

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001313.D
 Acq On : 02 May 2018 12:27
 Operator : JC/MD
 Sample : VX0502WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:16 PM

Quant Time: May 03 05:13:34 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33765	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	177665	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	166088	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	71323	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.14	95	78005	28.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.43%
63) Toluene-d8	8.72	98	215086	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	41112	18.57	ug/l	99
3) Chloromethane	1.32	50	39775	19.25	ug/l	96
4) Vinyl Chloride	1.40	62	42983	19.83	ug/l	97
5) Bromomethane	1.64	94	31123	19.01	ug/l	99
6) Chloroethane	1.73	64	27921	21.06	ug/l	96
7) Trichlorofluoromethane	1.93	101	73718	20.48	ug/l	96
8) Diethyl Ether	2.19	74	26346	21.08	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41350	20.25	ug/l	93
10) 1,1-Dichloroethene	2.37	96	36948	19.98	ug/l	91
11) Methyl Iodide	2.51	142	56675	25.19	ug/l	95
12) Methyl Acetate	2.78	43	60767	24.99	ug/l	98
13) Acrolein	2.30	56	20866	71.95	ug/l	99
14) Acrylonitrile	3.15	53	113869	117.66	ug/l	97
15) Acetone	2.45	58	34050	113.08	ug/l	90
16) Carbon Disulfide	2.57	76	85712	17.42	ug/l	100
17) Allyl chloride	2.73	41	66809	20.36	ug/l	95
18) Methylene Chloride	2.86	84	42462	21.06	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	40480	20.30	ug/l	97
20) Diisopropyl ether	3.88	45	118616	18.36	ug/l	99
21) 1,1-Dichloroethane	3.70	63	66398	19.13	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	42220	18.96	ug/l	98
23) tert-Butyl Alcohol	3.08	59	52329	132.31	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	135084	21.30	ug/l	95
25) Chloroform	5.23	83	72321	19.14	ug/l	95
26) Cyclohexane	5.57	56	55734	17.66	ug/l #	96
29) 1,1-Dichloropropene	5.81	75	50024	19.01	ug/l	99
30) 2-Butanone	4.72	43	151487	112.31	ug/l	98
31) 2,2-Dichloropropane	4.59	77	52031	18.11	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	61648	19.36	ug/l	98
33) Carbon Tetrachloride	5.79	117	53611	18.68	ug/l	93
34) Benzene	6.15	78	153921	19.73	ug/l	94
35) Methacrylonitrile	5.07	41	32277	21.56	ug/l	93
36) 1,2-Dichloroethane	6.21	62	59246	19.79	ug/l	99
37) Trichloroethene	7.22	130	47186	19.95	ug/l	94
38) Methylcyclohexane	7.46	83	58205	18.79	ug/l	96
39) 1,2-Dichloropropane	7.53	63	38848	19.64	ug/l	99
40) Dibromomethane	7.67	93	28531	20.50	ug/l	88

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Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:16 PM

Quant Time: May 03 05:13:34 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.91	83	49731	18.92	ug/l #	95
42) Vinyl Acetate	3.83	43	512256	96.55	ug/l	98
43) Ethyl Acetate	4.87	43	57185	22.01	ug/l	97
44) Isopropyl Acetate	6.48	43	88078	19.93	ug/l	98
45) 1,4-Dioxane	7.76	88	20557	511.69	ug/l	99
46) Methyl methacrylate	7.79	41	47230	20.54	ug/l	88
47) n-amyl Acetate	10.90	43	80741	19.04	ug/l	100
48) t-1,3-Dichloropropene	8.45	75	58157	18.79	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	51010	17.21	ug/l	92
50) 1,1,2-Trichloroethane	9.22	97	42948	20.78	ug/l	97
51) Ethyl methacrylate	9.19	69	57627	19.57	ug/l	91
52) 1,3-Dichloropropane	9.38	76	68254	20.43	ug/l	99
53) Dibromochloromethane	9.59	129	42191	18.50	ug/l	99
54) 1,2-Dibromoethane	9.68	107	44204	19.98	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	148524	102.96	ug/l	100
56) Bromoform	10.87	173	33747	18.08	ug/l #	98
58) 4-Methyl-2-Pentanone	8.66	43	305536	110.84	ug/l	99
59) 2-Hexanone	9.51	43	233396	108.67	ug/l	97
61) Tetrachloroethene	9.34	164	57884	22.74	ug/l	88
62) Toluene	8.79	91	174872	19.59	ug/l	99
64) Chlorobenzene	10.15	112	117258	19.47	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	41997	19.10	ug/l	96
66) Ethyl Benzene	10.26	91	190372	19.11	ug/l	99
67) m/p-Xylenes	10.37	106	153548	38.80	ug/l	97
68) o-Xylene	10.71	106	73547	19.23	ug/l	99
69) Styrene	10.72	104	120299	18.89	ug/l	99
70) Isopropylbenzene	11.02	105	199331	19.19	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	60731	19.93	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	58497m	21.45	ug/l	
73) Bromobenzene	11.26	156	58965	19.53	ug/l	92
74) n-propylbenzene	11.37	91	221681	18.89	ug/l	100
75) 2-Chlorotoluene	11.43	91	134216	18.95	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	168631	19.05	ug/l	67
77) t-1,4-Dichloro-2-butene	11.08	75	12897	15.90	ug/l	85
78) 4-Chlorotoluene	11.52	91	155660	18.43	ug/l	99
79) tert-butylbenzene	12.07	119	180577	19.07	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	174689	19.39	ug/l	99
81) sec-Butylbenzene	11.95	105	200315	19.49	ug/l	99
82) p-Isopropyltoluene	12.07	119	180577	19.07	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	103352	18.78	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	103679	18.48	ug/l	98
85) n-Butylbenzene	12.39	91	149864	18.30	ug/l	99
86) Hexachloroethane	12.60	117	23882	16.50	ug/l	69
87) 1,2-Dichlorobenzene	12.40	146	106907	19.53	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	12461	19.57	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	77255	18.63	ug/l	97
90) Hexachlorobutadiene	13.79	225	40866	21.23	ug/l	98
91) Naphthalene	13.84	128	217886	20.25	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	80281	19.61	ug/l	96

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

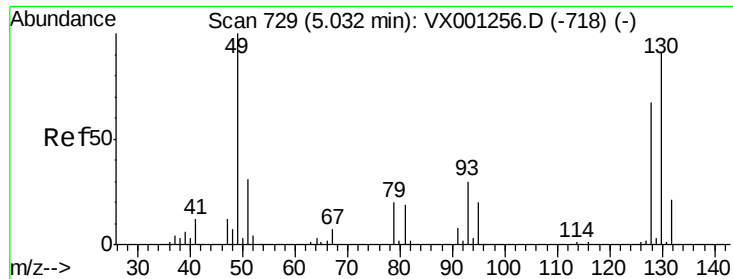
Manual Integrations
APPROVED

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5/3/2018 12:21:16 PM

Quant Time: May 03 05:13:34 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 01 09:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

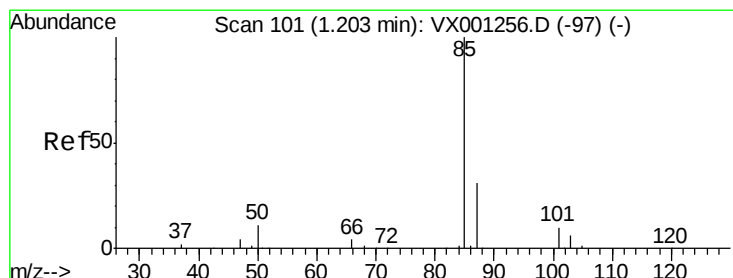
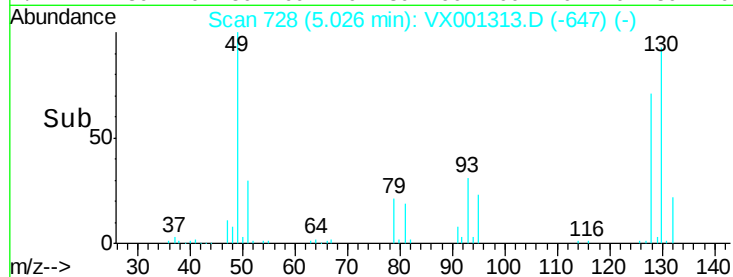
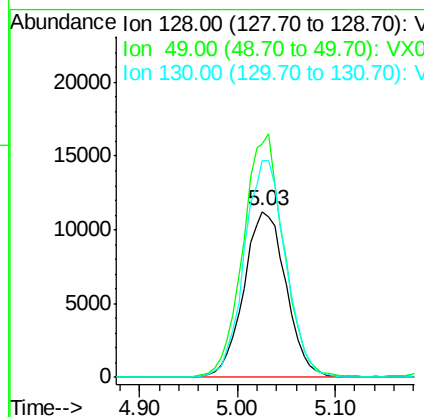
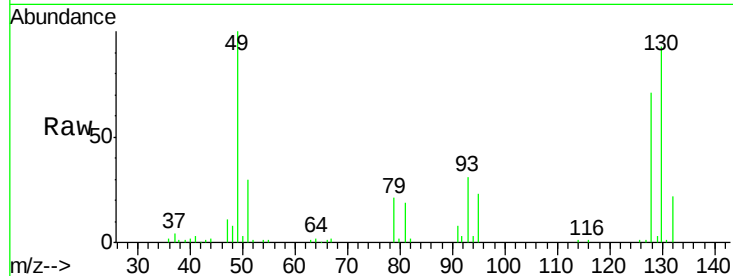
ClientSampleId :

VX0502WBS03

Tot Ion:	128	Resp:	33765
Ion	Ratio	Lower	Upper
128	100		
49	142.6	0.0	378.3
130	128.5	0.0	324.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.57 ug/l

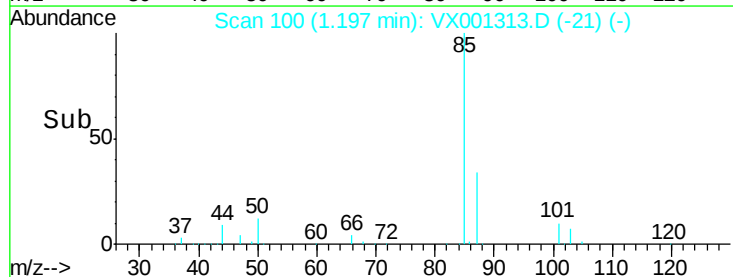
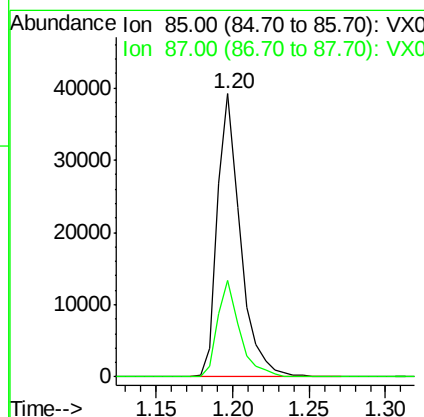
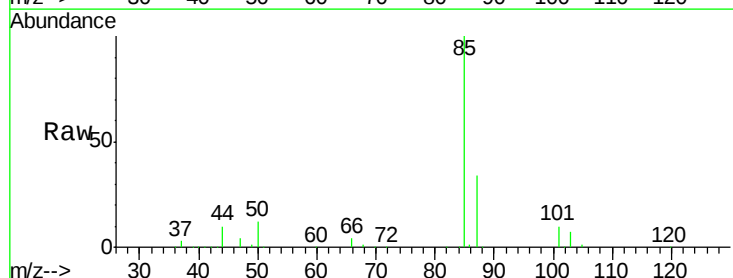
RT: 1.20 min Scan# 100

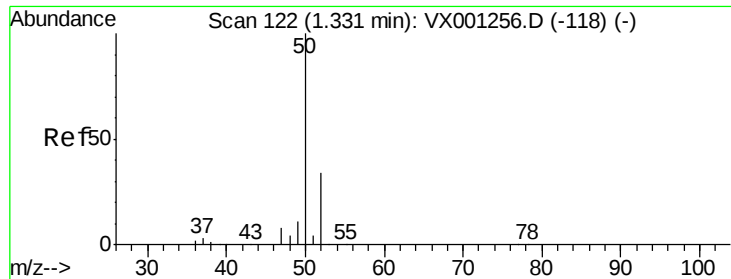
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	85	Resp:	41112
Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7





#3

Chloromethane

Concen: 19.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion: 50 Resp: 39775

Ion Ratio Lower Upper

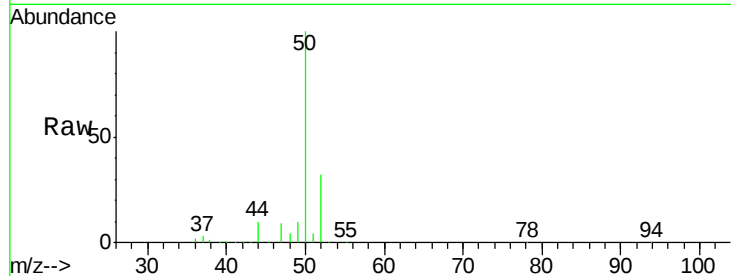
50 100

52 32.1 27.8 41.6

Manual Integrations
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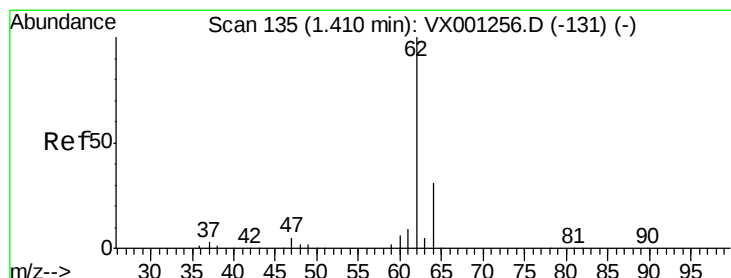
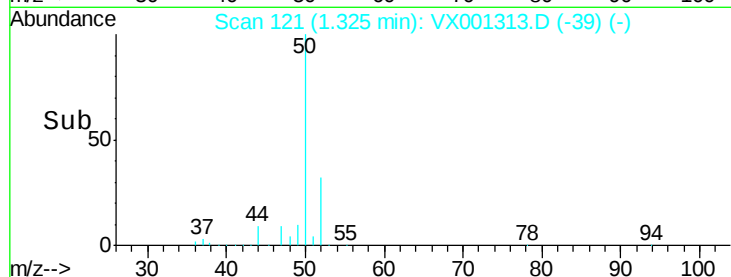
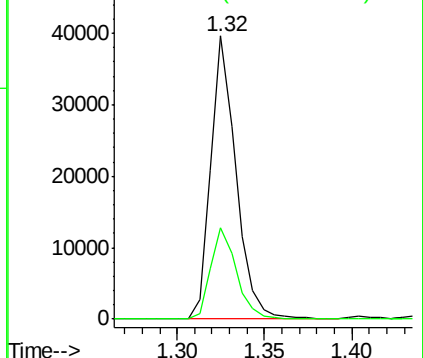
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001313.D

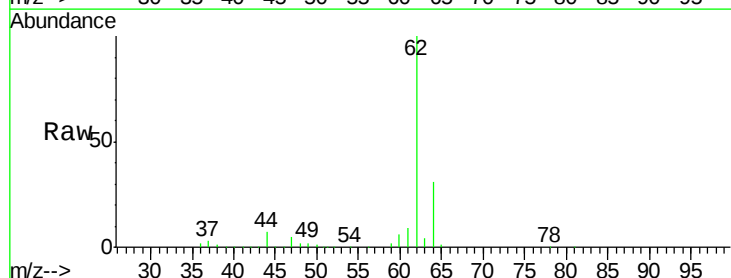
Acq: 02 May 2018 12:27

Tgt Ion: 62 Resp: 42983

Ion Ratio Lower Upper

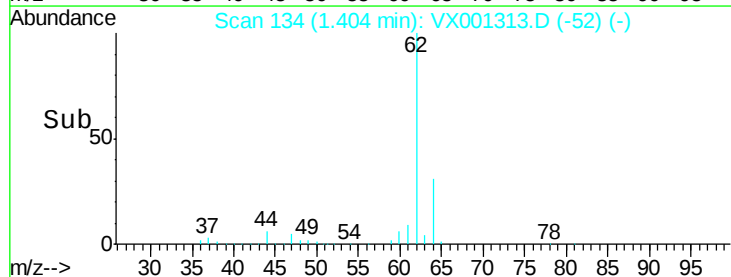
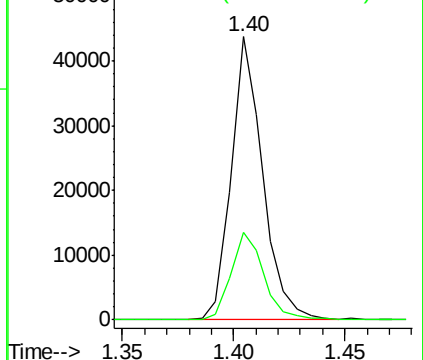
62 100

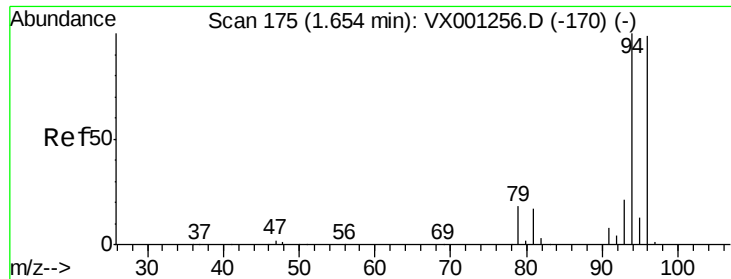
64 31.0 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.01 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS03

Tot Ion: 94 Resp: 31123

Ion Ratio Lower Upper

94 100

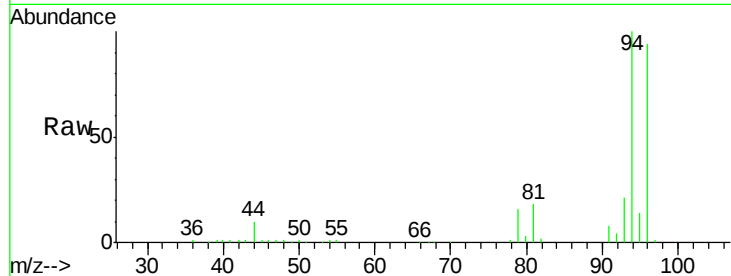
96 94.3 76.2 114.2

Manual Integrations

APPROVED

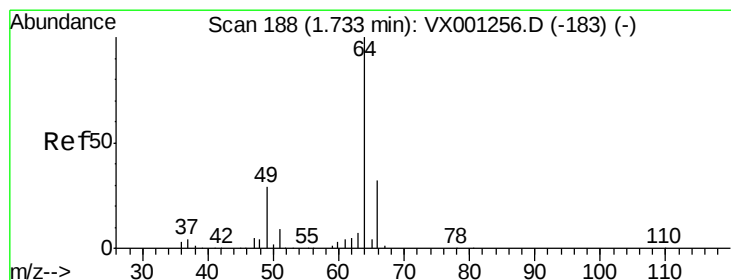
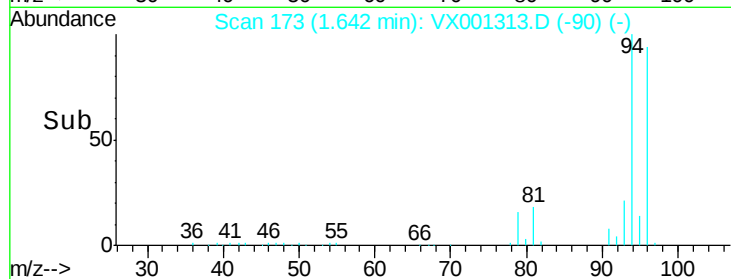
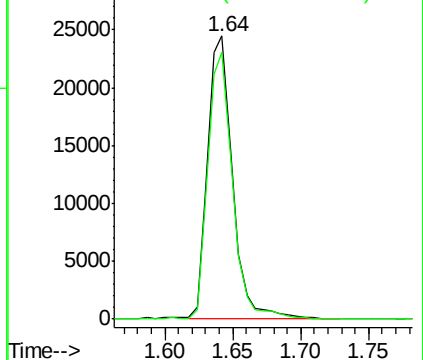
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.06 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001313.D

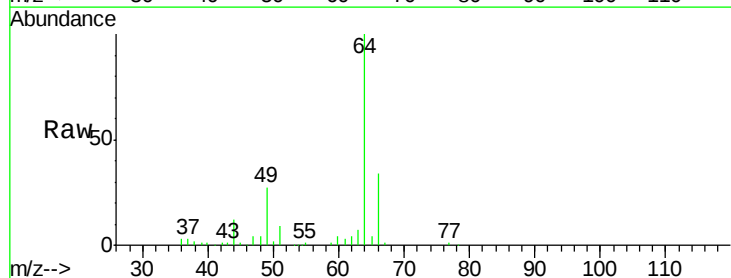
Acq: 02 May 2018 12:27

Tgt Ion: 64 Resp: 27921

Ion Ratio Lower Upper

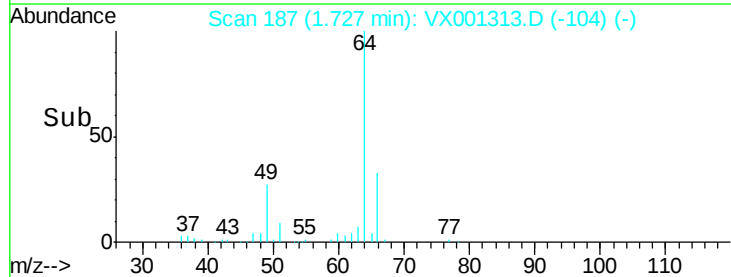
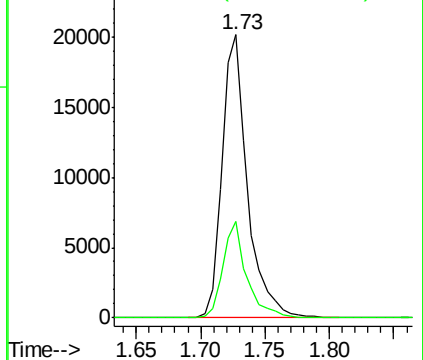
64 100

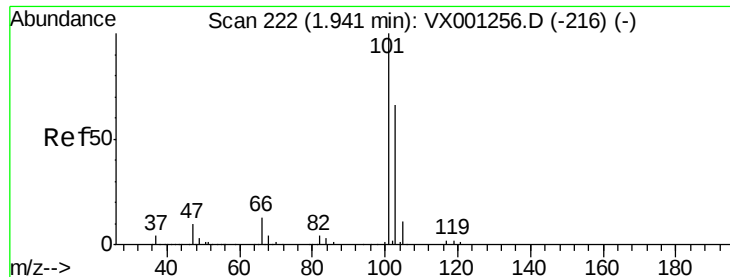
66 33.9 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

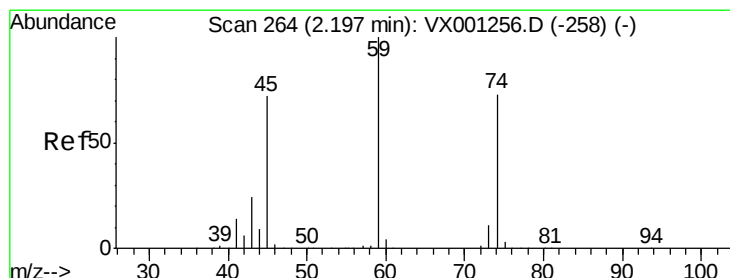
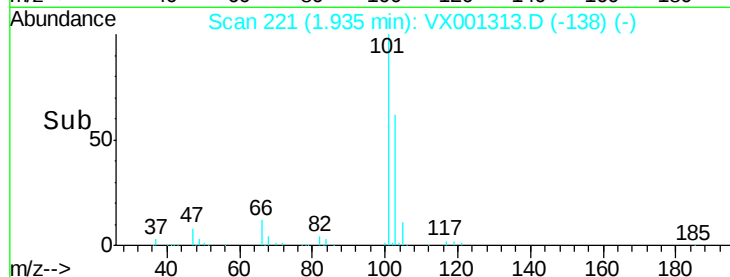
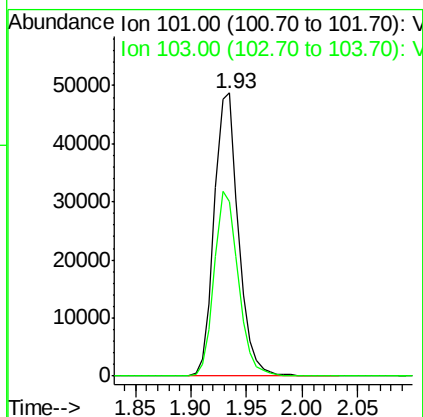
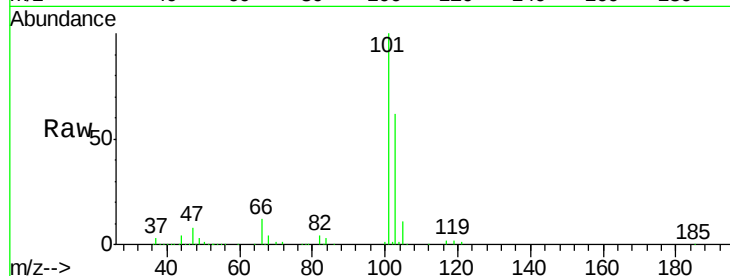
Trichlorofluoromethane
Concen: 20.48 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.2	78.4

Manual Integrations
APPROVED

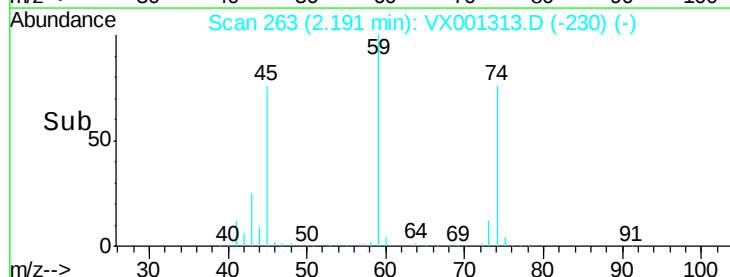
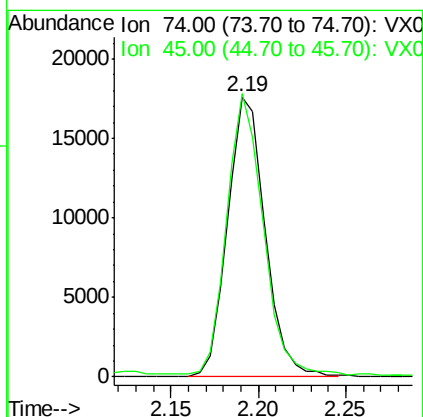
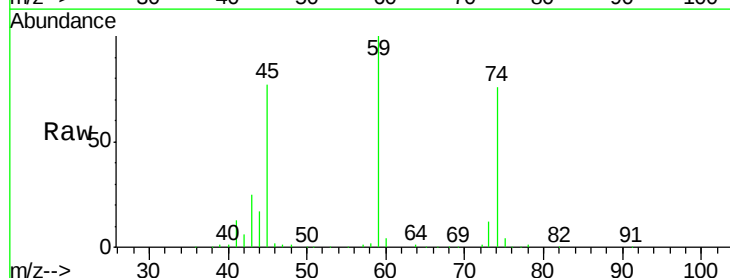
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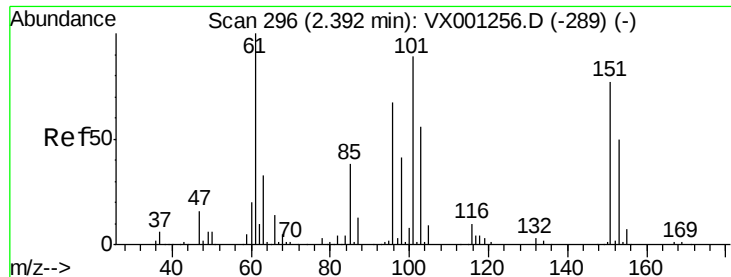


#8

Diethyl Ether
Concen: 21.08 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	17.8	159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.25 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

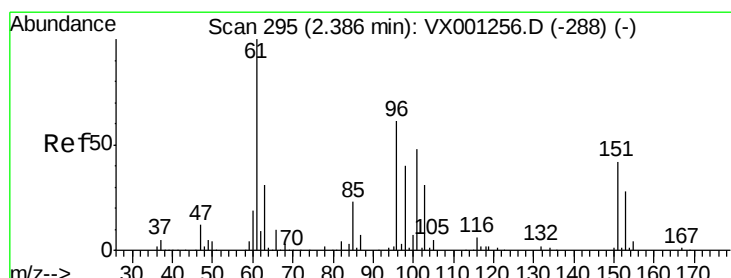
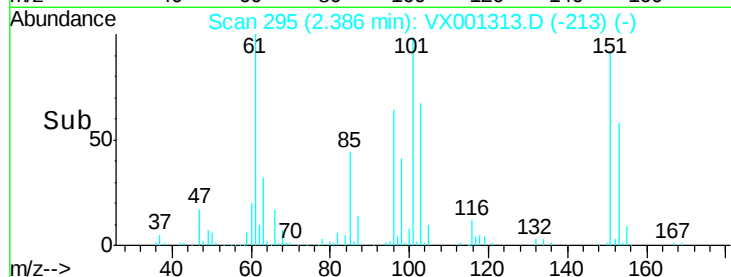
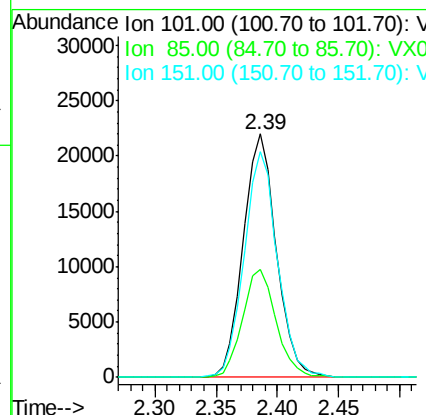
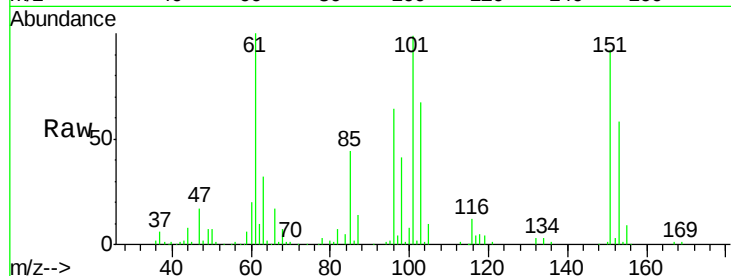
ClientSampleId :

VX0502WBS03

Tot Ion:	101	Resp:	41350
Ion Ratio	Lower	Upper	
101	100		
85	45.2	0.0	90.4
151	93.3	0.0	167.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.98 ug/l

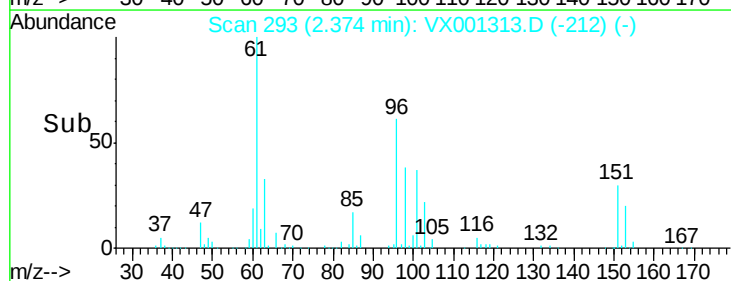
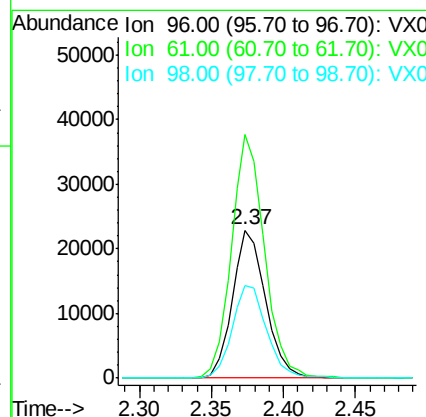
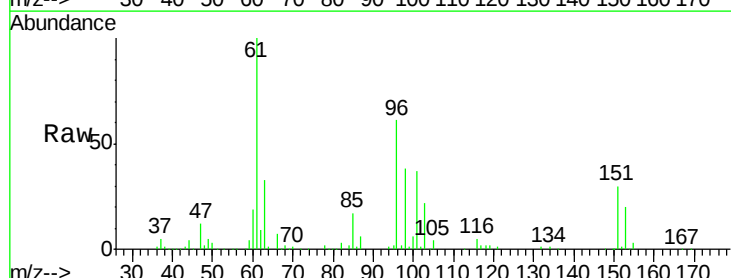
RT: 2.37 min Scan# 293

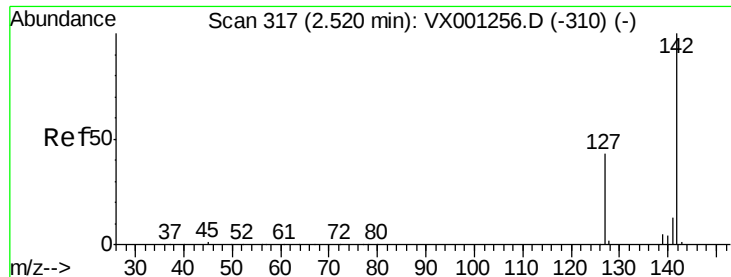
Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	96	Resp:	36948
Ion Ratio	Lower	Upper	
96	100		
61	164.1	118.6	178.0
98	62.7	51.0	76.6





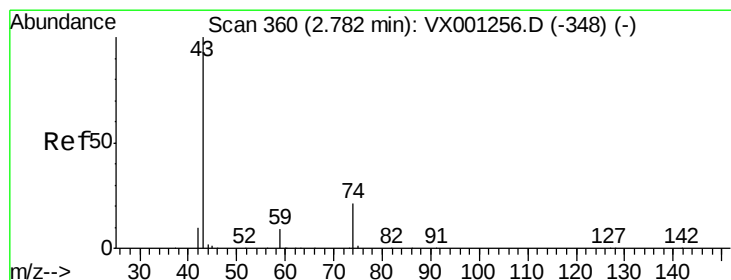
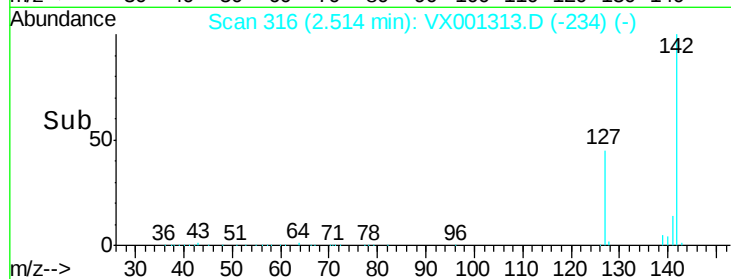
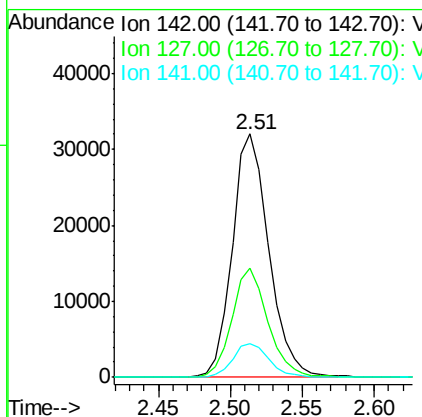
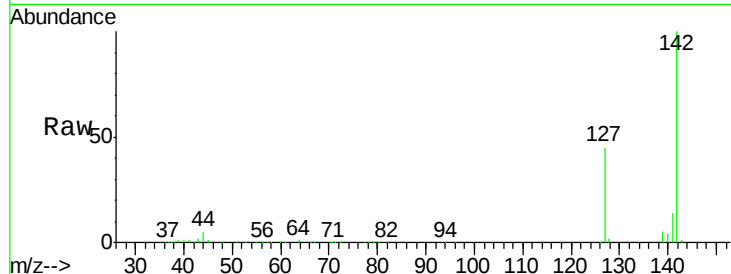
#11
Methvl Iodide
Concen: 25.19 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.7	23.8	71.5
141	14.1	8.2	24.4

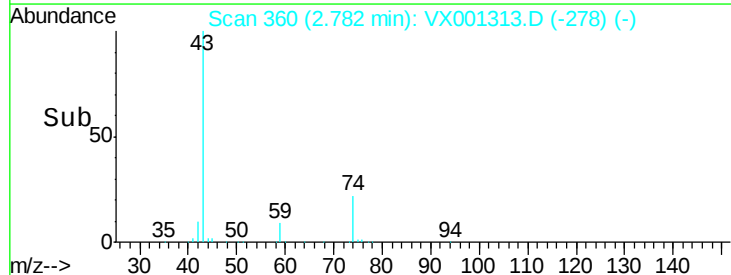
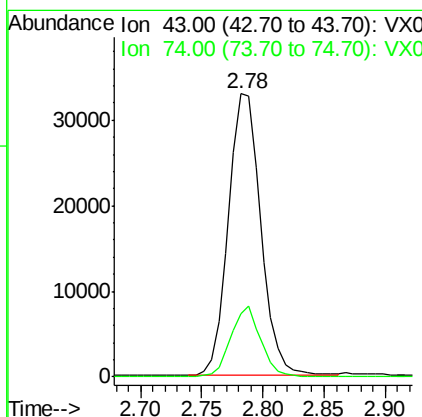
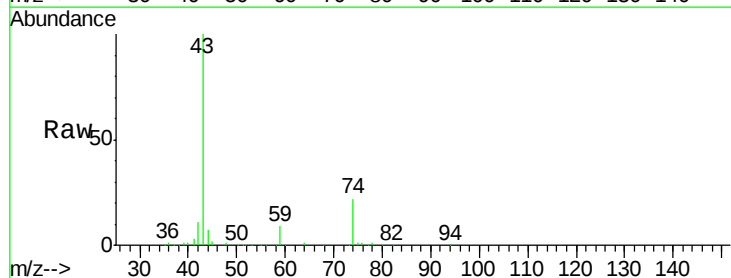
Manual Integrations
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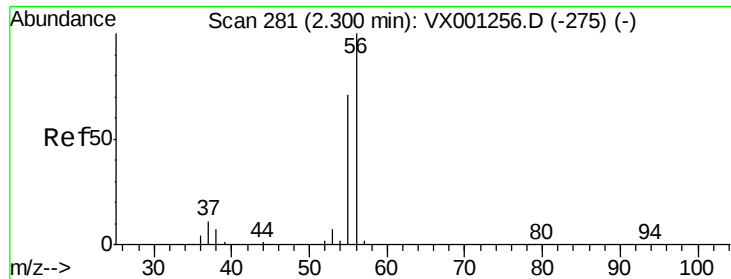
MMDadoda
5/3/2018 12:21:16 PM



#12
Methyl Acetate
Concen: 24.99 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.6	27.8





#13

Acrolein

Concen: 71.95 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion: 56 Resp: 20866

Ion Ratio Lower Upper

56 100

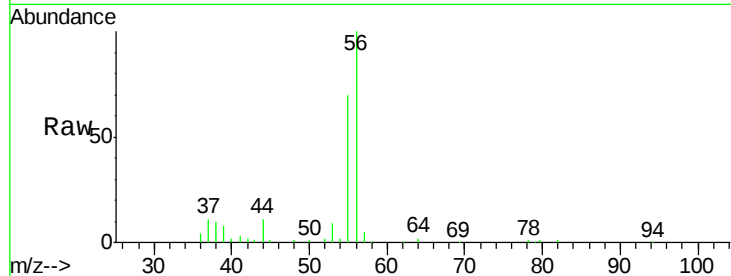
55 72.4 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

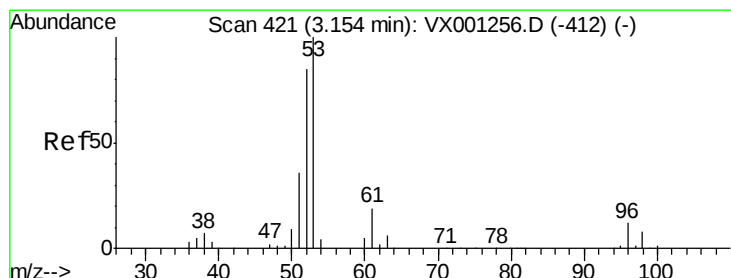
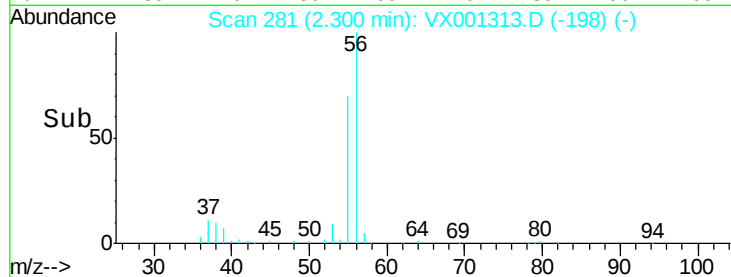
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 117.66 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

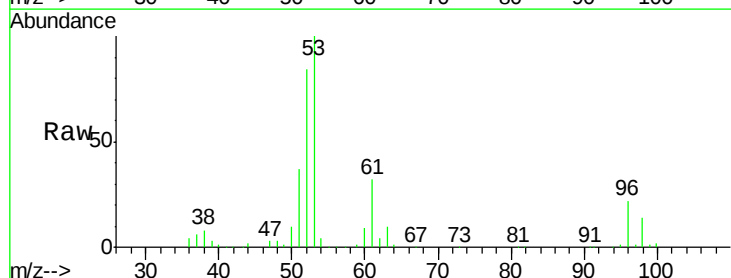
Tgt Ion: 53 Resp: 113869

Ion Ratio Lower Upper

53 100

52 81.3 41.9 125.8

51 35.9 18.8 56.3



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

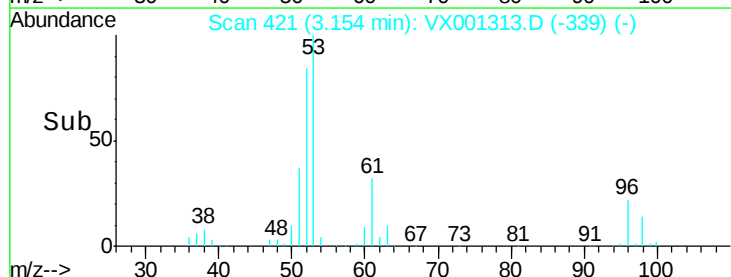
60000

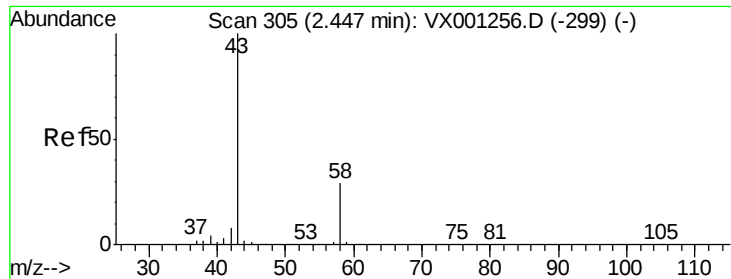
40000

20000

0

Time-->





#15

Acetone

Concen: 113.08 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS03

Tot Ion: 58 Resp: 34050

Ion Ratio Lower Upper

58 100

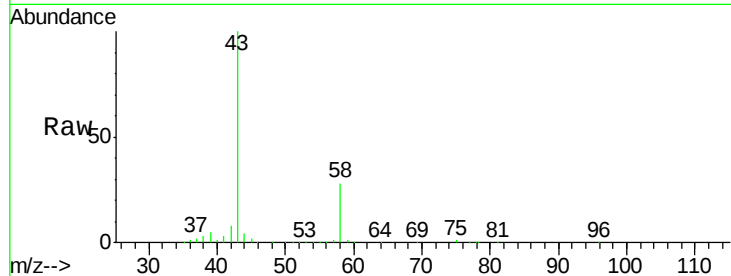
43 351.7 264.6 396.8

Manual Integrations

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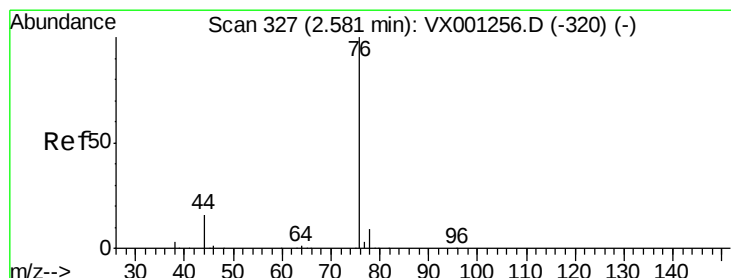
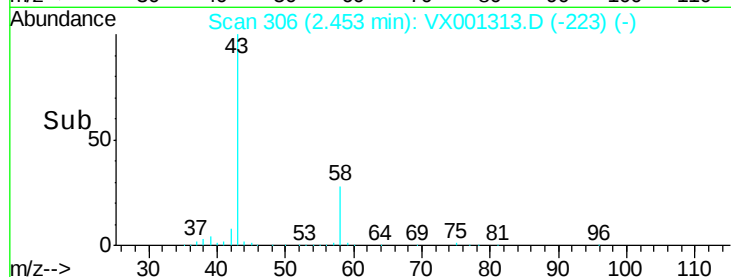
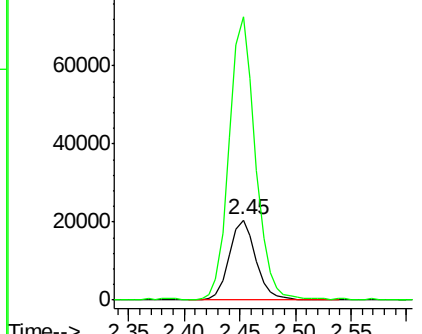
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.42 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001313.D

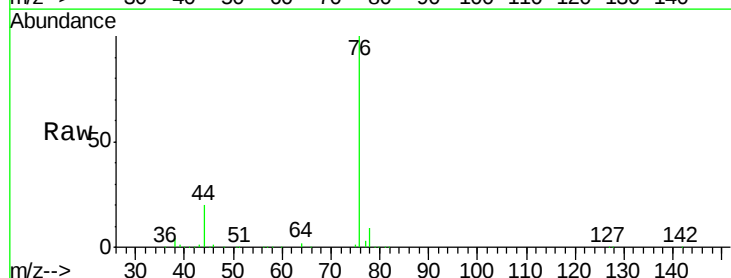
Acq: 02 May 2018 12:27

Tgt Ion: 76 Resp: 85712

Ion Ratio Lower Upper

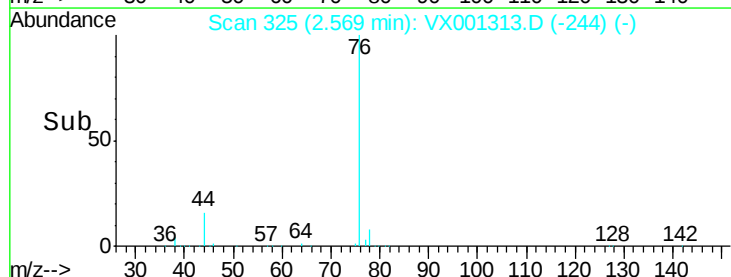
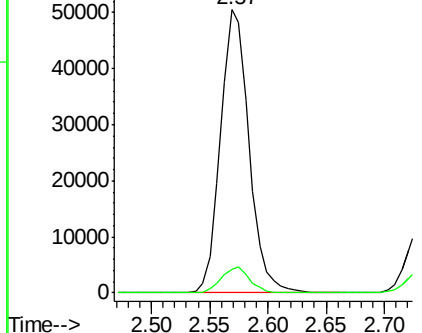
76 100

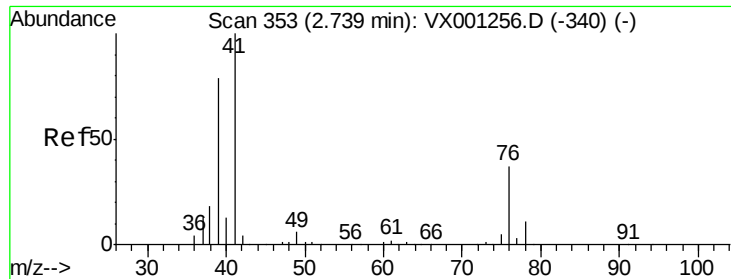
78 8.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 20.36 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

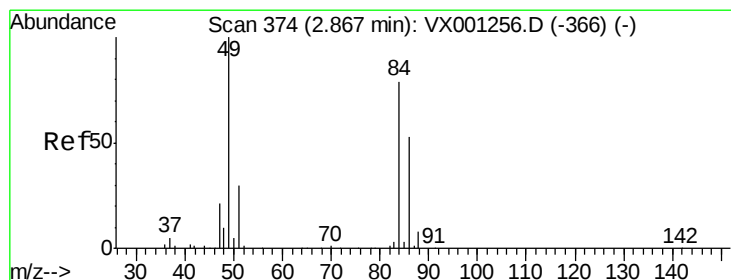
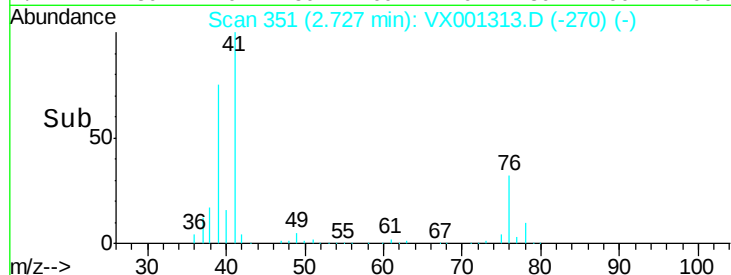
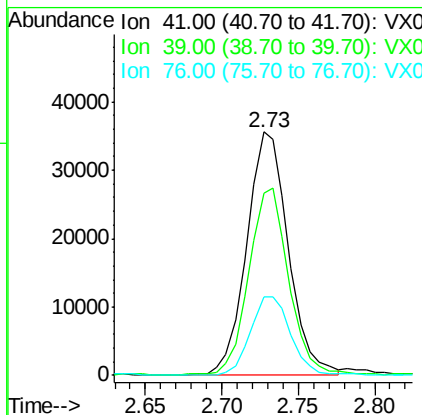
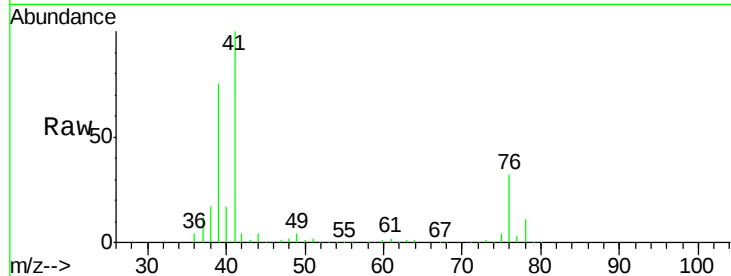
ClientSampleId :

VX0502WBS03

Tot Ion:	41	Resp:	66809
Ion	Ratio	Lower	Upper
41	100		
39	74.7	38.5	115.5
76	32.0	18.7	56.1

Manual Integrations
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#18

Methylene Chloride

Concen: 21.06 ug/l

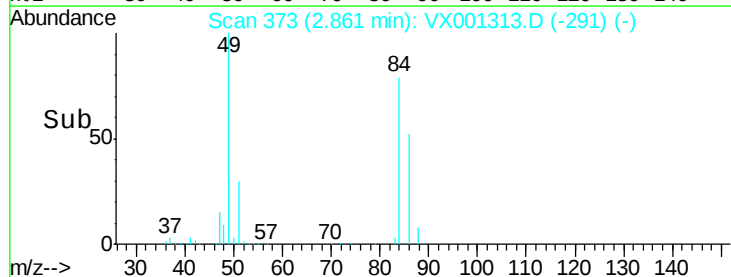
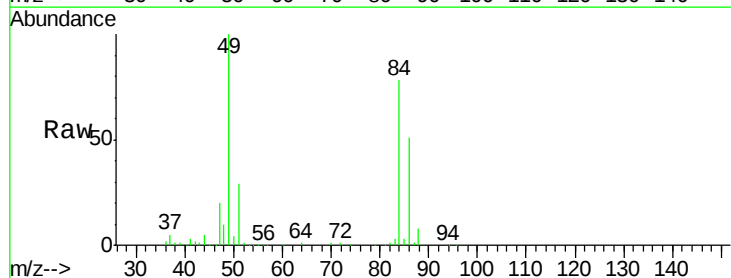
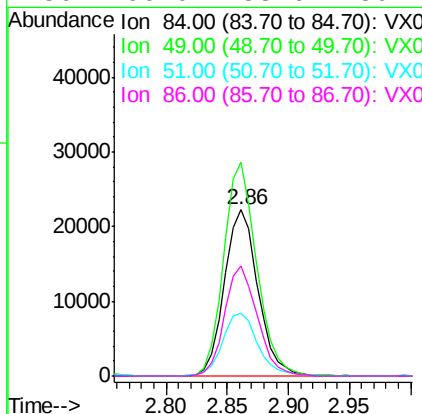
RT: 2.86 min Scan# 373

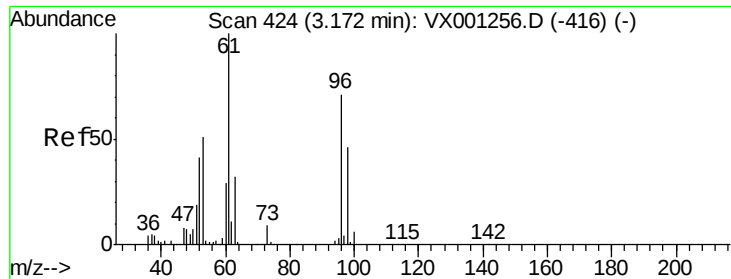
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	84	Resp:	42462
Ion	Ratio	Lower	Upper
84	100		
49	128.5	103.3	154.9
51	37.7	31.2	46.8
86	66.0	53.6	80.4





#19

trans-1,2-Dichloroethene

Concen: 20.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

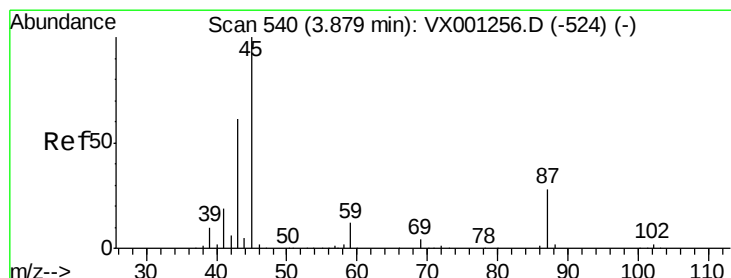
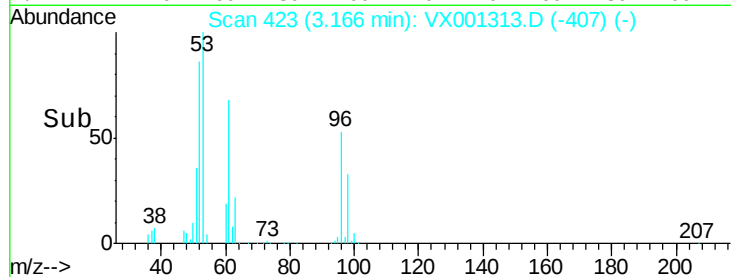
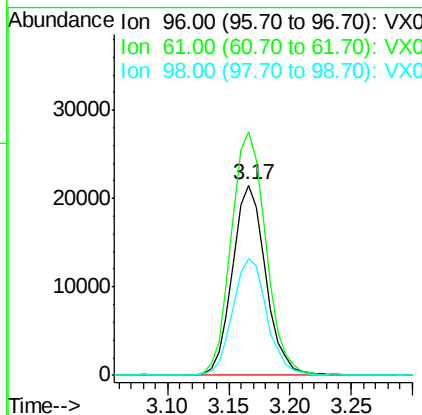
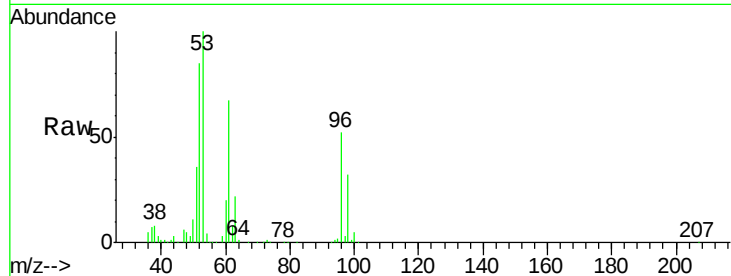
ClientSampled :

VX0502WBS03

Tot Ion:	96	Resp:	40480
Ion	Ratio	Lower	Upper
96	100		
61	128.0	101.0	151.6
98	61.7	53.3	79.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 18.36 ug/l

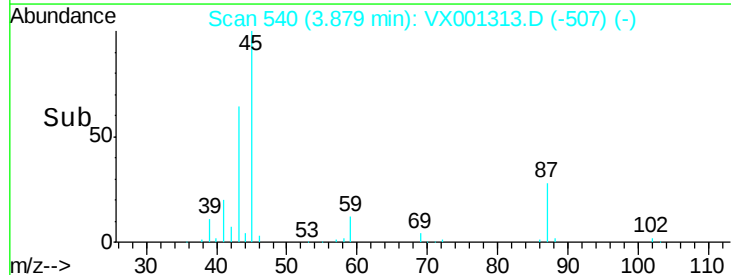
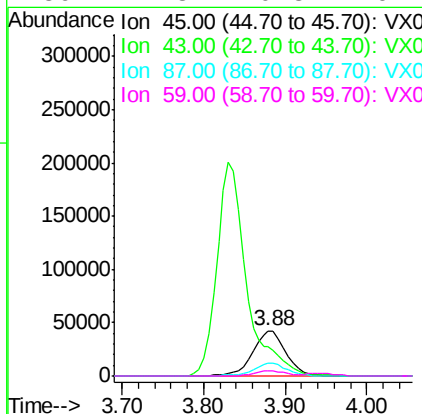
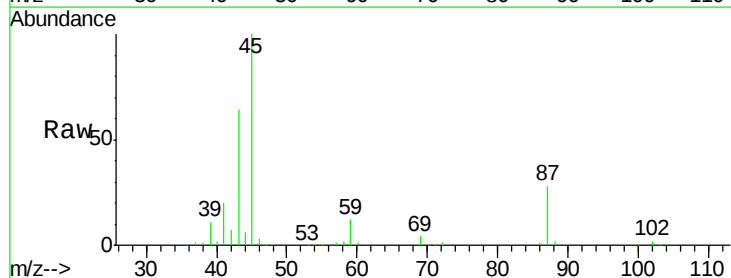
RT: 3.88 min Scan# 540

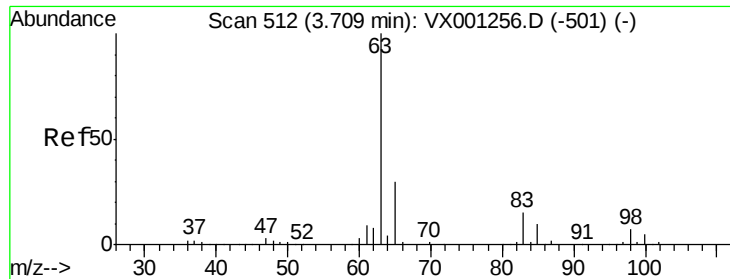
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	45	Resp:	118616
Ion	Ratio	Lower	Upper
45	100		
43	62.4	49.6	74.4
87	28.3	23.1	34.7
59	11.8	10.8	16.2





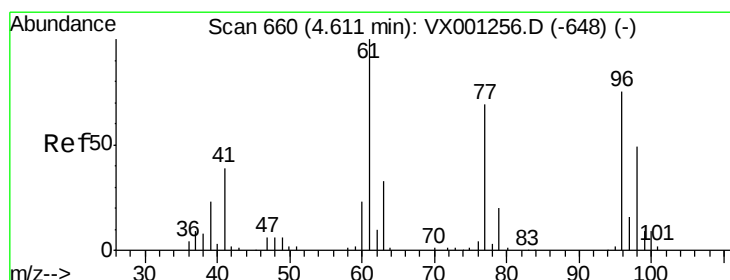
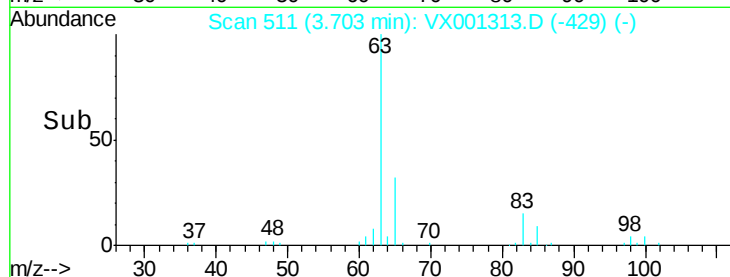
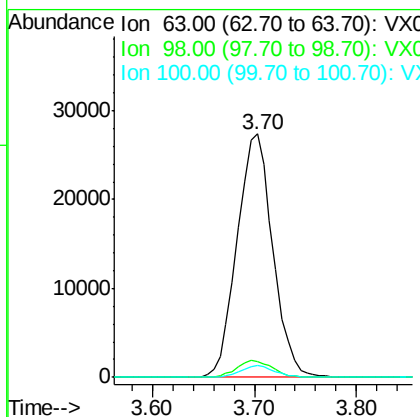
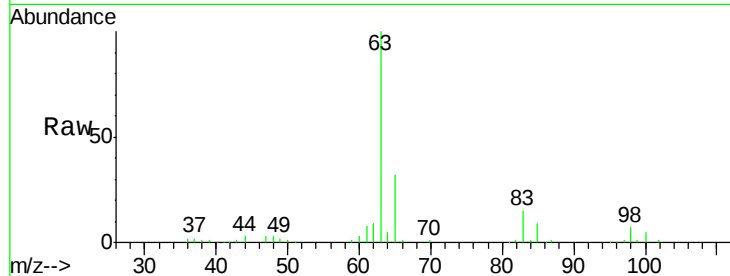
#21
1,1-Dichloroethane
Concen: 19.13 ug/l
RT: 3.70 min Scan# 511
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
63	100	66398		
98	6.6		3.3	9.9
100	4.8		2.1	6.5

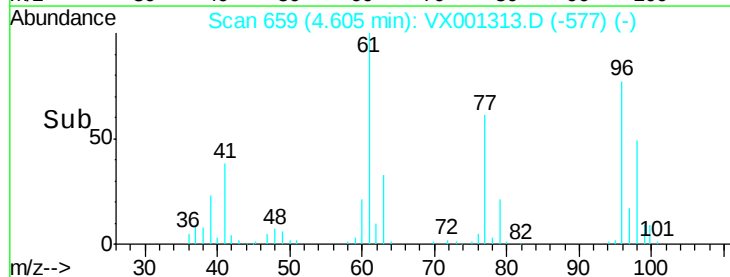
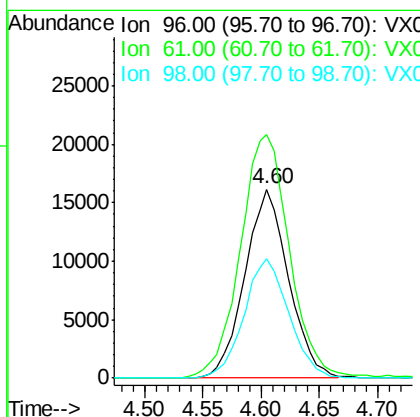
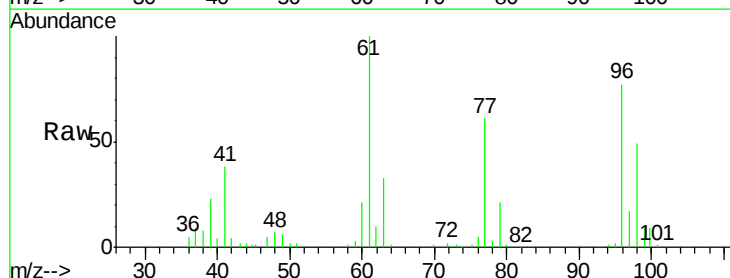
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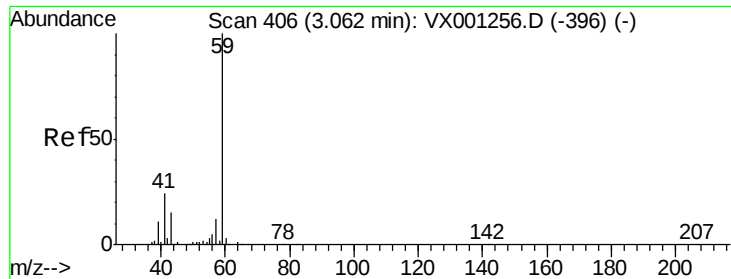
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#22
cis-1,2-Dichloroethene
Concen: 18.96 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	42220		
61	145.1		113.5	170.3
98	64.9		51.8	77.8





#23

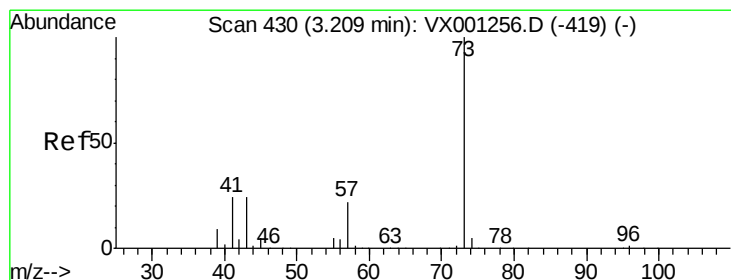
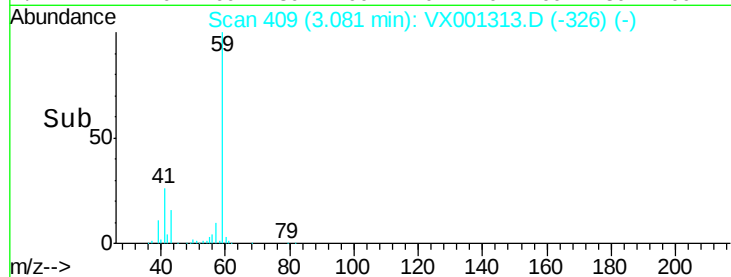
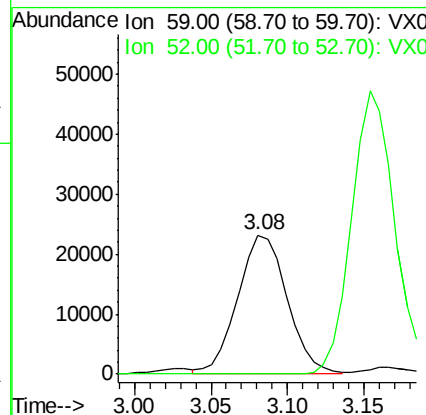
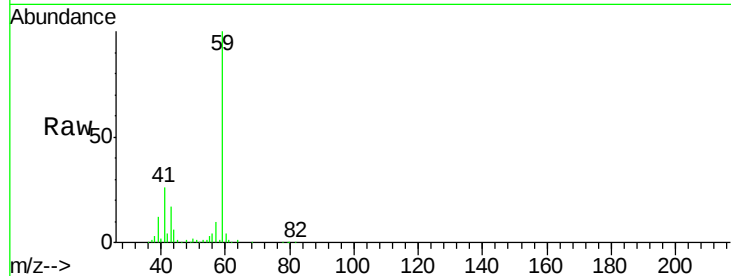
tert-Butyl Alcohol
Concen: 132.31 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.2		0.1	0.1#

Manual Integrations
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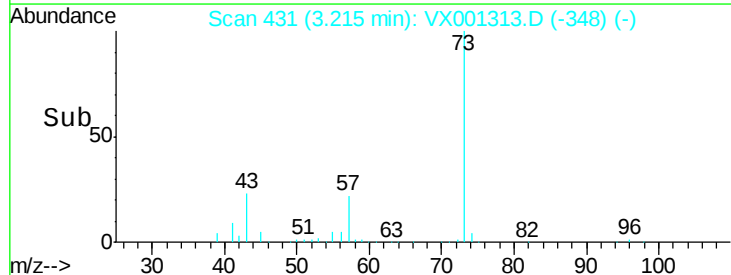
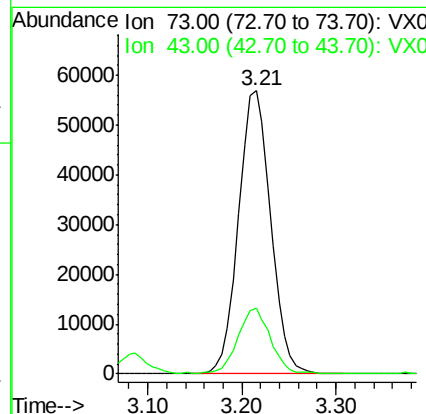
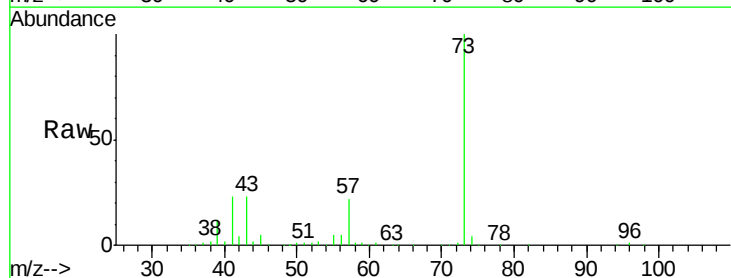
MMDadoda
5/3/2018 12:21:16 PM

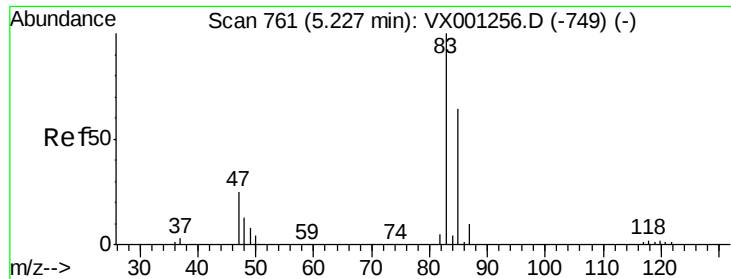


#24

Methyl tert-Butyl Ether
Concen: 21.30 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	22.7		16.5	24.7





#25

Chloroform

Concen: 19.14 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS03

Tot Ion: 83 Resp: 72321

Ion Ratio Lower Upper

83 100

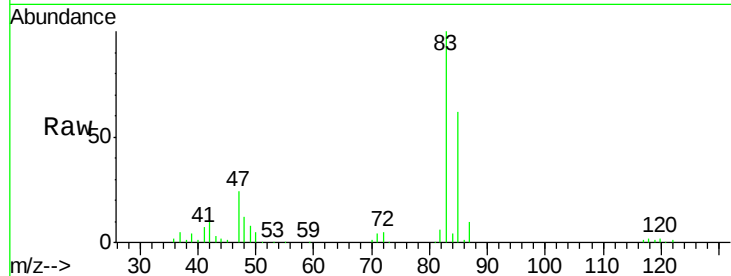
85 62.0 52.5 78.7

Manual Integrations

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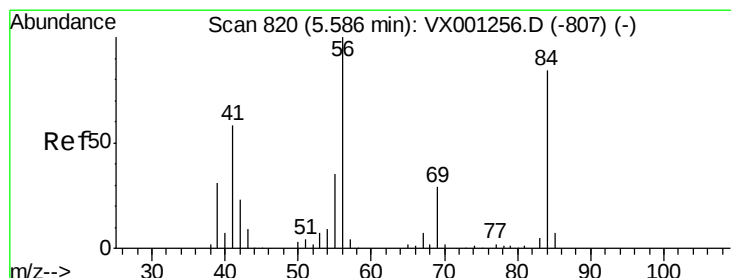
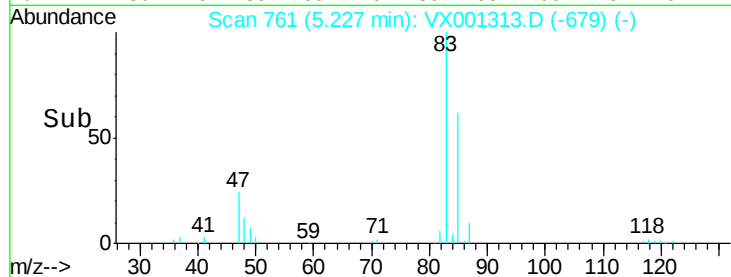
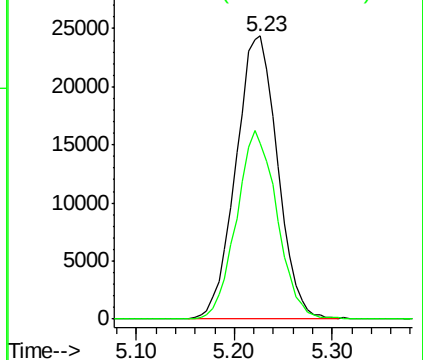
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5/3/2018 12:21:16 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.66 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

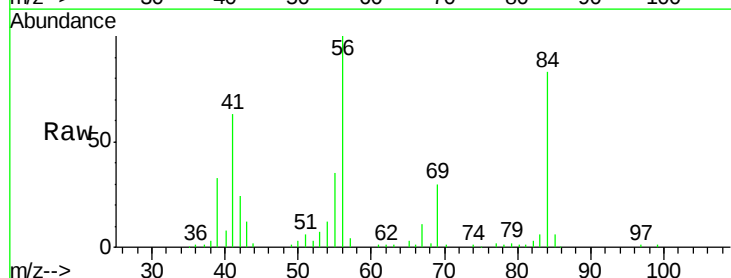
Tgt Ion: 56 Resp: 55734

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

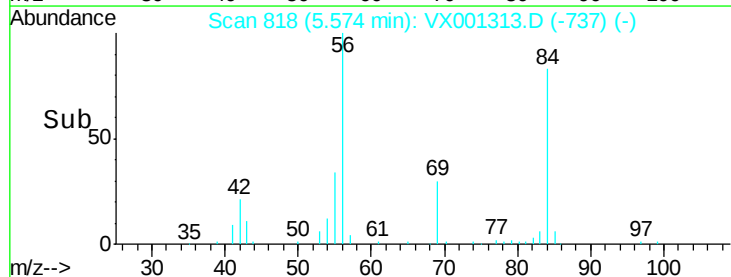
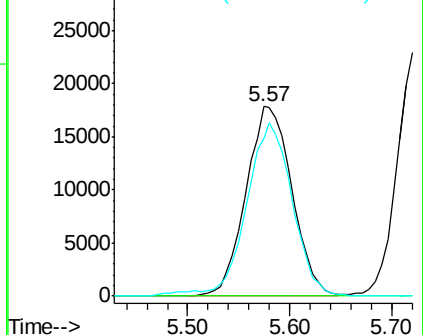
84 89.4 74.8 112.2

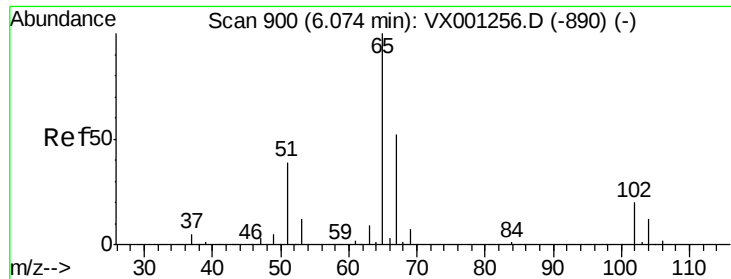


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





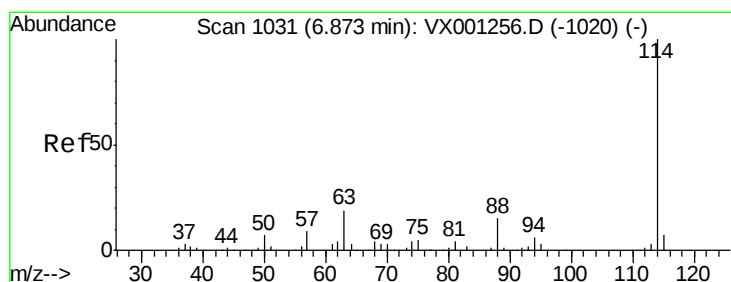
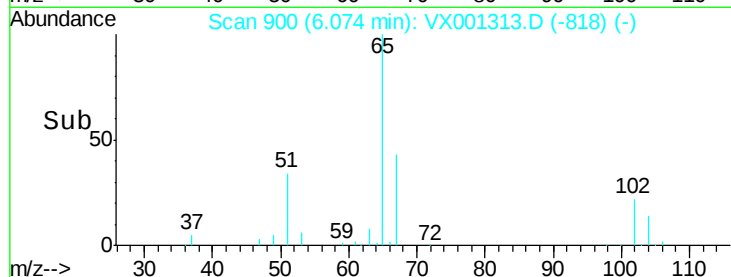
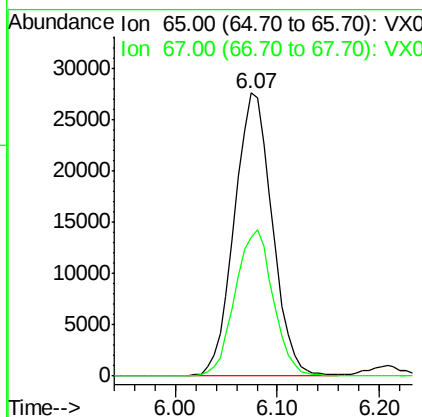
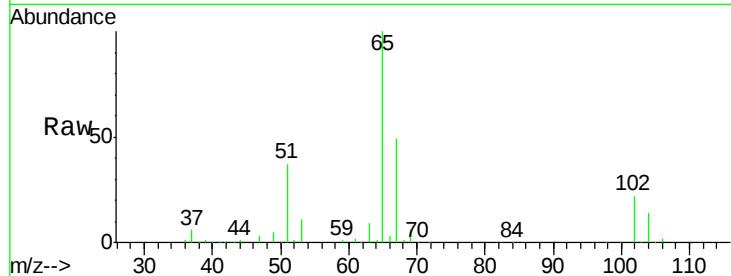
#27
 1,2-Dichloroethane-d4
 Concen: 29.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion: 65 Resp: 71323
 Ion Ratio Lower Upper
 65 100
 67 51.8 41.4 62.2

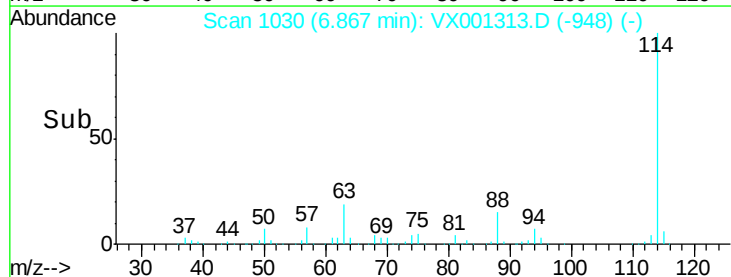
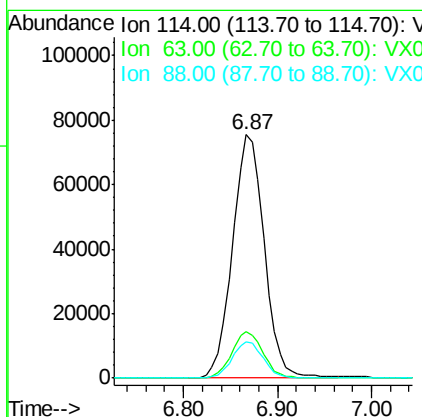
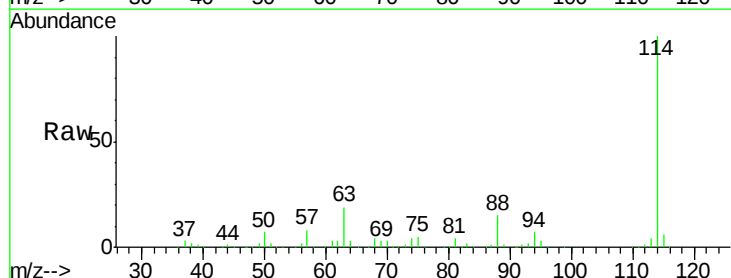
Manual Integrations
 APPROVED

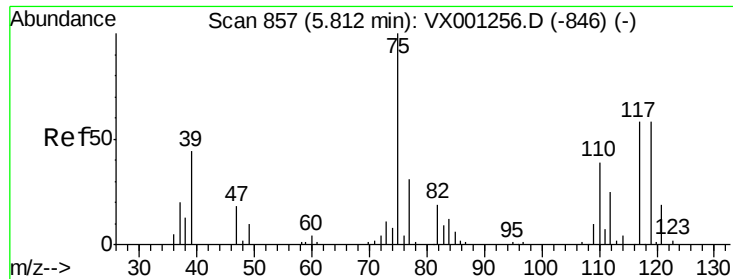
MMDadoda
 5/3/2018 12:21:16 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion: 114 Resp: 177665
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.0 22.4
 88 14.5 11.8 17.8





#29

1,1-Dichloropropene

Concen: 19.01 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

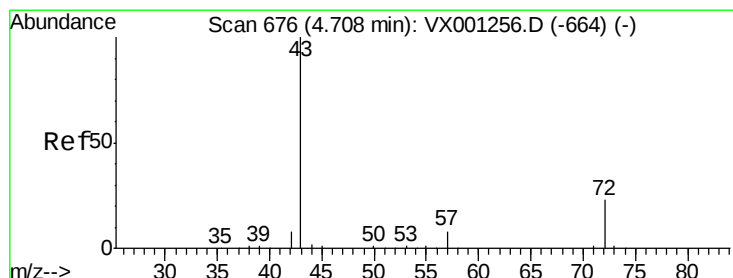
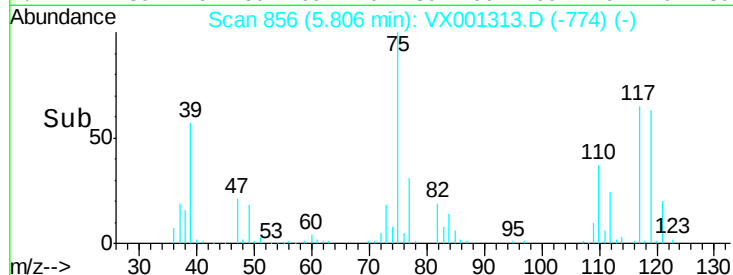
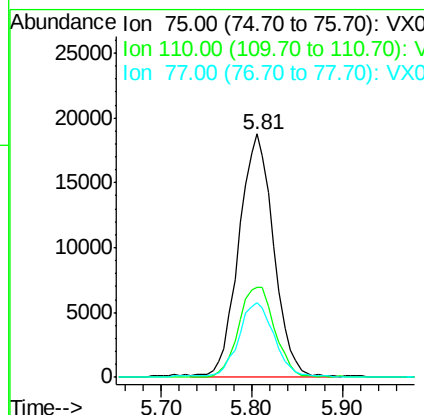
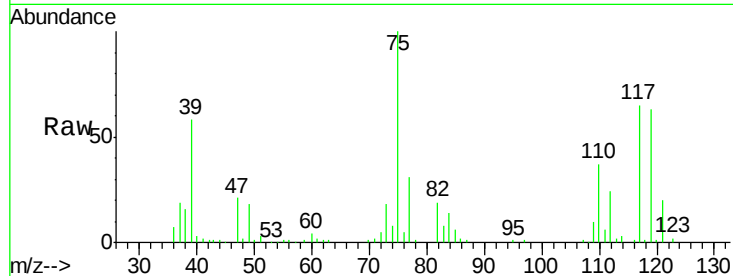
ClientSampled :

VX0502WBS03

Tot Ion:	75	Resp:	50024
Ion Ratio	Lower	Upper	
75	100		
110	38.4	0.0	75.6
77	31.4	0.0	62.6

Manual Integrations
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#30

2-Butanone

Concen: 112.31 ug/l

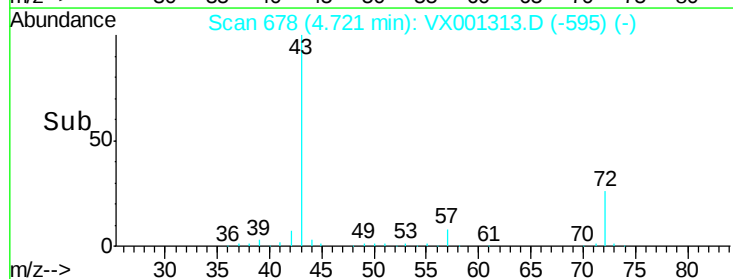
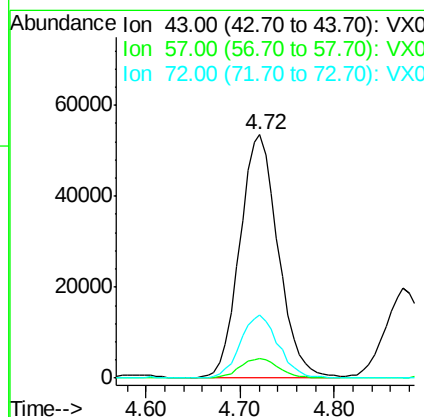
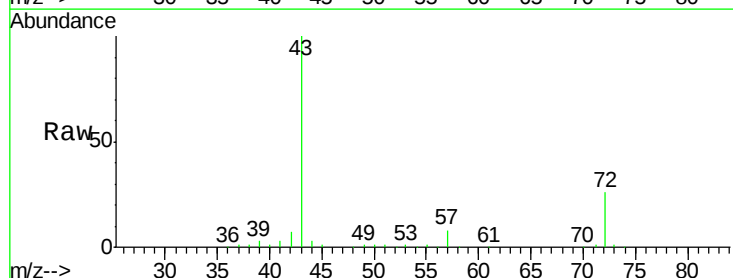
RT: 4.72 min Scan# 678

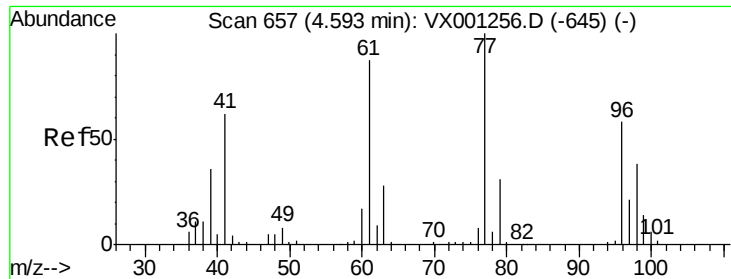
Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	43	Resp:	151487
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.6	10.0
72	25.9	21.8	32.6





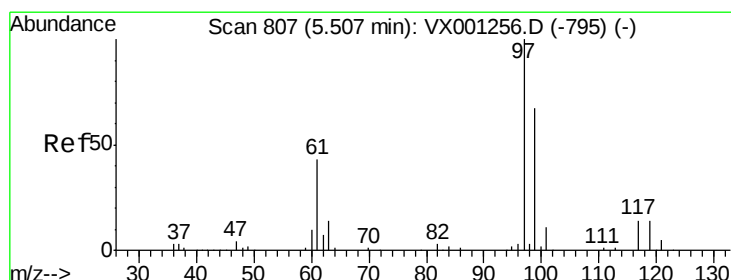
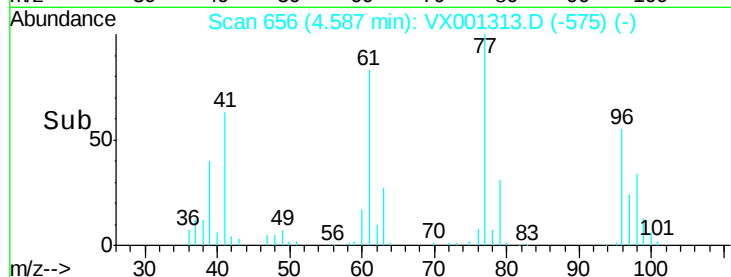
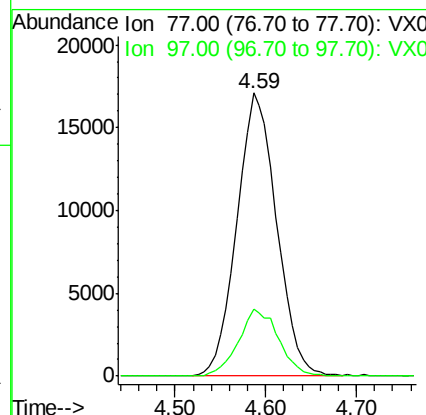
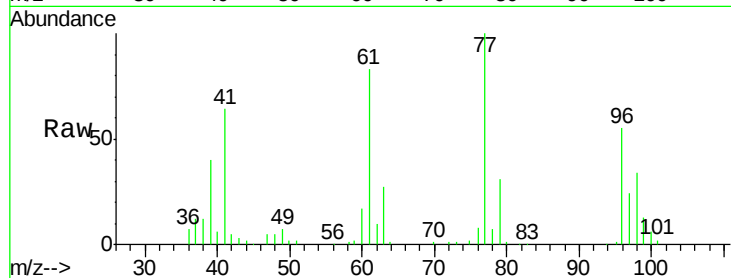
#31
 2,2-Dichloropropane
 Concen: 18.11 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion: 77 Resp: 52031
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.6 27.8

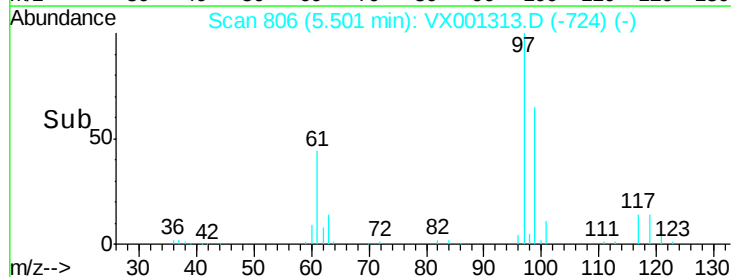
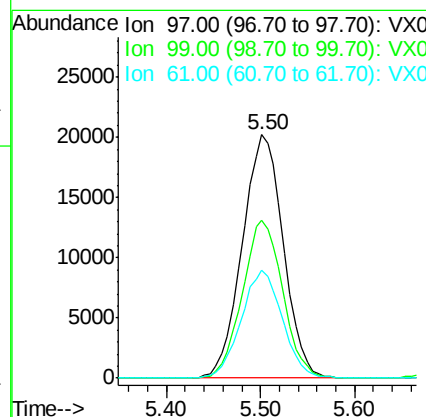
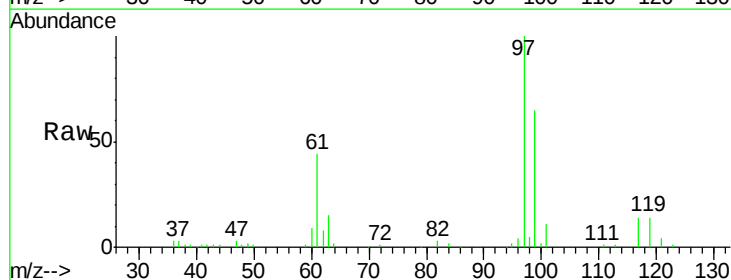
Manual Integrations
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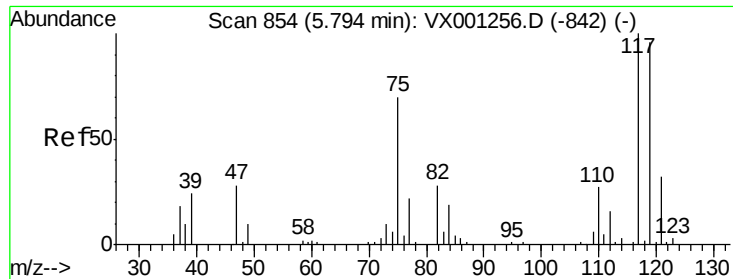
MMDadoda
 5/3/2018 12:21:16 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.36 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion: 97 Resp: 61648
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.3 78.5
 61 44.3 34.3 51.5





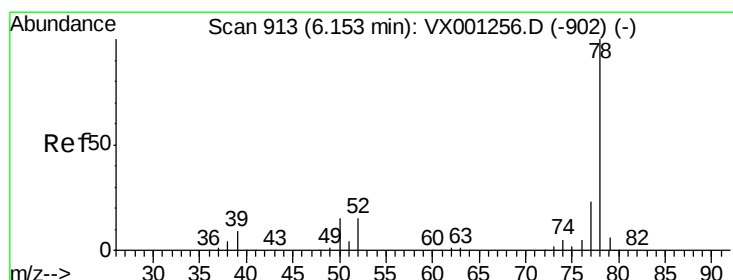
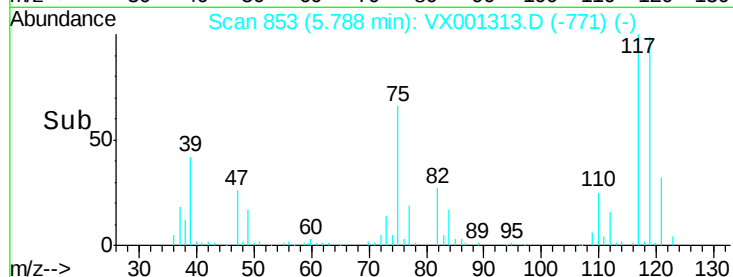
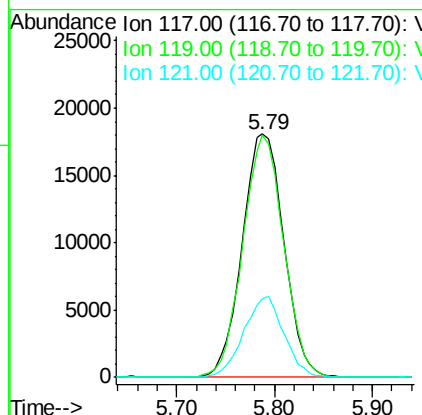
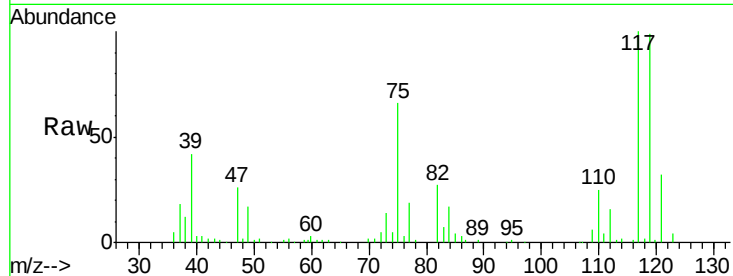
#33
Carbon Tetrachloride
Concen: 18.68 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.5	73.5	110.3
121	32.2	24.6	37.0

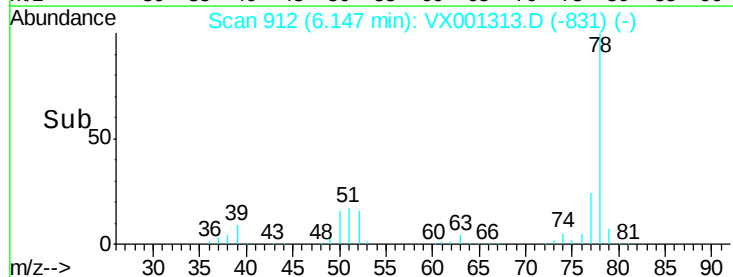
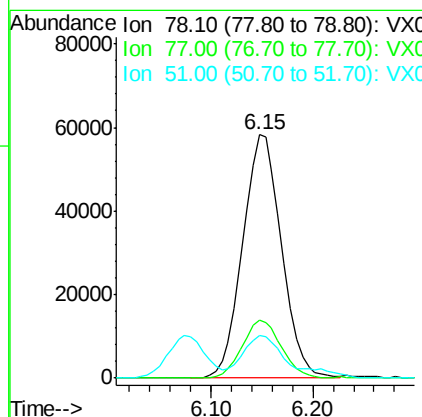
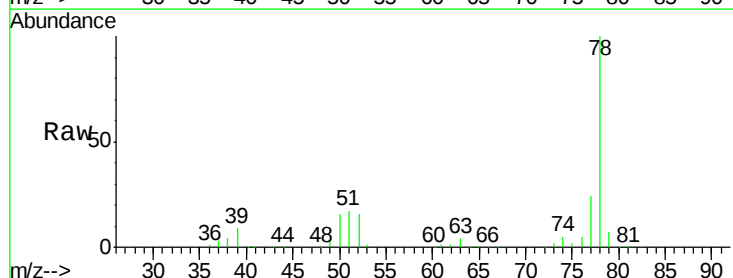
Manual Integrations
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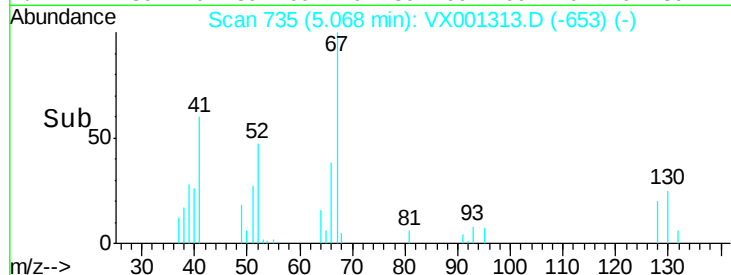
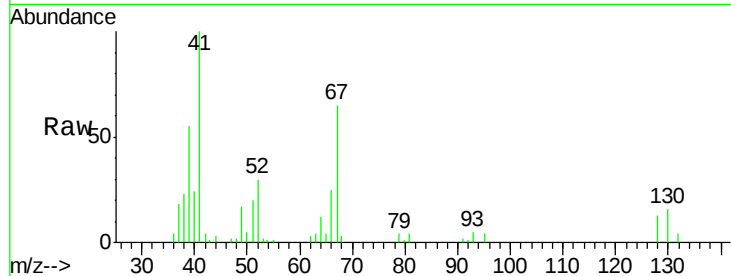
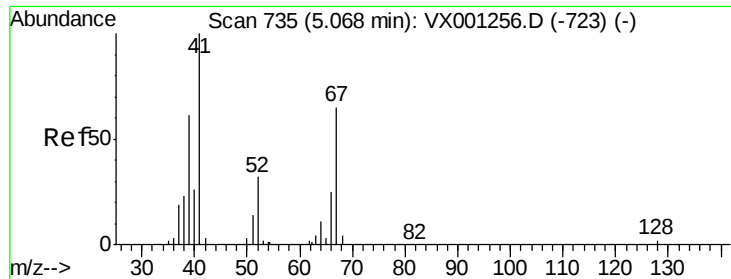
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#34
Benzene
Concen: 19.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	21.7	32.5
51	15.6	14.9	22.3





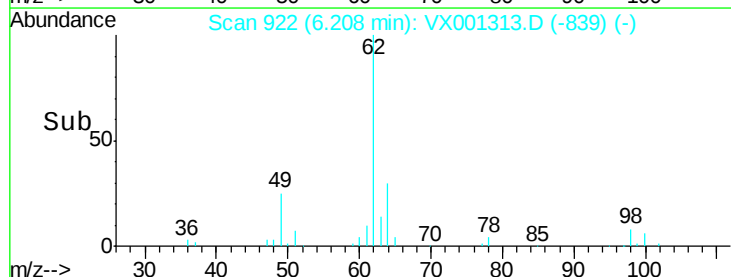
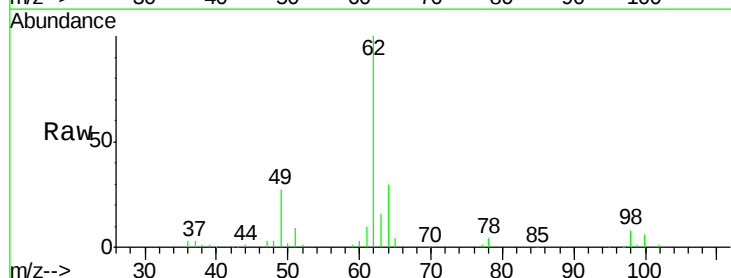
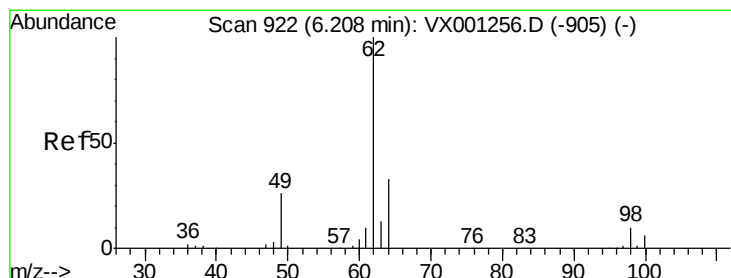
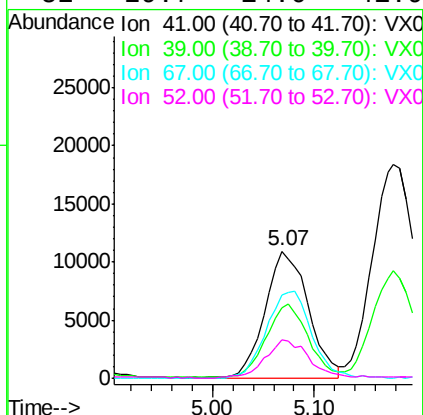
#35
Methacrylonitrile
Concen: 21.56 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tot Ion	41	Resp	32277
Ion Ratio	Lower	Upper	
41	100		
39	54.5	29.8	89.3
67	65.1	28.7	86.3
52	29.7	14.0	41.9

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS03

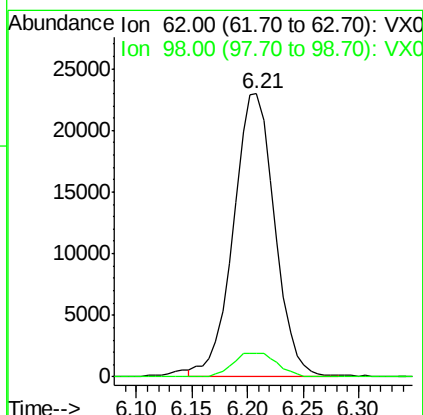
Manual Integrations
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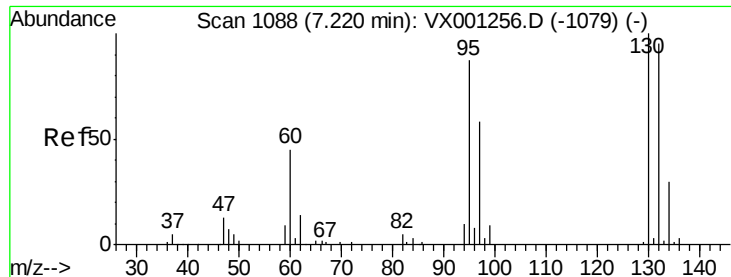
MMDadoda
5/3/2018 12:21:16 PM



#36
1,2-Dichloroethane
Concen: 19.79 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	62	Resp	59246
Ion Ratio	Lower	Upper	
62	100		
98	9.1	6.9	10.3





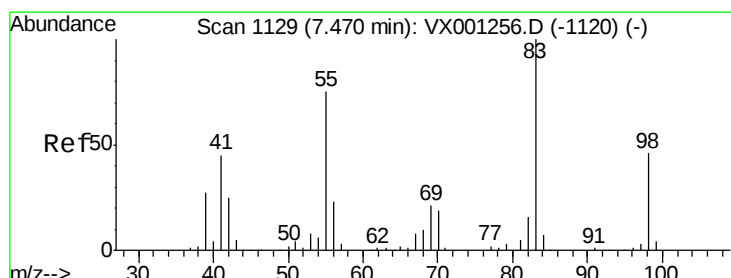
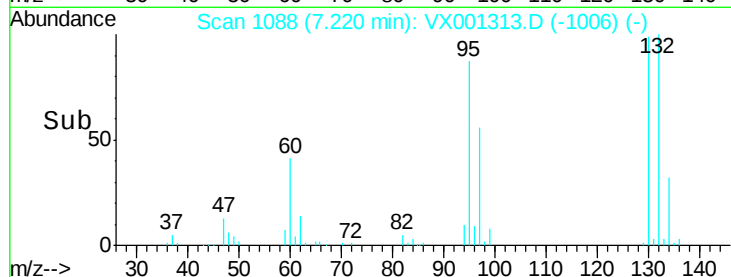
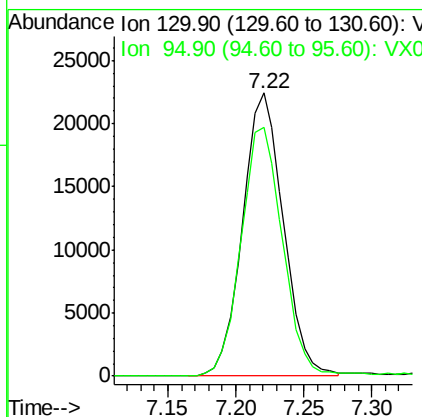
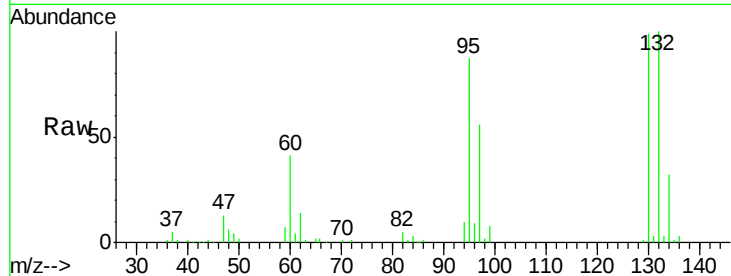
#37
 Trichloroethene
 Concen: 19.95 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion:130 Resp: 47186
 Ion Ratio Lower Upper
 130 100
 95 87.9 74.6 112.0

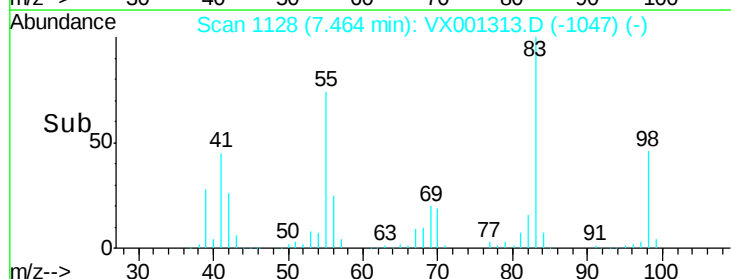
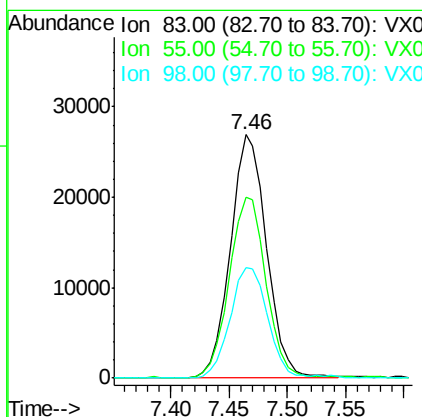
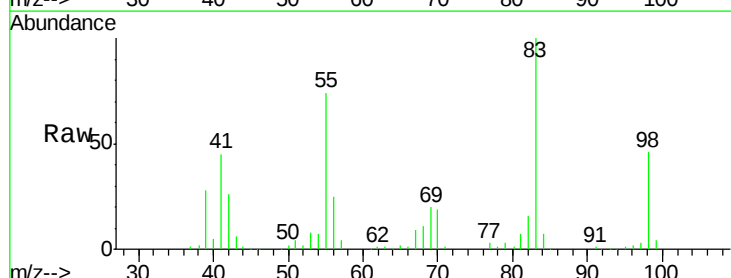
Manual Integrations
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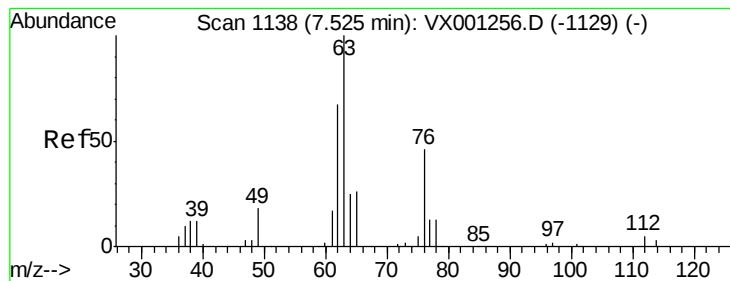
MMDadoda
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#38
 Methylcyclohexane
 Concen: 18.79 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion: 83 Resp: 58205
 Ion Ratio Lower Upper
 83 100
 55 75.6 35.9 107.7
 98 47.2 24.6 74.0





#39

1,2-Dichloropropane

Concen: 19.64 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion: 63 Resp: 38848

Ion Ratio Lower Upper

63 100

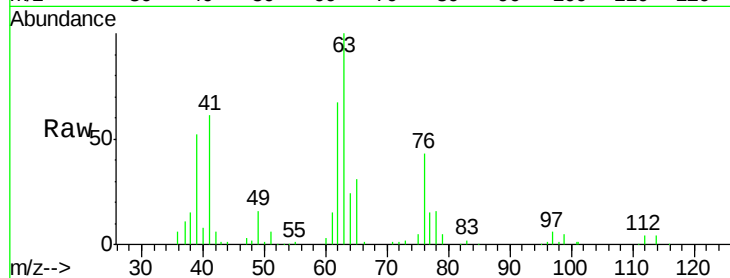
65 30.5 25.0 37.6

Manual Integrations

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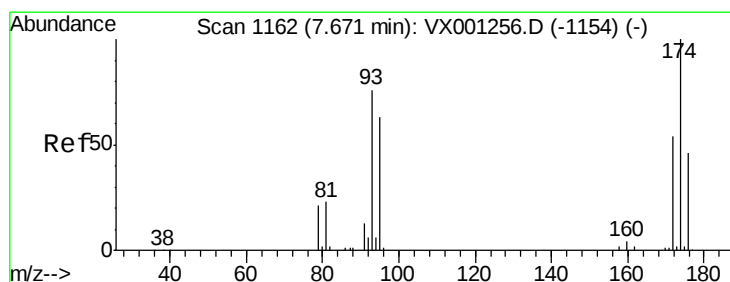
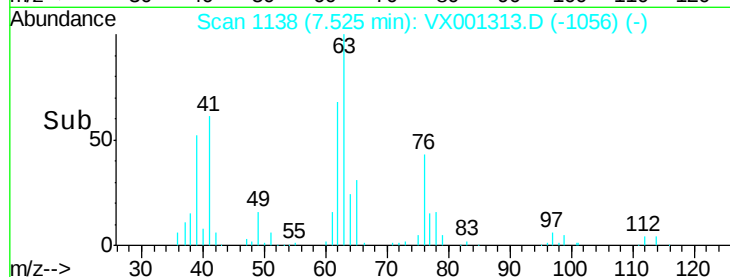
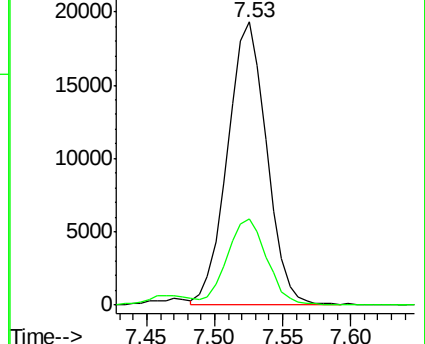
MMDadoda

5/3/2018 12:21:16 PM



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 20.50 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

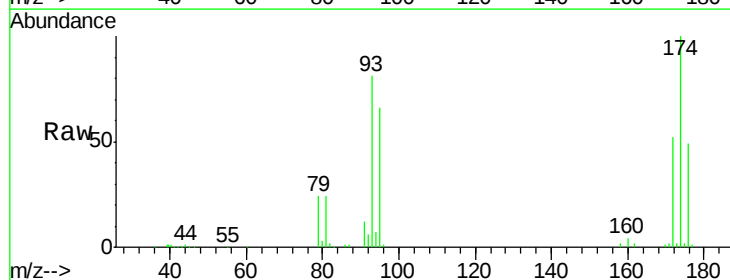
Tgt Ion: 93 Resp: 28531

Ion Ratio Lower Upper

93 100

95 83.5 0.0 170.6

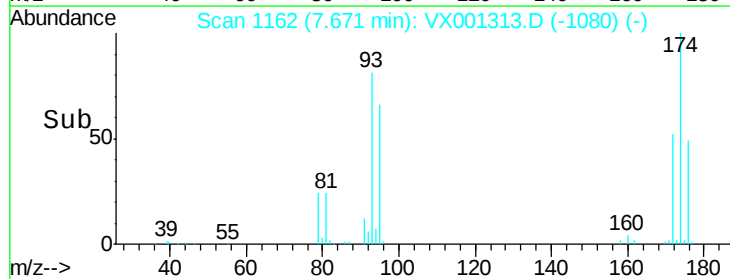
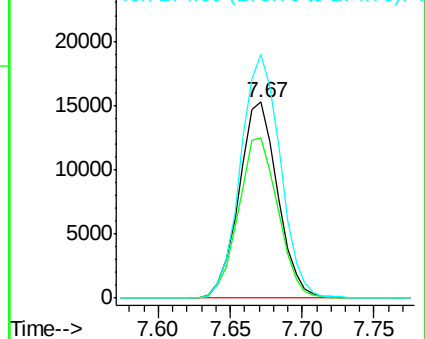
174 126.6 0.0 210.4

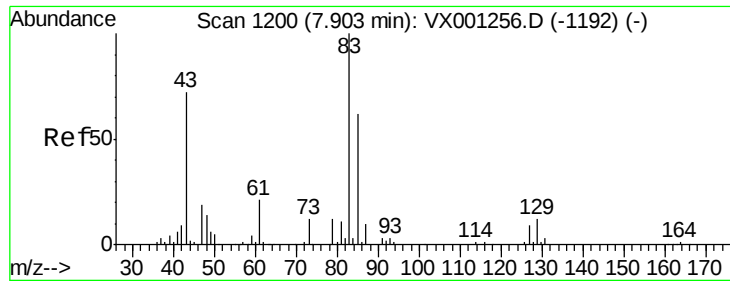


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

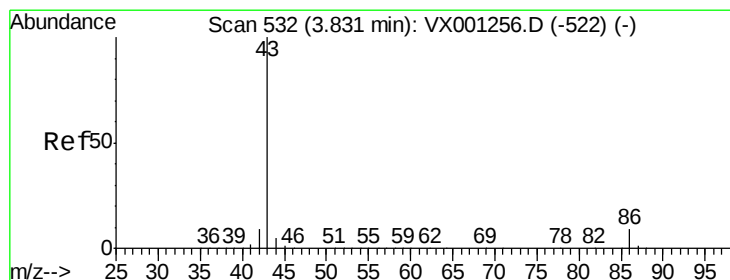
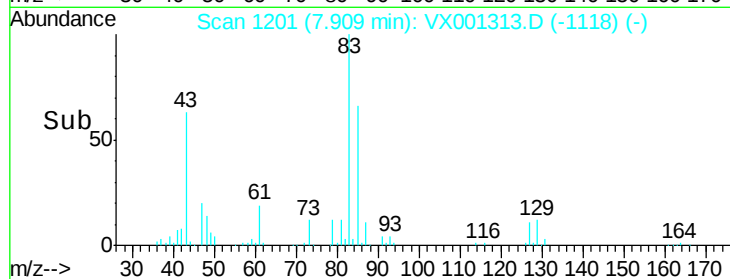
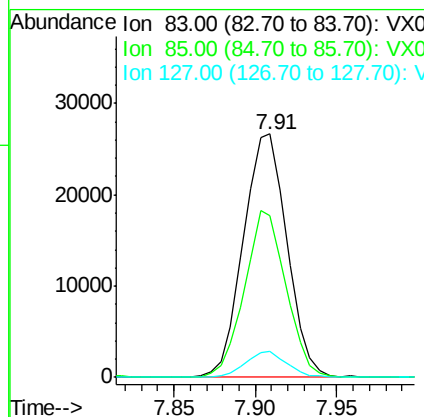
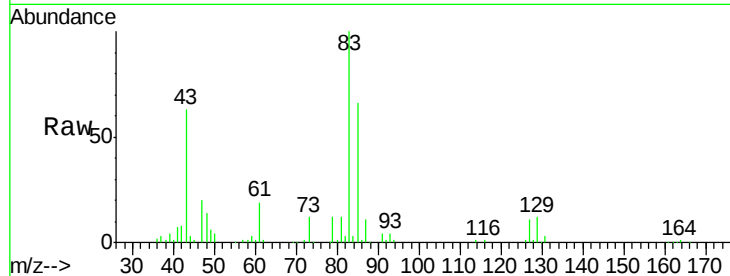
ClientSampleId :

VX0502WBS03

Tot Ion:	83	Resp:	49731
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.0	75.0
127	10.5	6.6	10.0#

Manual Integrations
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#42

Vinyl Acetate

Concen: 96.55 ug/l

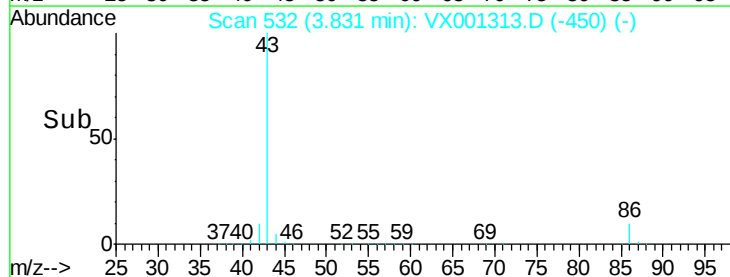
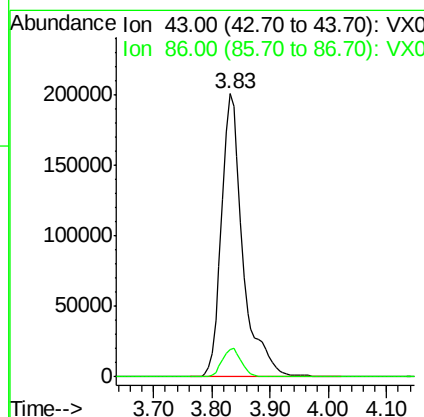
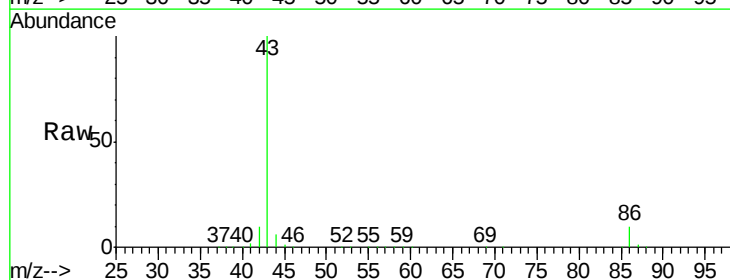
RT: 3.83 min Scan# 532

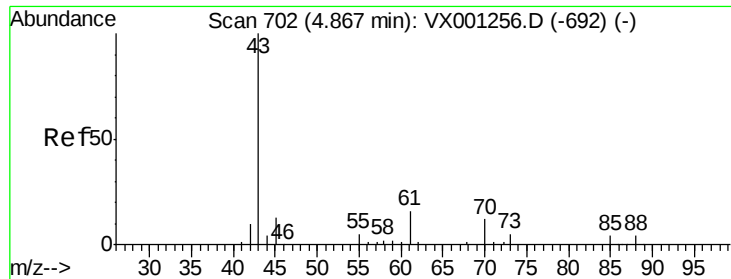
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	43	Resp:	512256
Ion Ratio	Lower	Upper	
43	100		
86	9.0	7.8	11.6





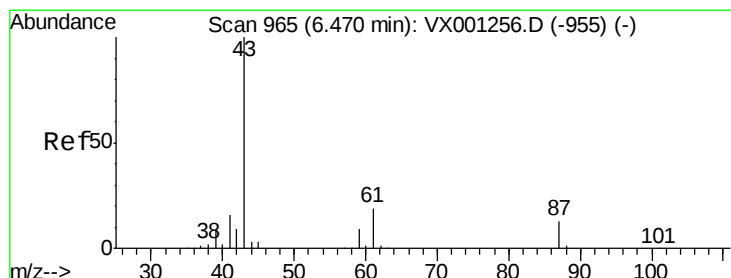
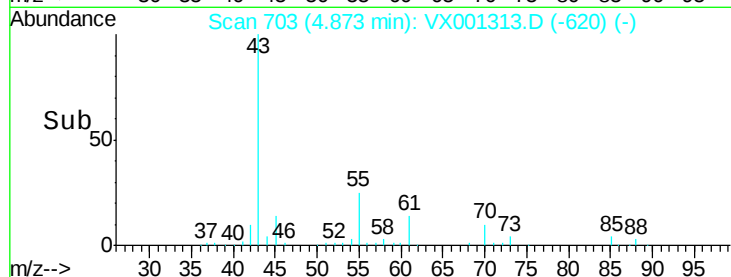
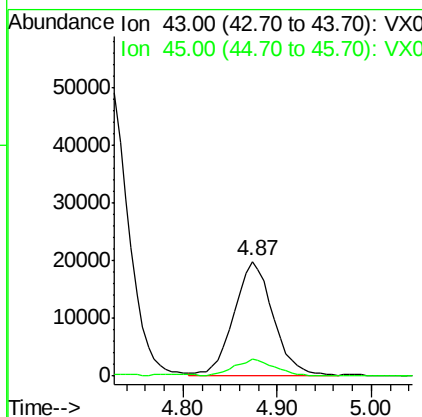
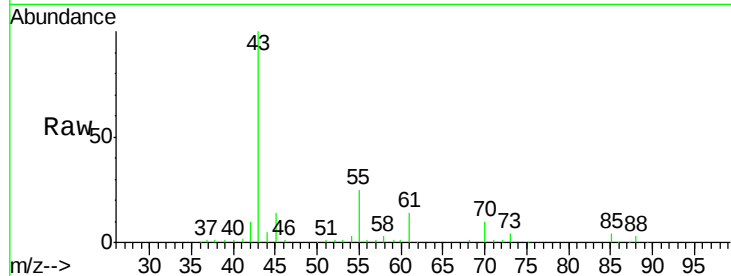
#43
Ethyl Acetate
Concen: 22.01 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS03

Tot Ion: 43 Resp: 57185
Ion Ratio Lower Upper
43 100
45 15.5 11.4 17.0

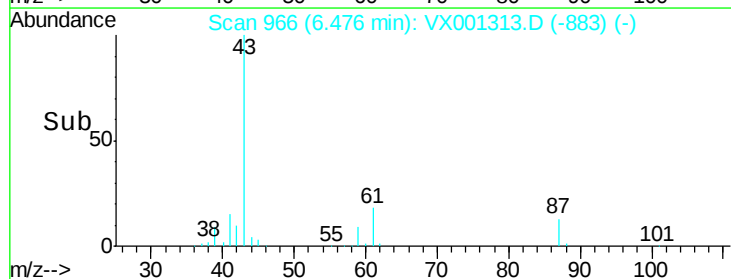
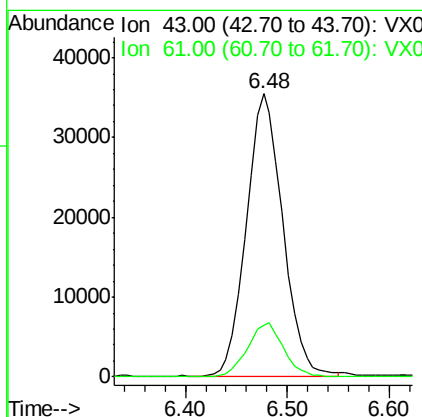
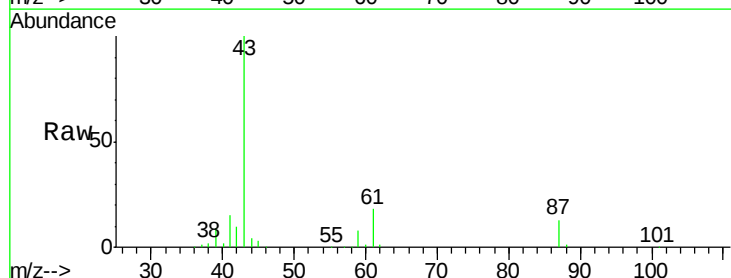
Manual Integrations
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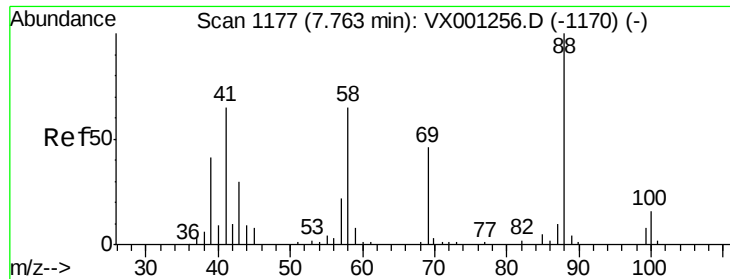
MMDadoda
5/3/2018 12:21:16 PM



#44
Isopropyl Acetate
Concen: 19.93 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion: 43 Resp: 88078
Ion Ratio Lower Upper
43 100
61 18.9 15.7 23.5





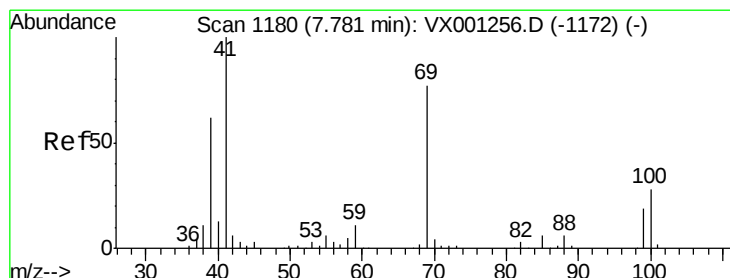
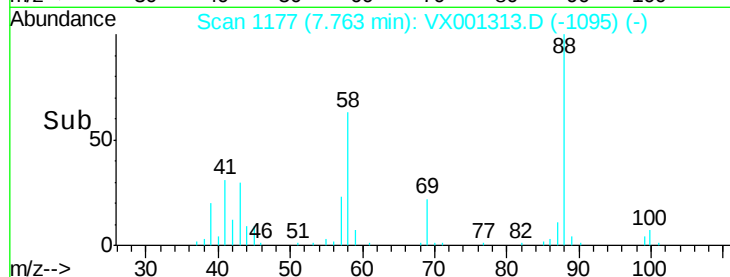
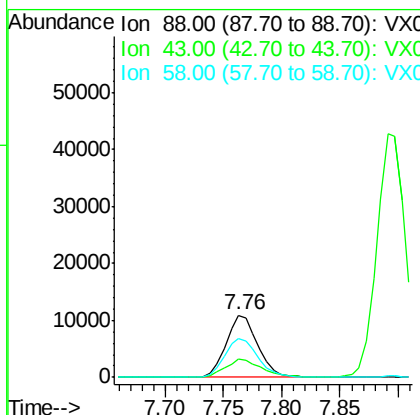
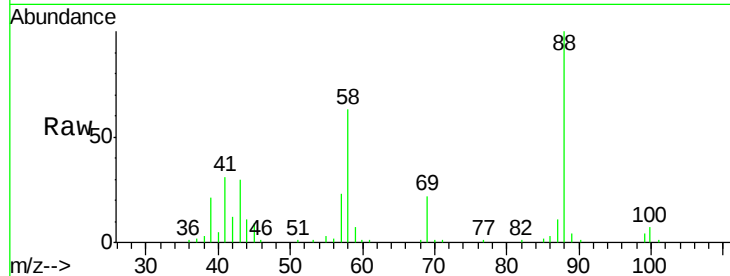
#45
1,4-Dioxane
Concen: 511.69 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.8	40.2
58	65.5	52.1	78.1

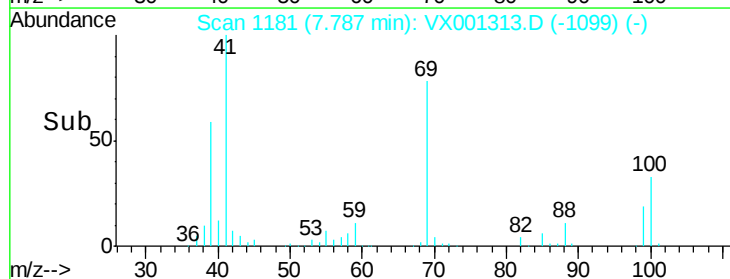
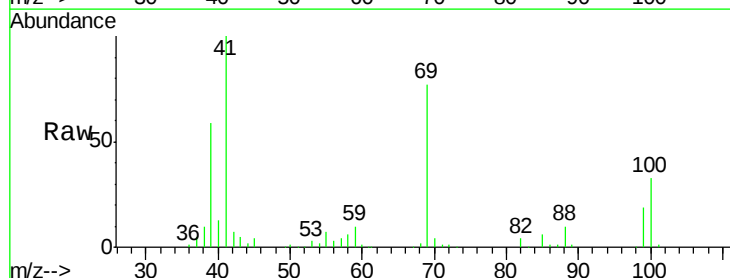
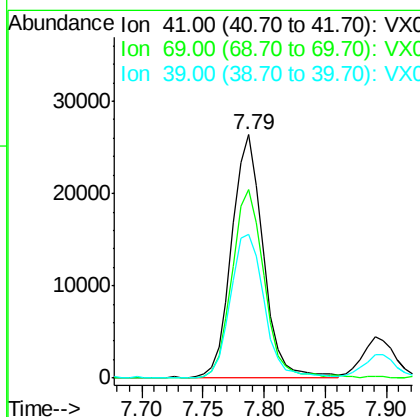
Manual Integrations
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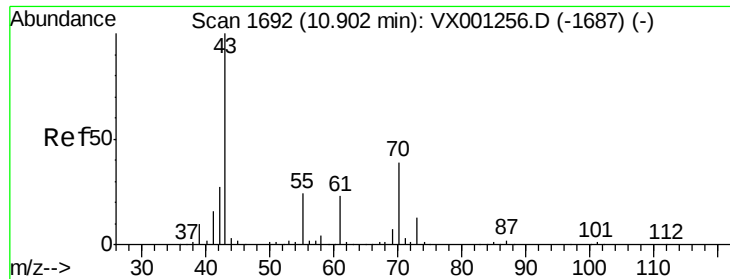
MMDadoda
5/3/2018 12:21:16 PM



#46
Methyl methacrylate
Concen: 20.54 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.5	45.5	136.5
39	58.9	32.5	97.5





#47

n-amvl Acetate

Concen: 19.04 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion: 43 Resp: 80741

Ion Ratio Lower Upper

43 100

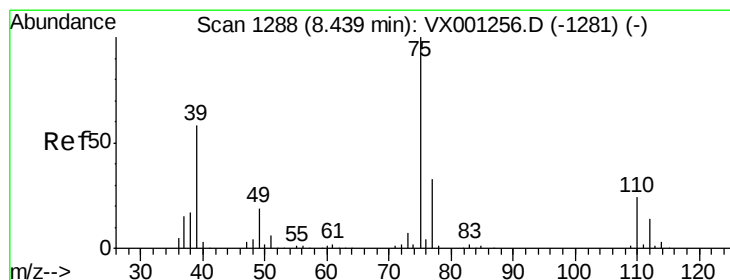
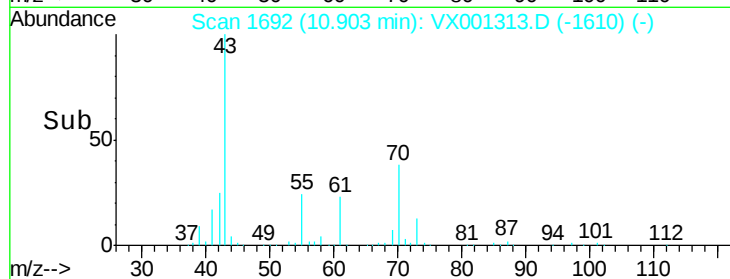
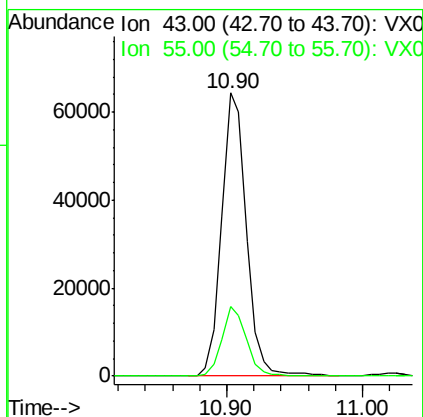
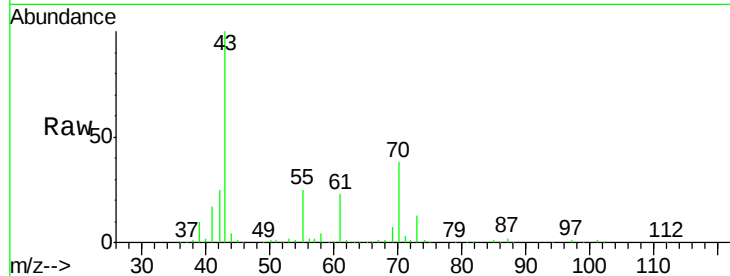
55 24.1 19.4 29.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.79 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001313.D

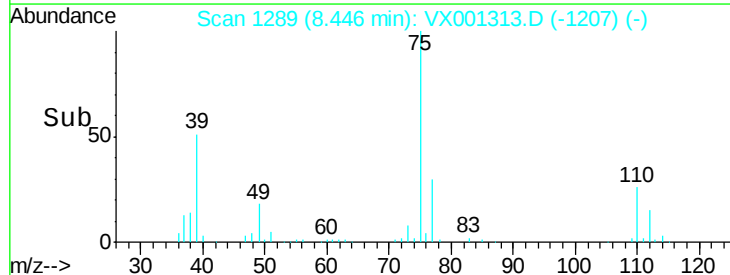
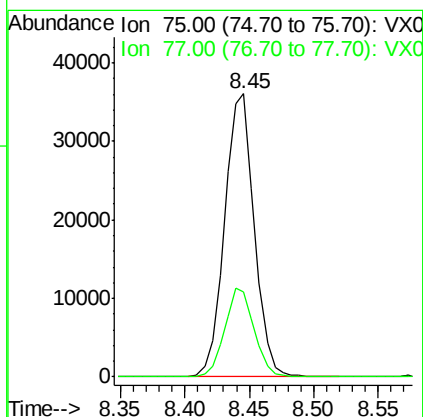
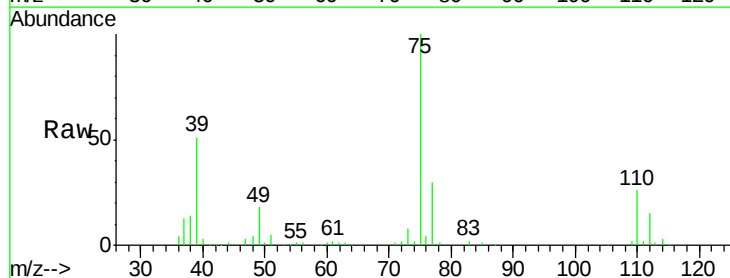
Acq: 02 May 2018 12:27

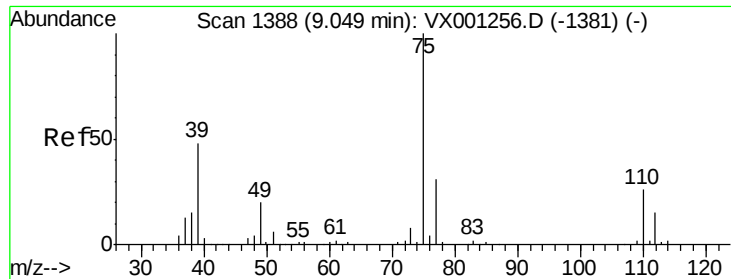
Tgt Ion: 75 Resp: 58157

Ion Ratio Lower Upper

75 100

77 29.9 24.6 37.0





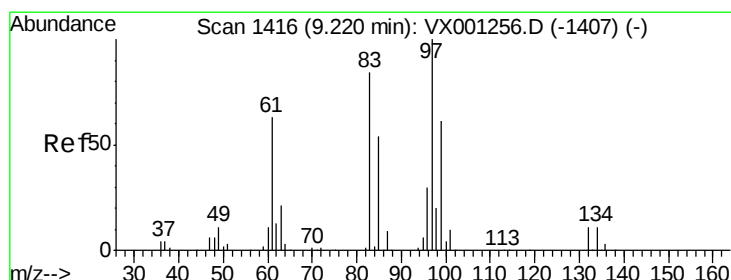
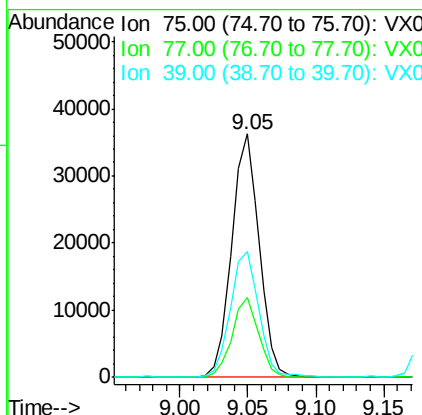
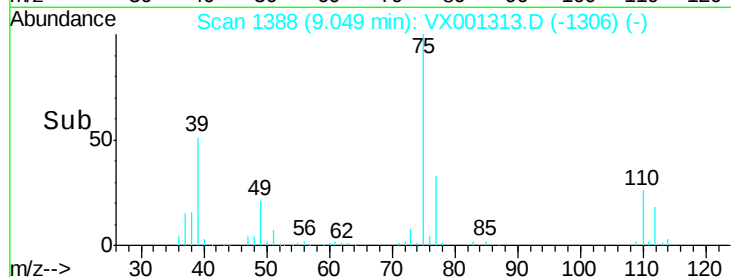
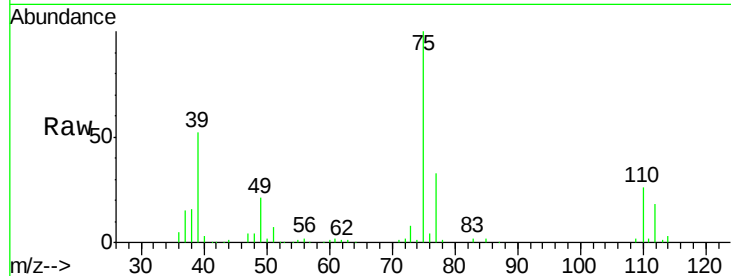
#49
 cis-1,3-Dichloropropene
 Concen: 17.21 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion:	75	Resp:	51010
Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.5	36.7
39	51.4	35.6	53.4

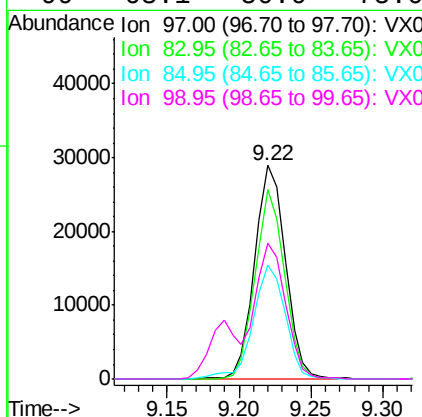
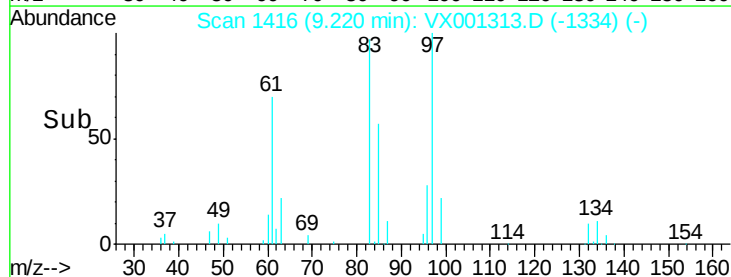
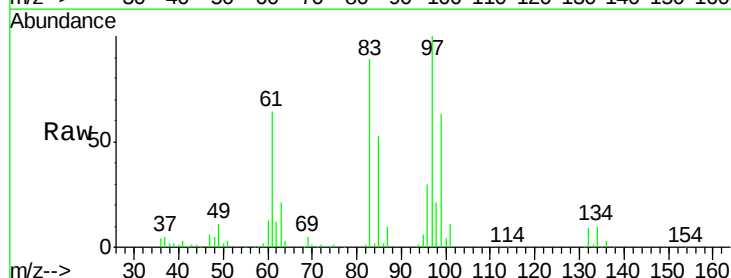
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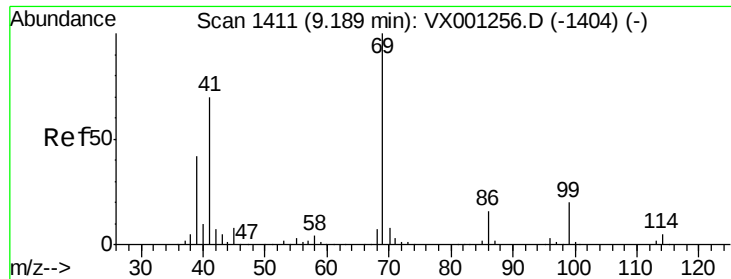
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.78 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion:	97	Resp:	42948
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.9	100.3
85	53.3	44.4	66.6
99	63.1	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.57 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

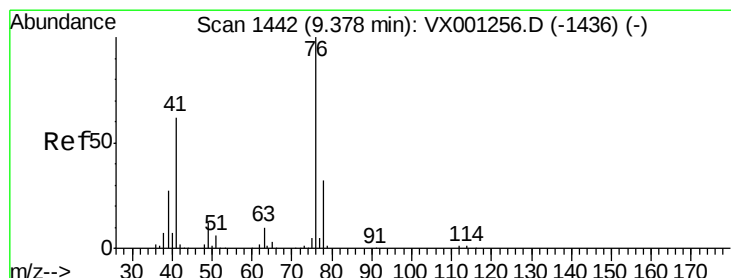
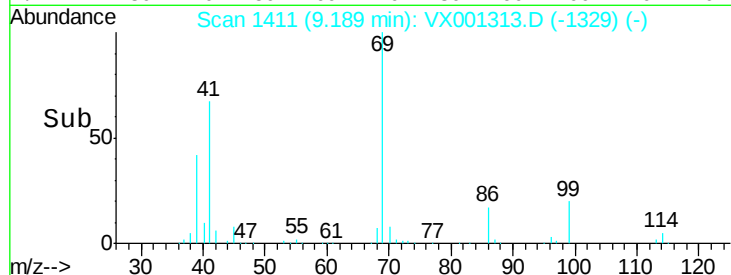
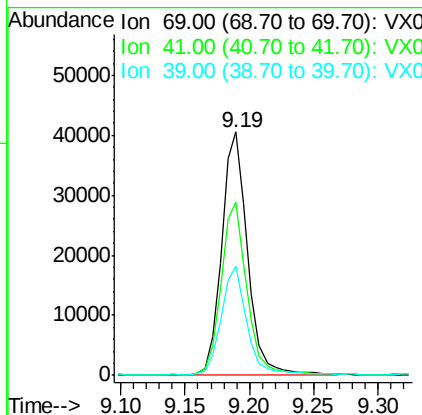
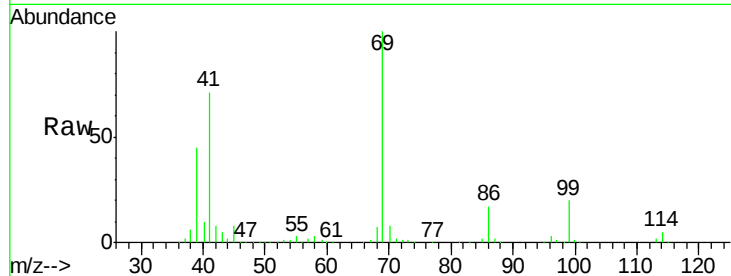
ClientSampled :

VX0502WBS03

Tot Ion:	69	Resp:	57627
Ion	Ratio	Lower	Upper
69	100		
41	70.9	32.1	96.3
39	44.7	19.6	58.7

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#52

1,3-Dichloropropane

Concen: 20.43 ug/l

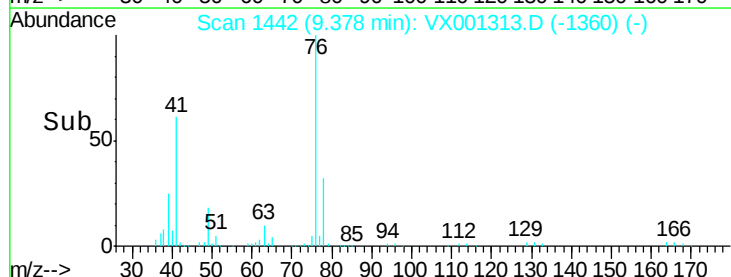
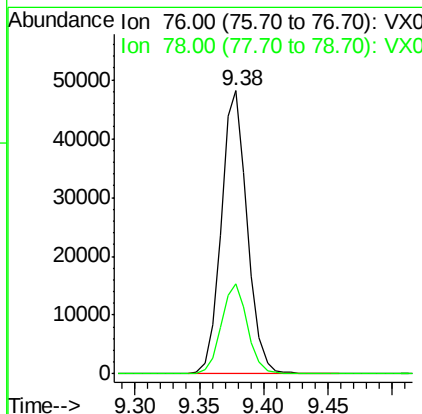
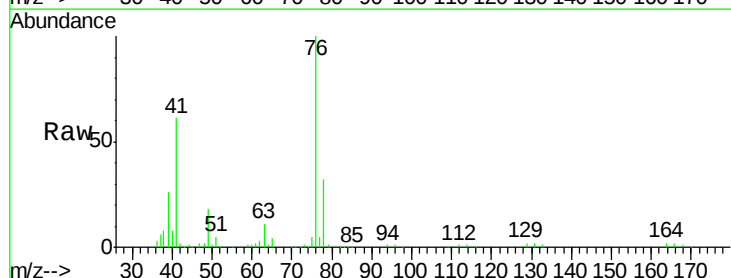
RT: 9.38 min Scan# 1442

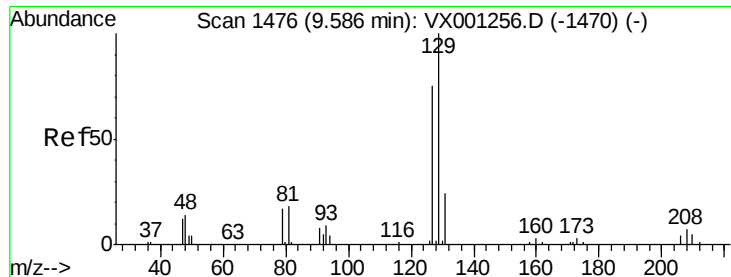
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	76	Resp:	68254
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.0





#53

Dibromochloromethane

Concen: 18.50 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion:129 Resp: 42191

Ion Ratio Lower Upper

129 100

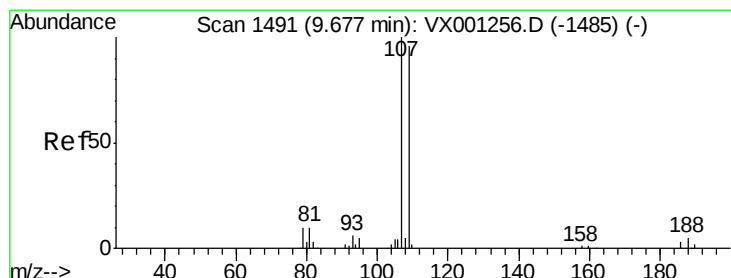
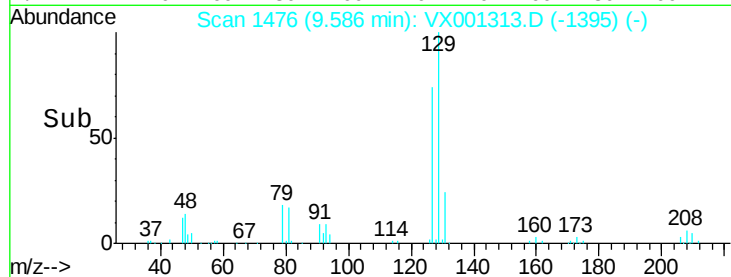
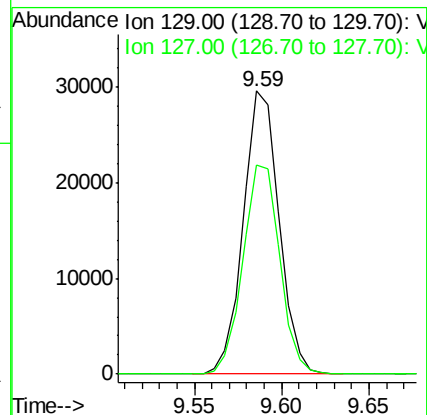
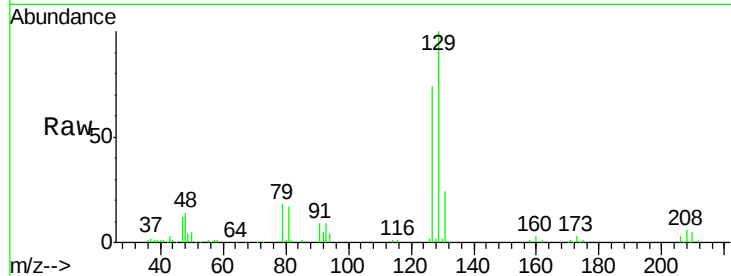
127 76.0 37.5 112.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.98 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001313.D

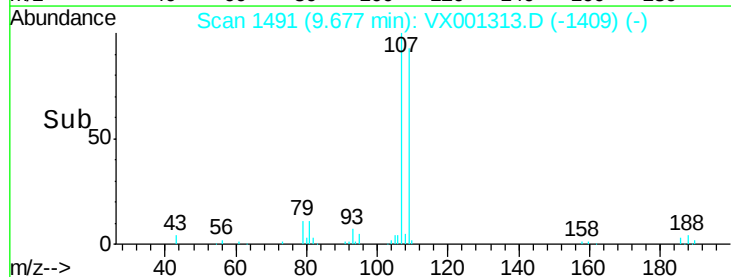
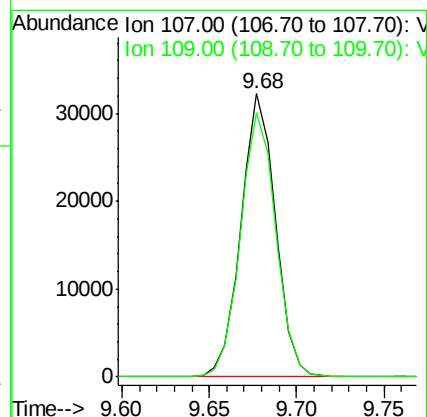
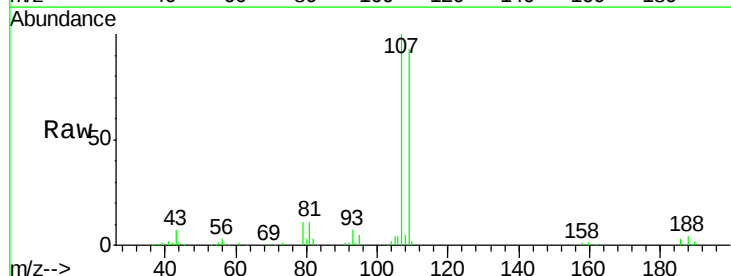
Acq: 02 May 2018 12:27

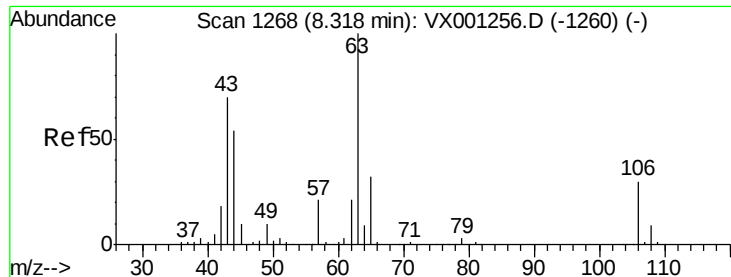
Tgt Ion:107 Resp: 44204

Ion Ratio Lower Upper

107 100

109 95.9 74.5 111.7





#55

2-Chloroethyl vinyl ether

Concen: 102.96 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion: 63 Resp: 148524

Ion Ratio Lower Upper

63 100

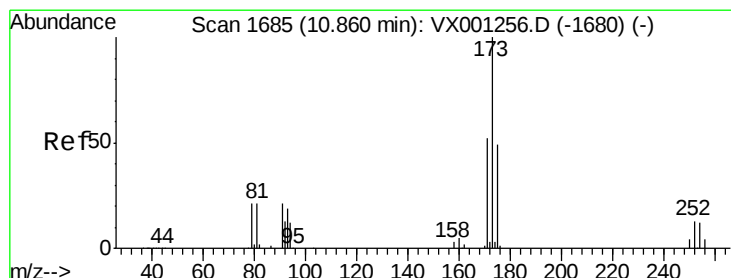
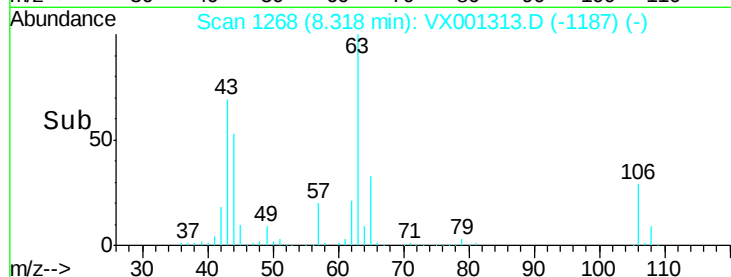
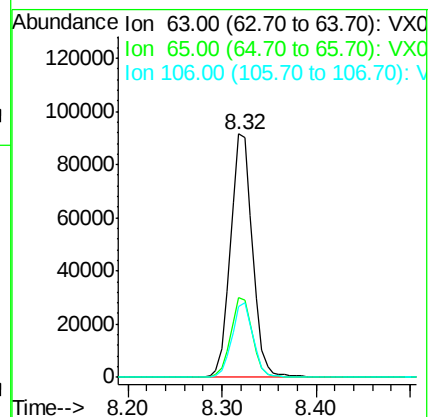
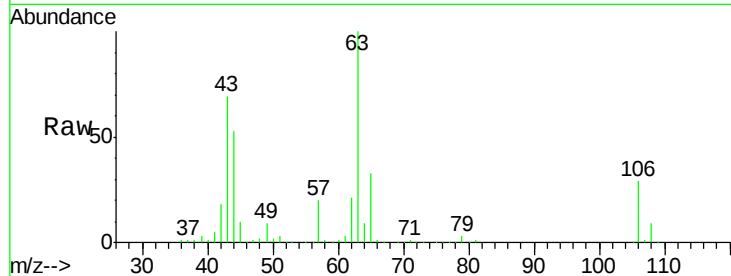
65 32.0 25.8 38.8

106 29.7 23.8 35.6

Manual Integrations
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#56

Bromoform

Concen: 18.08 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

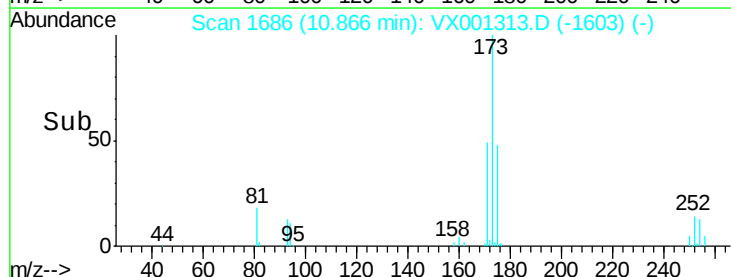
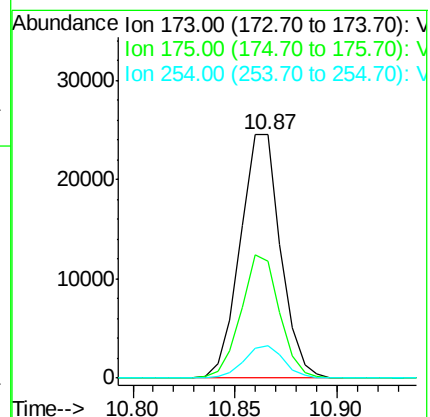
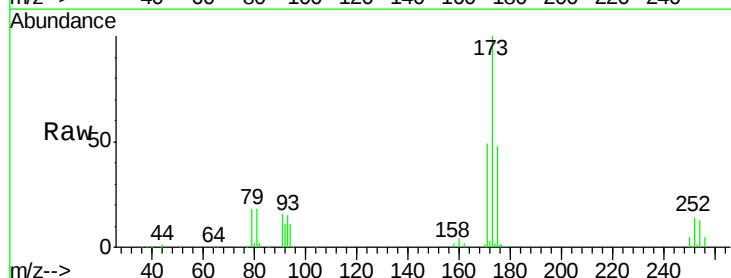
Tgt Ion:173 Resp: 33747

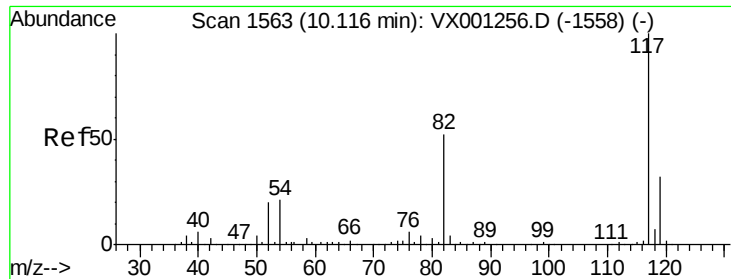
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 13.1 7.0 10.4#





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS03

Tot Ion:117 Resp: 166088

Ion Ratio Lower Upper

117 100

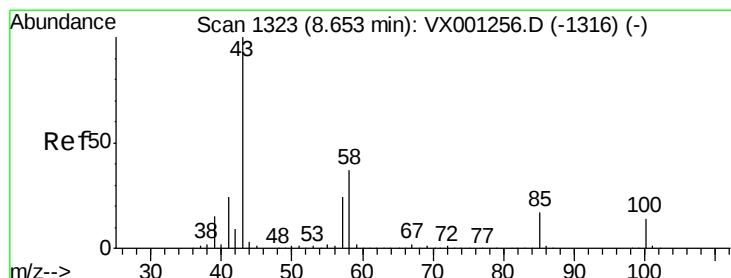
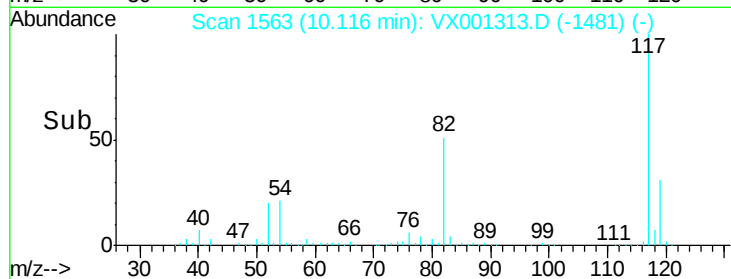
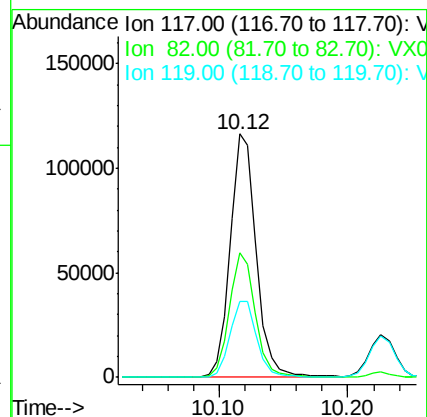
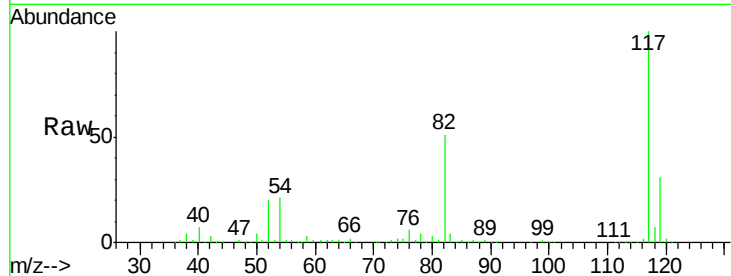
82 50.7 43.0 64.4

119 32.3 25.8 38.8

Manual Integrations
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#58

4-Methyl-2-Pentanone

Concen: 110.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

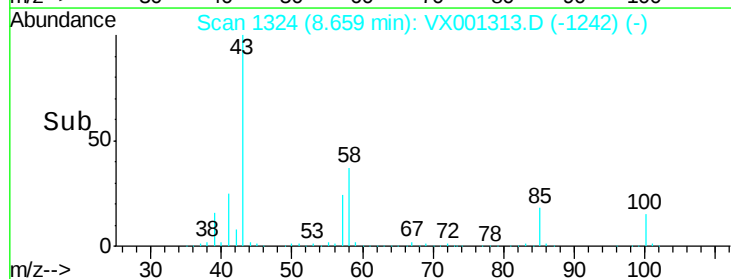
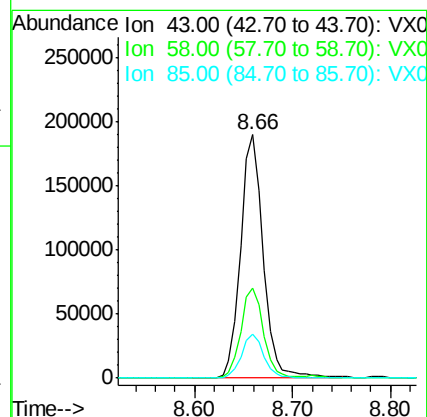
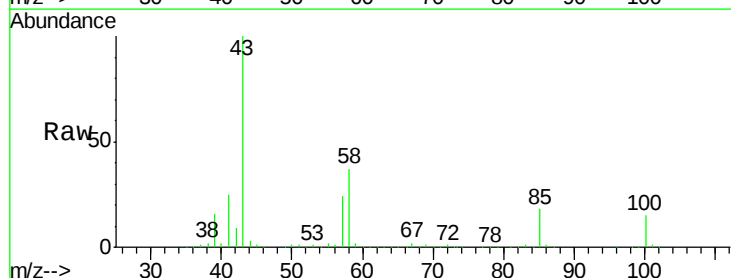
Tgt Ion: 43 Resp: 305536

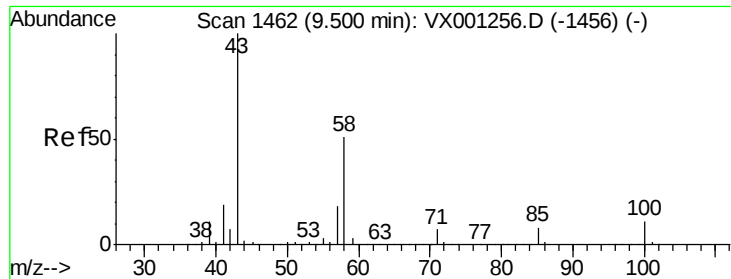
Ion Ratio Lower Upper

43 100

58 36.8 29.8 44.8

85 17.8 14.9 22.3





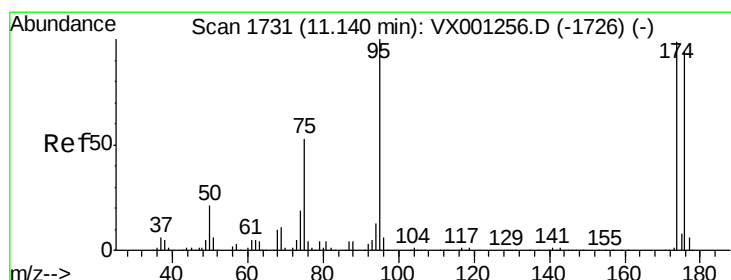
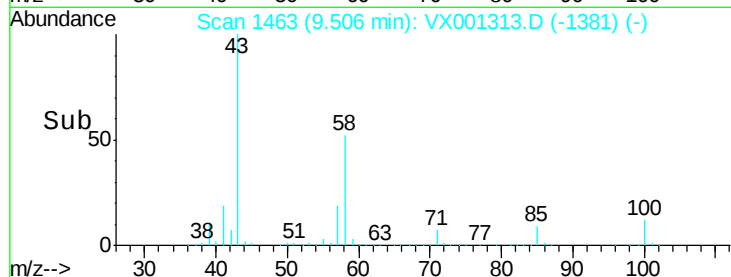
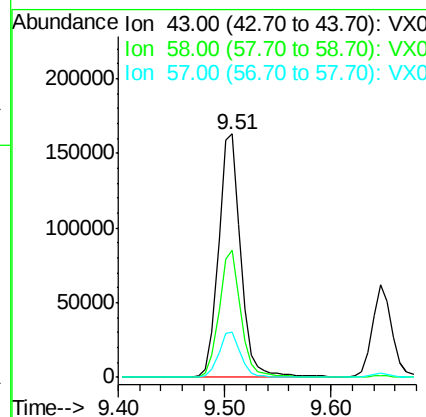
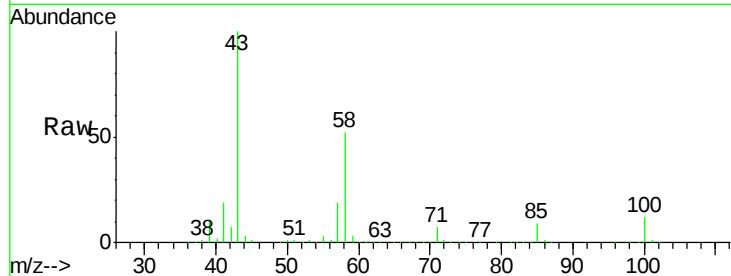
#59
2-Hexanone
Concen: 108.67 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	43.0	64.6
57	18.2	14.4	21.6

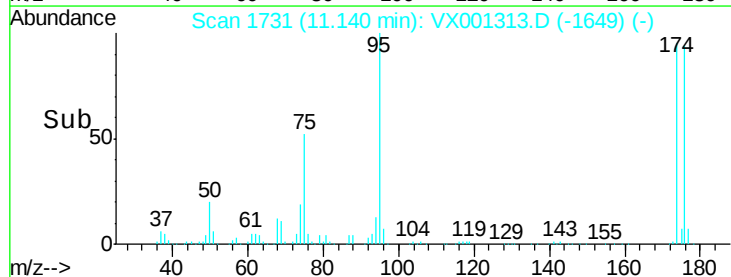
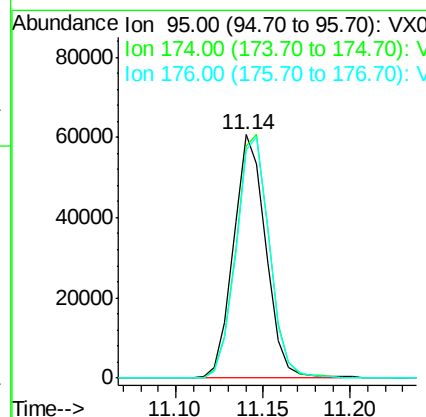
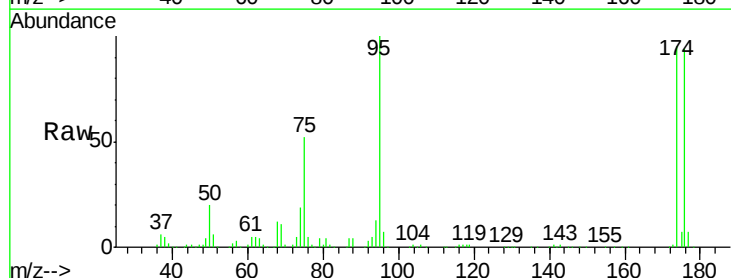
Manual Integrations
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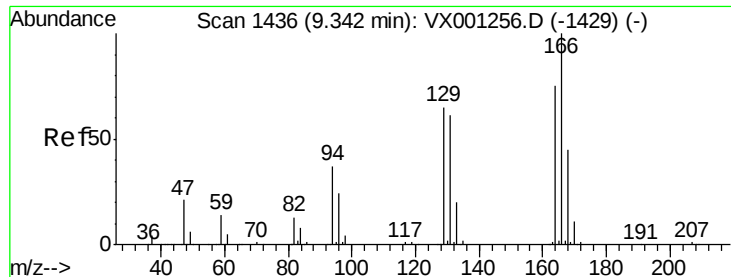
MMDadoda
5/3/2018 12:21:16 PM



#60
4-Bromofluorobenzene
Concen: 28.03 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.8	71.1	106.7
176	102.0	69.3	103.9





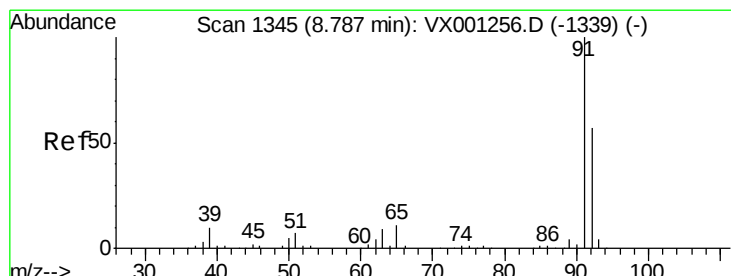
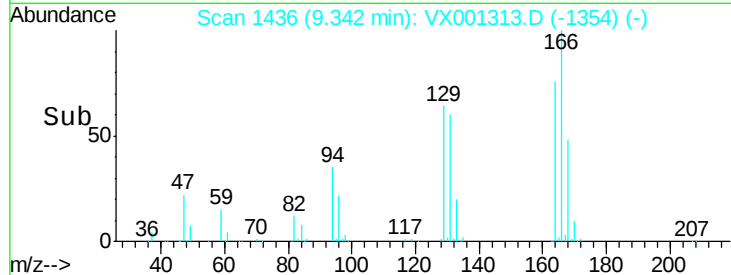
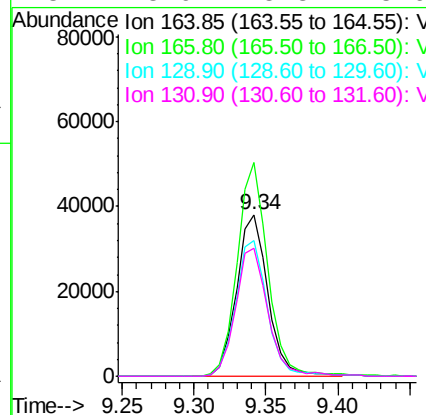
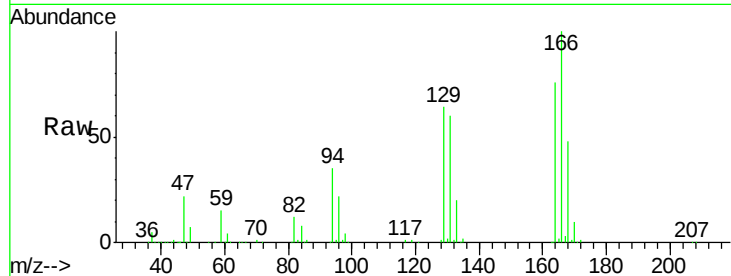
#61
 Tetrachloroethene
 Concen: 22.74 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion:	164	Resp:	57884
Ion	Ratio	Lower	Upper
164	100		
166	131.9	99.0	148.4
129	83.9	77.0	115.6
131	78.9	75.8	113.6

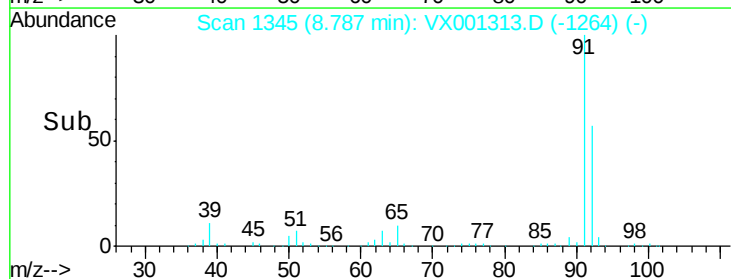
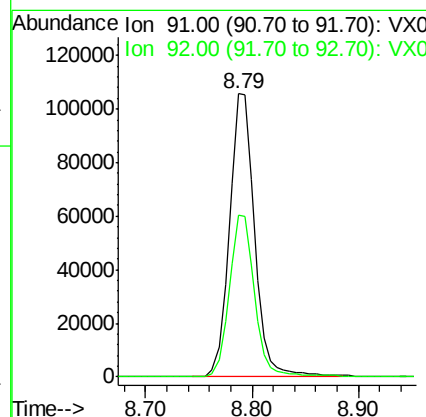
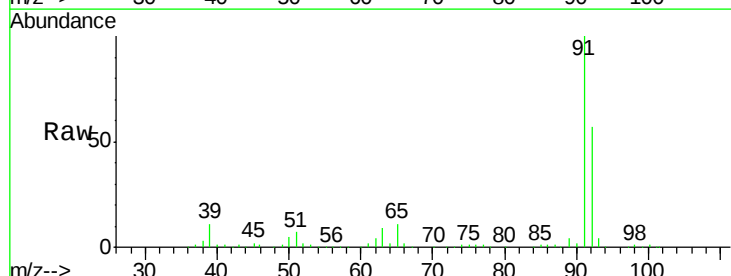
Manual Integrations
 APPROVED

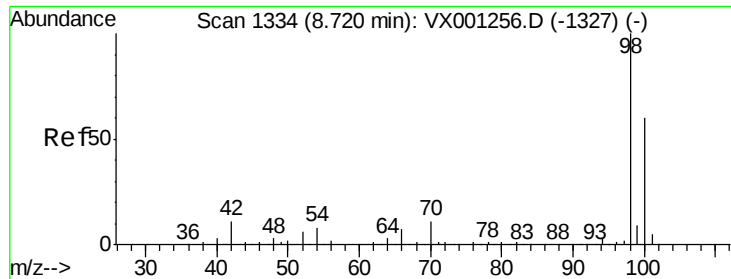
MMDadoda
 5/3/2018 12:21:16 PM



#62
 Toluene
 Concen: 19.59 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion:	91	Resp:	174872
Ion	Ratio	Lower	Upper
91	100		
92	57.4	45.4	68.0





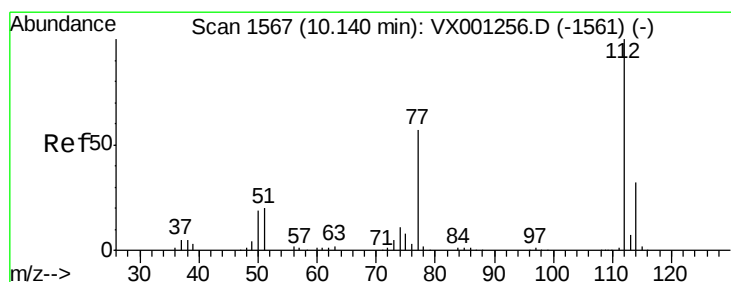
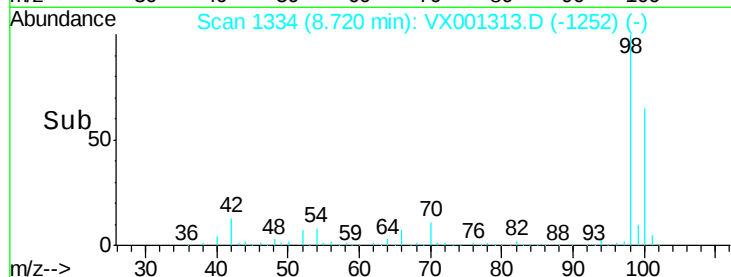
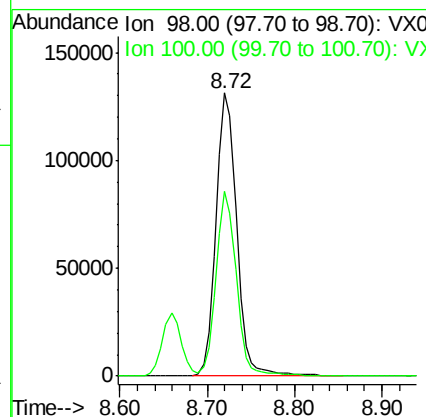
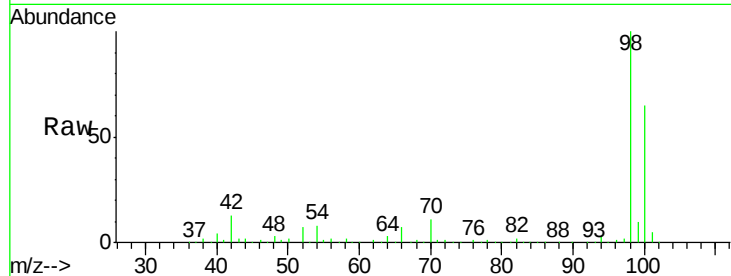
#63
Toluene-d8
Concen: 30.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion: 98 Resp: 215086
Ion Ratio Lower Upper
98 100
100 63.6 50.0 75.0

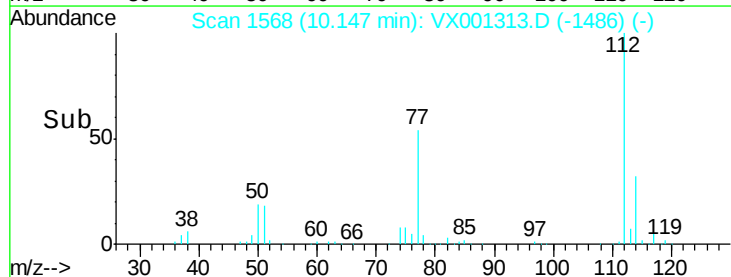
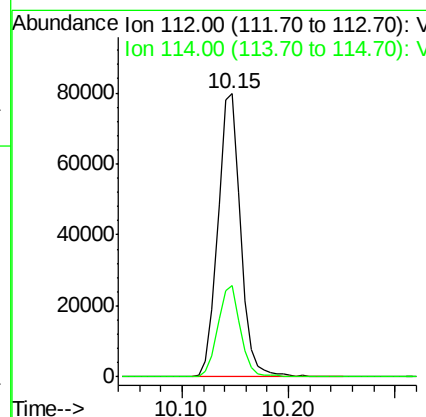
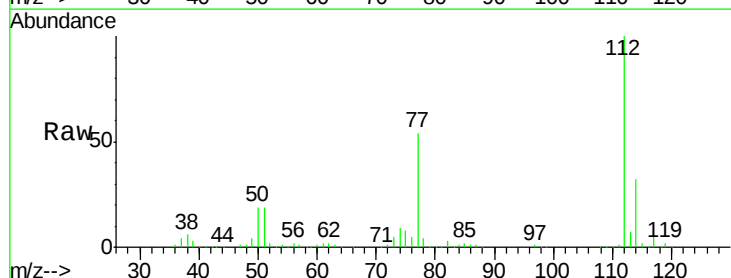
Manual Integrations
APPROVED

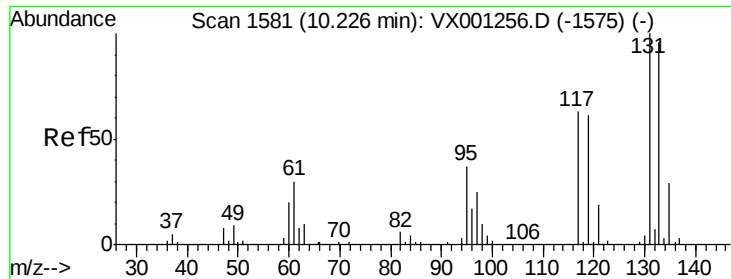
MMDadoda
5/3/2018 12:21:16 PM



#64
Chlorobenzene
Concen: 19.47 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion: 112 Resp: 117258
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.10 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

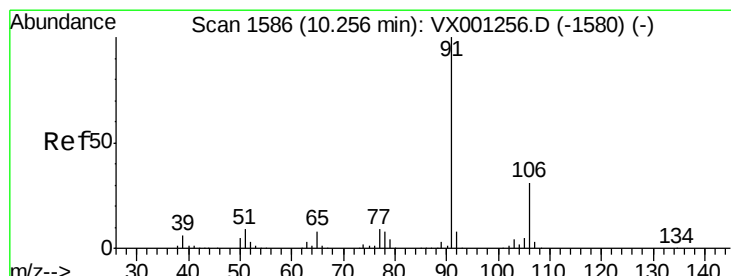
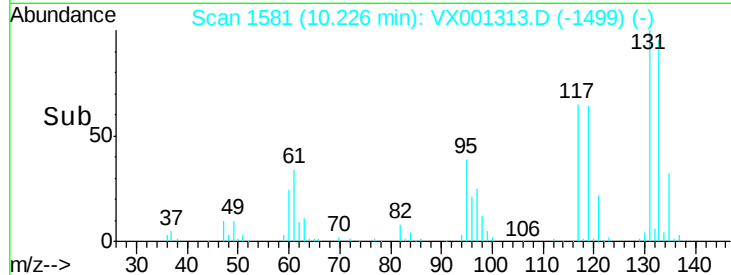
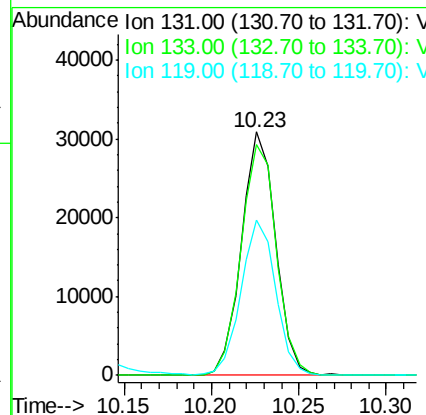
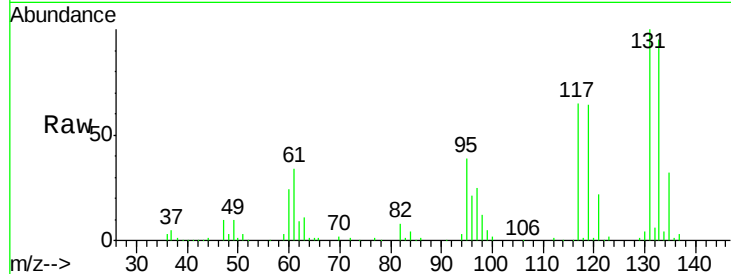
ClientSampled :

VX0502WBS03

Tot Ion:	131	Resp:	41997
Ion	Ratio	Lower	Upper
131	100		
133	97.9	0.0	187.6
119	64.8	0.0	134.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.11 ug/l

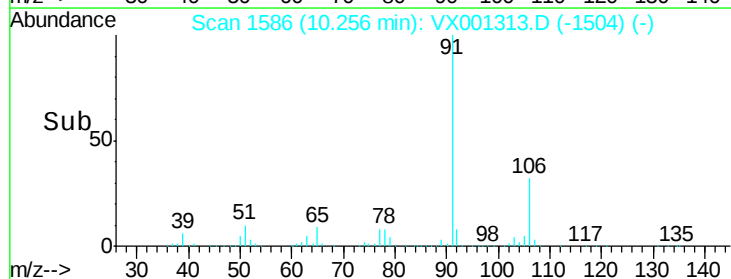
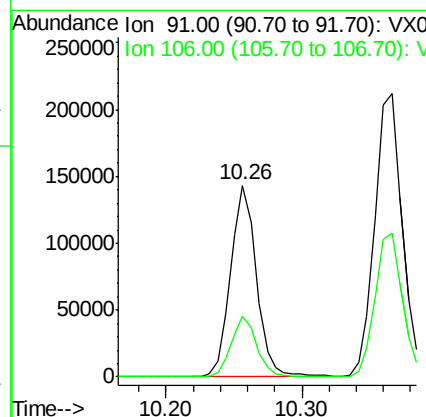
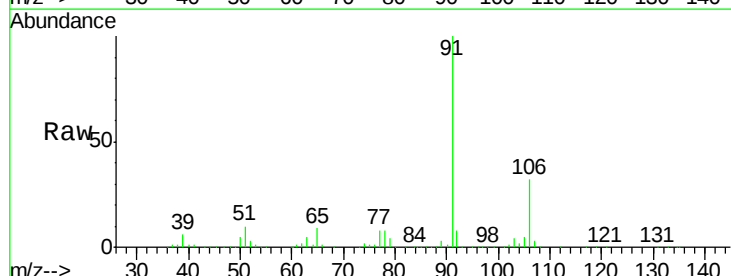
RT: 10.26 min Scan# 1586

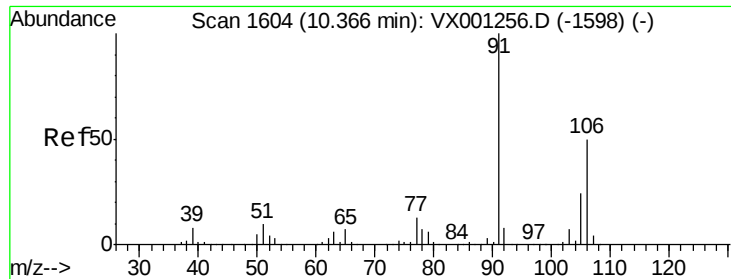
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	91	Resp:	190372
Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.9	38.9





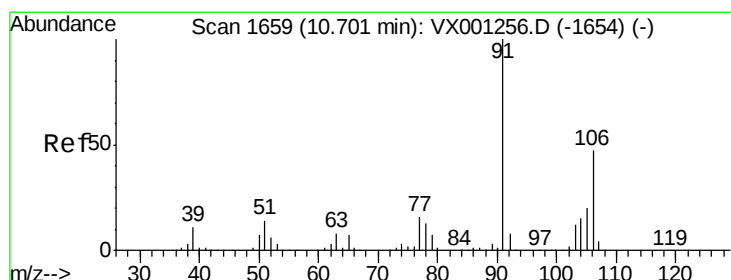
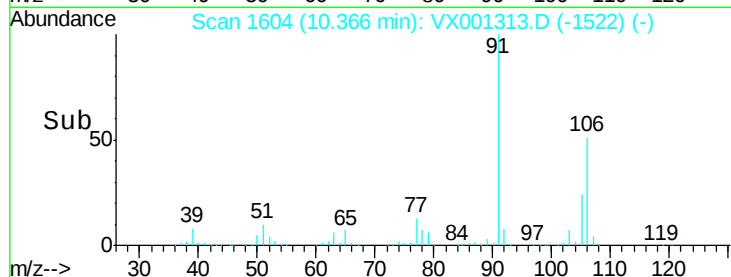
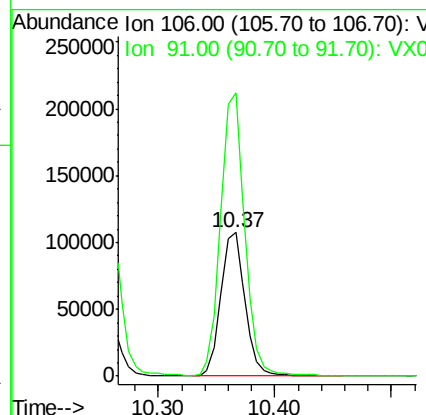
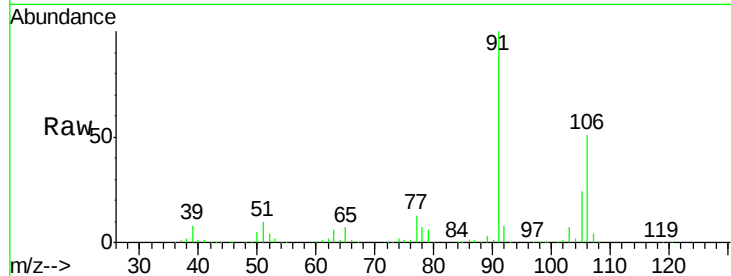
#67
m/p-Xylenes
Concen: 38.80 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion:106 Resp: 153548
Ion Ratio Lower Upper
106 100
91 197.6 161.6 242.4

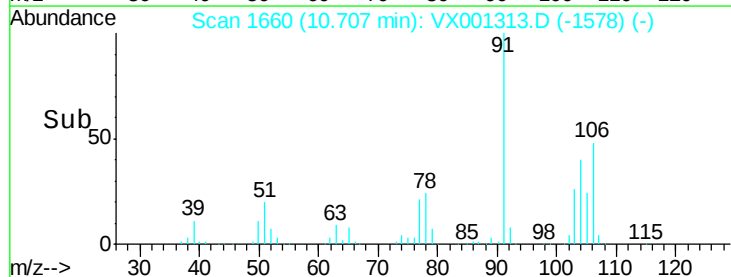
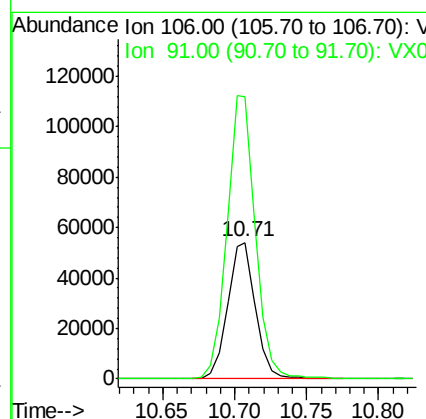
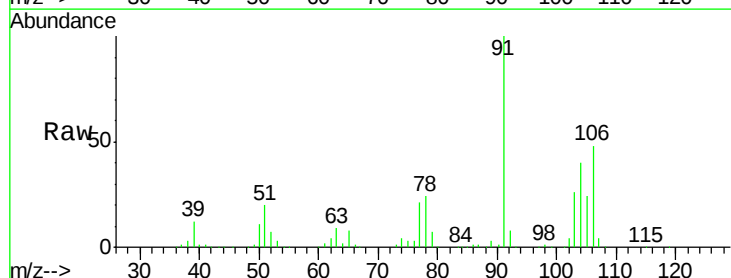
Manual Integrations
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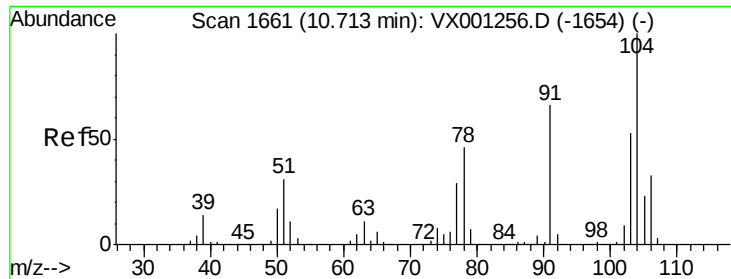
MMDadoda
5/3/2018 12:21:16 PM



#68
o-Xylene
Concen: 19.23 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion:106 Resp: 73547
Ion Ratio Lower Upper
106 100
91 210.1 105.6 316.8





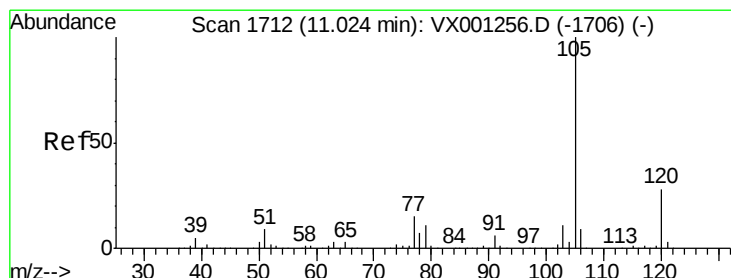
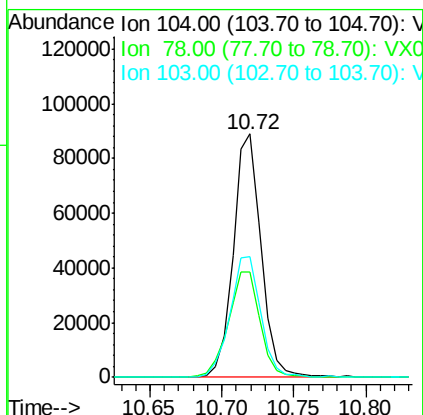
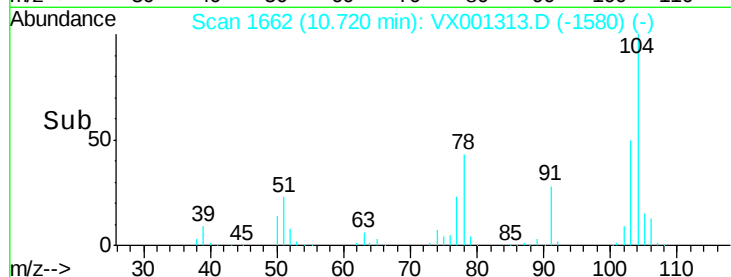
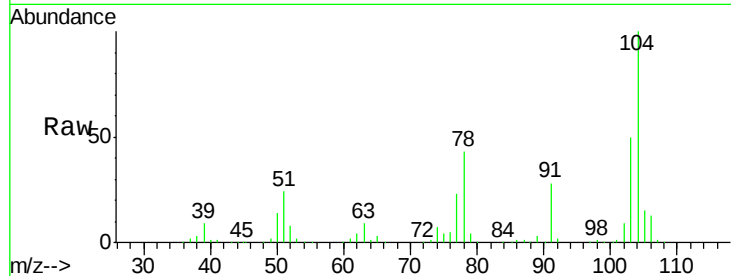
#69
Stvrene
Concen: 18.89 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.4
103	55.2	44.7	67.1

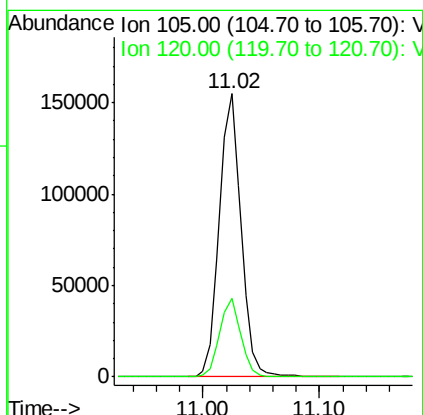
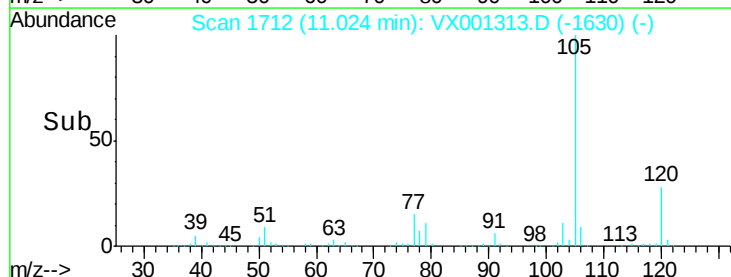
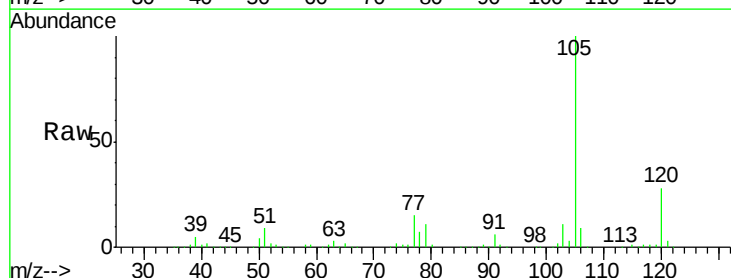
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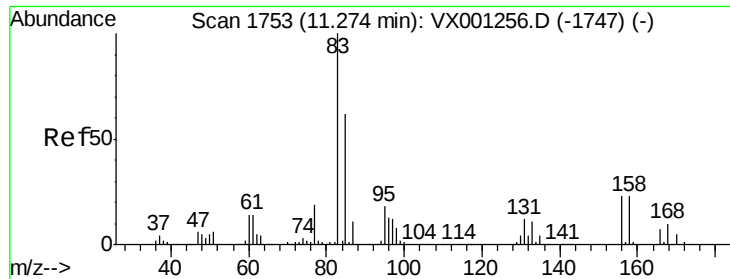
MMDadoda
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#70
Isopropylbenzene
Concen: 19.19 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.8	35.0





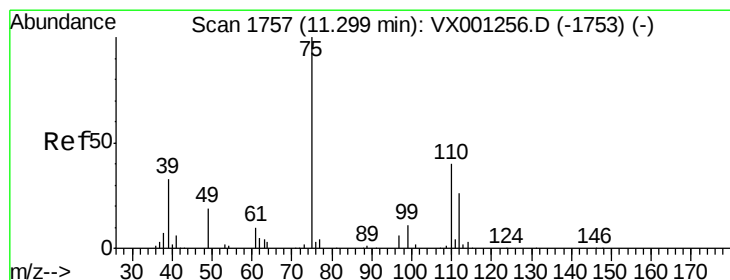
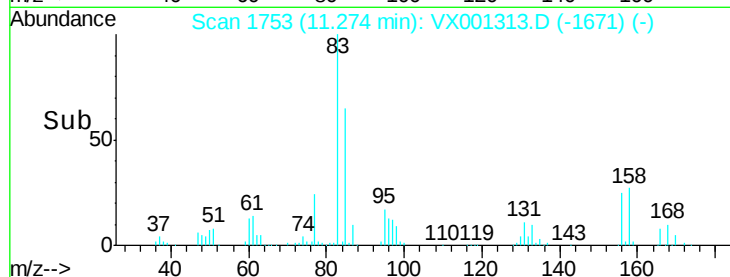
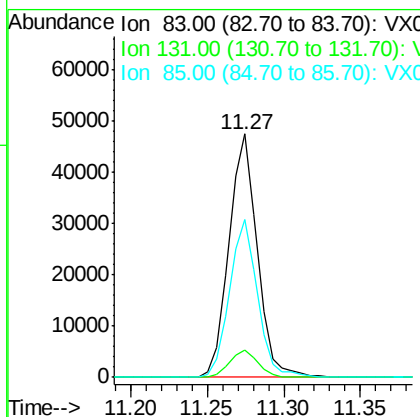
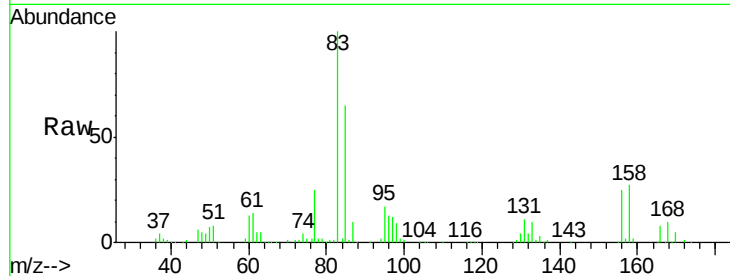
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.93 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion	83	Resp	60731
Ion Ratio	100	Lower	Upper
83	100		
131	11.5	5.3	16.1
85	64.4	32.5	97.5

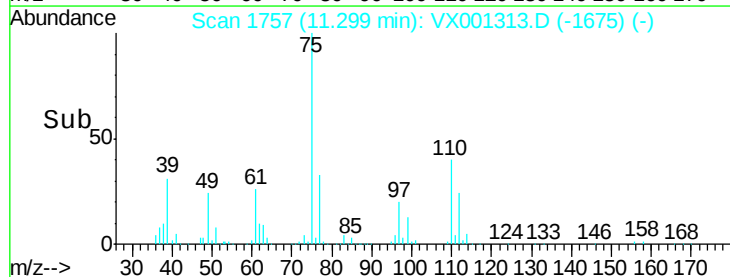
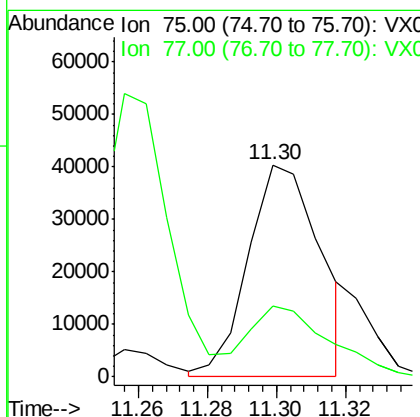
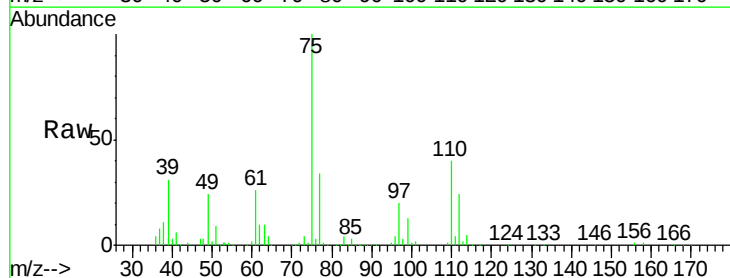
Manual Integrations
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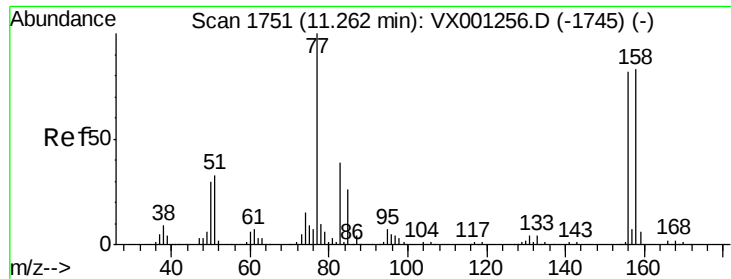
MMDadoda
 5/3/2018 12:21:16 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.45 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion	75	Resp	58497
Ion Ratio	100	Lower	Upper
75	100		
77	39.1	0.0	85.8





#73

Bromobenzene

Concen: 19.53 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS03

Tot Ion:156 Resp: 58965

Ion Ratio Lower Upper

156 100

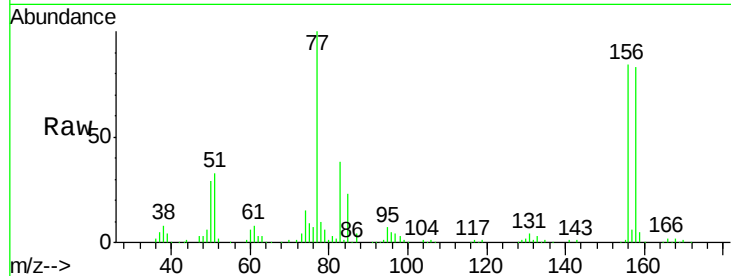
77 123.9 0.0 280.2

158 98.7 0.0 197.2

Manual Integrations
APPROVED

MMDadoda

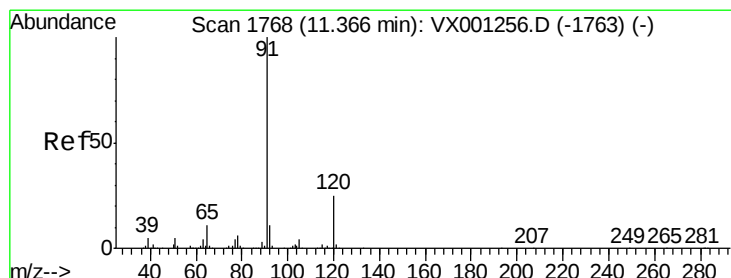
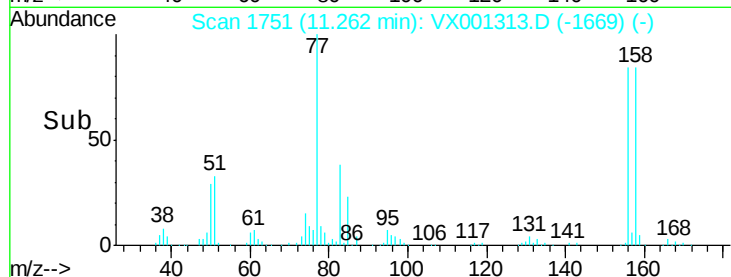
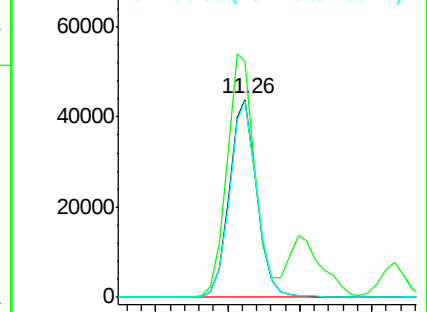
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.89 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001313.D

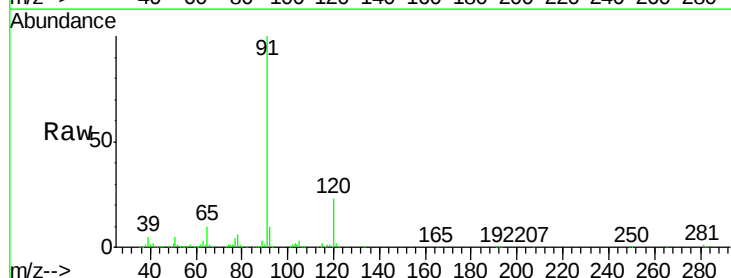
Acq: 02 May 2018 12:27

Tgt Ion: 91 Resp: 221681

Ion Ratio Lower Upper

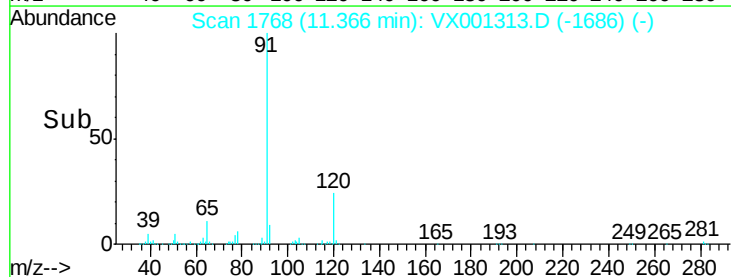
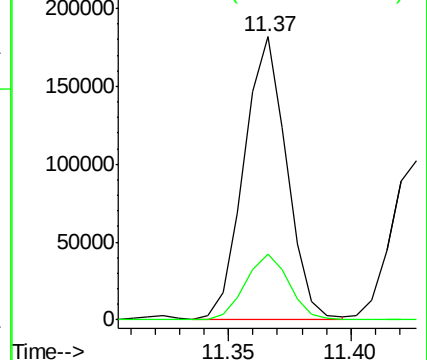
91 100

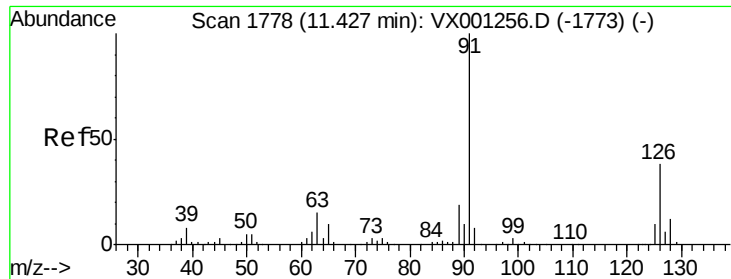
120 23.9 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.95 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS03

Tot Ion: 91 Resp: 134216

Ion Ratio Lower Upper

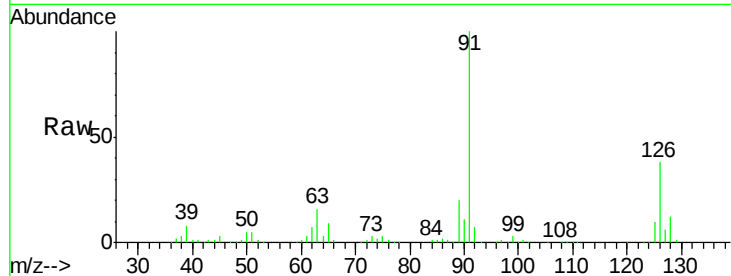
91 100

126 36.7 0.0 71.4

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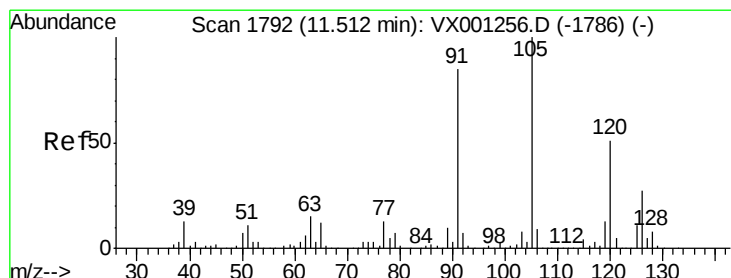
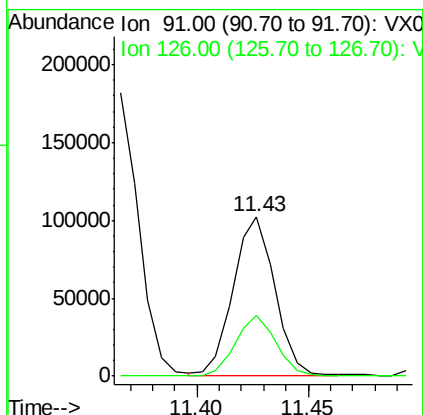
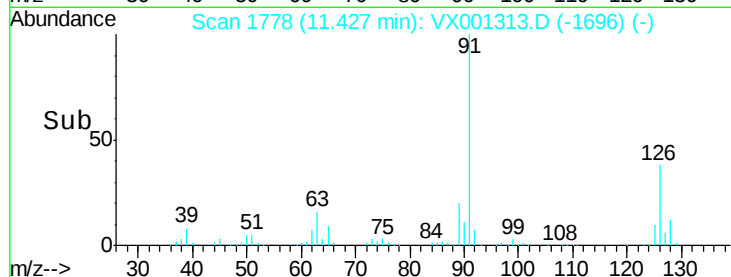
MMDadoda

5/3/2018 12:21:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.05 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001313.D

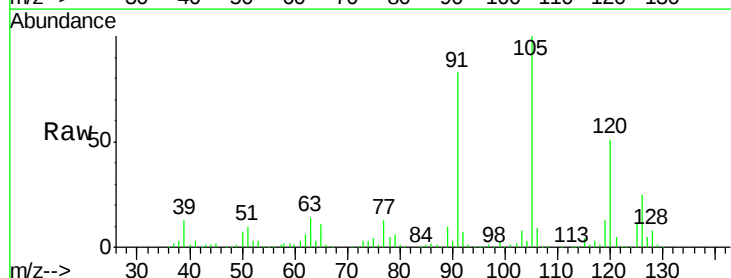
Acq: 02 May 2018 12:27

Tgt Ion: 105 Resp: 168631

Ion Ratio Lower Upper

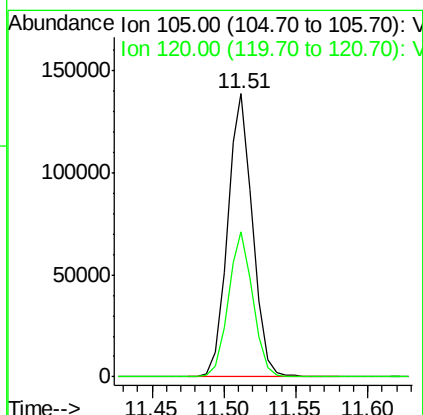
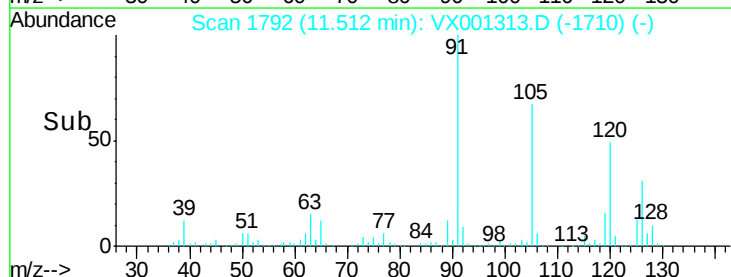
105 100

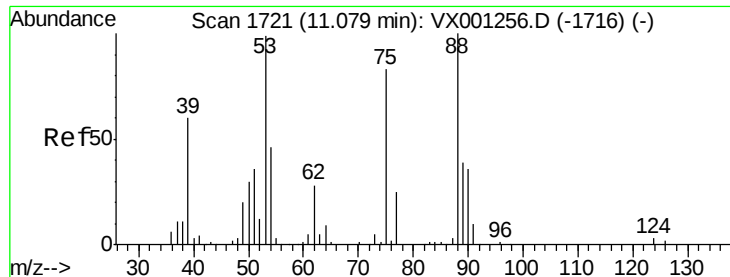
120 50.5 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





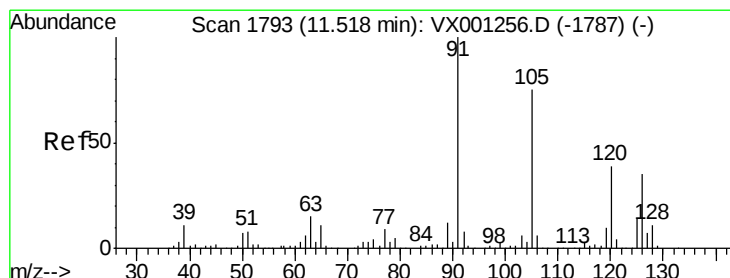
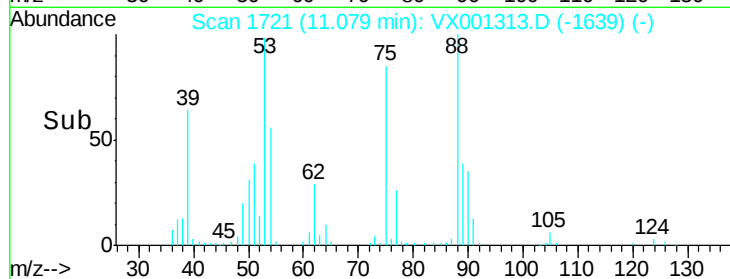
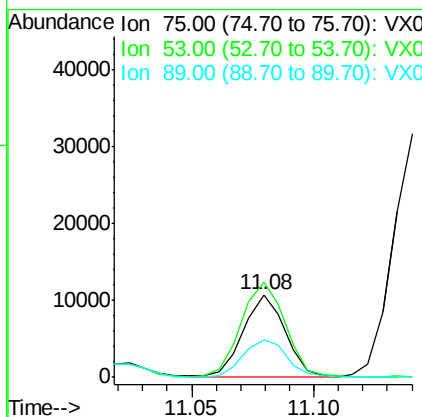
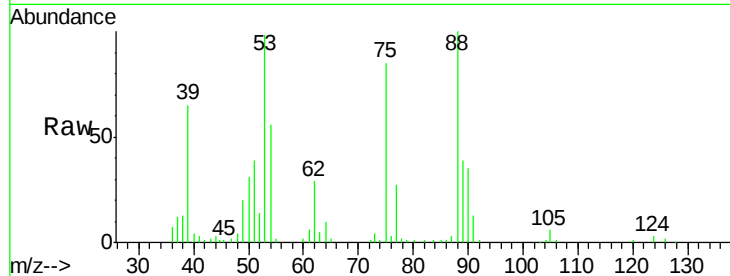
#77
t-1,4-Dichloro-2-butene
Concen: 15.90 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.2	47.8	143.3
89	45.5	22.3	66.8

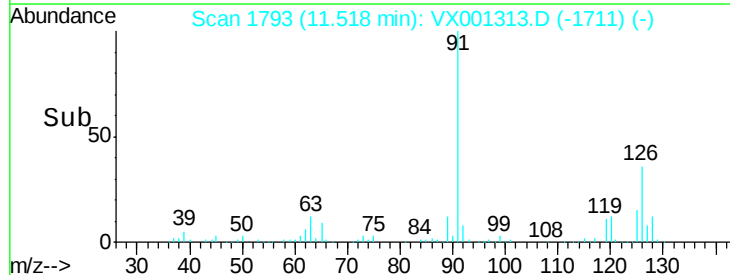
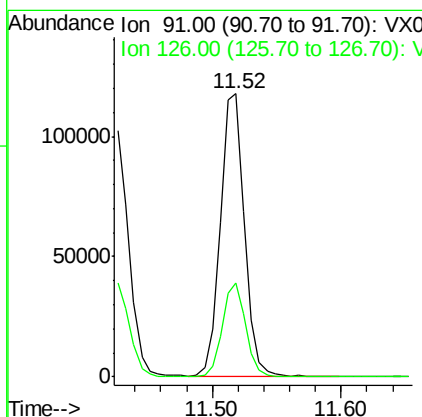
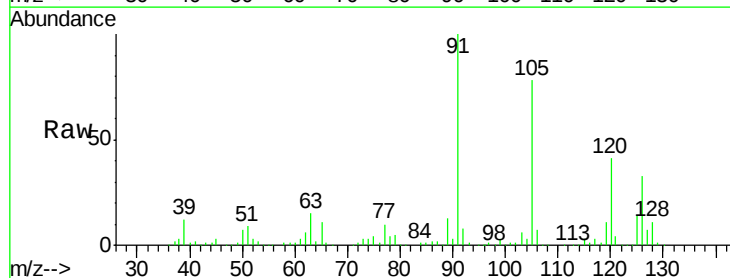
Manual Integrations
APPROVED

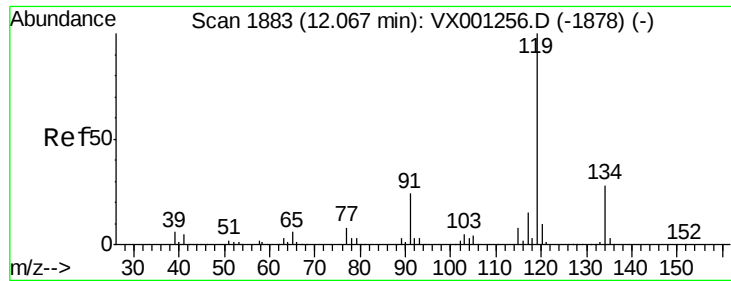
MMDadoda
5/3/2018 12:21:16 PM



#78
4-Chlorotoluene
Concen: 18.43 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	63.4





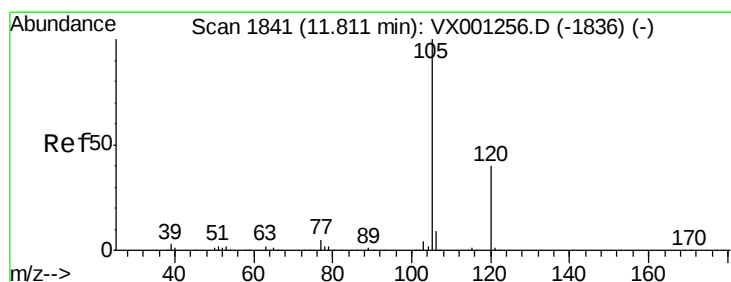
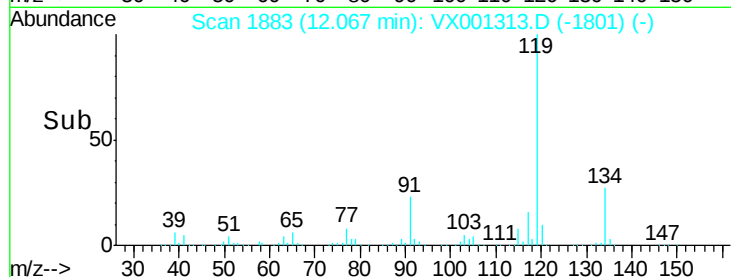
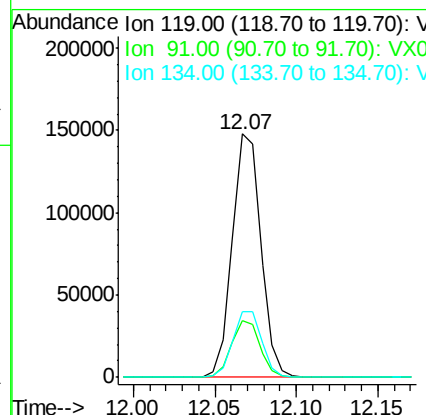
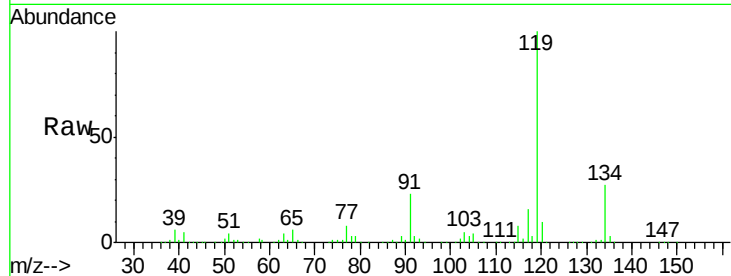
#79
tert-butylbenzene
Concen: 19.07 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	180577		
91	23.4	0.0	51.6	
134	27.4	0.0	60.2	

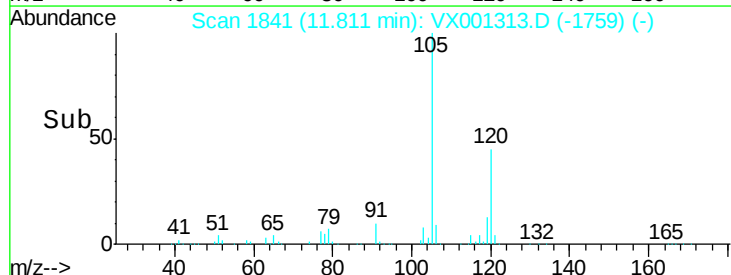
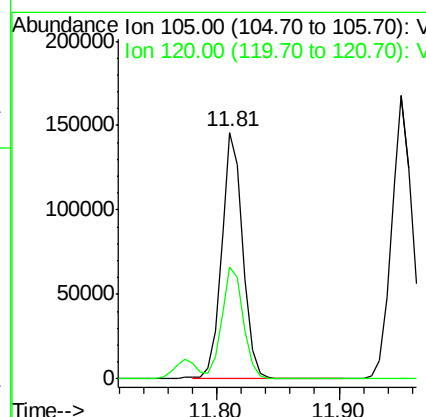
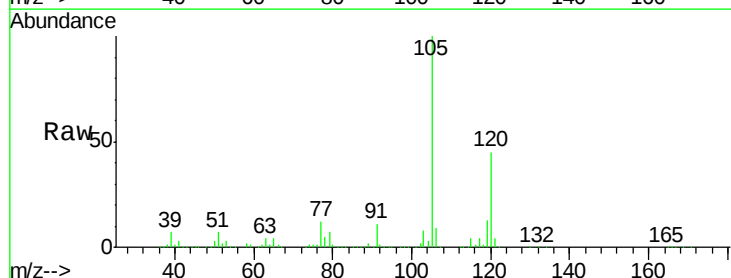
Manual Integrations
APPROVED

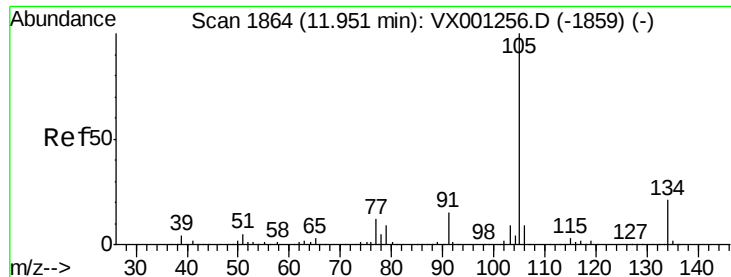
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#80
1,2,4-Trimethylbenzene
Concen: 19.39 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	174689		
120	46.0	0.0	93.0	





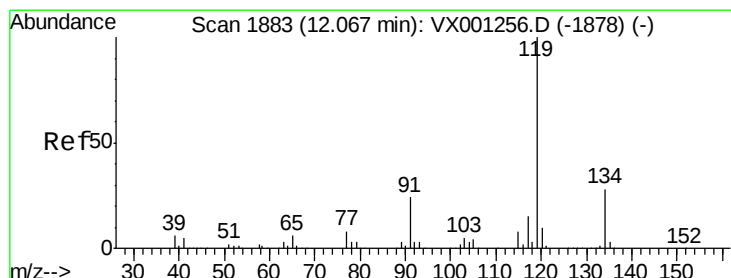
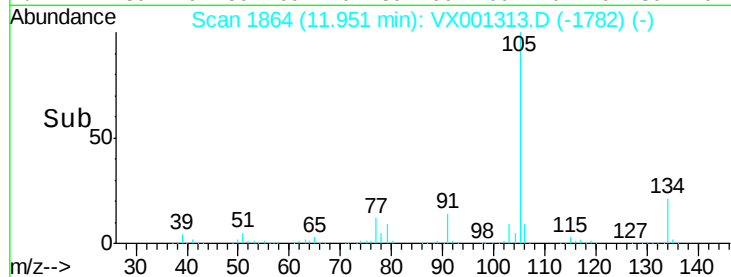
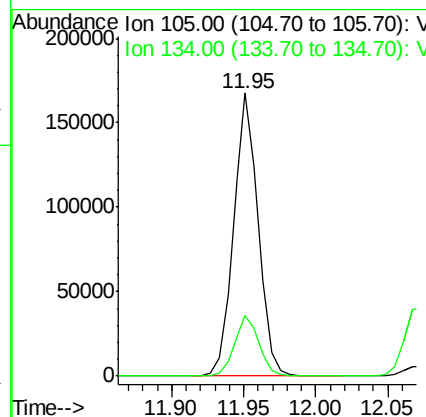
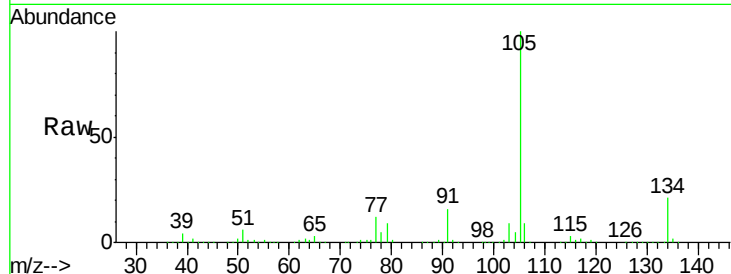
#81
 sec-Butylbenzene
 Concen: 19.49 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200315		
134	21.4	0.0	41.8	

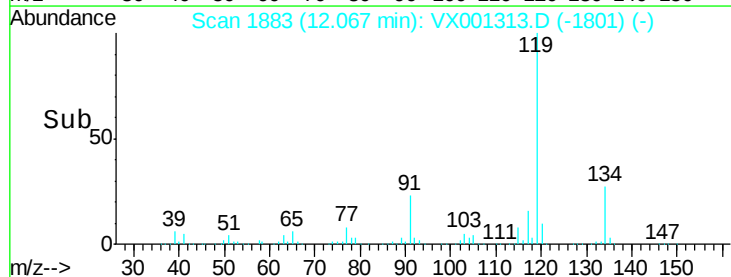
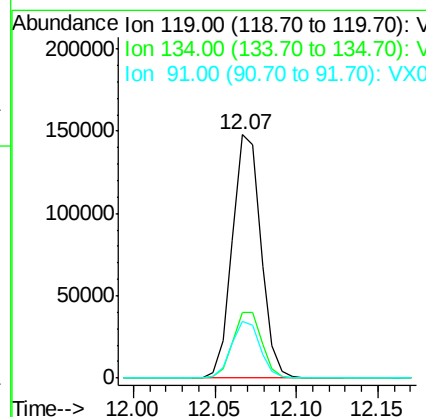
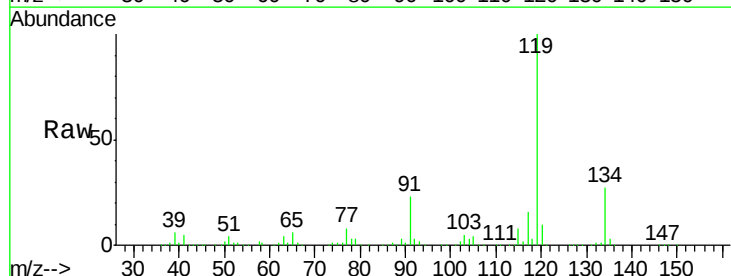
Manual Integrations
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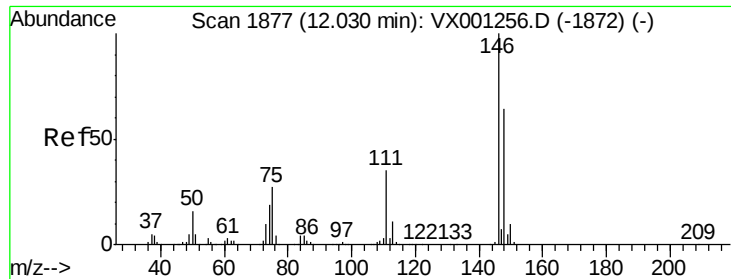
MMDadoda
 5/3/2018 12:21:16 PM



#82
 p-Isopropyltoluene
 Concen: 19.07 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	180577		
134	27.4	0.0	54.4	
91	23.4	0.0	46.6	





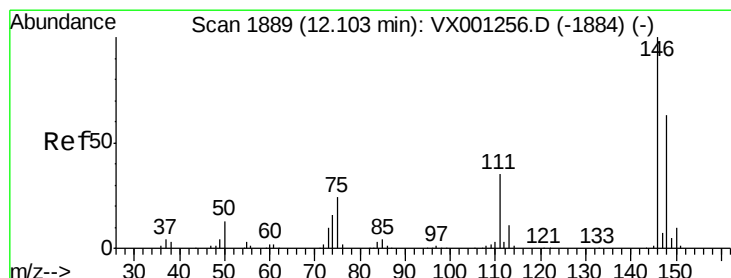
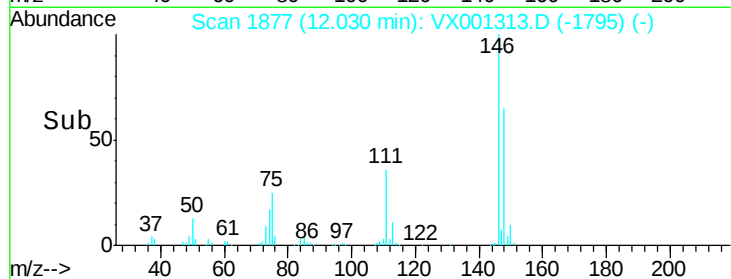
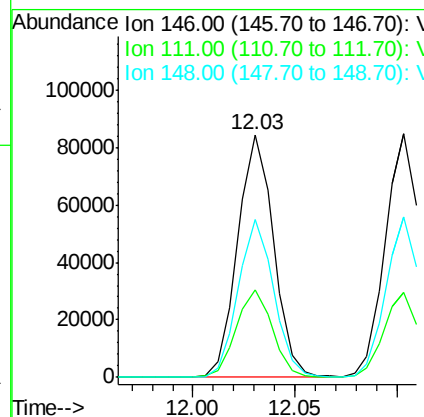
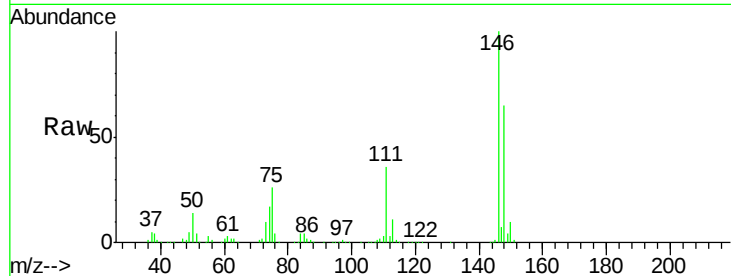
#83
 1,3-Dichlorobenzene
 Concen: 18.78 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.4	58.2
148	64.4	32.6	97.7

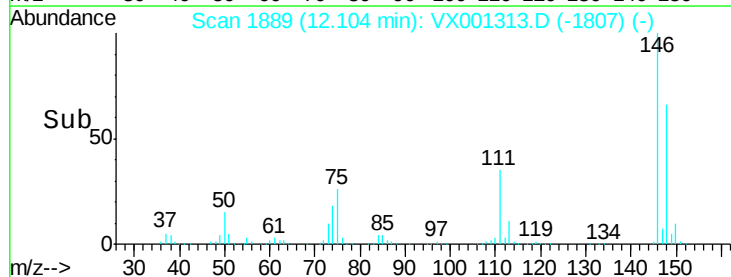
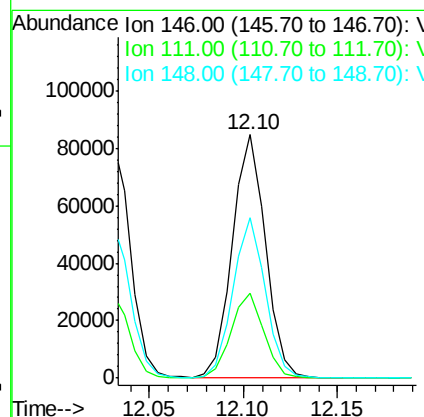
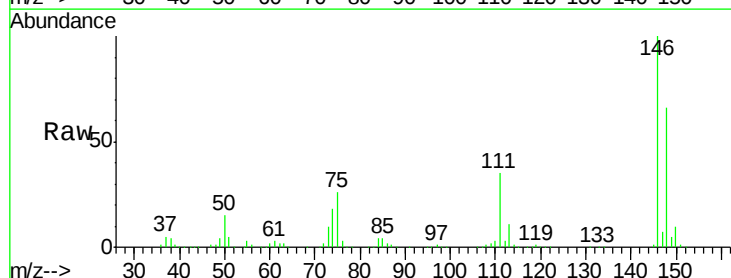
Manual Integrations
 APPROVED

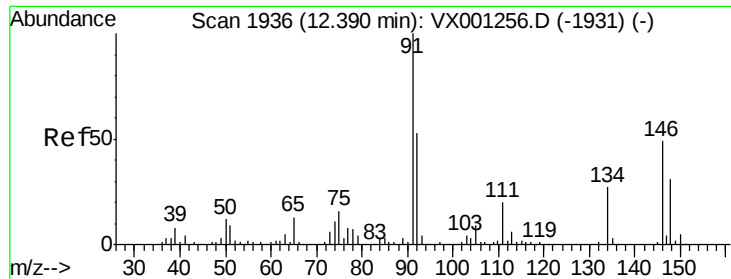
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 18.48 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	18.4	55.0
148	64.5	31.9	95.7





#85

n-Butylbenzene

Concen: 18.30 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Instrument :

MSVOA_X

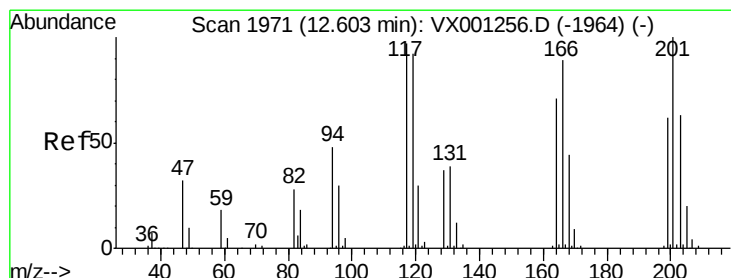
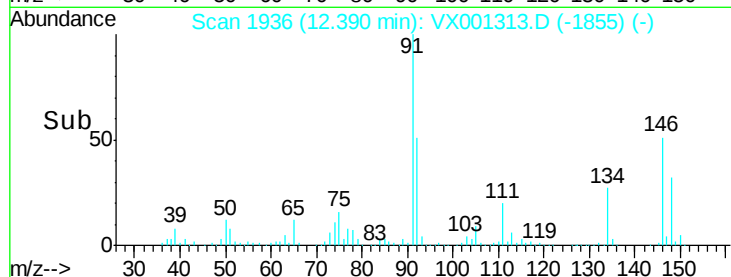
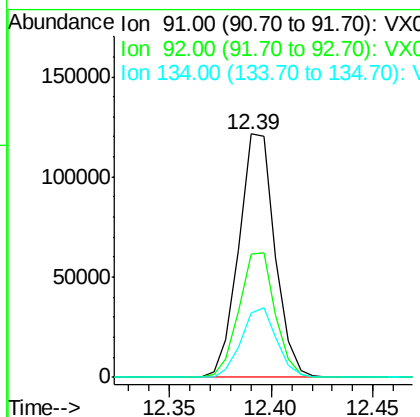
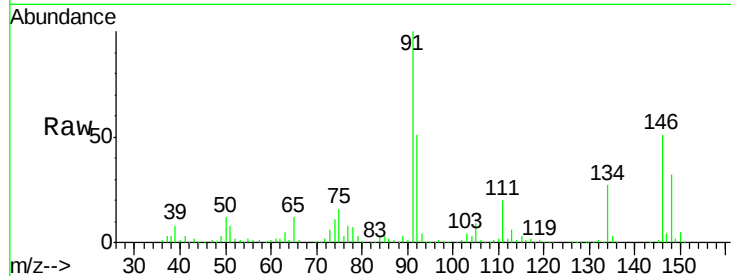
ClientSampleId :

VX0502WBS03

Tot Ion:	91	Resp:	149864
Ion Ratio	Lower	Upper	
91	100		
92	51.1	0.0	102.0
134	28.0	0.0	54.2

Manual Integrations
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#86

Hexachloroethane

Concen: 16.50 ug/l

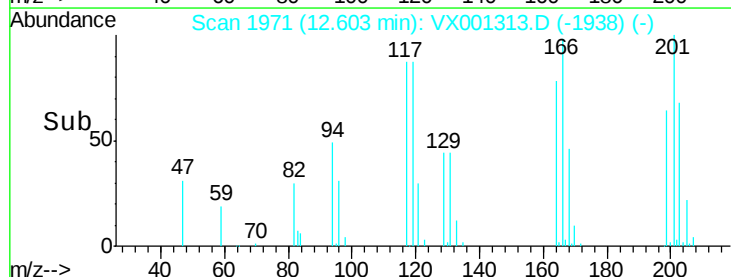
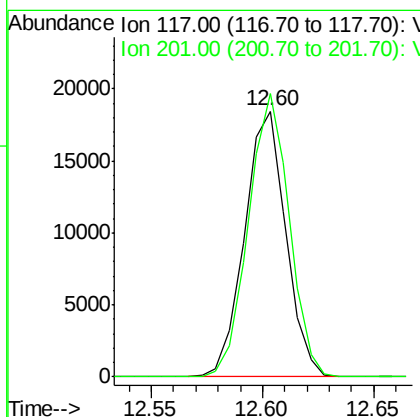
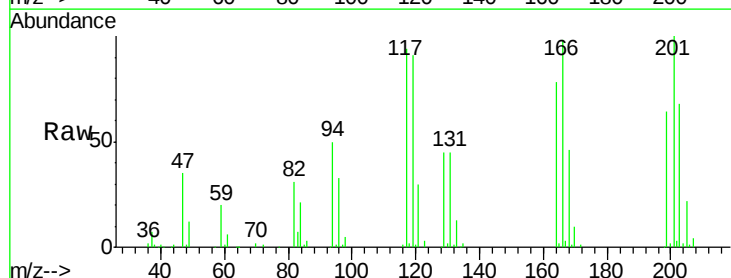
RT: 12.60 min Scan# 1971

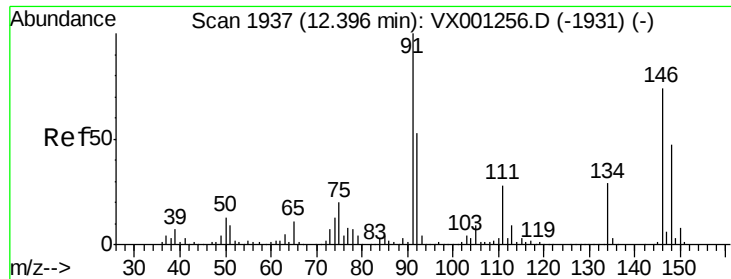
Delta R.T. 0.00 min

Lab File: VX001313.D

Acq: 02 May 2018 12:27

Tgt Ion:	117	Resp:	23882
Ion Ratio	Lower	Upper	
117	100		
201	104.8	38.9	116.6





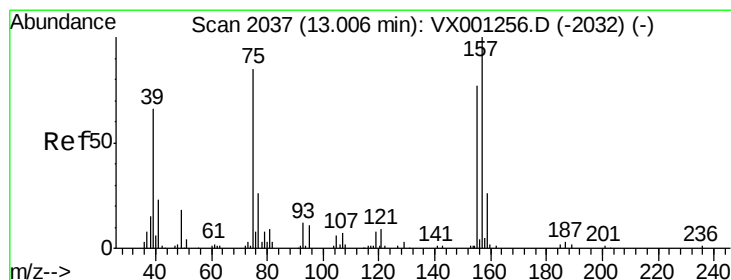
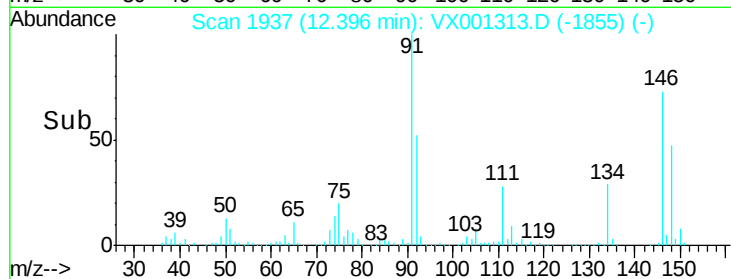
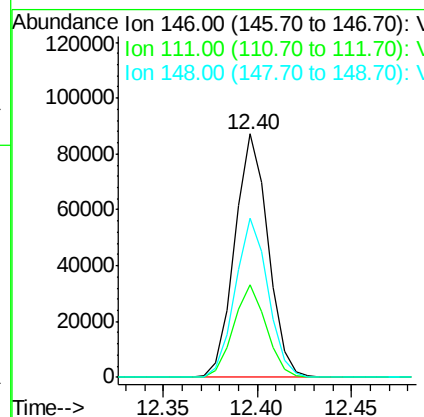
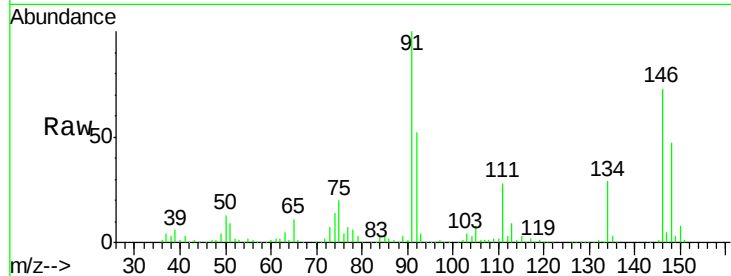
#87
 1,2-Dichlorobenzene
 Concen: 19.53 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106907		
111	37.5	20.0	60.0	
148	64.5	31.6	95.0	

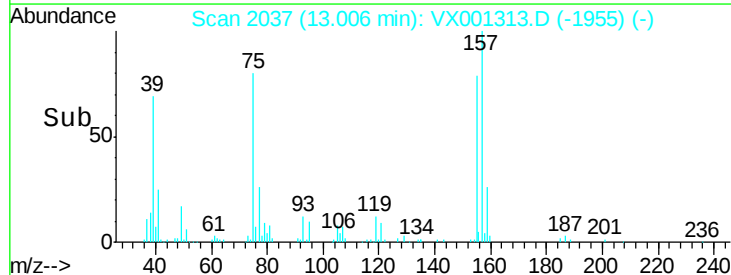
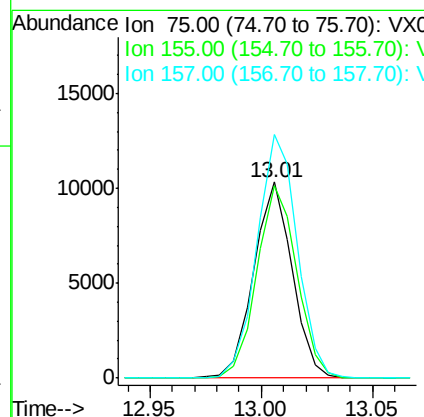
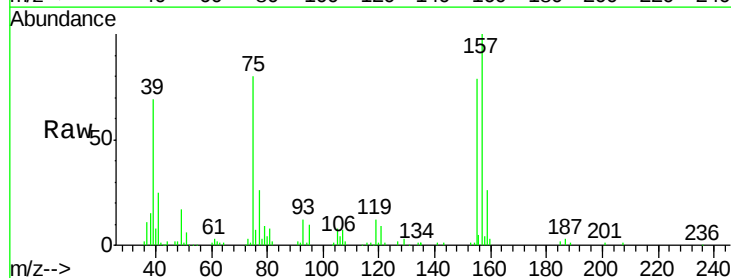
Manual Integrations
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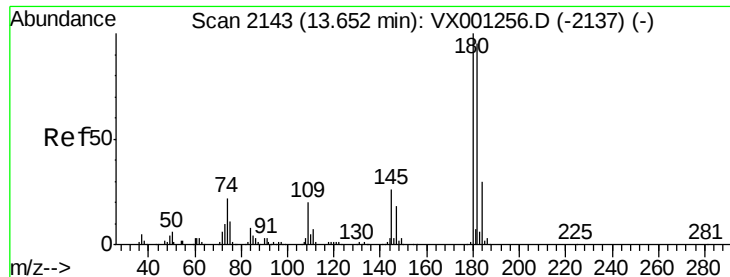
MMDadoda
 5/3/2018 12:21:16 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.57 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12461		
155	101.9	75.1	112.7	
157	129.4	99.0	148.4	





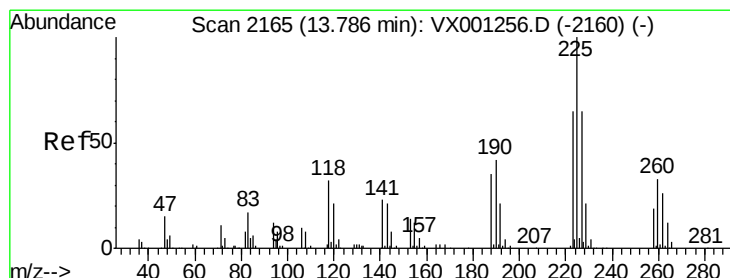
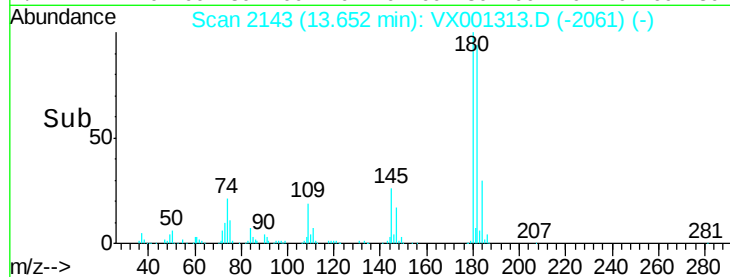
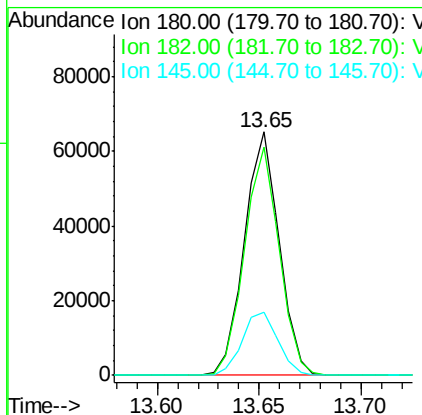
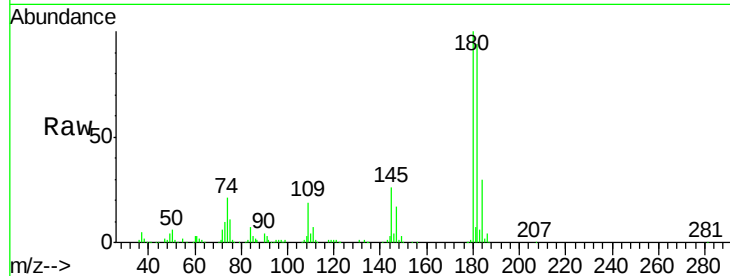
#89
 1,2,4-Trichlorobenzene
 Concen: 18.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	77255		
182	93.9		76.3	114.5
145	26.8		24.6	37.0

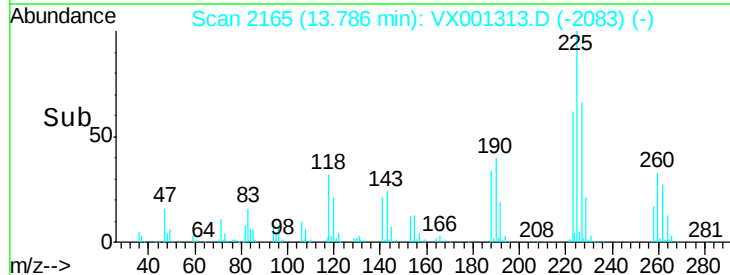
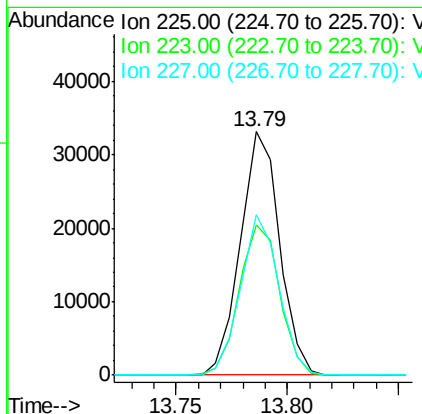
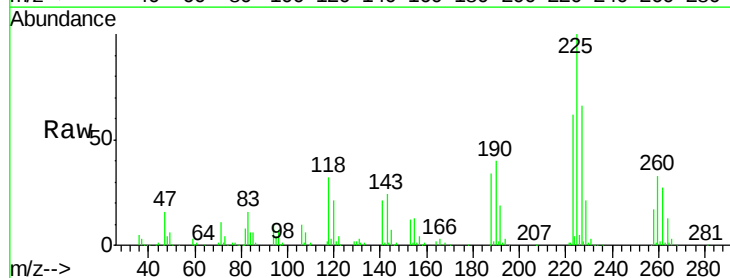
Manual Integrations
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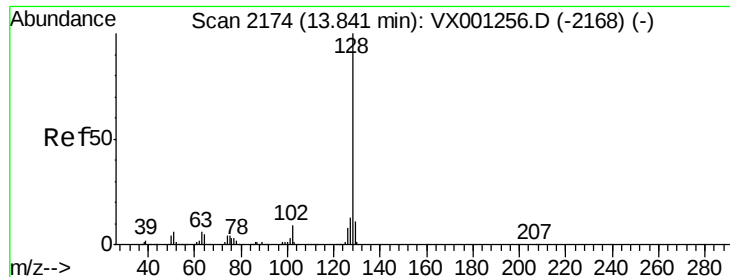
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#90
 Hexachlorobutadiene
 Concen: 21.23 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001313.D
 Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40866		
223	63.5		0.0	131.2
227	64.2		0.0	127.6





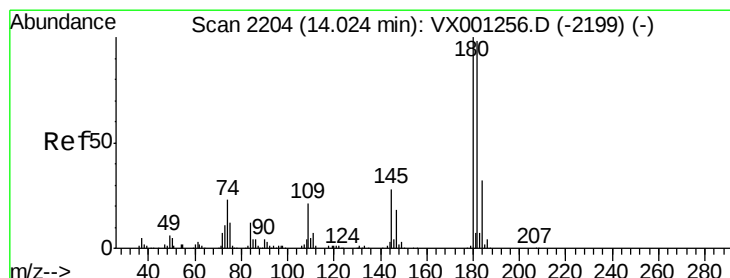
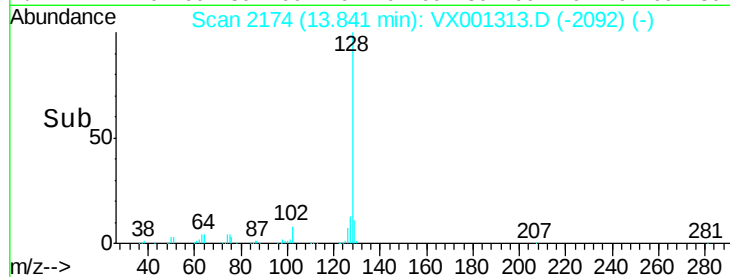
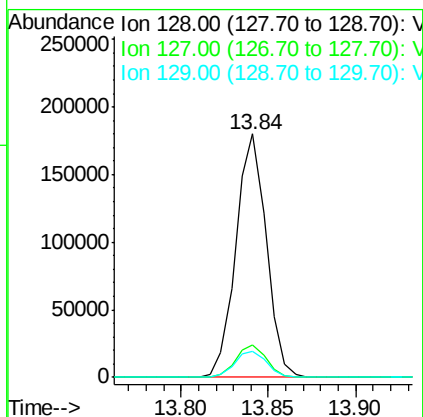
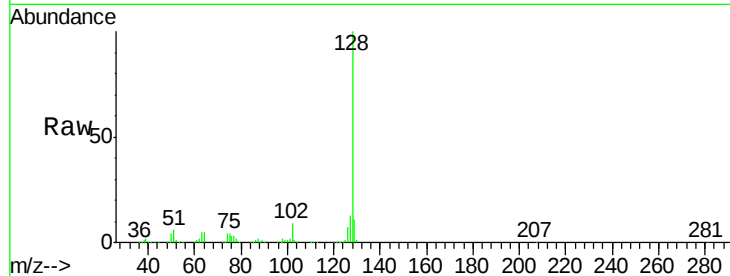
#91
Naphthalene
Concen: 20.25 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	217886		
127	13.4	10.5	15.7	
129	11.1	9.0	13.6	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.61 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001313.D
Acq: 02 May 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80281		
182	96.5	0.0	188.6	
145	27.9	0.0	65.8	

