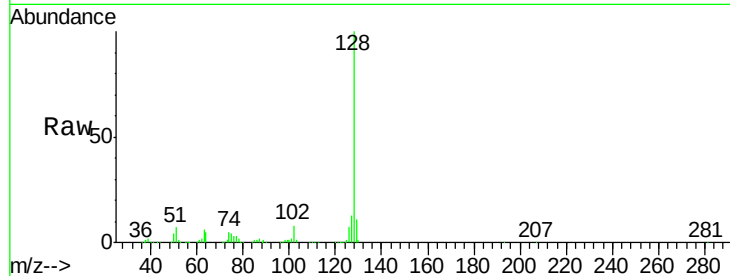
ClientSampleId :

VX0612WBS01

Tot Ion:	128	Resp:	328701
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/13/2018 1:59:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.611 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002460.D

Acq: 12 Jun 2018 12:16

Tgt Ion:	180	Resp:	124220
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.0
145	28.9	14.8	44.3

