

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002255.D
 Acq On : 04 Jun 2018 10:59
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:02 PM

Quant Time: Jun 05 02:15:05 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	240256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	92307	19.84	ug/l	0.00
Spiked Amount						
			Recovery	=	39.68%	
35) Dibromofluoromethane	5.51	113	70245	20.63	ug/l	0.00
Spiked Amount						
			Recovery	=	41.26%	
50) Toluene-d8	8.72	98	269927	20.69	ug/l	0.00
Spiked Amount						
			Recovery	=	41.38%	
62) 4-Bromofluorobenzene	11.14	95	98980	19.67	ug/l	0.00
Spiked Amount						
			Recovery	=	39.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69420	22.33	ug/l	99
3) Chloromethane	1.32	50	80688	19.72	ug/l	99
4) Vinyl Chloride	1.41	62	81127	20.70	ug/l	100
5) Bromomethane	1.64	94	50621	16.25	ug/l	99
6) Chloroethane	1.73	64	51197	20.20	ug/l	100
7) Trichlorofluoromethane	1.93	101	130038	21.78	ug/l	98
8) Diethyl Ether	2.19	74	46511	19.12	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71599	22.22	ug/l	99
10) Methyl Iodide	2.51	142	84721	18.69	ug/l	99
11) Tert butyl alcohol	3.07	59	97863	102.10	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64819	20.36	ug/l	97
13) Acrolein	2.30	56	44249	95.84	ug/l	96
14) Allyl chloride	2.73	41	134271	19.43	ug/l	99
15) Acrylonitrile	3.15	53	195346	95.76	ug/l	99
16) Acetone	2.45	43	220245	102.97	ug/l	100
17) Carbon Disulfide	2.57	76	163124	19.44	ug/l	98
18) Methyl Acetate	2.78	43	92682	18.37	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	239773	19.01	ug/l	99
20) Methylene Chloride	2.86	84	73322	17.25	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	69164	19.70	ug/l	99
22) Diisopropyl ether	3.88	45	238441	18.49	ug/l	100
23) Vinyl Acetate	3.83	43	1032494	92.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	135515	19.84	ug/l	98
25) 2-Butanone	4.71	43	288719	98.45	ug/l	99
26) 2,2-Dichloropropane	4.59	77	105415	19.75	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	72141	18.89	ug/l	92
28) Bromochloromethane	5.03	49	65903	19.93	ug/l	97
29) Tetrahydrofuran	5.17	42	178734	94.53	ug/l	99
30) Chloroform	5.22	83	125418	19.03	ug/l	96
31) Cyclohexane	5.58	56	114343	21.17	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	112061	20.05	ug/l	99
36) 1,1-Dichloropropene	5.81	75	92819	20.40	ug/l	99
37) Ethyl Acetate	4.87	43	108625	19.85	ug/l	99
38) Carbon Tetrachloride	5.79	117	100193	21.05	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117770	22.71	ug/l	99
40) Benzene	6.15	78	280091	20.07	ug/l	100
41) Methacrylonitrile	5.07	41	60584	19.34	ug/l	99
42) 1,2-Dichloroethane	6.20	62	110198	19.88	ug/l	99
43) Isopropyl Acetate	6.47	43	180662	19.44	ug/l	99
44) Trichloroethene	7.22	130	79651	20.57	ug/l	99
45) 1,2-Dichloropropane	7.52	63	74339	19.73	ug/l	96
46) Dibromomethane	7.67	93	48255	18.90	ug/l	98
47) Bromodichloromethane	7.90	83	89362	19.35	ug/l	99
48) Methyl methacrylate	7.78	41	91209	19.53	ug/l	100
49) 1,4-Dioxane	7.76	88	34605	396.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	575215	99.37	ug/l	100
52) Toluene	8.79	92	180305	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	109374	19.75	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	100641	19.26	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71363	19.55	ug/l	98
56) Ethyl methacrylate	9.18	69	112387	19.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	120578	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	267729	99.26	ug/l	99
59) 2-Hexanone	9.50	43	450314	100.71	ug/l	100
60) Dibromochloromethane	9.59	129	70108	19.10	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73981	19.44	ug/l	99
64) Tetrachloroethene	9.34	164	89056	21.42	ug/l	99
65) Chlorobenzene	10.14	112	201923	20.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	72695	20.01	ug/l	99
67) Ethyl Benzene	10.26	91	350245	20.86	ug/l	99
68) m/p-Xylenes	10.37	106	267130	40.93	ug/l	100
69) o-Xylene	10.70	106	132454	20.40	ug/l	99
70) Styrene	10.72	104	212224	19.99	ug/l	99
71) Bromoform	10.86	173	53136	18.45	ug/l	99
73) Isopropylbenzene	11.02	105	359755	21.53	ug/l	100
74) N-amyl acetate	6.47	43	180662	20.06	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	101586	19.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	105494m	21.89	ug/l	
77) Bromobenzene	11.26	156	94463	20.13	ug/l	99
78) n-propylbenzene	11.37	91	405025	21.80	ug/l	100
79) 2-Chlorotoluene	11.43	91	241233	20.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	298903	20.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	28851	19.18	ug/l	92
82) 4-Chlorotoluene	11.51	91	281931	20.82	ug/l	100
83) tert-Butylbenzene	11.77	119	294043	21.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	306334	20.76	ug/l	100
85) sec-Butylbenzene	11.95	105	363159	22.19	ug/l	100
86) p-Isopropyltoluene	12.07	119	325645	21.85	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	168918	20.13	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	171390	19.82	ug/l	99
89) n-Butylbenzene	12.39	91	272420	21.79	ug/l	99
90) Hexachloroethane	12.60	117	48051	20.19	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	174588	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23010	20.02	ug/l	97

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VSTDICC020

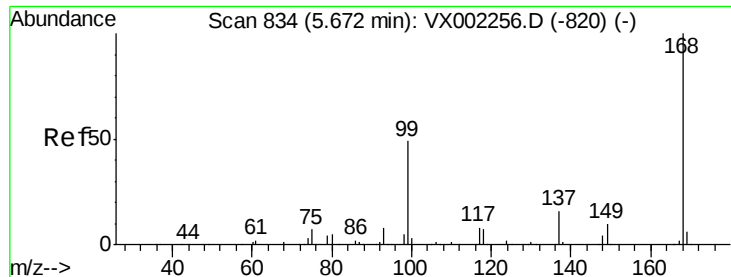
Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:02 PM

Quant Time: Jun 05 02:15:05 2018
Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123525	20.29	ug/l	99
94) Hexachlorobutadiene	13.79	225	66448	22.09	ug/l	100
95) Naphthalene	13.84	128	355544	20.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126916	20.45	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 299102

Ion Ratio Lower Upper

168 100

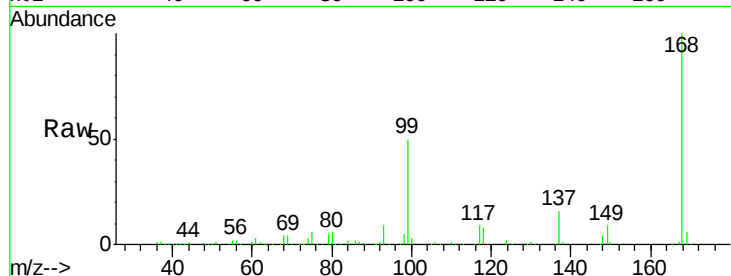
99 49.8 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

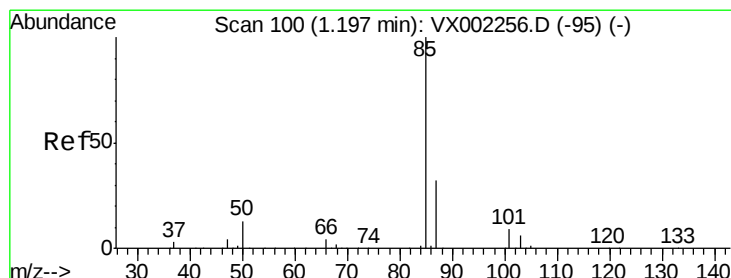
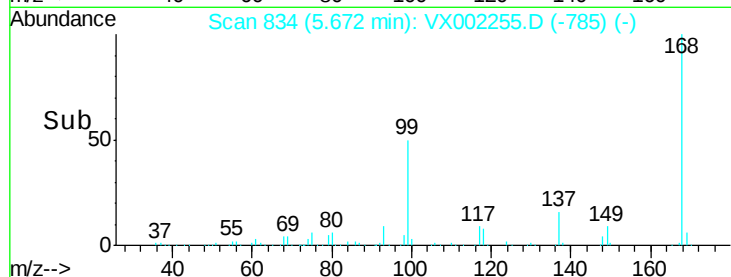
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.33 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002255.D

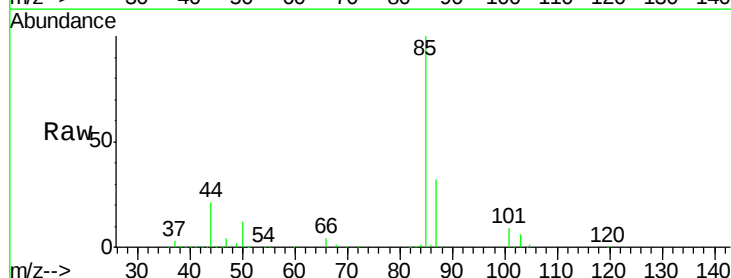
Acq: 04 Jun 2018 10:59

Tgt Ion: 85 Resp: 69420

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

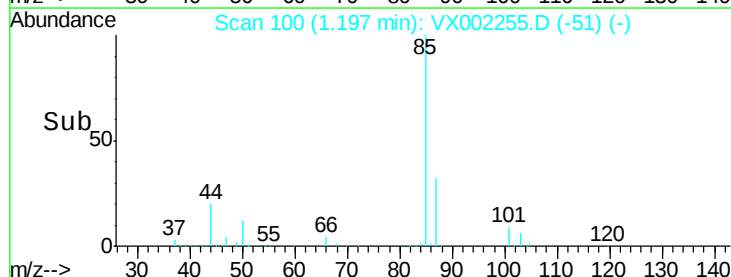
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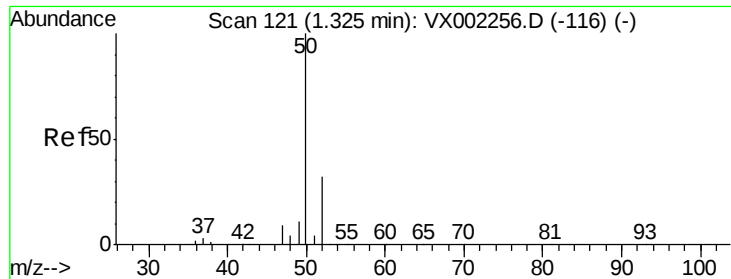
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20000

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Time-->





#3

Chloromethane

Concen: 19.72 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 80688

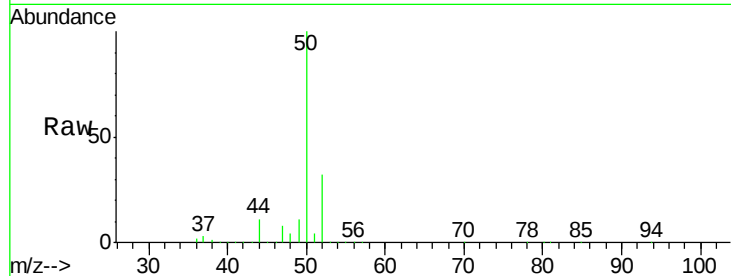
Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5

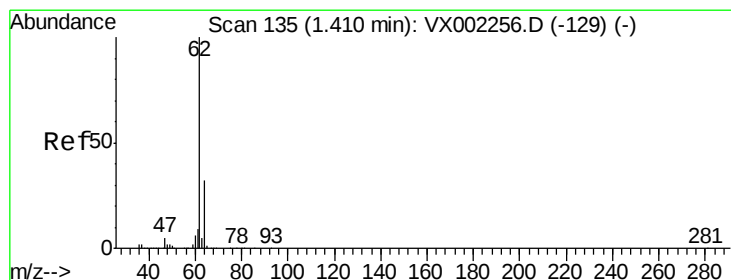
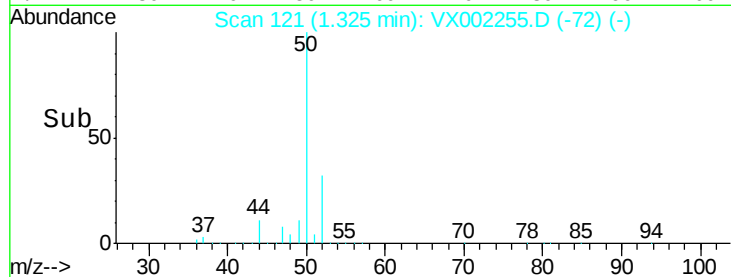
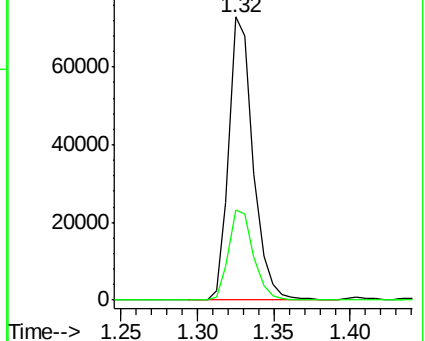
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.70 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002255.D

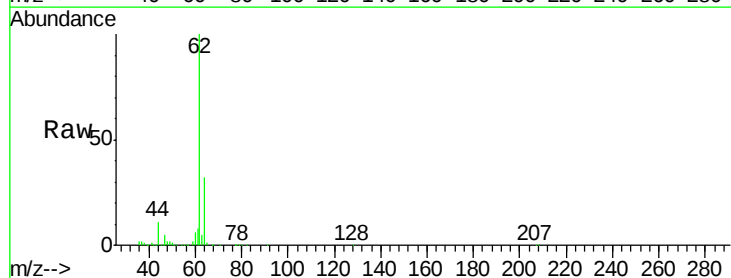
Acq: 04 Jun 2018 10:59

Tgt Ion: 62 Resp: 81127

Ion Ratio Lower Upper

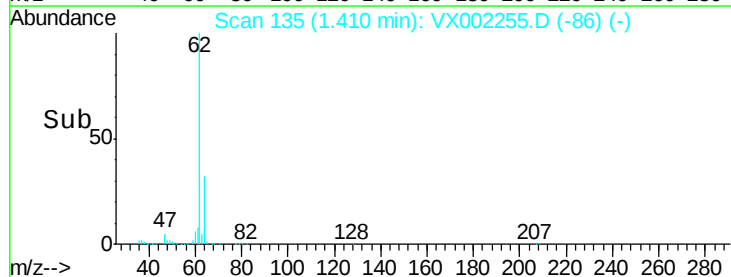
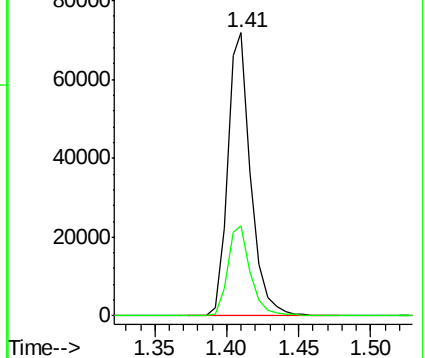
62 100

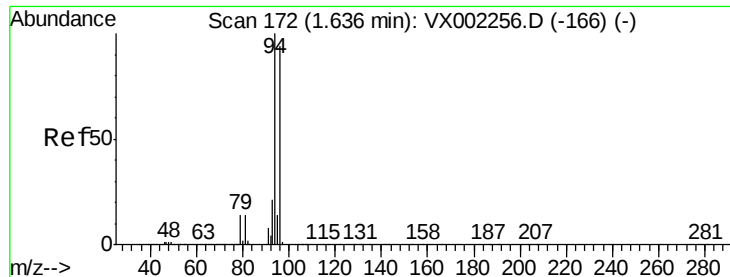
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.25 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 50621

Ion Ratio Lower Upper

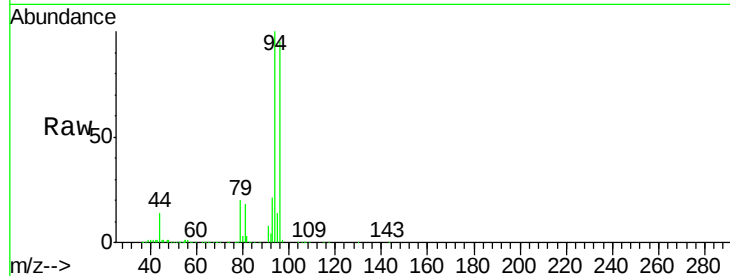
94 100

96 94.9 74.9 112.3

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

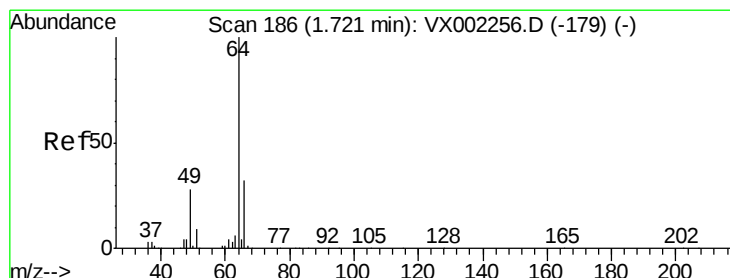
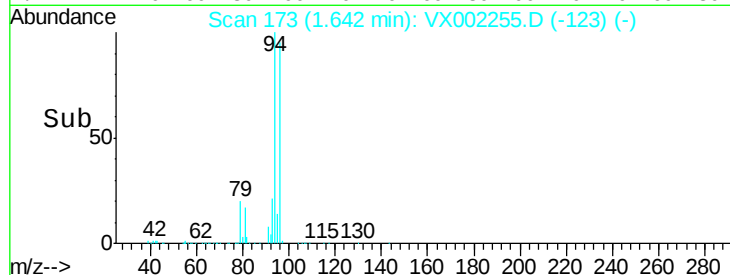
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.20 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002255.D

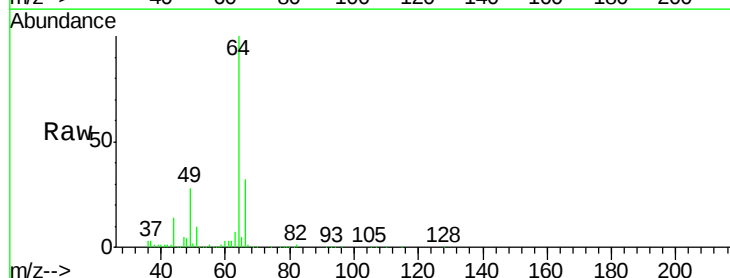
Acq: 04 Jun 2018 10:59

Tgt Ion: 64 Resp: 51197

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

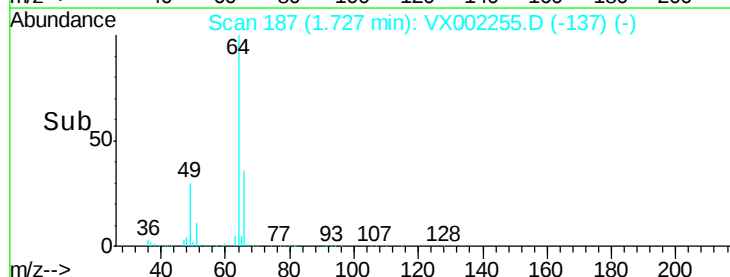
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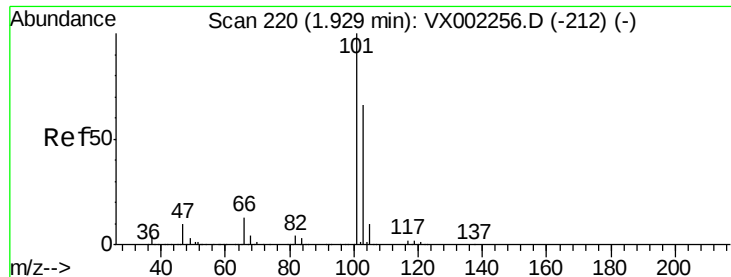
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0

Time-->





#7

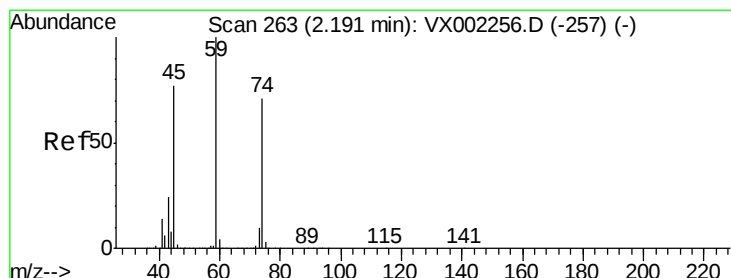
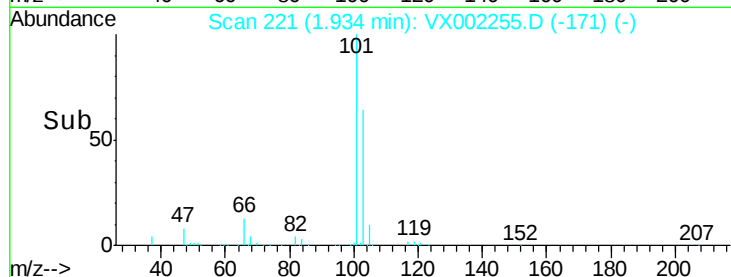
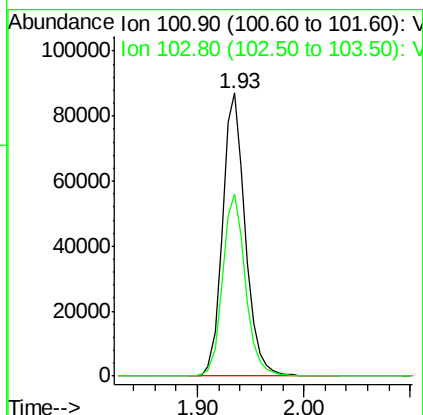
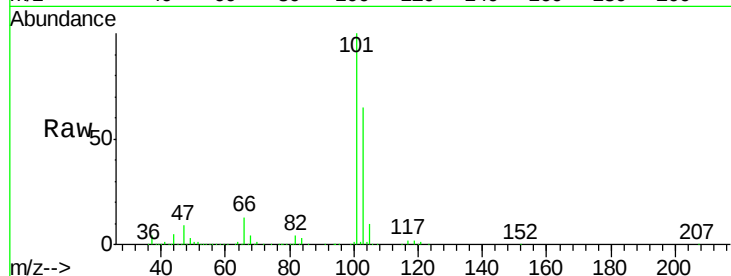
Trichlorofluoromethane
Concen: 21.78 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

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VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	130038		
103	64.5	52.8	79.2	

Manual Integrations
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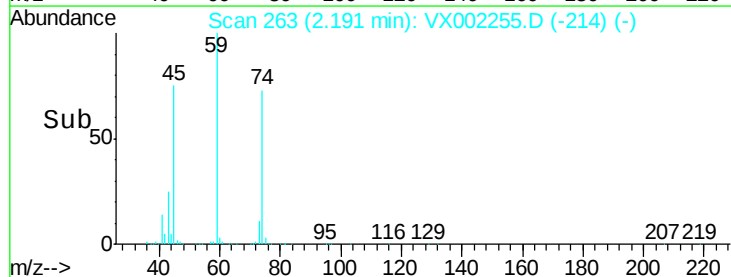
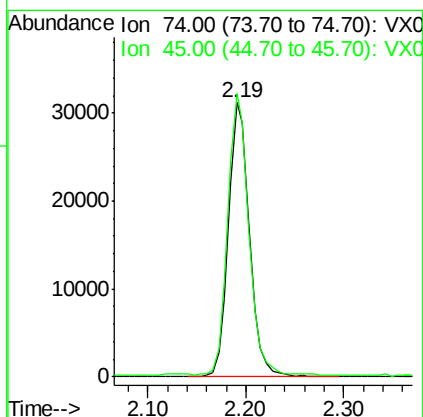
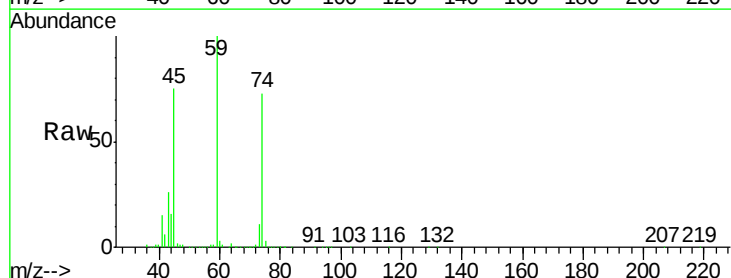
MMDadoda
6/5/2018 5:56:02 PM

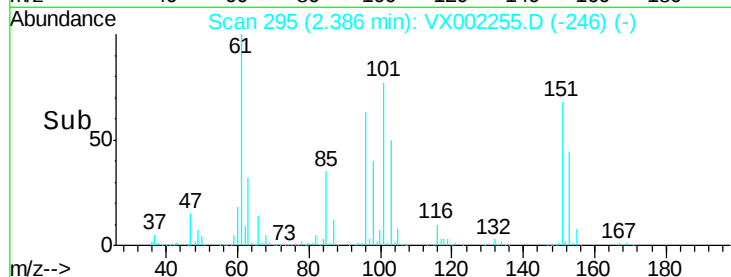
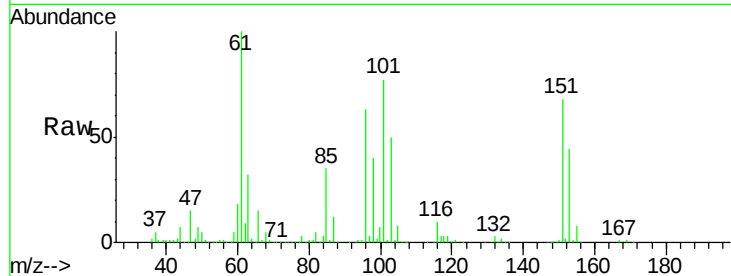
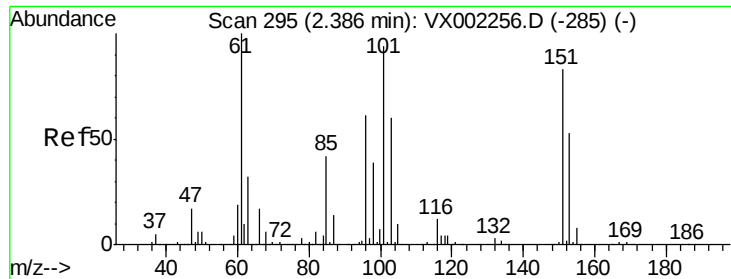


#8

Diethyl Ether
Concen: 19.12 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46511		
45	102.2	53.1	159.4	





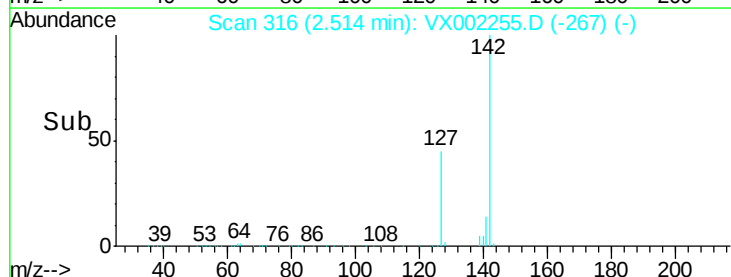
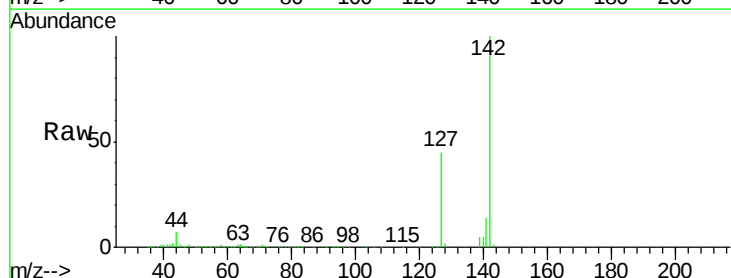
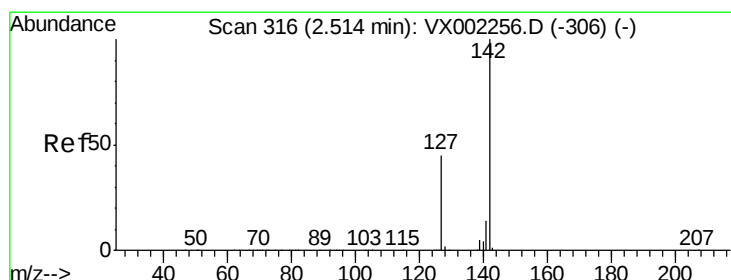
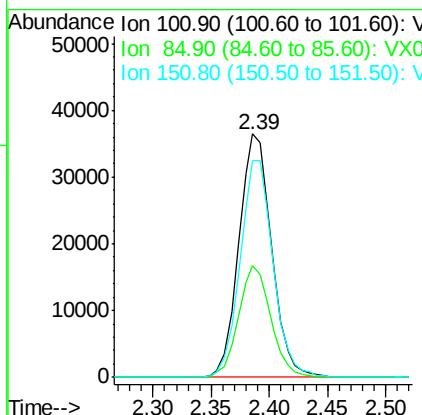
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.22 ug/l
RT: 2.39 min Scan# 295
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.0	54.0
151	89.8	70.9	106.3

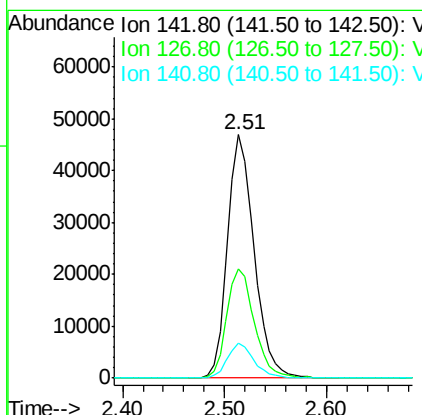
Manual Integrations
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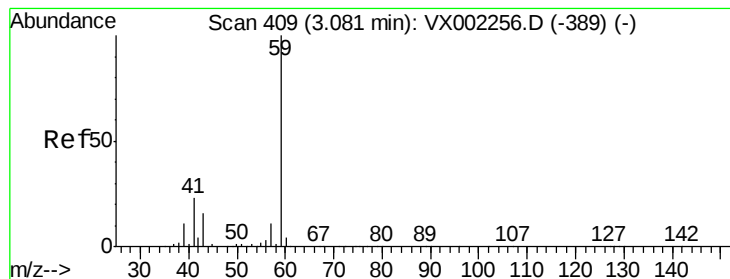
MMDadoda
6/5/2018 5:56:02 PM



#10
Methyl Iodide
Concen: 18.69 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.5	36.6	55.0
141	14.5	11.3	16.9





#11

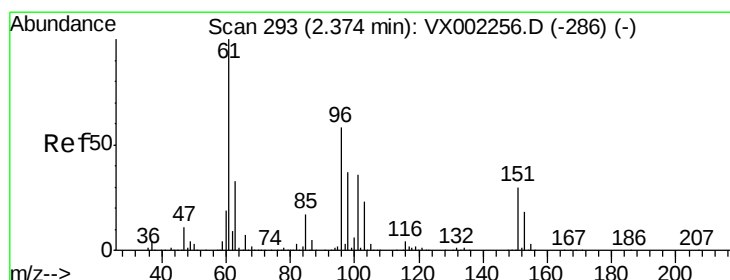
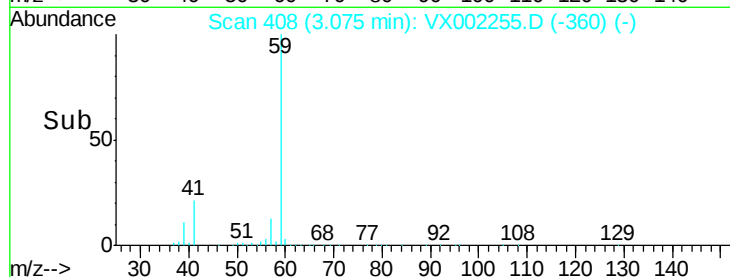
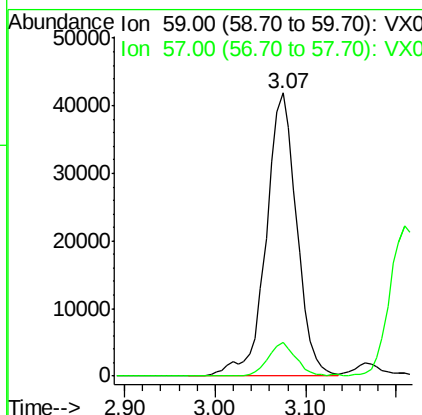
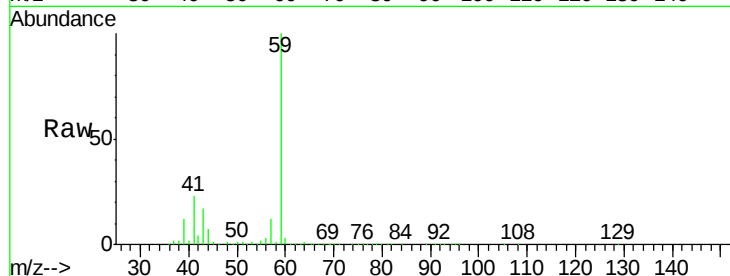
Tert butyl alcohol
Concen: 102.10 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	10.3	8.2	12.2	

Manual Integrations
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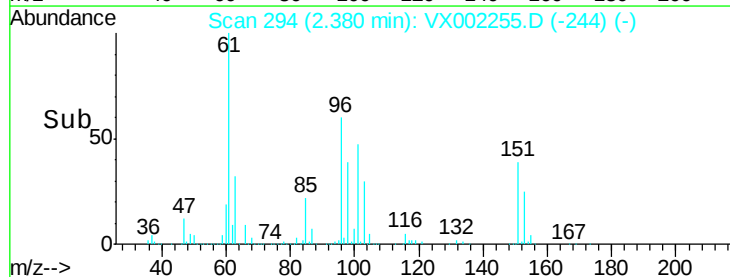
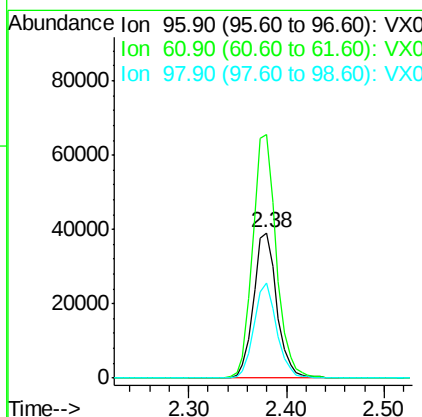
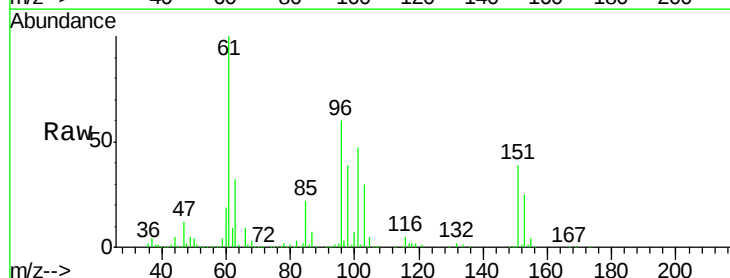
MMDadoda
6/5/2018 5:56:02 PM

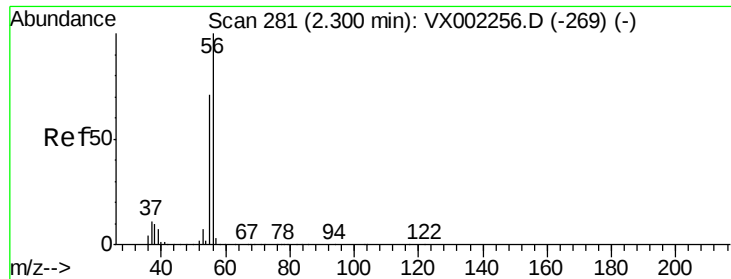


#12

1,1-Dichloroethene
Concen: 20.36 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	167.2	137.9	206.9	
98	65.0	51.6	77.4	





#13

Acrolein

Concen: 95.84 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 44249

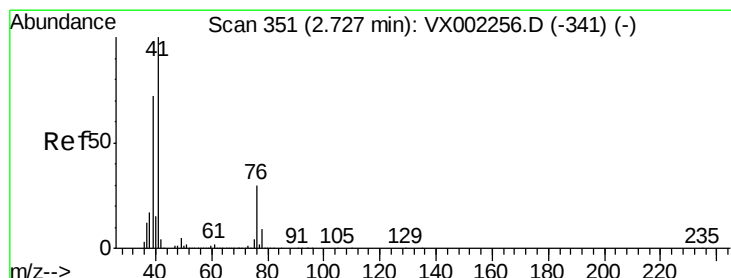
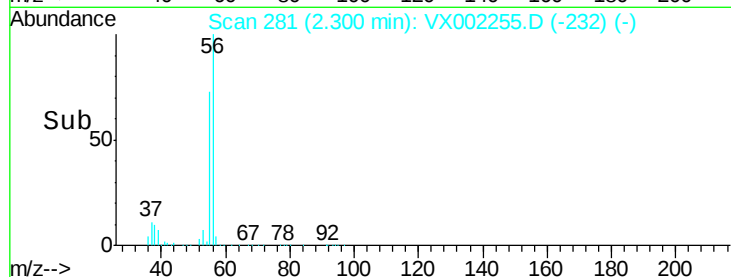
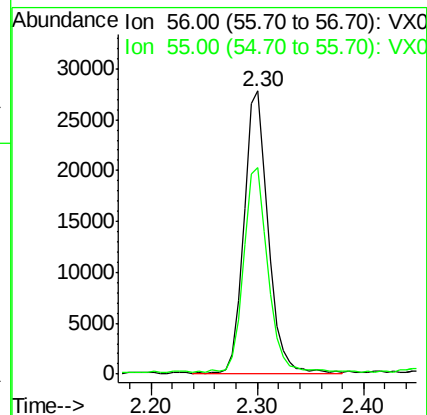
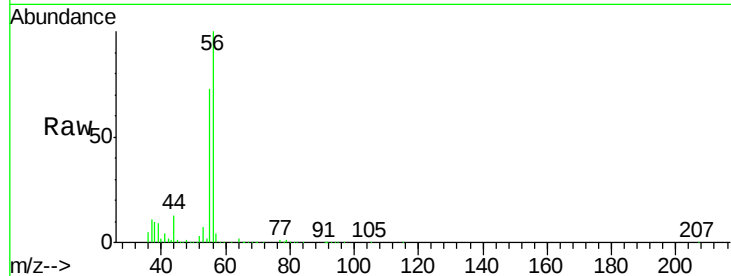
Ion Ratio Lower Upper

56 100

55 74.2 57.0 85.4

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#14

Allyl chloride

Concen: 19.43 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

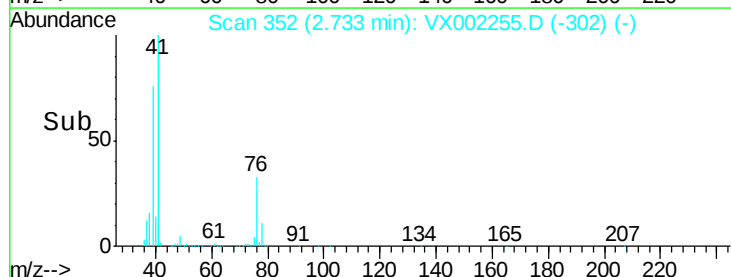
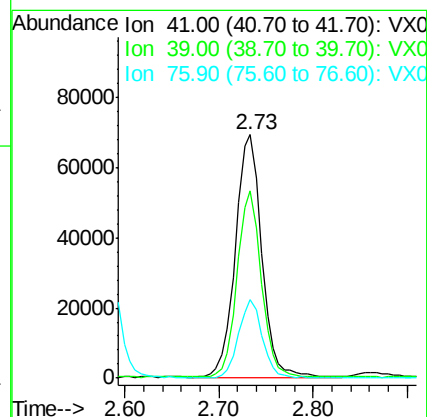
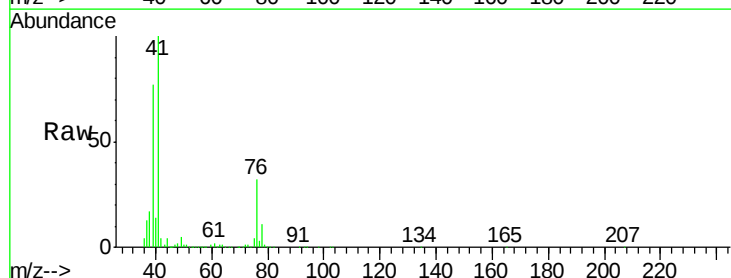
Tgt Ion: 41 Resp: 134271

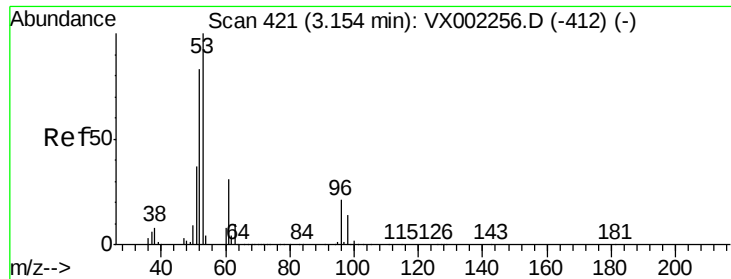
Ion Ratio Lower Upper

41 100

39 70.6 56.8 85.2

76 29.2 23.8 35.8





#15

Acrylonitrile

Concen: 95.76 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

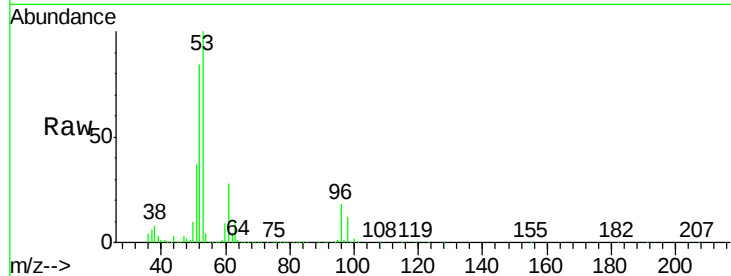
ClientSampled :

VSTDIC020

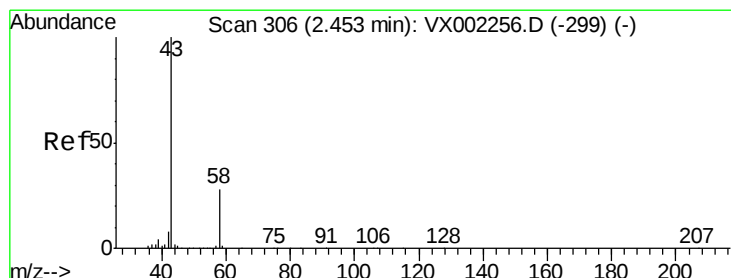
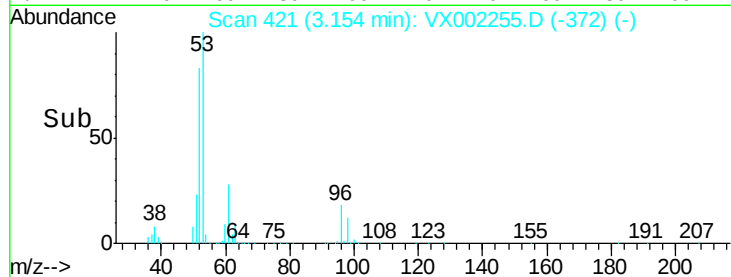
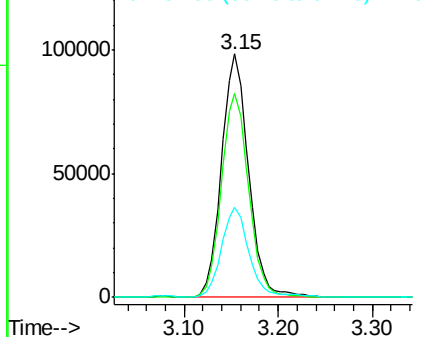
Tot Ion:	53	Resp:	195346
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	37.6	29.9	44.9

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 102.97 ug/l

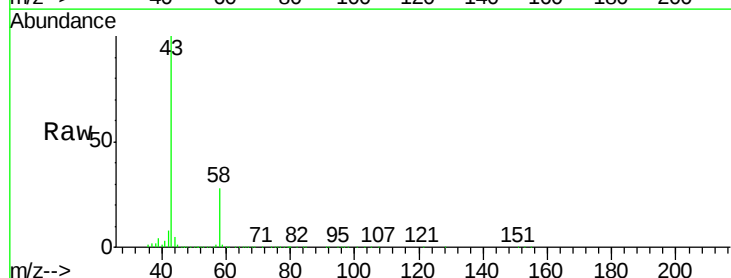
RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

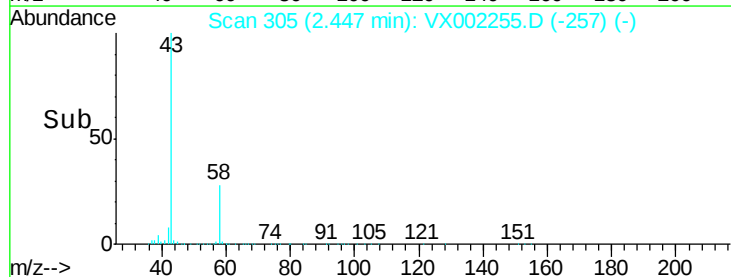
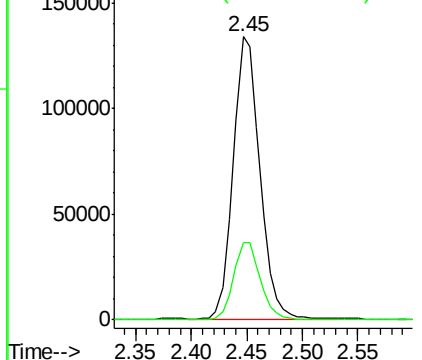
Lab File: VX002255.D

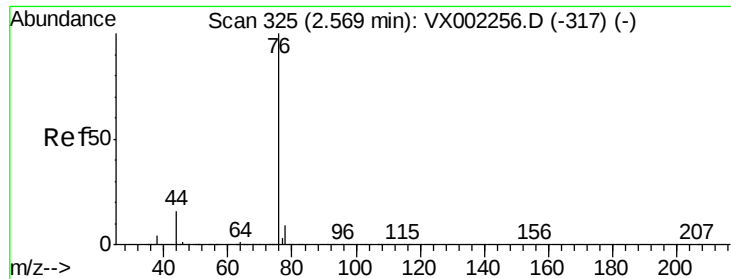
Acq: 04 Jun 2018 10:59

Tgt Ion:	43	Resp:	220245
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.1	33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





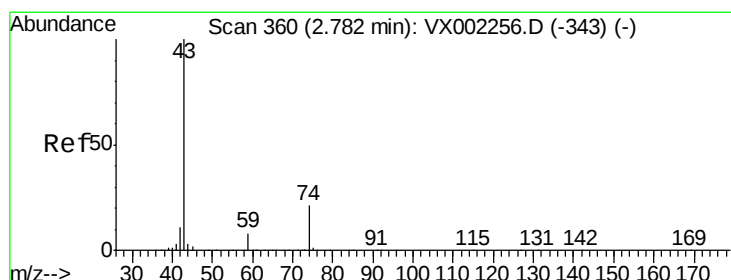
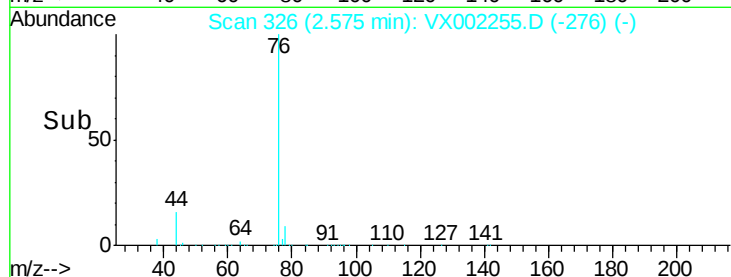
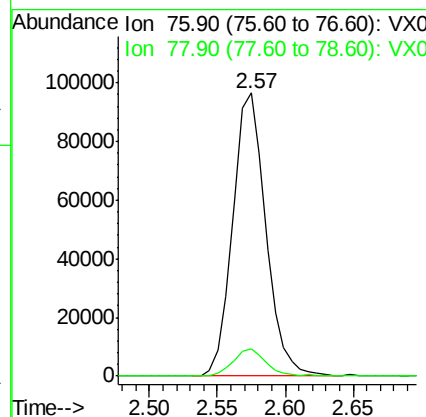
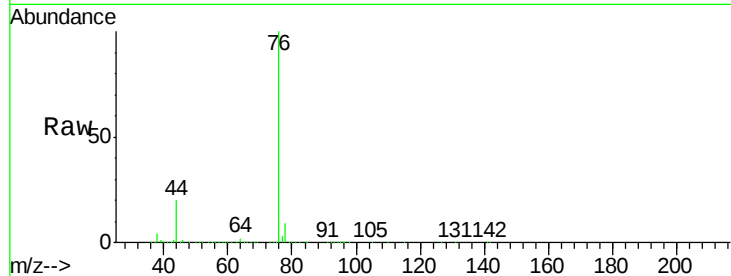
#17
Carbon Disulfide
Concen: 19.44 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

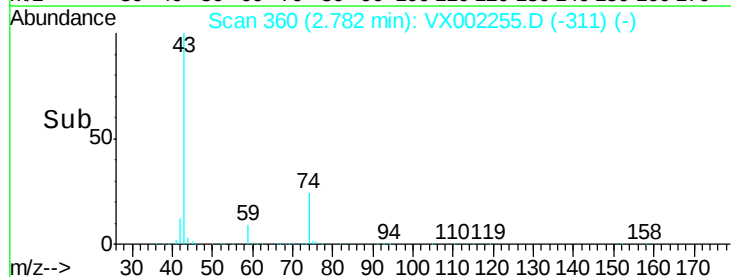
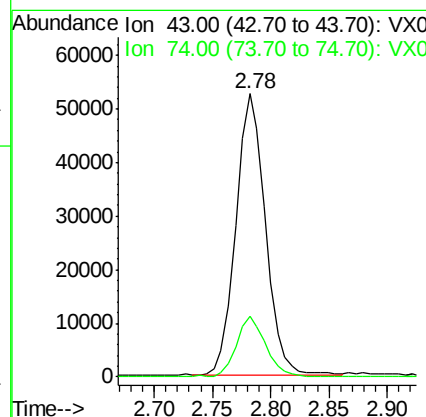
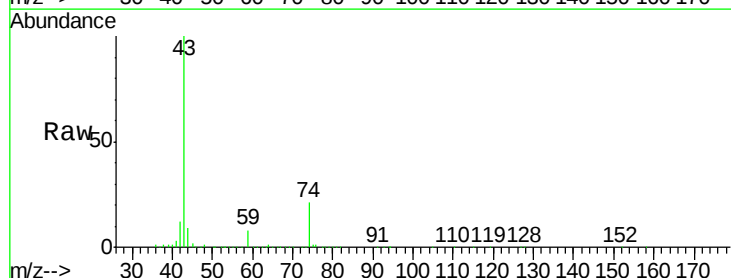
Manual Integrations
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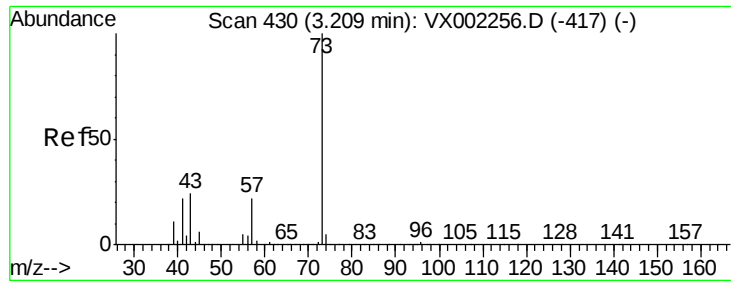
MMDadoda
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#18
Methyl Acetate
Concen: 18.37 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1





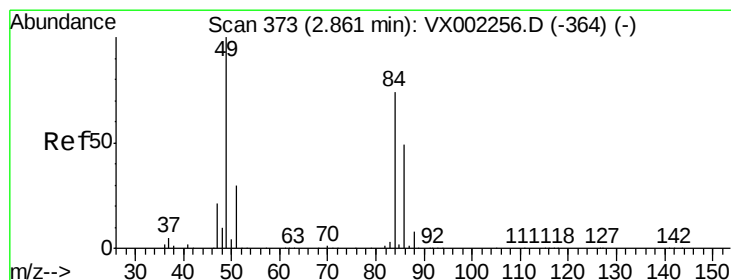
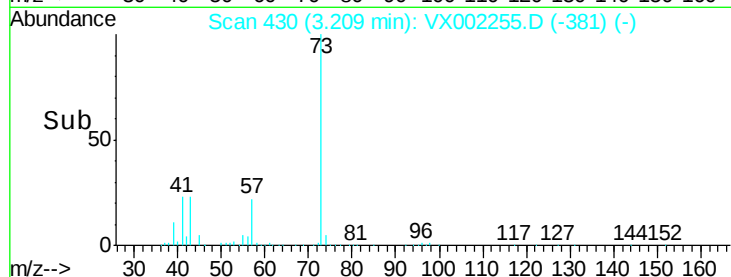
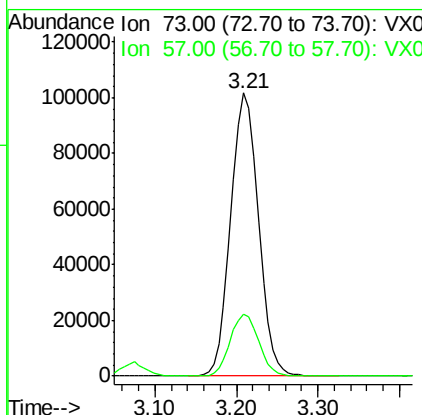
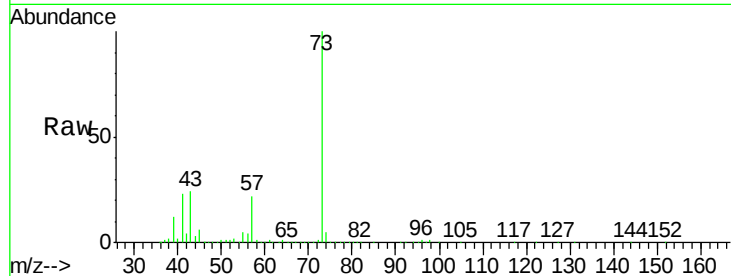
#19
Methyl tert-butyl Ether
Concen: 19.01 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5

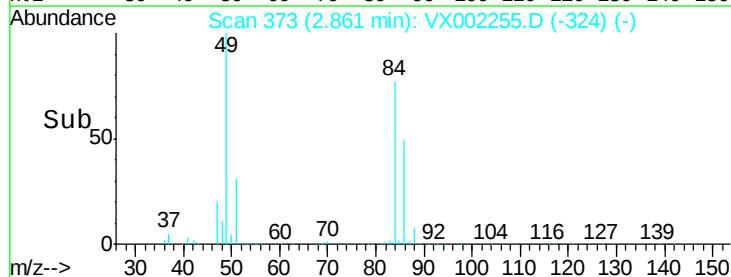
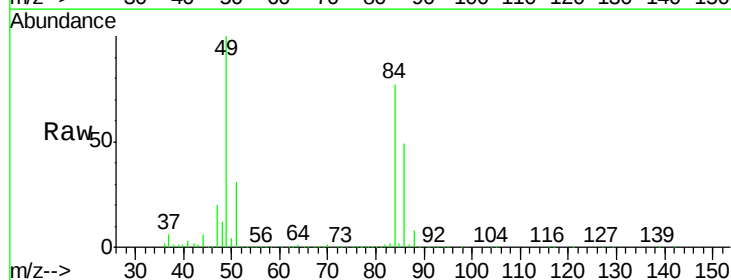
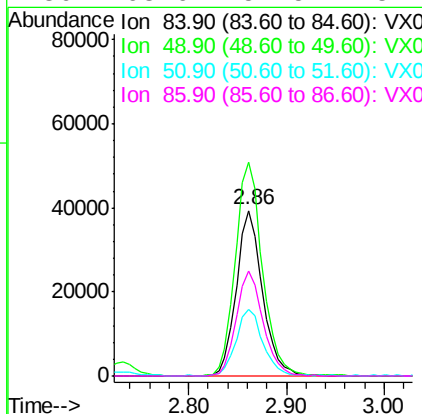
Manual Integrations
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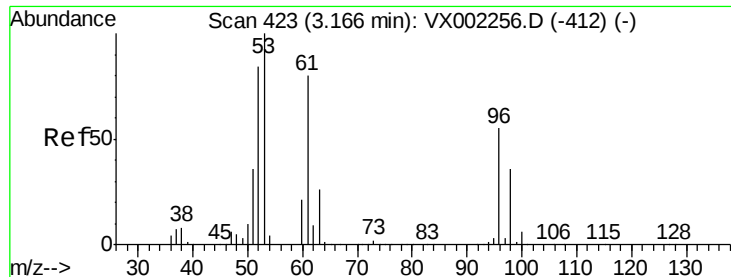
MMDadoda
6/5/2018 5:56:02 PM



#20
Methylene Chloride
Concen: 17.25 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	107.8	161.6
51	40.0	32.8	49.2
86	63.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 69164

Ion Ratio Lower Upper

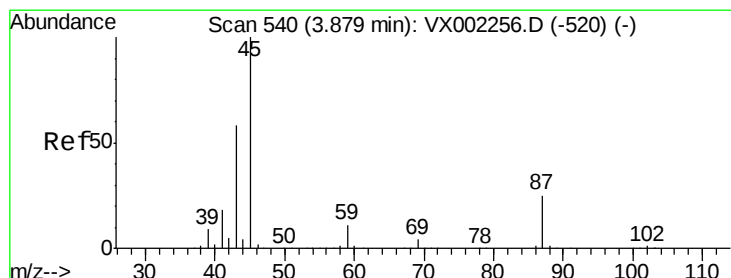
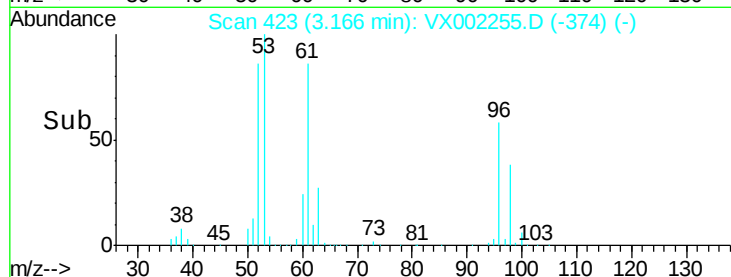
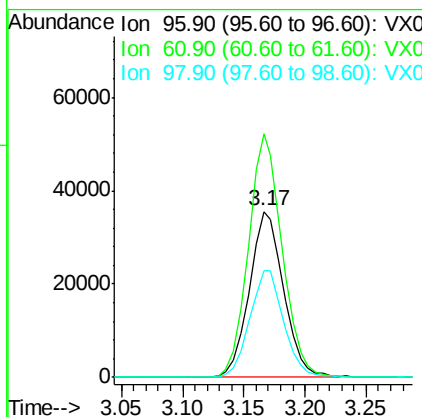
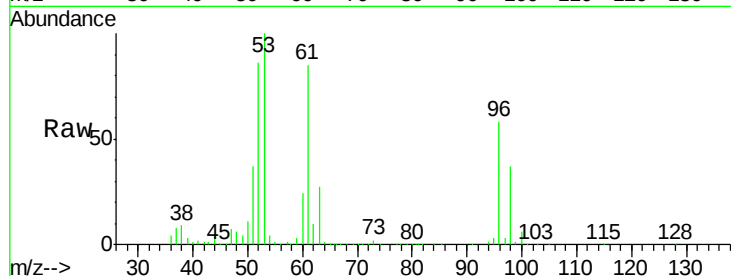
96 100

61 146.3 117.0 175.4

98 64.3 52.4 78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.49 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion: 45 Resp: 238441

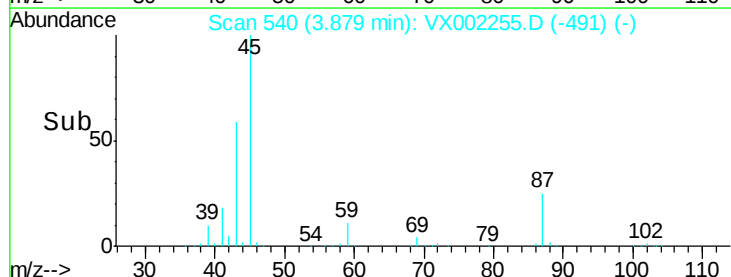
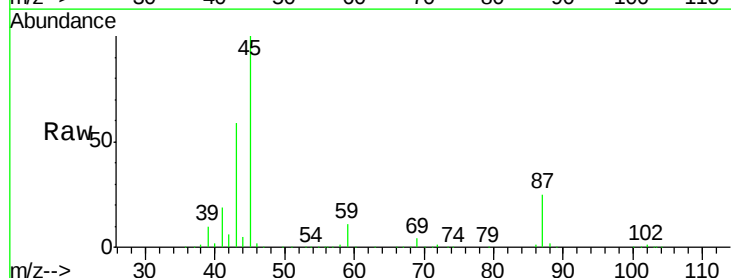
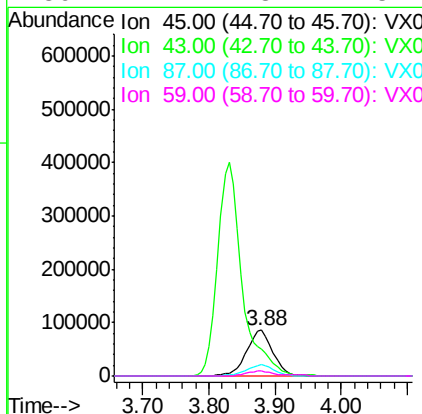
Ion Ratio Lower Upper

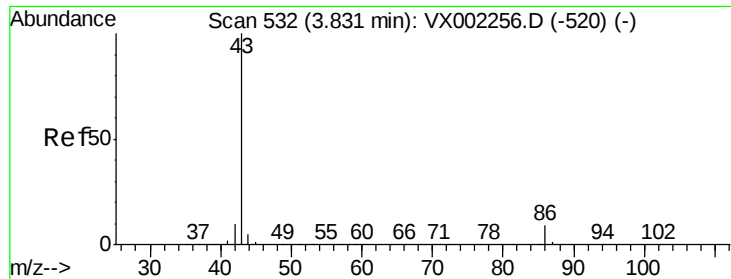
45 100

43 58.6 46.8 70.2

87 25.3 20.2 30.4

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 92.17 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1032494

Ion Ratio Lower Upper

43 100

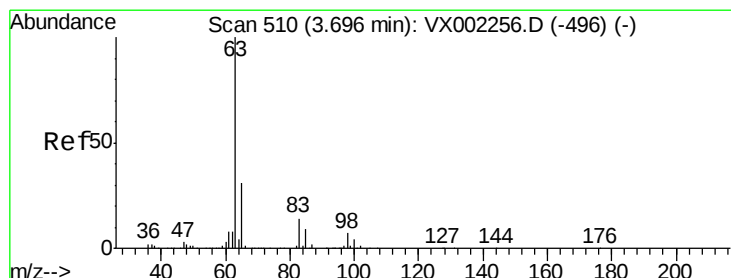
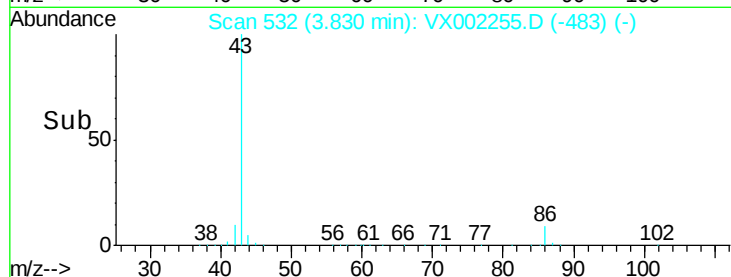
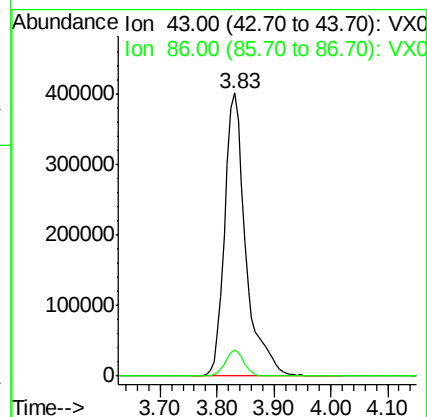
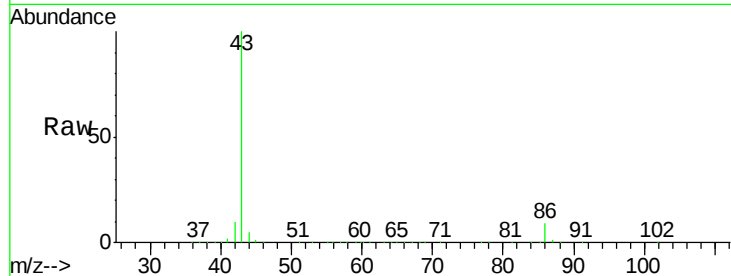
86 9.1 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.84 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

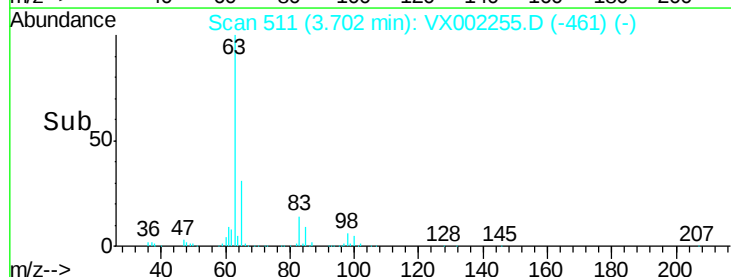
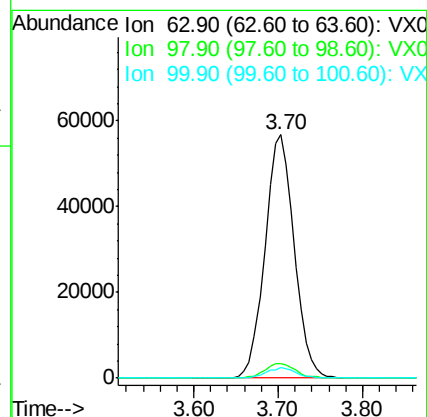
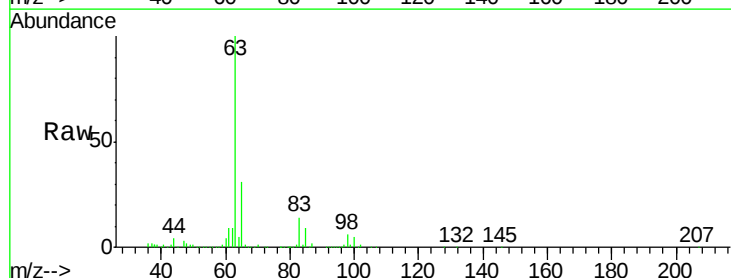
Tgt Ion: 63 Resp: 135515

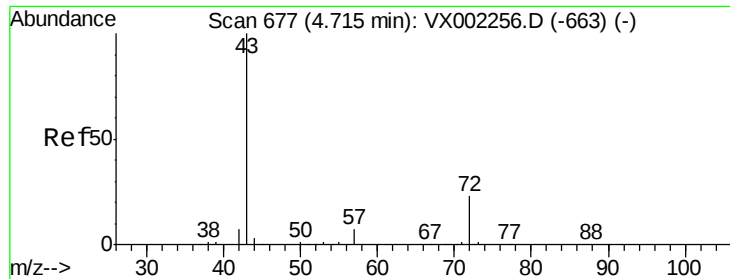
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 98.45 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 288719

Ion Ratio Lower Upper

43 100

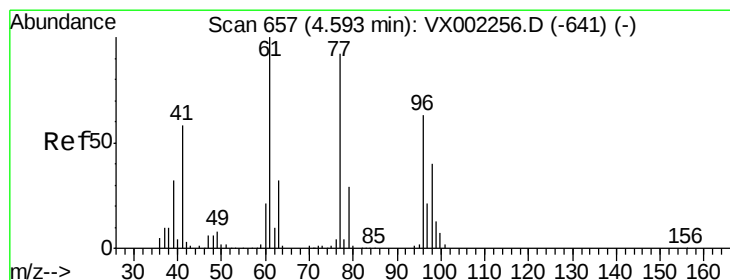
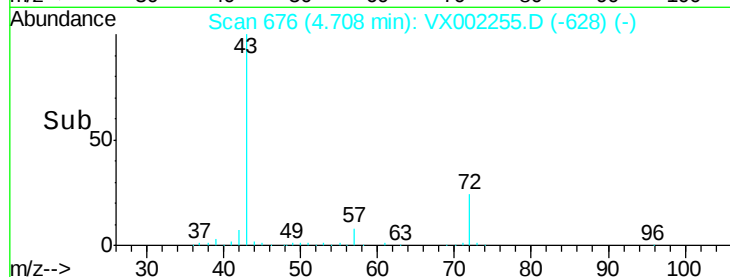
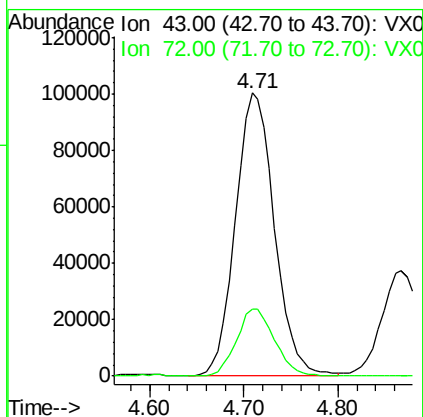
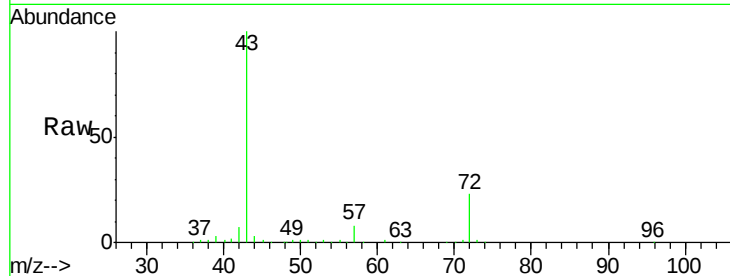
72 23.4 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.75 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002255.D

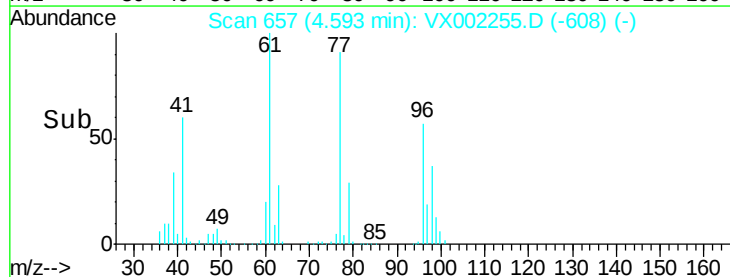
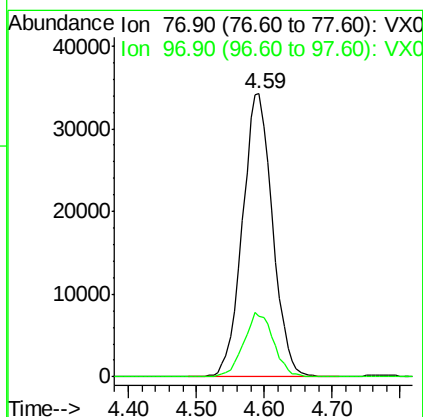
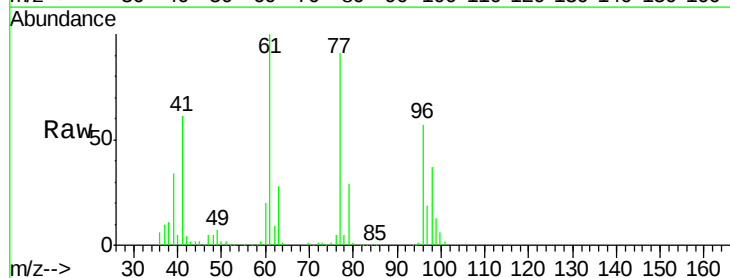
Acq: 04 Jun 2018 10:59

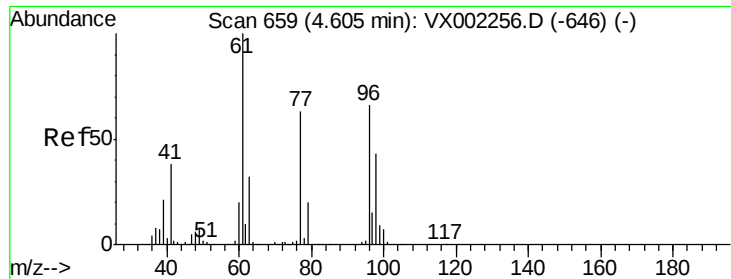
Tgt Ion: 77 Resp: 105415

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tot Ion:	96	Resp:	72141
Ion	Ratio	Lower	Upper
96	100		
61	178.9	0.0	330.2
98	65.9	0.0	130.2

Instrument :

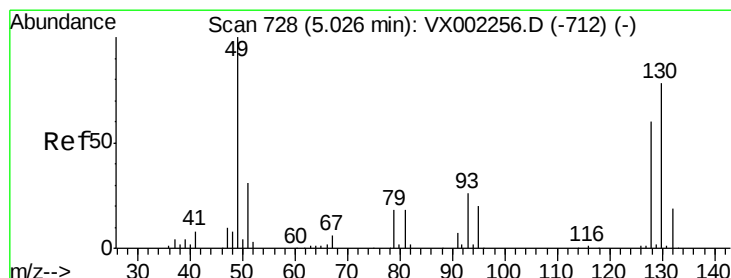
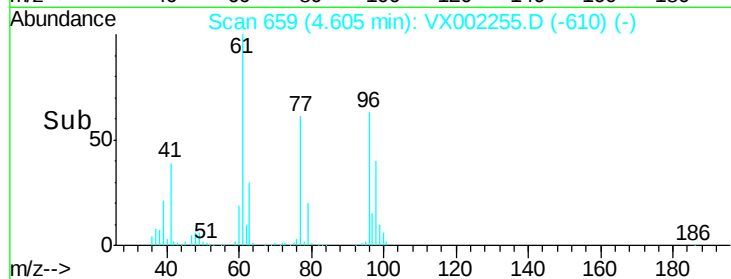
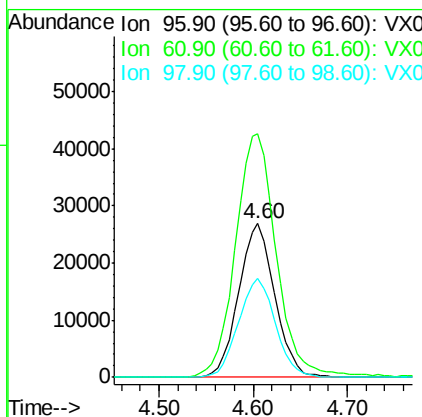
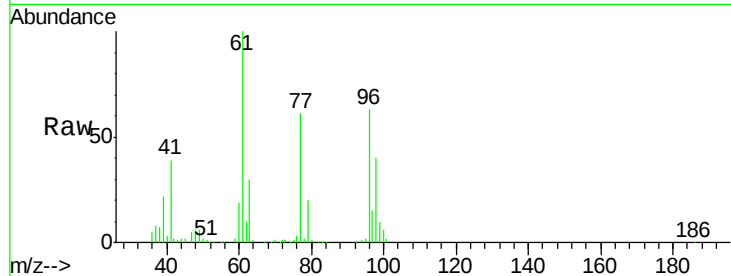
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:02 PM



#28

Bromochloromethane

Concen: 19.93 ug/l

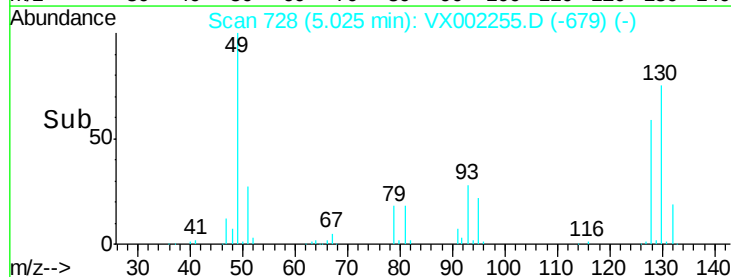
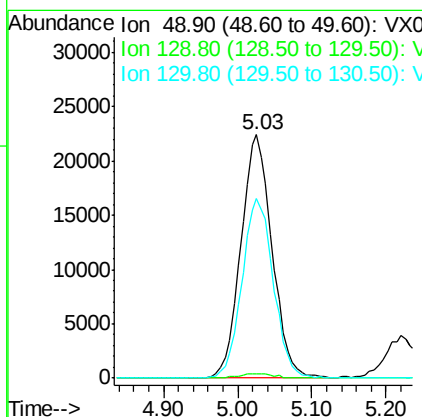
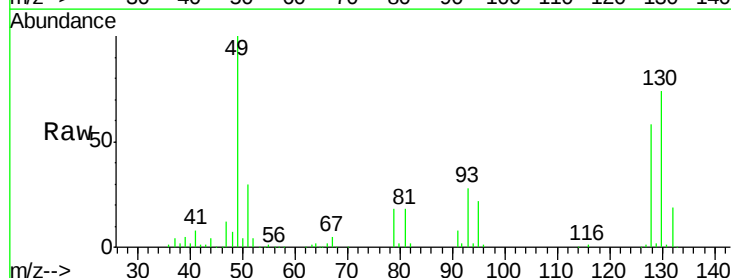
RT: 5.03 min Scan# 728

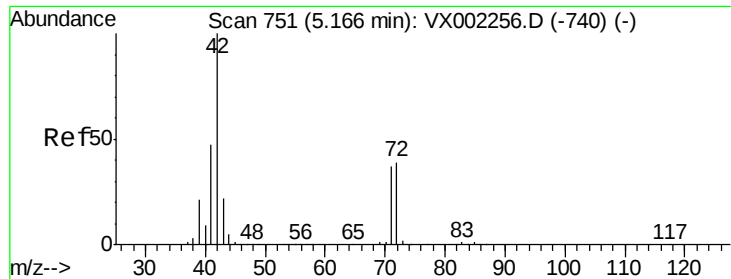
Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion:	49	Resp:	65903
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.0	61.2	91.8





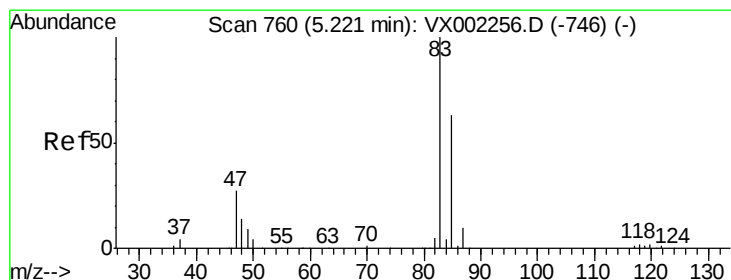
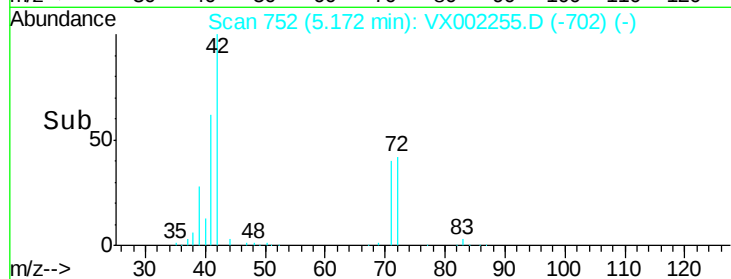
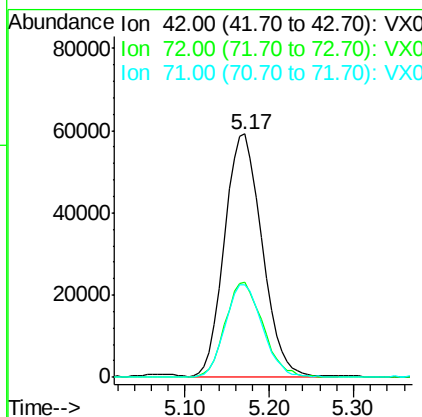
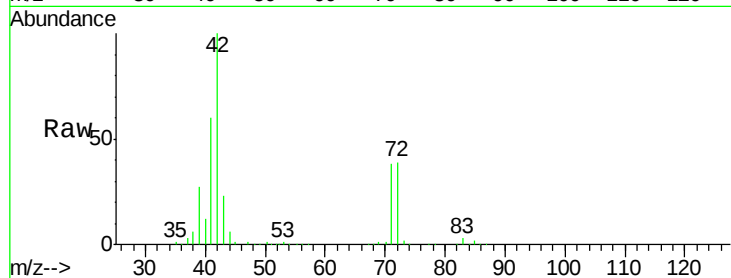
#29
Tetrahydrofuran
Concen: 94.53 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	38.2	30.1	45.1

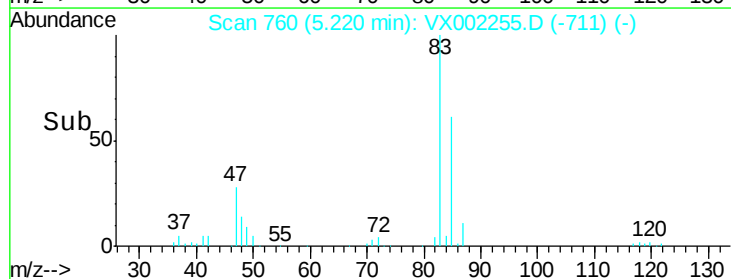
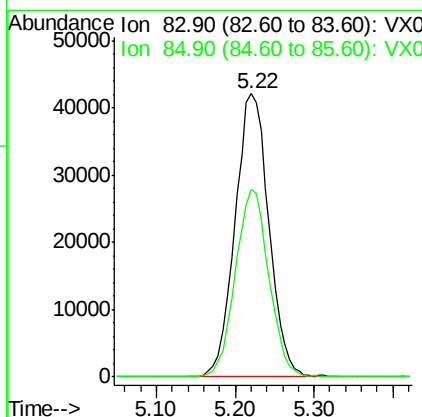
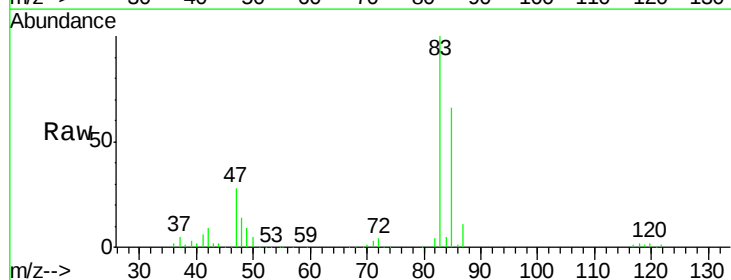
Manual Integrations
APPROVED

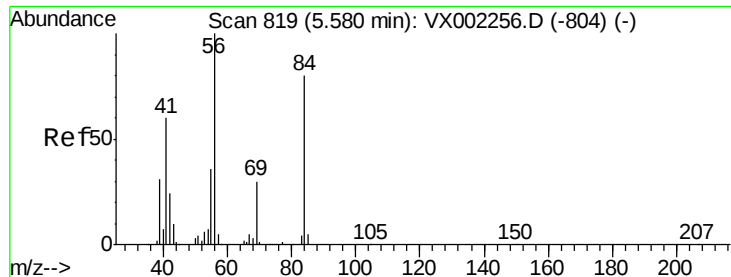
MMDadoda
6/5/2018 5:56:02 PM



#30
Chloroform
Concen: 19.03 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.4	75.6





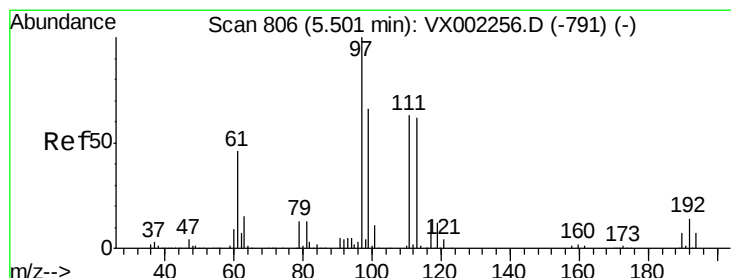
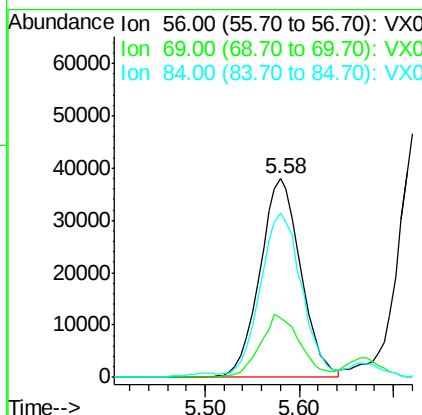
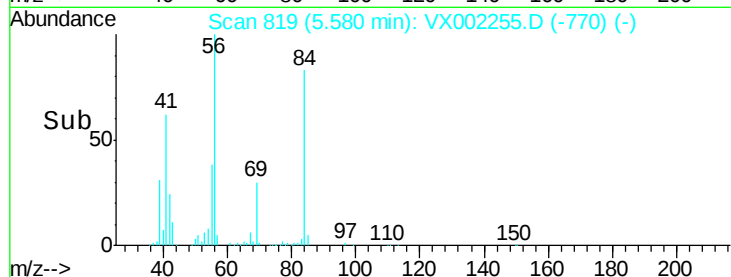
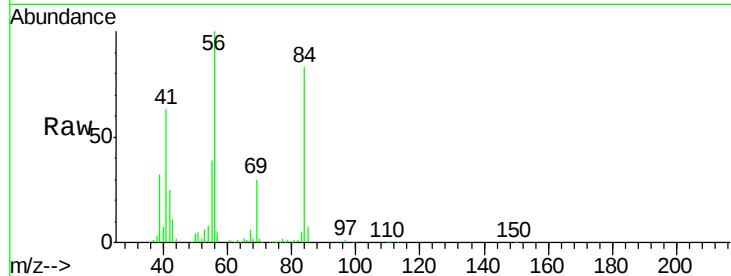
#31
Cyclohexane
Concen: 21.17 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	81.7	64.1	96.1

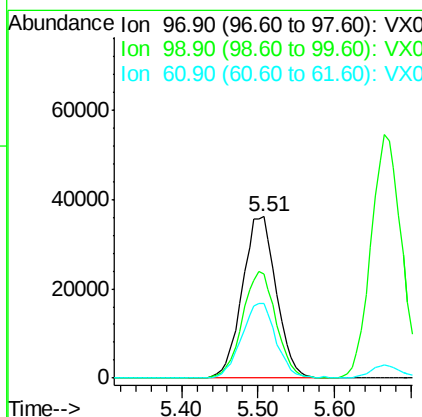
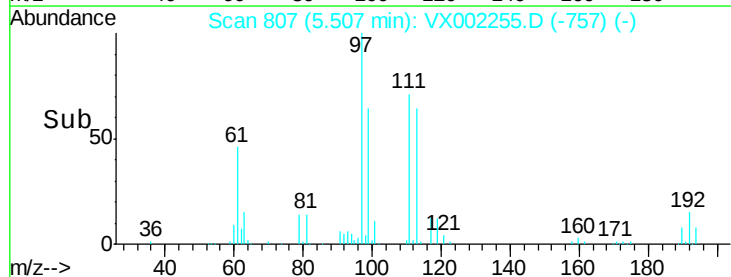
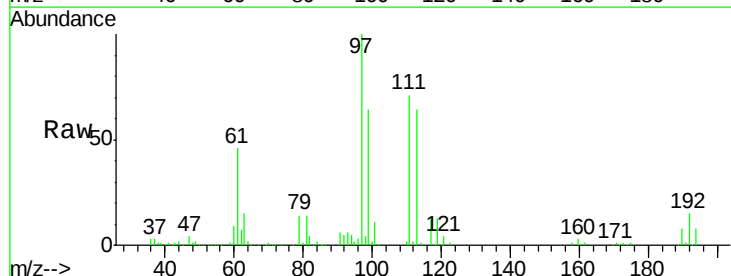
Manual Integrations
APPROVED

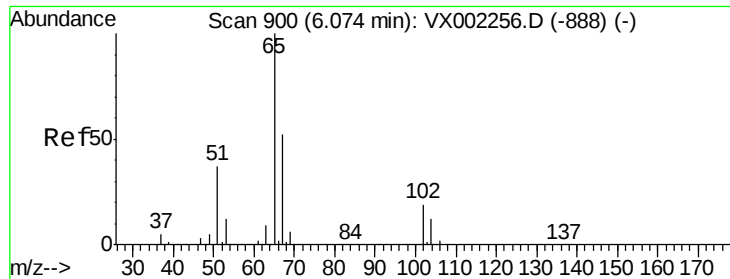
MMDadoda
6/5/2018 5:56:02 PM



#32
1,1,1-Trichloroethane
Concen: 20.05 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.9	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 19.84 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 92307

Ion Ratio Lower Upper

65 100

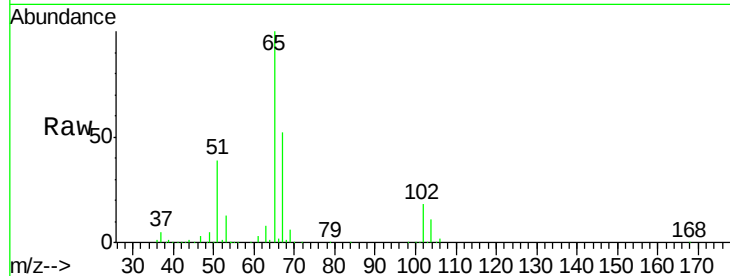
67 52.8 0.0 102.6

Manual Integrations

APPROVED

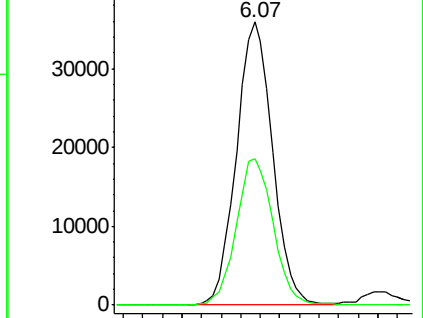
MMDadoda

6/5/2018 5:56:02 PM

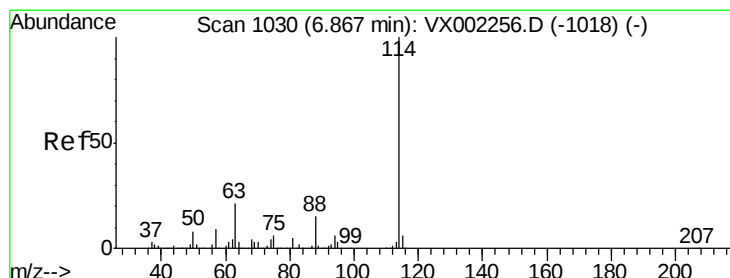
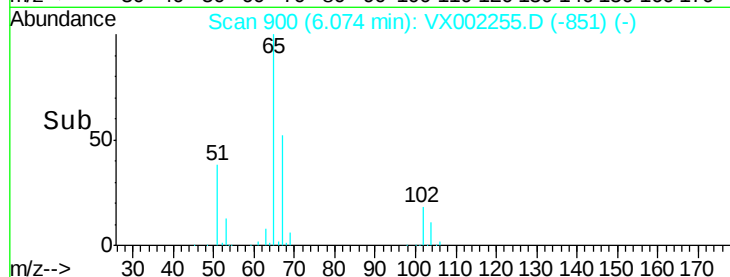


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

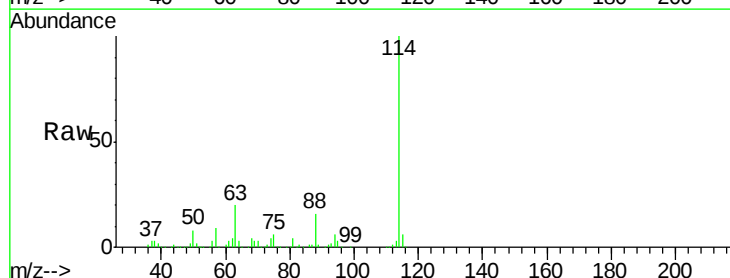
Tgt Ion: 114 Resp: 432880

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

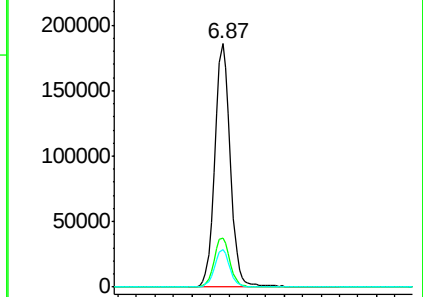
88 15.6 0.0 30.0



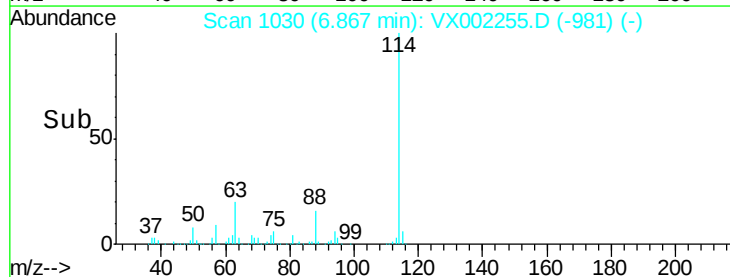
Abundance Ion 113.90 (113.60 to 114.60): V

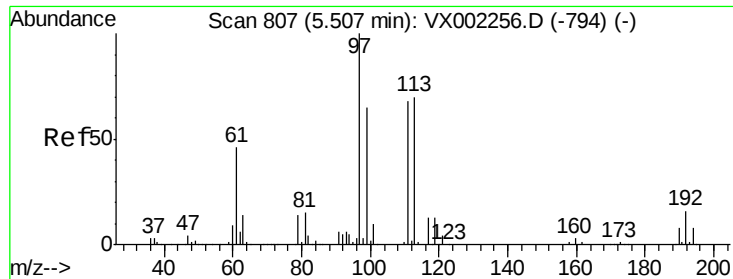
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





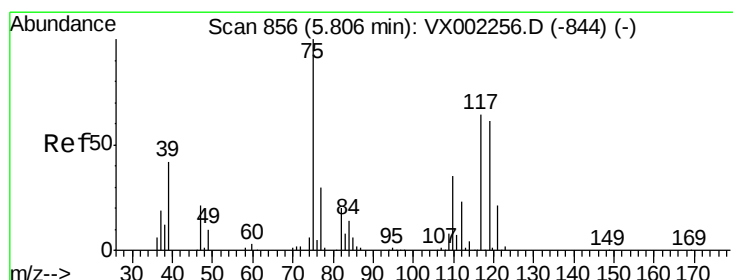
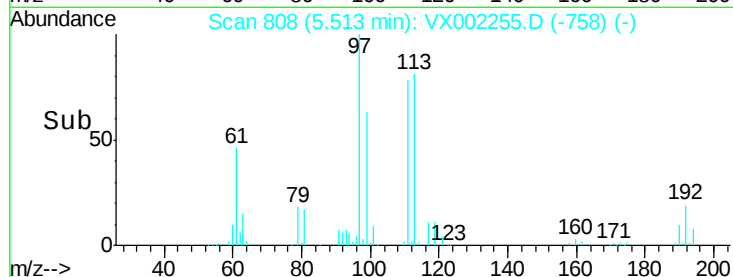
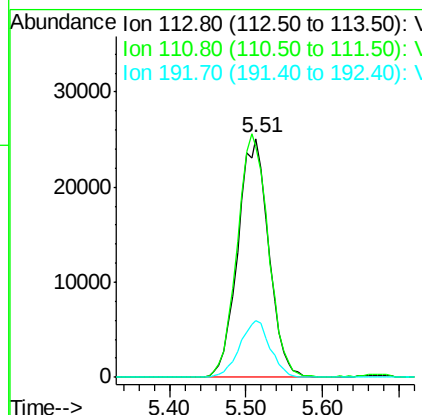
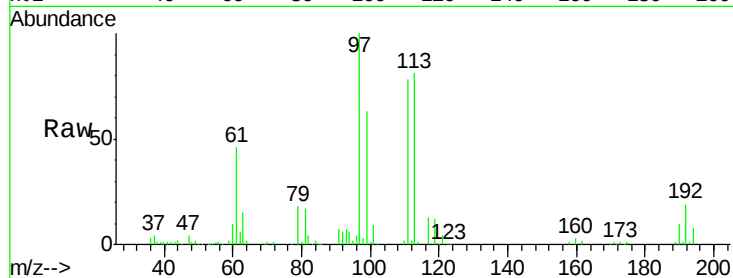
#35
Dibromofluoromethane
Concen: 20.63 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	23.4	19.1	28.7

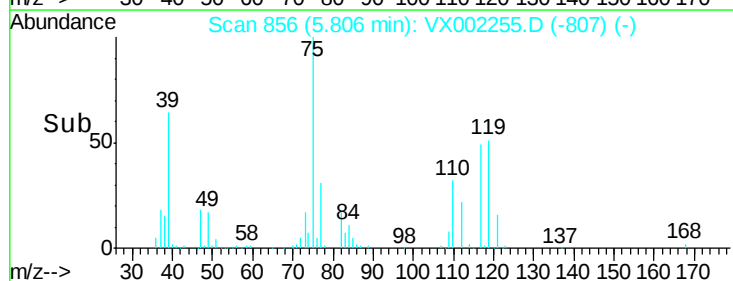
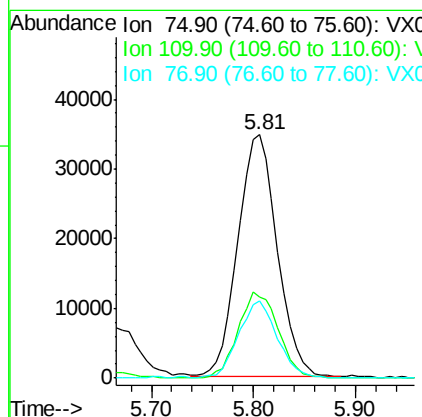
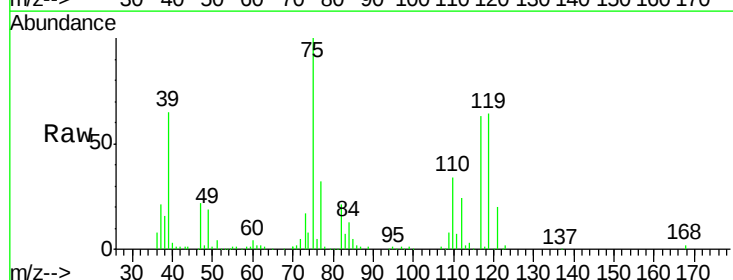
Manual Integrations
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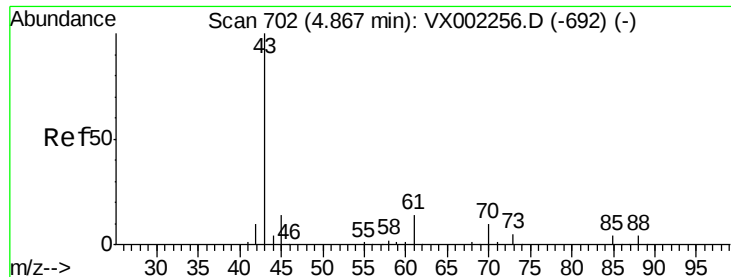
MMDadoda
6/5/2018 5:56:02 PM



#36
1,1-Dichloropropene
Concen: 20.40 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

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





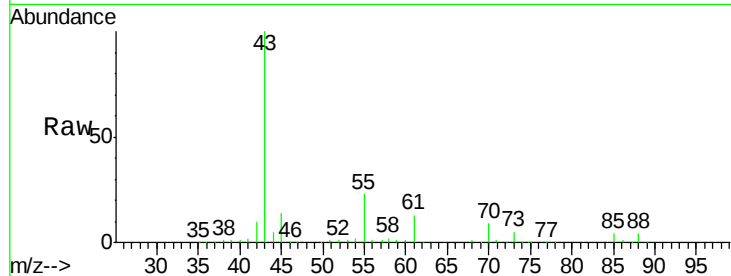
#37
Ethyl Acetate
Concen: 19.85 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

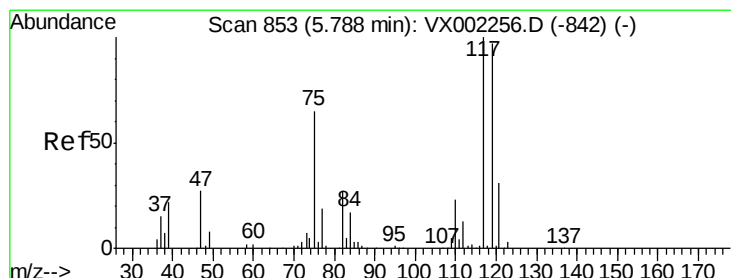
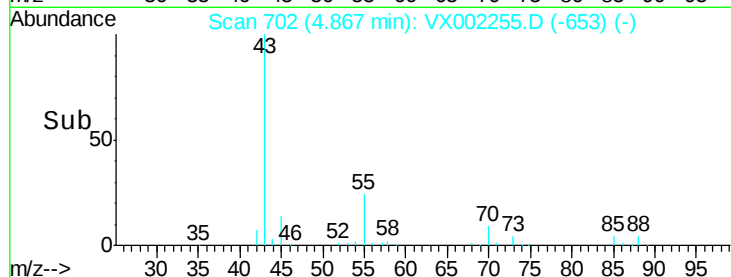
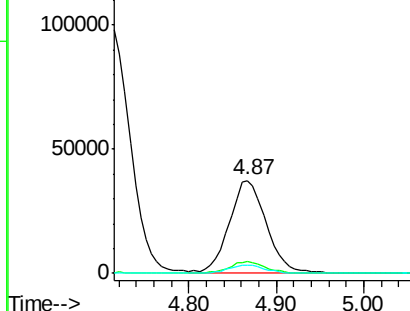
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.4	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:02 PM



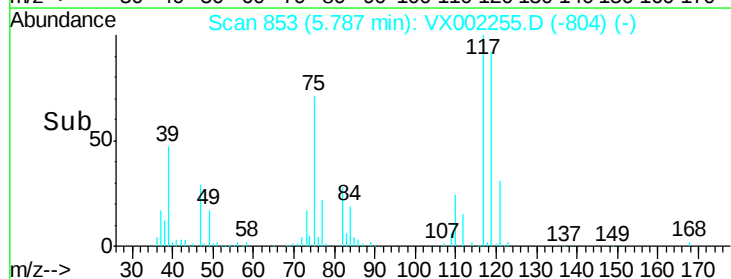
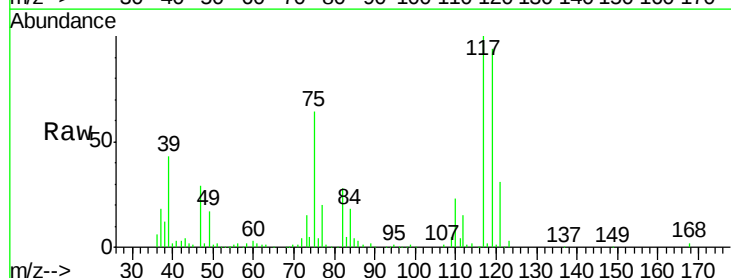
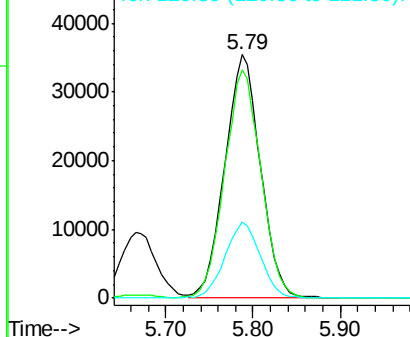
Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

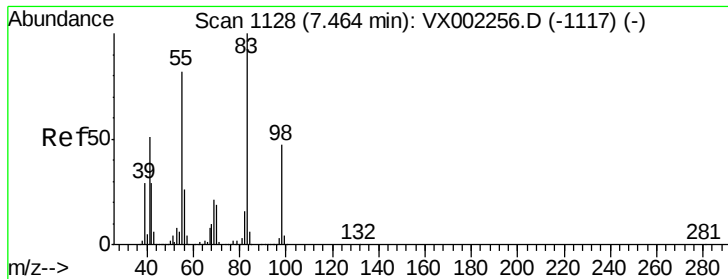


#38
Carbon Tetrachloride
Concen: 21.05 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	31.0	24.4	36.6

Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





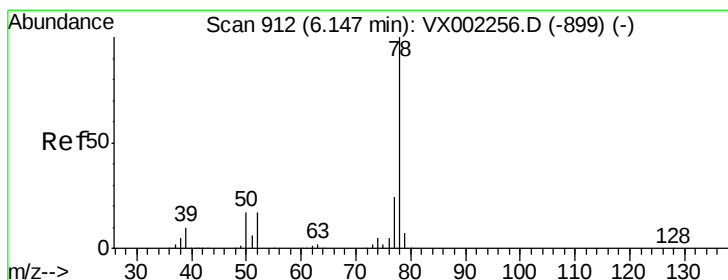
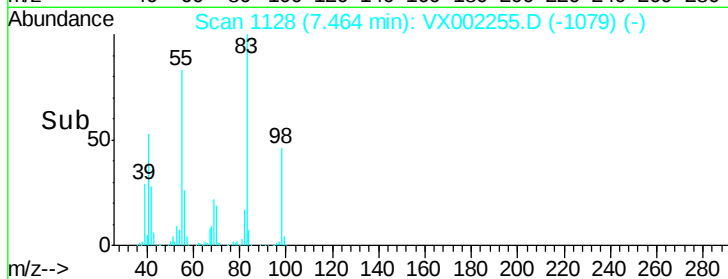
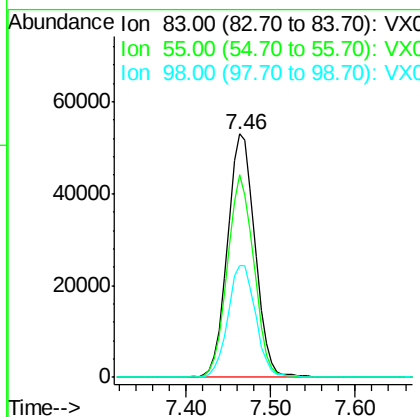
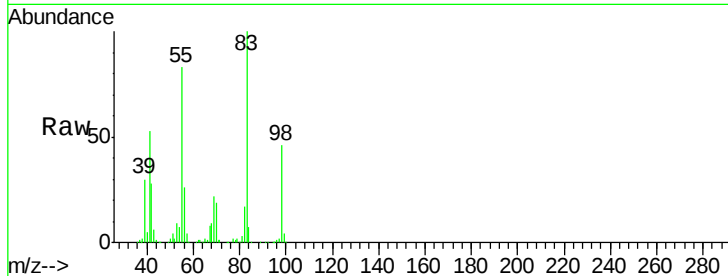
#39
Methvlcvclohexane
Concen: 22.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.4	98.0
98	45.9	37.4	56.0

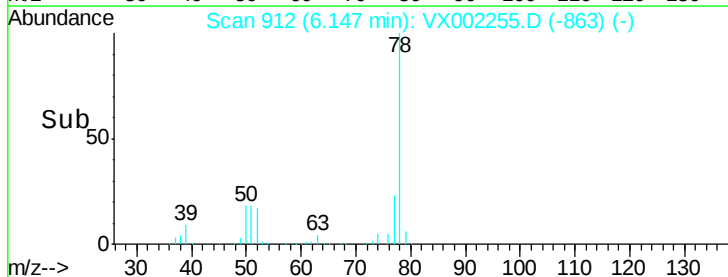
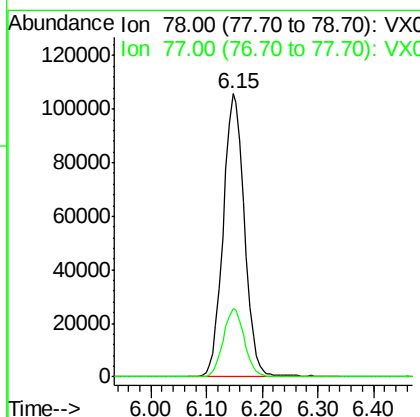
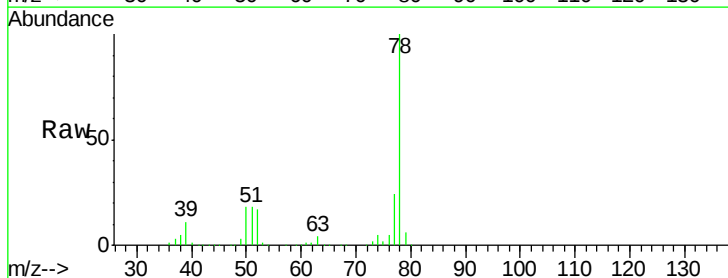
Manual Integrations
APPROVED

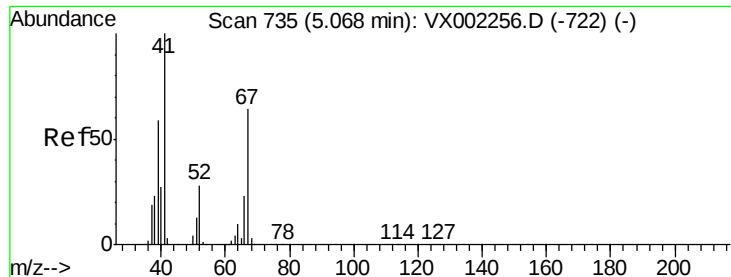
MMDadoda
6/5/2018 5:56:02 PM



#40
Benzene
Concen: 20.07 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





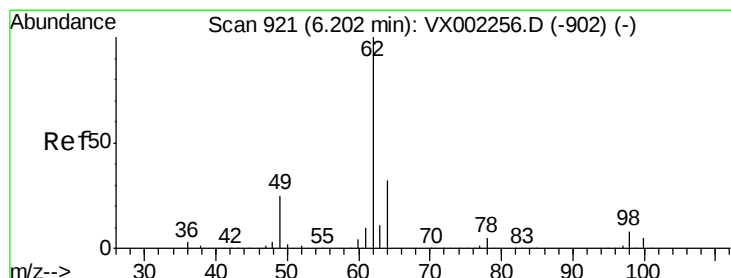
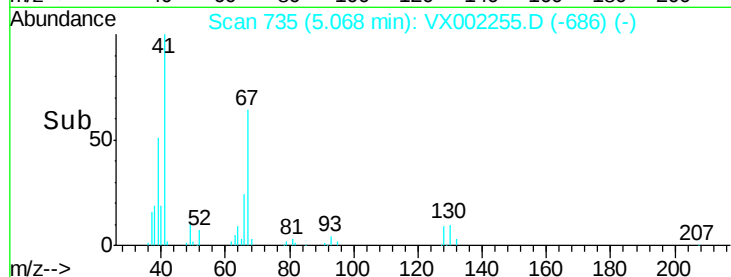
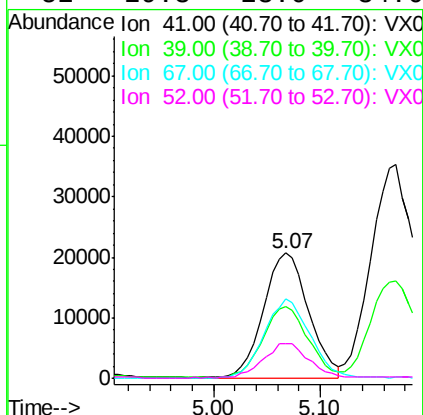
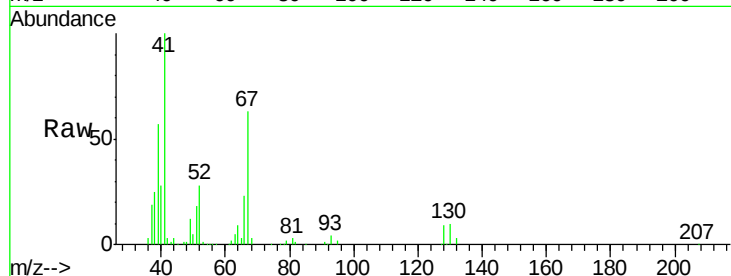
#41
Methacrylonitrile
Concen: 19.34 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	45.8	68.6	
67	64.5	51.3	76.9	
52	29.3	23.0	34.6	

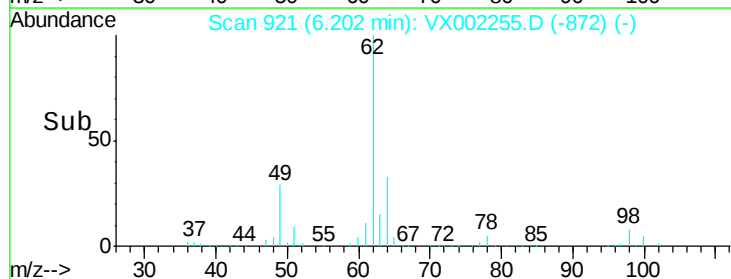
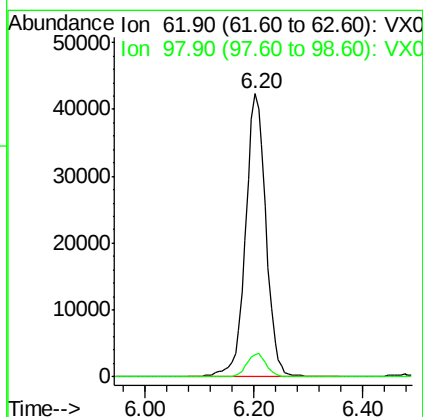
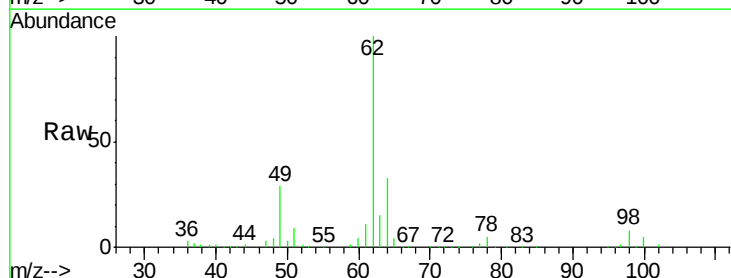
Manual Integrations
APPROVED

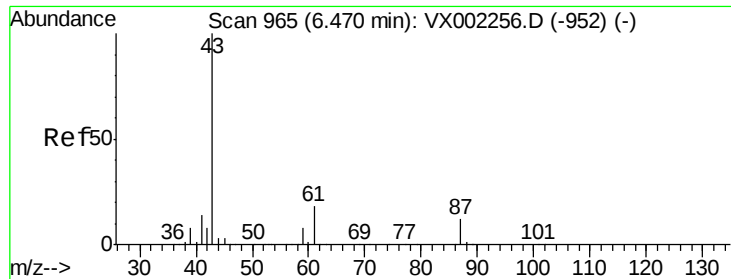
MMDadoda
6/5/2018 5:56:02 PM



#42
1,2-Dichloroethane
Concen: 19.88 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.6	





#43

Isopropyl Acetate

Concen: 19.44 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

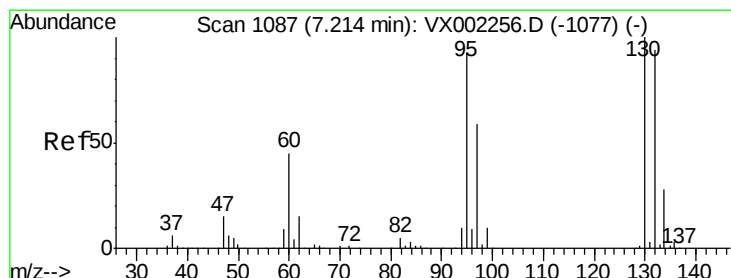
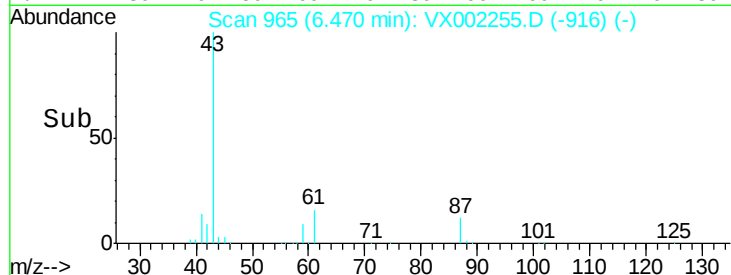
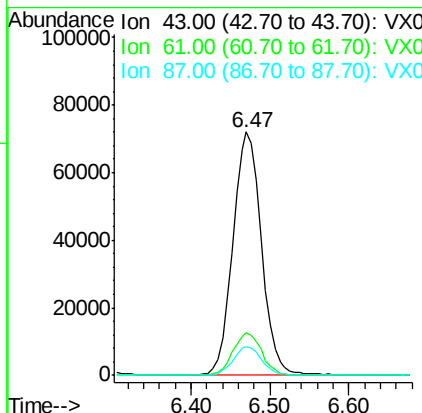
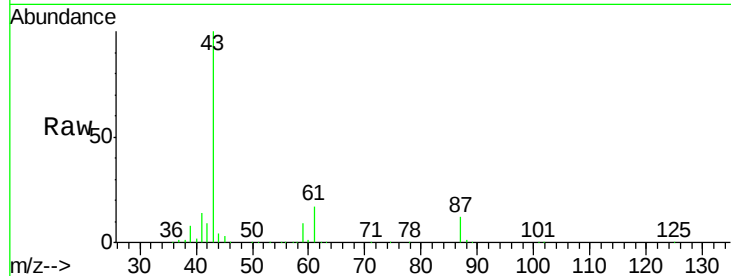
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	180662
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.4	21.6
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.57 ug/l

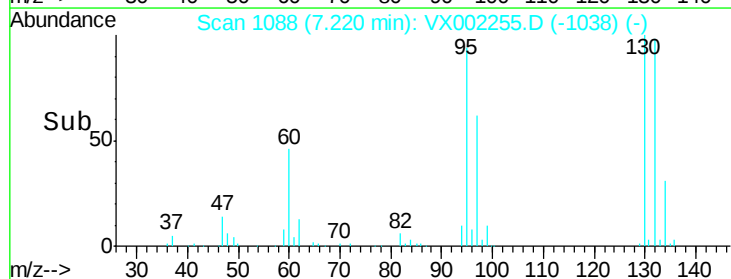
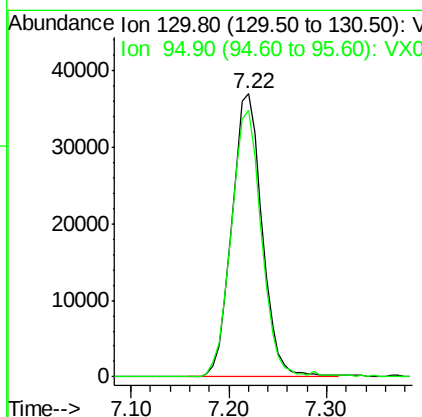
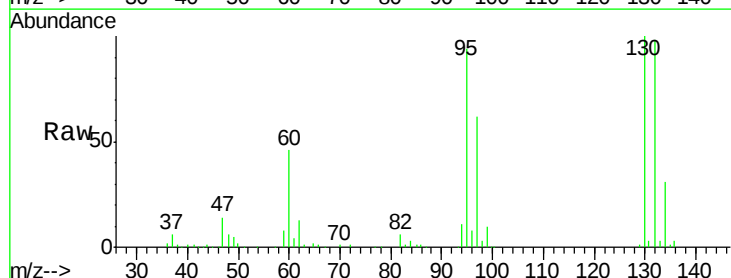
RT: 7.22 min Scan# 1088

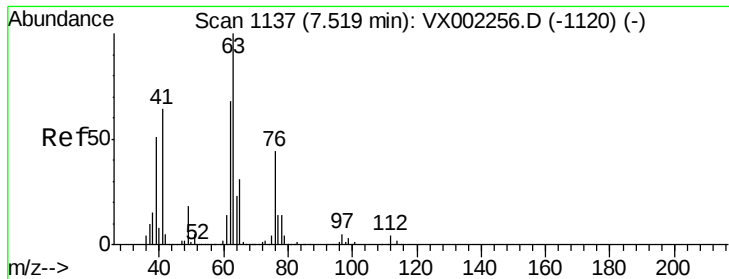
Delta R.T. 0.01 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion:	130	Resp:	79651
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.73 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 74339

Ion Ratio Lower Upper

63 100

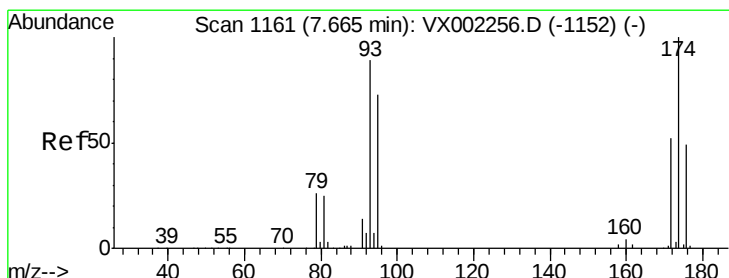
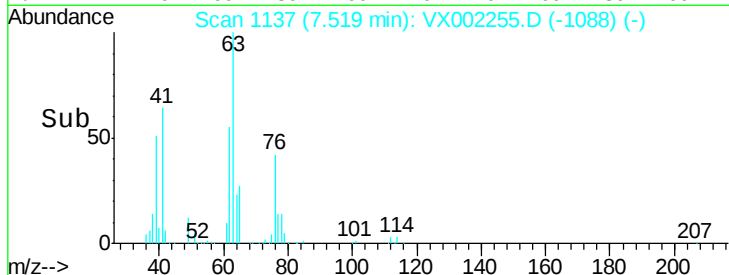
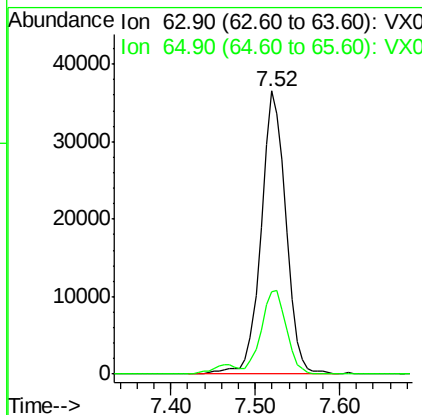
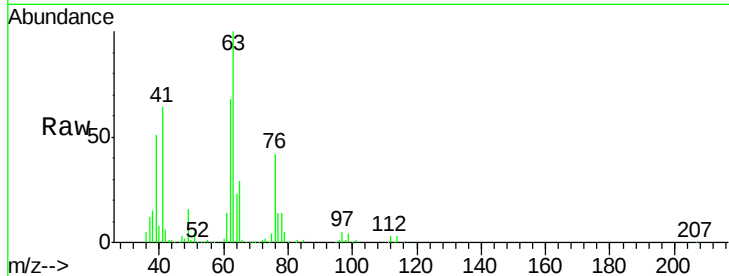
65 29.0 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.90 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

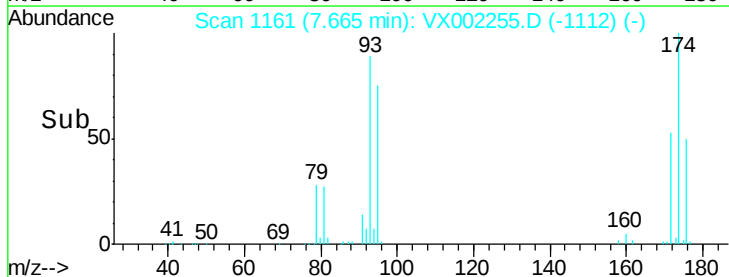
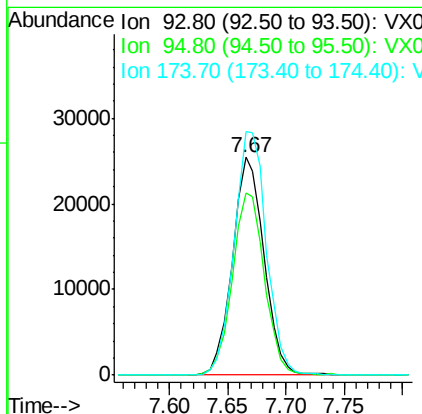
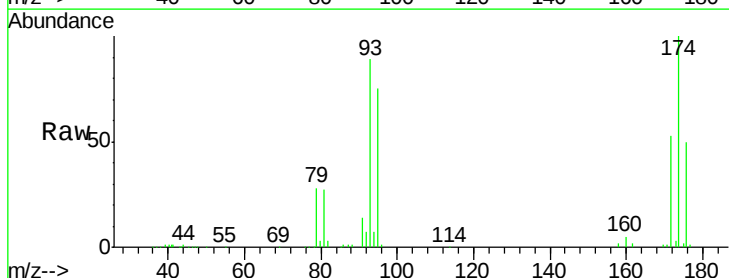
Tgt Ion: 93 Resp: 48255

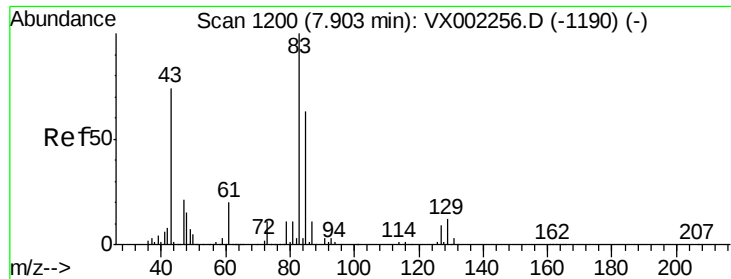
Ion Ratio Lower Upper

93 100

95 84.6 65.9 98.9

174 114.5 92.4 138.6





#47

Bromodichloromethane

Concen: 19.35 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

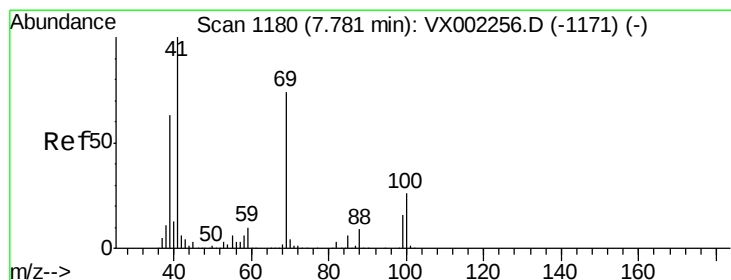
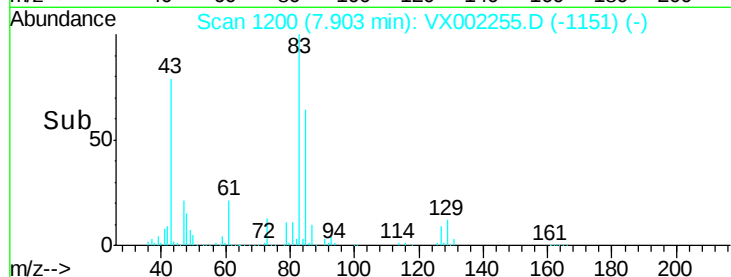
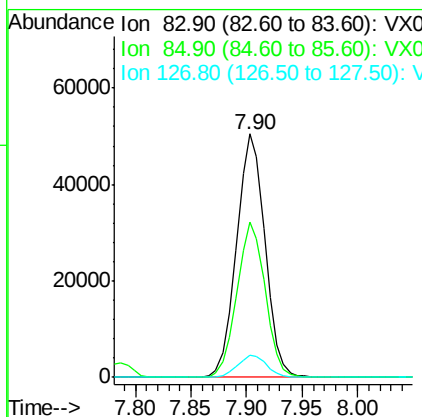
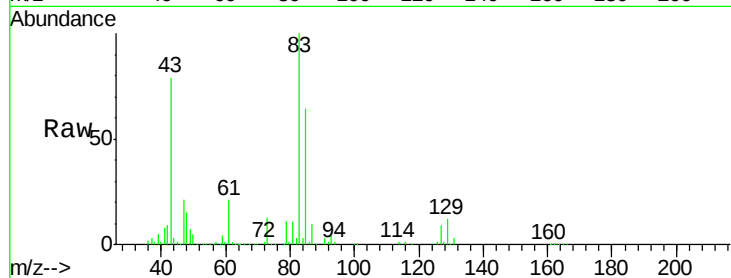
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	89362
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.53 ug/l

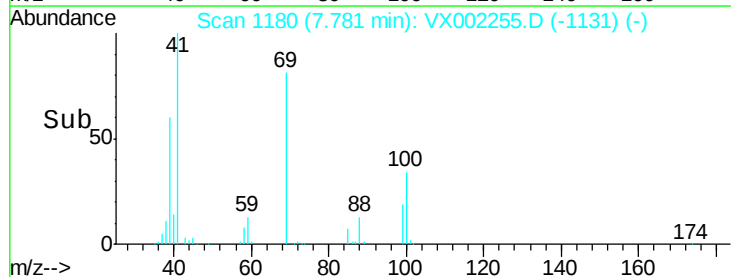
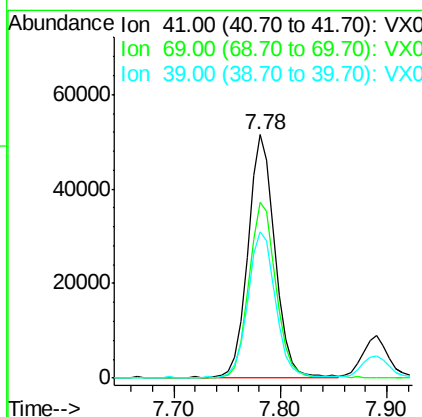
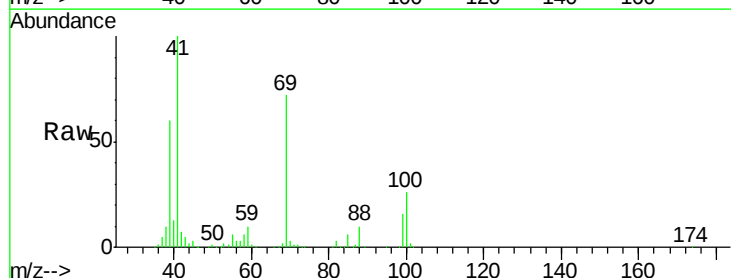
RT: 7.78 min Scan# 1180

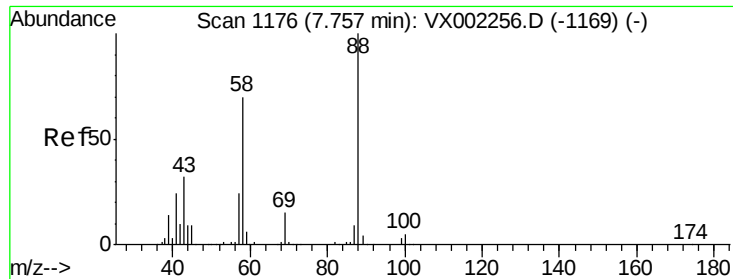
Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion:	41	Resp:	91209
Ion	Ratio	Lower	Upper
41	100		
69	73.7	59.1	88.7
39	61.0	48.9	73.3





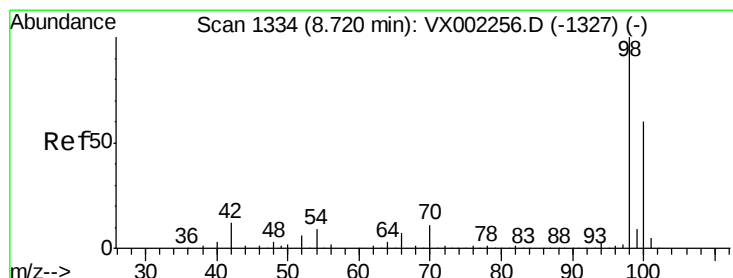
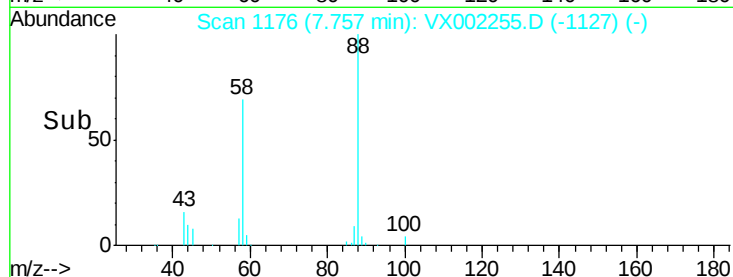
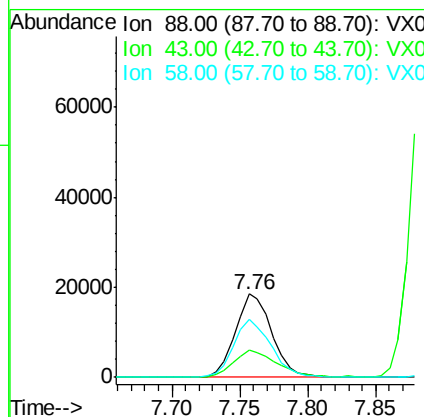
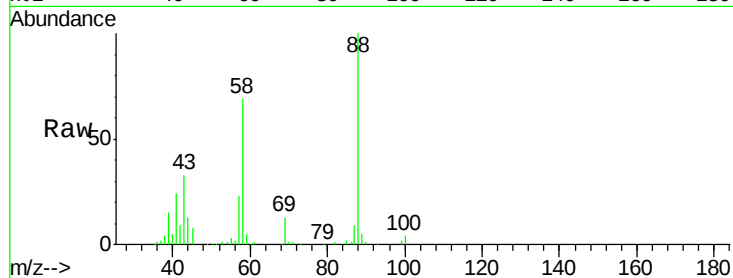
#49
1,4-Dioxane
Concen: 396.37 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	29.8	44.6
58	71.1	57.1	85.7

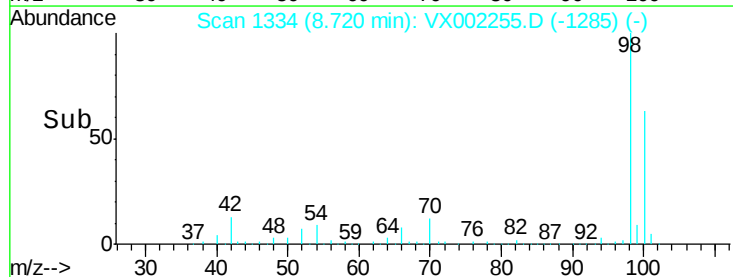
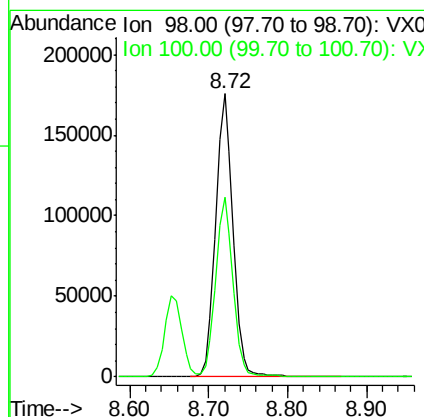
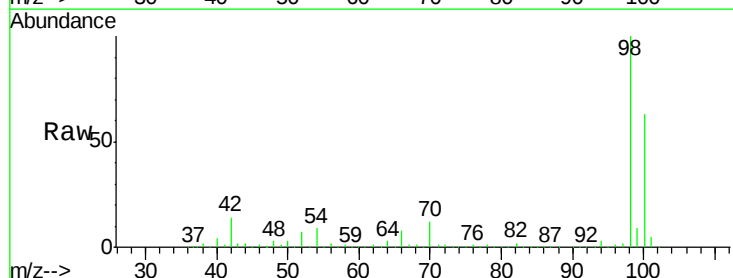
Manual Integrations
APPROVED

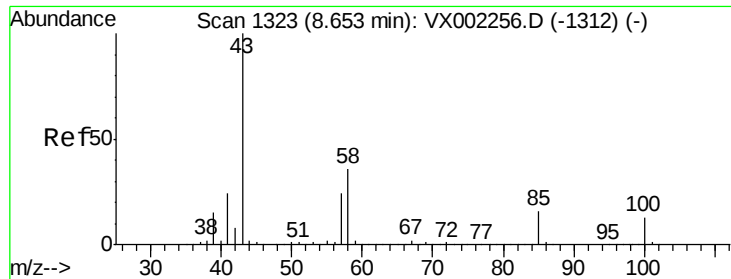
MMDadoda
6/5/2018 5:56:02 PM



#50
Toluene-d8
Concen: 20.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 99.37 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 575215

Ion Ratio Lower Upper

43 100

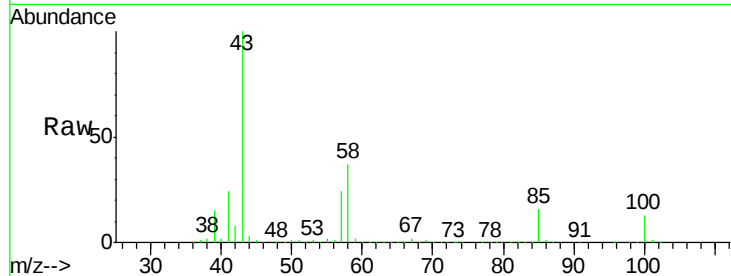
58 35.5 28.6 42.8

Manual Integrations

APPROVED

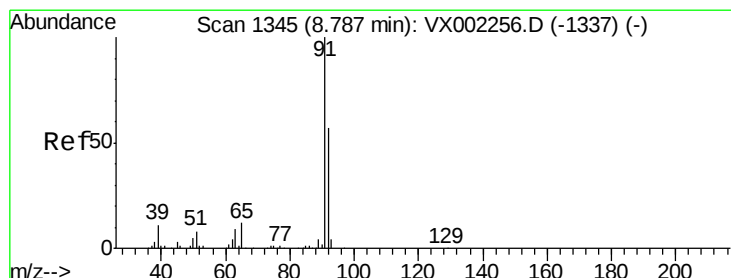
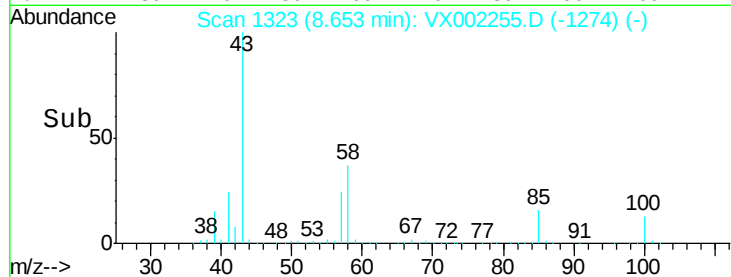
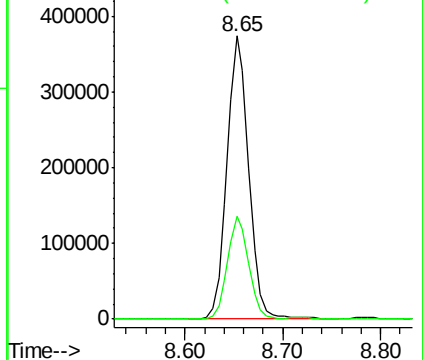
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.32 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002255.D

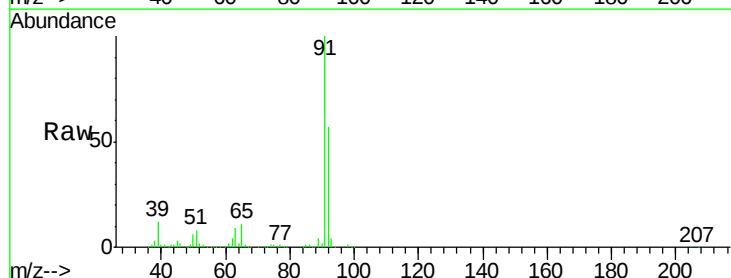
Acq: 04 Jun 2018 10:59

Tgt Ion: 92 Resp: 180305

Ion Ratio Lower Upper

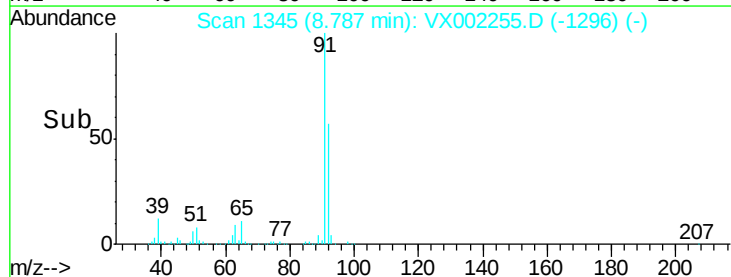
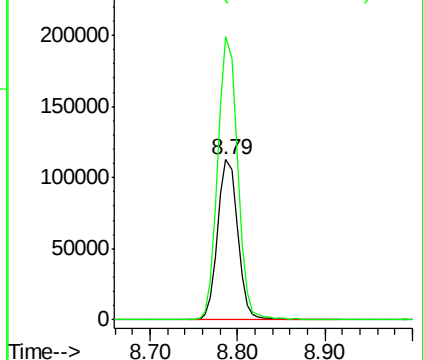
92 100

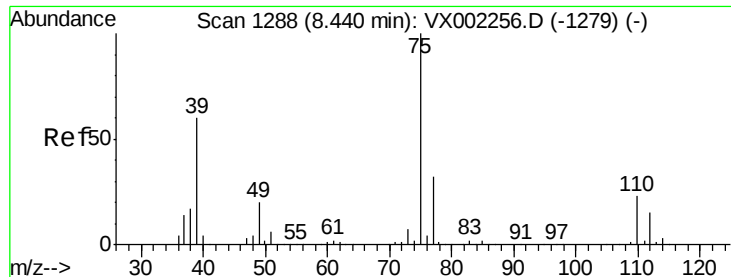
91 174.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





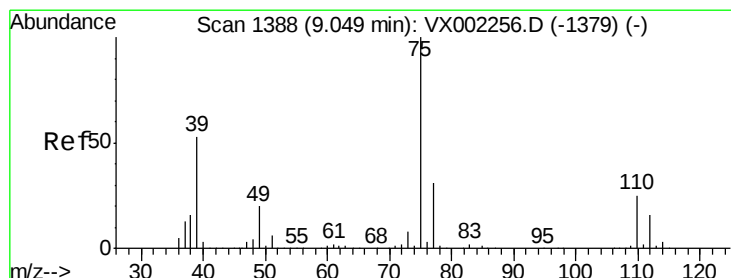
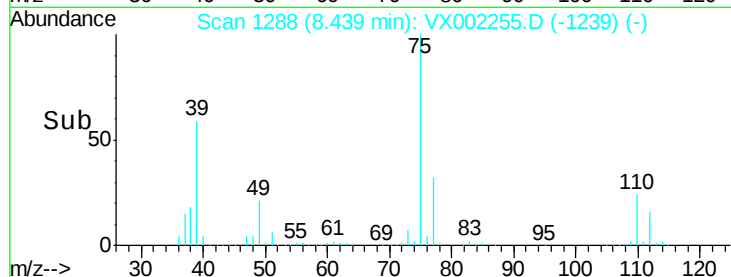
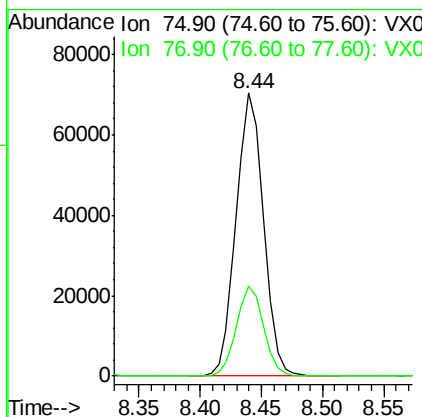
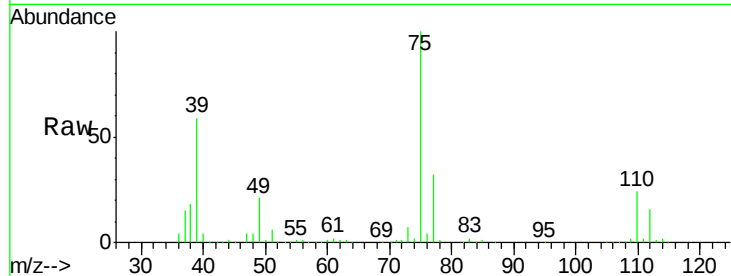
#53
t-1,3-Dichloropropene
Concen: 19.75 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 109374
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

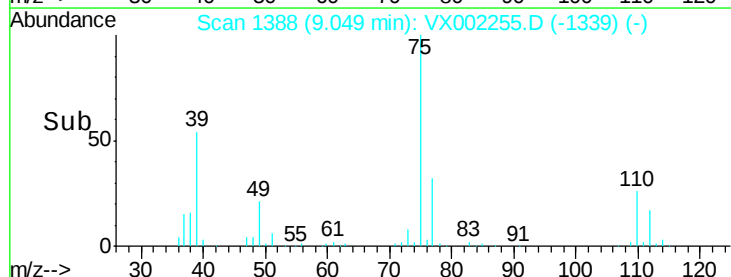
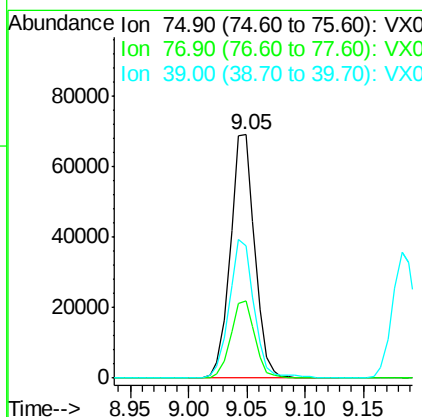
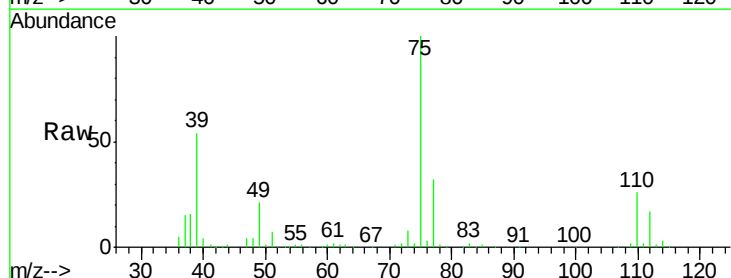
Manual Integrations
APPROVED

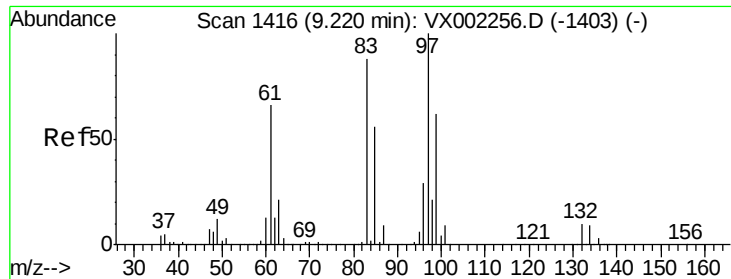
MMDadoda
6/5/2018 5:56:02 PM



#54
cis-1,3-Dichloropropene
Concen: 19.26 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion: 75 Resp: 100641
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 54.2 42.4 63.6





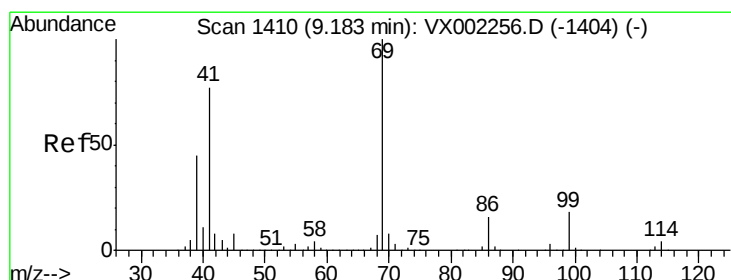
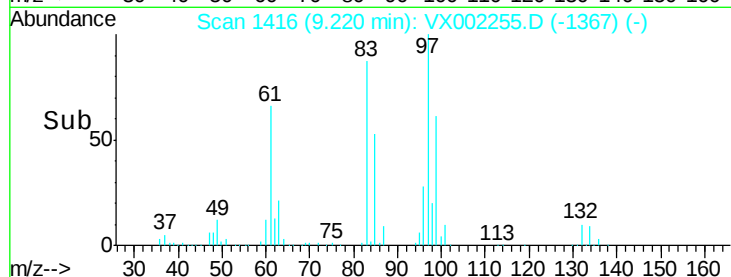
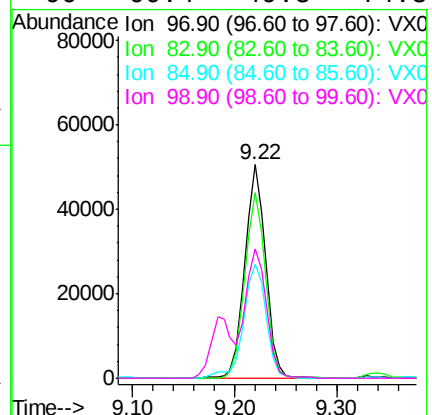
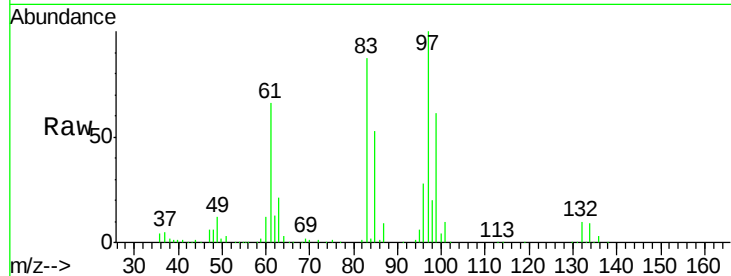
#55
 1,1,2-Trichloroethane
 Concen: 19.55 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.2	105.2
85	53.2	44.9	67.3
99	60.4	49.8	74.8

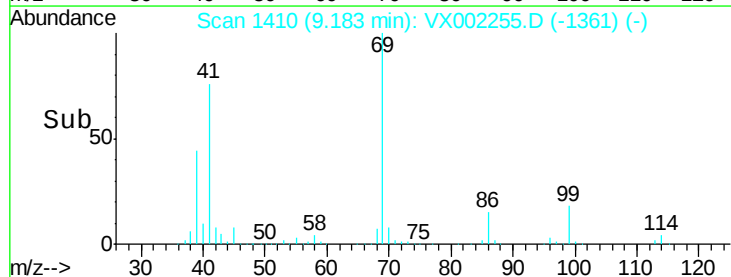
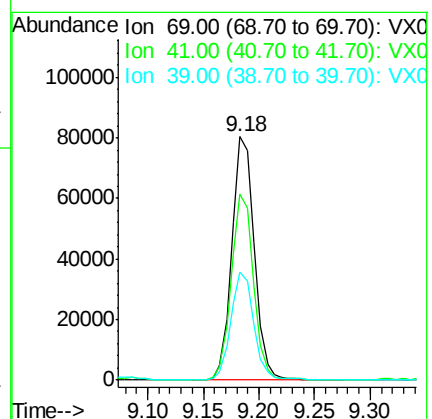
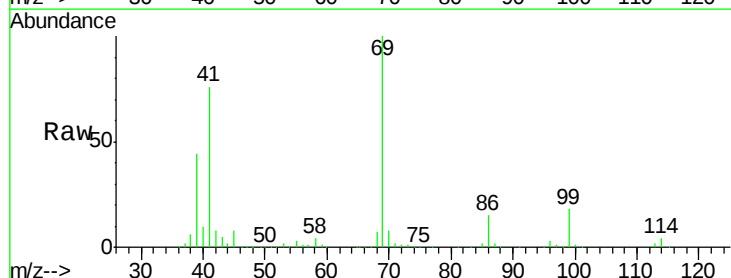
Manual Integrations
 APPROVED

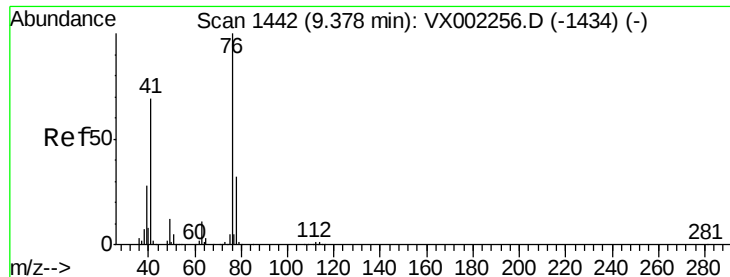
MMDadoda
 6/5/2018 5:56:02 PM



#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.3	90.5
39	45.0	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.69 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 120578

Ion Ratio Lower Upper

76 100

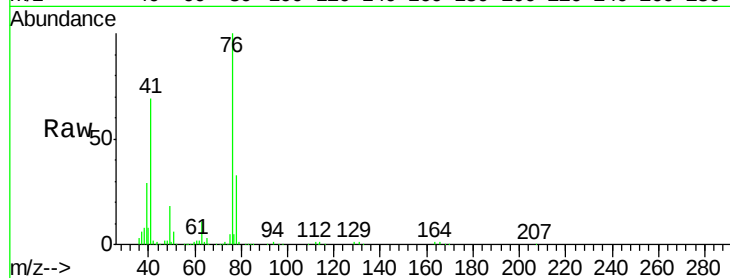
78 32.2 25.8 38.6

Manual Integrations

APPROVED

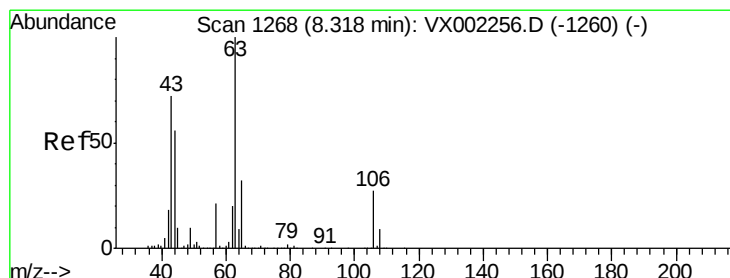
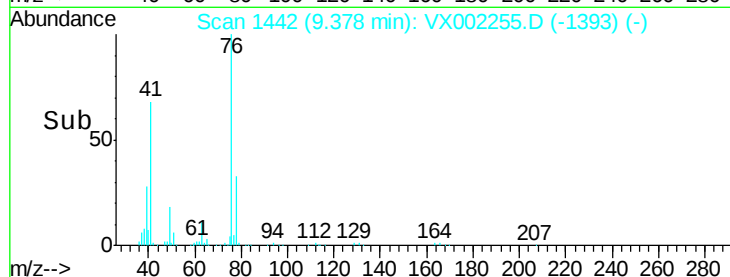
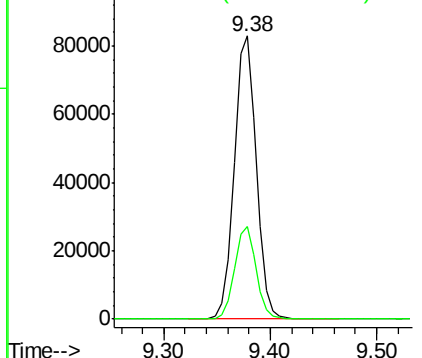
MMDadoda

6/5/2018 5:56:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 99.26 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002255.D

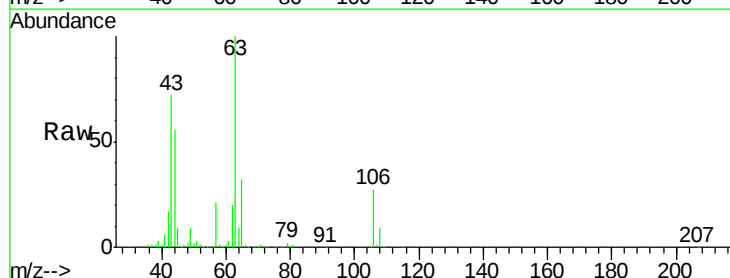
Acq: 04 Jun 2018 10:59

Tgt Ion: 63 Resp: 267729

Ion Ratio Lower Upper

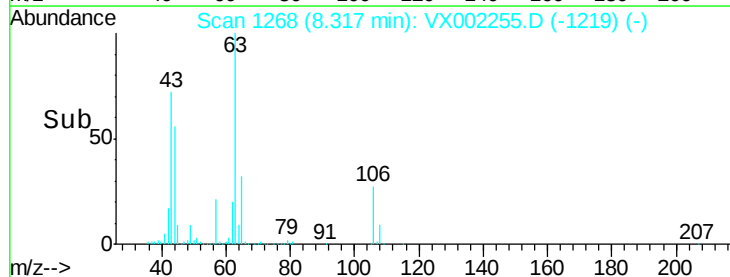
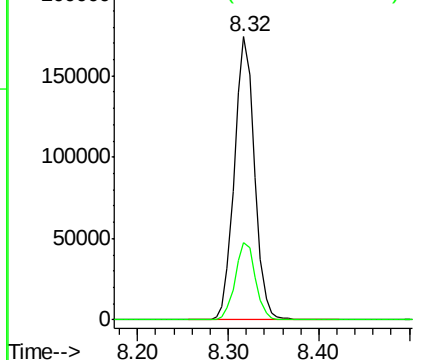
63 100

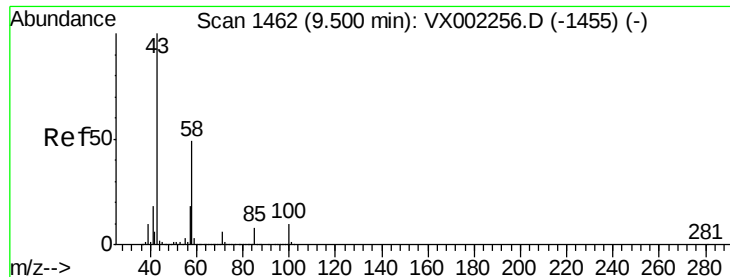
106 27.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





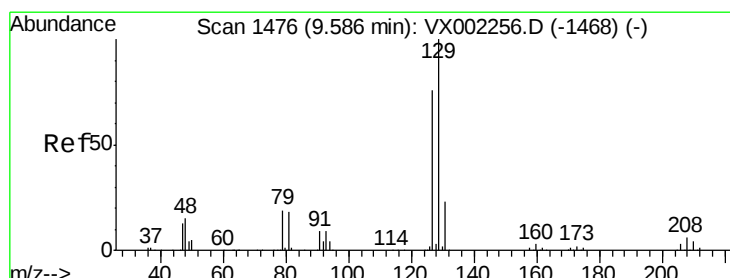
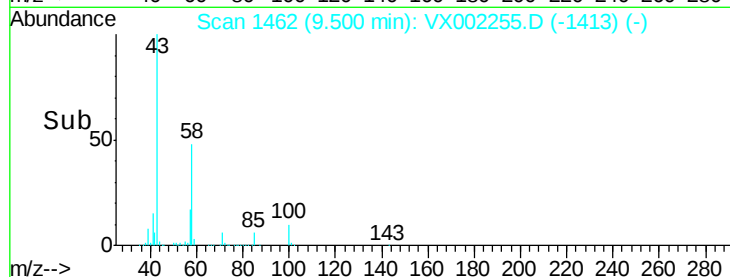
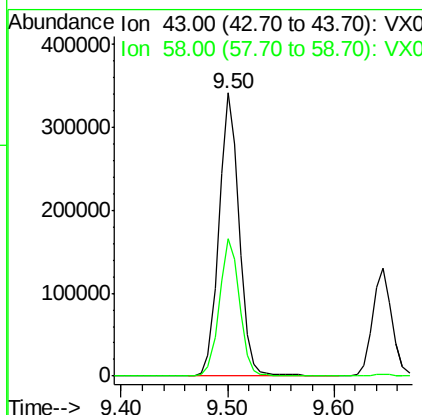
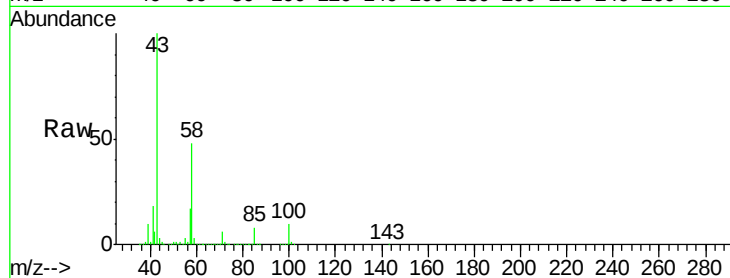
#59
2-Hexanone
Concen: 100.71 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	24.6	73.6

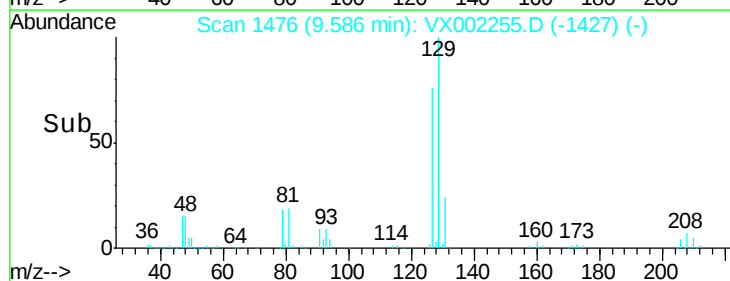
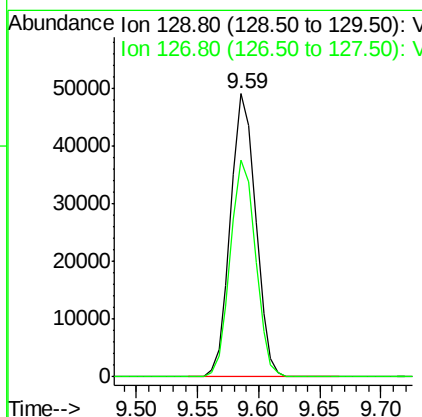
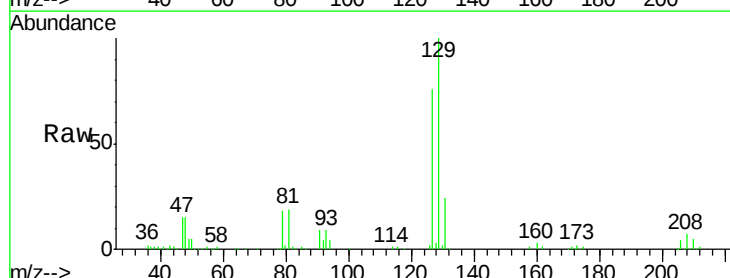
Manual Integrations
APPROVED

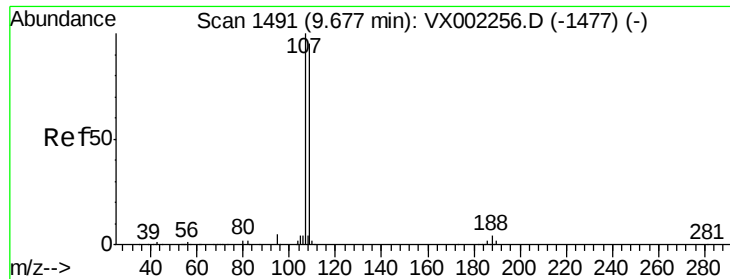
MMDadoda
6/5/2018 5:56:02 PM



#60
Dibromochloromethane
Concen: 19.10 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 73981

Ion Ratio Lower Upper

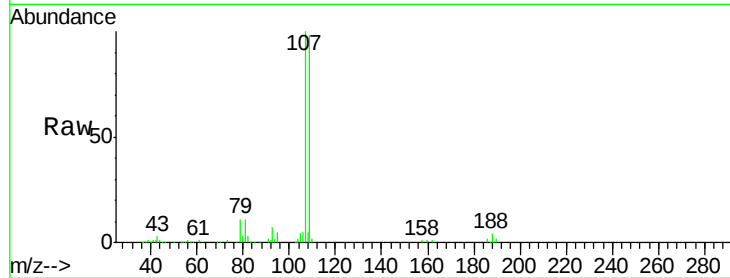
107 100

109 95.4 75.3 112.9

Manual Integrations
APPROVED

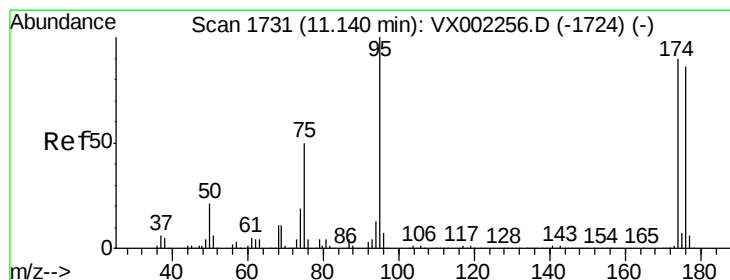
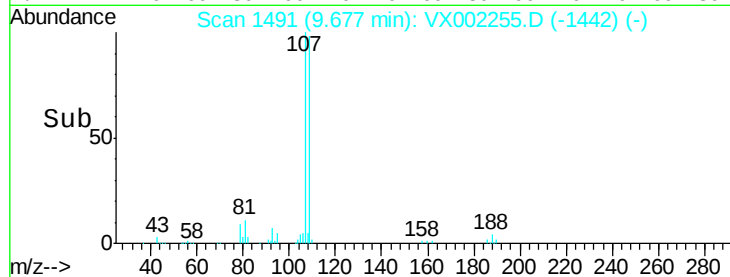
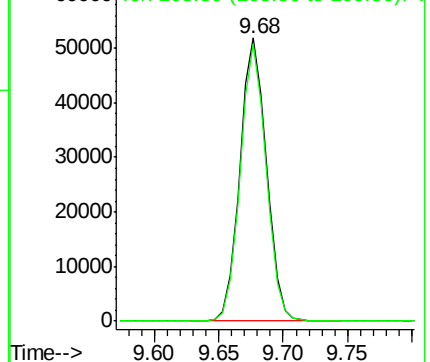
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

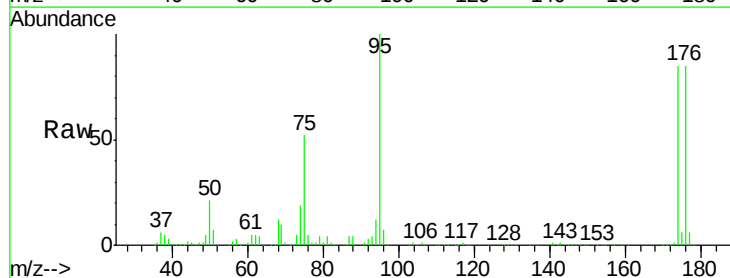
Tgt Ion: 95 Resp: 98980

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.4

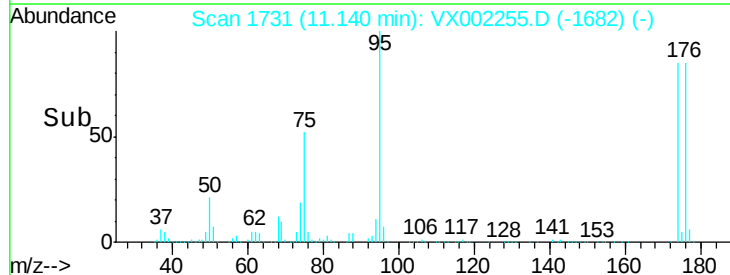
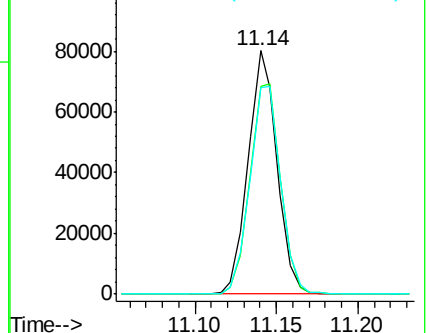
176 91.6 0.0 181.0

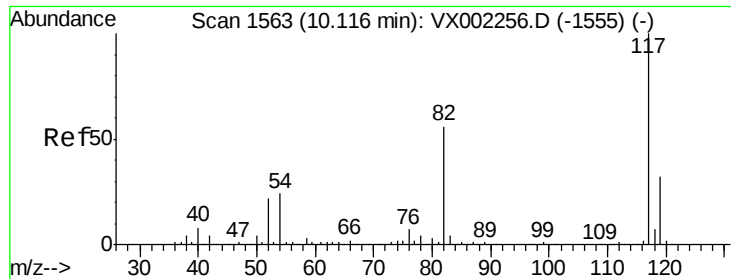


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





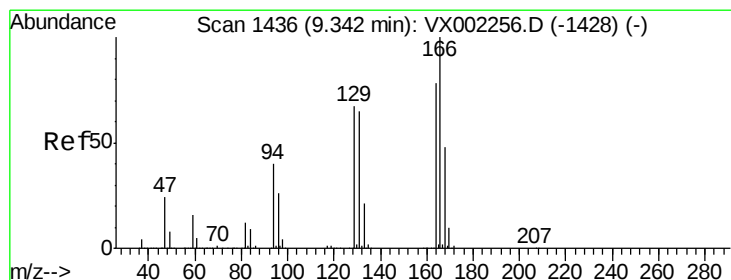
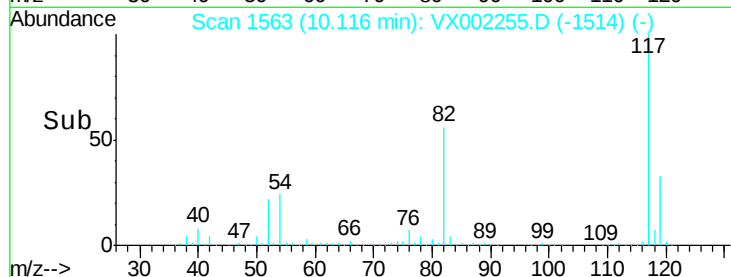
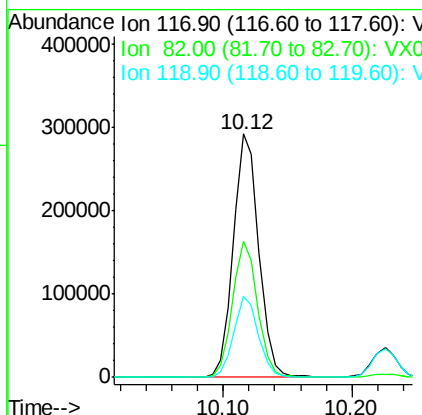
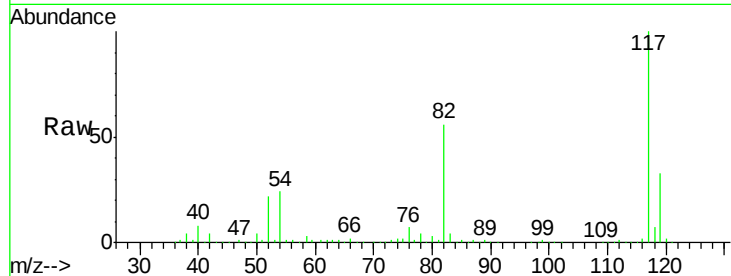
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.4
119	33.3	25.8	38.6

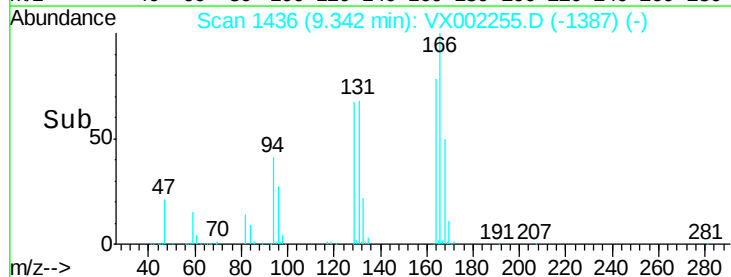
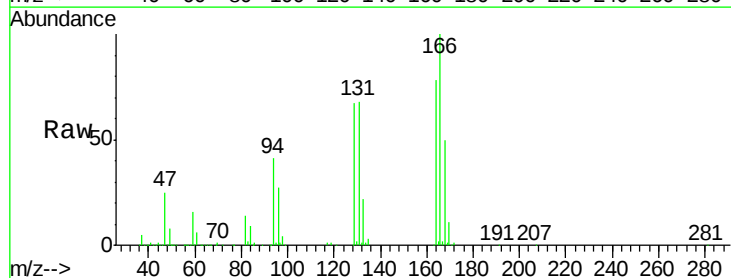
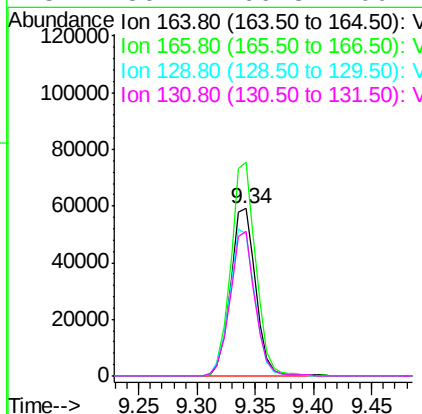
Manual Integrations
APPROVED

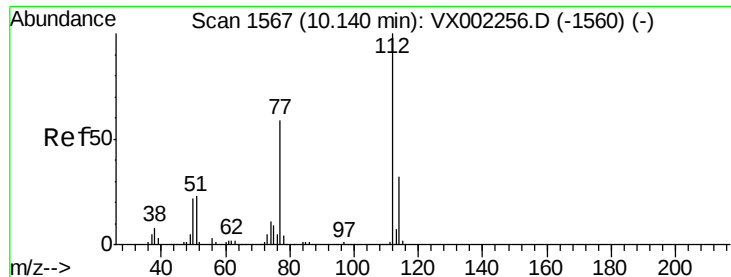
MMDadoda
6/5/2018 5:56:02 PM



#64
Tetrachloroethene
Concen: 21.42 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.9	154.3
129	85.1	68.6	102.8
131	86.4	66.8	100.2





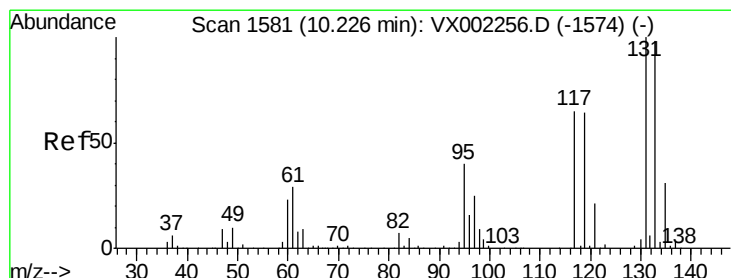
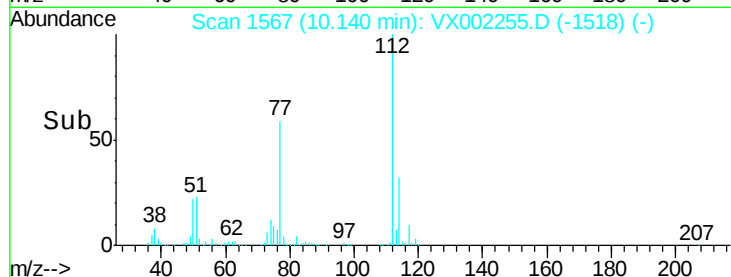
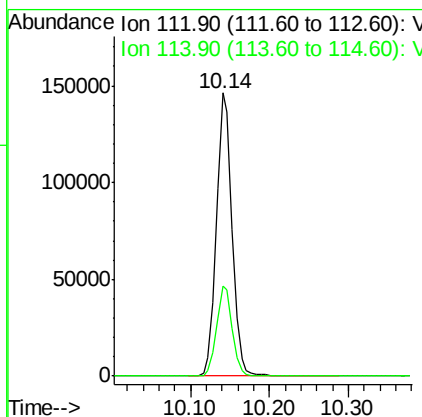
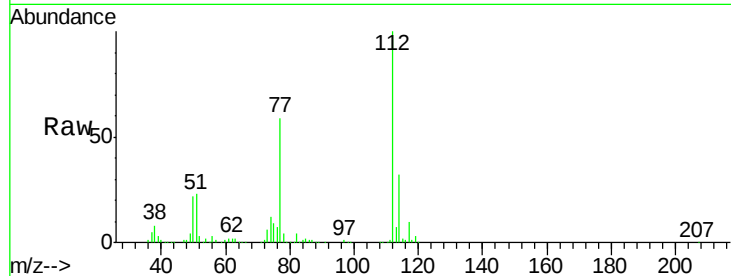
#65
Chlorobenzene
Concen: 20.13 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

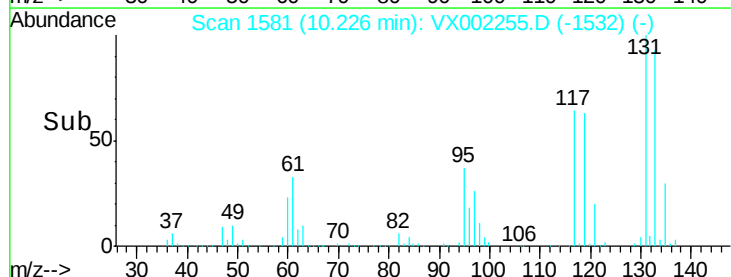
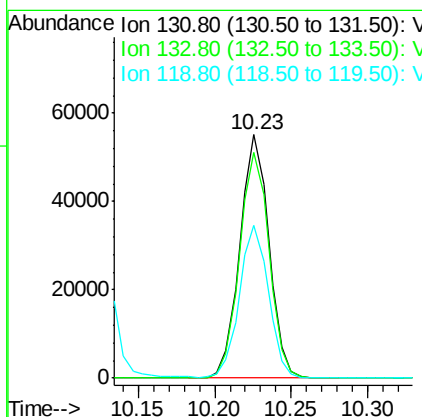
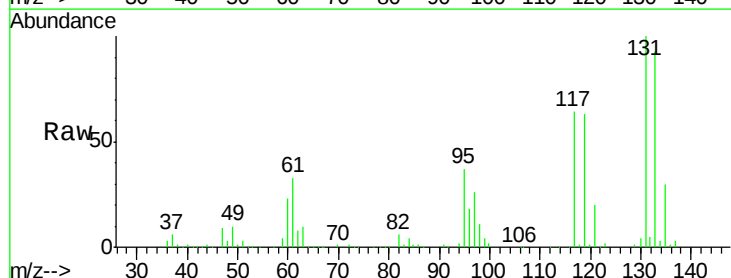
Manual Integrations
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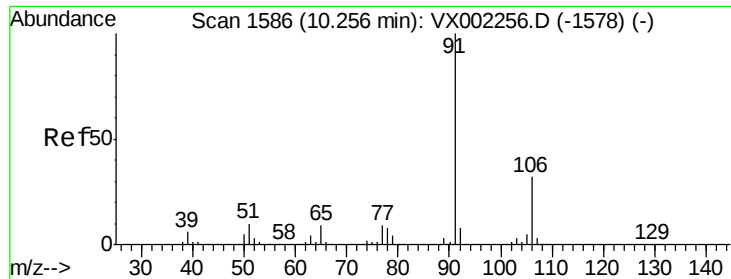
MMDadoda
6/5/2018 5:56:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.01 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.6
119	63.3	31.8	95.3





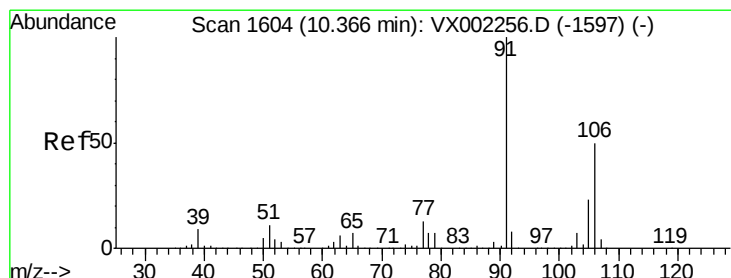
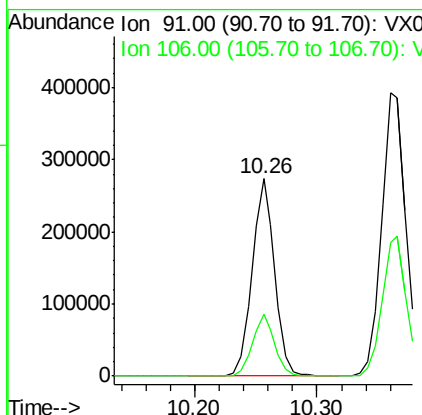
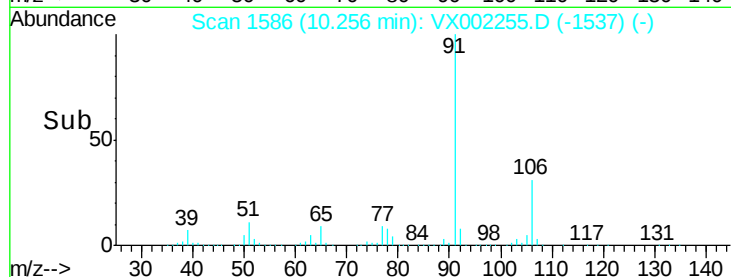
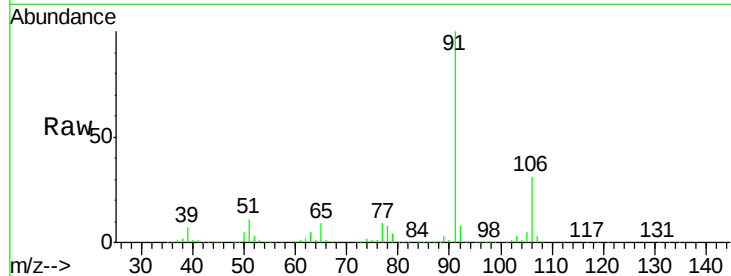
#67
Ethyl Benzene
Concen: 20.86 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 350245
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

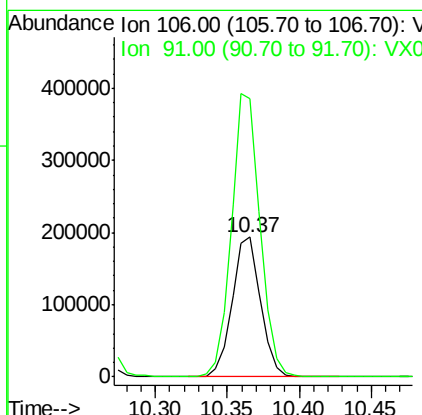
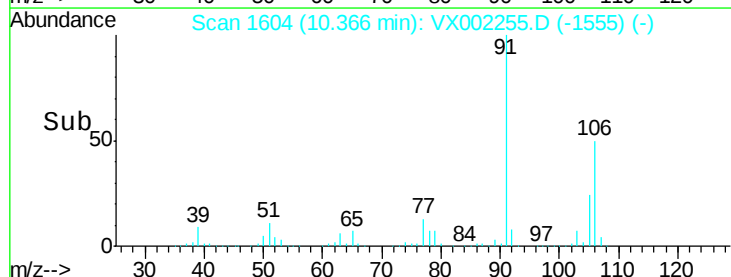
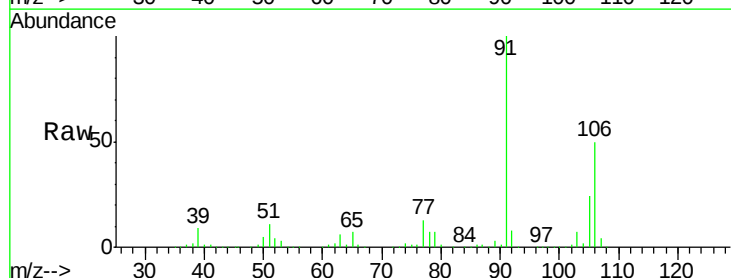
Manual Integrations
APPROVED

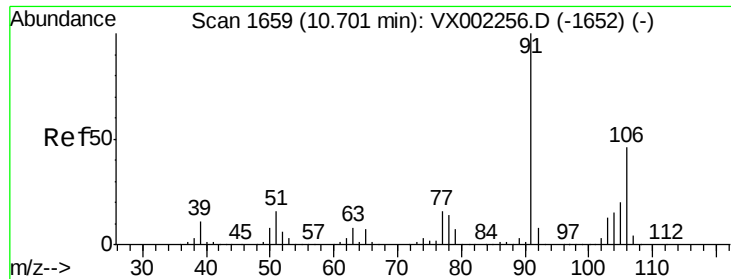
MMDadoda
6/5/2018 5:56:02 PM



#68
m/p-Xylenes
Concen: 40.93 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion: 106 Resp: 267130
Ion Ratio Lower Upper
106 100
91 204.7 163.4 245.2





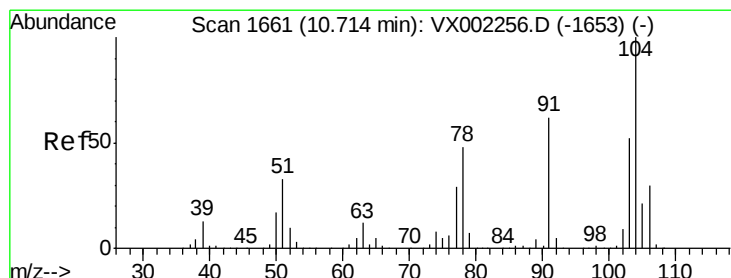
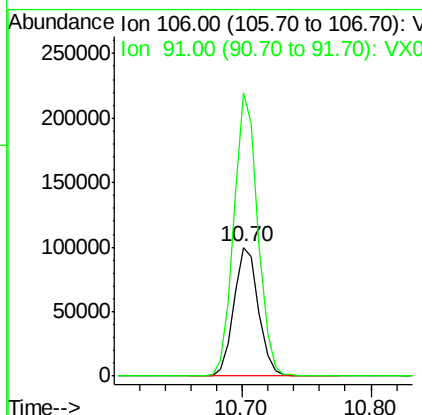
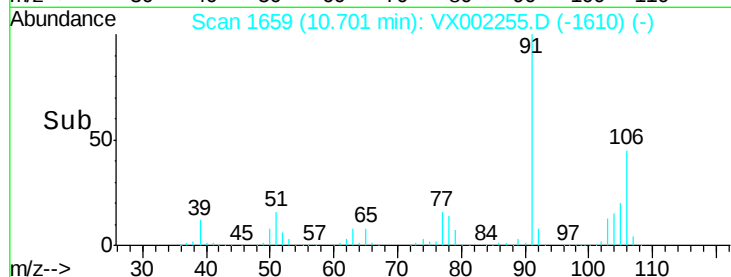
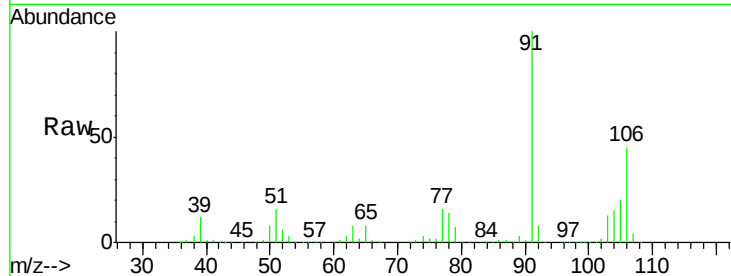
#69
o-Xylene
Concen: 20.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 132454
Ion Ratio Lower Upper
106 100
91 215.1 108.2 324.6

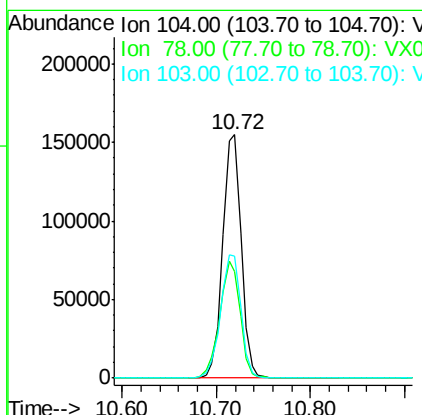
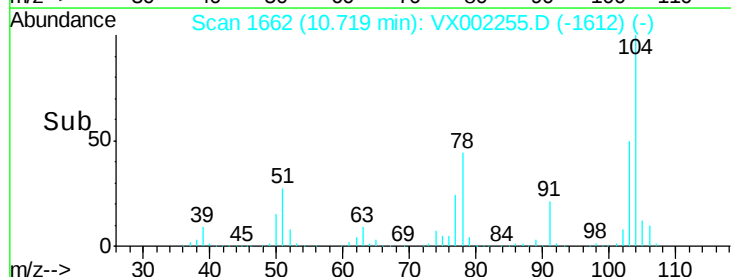
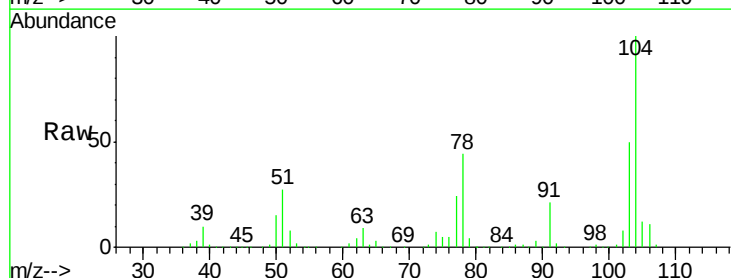
Manual Integrations
APPROVED

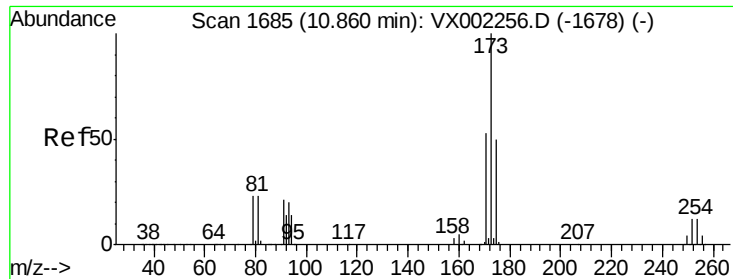
MMDadoda
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#70
Styrene
Concen: 19.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion:104 Resp: 212224
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.6
103 55.6 44.2 66.4





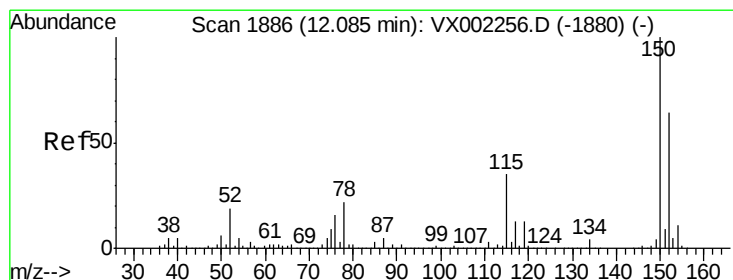
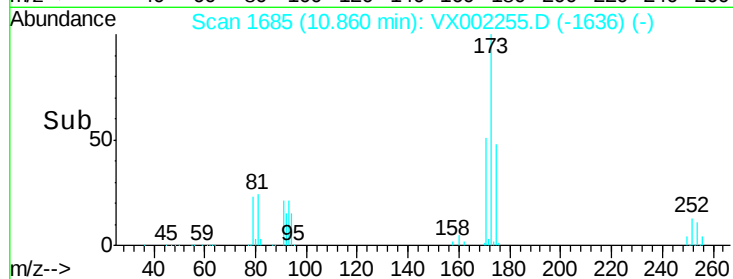
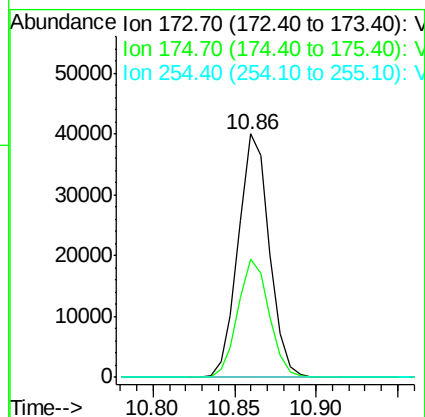
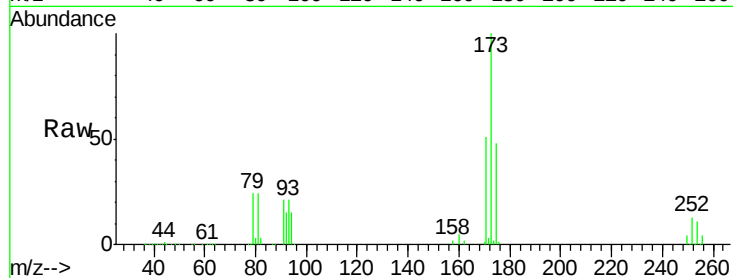
#71
Bromoform
Concen: 18.45 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.2	0.2	0.2

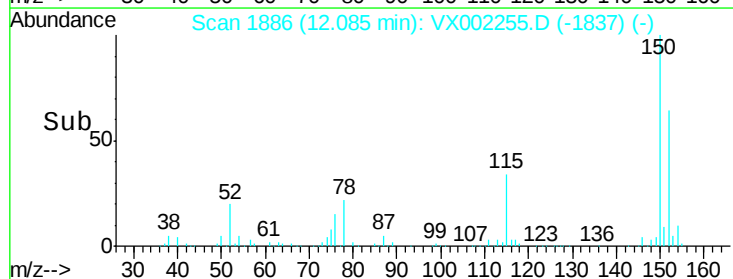
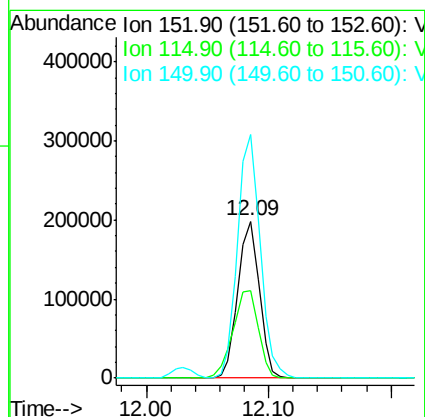
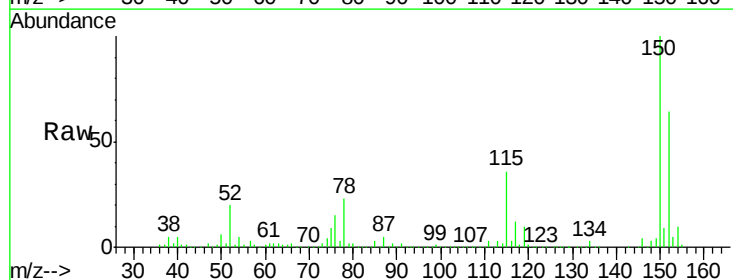
Manual Integrations
APPROVED

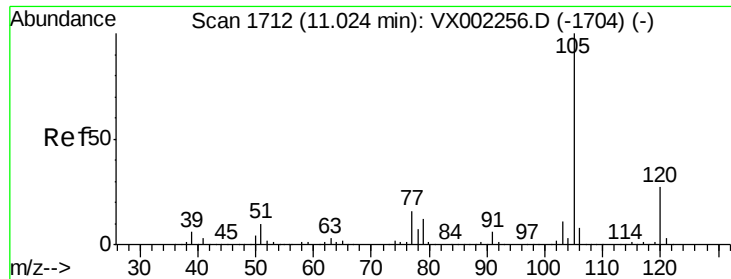
MMDadoda
6/5/2018 5:56:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.3	40.1	120.2
150	164.1	0.0	347.2





#73

Isopropylbenzene

Concen: 21.53 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 359755

Ion Ratio Lower Upper

105 100

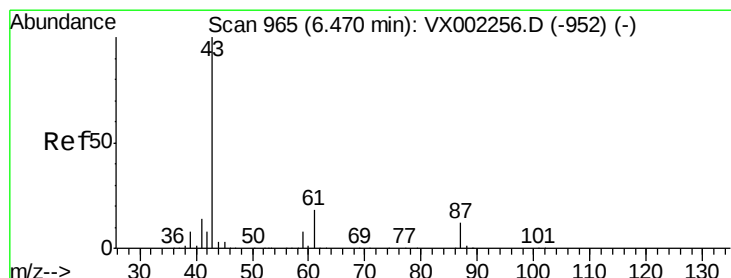
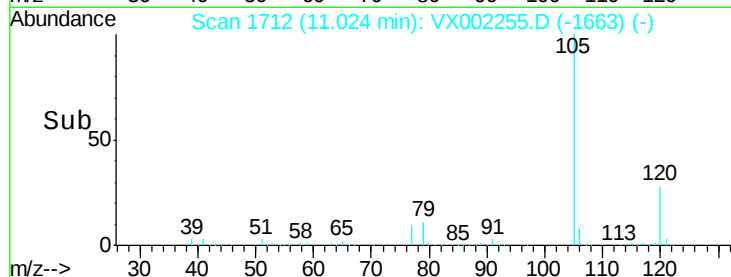
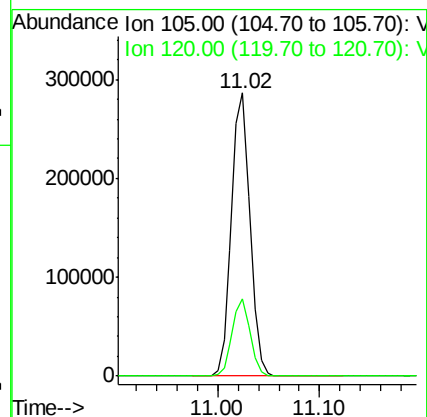
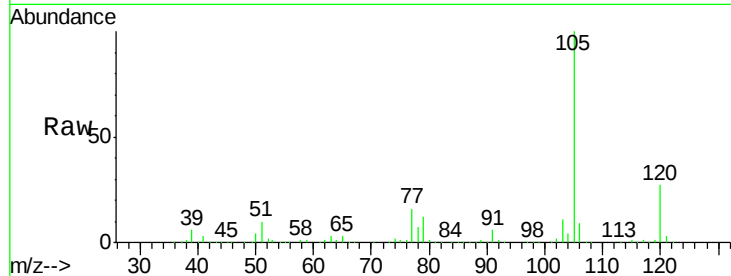
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.06 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion: 43 Resp: 180662

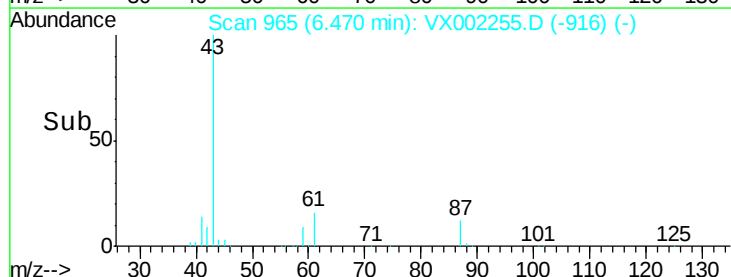
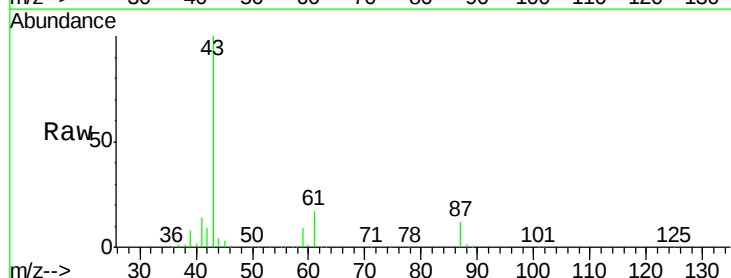
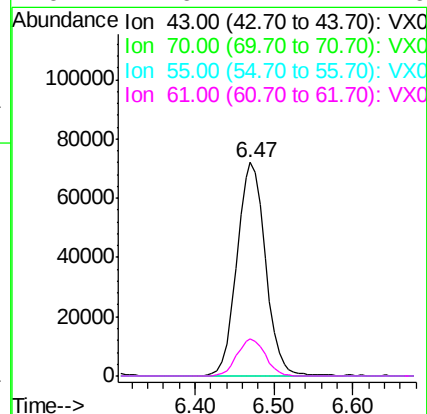
Ion Ratio Lower Upper

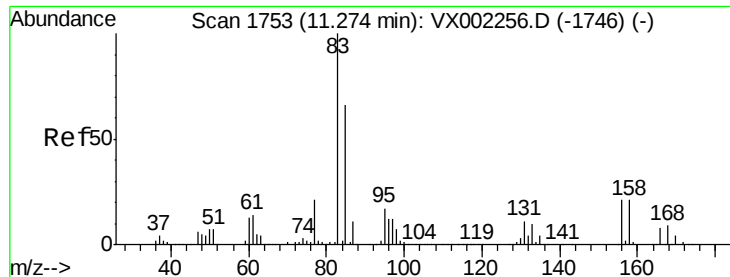
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

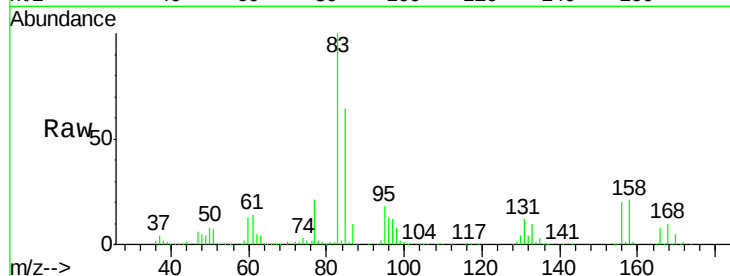
ClientSampled :

VSTDIC020

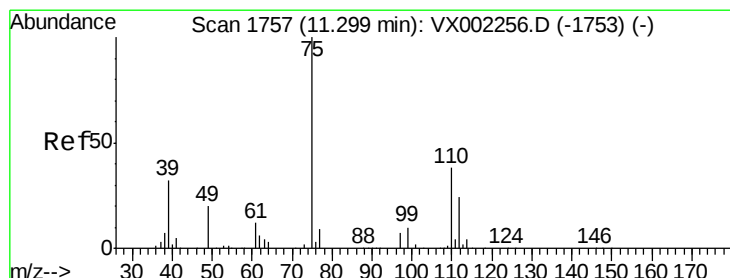
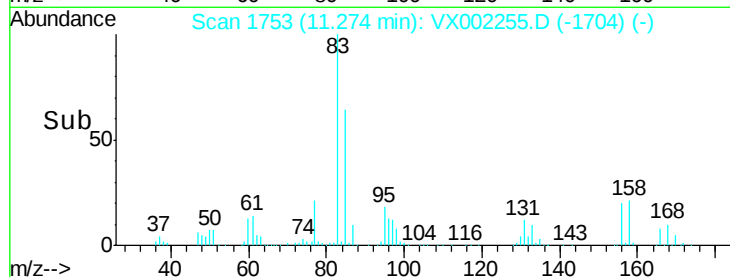
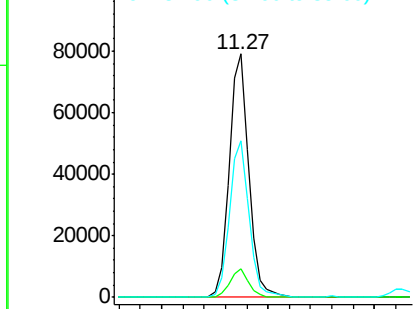
Tot Ion:	83	Resp:	101586
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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6/5/2018 5:56:02 PM



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



#76

1,2,3-Trichloropropane

Concen: 21.89 ug/l m

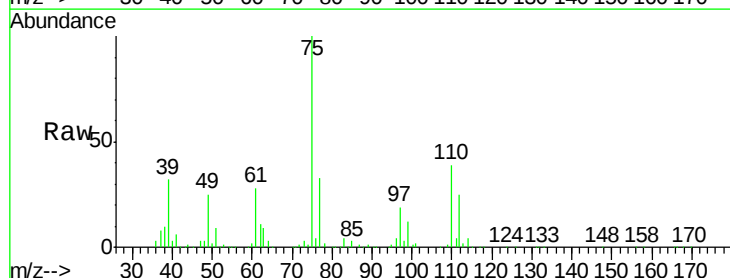
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

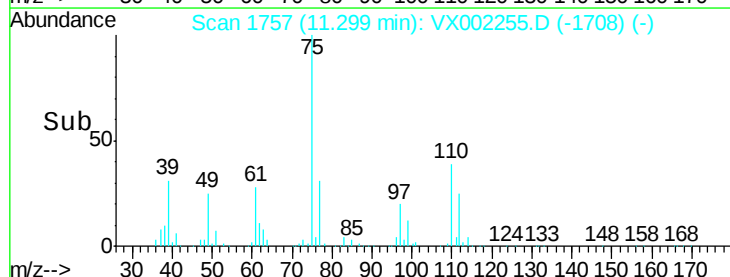
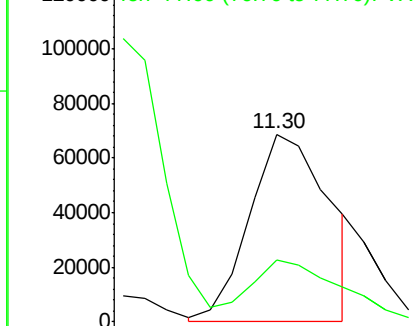
Lab File: VX002255.D

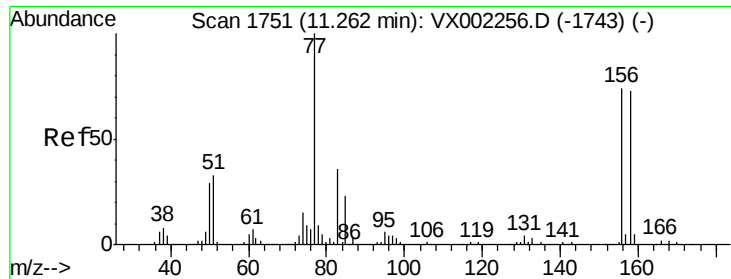
Acq: 04 Jun 2018 10:59

Tgt Ion:	75	Resp:	105494
Ion Ratio	Lower	Upper	
75	100		
77	38.0	22.8	68.3



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





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

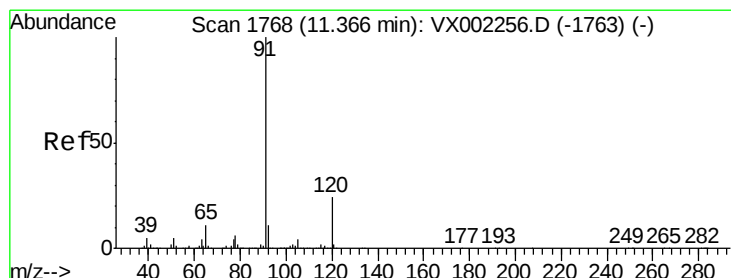
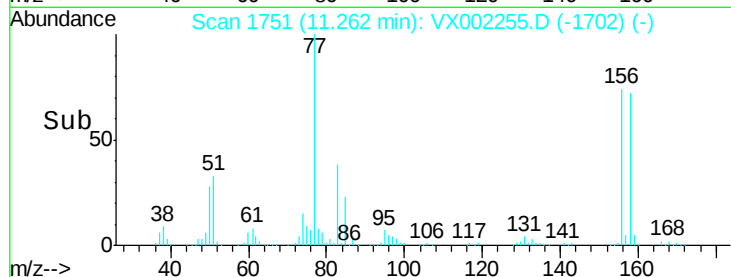
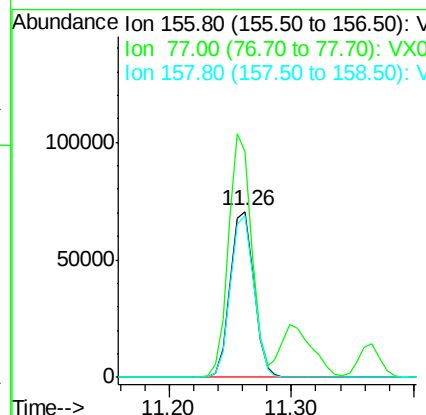
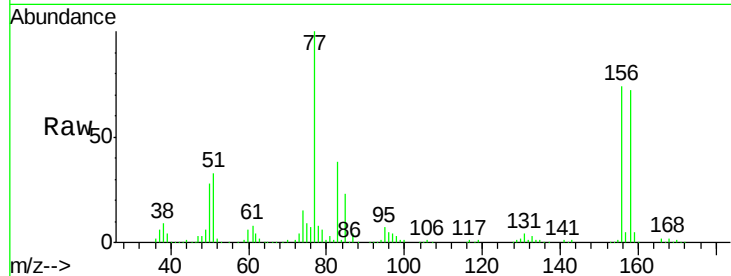
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	143.3	71.4	214.2	
158	96.6	48.9	146.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.80 ug/l

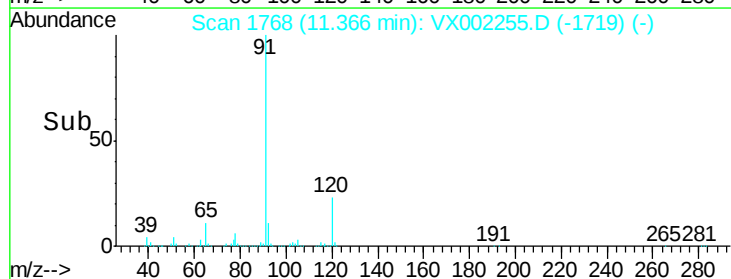
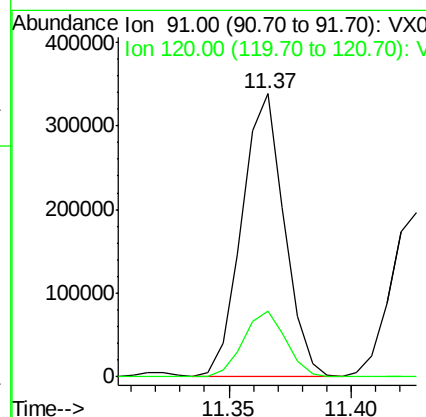
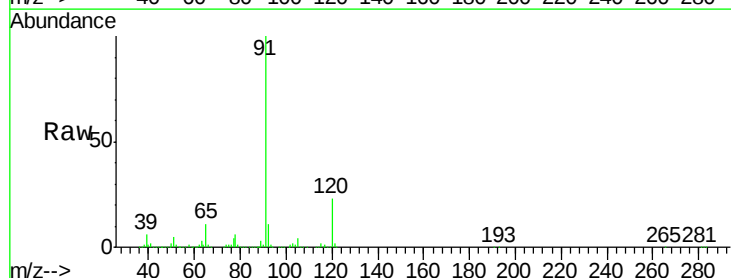
RT: 11.37 min Scan# 1768

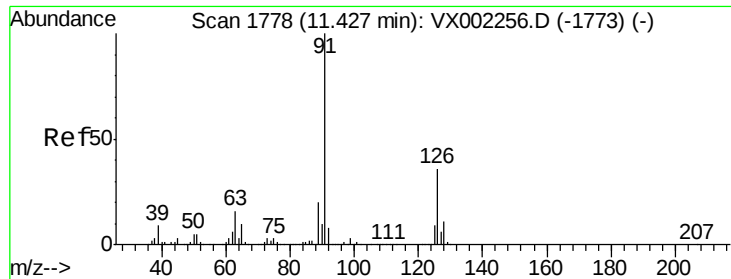
Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.8	35.4	





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 241233

Ion Ratio Lower Upper

91 100

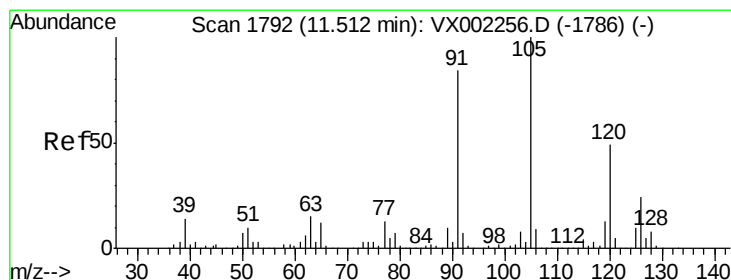
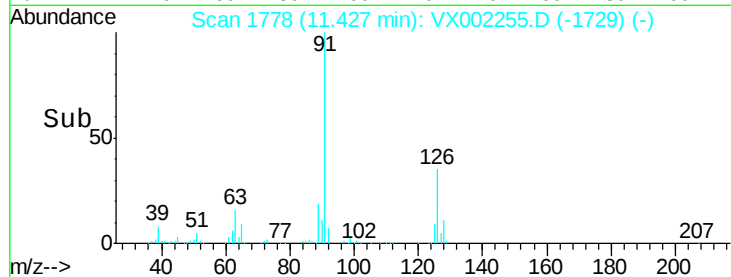
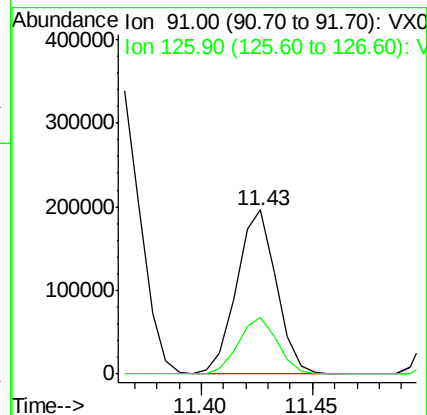
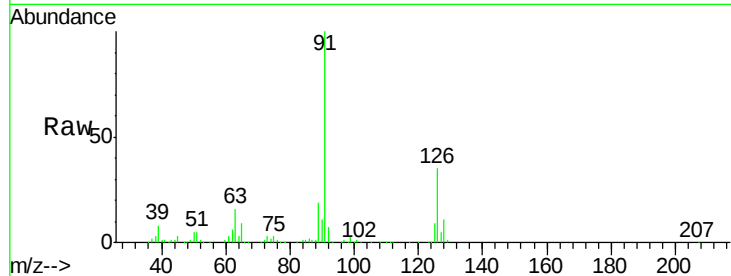
126 34.8 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.85 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002255.D

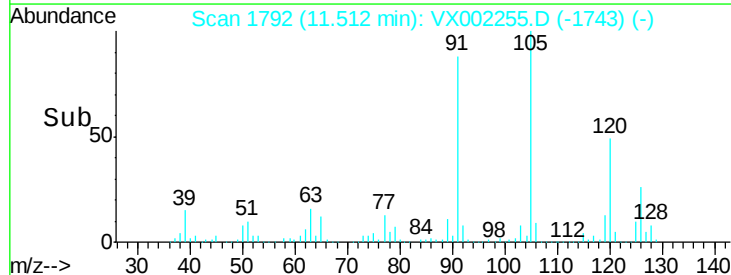
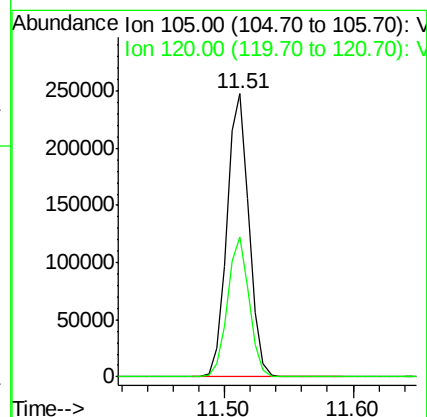
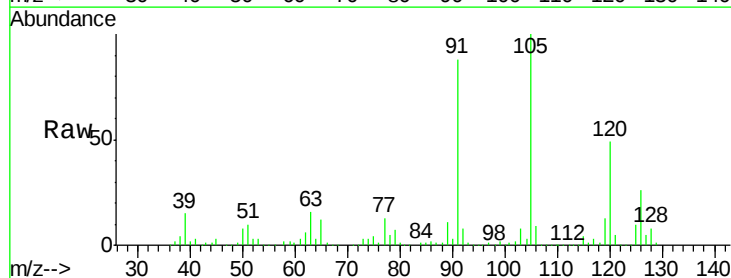
Acq: 04 Jun 2018 10:59

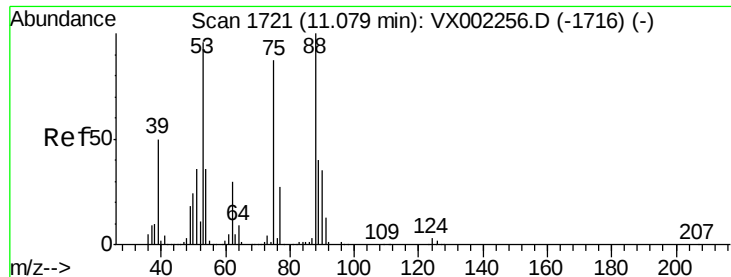
Tgt Ion: 105 Resp: 298903

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4





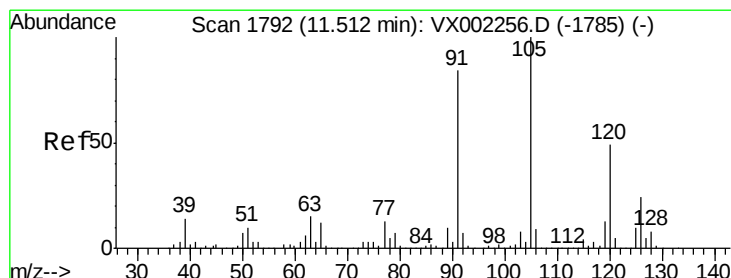
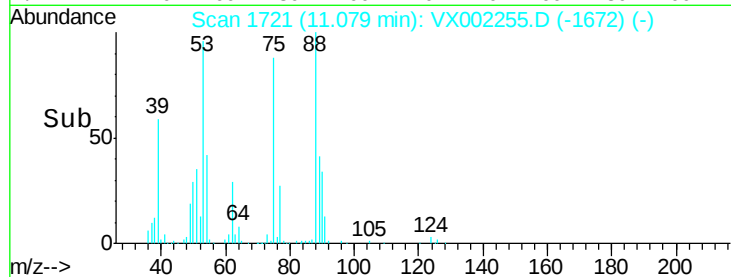
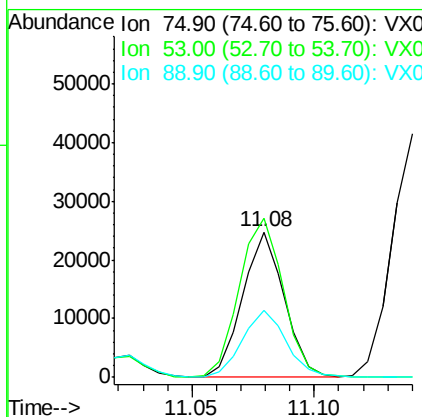
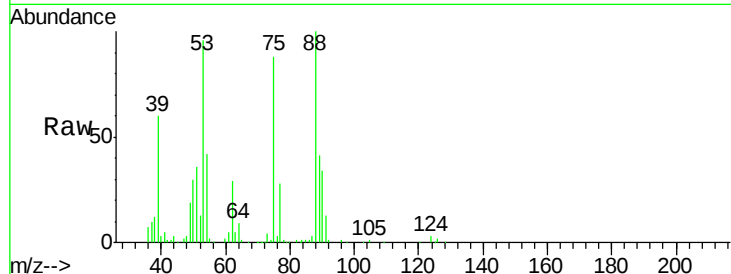
#81
trans-1,4-Dichloro-2-butene
Concen: 19.18 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.4	86.8	130.2
89	49.8	38.2	57.2

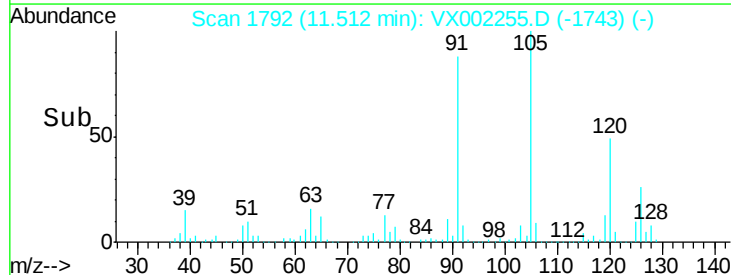
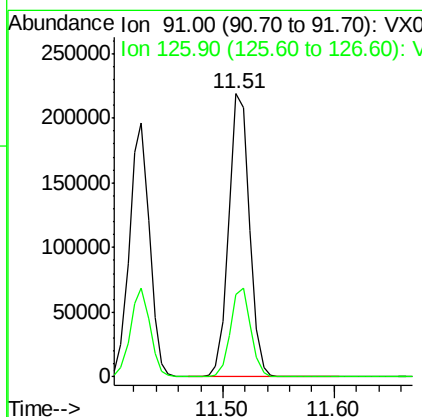
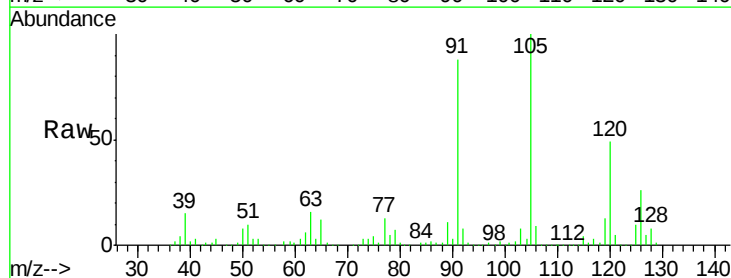
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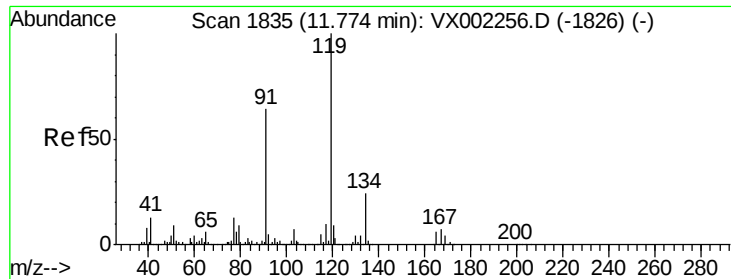
MMDadoda
6/5/2018 5:56:02 PM



#82
4-Chlorotoluene
Concen: 20.82 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.4





#83

tert-Butylbenzene

Concen: 21.06 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

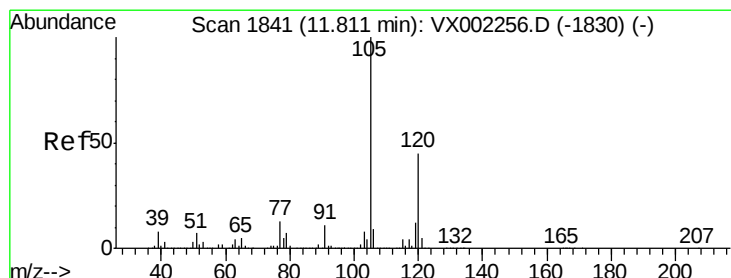
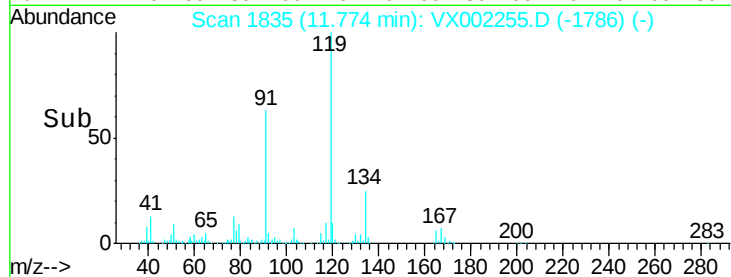
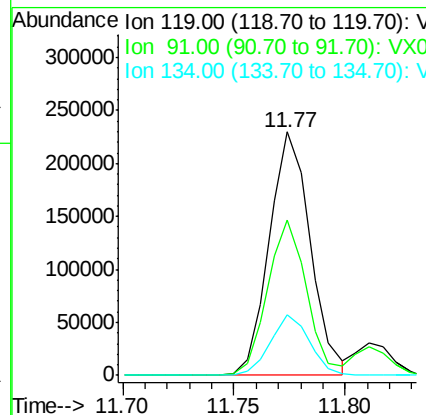
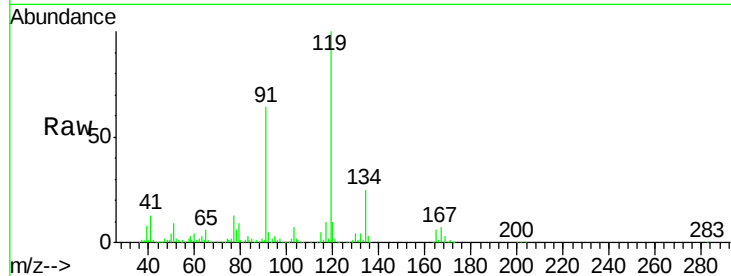
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	294043
Ion Ratio	Lower	Upper	
119	100		
91	61.1	30.3	90.9
134	23.8	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.76 ug/l

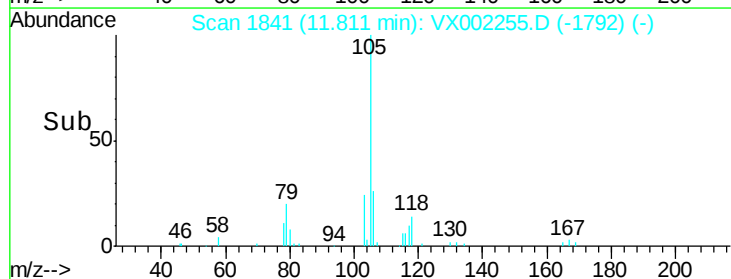
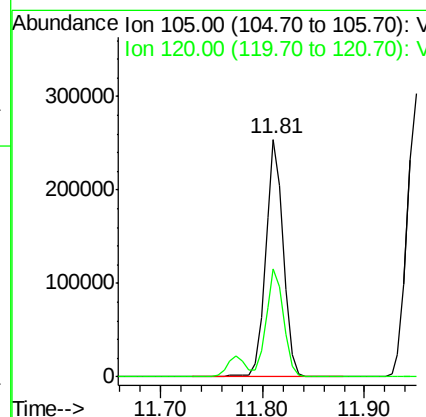
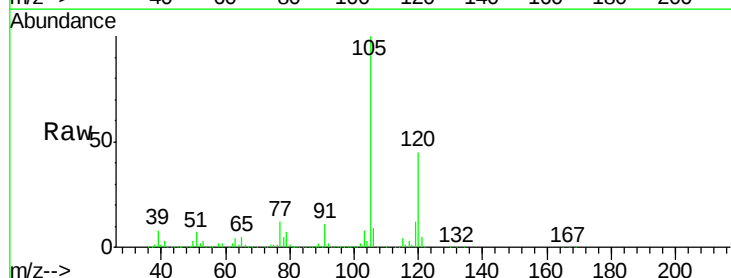
RT: 11.81 min Scan# 1841

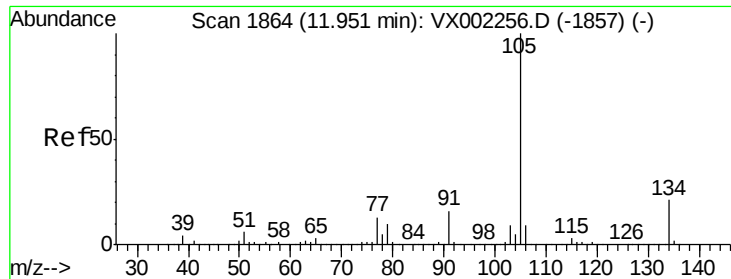
Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Tgt Ion:	105	Resp:	306334
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 22.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 363159

Ion Ratio Lower Upper

105 100

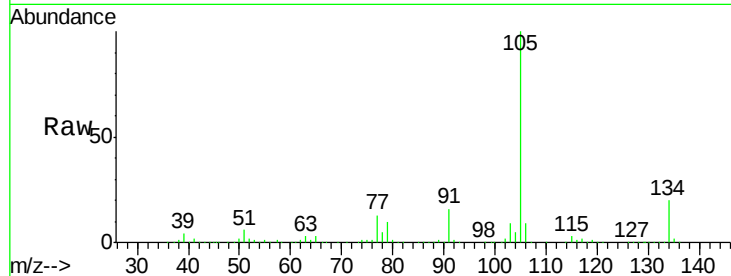
134 20.5 10.4 31.1

Manual Integrations

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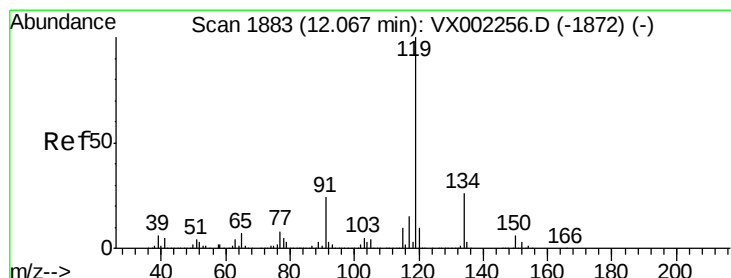
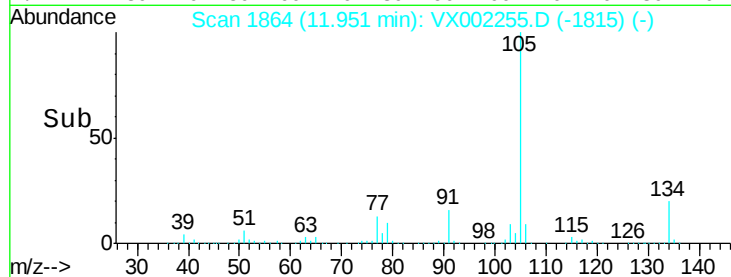
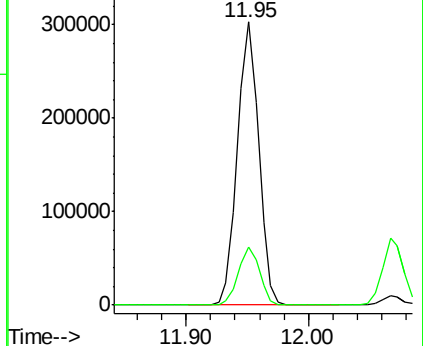
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.85 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002255.D

Acq: 04 Jun 2018 10:59

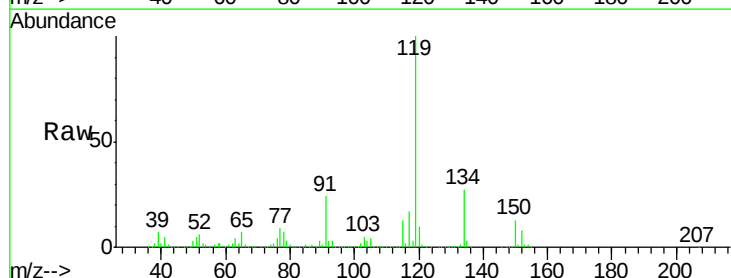
Tgt Ion:119 Resp: 325645

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

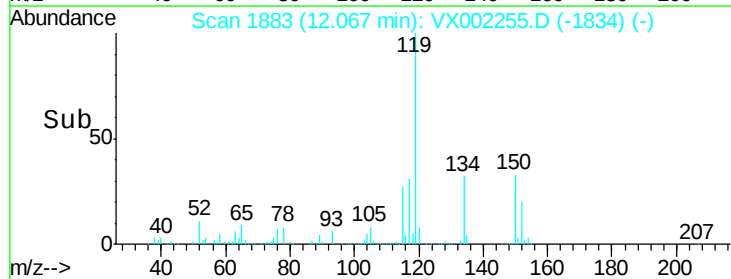
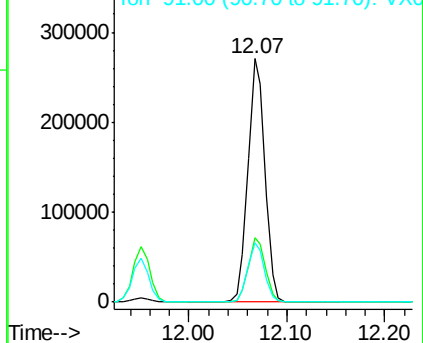
91 23.9 11.9 35.7

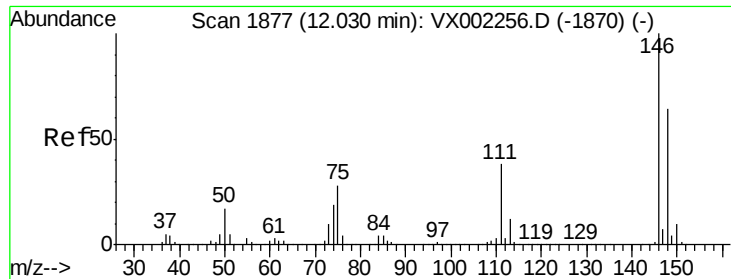


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





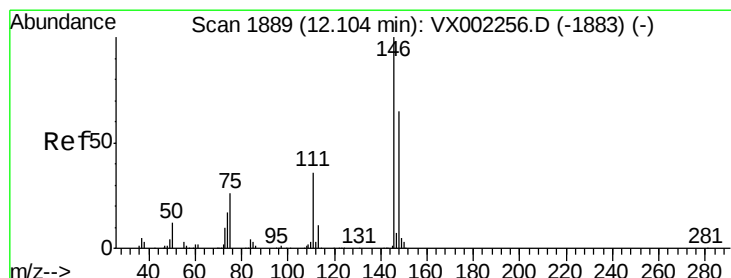
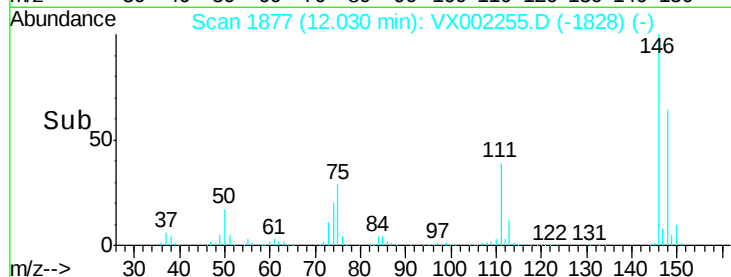
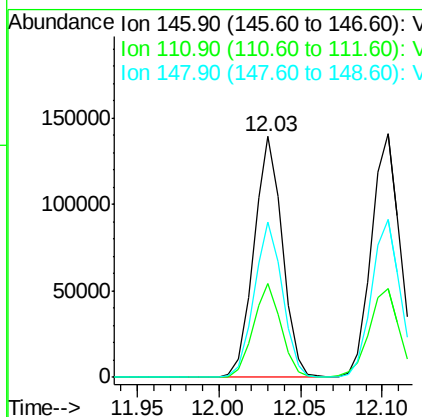
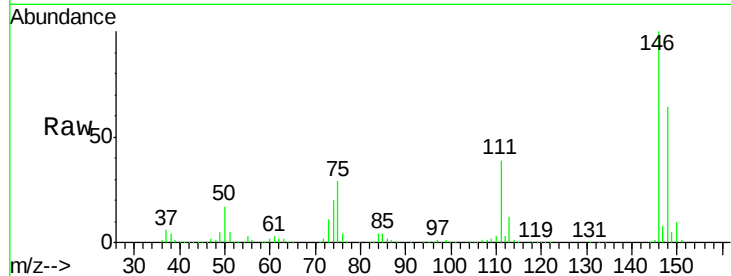
#87
 1,3-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168918		
111	38.1	18.9	56.7	
148	64.3	32.1	96.3	

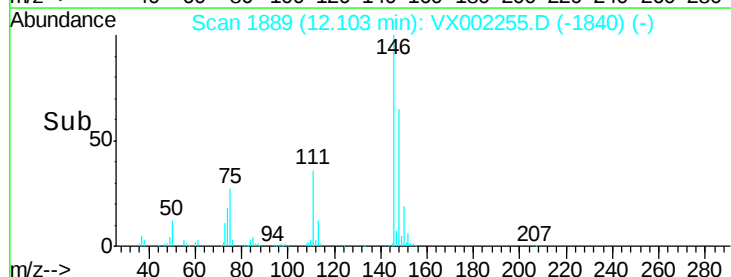
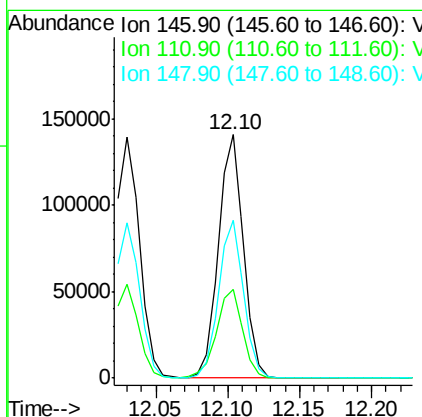
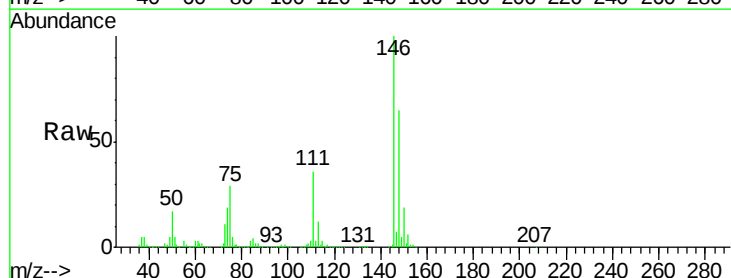
Manual Integrations
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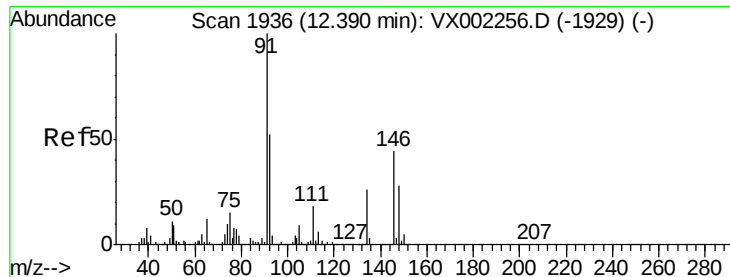
MMDadoda
 6/5/2018 5:56:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	171390		
111	38.5	18.7	56.1	
148	64.7	32.4	97.0	





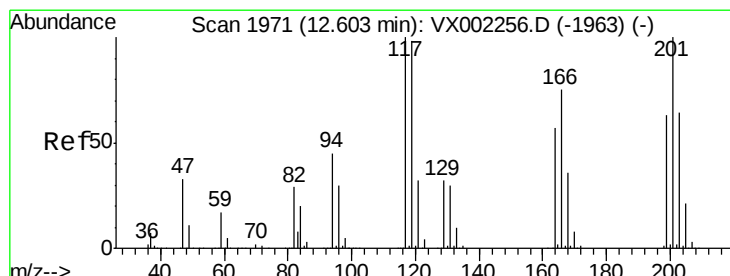
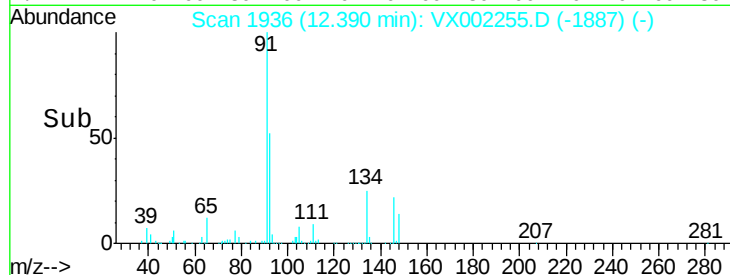
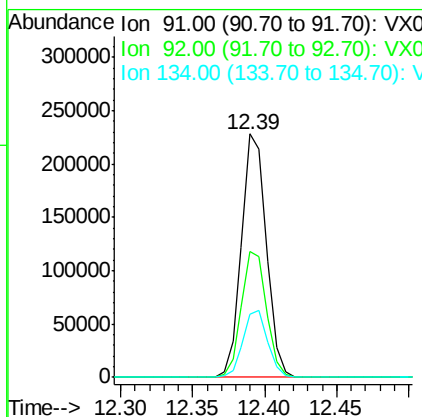
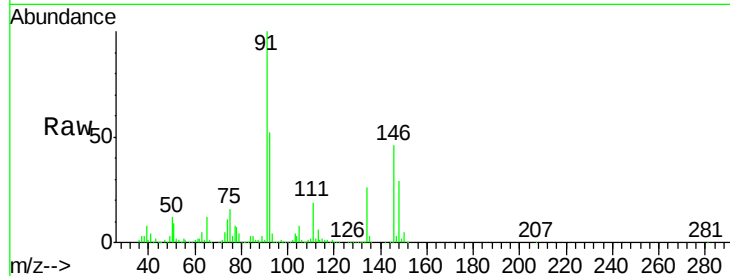
#89
n-Butylbenzene
Concen: 21.79 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.3	26.0	78.0	
134	27.4	13.5	40.5	

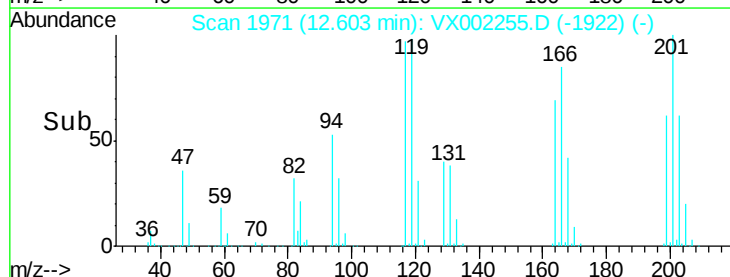
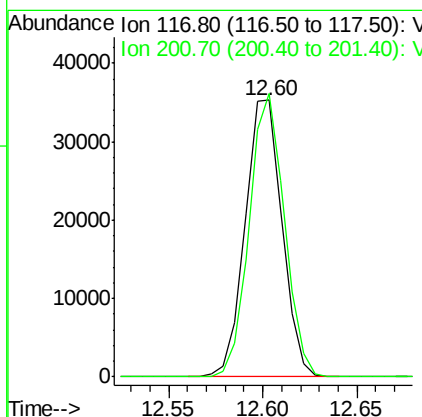
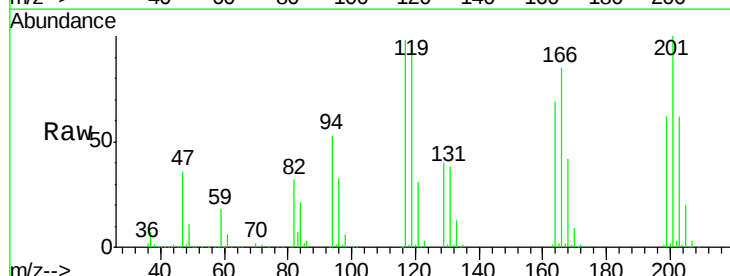
Manual Integrations
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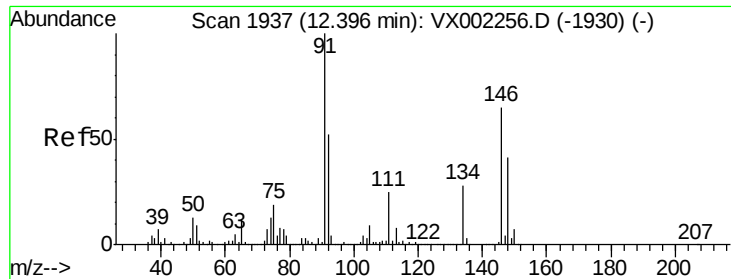
MMDadoda
6/5/2018 5:56:02 PM



#90
Hexachloroethane
Concen: 20.19 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	96.9	49.0	147.0	





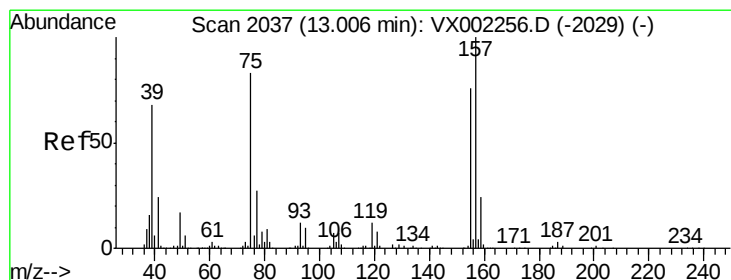
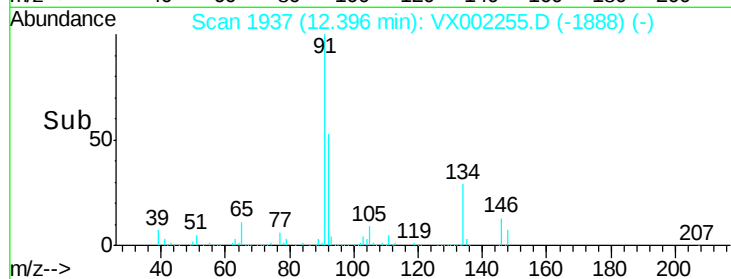
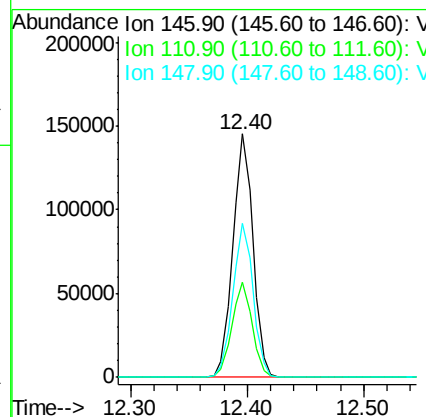
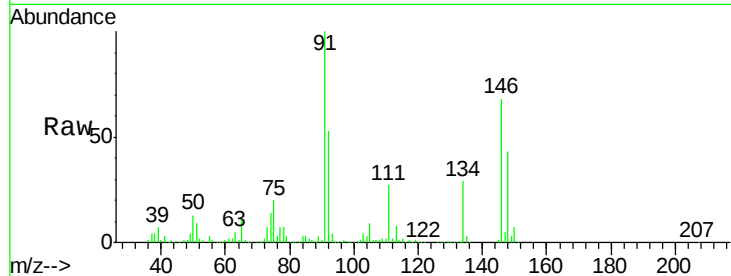
#91
1,2-Dichlorobenzene
Concen: 20.11 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174588		
111	39.1	19.4	58.1	
148	63.7	31.7	95.1	

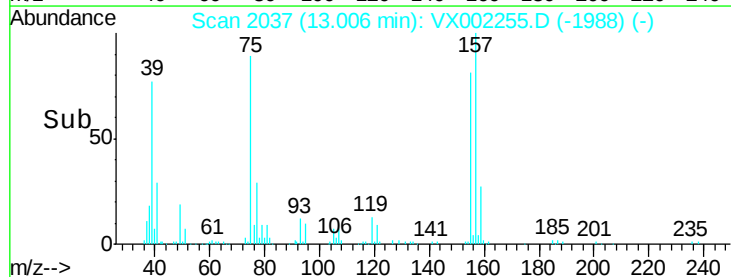
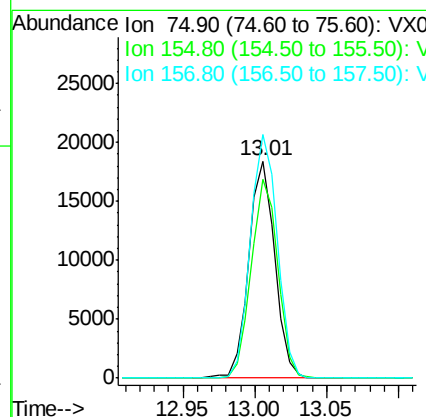
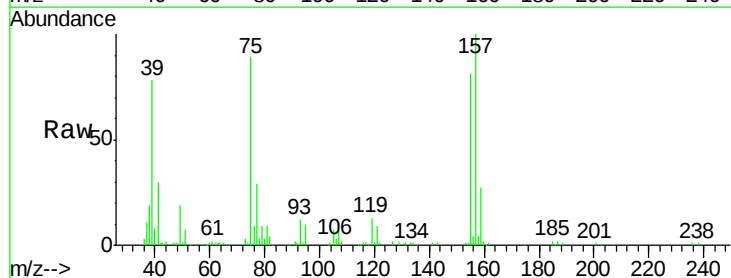
Manual Integrations
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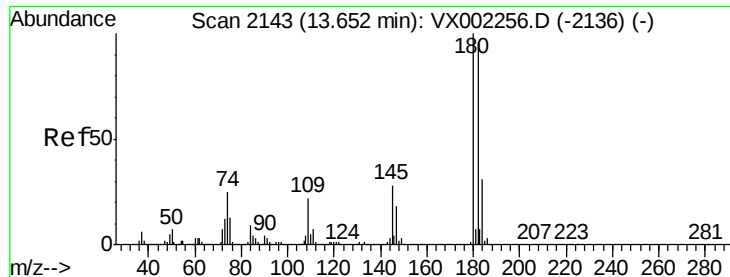
MMDadoda
6/5/2018 5:56:02 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.02 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23010		
155	92.7	45.8	137.4	
157	115.1	60.1	180.3	





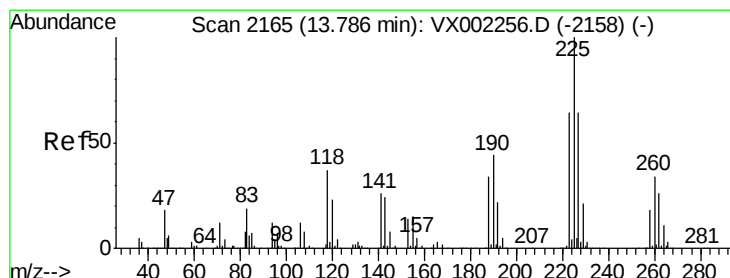
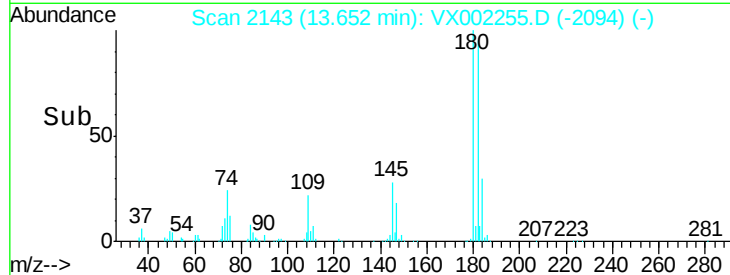
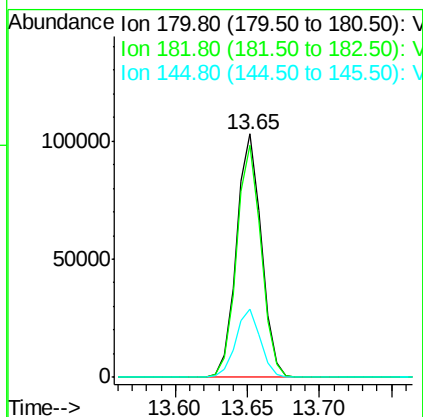
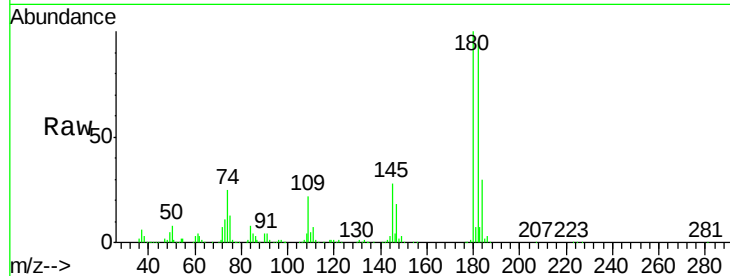
#93
 1,2,4-Trichlorobenzene
 Concen: 20.29 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123525		
182	94.4	47.7	143.1	
145	28.1	14.1	42.4	

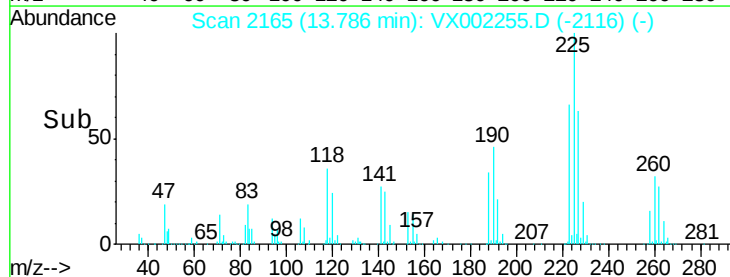
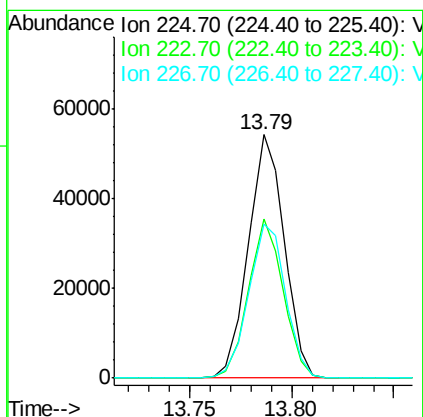
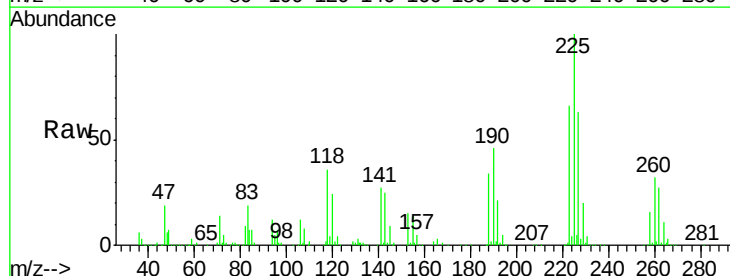
Manual Integrations
 APPROVED

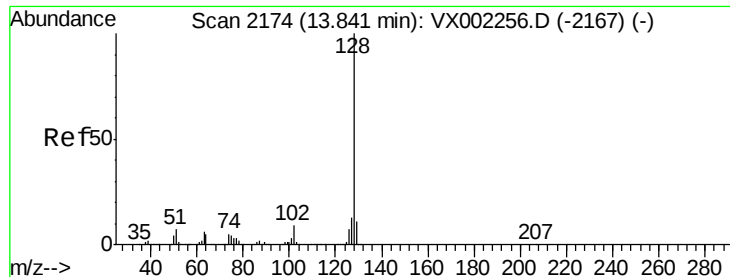
MMDadoda
 6/5/2018 5:56:02 PM



#94
 Hexachlorobutadiene
 Concen: 22.09 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002255.D
 Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66448		
223	63.5	31.6	95.0	
227	65.0	32.4	97.2	





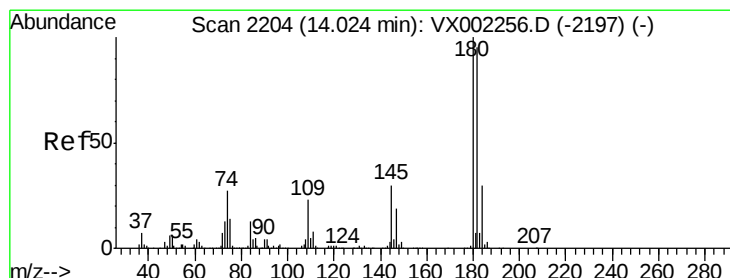
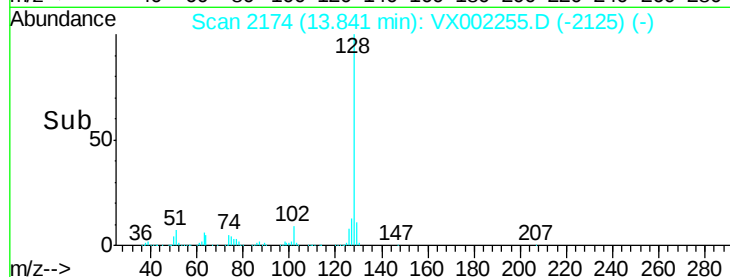
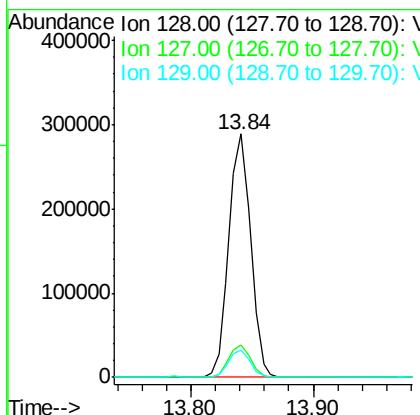
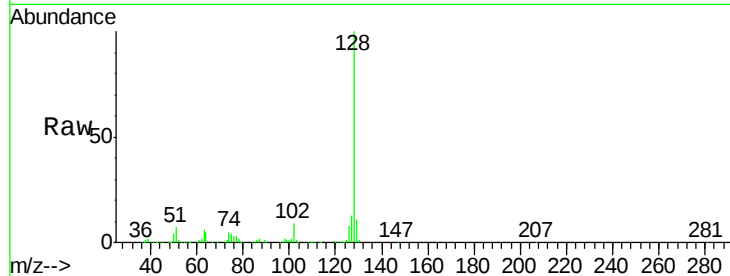
#95
Naphthalene
Concen: 20.33 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.45 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002255.D
Acq: 04 Jun 2018 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	30.0	14.8	44.3

