

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001807.D
 Acq On : 18 May 2018 04:41
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:33 PM

Quant Time: May 18 07:01:32 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 06:08:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	61349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	262368	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	205400	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	119045	27.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.10%
60) 4-Bromofluorobenzene	11.14	95	91193	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	8.72	98	312417	33.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	110.83%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	34038	12.94	ug/l	100
3) Chloromethane	1.32	50	63040	19.68	ug/l	100
4) Vinyl Chloride	1.40	62	55461	17.14	ug/l	100
5) Bromomethane	1.64	94	38754	23.75	ug/l	100
6) Chloroethane	1.73	64	40602	18.51	ug/l	100
7) Trichlorofluoromethane	1.93	101	62221	13.91	ug/l	100
8) Diethyl Ether	2.19	74	42933	20.32	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34244	13.85	ug/l	100
10) 1,1-Dichloroethene	2.37	96	42156	15.96	ug/l	100
11) Methyl Iodide	2.51	142	65522	16.63	ug/l	100
12) Methyl Acetate	2.78	43	103830	21.54	ug/l	100
13) Acrolein	2.29	56	60343	108.08	ug/l	100
14) Acrylonitrile	3.15	53	196281	103.01	ug/l	100
15) Acetone	2.45	58	53840	104.78	ug/l	100
16) Carbon Disulfide	2.57	76	103132	15.66	ug/l	100
17) Allyl chloride	2.73	41	94020	18.13	ug/l	100
18) Methylene Chloride	2.86	84	64657	19.76	ug/l	100
19) trans-1,2-Dichloroethene	3.17	96	51920	17.70	ug/l	100
20) Diisopropyl ether	3.88	45	205485	20.47	ug/l	100
21) 1,1-Dichloroethane	3.70	63	105563	18.82	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	67385	19.77	ug/l	100
23) tert-Butyl Alcohol	3.08	59	80770	96.52	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	202767	20.07	ug/l	100
25) Chloroform	5.22	83	113213	19.38	ug/l	100
26) Cyclohexane	5.58	56	58210	14.92	ug/l #	100
29) 1,1-Dichloropropene	5.80	75	59016	18.62	ug/l	100
30) 2-Butanone	4.72	43	269408	120.06	ug/l	100
31) 2,2-Dichloropropane	4.59	77	36309	14.05	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	77998	19.24	ug/l	100
33) Carbon Tetrachloride	5.79	117	62369	17.74	ug/l	100
34) Benzene	6.15	78	237141	22.32	ug/l	100
35) Methacrylonitrile	5.07	41	56896	23.48	ug/l	100
36) 1,2-Dichloroethane	6.20	62	94380	22.49	ug/l	100
37) Trichloroethene	7.22	130	63670	20.77	ug/l	100
38) Methylcyclohexane	7.47	83	54887	16.60	ug/l	100
39) 1,2-Dichloropropane	7.52	63	62418	23.13	ug/l	100
40) Dibromomethane	7.67	93	45313	23.42	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	79441	22.07	ug/l	100
42) Vinyl Acetate	3.83	43	694233	98.72	ug/l	100
43) Ethyl Acetate	4.87	43	101791	23.82	ug/l	100
44) Isopropyl Acetate	6.48	43	148223	22.77	ug/l	100
45) 1,4-Dioxane	7.76	88	35369	463.18	ug/l	100
46) Methyl methacrylate	7.79	41	78658	22.54	ug/l	100
47) n-amyl Acetate	10.90	43	103329	19.40	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	83498	21.18	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	72168	20.74	ug/l	100
50) 1,1,2-Trichloroethane	9.22	97	62454	22.23	ug/l	100
51) Ethyl methacrylate	9.19	69	83248	20.61	ug/l	100
52) 1,3-Dichloropropane	9.38	76	99404	21.58	ug/l	100
53) Dibromochloromethane	9.59	129	59751	20.61	ug/l	100
54) 1,2-Dibromoethane	9.68	107	63447	21.59	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	254387	115.83	ug/l	100
56) Bromoform	10.87	173	48317	20.24	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	521755	132.43	ug/l	100
59) 2-Hexanone	9.51	43	340502	119.36	ug/l	100
61) Tetrachloroethene	9.34	164	59626	20.38	ug/l	100
62) Toluene	8.79	91	231115	22.99	ug/l	100
64) Chlorobenzene	10.15	112	136574	21.21	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	55986	22.52	ug/l	100
66) Ethyl Benzene	10.26	91	195231	19.55	ug/l	100
67) m/p-Xylenes	10.37	106	156667	39.35	ug/l	100
68) o-Xylene	10.71	106	79717	20.05	ug/l	100
69) Styrene	10.72	104	135635	20.54	ug/l	100
70) Isopropylbenzene	11.02	105	190383	18.97	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	84368	23.45	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	82674m	23.72	ug/l	100
73) Bromobenzene	11.26	156	65591	20.88	ug/l	100
74) n-propylbenzene	11.37	91	200006	18.26	ug/l	100
75) 2-Chlorotoluene	11.43	91	135862	19.47	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	158077	18.74	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	16747	19.26	ug/l	100
78) 4-Chlorotoluene	11.52	91	149779	18.96	ug/l	100
79) tert-butylbenzene	12.07	119	156020	17.72	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	165220	19.13	ug/l	100
81) sec-Butylbenzene	11.95	105	171409	17.76	ug/l	100
82) p-Isopropyltoluene	12.07	119	156020	17.72	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	102722	19.16	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	102045	18.97	ug/l	100
85) n-Butylbenzene	12.40	91	111287	16.04	ug/l	100
86) Hexachloroethane	12.60	117	25142	17.73	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	111390	19.87	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	18079	21.86	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	70193	17.89	ug/l	100
90) Hexachlorobutadiene	13.79	225	34723	17.58	ug/l	100
91) Naphthalene	13.84	128	252037	20.78	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	80511	19.19	ug/l	100

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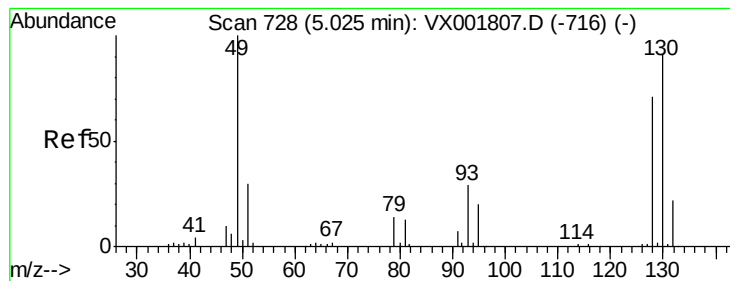
Manual Integrations
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5/21/2018 2:40:33 PM

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QLast Update : Fri May 18 06:08:30 2018
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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. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 61349

Ion Ratio Lower Upper

128 100

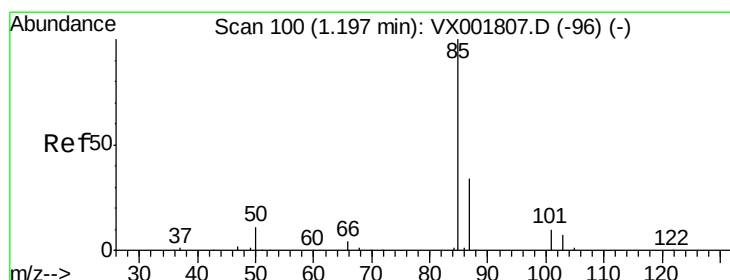
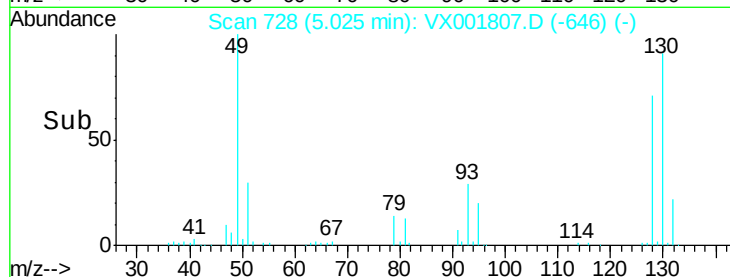
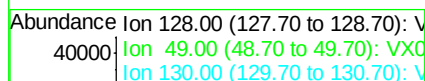
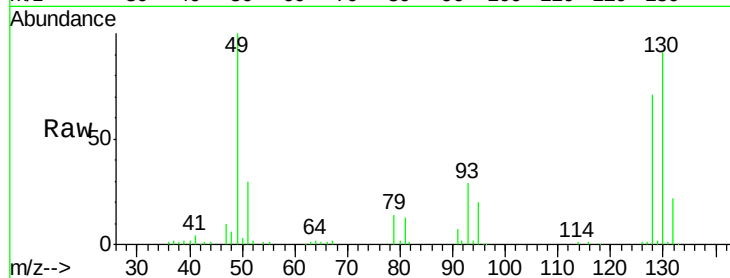
49 140.9 0.0 352.3

130 129.4 0.0 323.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 12.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001807.D

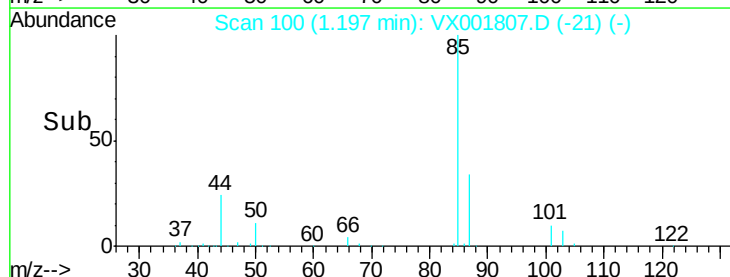
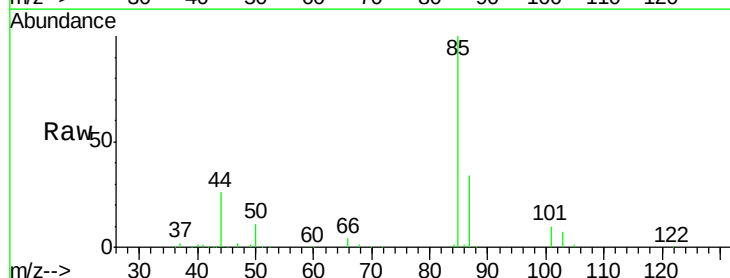
Acq: 18 May 2018 04:41

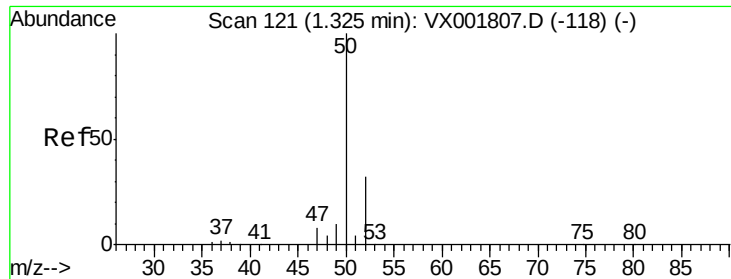
Tgt Ion: 85 Resp: 34038

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7





#3

Chloromethane

Concen: 19.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 63040

Ion Ratio Lower Upper

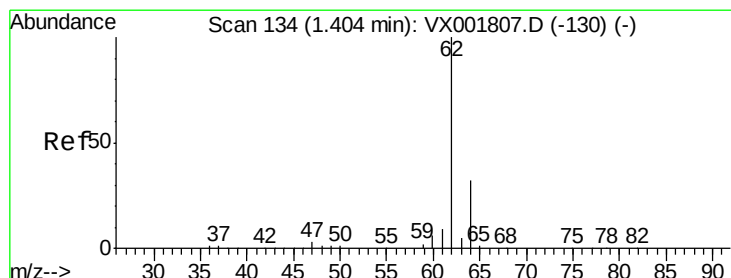
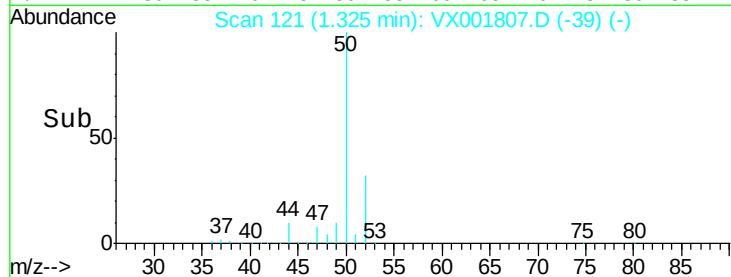
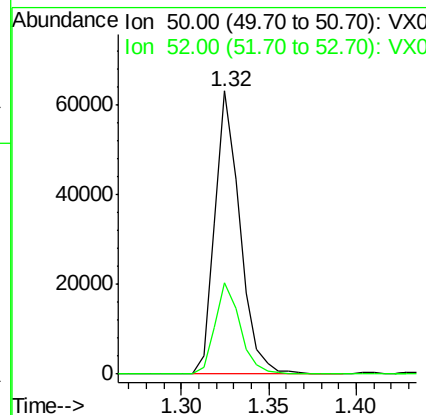
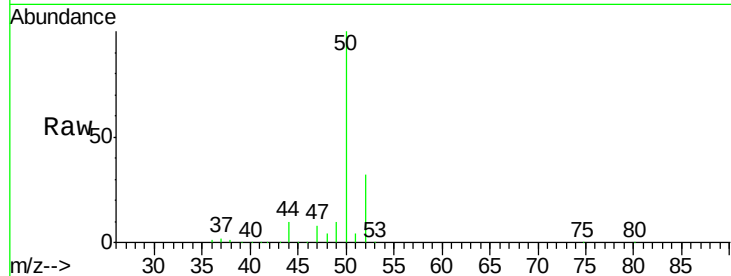
50 100

52 32.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001807.D

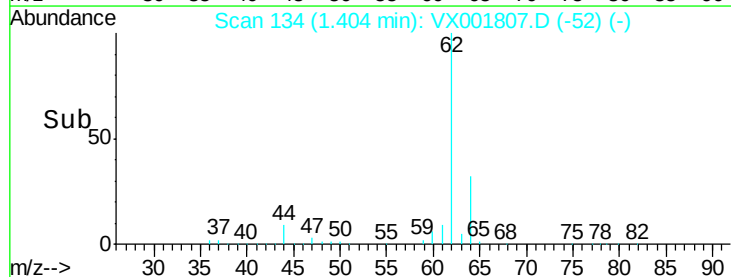
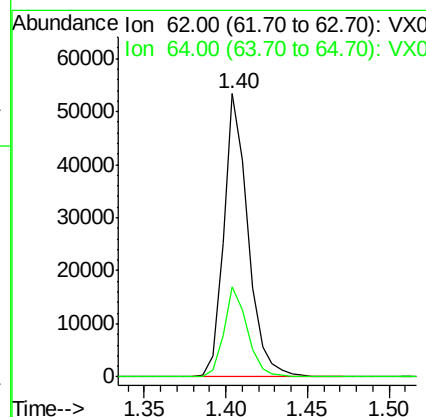
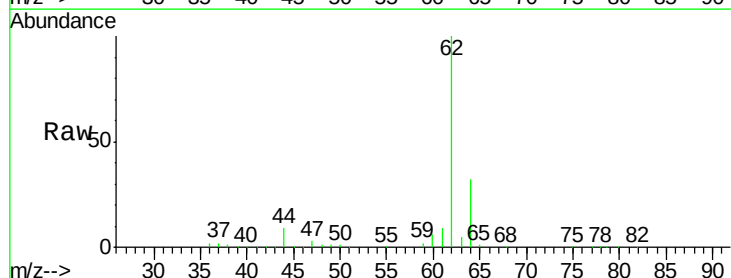
Acq: 18 May 2018 04:41

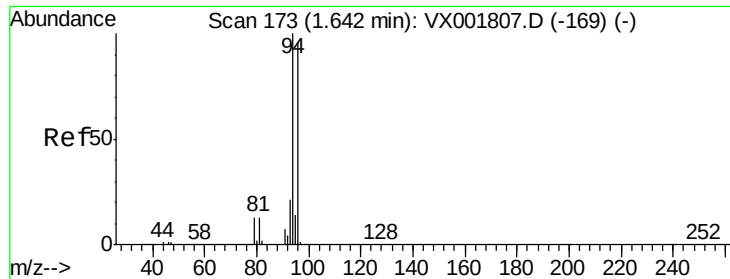
Tgt Ion: 62 Resp: 55461

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 23.75 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 38754

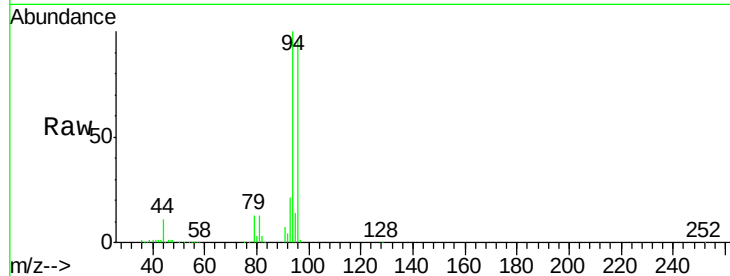
Ion Ratio Lower Upper

94 100

96 95.8 76.6 115.0

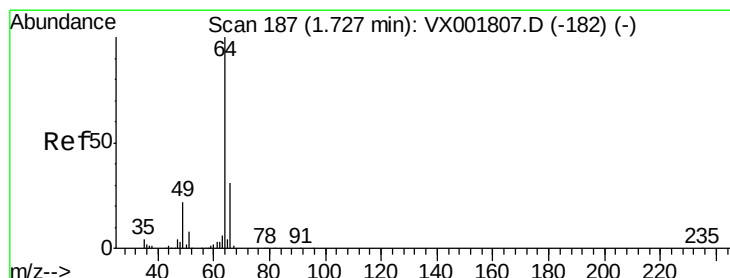
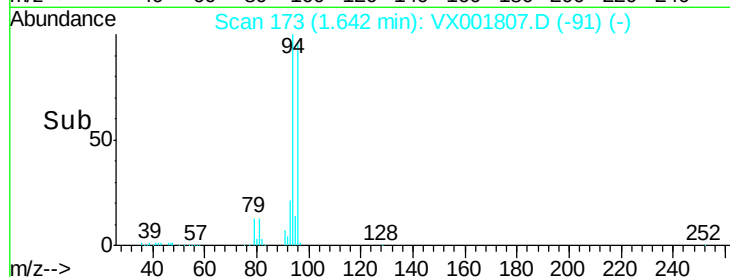
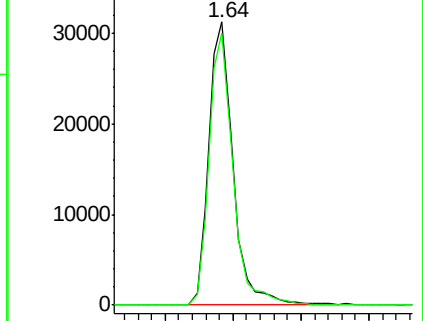
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.51 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001807.D

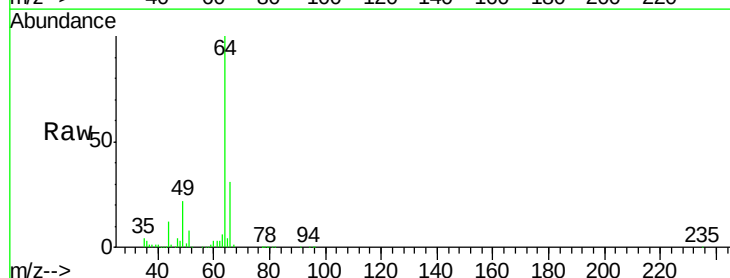
Acq: 18 May 2018 04:41

Tgt Ion: 64 Resp: 40602

Ion Ratio Lower Upper

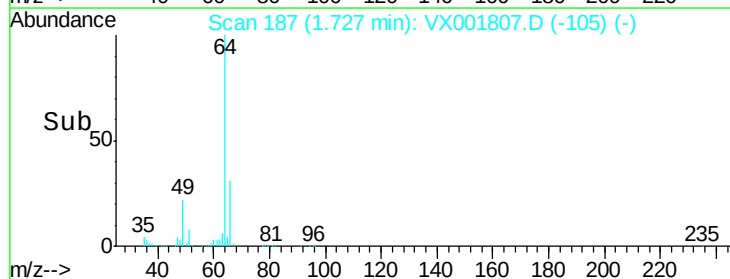
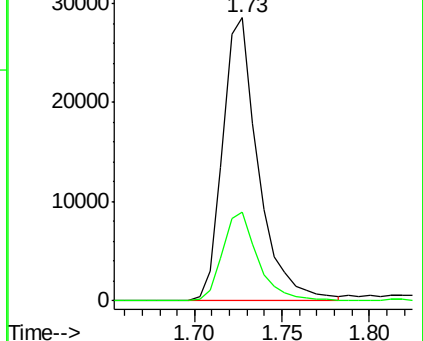
64 100

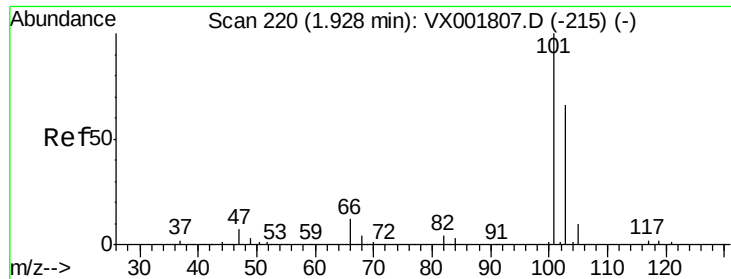
66 31.2 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

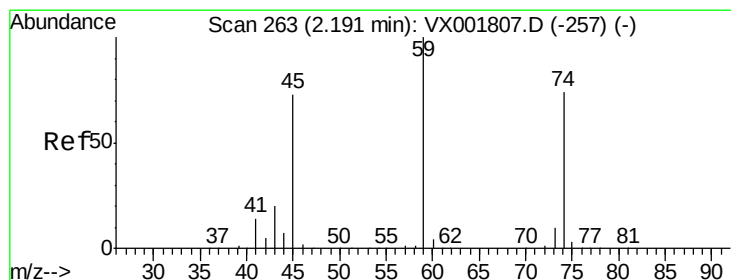
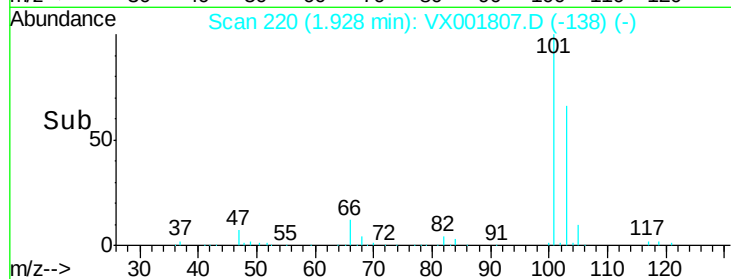
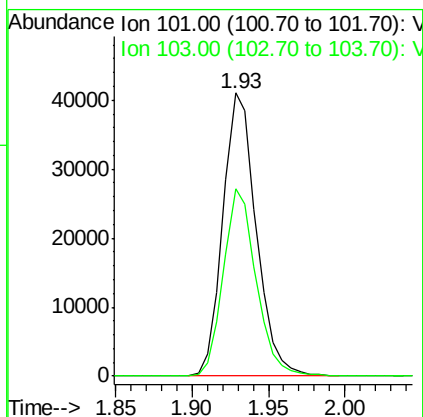
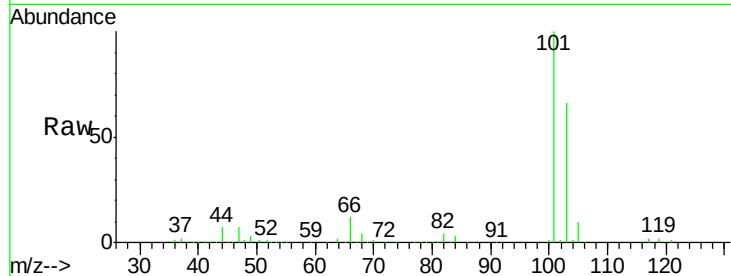
Trichlorofluoromethane
 Concen: 13.91 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.9	79.3

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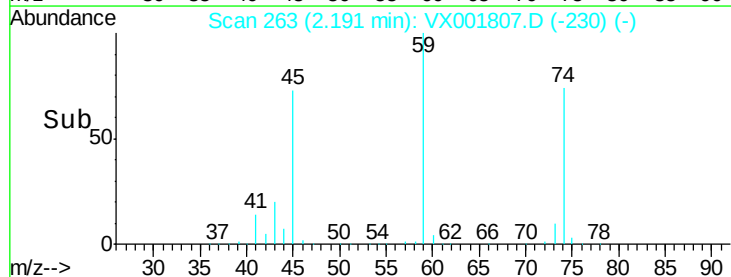
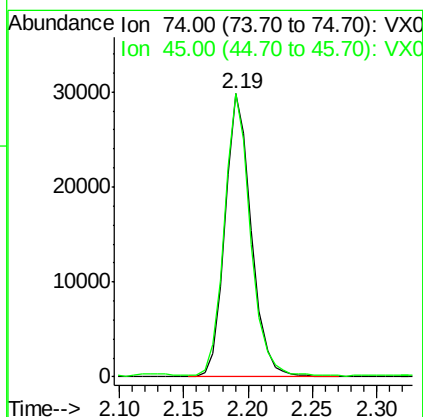
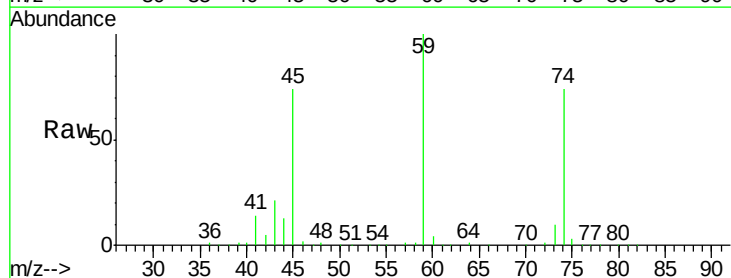
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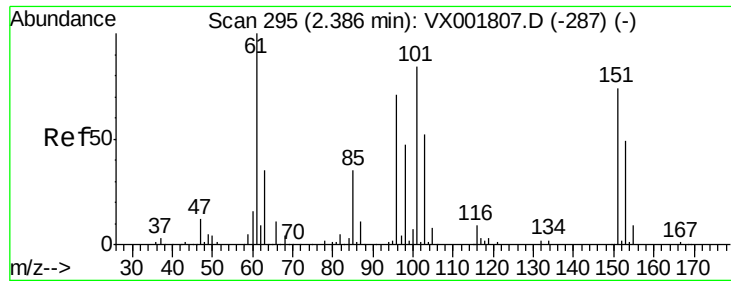


#8

Diethyl Ether
 Concen: 20.32 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	19.8	178.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.85 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

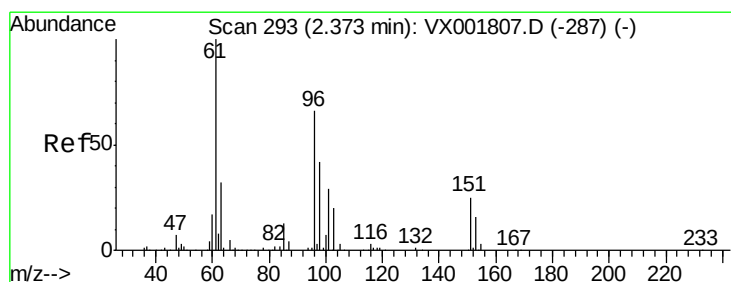
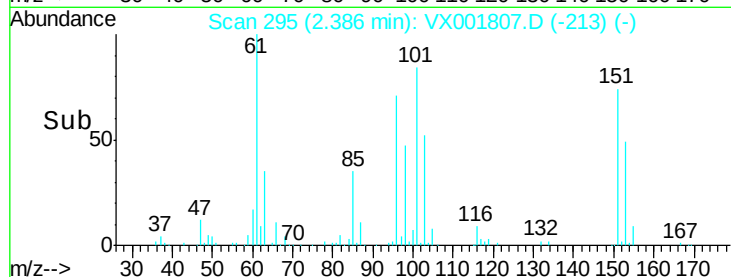
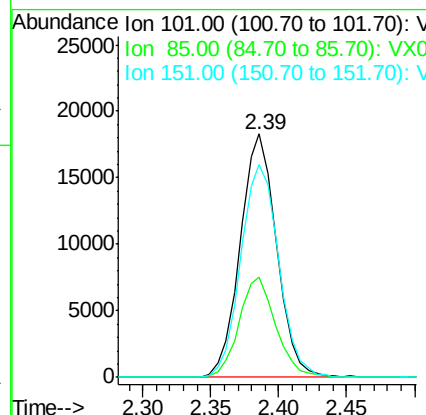
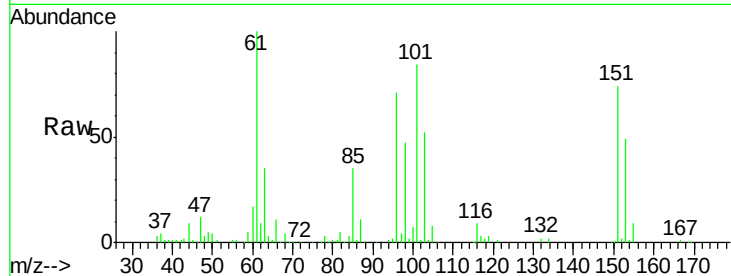
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	34244
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	83.0
151	91.4	0.0	182.8

Manual Integrations
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5/21/2018 2:40:33 PM



#10

1,1-Dichloroethene

Concen: 15.96 ug/l

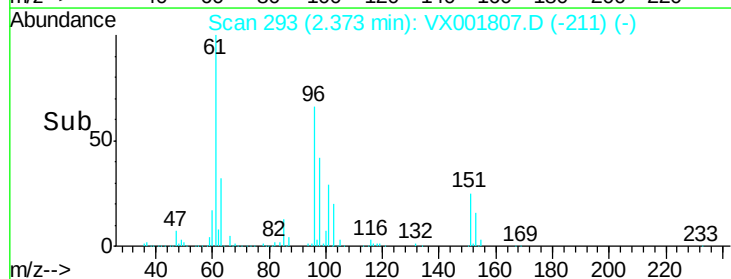
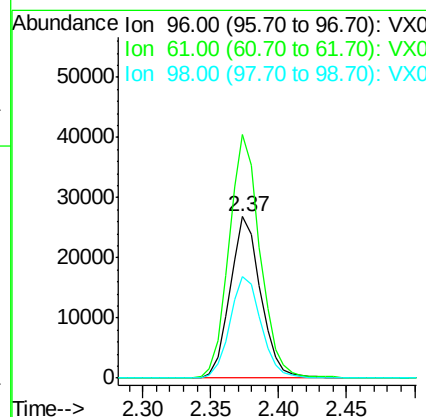
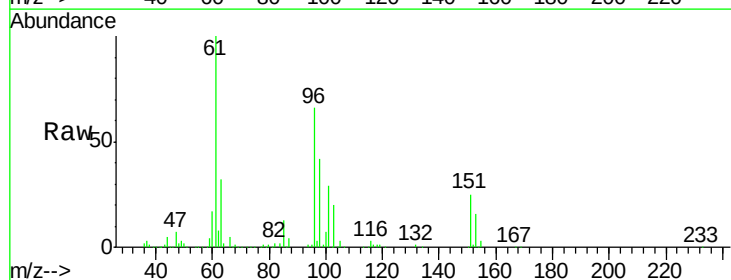
RT: 2.37 min Scan# 293

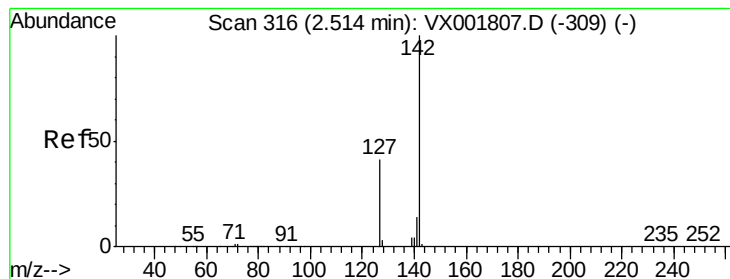
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	96	Resp:	42156
Ion Ratio	Lower	Upper	
96	100		
61	151.1	120.9	181.3
98	62.8	50.2	75.4





#11

Methyl Iodide

Concen: 16.63 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

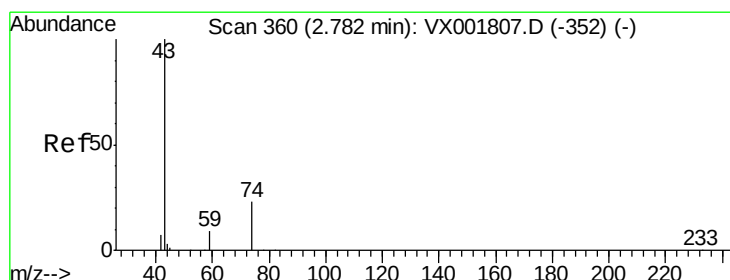
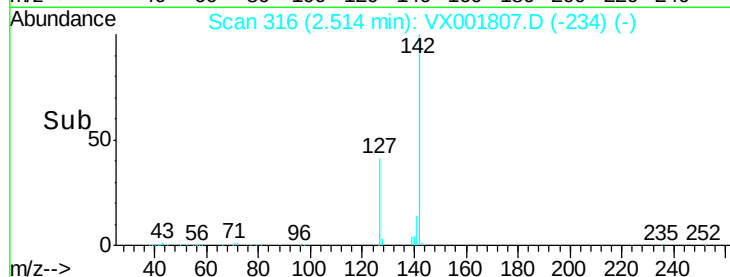
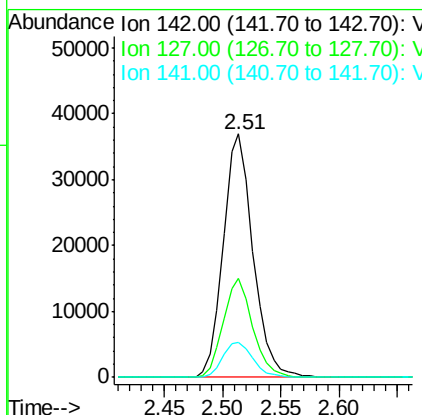
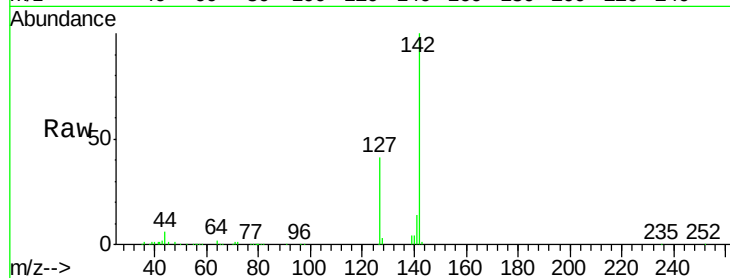
ClientSampleId :

VSTDICCC020

Tot Ion:	142	Resp:	65522
Ion Ratio	Lower	Upper	
142	100		
127	40.7	20.3	61.0
141	14.1	7.0	21.1

Manual Integrations
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#12

Methyl Acetate

Concen: 21.54 ug/l

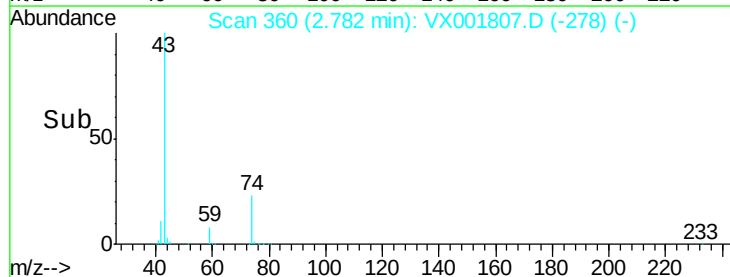
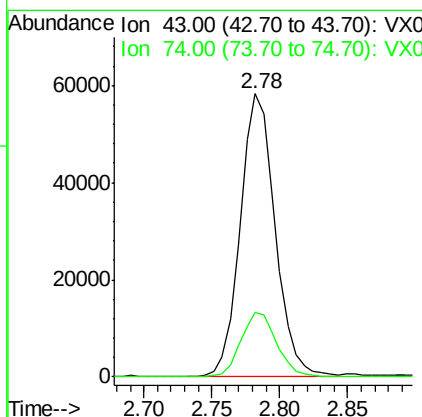
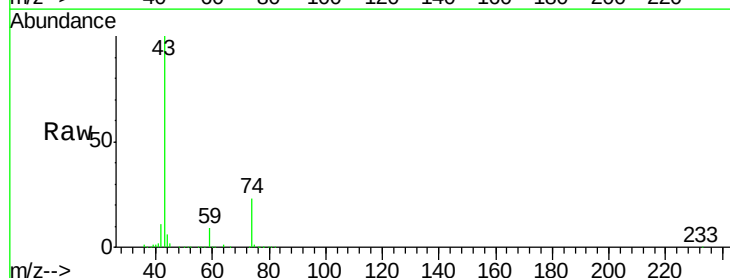
RT: 2.78 min Scan# 360

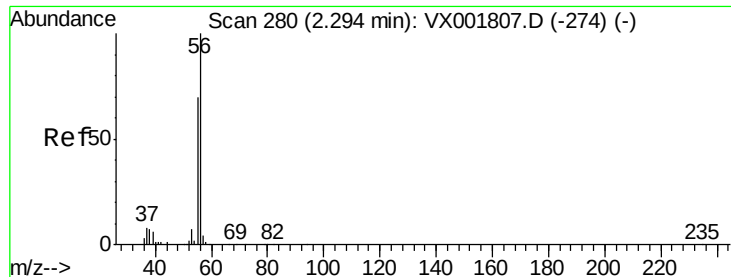
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	43	Resp:	103830
Ion Ratio	Lower	Upper	
43	100		
74	22.8	18.2	27.4





#13

Acrolein

Concen: 108.08 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 60343

Ion Ratio Lower Upper

56 100

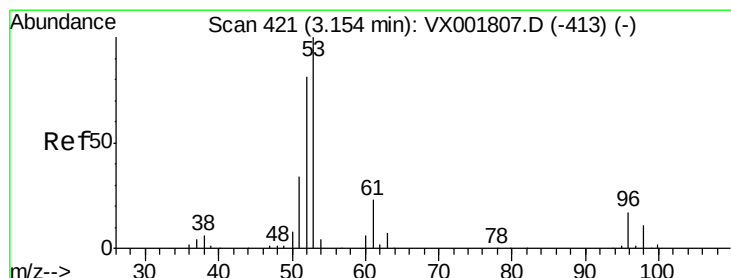
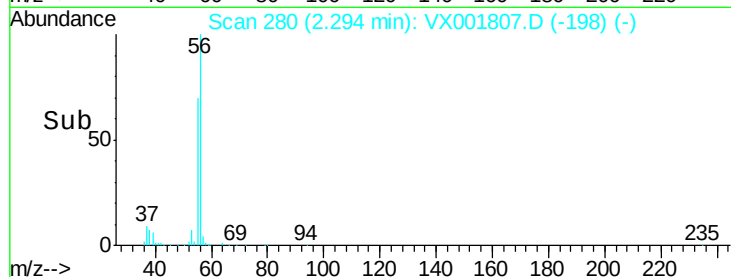
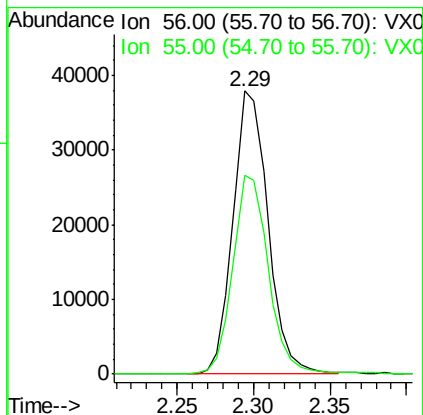
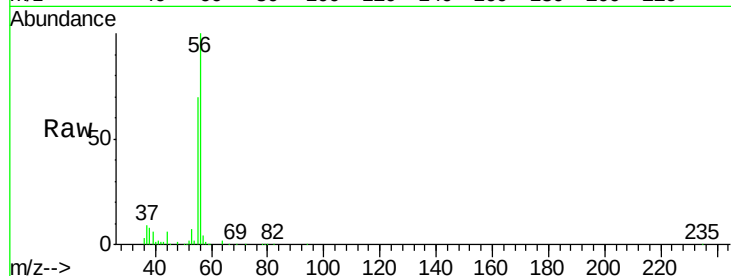
55 70.0 56.0 84.0

Manual Integrations

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MMDadoda

5/21/2018 2:40:33 PM



#14

Acrylonitrile

Concen: 103.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

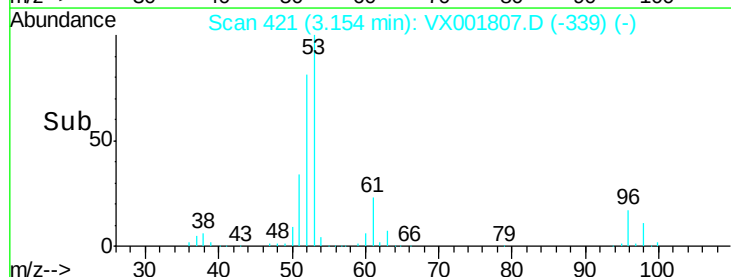
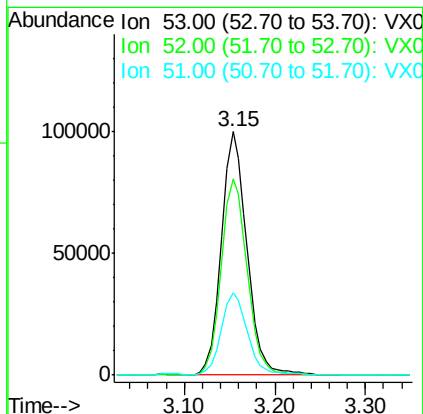
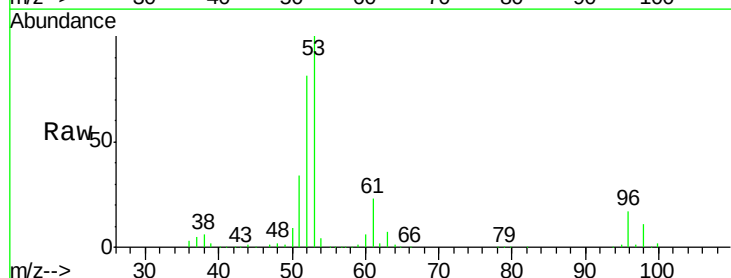
Tgt Ion: 53 Resp: 196281

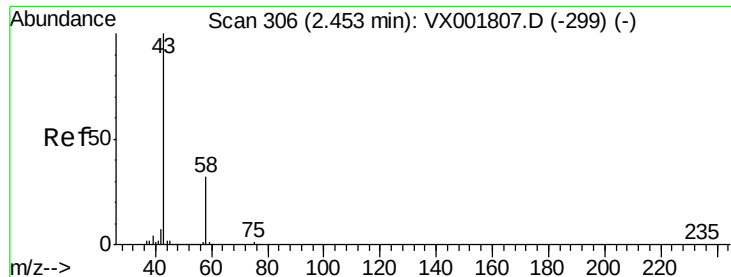
Ion Ratio Lower Upper

53 100

52 81.4 40.7 122.1

51 34.9 17.4 52.3





#15

Acetone

Concen: 104.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 58 Resp: 53840

Ion Ratio Lower Upper

58 100

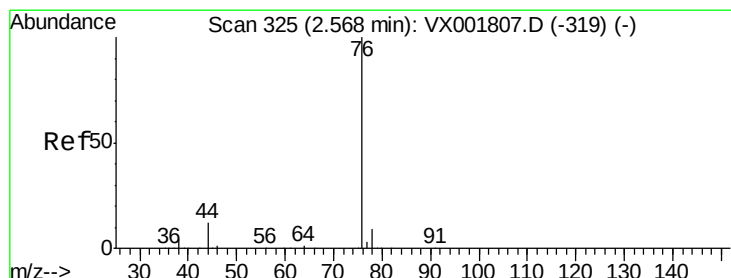
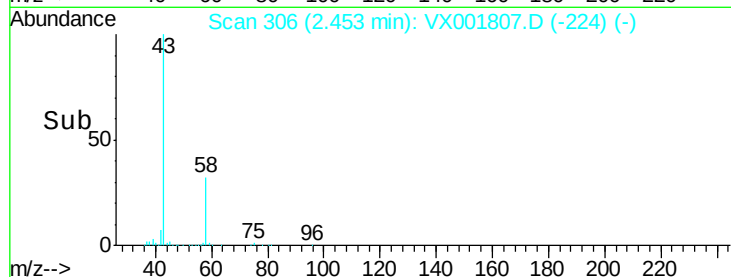
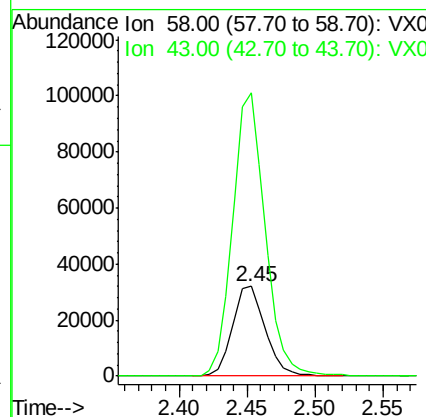
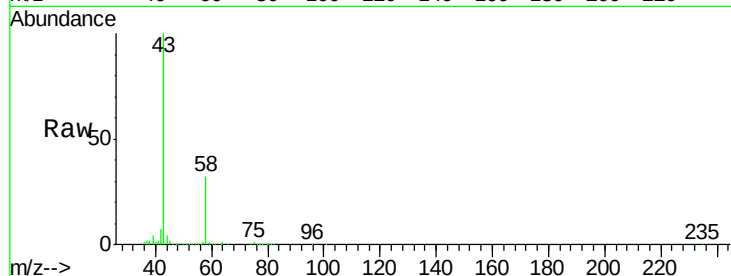
43 315.1 252.1 378.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 15.66 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001807.D

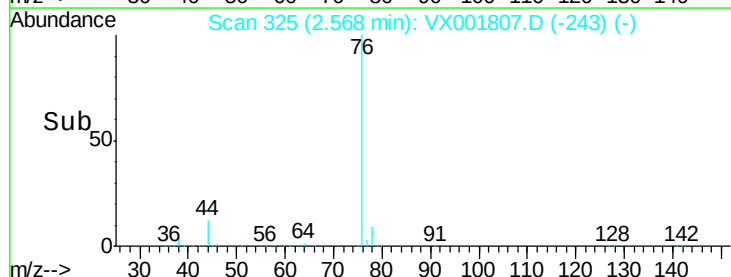
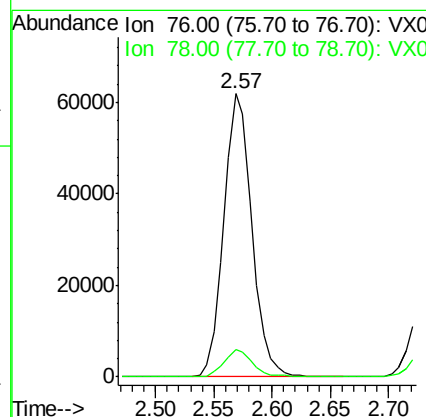
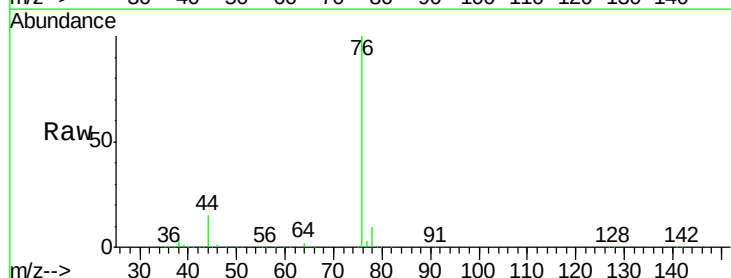
Acq: 18 May 2018 04:41

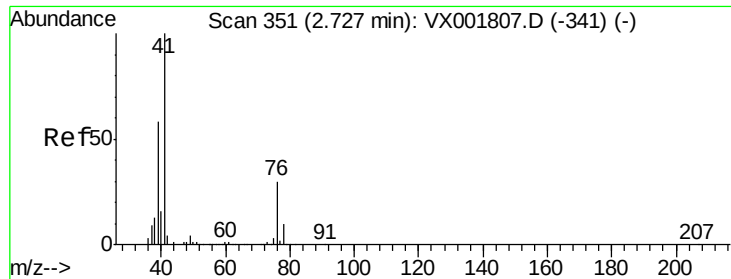
Tgt Ion: 76 Resp: 103132

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





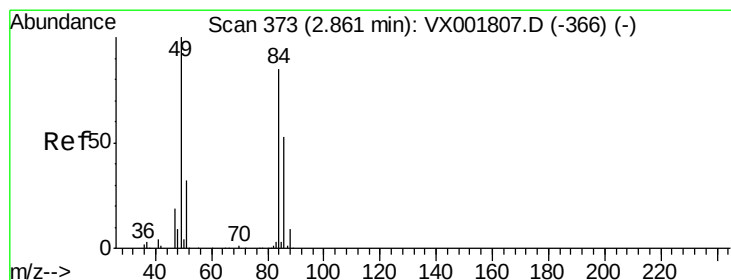
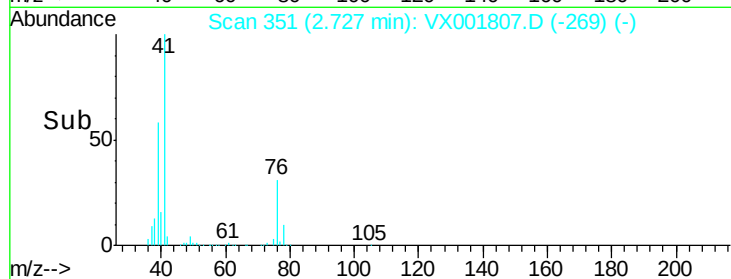
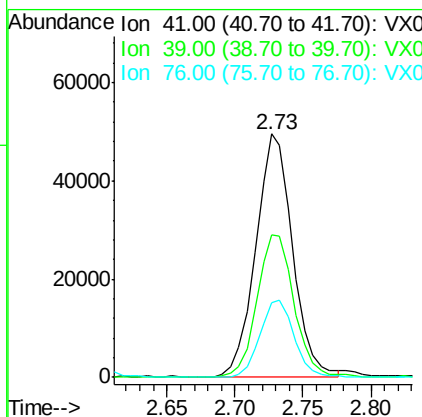
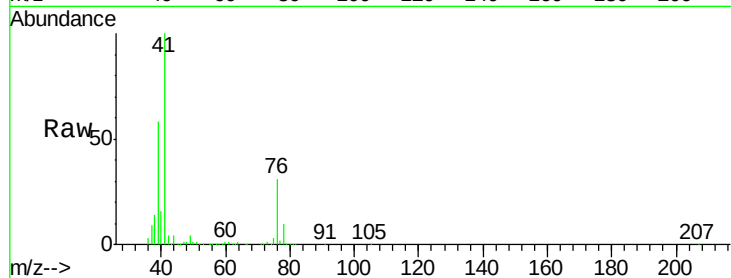
#17
Allvl chloride
Concen: 18.13 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	94020
Ion Ratio	Lower	Upper	
41	100		
39	58.2	29.1	87.3
76	30.3	15.2	45.5

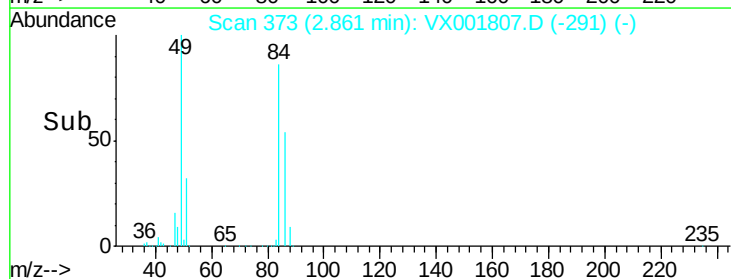
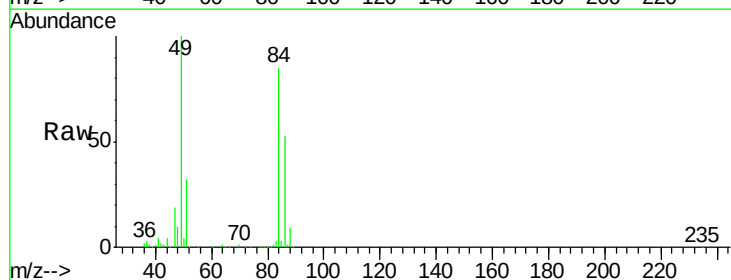
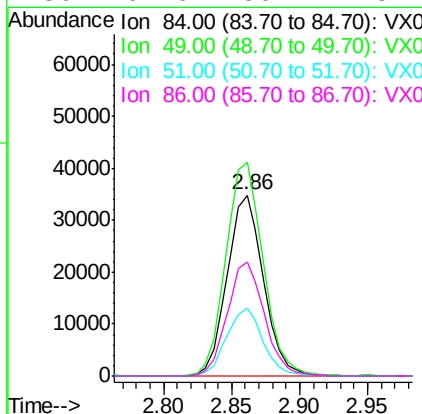
Manual Integrations
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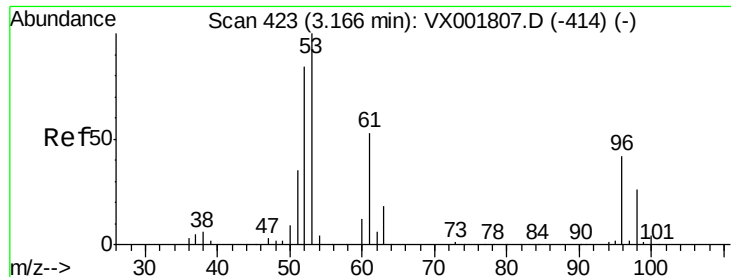
MMDadoda
5/21/2018 2:40:33 PM



#18
Methylene Chloride
Concen: 19.76 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion:	84	Resp:	64657
Ion Ratio	Lower	Upper	
84	100		
49	117.6	94.1	141.1
51	37.2	29.8	44.6
86	62.6	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 17.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 96 Resp: 51920

Ion Ratio Lower Upper

96 100

61 128.6 102.9 154.3

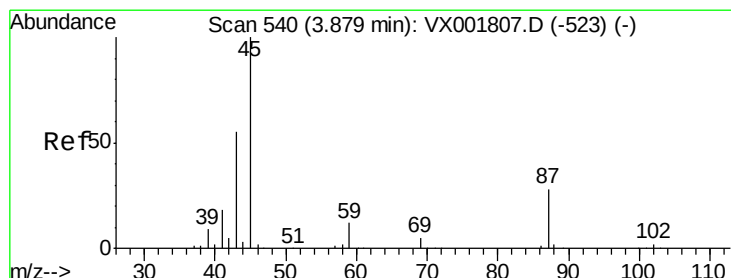
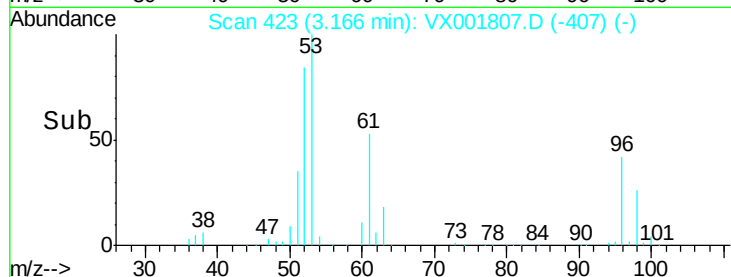
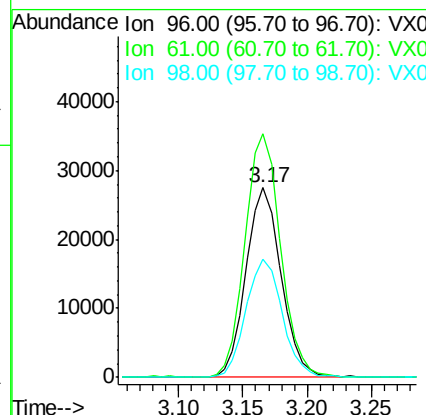
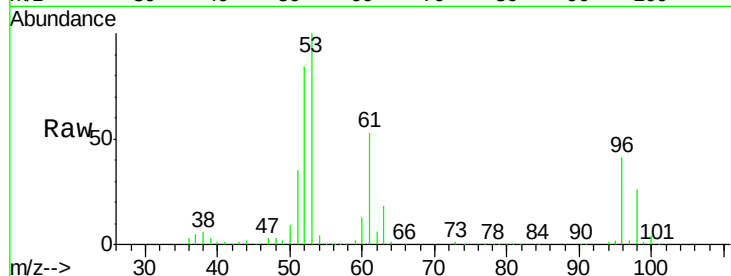
98 62.1 49.7 74.5

Manual Integrations

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MMDadoda

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#20

Diisopropyl ether

Concen: 20.47 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion: 45 Resp: 205485

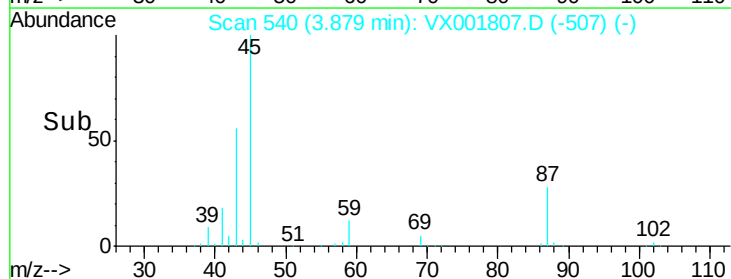
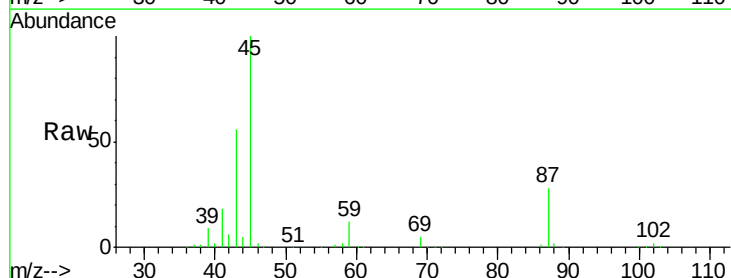
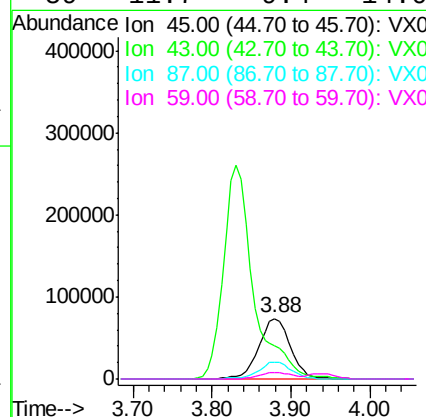
Ion Ratio Lower Upper

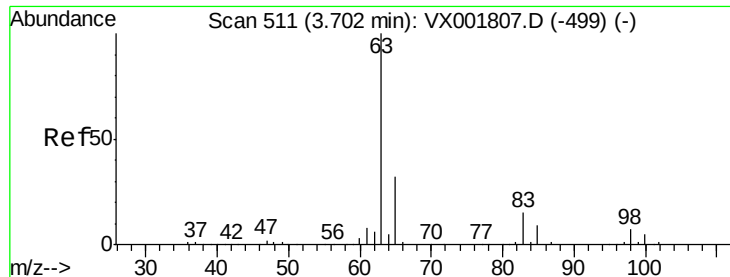
45 100

43 55.2 44.2 66.2

87 28.0 22.4 33.6

59 11.7 9.4 14.0





#21

1,1-Dichloroethane

Concen: 18.82 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

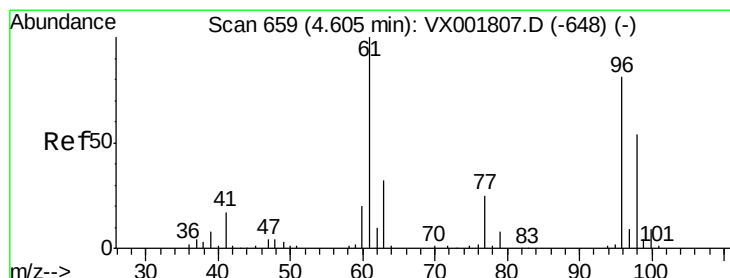
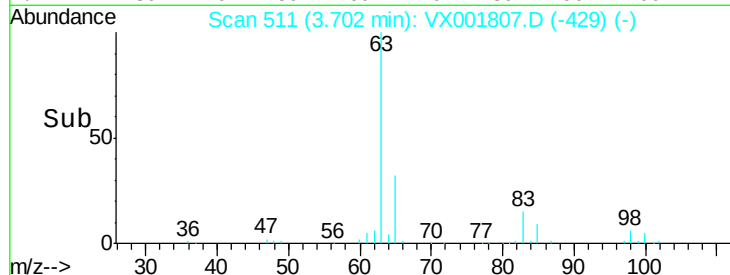
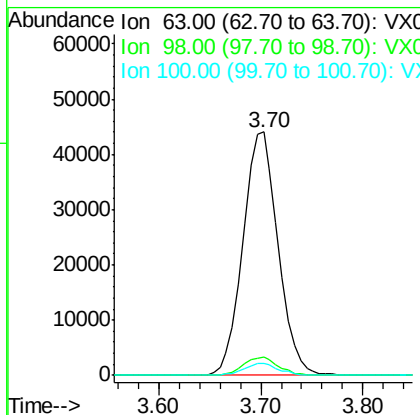
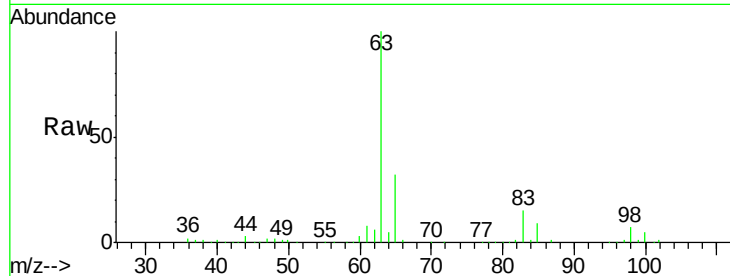
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	105563
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	5.1	2.5	7.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

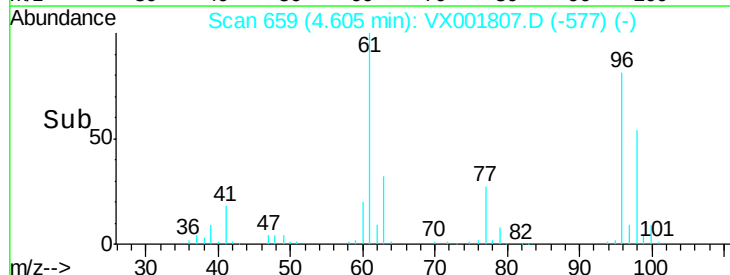
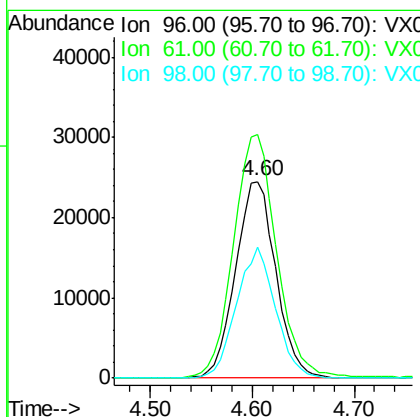
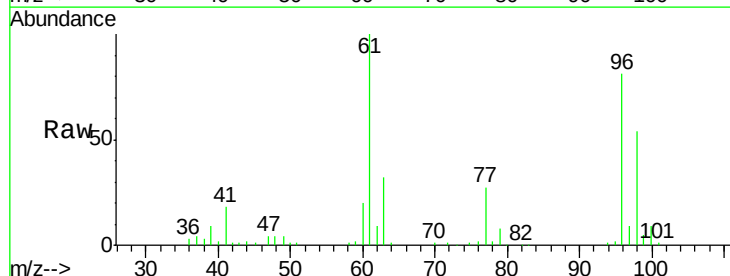
RT: 4.60 min Scan# 659

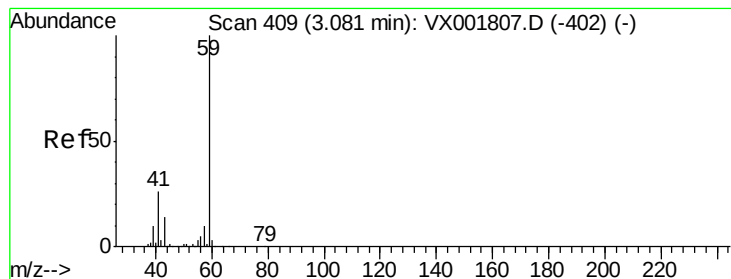
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	96	Resp:	67385
Ion	Ratio	Lower	Upper
96	100		
61	132.4	105.9	158.9
98	64.4	51.5	77.3





#23

tert-Butyl Alcohol

Concen: 96.52 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 59 Resp: 80770

Ion Ratio Lower Upper

59 100

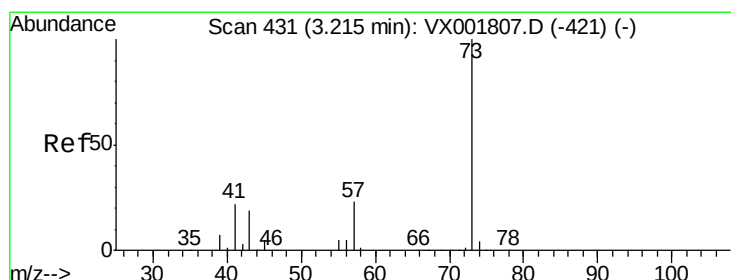
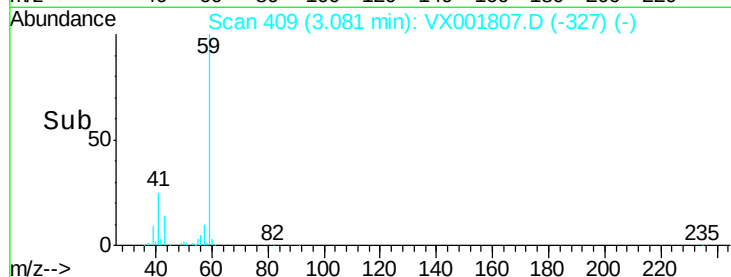
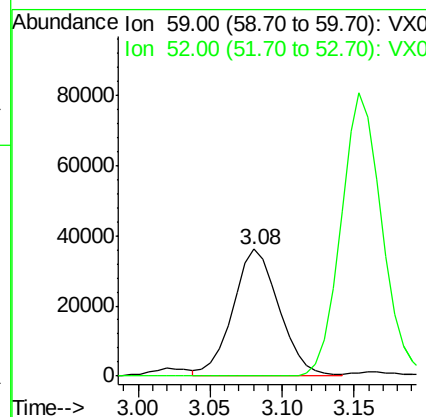
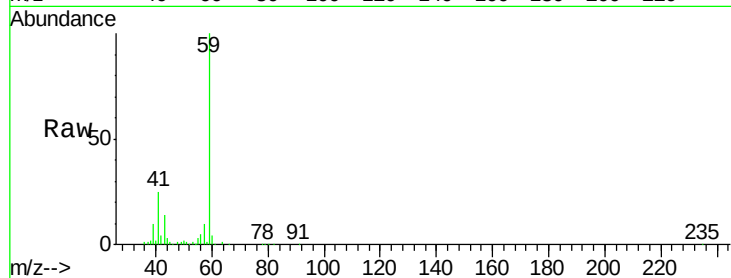
52 0.1 0.1 0.1#

Manual Integrations

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MMDadoda

5/21/2018 2:40:33 PM



#24

Methyl tert-Butyl Ether

Concen: 20.07 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX001807.D

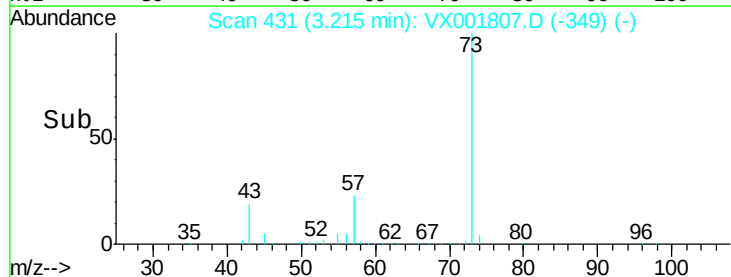
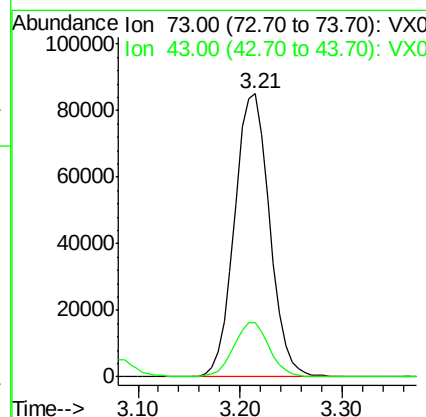
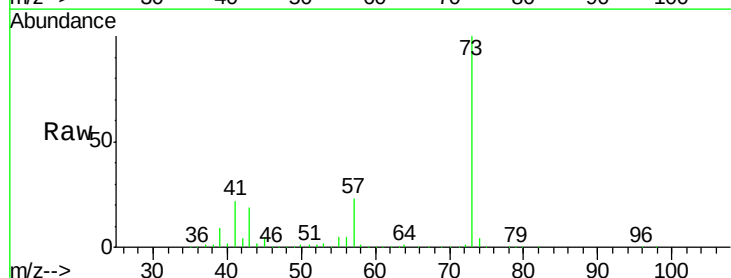
Acq: 18 May 2018 04:41

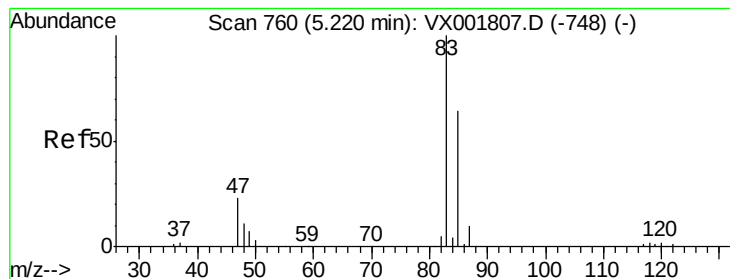
Tgt Ion: 73 Resp: 202767

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8





#25

Chloroform

Concen: 19.38 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 113213

Ion Ratio Lower Upper

83 100

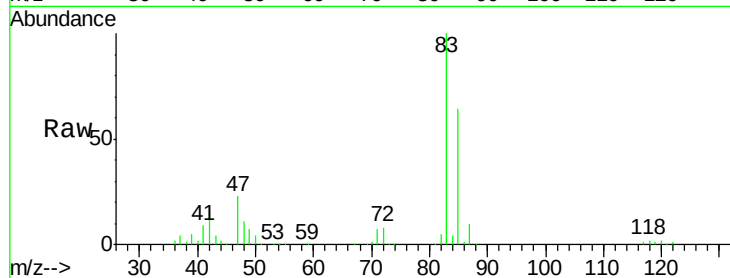
85 64.5 51.6 77.4

Manual Integrations

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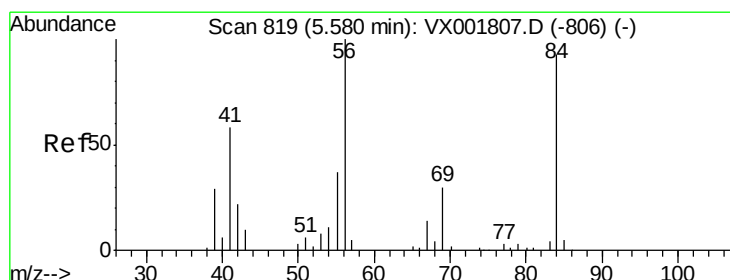
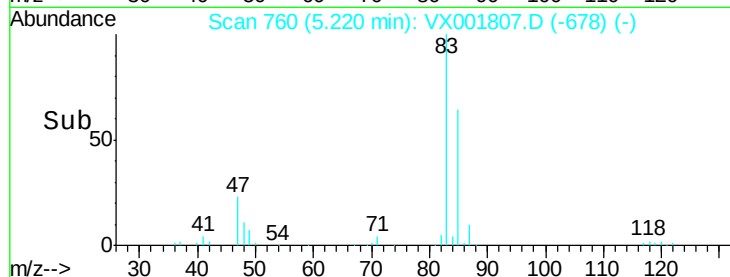
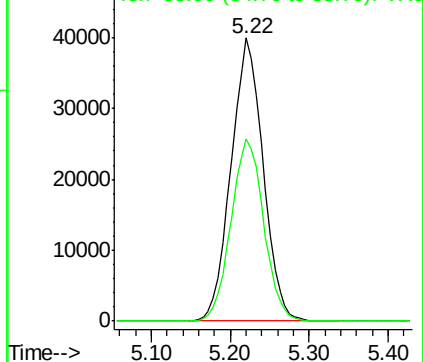
MMDadoda

5/21/2018 2:40:33 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 14.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

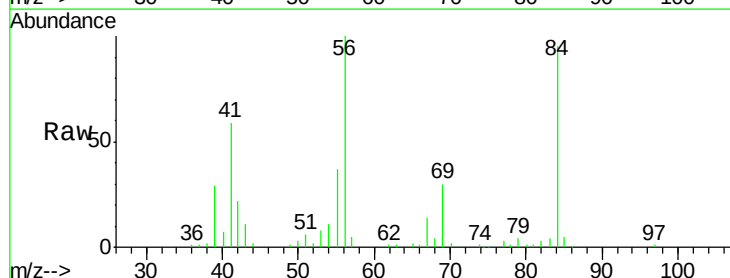
Tgt Ion: 56 Resp: 58210

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

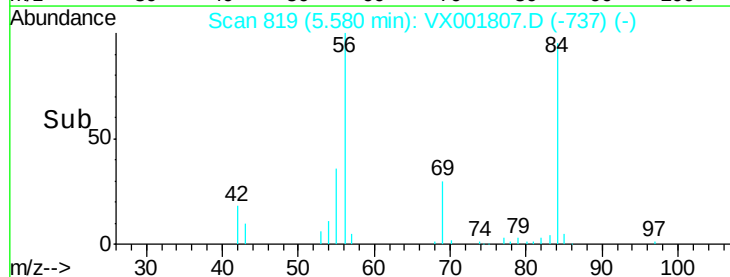
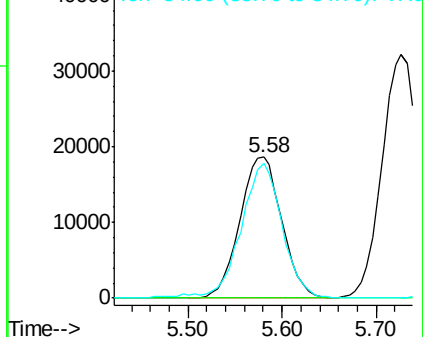
84 92.3 73.8 110.8

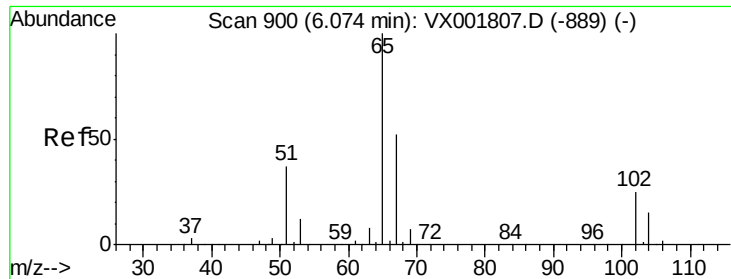


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 27.33 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tot Ion: 65 Resp: 119045

Ion Ratio Lower Upper

65 100

67 52.6 42.1 63.1

Instrument :

MSVOA_X

ClientSampled :

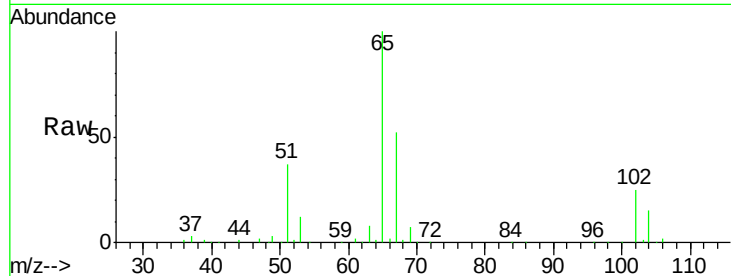
VSTDICCC020

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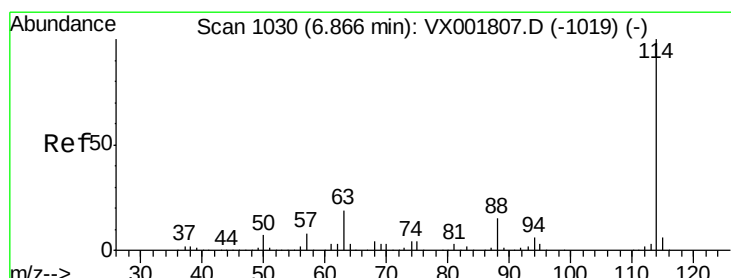
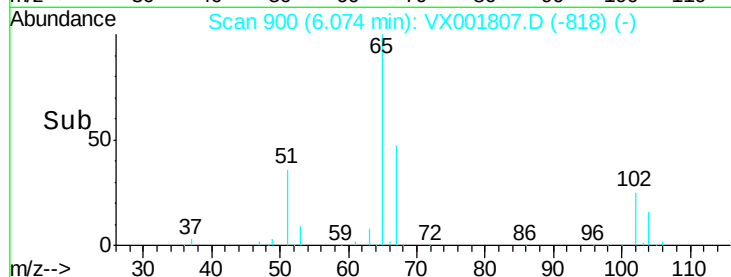
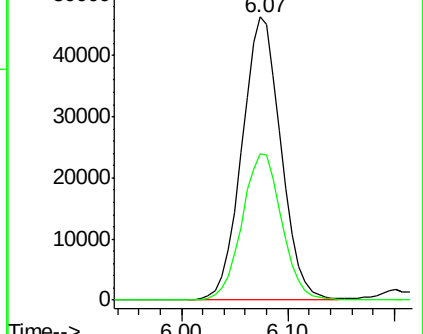
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

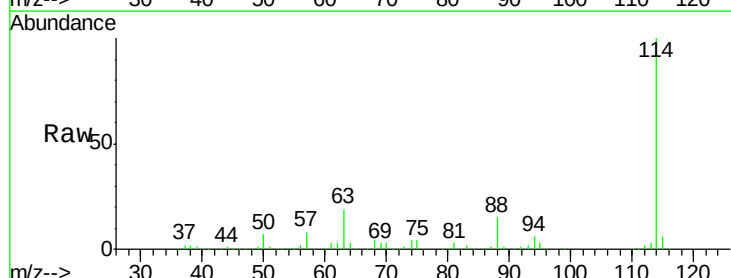
Tgt Ion: 114 Resp: 262368

Ion Ratio Lower Upper

114 100

63 18.6 14.9 22.3

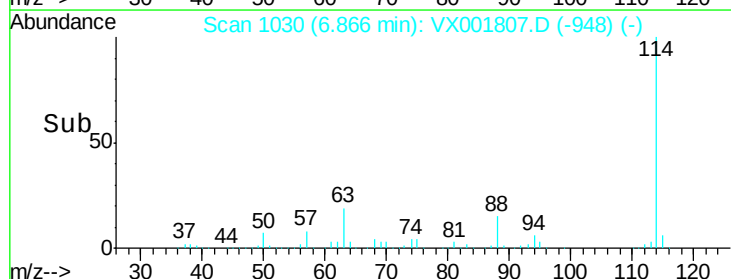
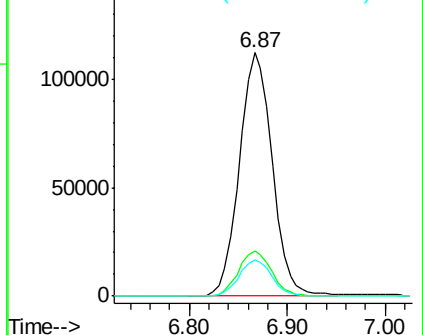
88 14.8 11.8 17.8

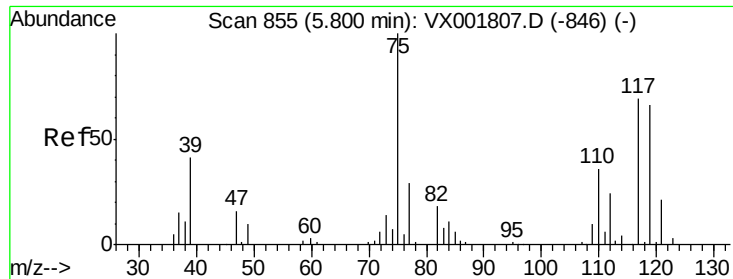


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





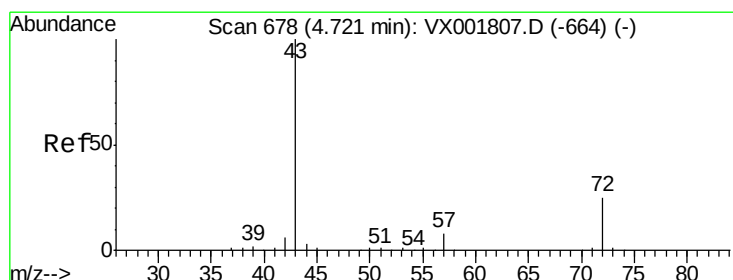
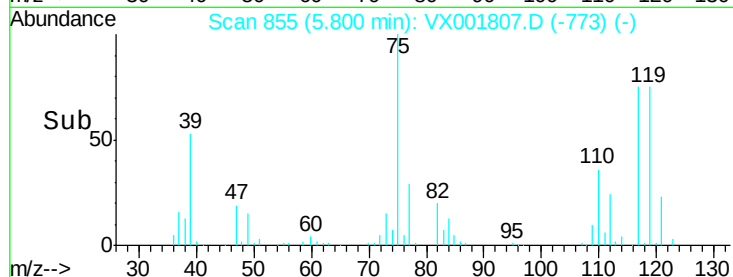
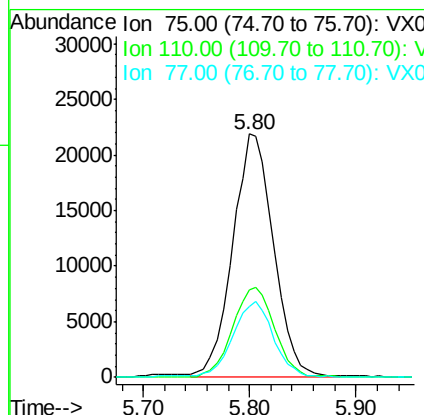
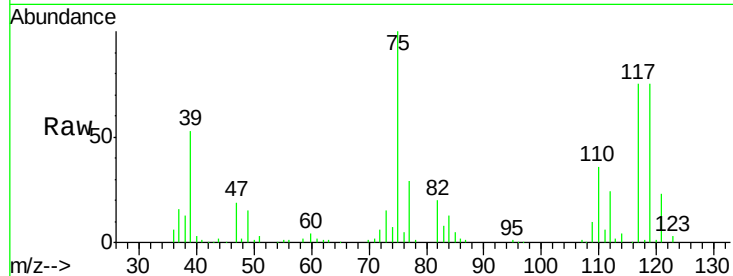
#29
 1,1-Dichloropropene
 Concen: 18.62 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.6	0.0	75.2
77	30.8	0.0	61.6

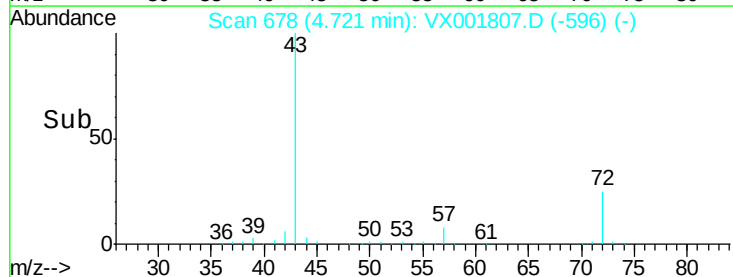
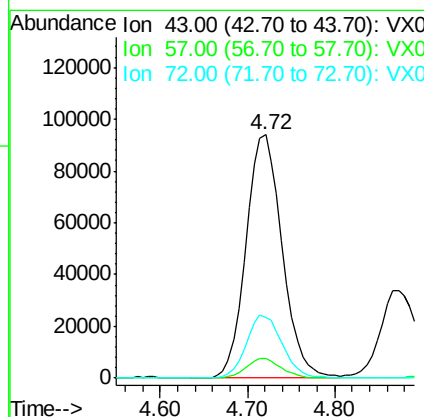
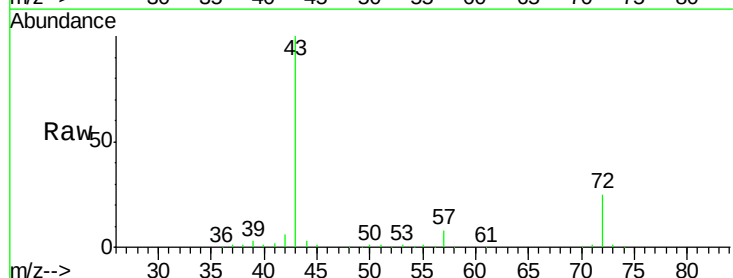
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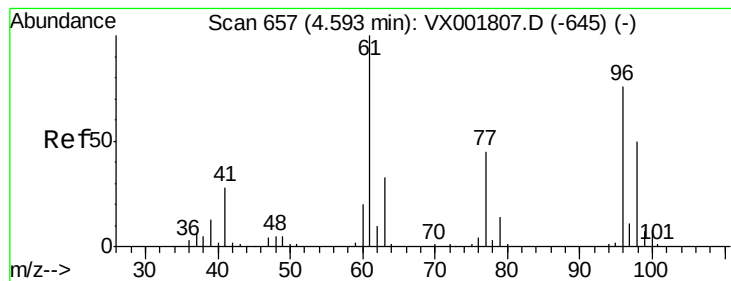
MMDadoda
 5/21/2018 2:40:33 PM



#30
 2-Butanone
 Concen: 120.06 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	25.7	20.6	30.8





#31

2,2-Dichloropropane

Concen: 14.05 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tot Ion: 77 Resp: 36309

Ion Ratio Lower Upper

77 100

97 27.9 22.3 33.5

Instrument :

MSVOA_X

ClientSampled :

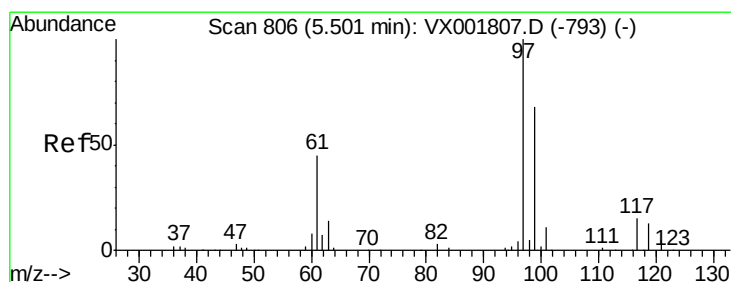
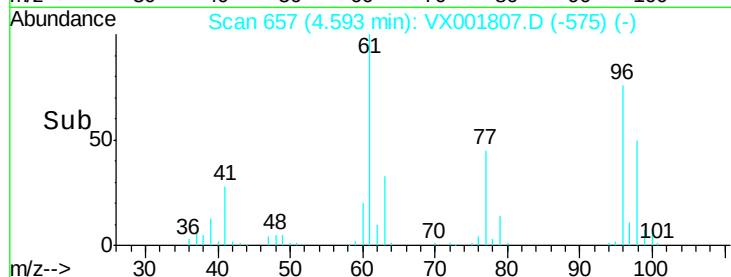
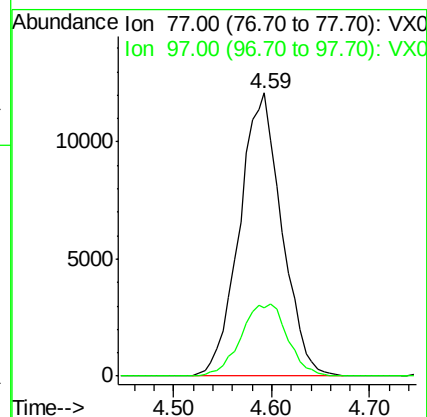
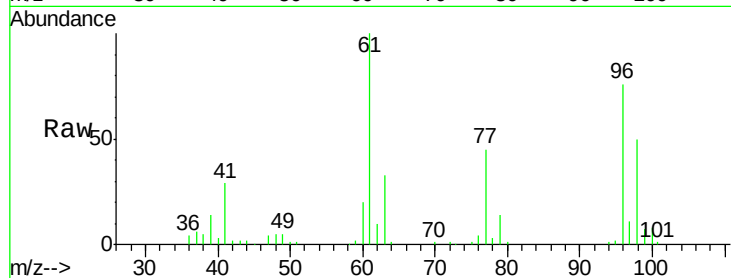
VSTDICCC020

Manual Integrations

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MMDadoda

5/21/2018 2:40:33 PM



#32

1,1,1-Trichloroethane

Concen: 19.24 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

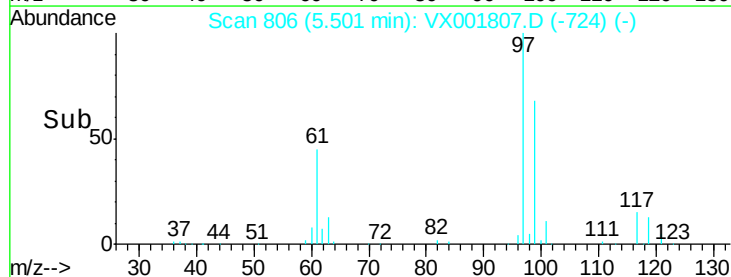
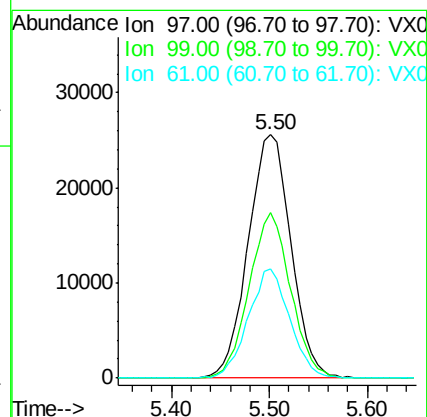
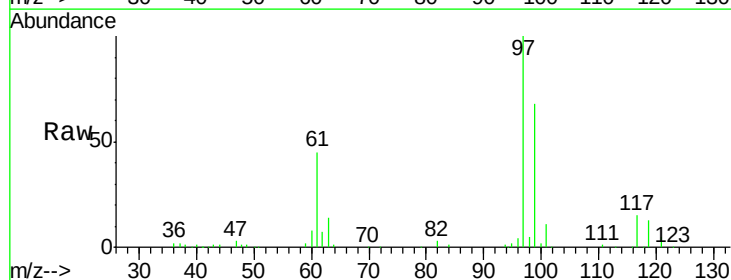
Tgt Ion: 97 Resp: 77998

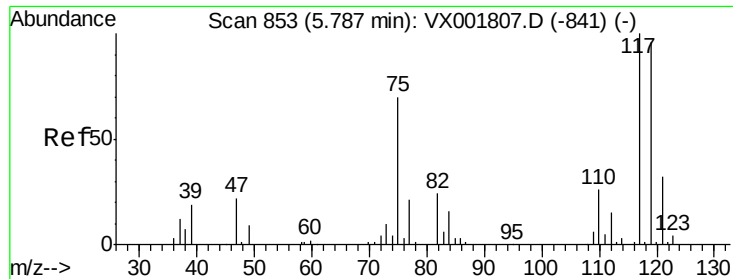
Ion Ratio Lower Upper

97 100

99 65.5 52.4 78.6

61 43.2 34.6 51.8





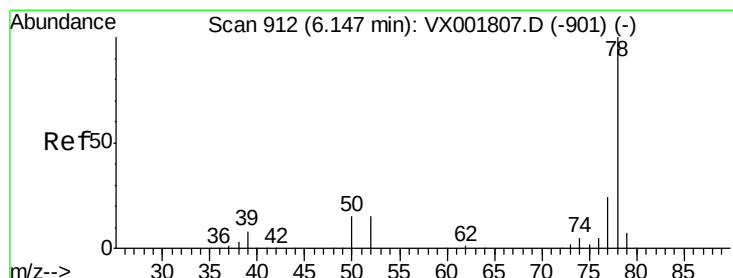
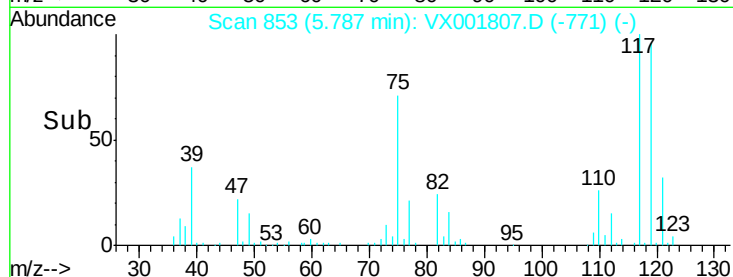
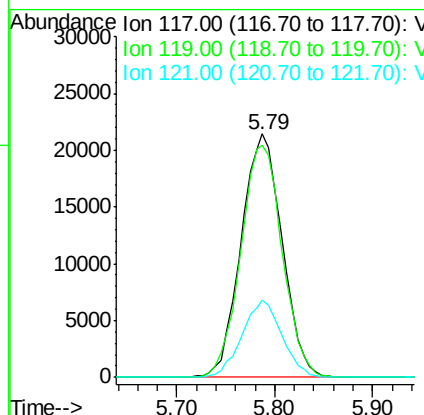
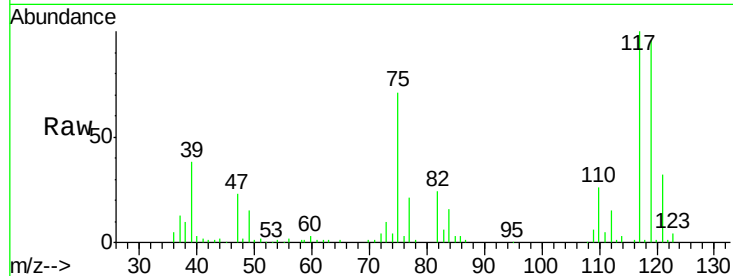
#33
Carbon Tetrachloride
Concen: 17.74 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.4	114.6
121	31.6	25.3	37.9

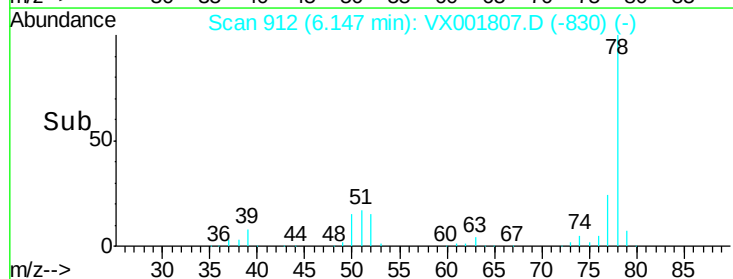
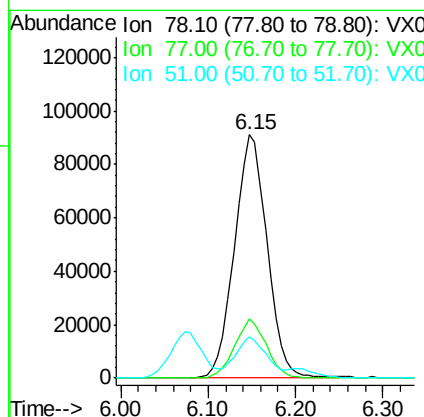
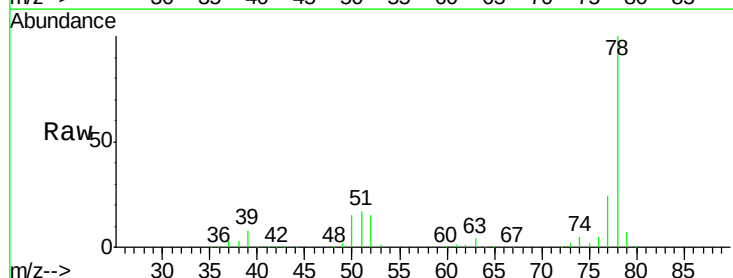
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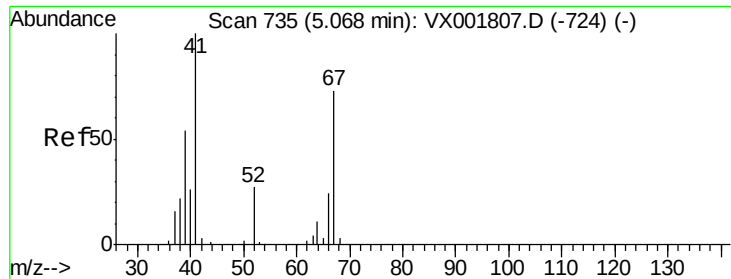
MMDadoda
5/21/2018 2:40:33 PM



#34
Benzene
Concen: 22.32 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0
51	16.5	13.2	19.8





#35

Methacrylonitrile

Concen: 23.48 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX001807.D

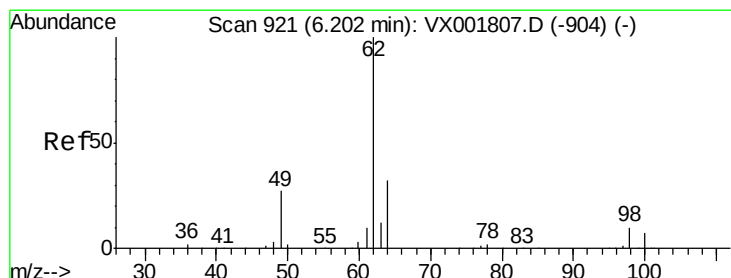
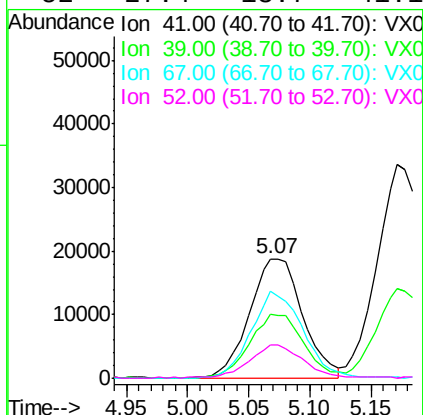
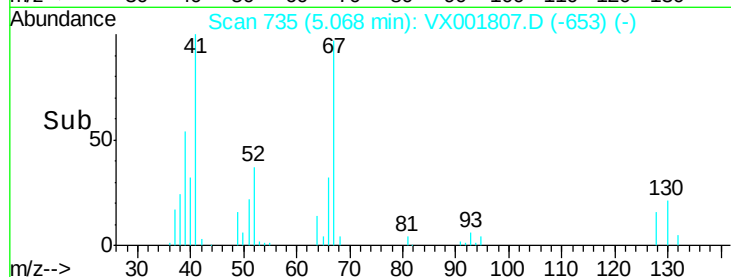
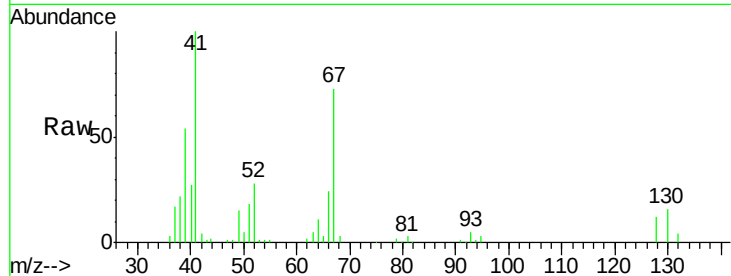
Acq: 18 May 2018 04:41

Tot Ion:	41	Resp:	56896
Ion	Ratio	Lower	Upper
41	100		
39	53.7	26.9	80.6
67	73.5	36.8	110.3
52	27.4	13.7	41.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
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MMDadoda
5/21/2018 2:40:33 PM



#36

1,2-Dichloroethane

Concen: 22.49 ug/l

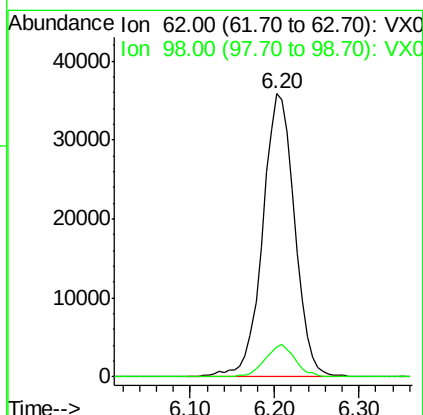
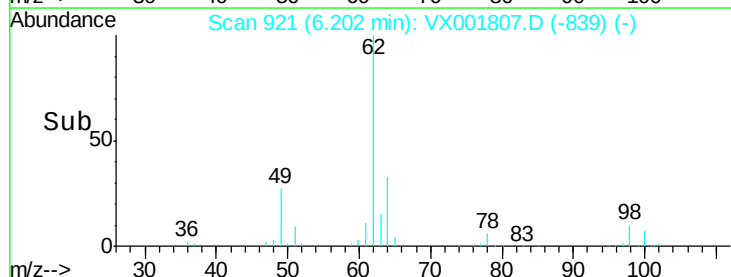
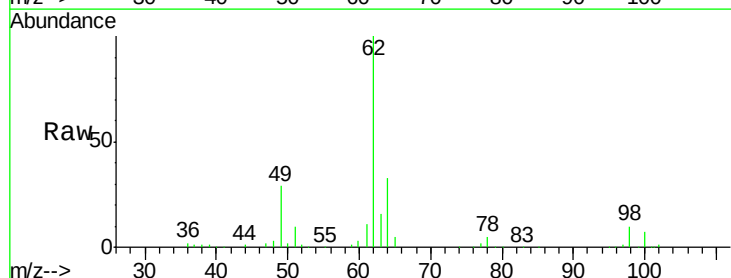
RT: 6.20 min Scan# 921

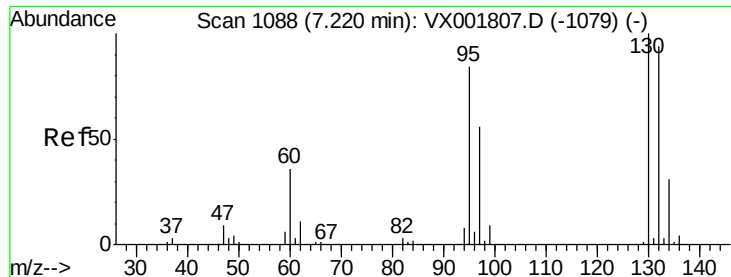
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	62	Resp:	94380
Ion	Ratio	Lower	Upper
62	100		
98	10.7	8.6	12.8





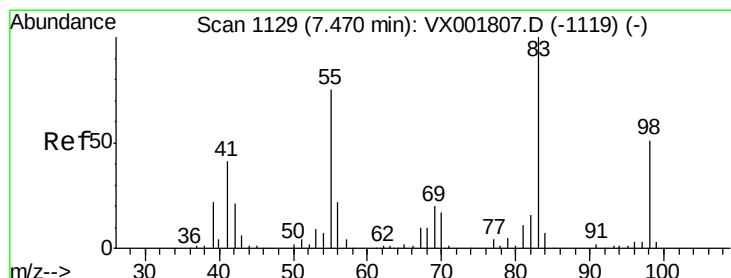
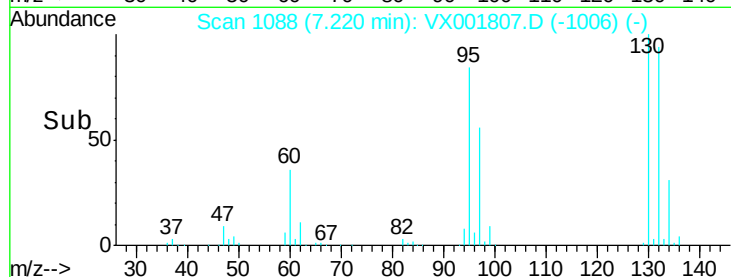
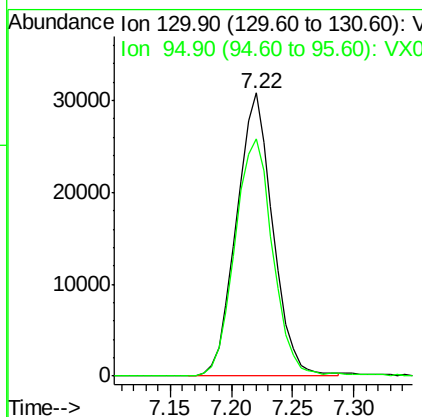
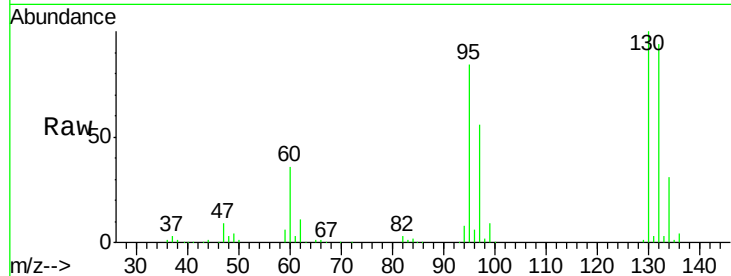
#37
 Trichloroethene
 Concen: 20.77 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 63670
 Ion Ratio Lower Upper
 130 100
 95 83.9 67.1 100.7

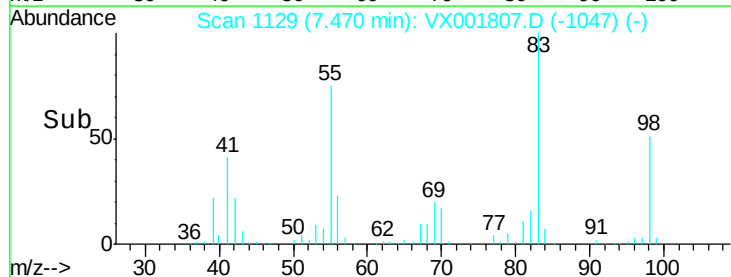
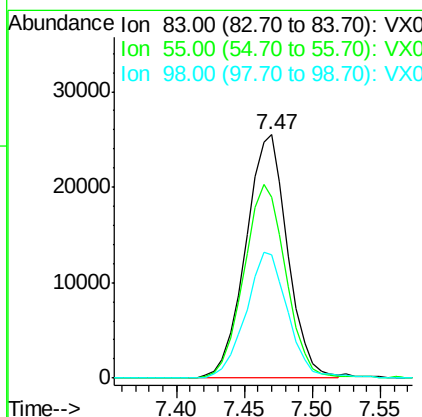
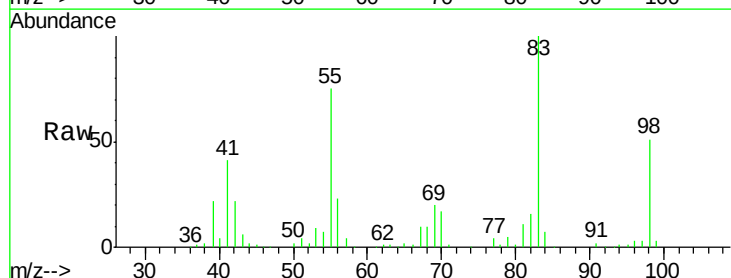
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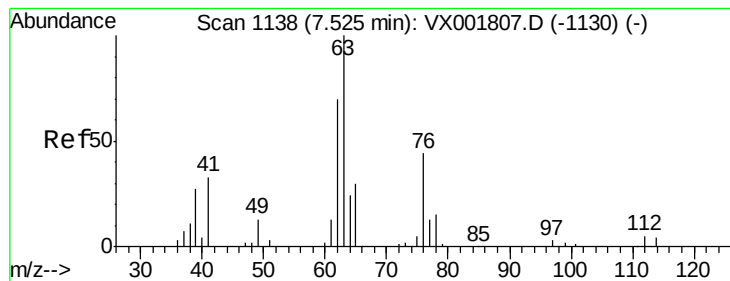
MMDadoda
 5/21/2018 2:40:33 PM



#38
 Methylcyclohexane
 Concen: 16.60 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion: 83 Resp: 54887
 Ion Ratio Lower Upper
 83 100
 55 79.9 40.0 119.9
 98 51.6 25.8 77.4





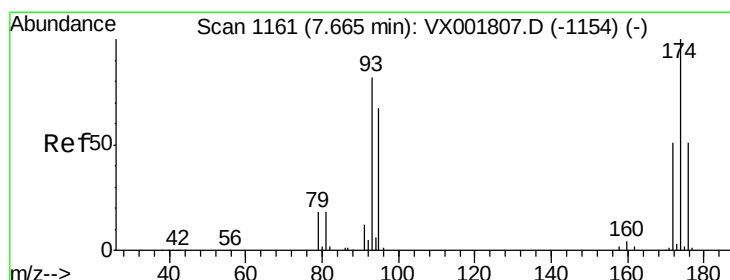
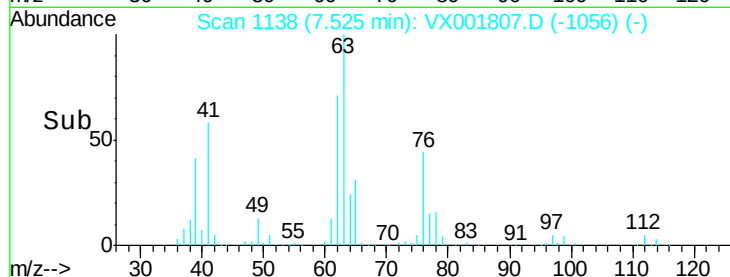
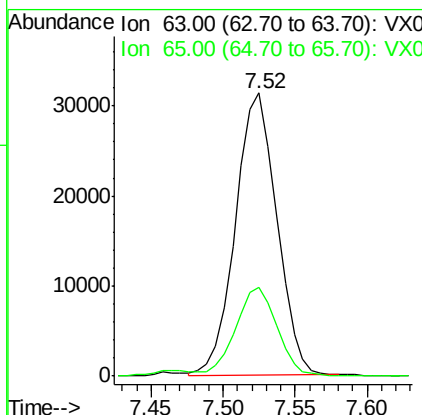
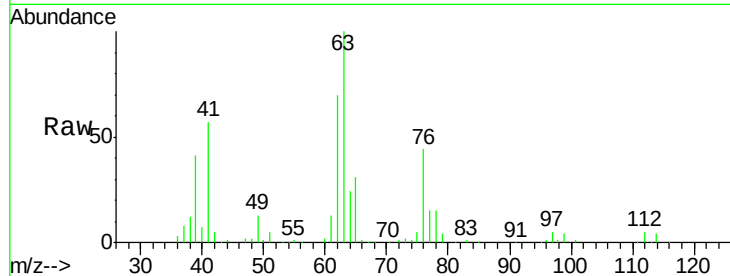
#39
 1,2-Dichloropropane
 Concen: 23.13 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 62418
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

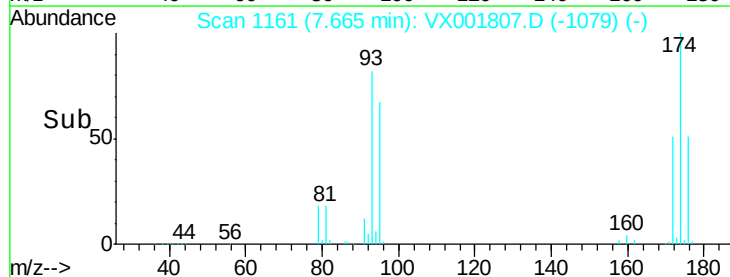
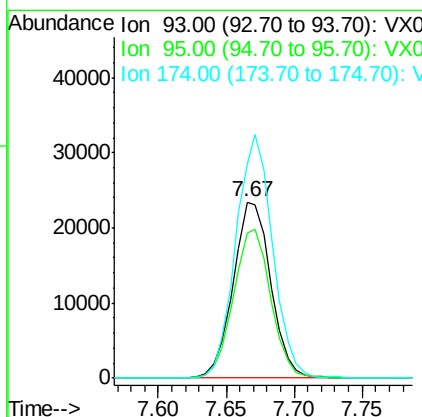
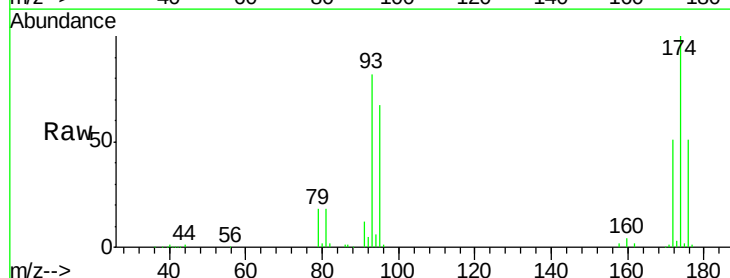
Manual Integrations
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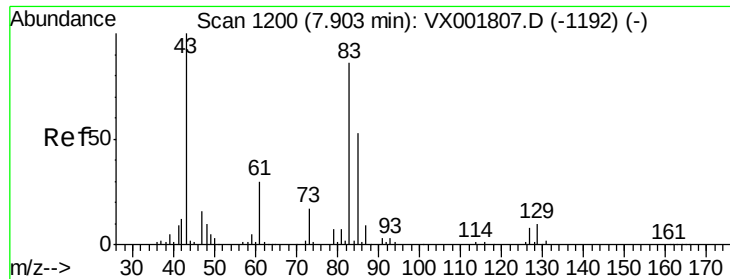
MMDadoda
 5/21/2018 2:40:33 PM



#40
 Dibromomethane
 Concen: 23.42 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion: 93 Resp: 45313
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 167.4
 174 134.8 0.0 269.6





#41

Bromodichloromethane

Concen: 22.07 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

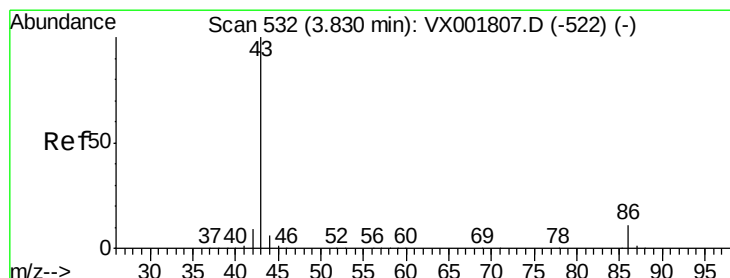
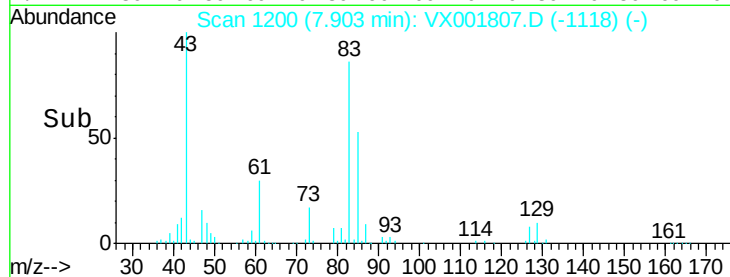
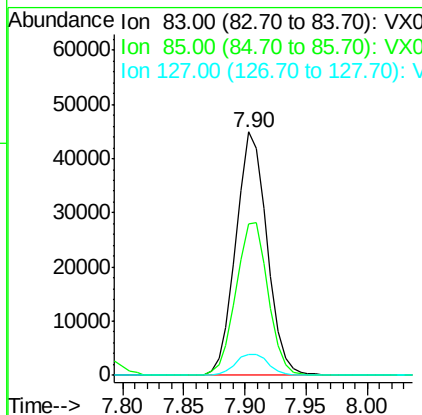
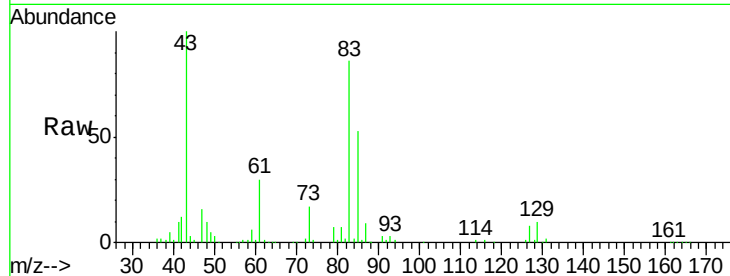
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	79441
Ion Ratio	Lower	Upper	
83	100		
85	62.0	49.6	74.4
127	8.8	7.0	10.6

Manual Integrations
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5/21/2018 2:40:33 PM



#42

Vinyl Acetate

Concen: 98.72 ug/l

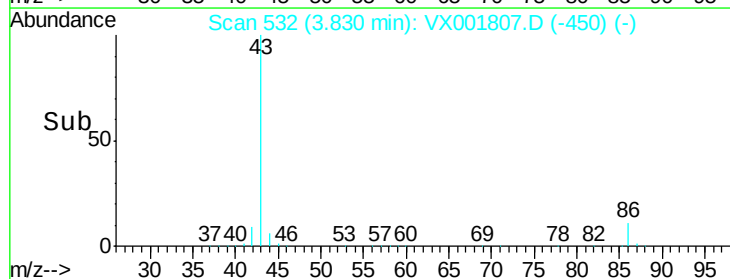
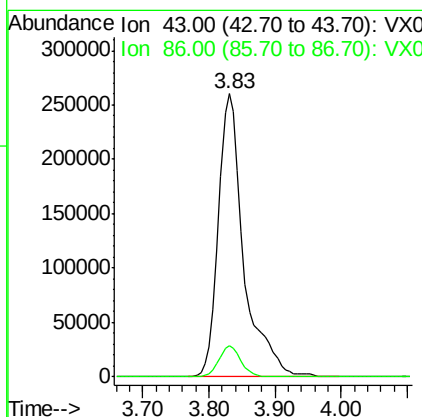
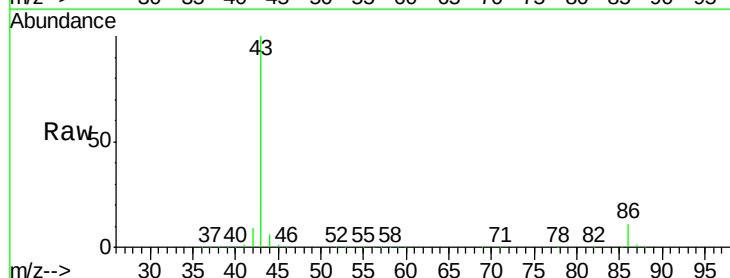
RT: 3.83 min Scan# 532

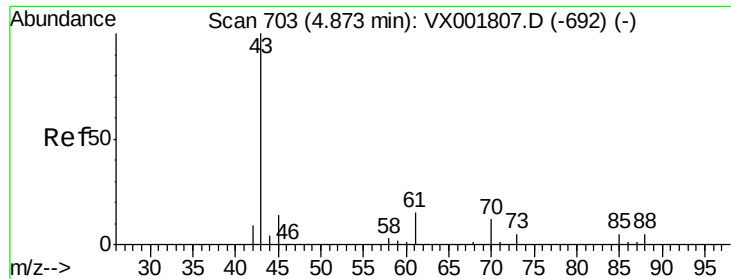
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	43	Resp:	694233
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.5	11.3





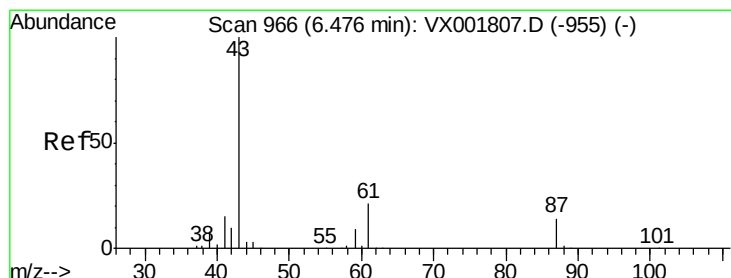
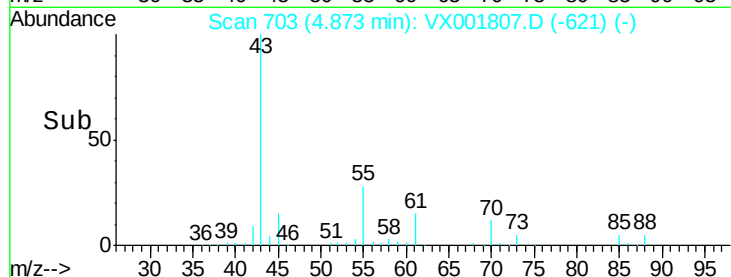
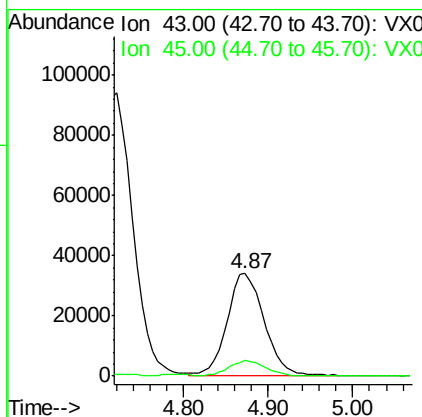
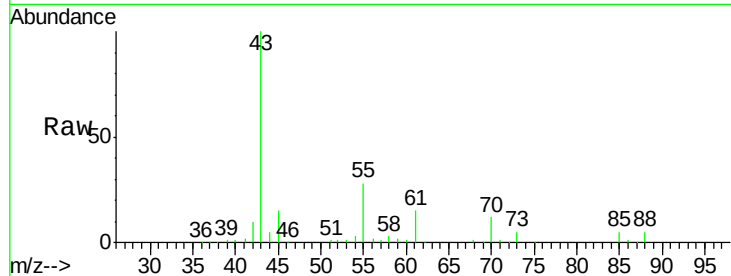
#43
Ethyl Acetate
Concen: 23.82 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 101791
Ion Ratio Lower Upper
43 100
45 14.7 11.8 17.6

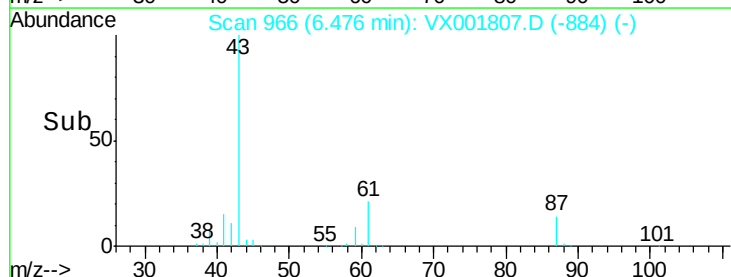
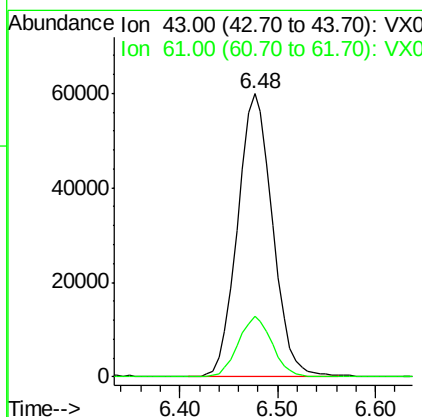
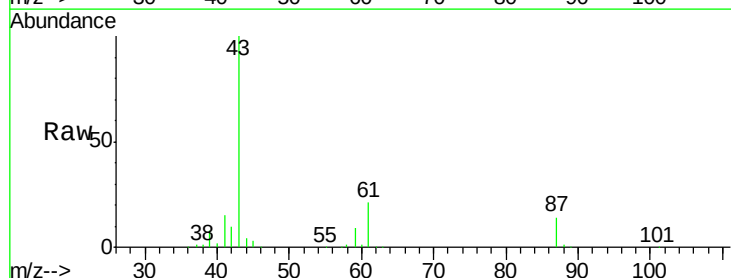
Manual Integrations
APPROVED

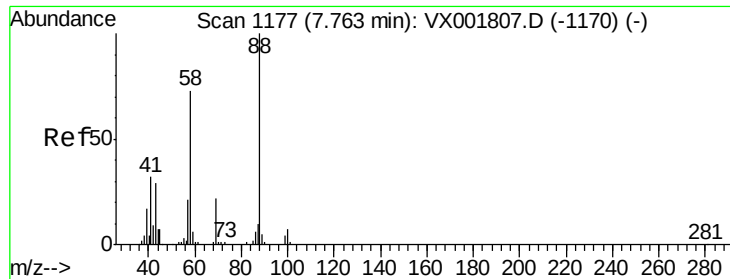
MMDadoda
5/21/2018 2:40:33 PM



#44
Isopropyl Acetate
Concen: 22.77 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion: 43 Resp: 148223
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8





#45

1,4-Dioxane

Concen: 463.18 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

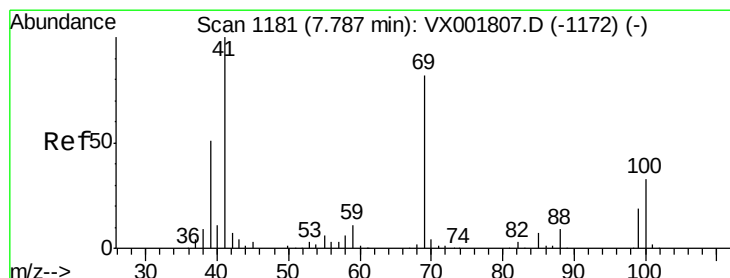
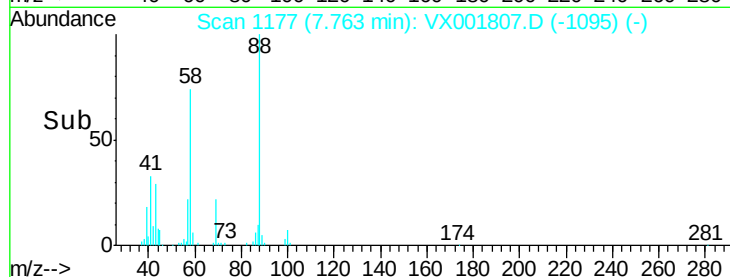
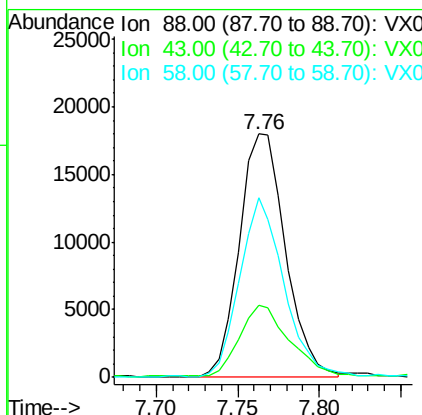
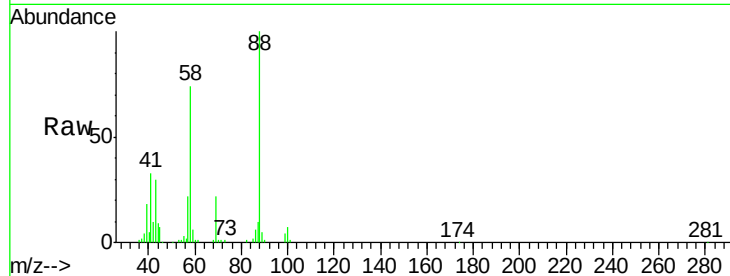
ClientSampleId :

VSTDICCC020

Tot Ion:	88	Resp:	35369
Ion	Ratio	Lower	Upper
88	100		
43	31.3	25.0	37.6
58	71.1	56.9	85.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:33 PM



#46

Methyl methacrylate

Concen: 22.54 ug/l

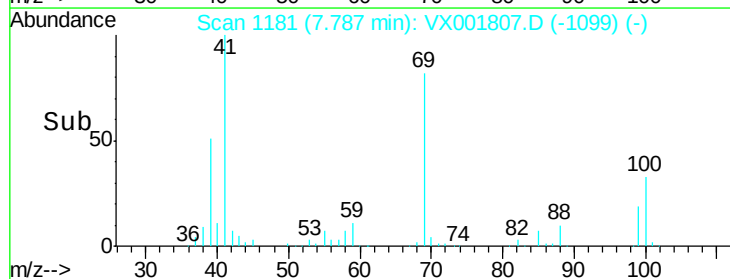
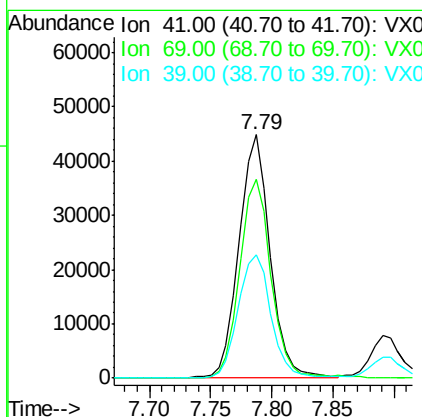
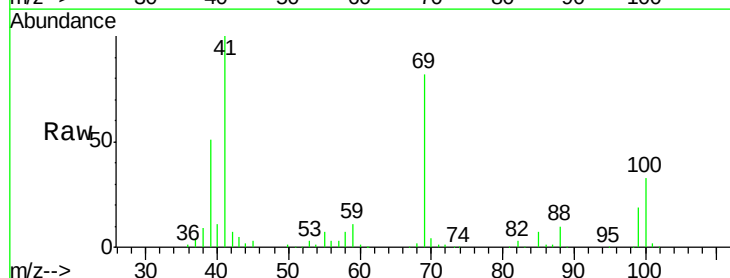
RT: 7.79 min Scan# 1181

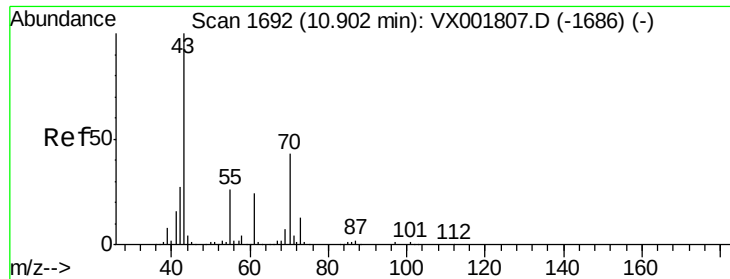
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	41	Resp:	78658
Ion	Ratio	Lower	Upper
41	100		
69	81.8	40.9	122.7
39	50.6	25.3	75.9





#47

n-amvl Acetate

Concen: 19.40 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 103329

Ion Ratio Lower Upper

43 100

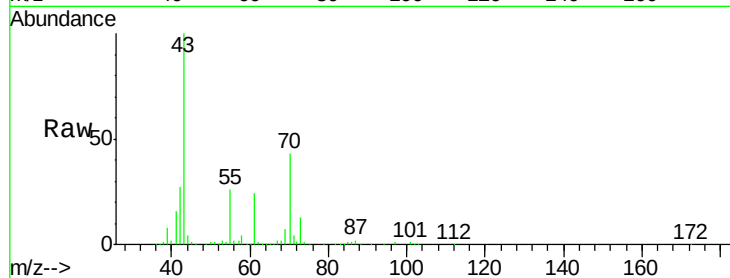
55 26.2 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

80000

60000

40000

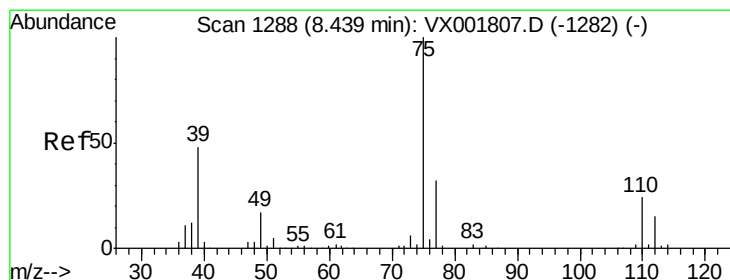
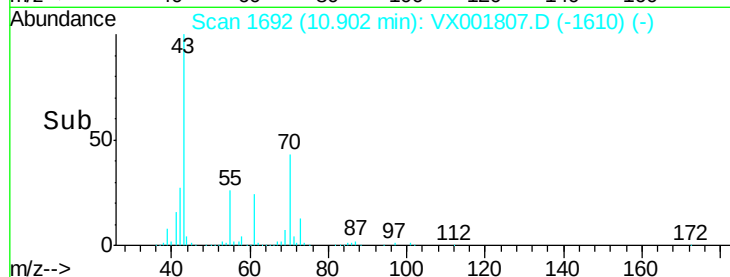
20000

0

10.90

11.00

Time-->



#48

t-1,3-Dichloropropene

Concen: 21.18 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001807.D

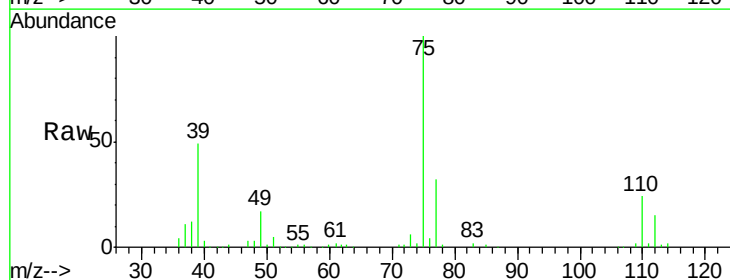
Acq: 18 May 2018 04:41

Tgt Ion: 75 Resp: 83498

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

20000

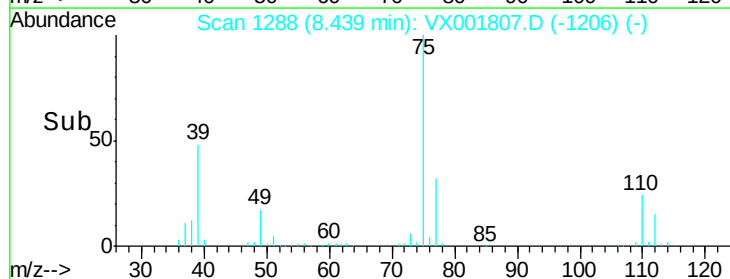
10000

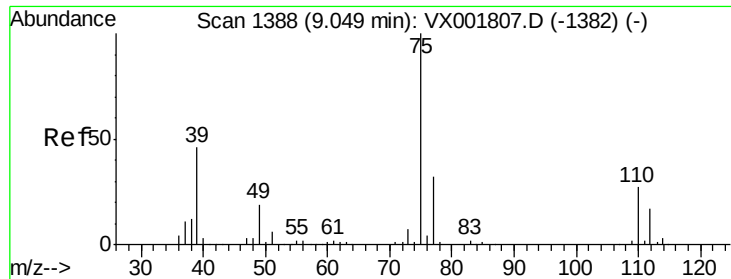
0

8.44

8.50

Time-->





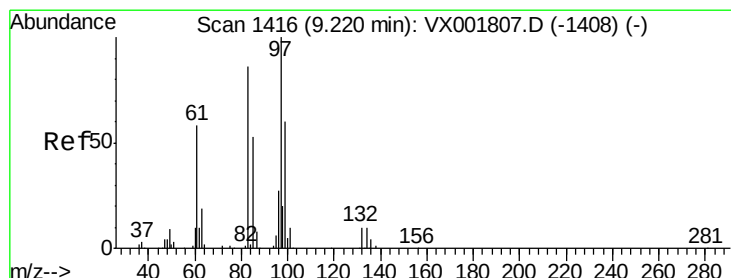
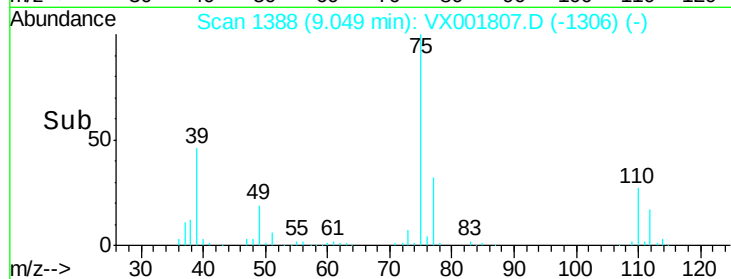
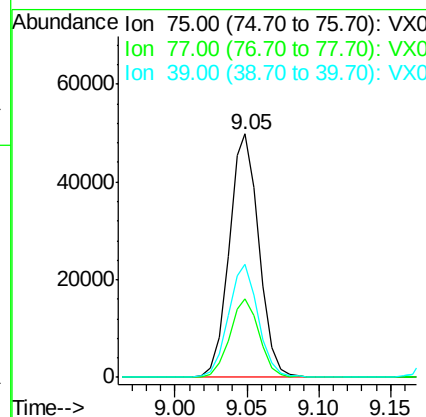
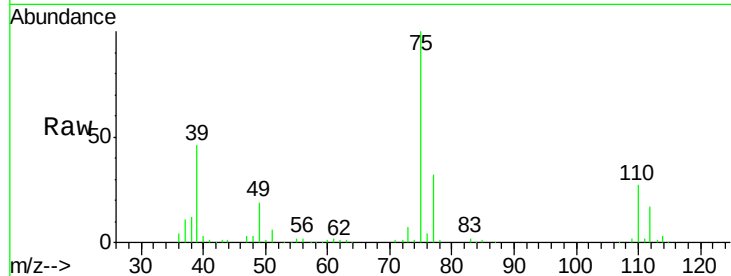
#49
 cis-1,3-Dichloropropene
 Concen: 20.74 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	46.2	37.0	55.4

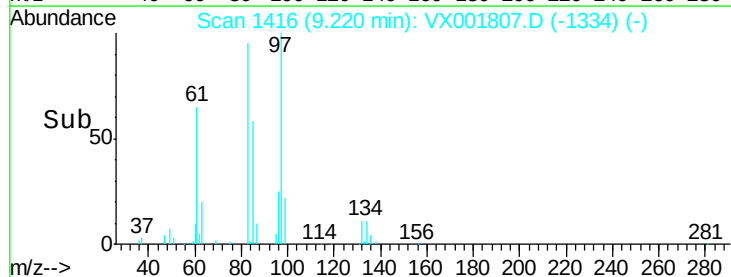
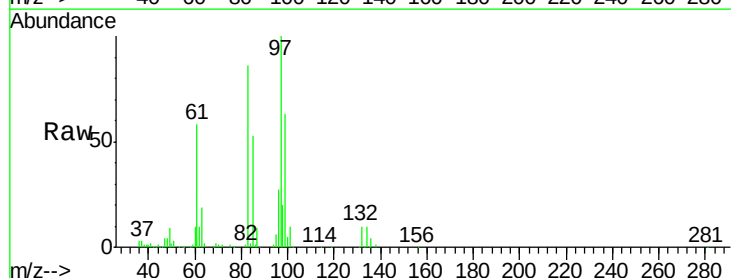
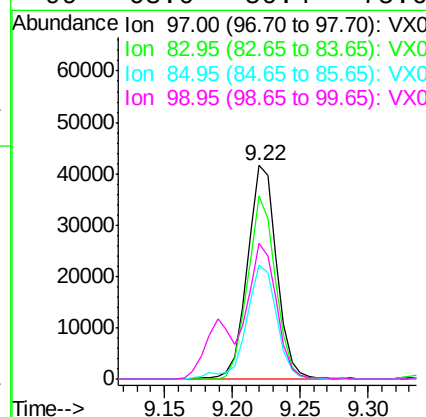
Manual Integrations
 APPROVED

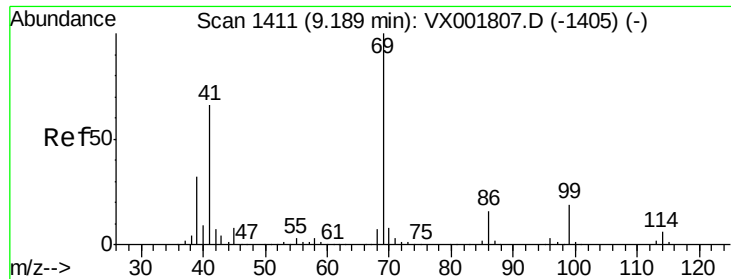
MMDadoda
 5/21/2018 2:40:33 PM



#50
 1,1,2-Trichloroethane
 Concen: 22.23 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.6	103.0
85	53.1	42.5	63.7
99	63.0	50.4	75.6





#51

Ethyl methacrylate

Concen: 20.61 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

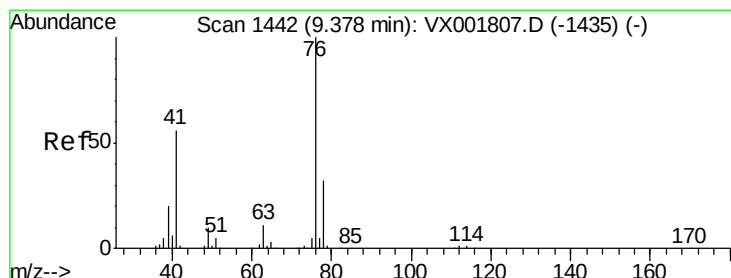
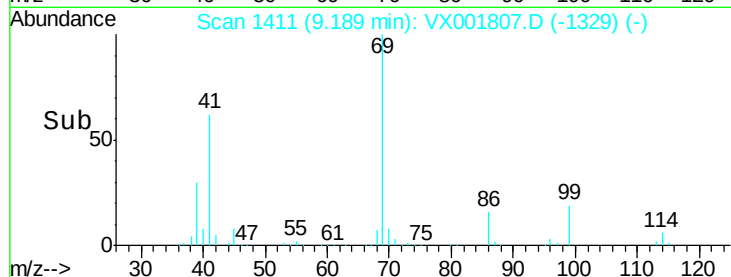
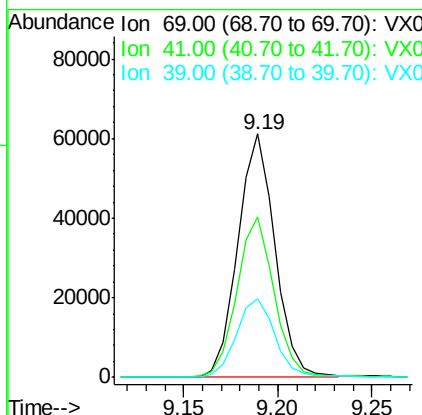
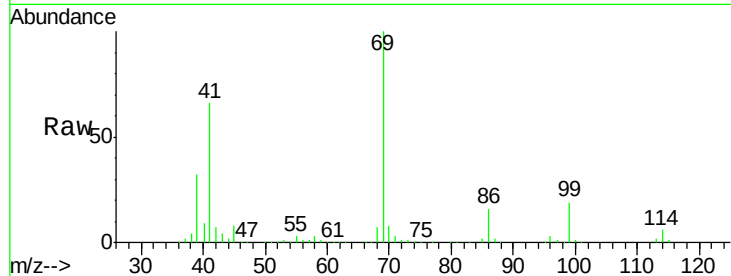
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	83248
Ion Ratio	Lower	Upper	
69	100		
41	65.8	32.9	98.7
39	32.1	16.1	48.2

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:33 PM



#52

1,3-Dichloropropane

Concen: 21.58 ug/l

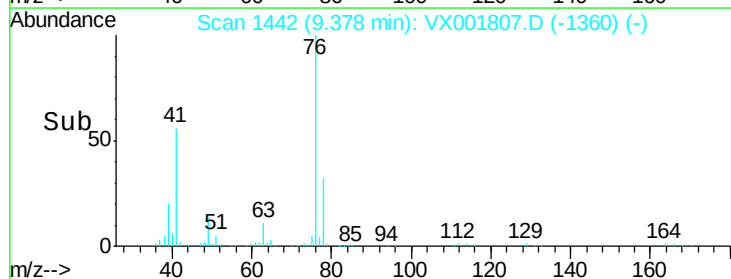
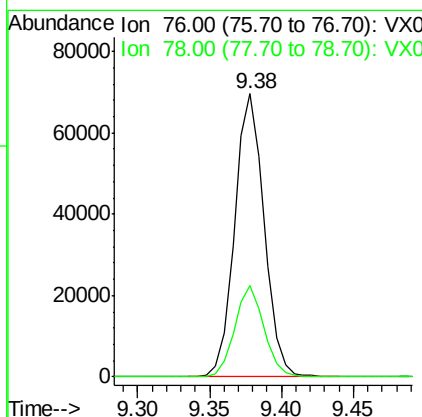
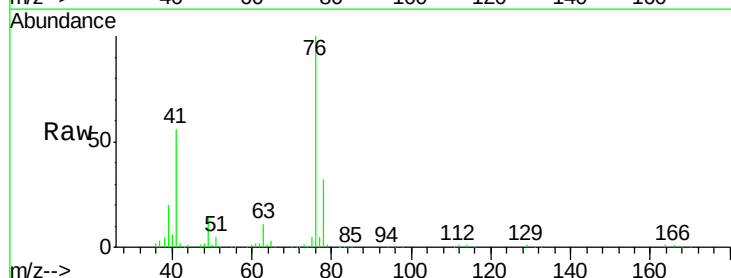
RT: 9.38 min Scan# 1442

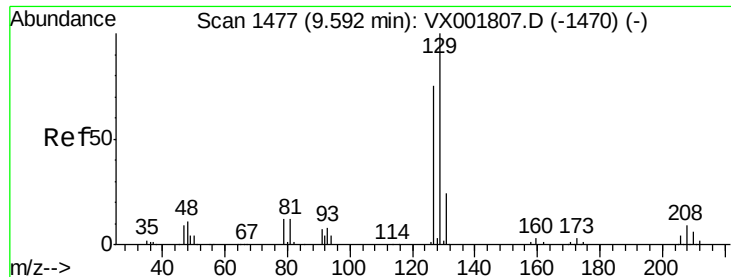
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	76	Resp:	99404
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	63.6





#53

Dibromochloromethane

Concen: 20.61 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 59751

Ion Ratio Lower Upper

129 100

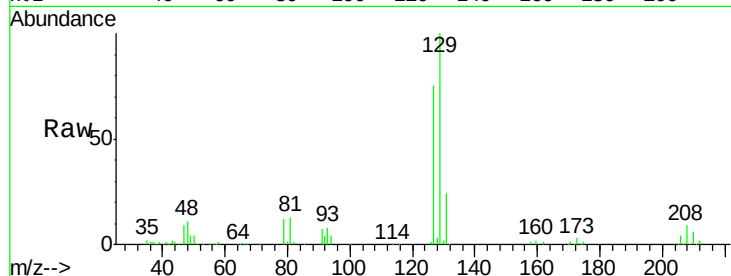
127 77.4 38.7 116.1

Manual Integrations

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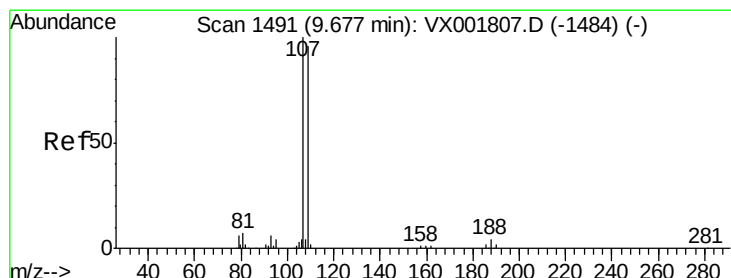
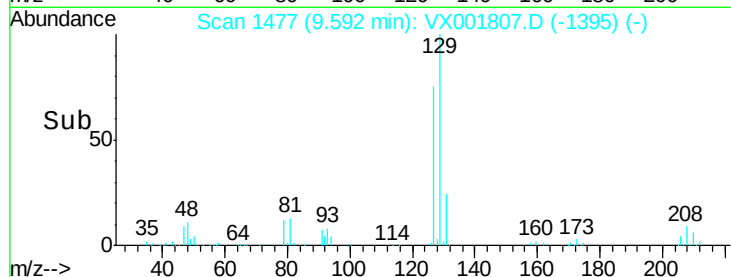
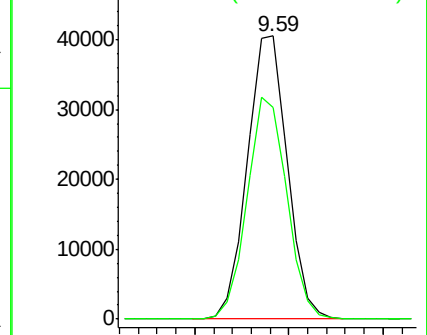
MMDadoda

5/21/2018 2:40:33 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.59 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001807.D

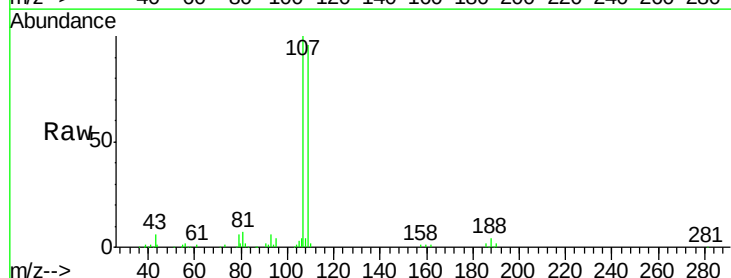
Acq: 18 May 2018 04:41

Tgt Ion:107 Resp: 63447

Ion Ratio Lower Upper

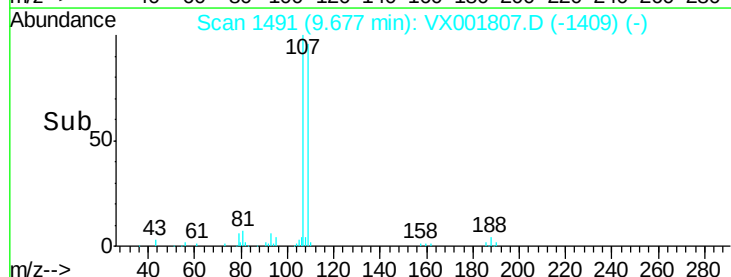
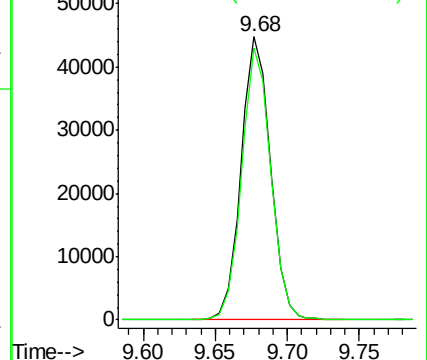
107 100

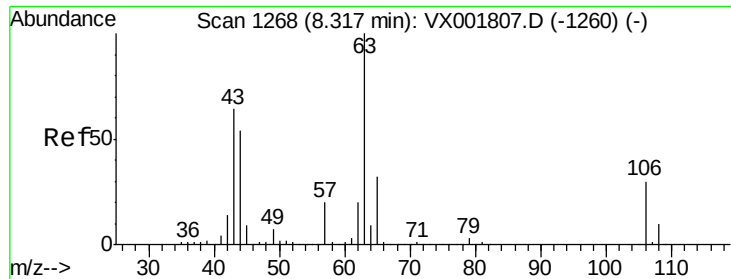
109 95.4 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





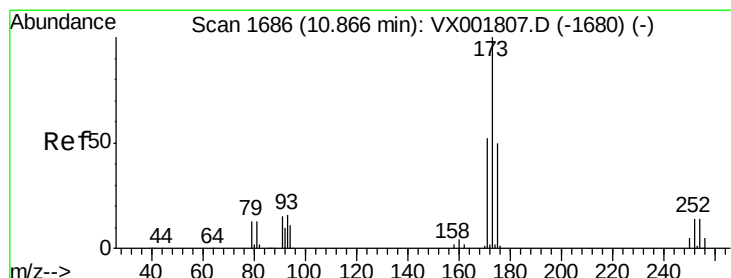
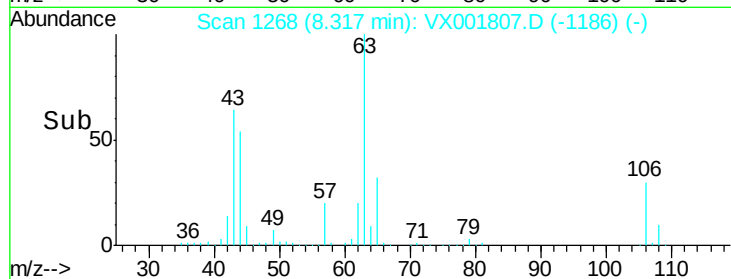
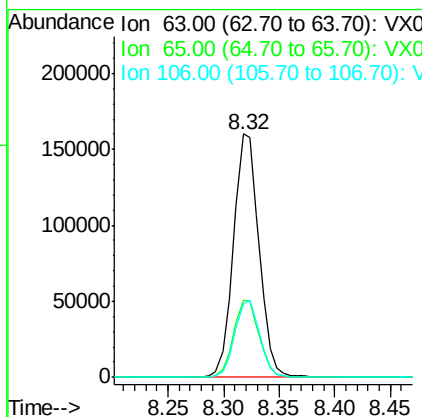
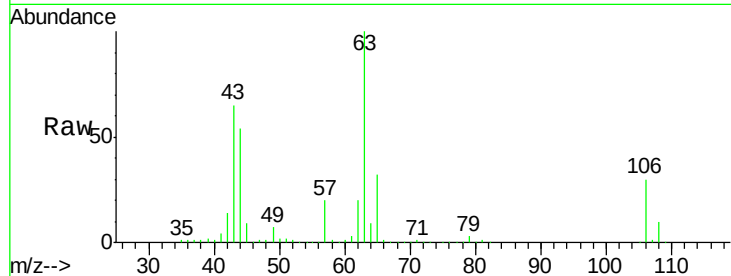
#55
2-Chloroethyl vinyl ether
Concen: 115.83 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	31.1	24.9	37.3

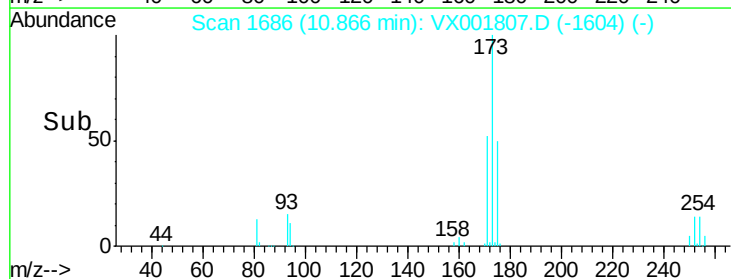
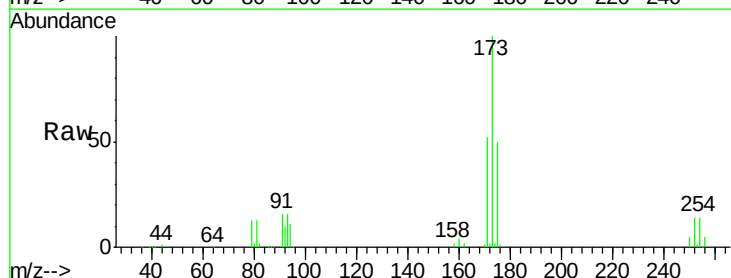
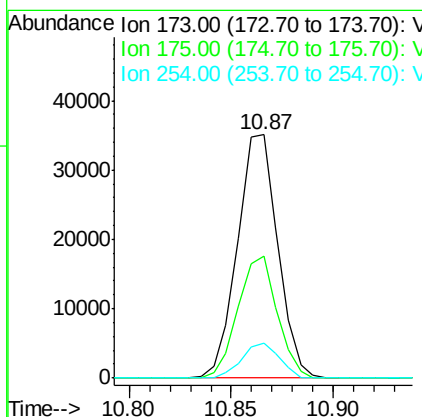
Manual Integrations
APPROVED

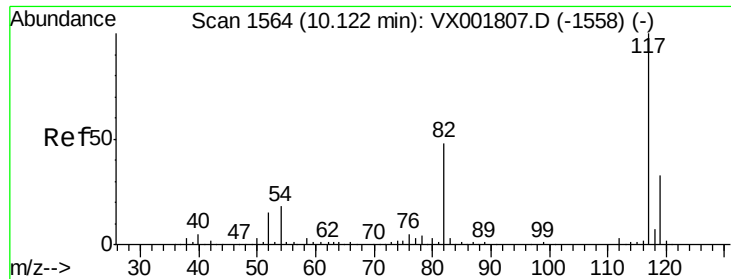
MMDadoda
5/21/2018 2:40:33 PM



#56
Bromoform
Concen: 20.24 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
254	13.4	10.7	16.1





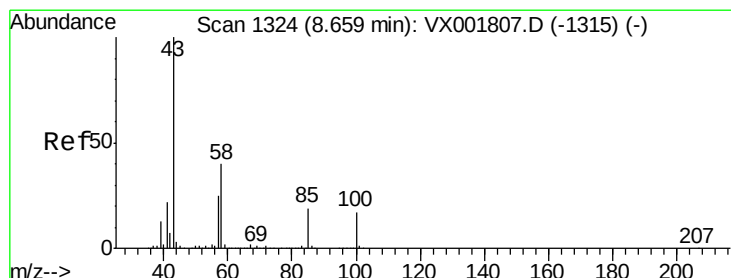
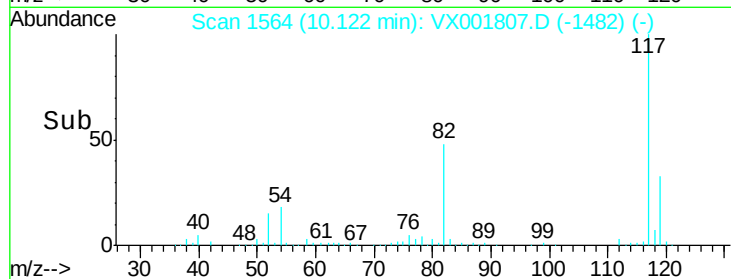
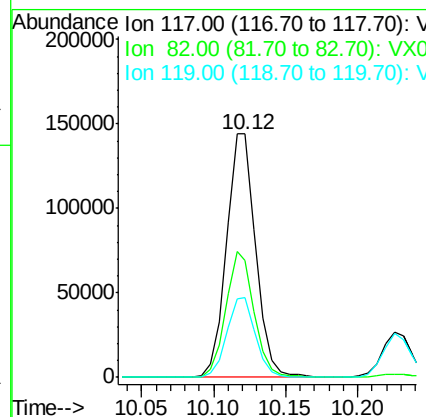
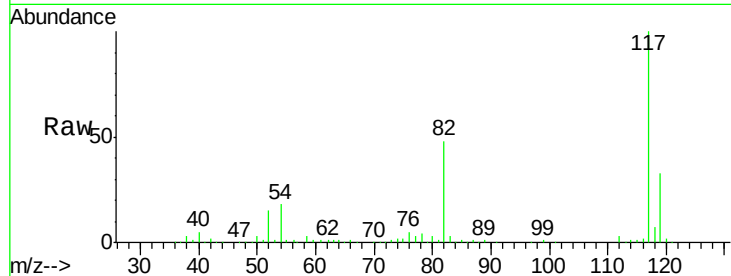
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	205400		
82	50.1	40.1	60.1	
119	32.5	26.0	39.0	

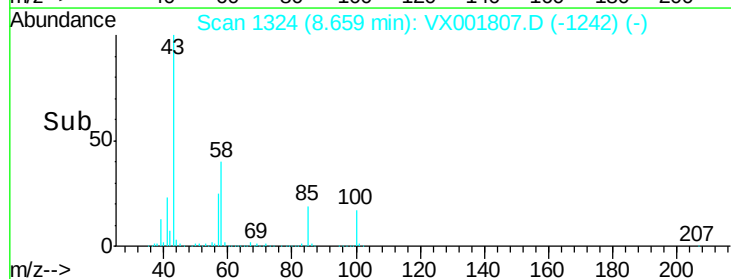
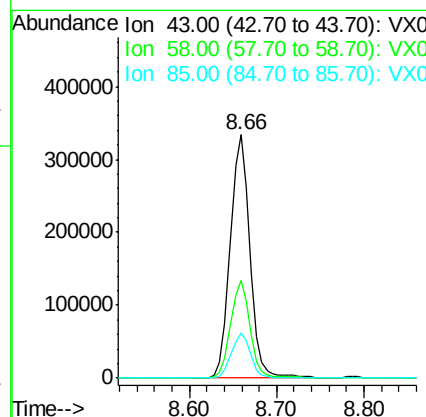
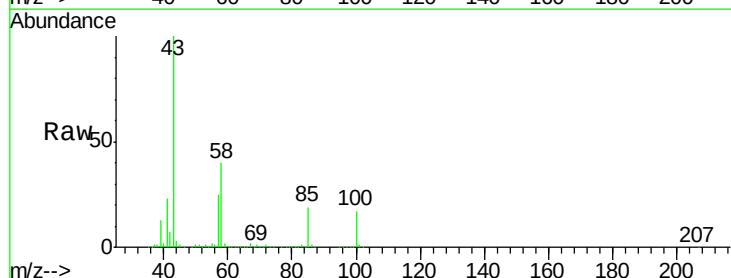
Manual Integrations
APPROVED

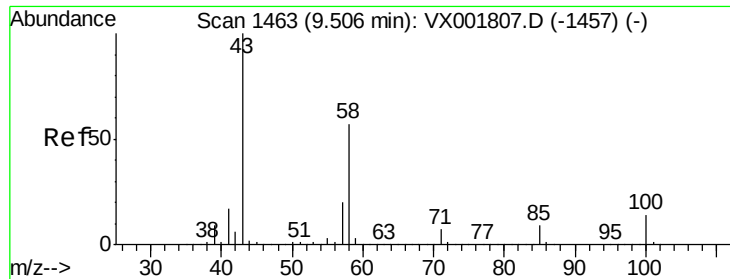
MMDadoda
5/21/2018 2:40:33 PM



#58
4-Methyl-2-Pentanone
Concen: 132.43 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	521755		
58	39.1	31.3	46.9	
85	18.1	14.5	21.7	





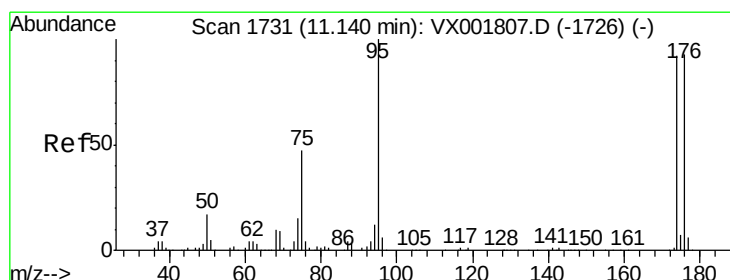
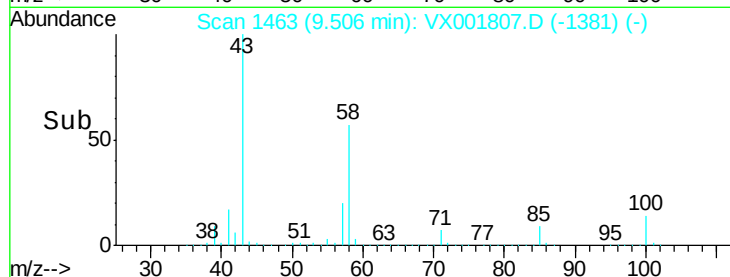
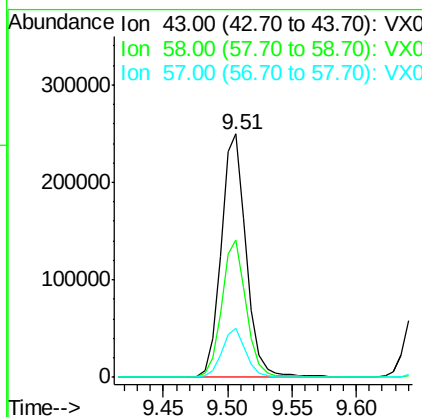
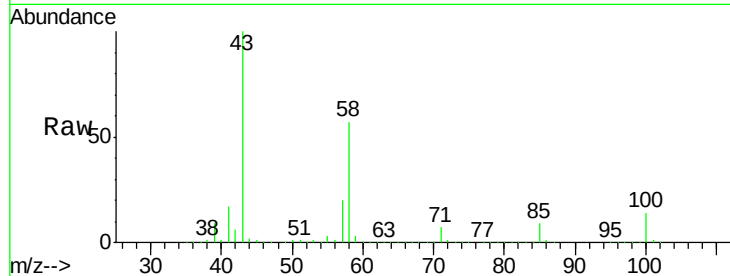
#59
2-Hexanone
Concen: 119.36 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.6	66.8
57	19.4	15.5	23.3

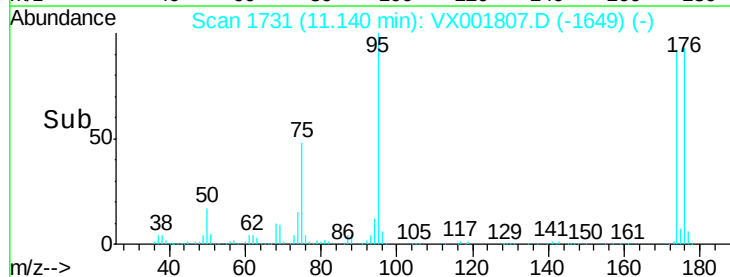
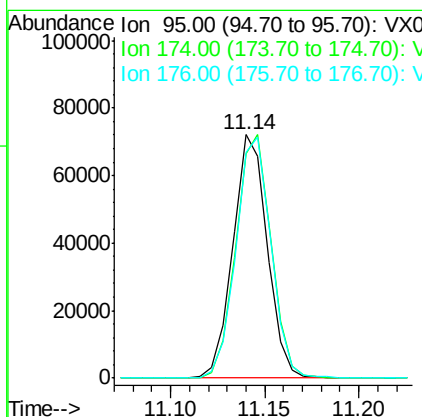
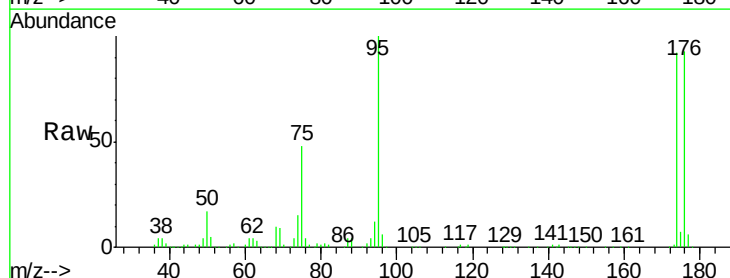
Manual Integrations
APPROVED

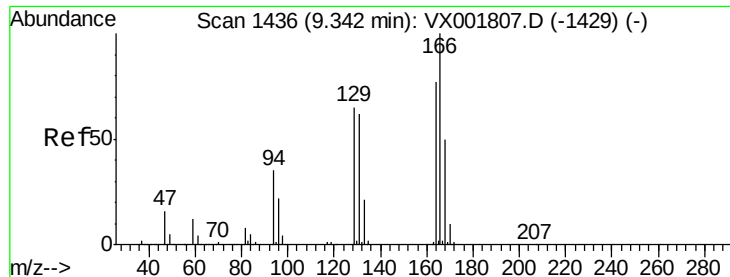
MMDadoda
5/21/2018 2:40:33 PM



#60
4-Bromofluorobenzene
Concen: 28.45 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.5	82.0	123.0
176	100.7	80.6	120.8





#61

Tetrachloroethene

Concen: 20.38 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 59626

Ion Ratio Lower Upper

164 100

166 130.1 104.1 156.1

129 84.8 67.8 101.8

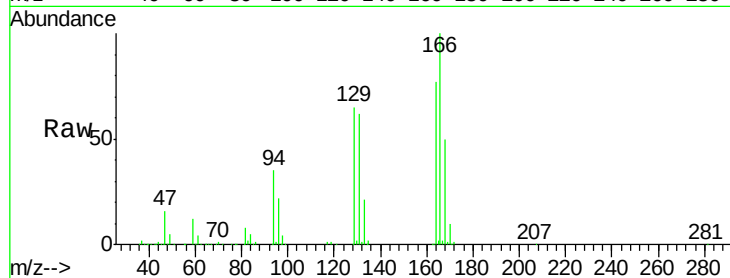
131 80.8 64.6 97.0

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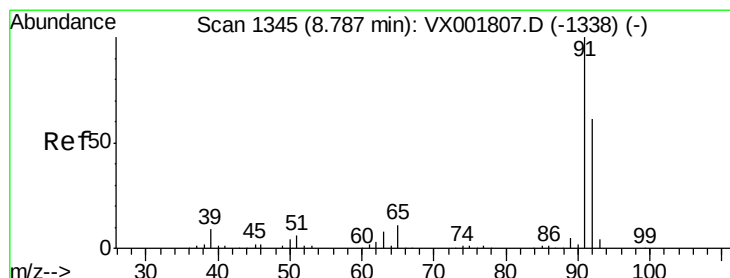
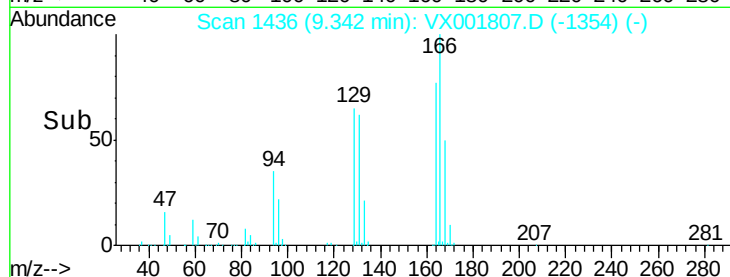
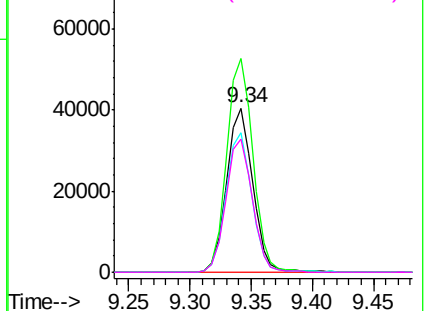


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.99 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001807.D

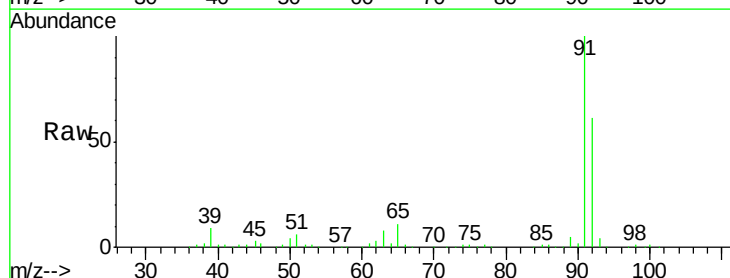
Acq: 18 May 2018 04:41

Tgt Ion: 91 Resp: 231115

Ion Ratio Lower Upper

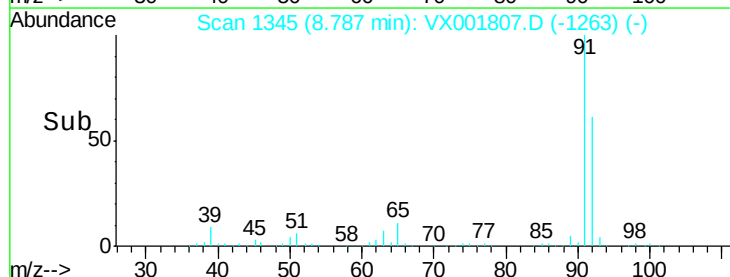
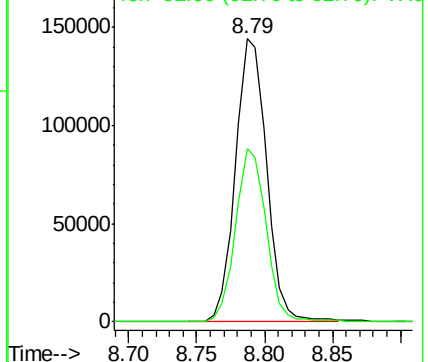
91 100

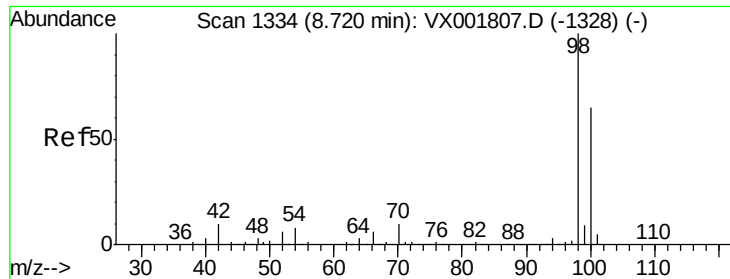
92 59.7 47.8 71.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





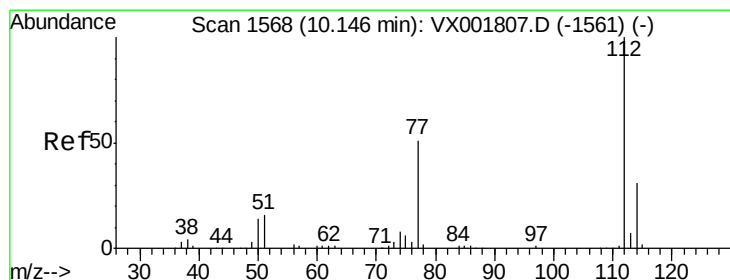
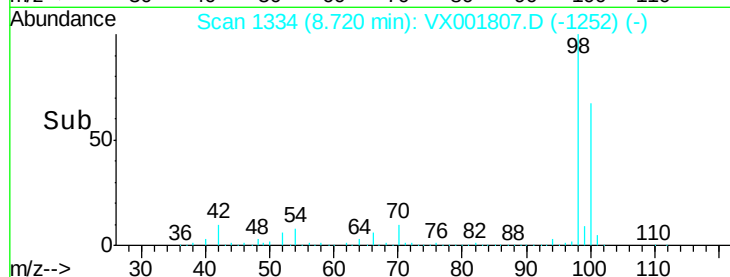
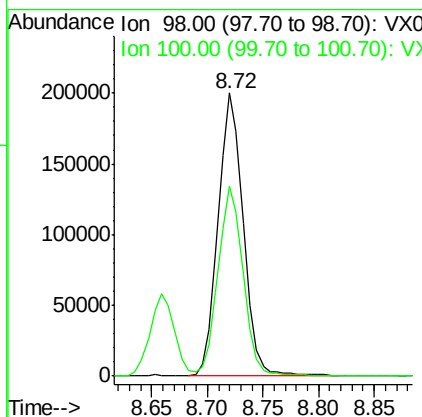
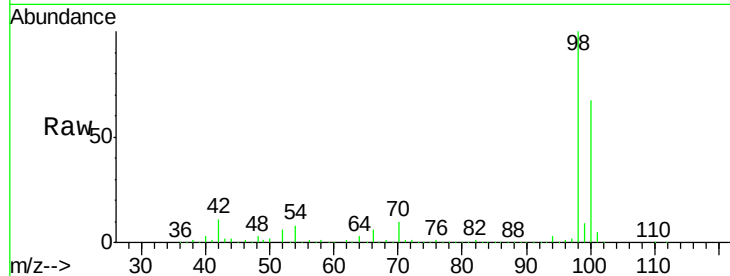
#63
Toluene-d8
Concen: 33.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 312417
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

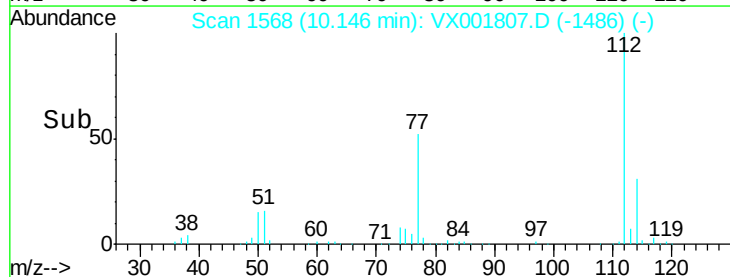
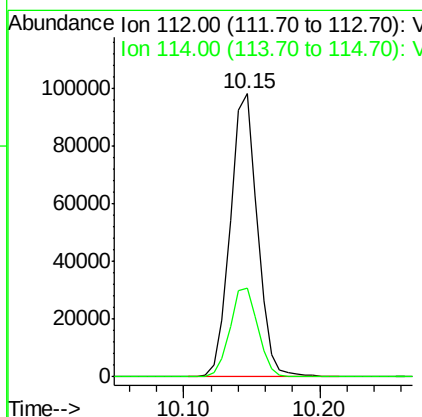
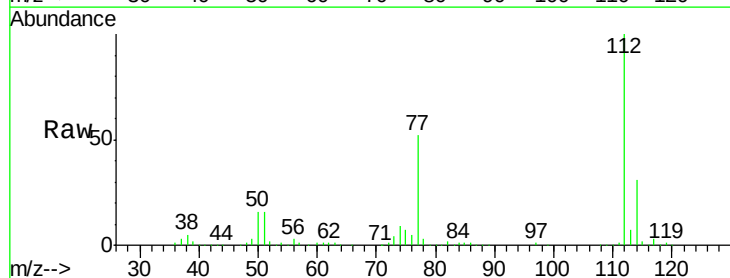
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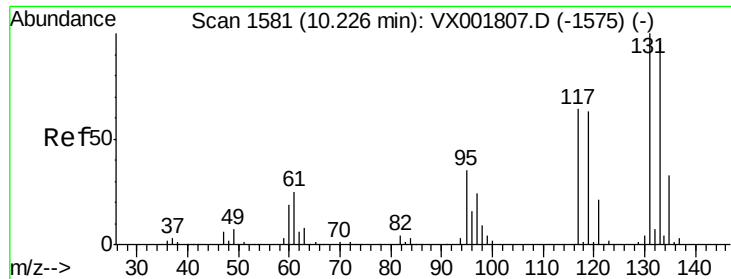
MMDadoda
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#64
Chlorobenzene
Concen: 21.21 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion: 112 Resp: 136574
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 22.52 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 55986

Ion Ratio Lower Upper

131 100

133 96.1 0.0 192.2

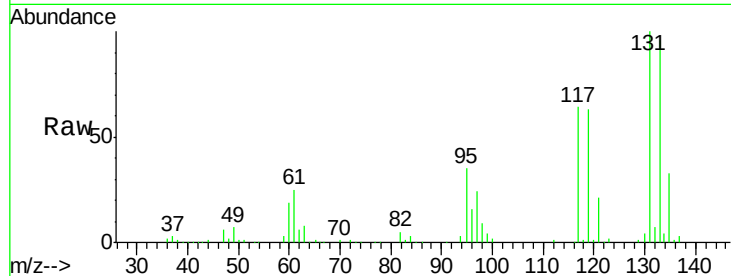
119 62.7 0.0 125.4

Manual Integrations

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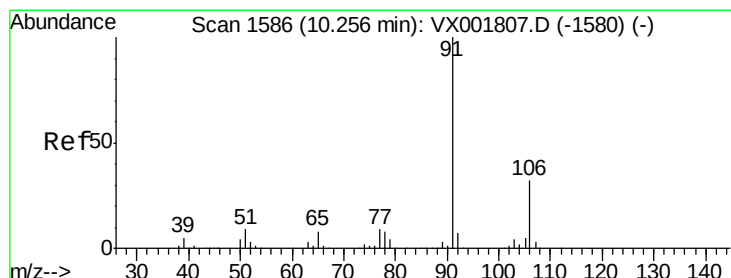
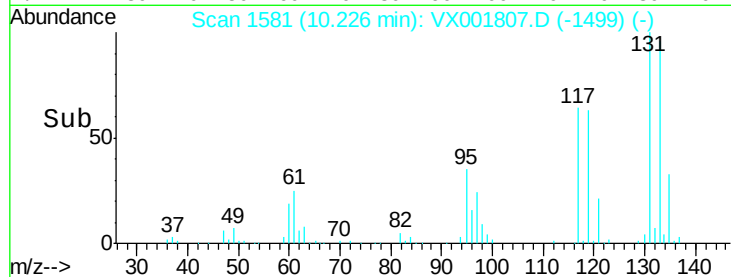
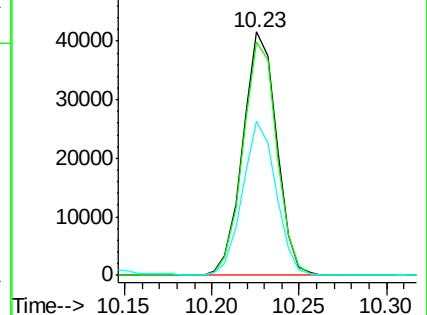
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.55 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001807.D

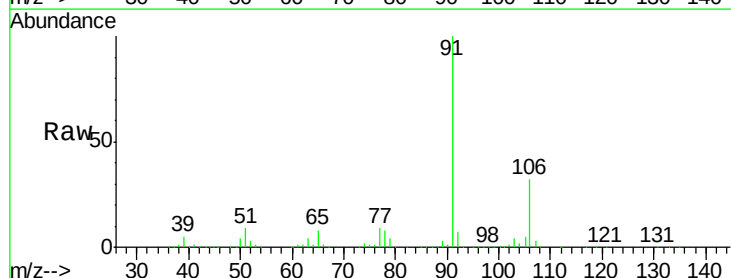
Acq: 18 May 2018 04:41

Tgt Ion: 91 Resp: 195231

Ion Ratio Lower Upper

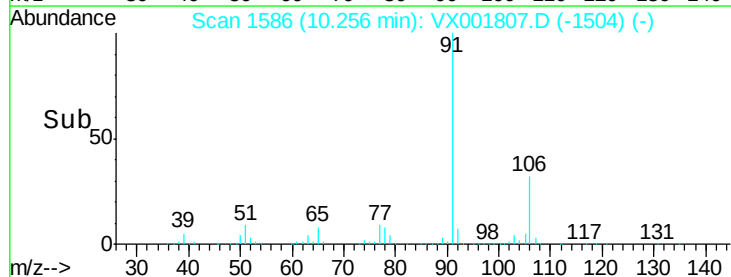
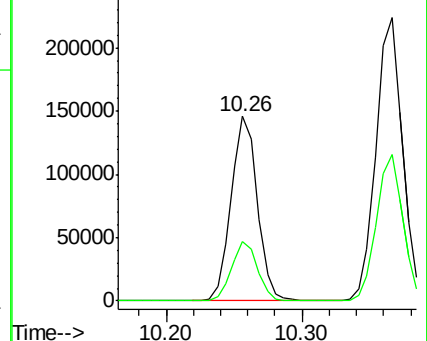
91 100

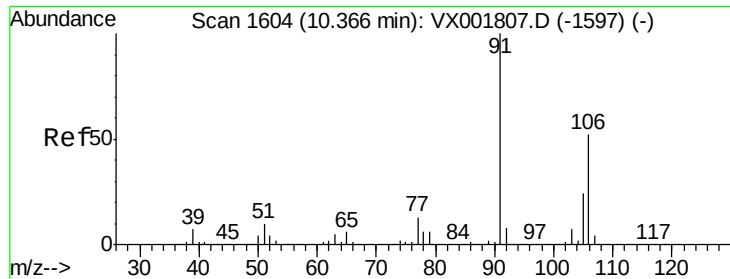
106 32.2 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.35 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion:106 Resp: 156667

Ion Ratio Lower Upper

106 100

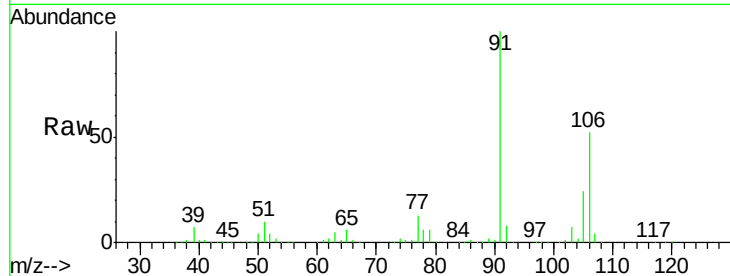
91 193.4 154.7 232.1

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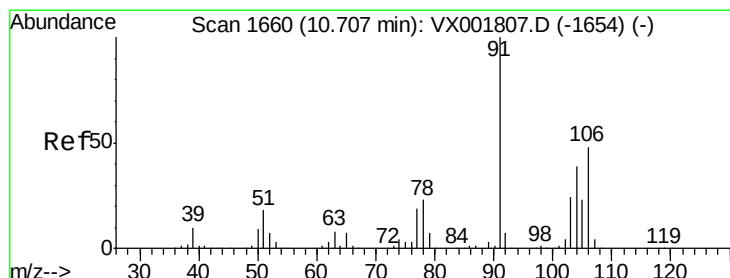
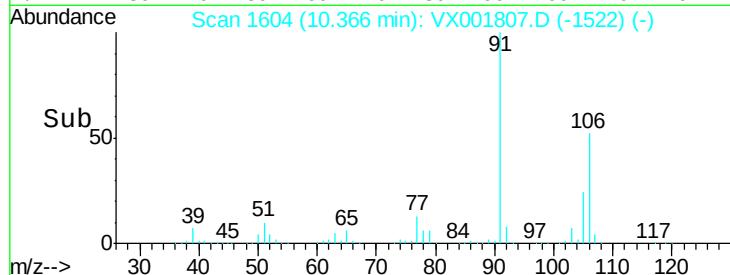
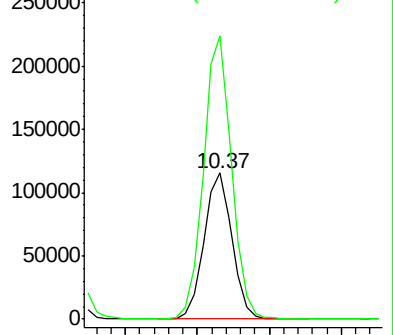
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.05 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX001807.D

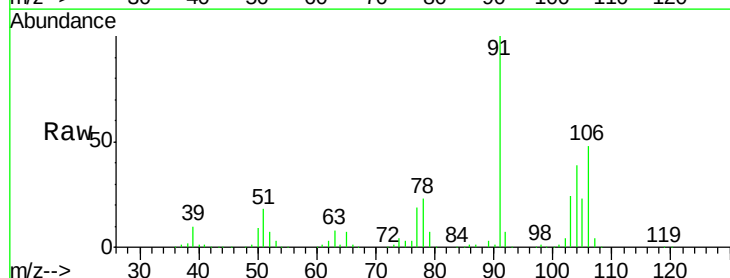
Acq: 18 May 2018 04:41

Tgt Ion:106 Resp: 79717

Ion Ratio Lower Upper

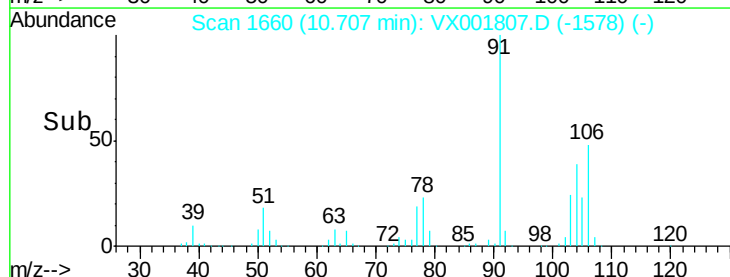
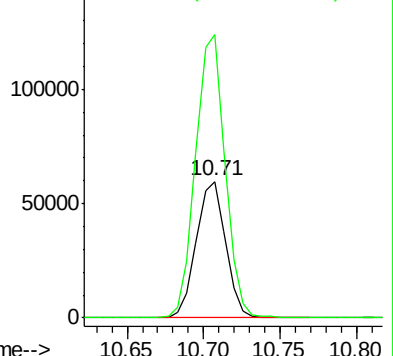
106 100

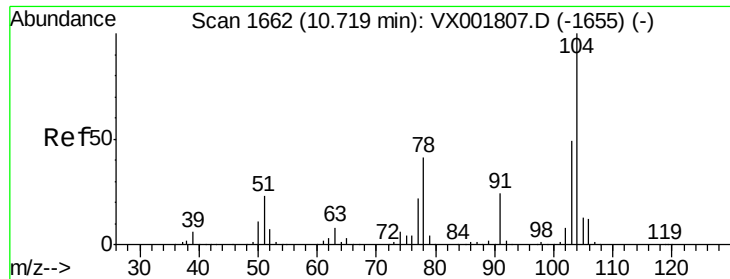
91 208.5 104.3 312.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





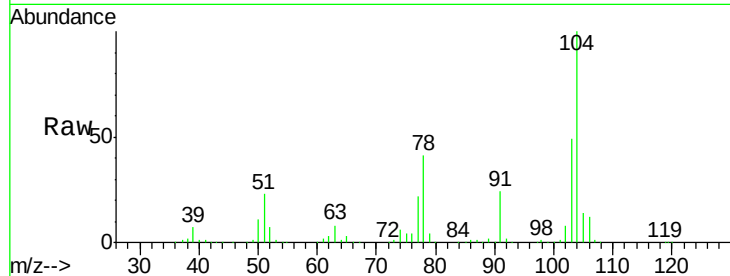
#69
Stvrene
Concen: 20.54 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

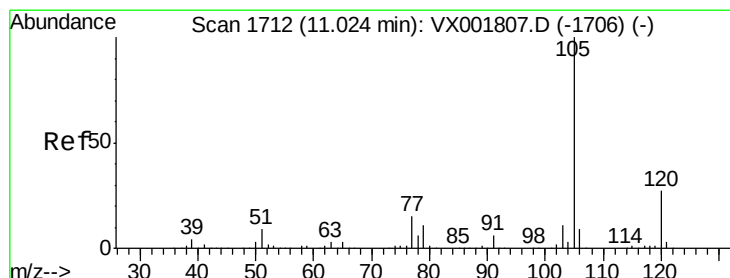
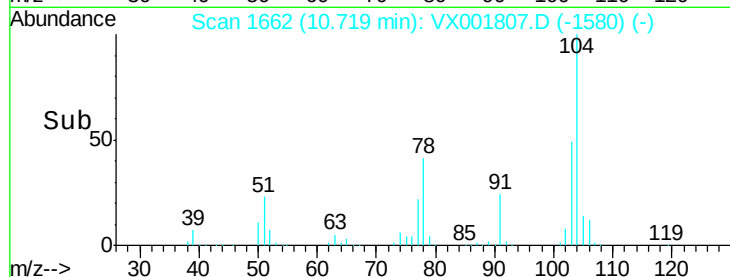
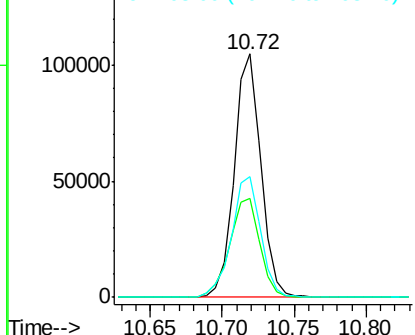
Tot Ion	Ratio	Resp	Lower	Upper
104	100	135635		
78	46.3		37.0	55.6
103	54.4		43.5	65.3

Manual Integrations
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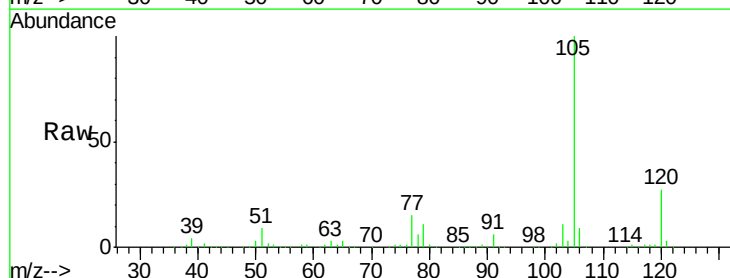


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

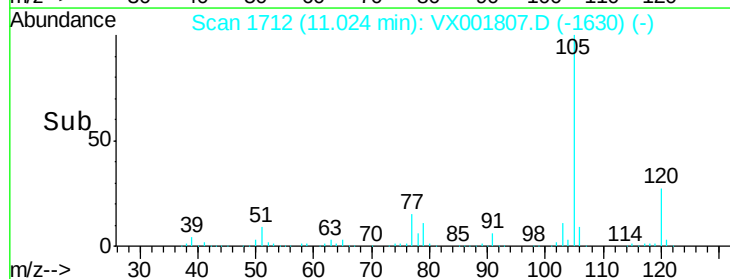
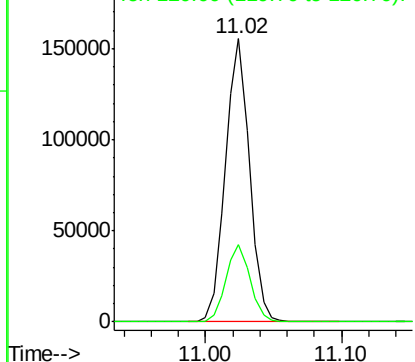


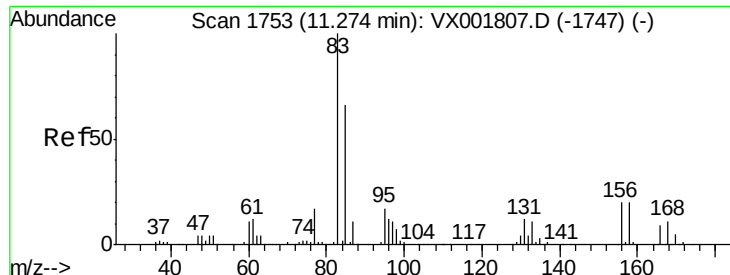
#70
Isopropylbenzene
Concen: 18.97 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190383		
120	27.6		19.3	35.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 23.45 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

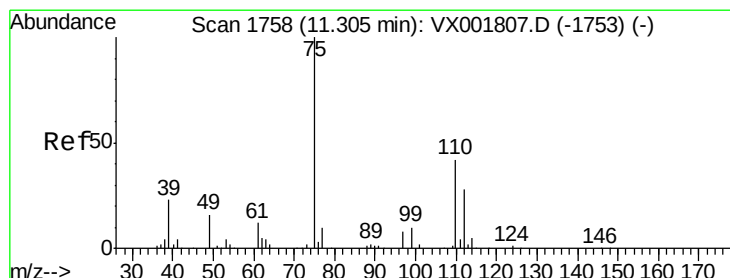
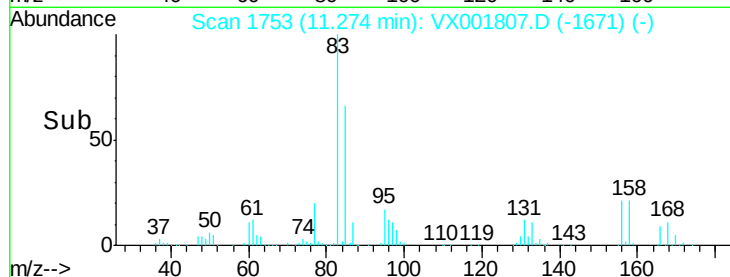
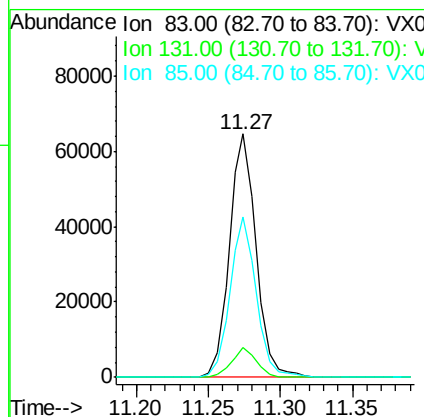
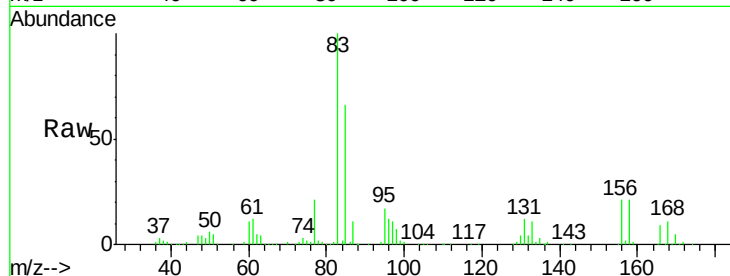
ClientSampled :

VSTDICCC020

Tot Ion:	83	Resp:	84368
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.3
85	64.6	32.3	96.9

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#72

1,2,3-Trichloropropane

Concen: 23.72 ug/l m

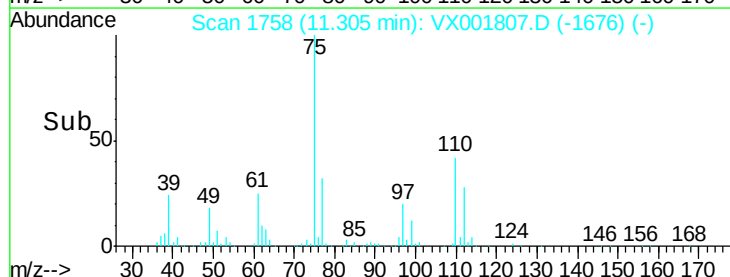
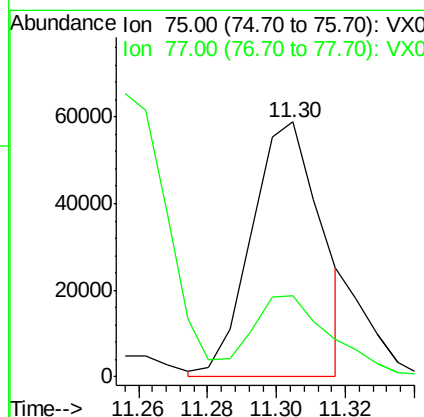
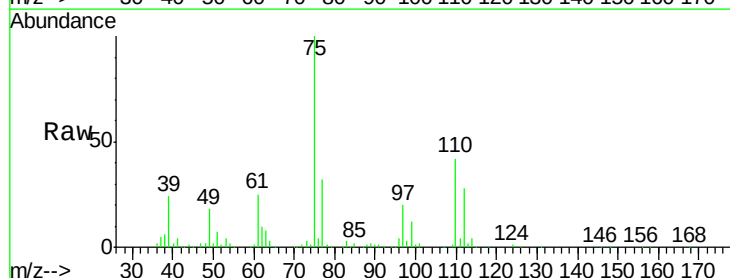
RT: 11.30 min Scan# 1758

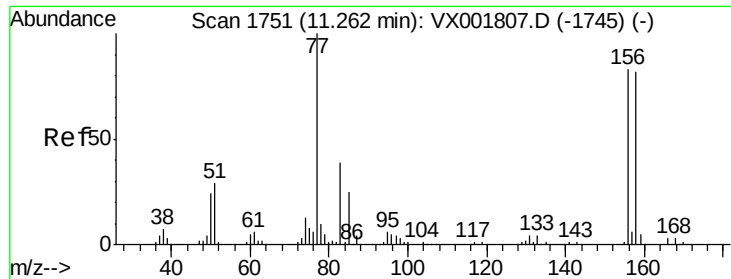
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion:	75	Resp:	82674
Ion	Ratio	Lower	Upper
75	100		
77	37.3	0.0	74.6





#73

Bromobenzene

Concen: 20.88 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

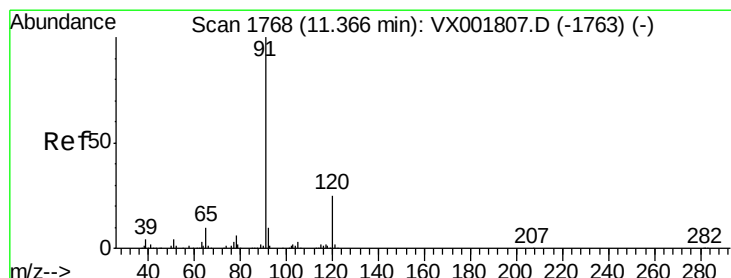
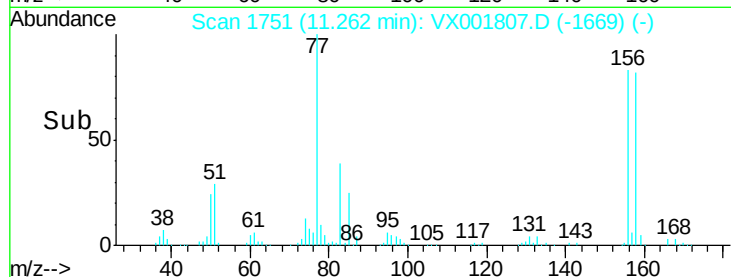
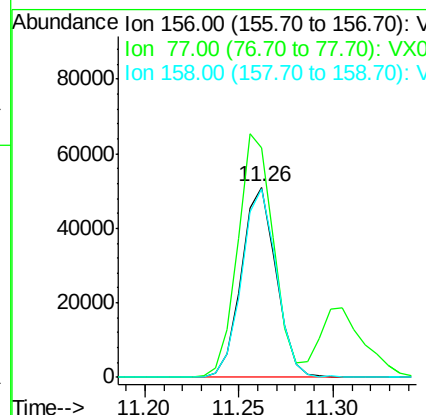
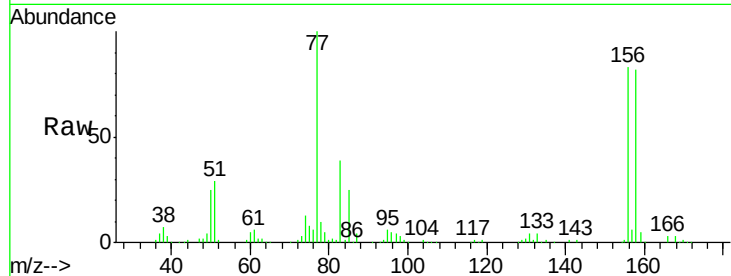
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.9	0.0	261.8
158	99.1	0.0	198.2

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#74

n-propylbenzene

Concen: 18.26 ug/l

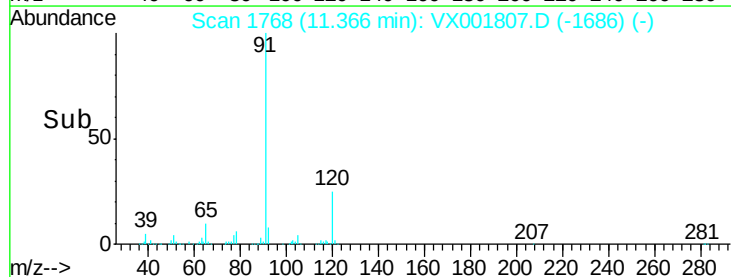
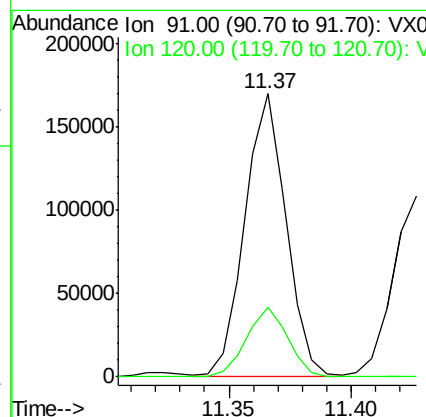
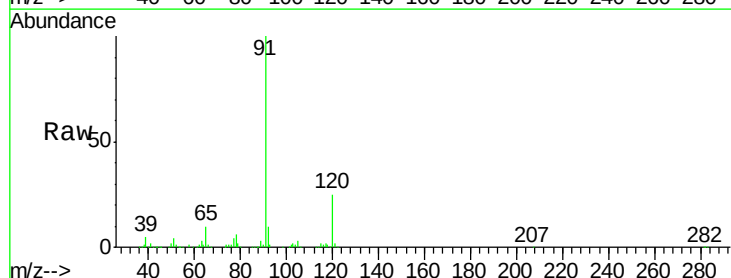
RT: 11.37 min Scan# 1768

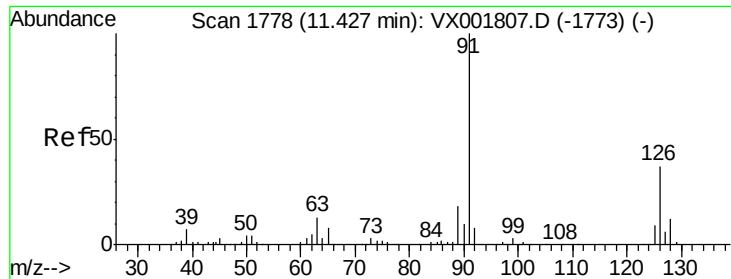
Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	0.0	49.2





#75

2-Chlorotoluene

Concen: 19.47 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 135862

Ion Ratio Lower Upper

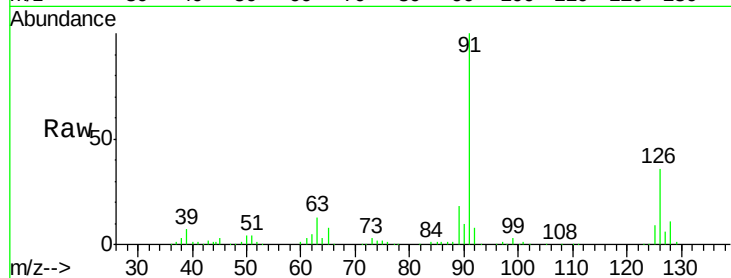
91 100

126 36.0 0.0 72.0

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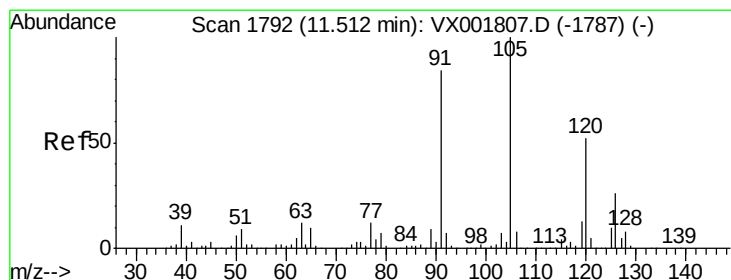
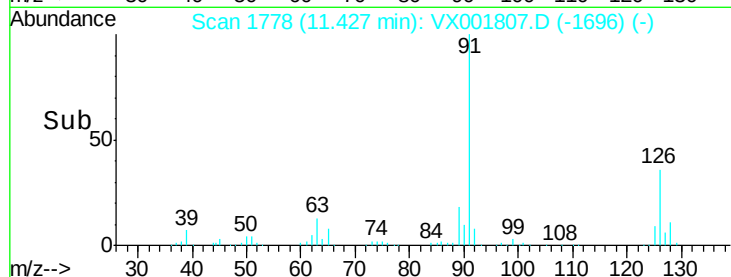
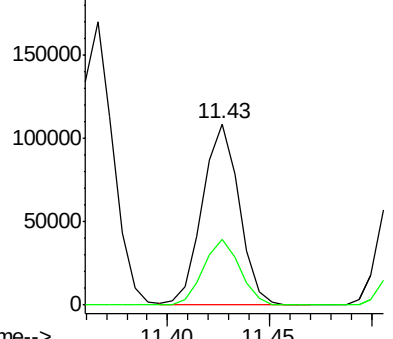
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX001807.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001807.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001807.D

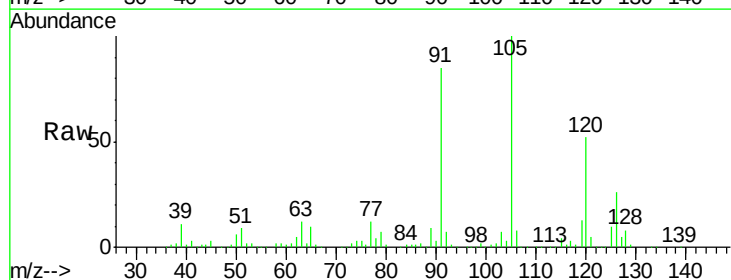
Acq: 18 May 2018 04:41

Tgt Ion: 105 Resp: 158077

Ion Ratio Lower Upper

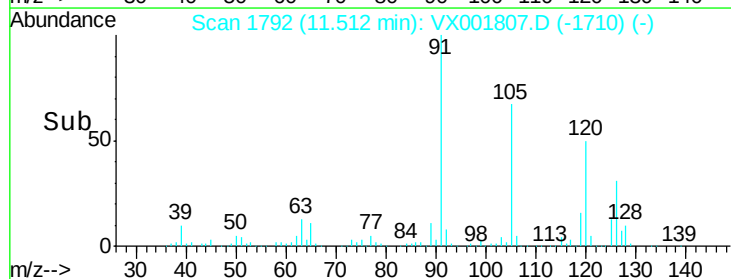
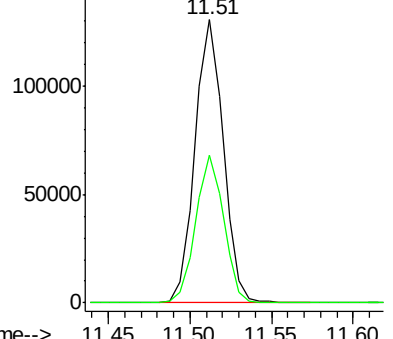
105 100

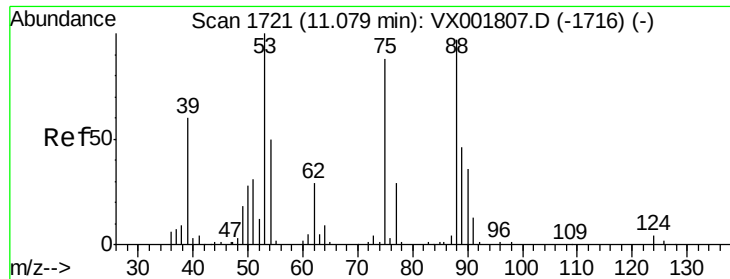
120 51.5 0.0 103.0



Abundance Ion 105.00 (104.70 to 105.70): VX001807.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001807.D (-1787) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.26 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001807.D

Acq: 18 May 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 16747

Ion Ratio Lower Upper

75 100

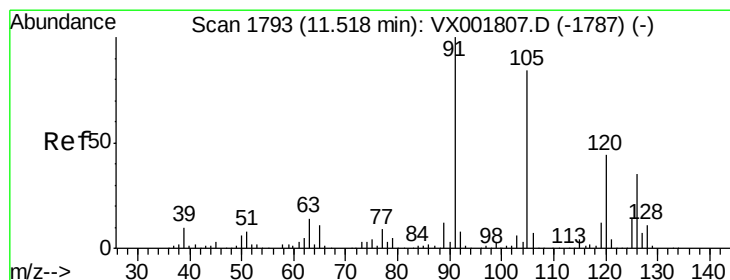
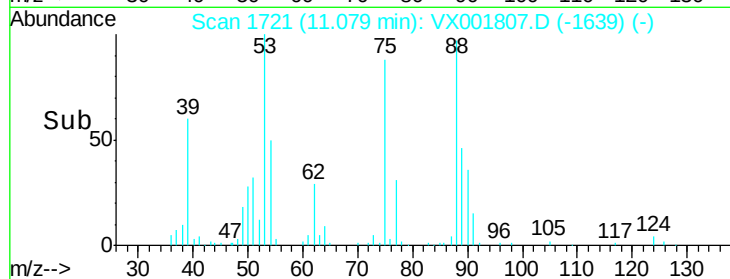
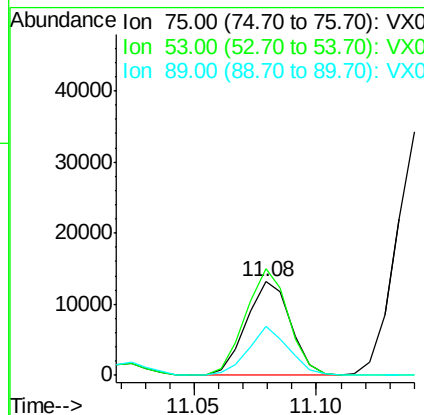
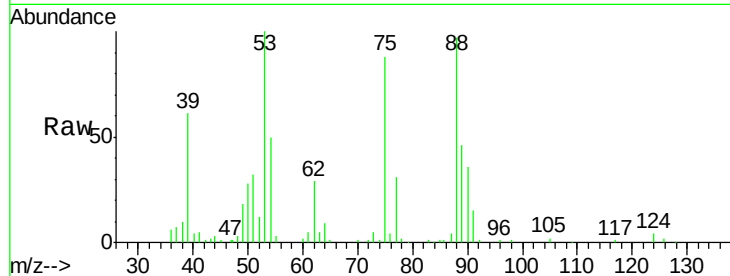
53 113.9 57.0 170.8

89 52.6 26.3 78.9

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#78

4-Chlorotoluene

Concen: 18.96 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001807.D

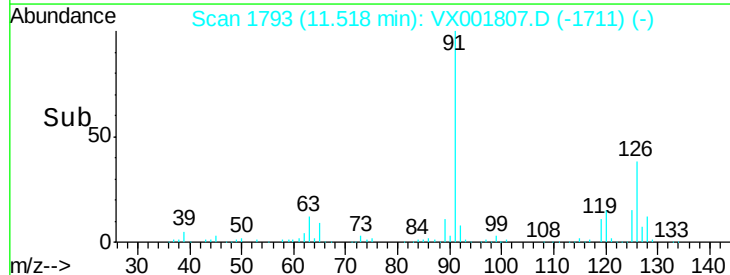
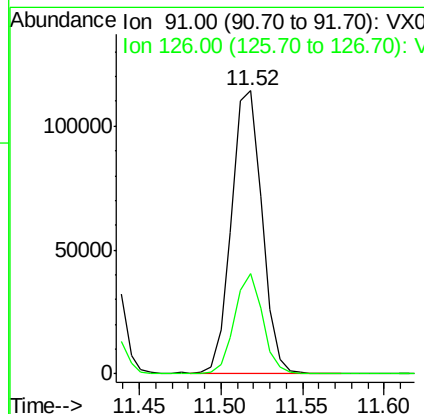
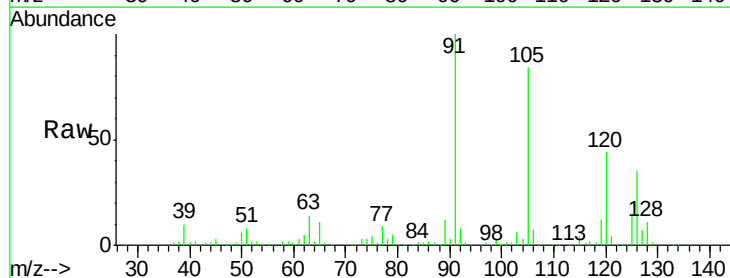
Acq: 18 May 2018 04:41

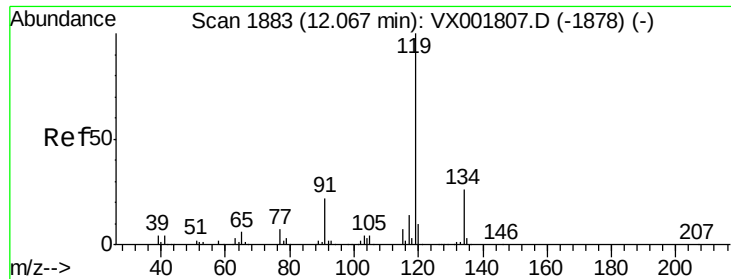
Tgt Ion: 91 Resp: 149779

Ion Ratio Lower Upper

91 100

126 32.4 0.0 64.8





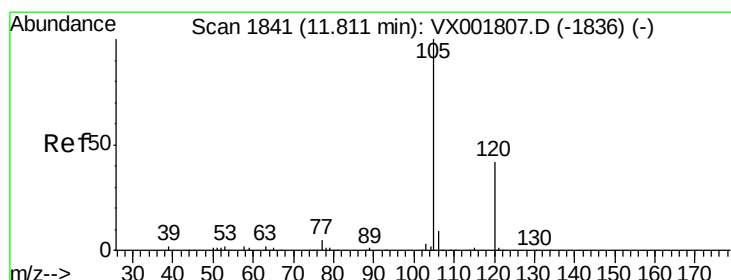
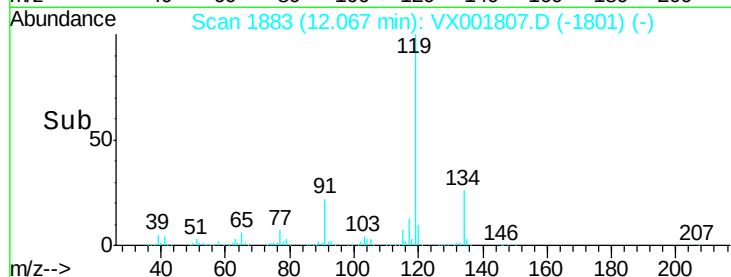
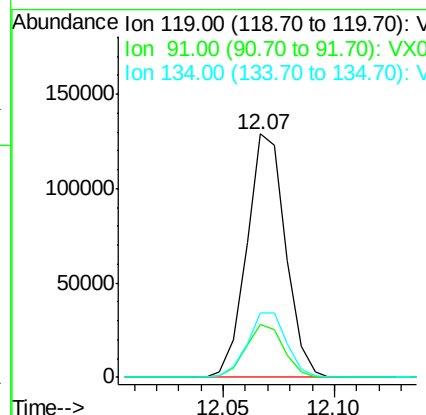
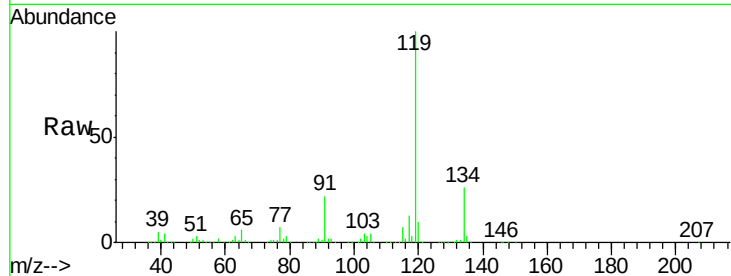
#79
tert-butylbenzene
Concen: 17.72 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156020		
91	21.6	0.0	43.2	
134	27.3	0.0	54.6	

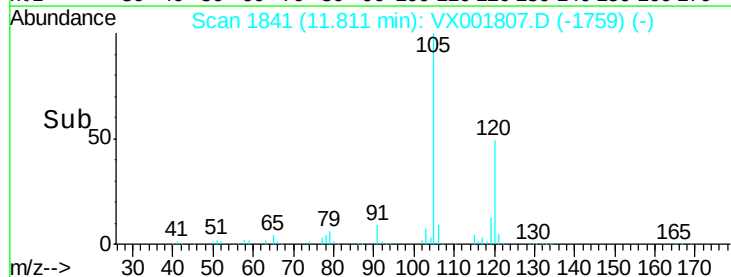
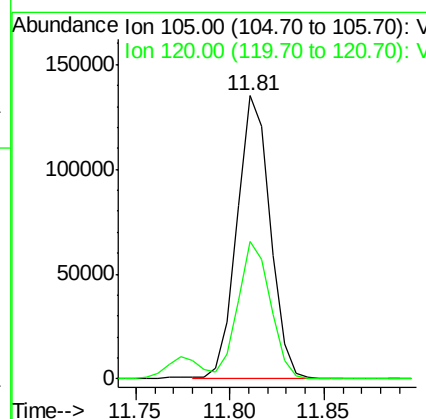
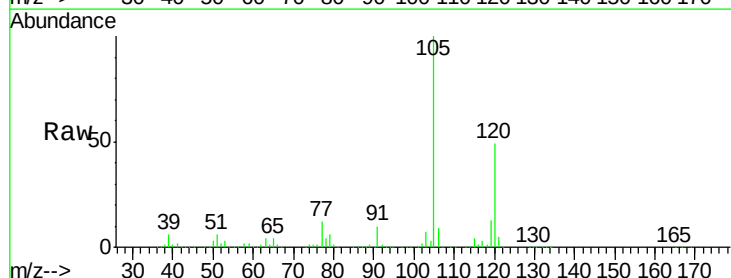
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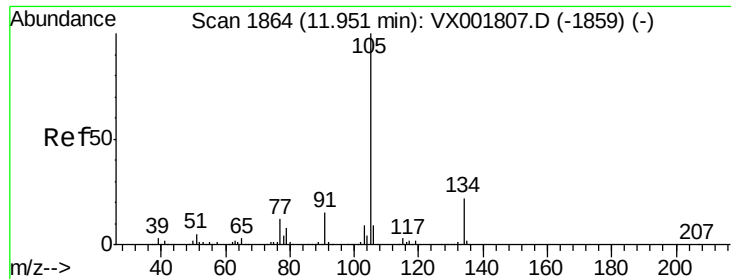
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.13 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165220		
120	47.3	0.0	94.6	





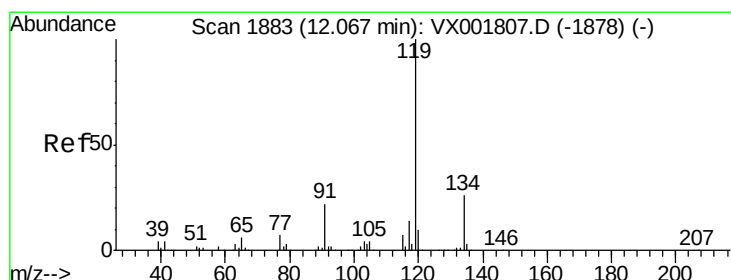
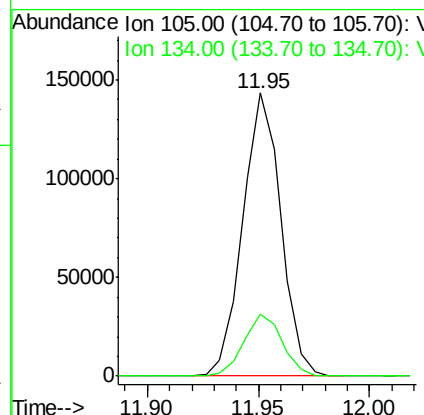
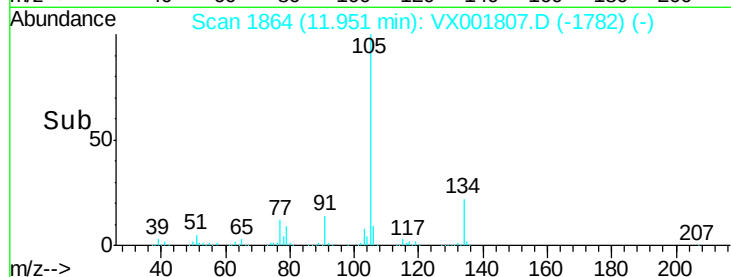
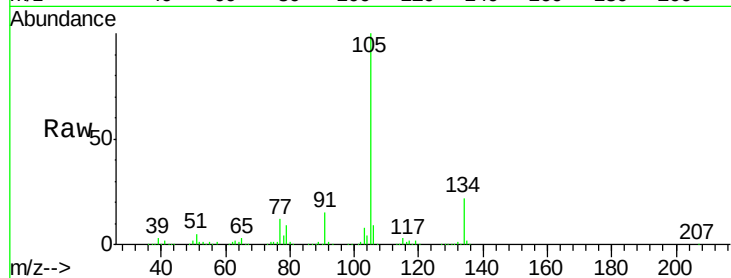
#81
 sec-Butylbenzene
 Concen: 17.76 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.0	0.0	44.0

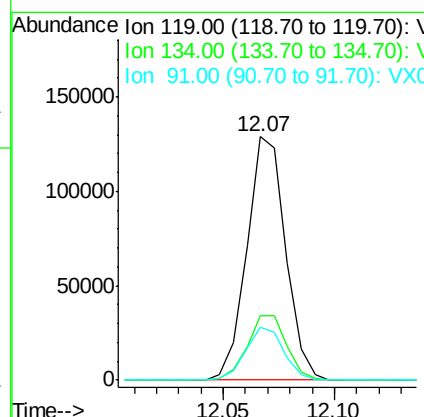
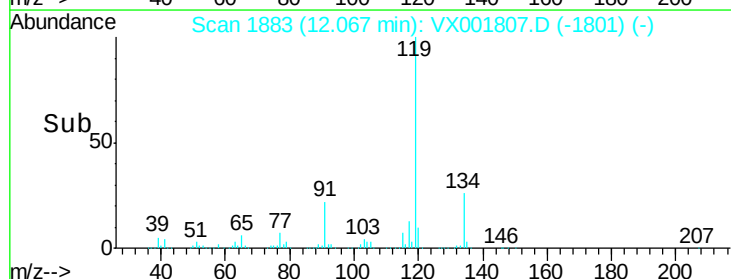
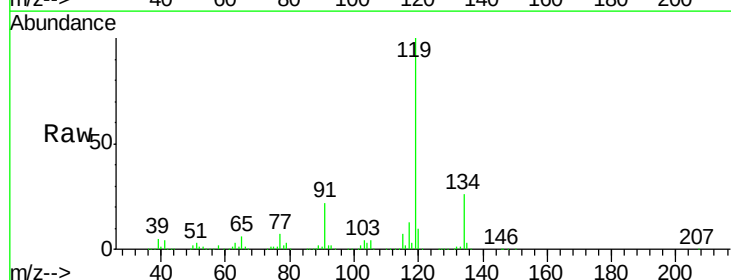
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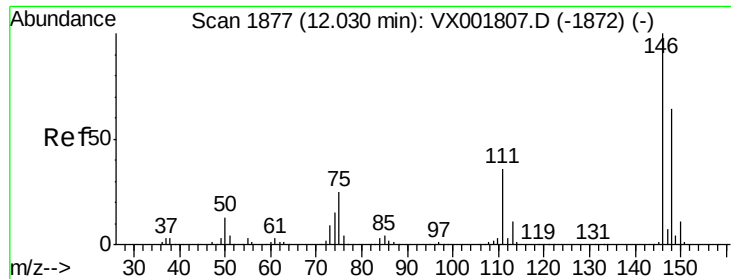
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 17.72 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	54.6
91	21.6	0.0	43.2





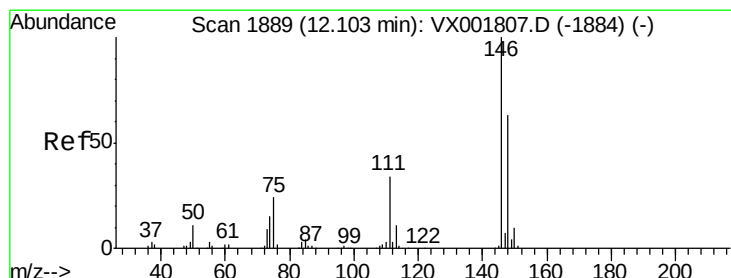
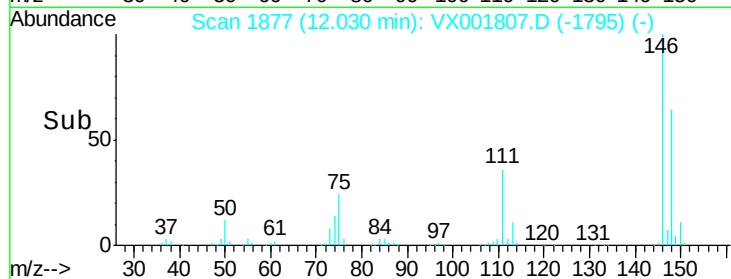
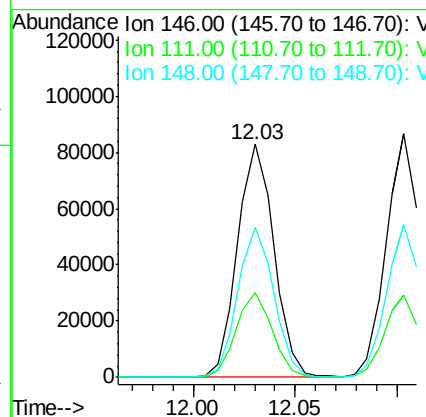
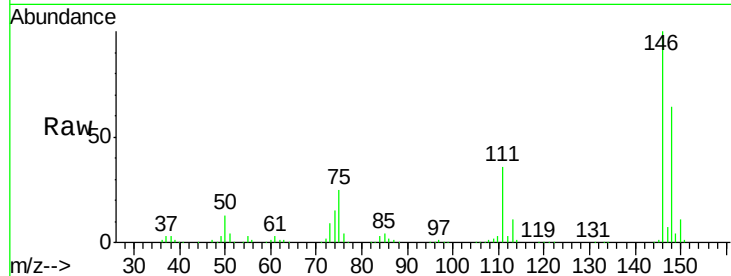
#83
 1,3-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.9	31.9	95.9

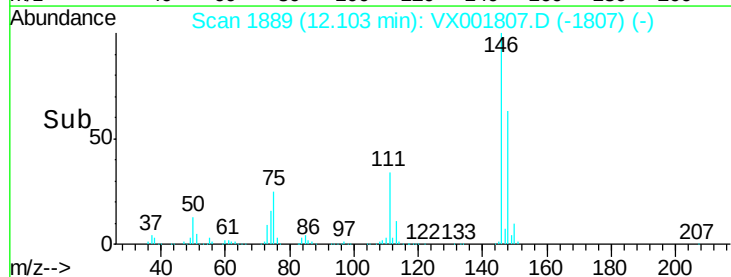
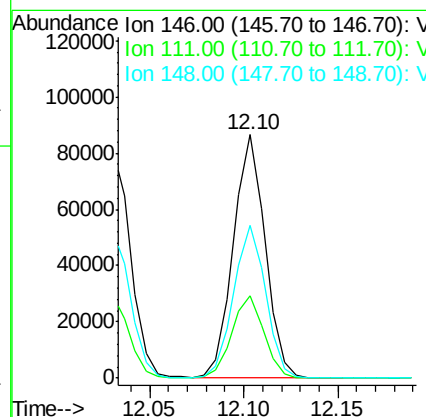
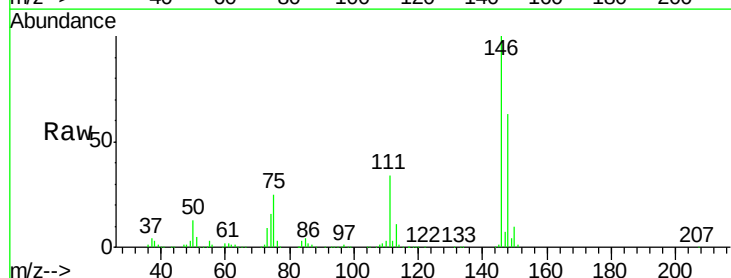
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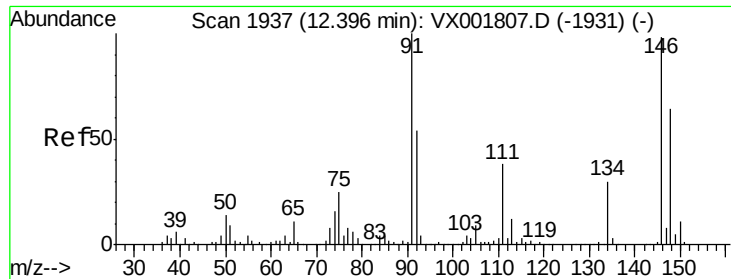
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#84
 1,4-Dichlorobenzene
 Concen: 18.97 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	17.1	51.2
148	63.5	31.8	95.3





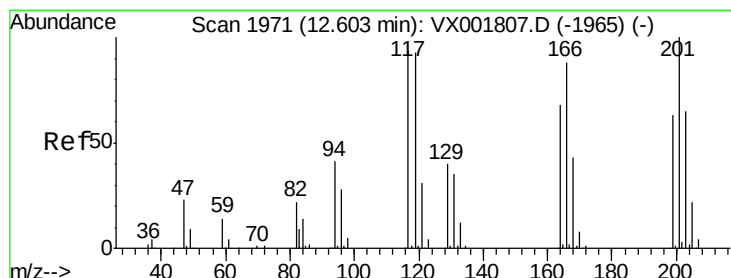
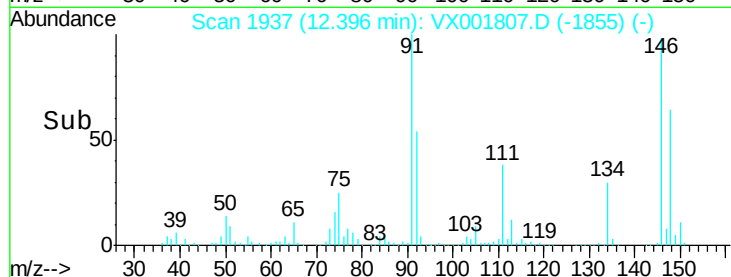
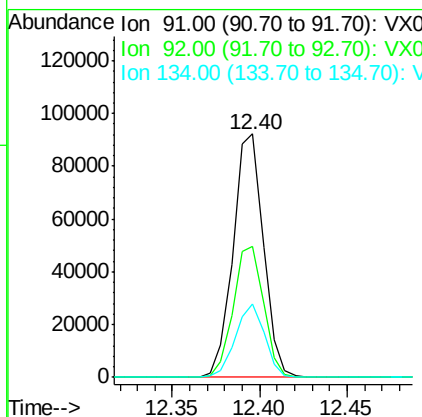
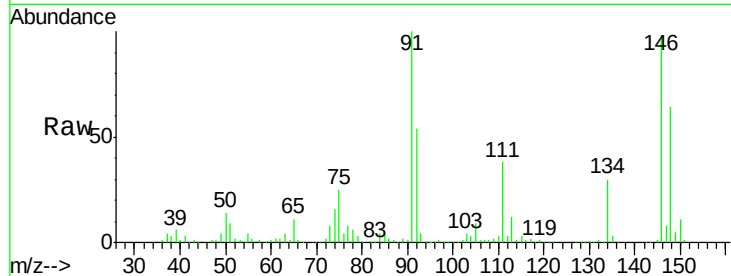
#85
n-Butylbenzene
Concen: 16.04 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	111287		
92	54.1	0.0	108.2	
134	28.9	0.0	57.8	

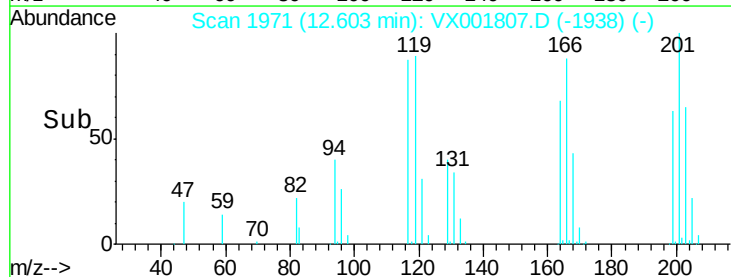
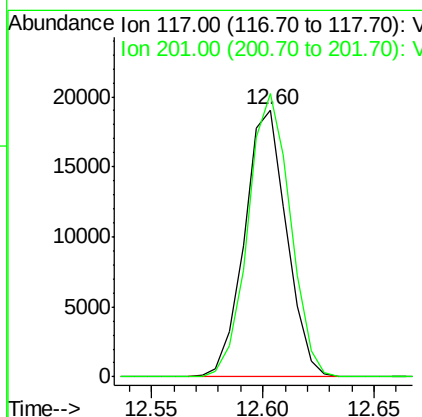
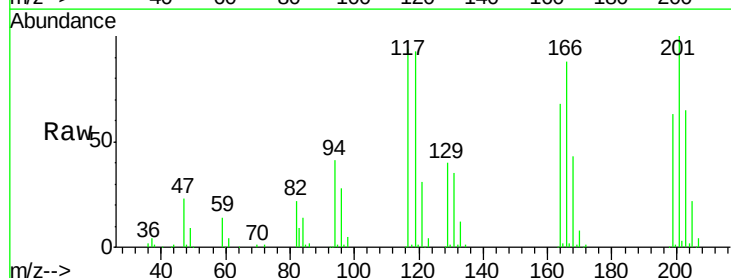
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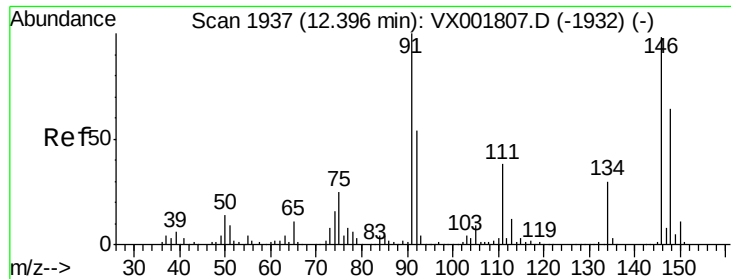
MMDadoda
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#86
Hexachloroethane
Concen: 17.73 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25142		
201	106.0	53.0	159.0	





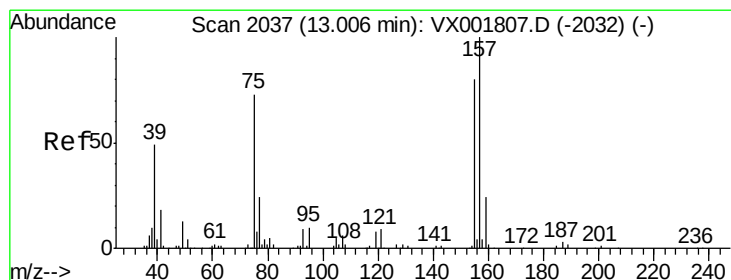
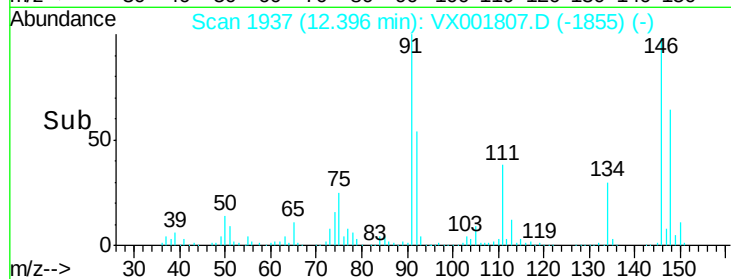
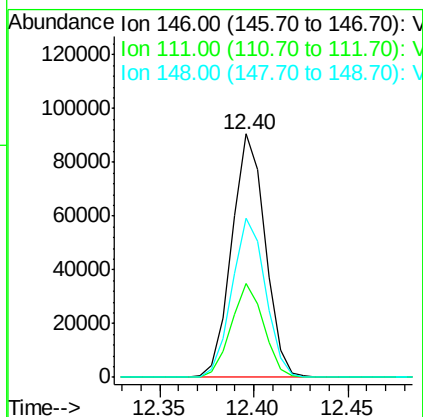
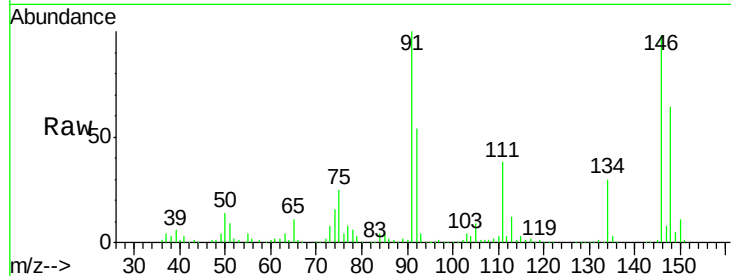
#87
 1,2-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	65.8	32.9	98.7

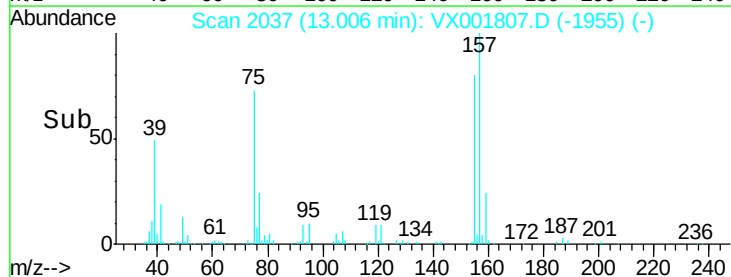
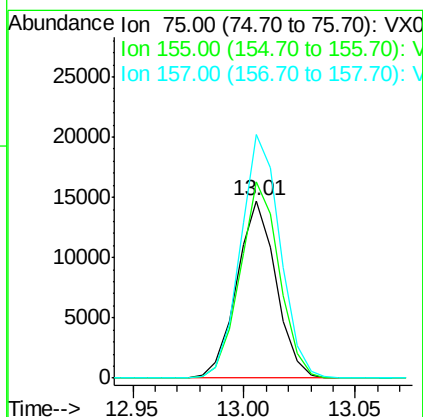
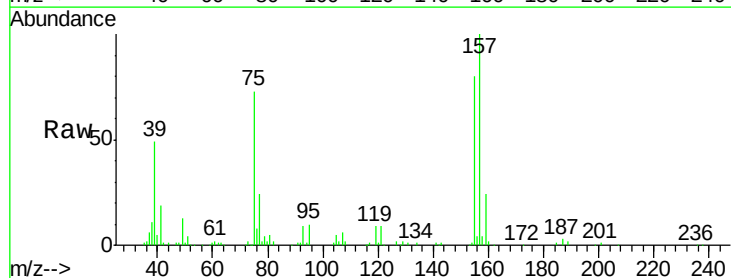
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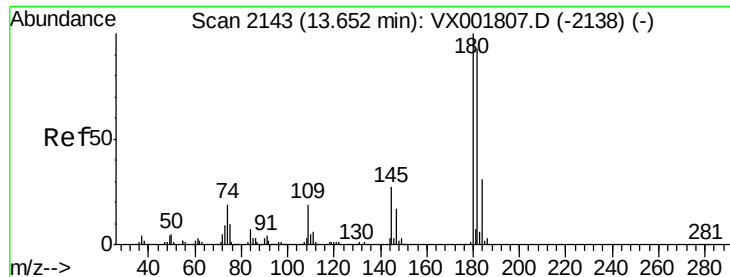
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.6	88.5	132.7
157	138.7	111.0	166.4





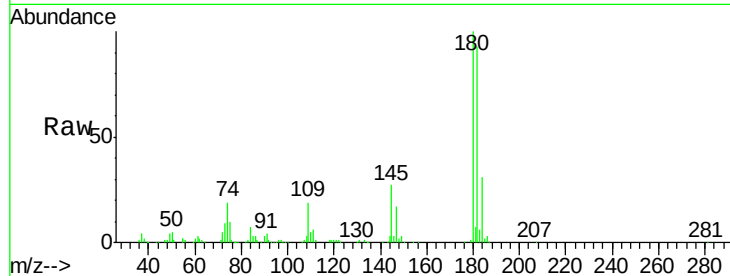
#89
 1,2,4-Trichlorobenzene
 Concen: 17.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	27.0	21.6	32.4

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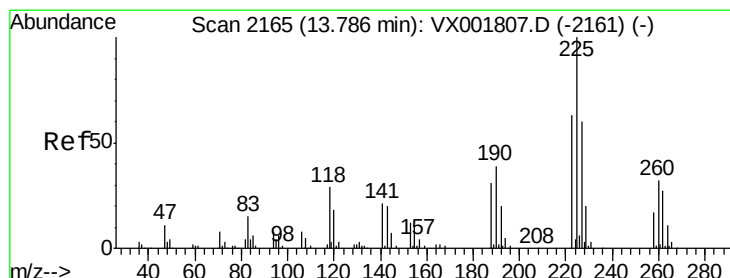
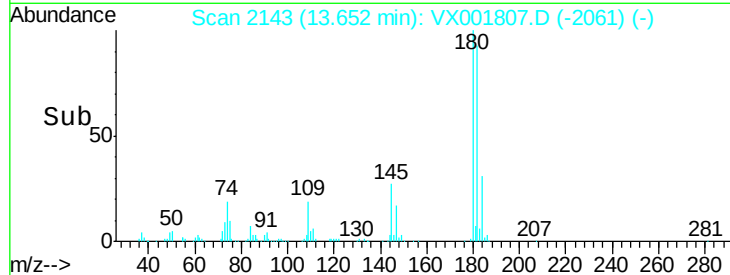
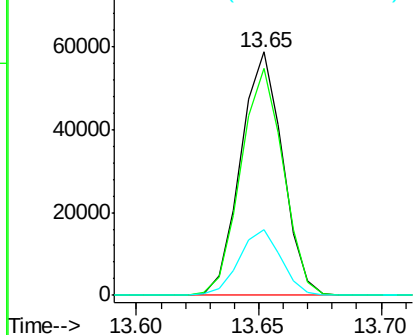


Abundance

Ion 180.00 (179.70 to 180.70): V

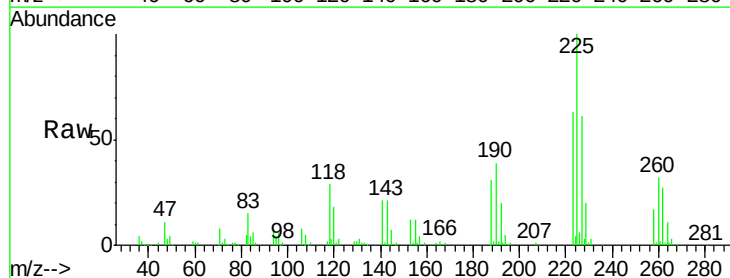
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 17.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001807.D
 Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	123.6
227	62.0	0.0	124.0

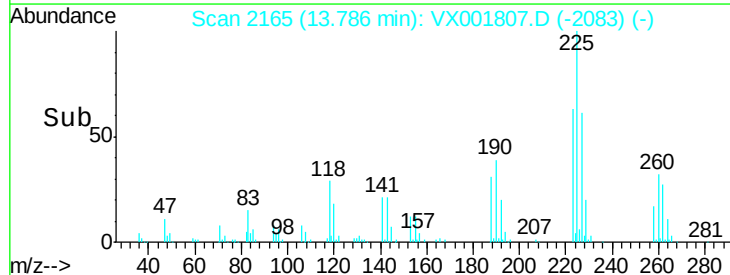
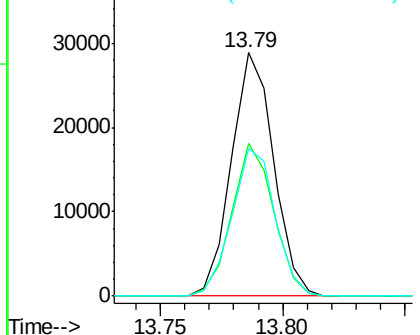


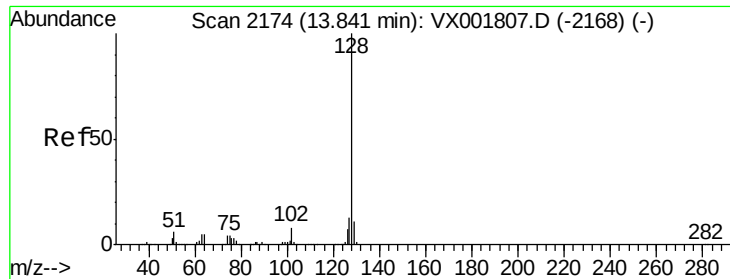
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





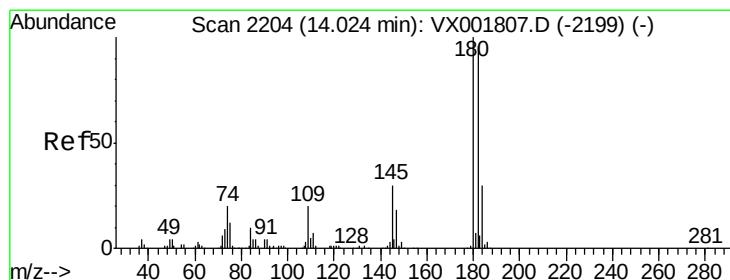
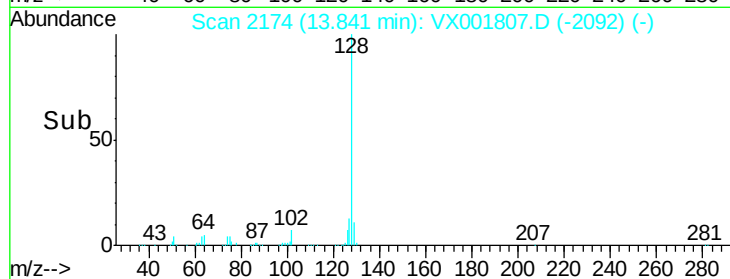
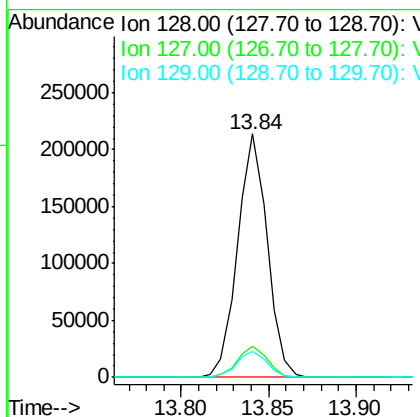
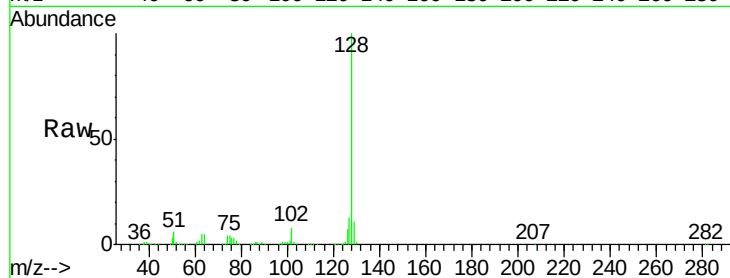
#91
Naphthalene
Concen: 20.78 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 19.19 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001807.D
Acq: 18 May 2018 04:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	0.0	188.8
145	28.3	0.0	56.6

