

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000922.D
 Acq On : 16 Apr 2018 16:41
 Operator : JC/MD
 Sample : VX0416MBS01
 Misc : 5.00uL/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Manual Integrations
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 4/18/2018 2:45:07 PM

Quant Time: Apr 16 17:34:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321732	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	154613	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	5.51	113	126304	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.72	98	467102	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.15	95	190509	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53031	19.60	ug/l	99
3) Chloromethane	1.32	50	48181	20.76	ug/l	98
4) Vinyl Chloride	1.40	62	53629	20.55	ug/l	95
5) Bromomethane	1.65	94	35039	31.94	ug/l	98
6) Chloroethane	1.73	64	34611	21.88	ug/l	99
7) Trichlorofluoromethane	1.93	101	81332	20.65	ug/l	99
8) Diethyl Ether	2.19	74	32289	21.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48140	20.73	ug/l	99
10) Methyl Iodide	2.51	142	29369	21.81	ug/l	100
11) Tert butyl alcohol	3.07	59	53825	100.29	ug/l	99
12) 1,1-Dichloroethene	2.38	96	46100	20.95	ug/l	99
13) Acrolein	2.30	56	28538	109.50	ug/l	97
14) Allyl chloride	2.73	41	83614	20.55	ug/l	99
15) Acrylonitrile	3.15	53	135442	118.37	ug/l	100
16) Acetone	2.45	43	114841	110.17	ug/l	99
17) Carbon Disulfide	2.57	76	108735	16.32	ug/l	99
18) Methyl Acetate	2.78	43	68780	25.50	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	163310	22.28	ug/l	100
20) Methylene Chloride	2.86	84	51307	21.16	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	48633	20.04	ug/l	97
22) Diisopropyl ether	3.88	45	170298	22.78	ug/l	98
23) Vinyl Acetate	3.83	43	733100	111.67	ug/l	98
24) 1,1-Dichloroethane	3.70	63	93246	22.22	ug/l	98
25) 2-Butanone	4.71	43	194509	112.99	ug/l	99
26) 2,2-Dichloropropane	4.59	77	78410	18.83	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59305	21.54	ug/l	99
28) Bromochloromethane	5.03	49	34685	20.53	ug/l	97
29) Tetrahydrofuran	5.18	42	123860	113.32	ug/l	100
30) Chloroform	5.23	83	97041	21.84	ug/l	100
31) Cyclohexane	5.59	56	79177	19.87	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	87770	20.74	ug/l	99
36) 1,1-Dichloropropene	5.81	75	71537	20.19	ug/l	100
37) Ethyl Acetate	4.87	43	76274	22.05	ug/l	100
38) Carbon Tetrachloride	5.79	117	75933	19.15	ug/l	93

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Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Apr 16 17:34:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	82011	19.27	ug/l	99
40) Benzene	6.15	78	210340	21.36	ug/l	100
41) Methacrylonitrile	5.07	41	44904	22.47	ug/l	99
42) 1,2-Dichloroethane	6.21	62	80080	21.78	ug/l	100
43) Isopropyl Acetate	6.48	43	126555	21.34	ug/l	100
44) Trichloroethene	7.22	130	64811	21.17	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54659	21.80	ug/l	96
46) Dibromomethane	7.67	93	37796	21.62	ug/l	97
47) Bromodichloromethane	7.91	83	70499	19.98	ug/l	98
48) Methyl methacrylate	7.79	41	66709	21.70	ug/l	99
49) 1,4-Dioxane	7.76	88	22386	362.38	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	398204	114.31	ug/l	100
52) Toluene	8.79	92	139122	21.30	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	85333	20.17	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	80902	19.63	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	56662	21.85	ug/l	100
56) Ethyl methacrylate	9.19	69	85471	21.37	ug/l	99
57) 1,3-Dichloropropane	9.38	76	93836	22.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	218991	117.18	ug/l	99
59) 2-Hexanone	9.51	43	302124	112.34	ug/l	100
60) Dibromochloromethane	9.59	129	59390	19.14	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60046	21.83	ug/l	100
64) Tetrachloroethene	9.34	164	65355	21.60	ug/l	99
65) Chlorobenzene	10.15	112	165491	21.25	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	58672	20.02	ug/l	99
67) Ethyl Benzene	10.26	91	271899	20.95	ug/l	100
68) m/p-Xylenes	10.37	106	214260	41.82	ug/l	100
69) o-Xylene	10.71	106	102840	20.82	ug/l	97
70) Styrene	10.72	104	174441	20.95	ug/l	100
71) Bromoform	10.87	173	47092	17.36	ug/l #	99
73) Isopropylbenzene	11.02	105	281521	21.03	ug/l	99
74) N-amyl acetate	6.48	43	126555	20.99	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83438	21.47	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87041m	23.91	ug/l	
77) Bromobenzene	11.26	156	81742	20.83	ug/l	100
78) n-propylbenzene	11.37	91	316401	20.66	ug/l	100
79) 2-Chlorotoluene	11.43	91	189650	20.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	236472	20.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21115	15.96	ug/l	88
82) 4-Chlorotoluene	11.52	91	228276	20.89	ug/l	99
83) tert-Butylbenzene	11.77	119	240565	20.42	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	247089	20.78	ug/l	99
85) sec-Butylbenzene	11.95	105	286764	20.63	ug/l	99
86) p-Isopropyltoluene	12.07	119	262941	20.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151560	20.87	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	153985	20.69	ug/l	99
89) n-Butylbenzene	12.40	91	229124	20.03	ug/l	100
90) Hexachloroethane	12.60	117	36058	16.44	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	149157	21.27	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17513	17.99	ug/l	98

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 ClientSampleId :
 VX0416MBS01

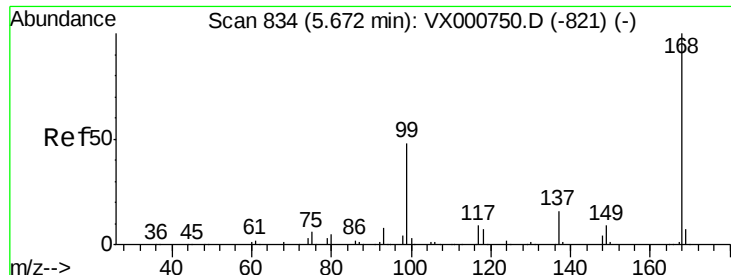
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122268	20.44	ug/l	99
94) Hexachlorobutadiene	13.79	225	51316	17.44	ug/l	98
95) Naphthalene	13.84	128	324266	21.11	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	119518	20.57	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:168 Resp: 239743

Ion Ratio Lower Upper

168 100

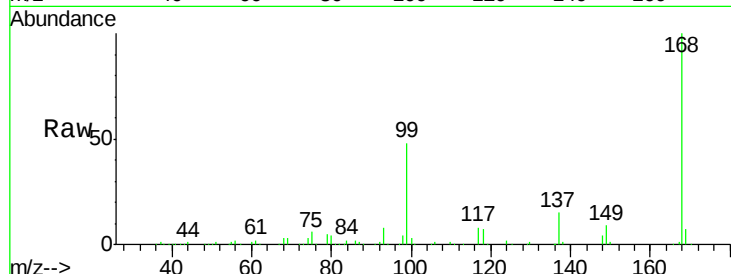
99 47.5 38.3 57.5

Manual Integrations

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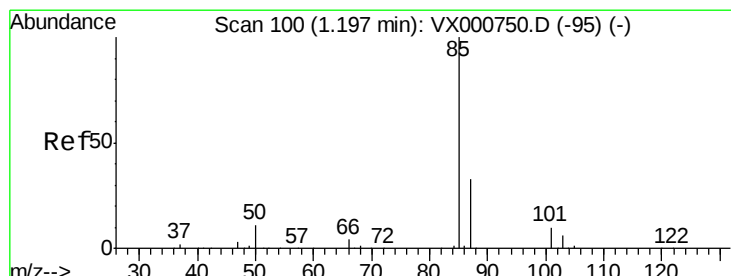
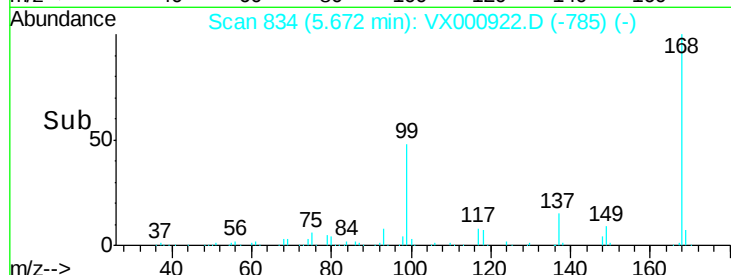
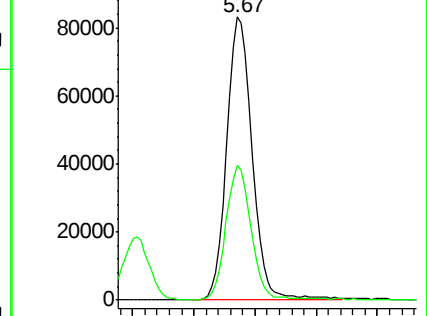
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.60 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000922.D

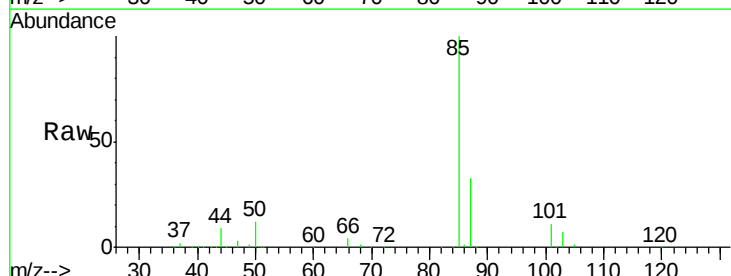
Acq: 16 Apr 2018 16:41

Tgt Ion: 85 Resp: 53031

Ion Ratio Lower Upper

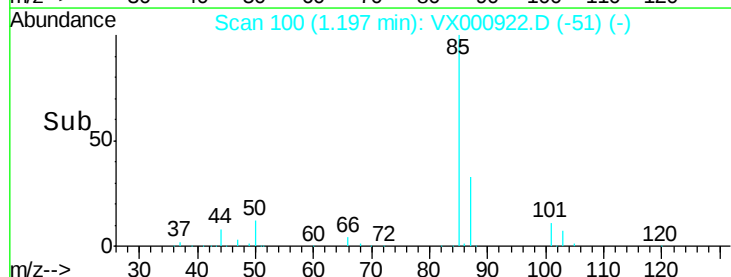
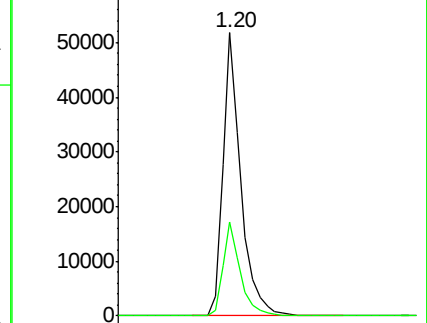
85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 50 Resp: 48181

Ion Ratio Lower Upper

50 100

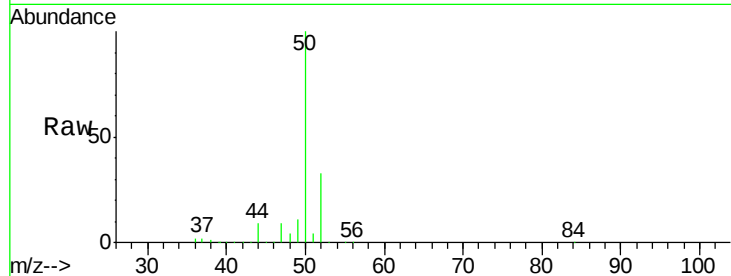
52 33.3 25.8 38.8

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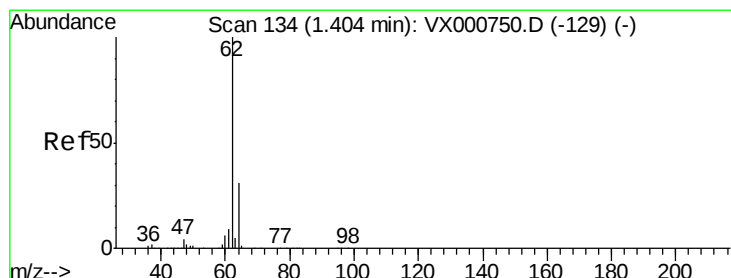
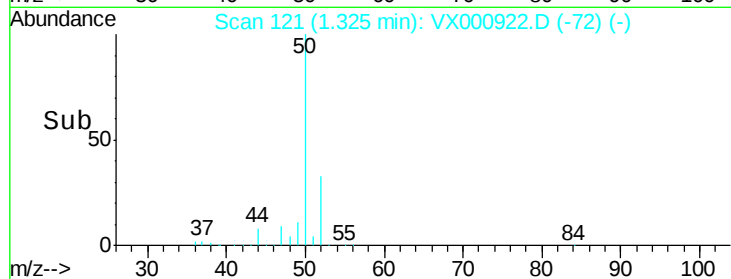
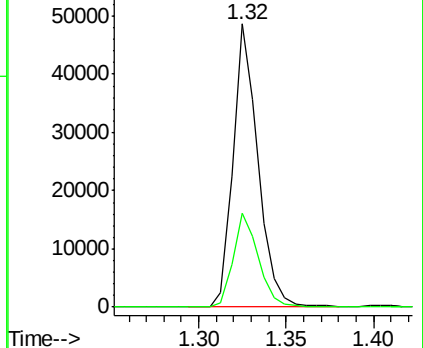
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000922.D

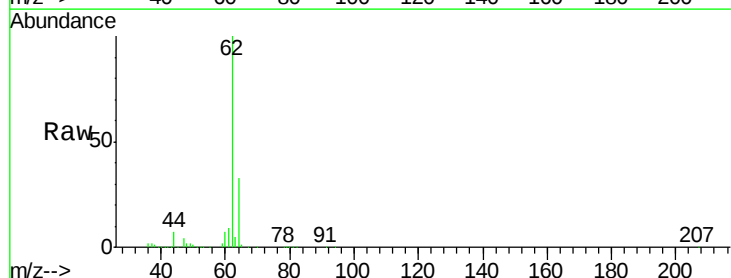
Acq: 16 Apr 2018 16:41

Tgt Ion: 62 Resp: 53629

Ion Ratio Lower Upper

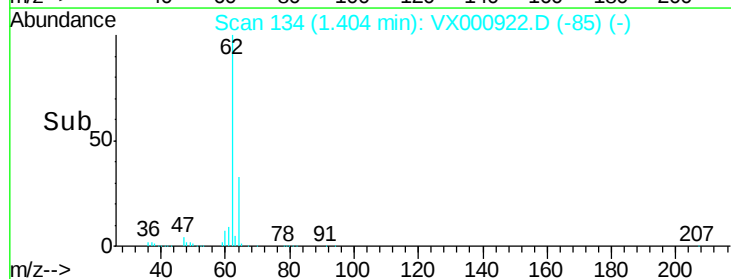
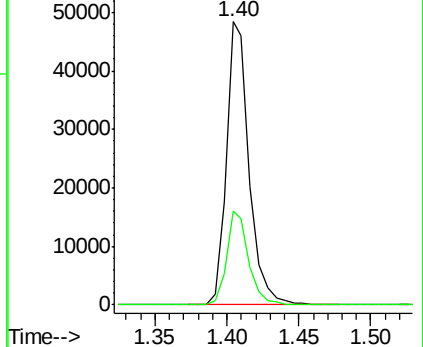
62 100

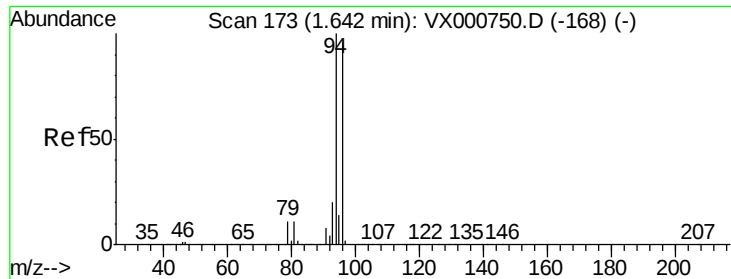
64 33.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 31.94 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 94 Resp: 35039

Ion Ratio Lower Upper

94 100

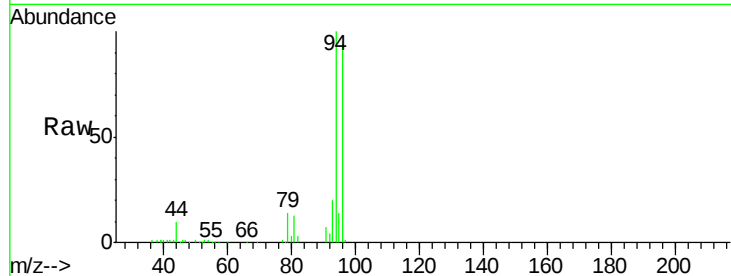
96 94.0 77.0 115.6

Manual Integrations

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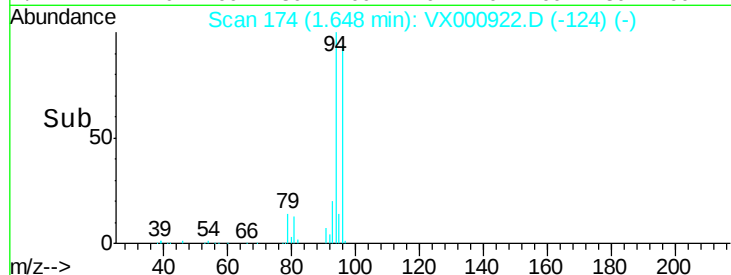


Abundance Ion 93.90 (93.60 to 94.60): VX0

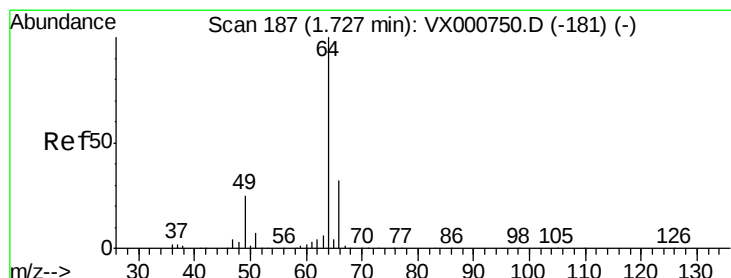
Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->



Time-->



#6

Chloroethane

Concen: 21.88 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000922.D

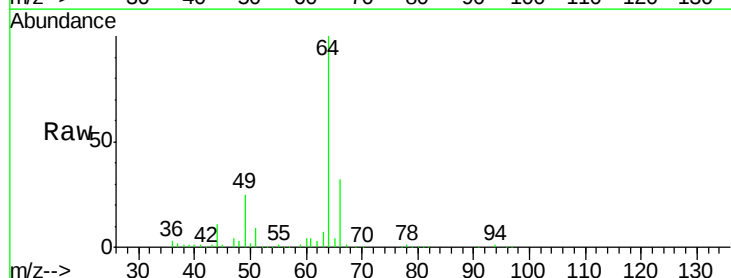
Acq: 16 Apr 2018 16:41

Tgt Ion: 64 Resp: 34611

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9

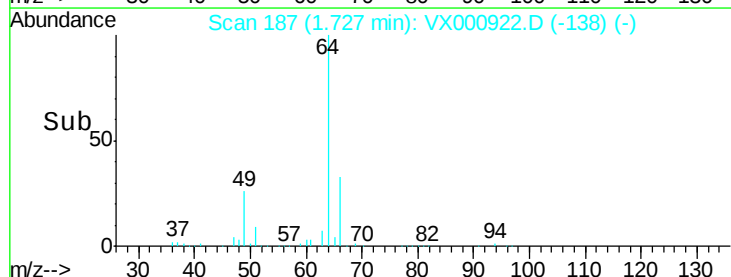


Abundance Ion 63.90 (63.60 to 64.60): VX0

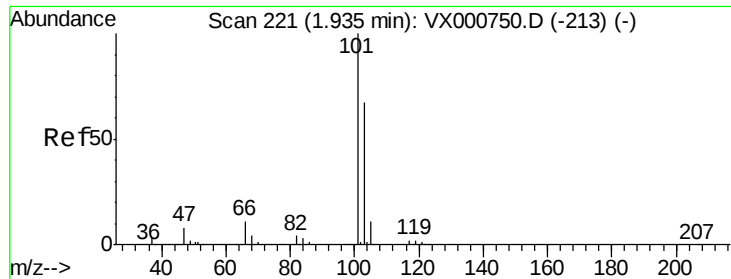
Ion 65.90 (65.60 to 66.60): VX0

1.73

Time-->



Time-->



#7

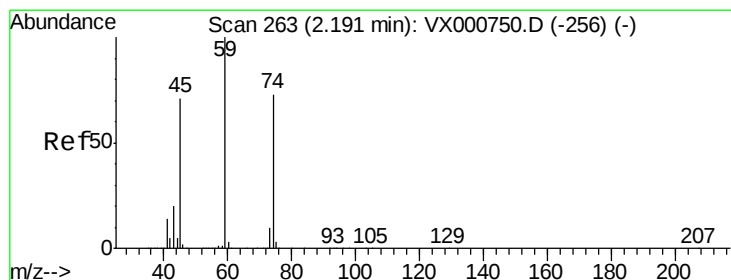
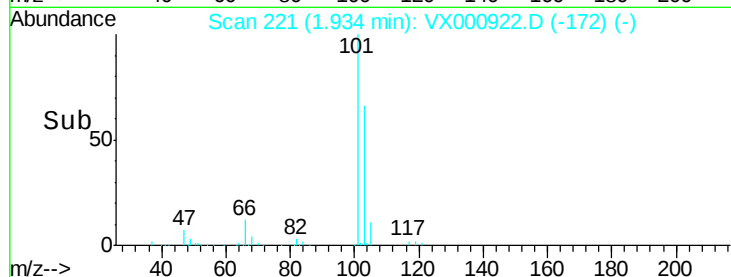
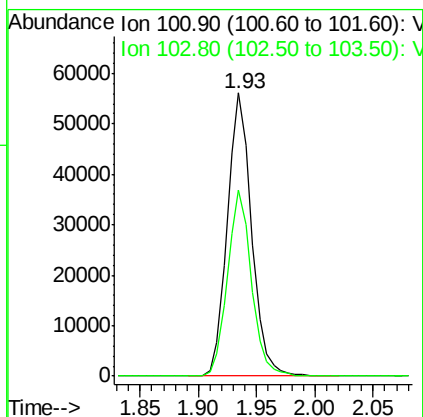
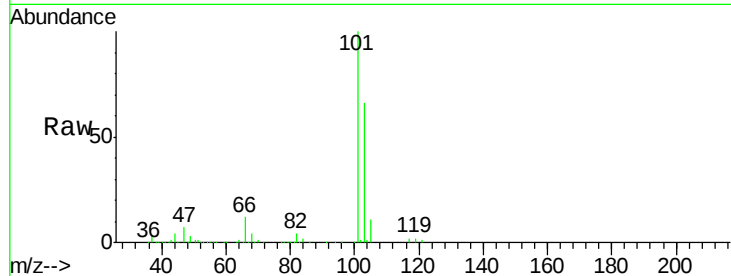
Trichlorofluoromethane
 Concen: 20.65 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.2	79.8

Manual Integrations
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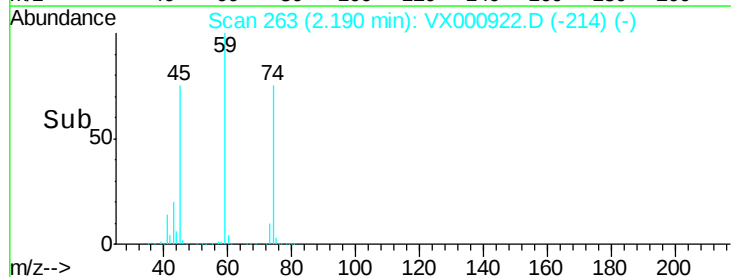
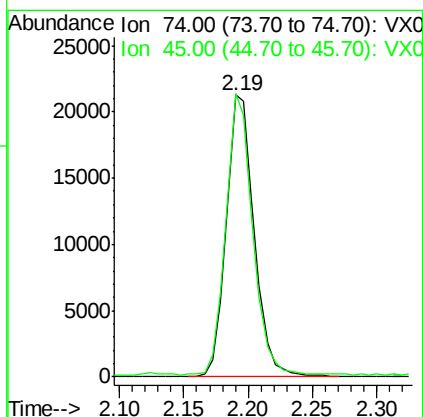
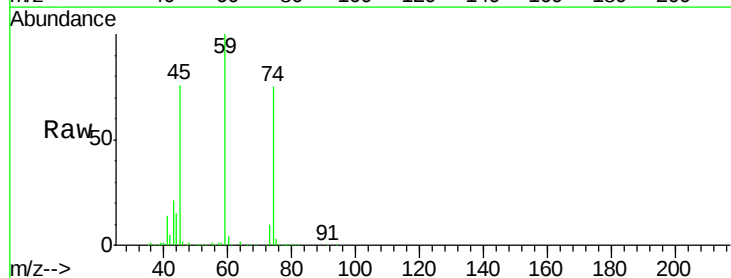
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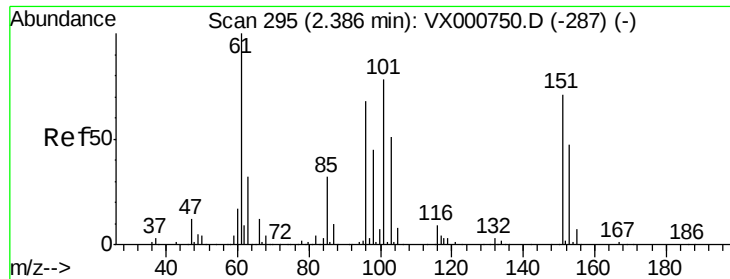


#8

Diethyl Ether
 Concen: 21.95 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.73 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

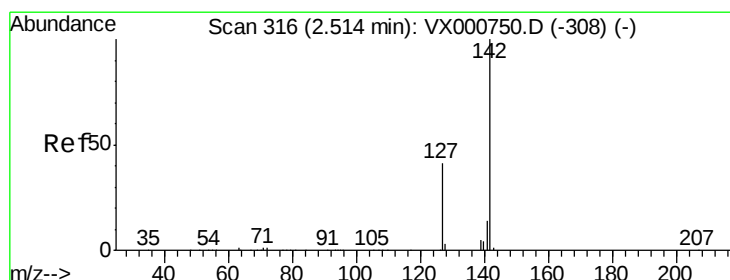
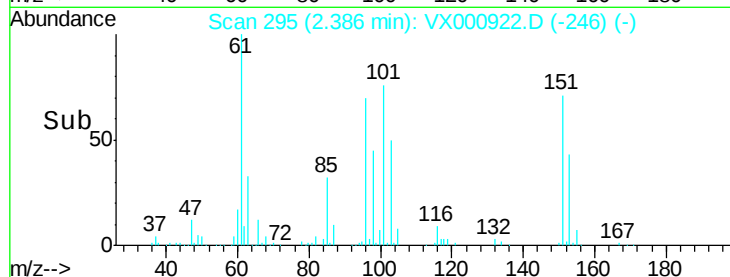
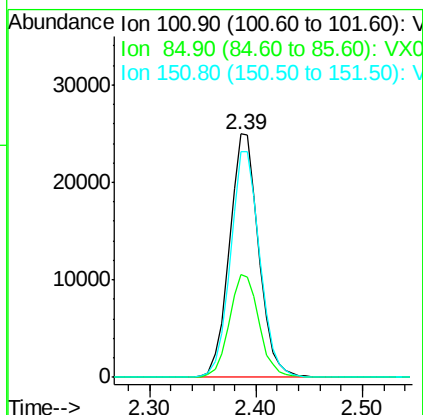
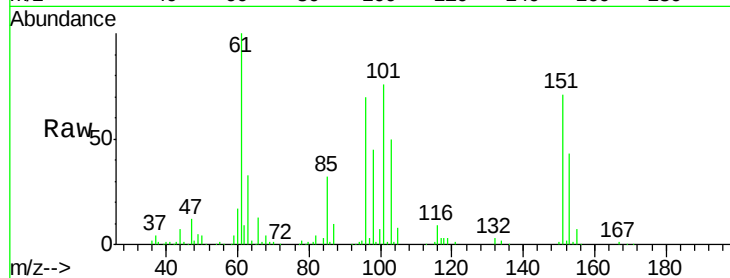
ClientSampleId :

VX0416MBS01

Tot Ion:	101	Resp:	48140
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.0	51.0
151	93.4	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.81 ug/l

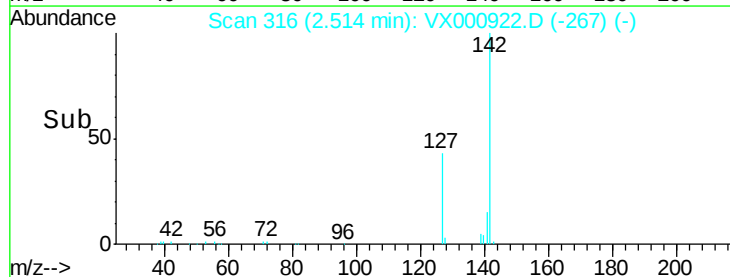
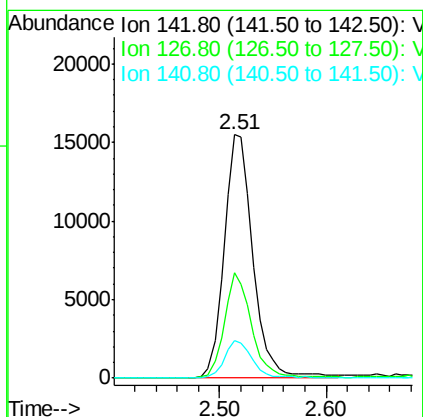
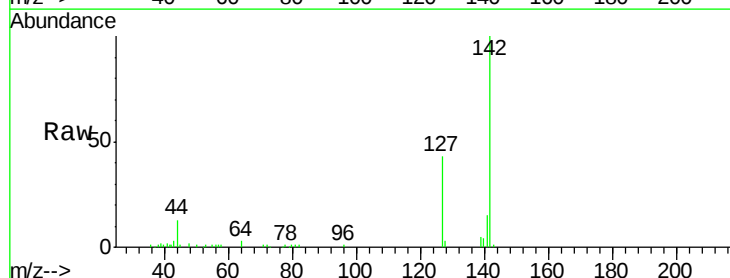
RT: 2.51 min Scan# 316

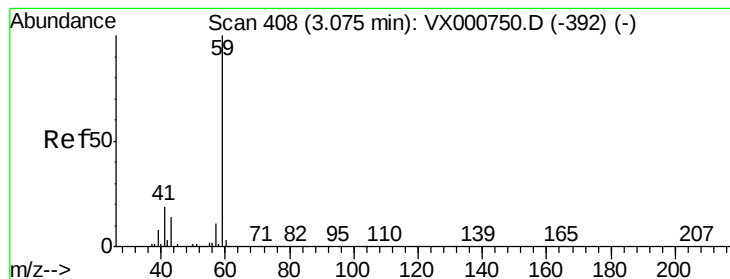
Delta R.T. 0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion:	142	Resp:	29369
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.6	49.0
141	14.7	11.5	17.3





#11

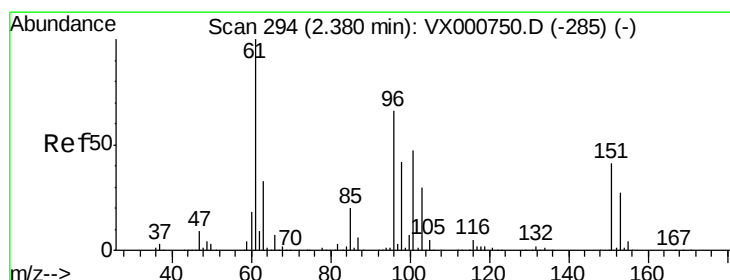
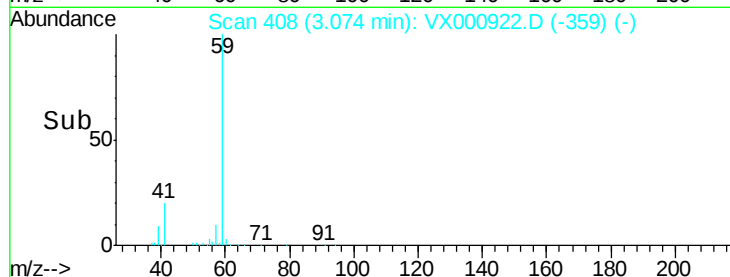
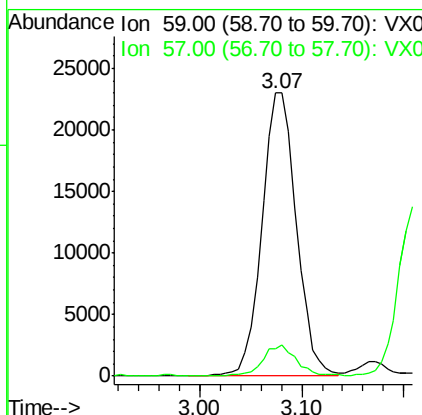
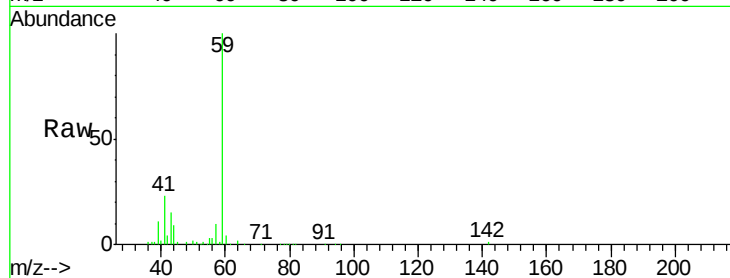
Tert butyl alcohol
 Concen: 100.29 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

Manual Integrations
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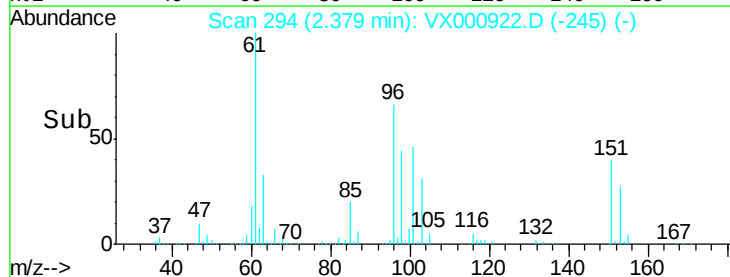
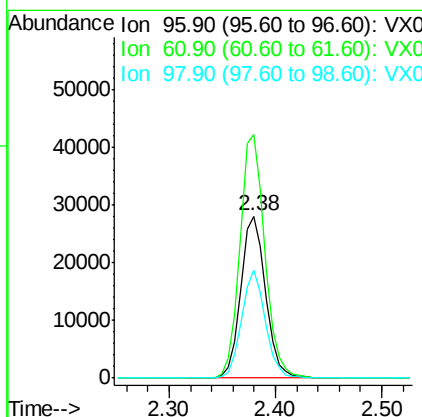
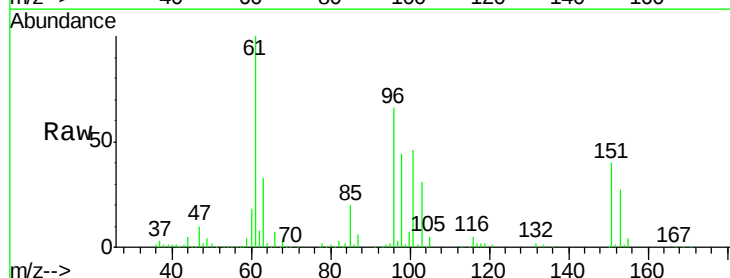
MMDadoda
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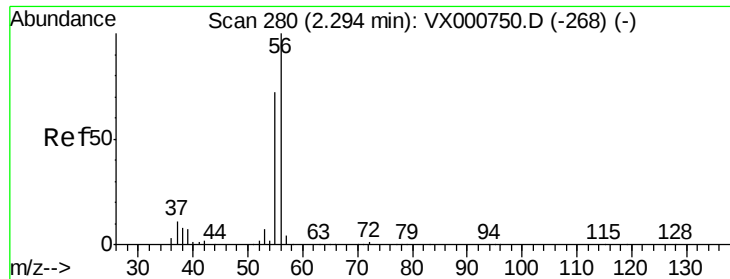


#12

1,1-Dichloroethene
 Concen: 20.95 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	120.5	180.7
98	66.4	50.9	76.3





#13

Acrolein

Concen: 109.50 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tot Ion: 56 Resp: 28538

Ion Ratio Lower Upper

56 100

55 70.5 58.7 88.1

Instrument :

MSVOA_X

ClientSampleId :

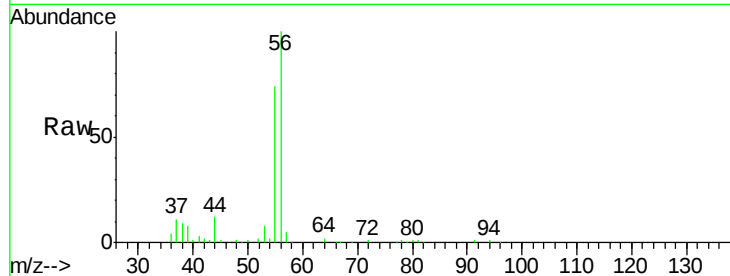
VX0416MBS01

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

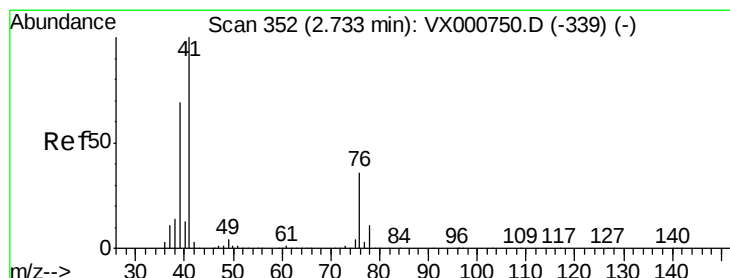
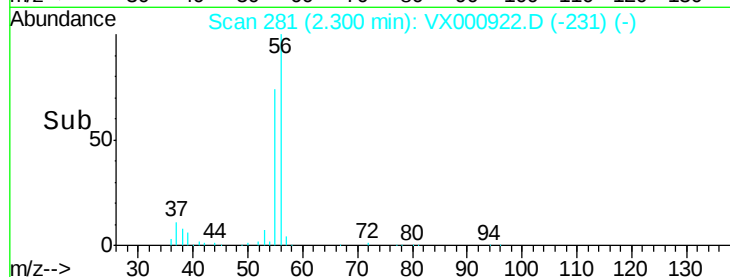
10000

5000

0

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 20.55 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

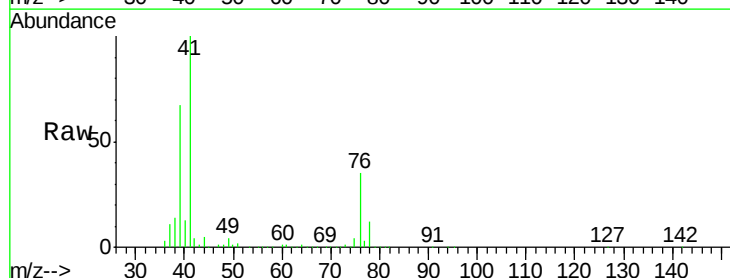
Tgt Ion: 41 Resp: 83614

Ion Ratio Lower Upper

41 100

39 64.1 51.5 77.3

76 31.6 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

30000

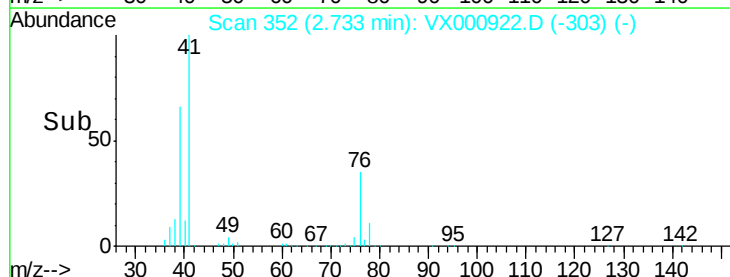
20000

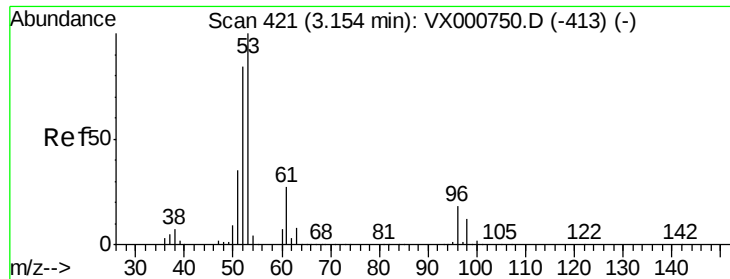
10000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 118.37 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

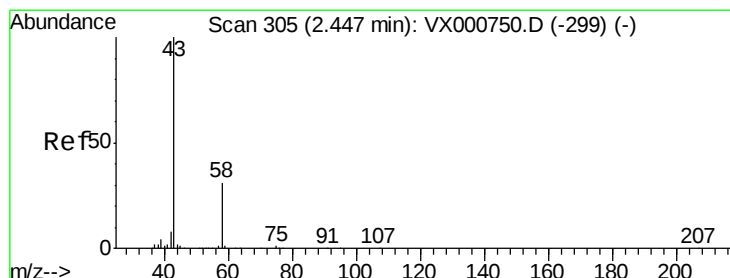
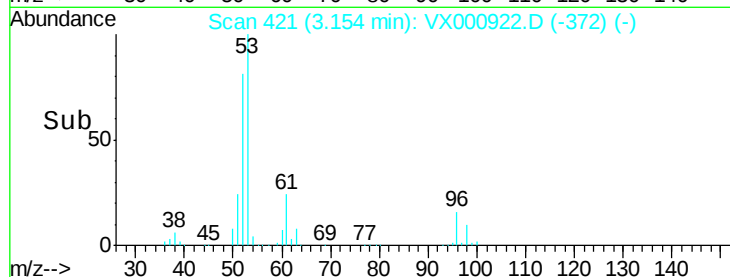
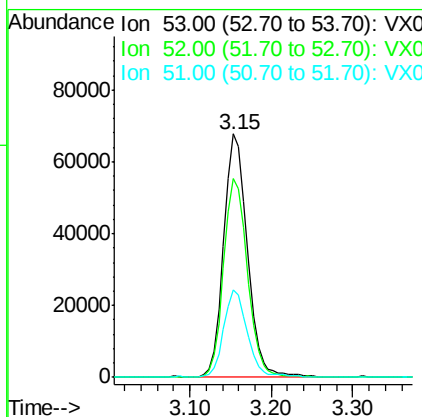
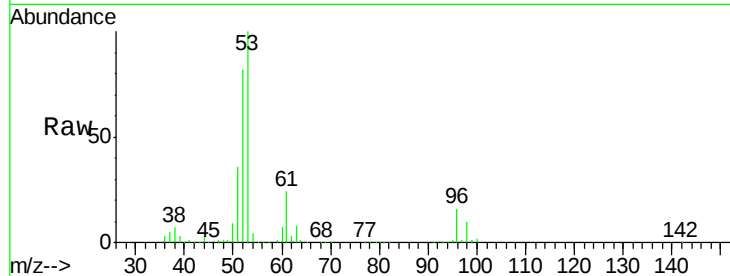
ClientSampleId :

VX0416MBS01

Tot Ion:	53	Resp:	135442
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.5	99.7
51	36.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 110.17 ug/l

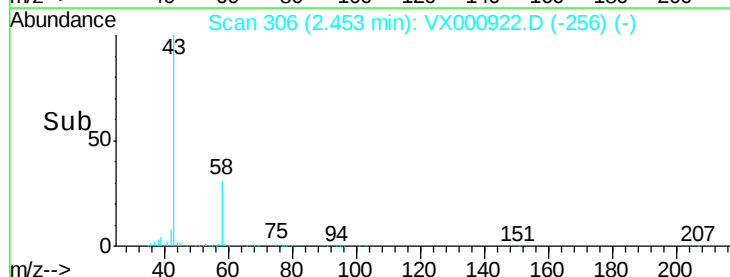
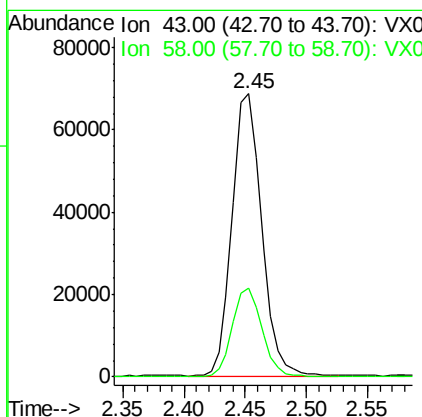
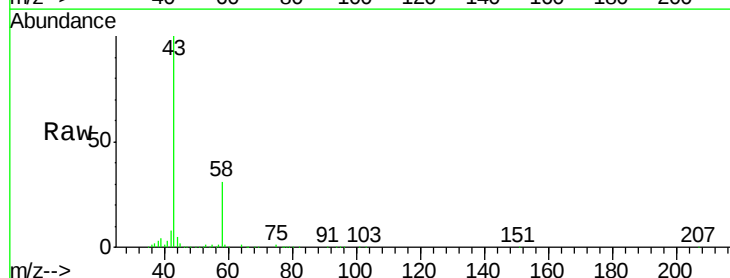
RT: 2.45 min Scan# 306

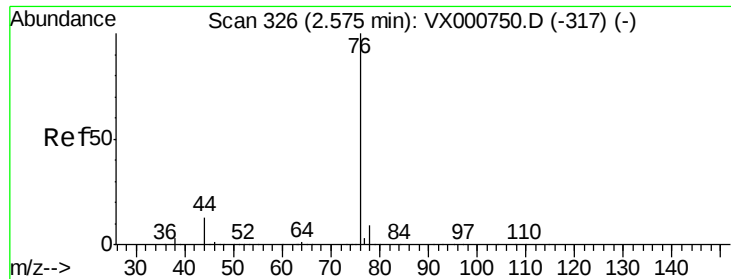
Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion:	43	Resp:	114841
Ion Ratio		Lower	Upper
43	100		
58	31.4	24.6	37.0





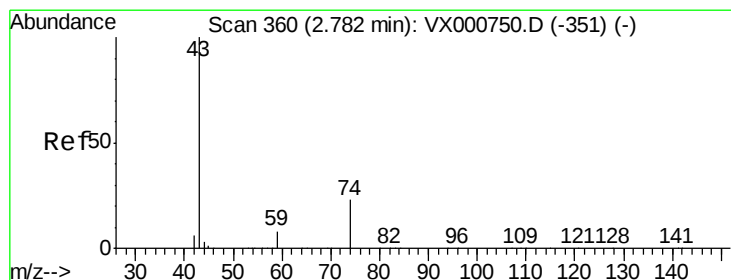
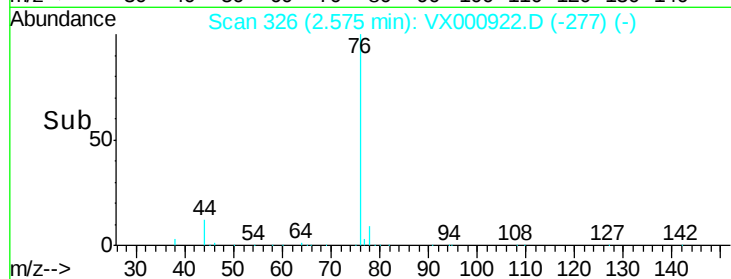
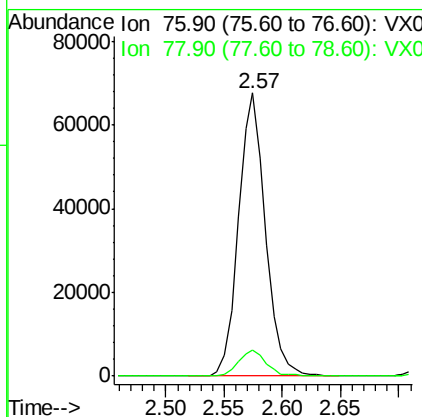
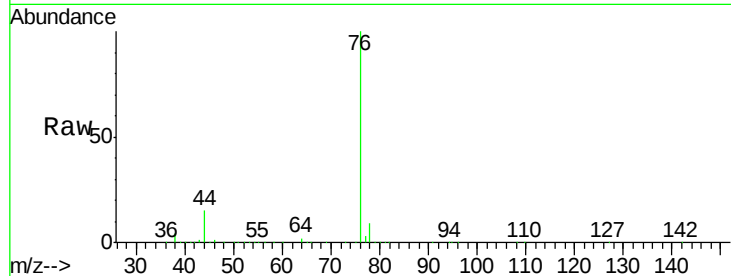
#17
Carbon Disulfide
Concen: 16.32 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

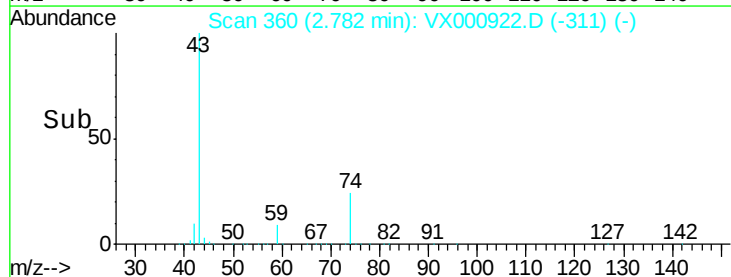
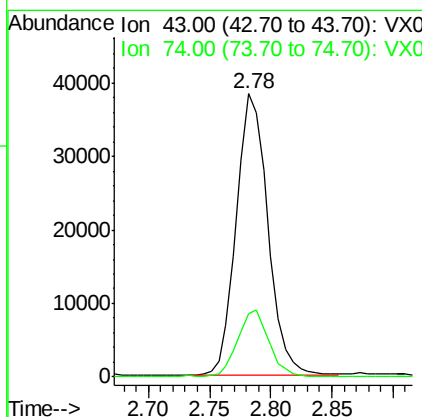
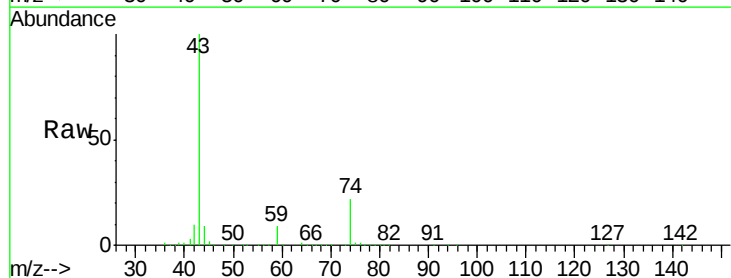
Manual Integrations
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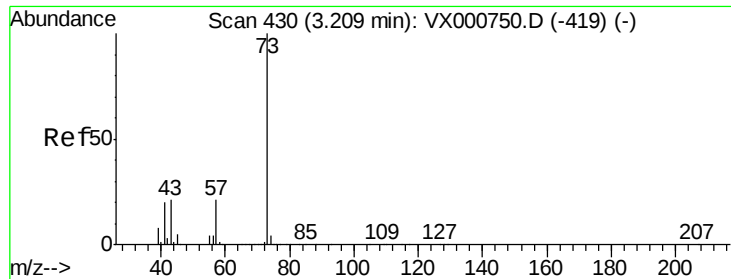
MMDadoda
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#18
Methyl Acetate
Concen: 25.50 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





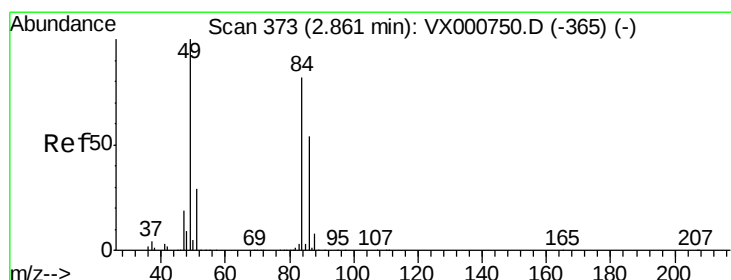
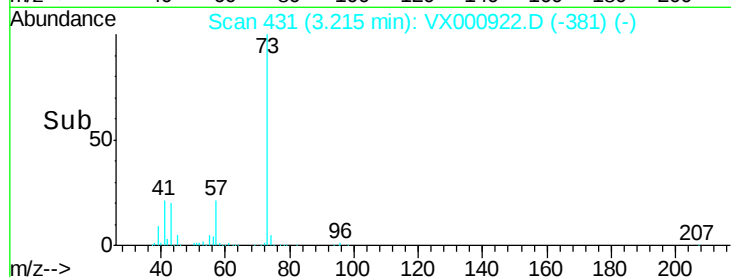
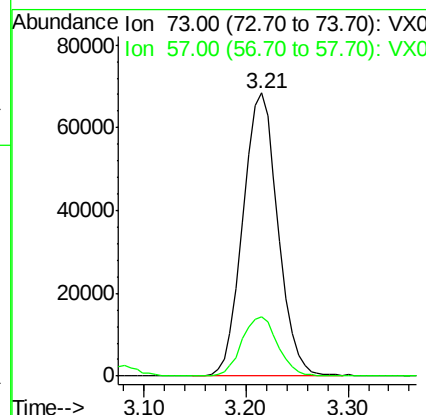
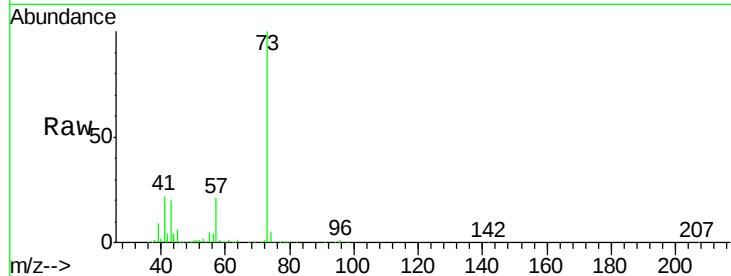
#19
Methyl tert-butyl Ether
Concen: 22.28 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.9	25.3

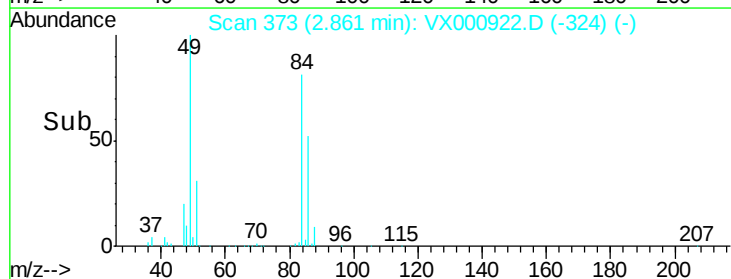
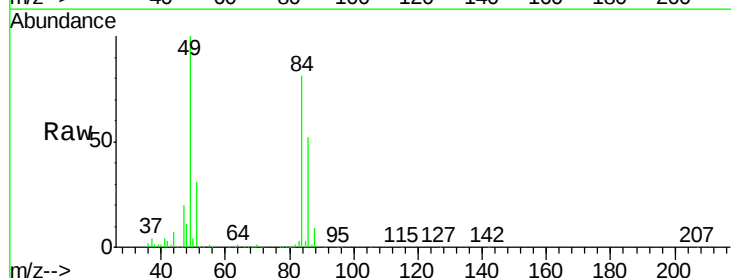
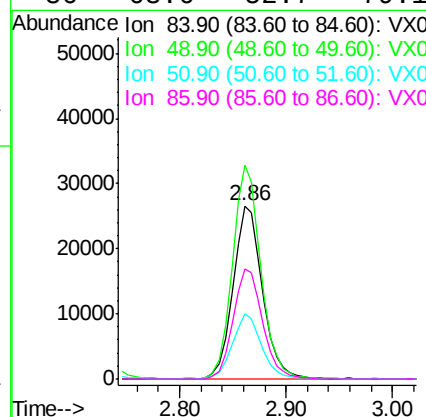
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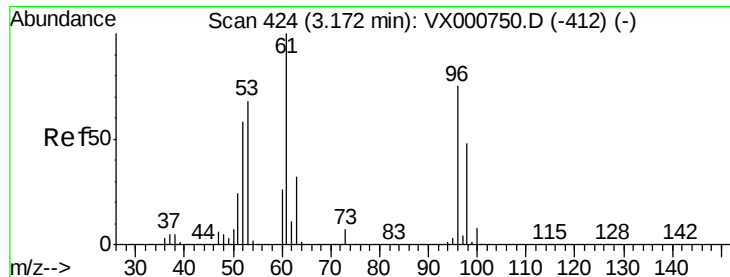
MMDadoda
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#20
Methylene Chloride
Concen: 21.16 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	98.1	147.1
51	37.8	28.9	43.3
86	63.6	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 96 Resp: 48633

Ion Ratio Lower Upper

96 100

61 135.1 106.2 159.2

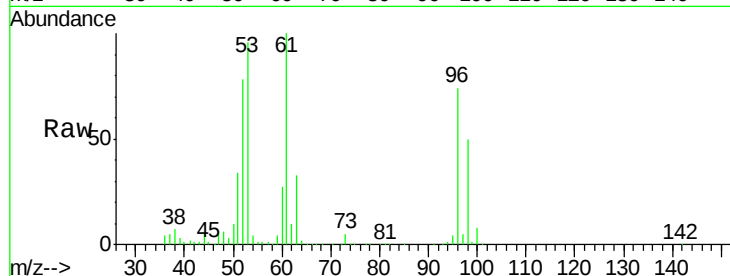
98 66.9 51.2 76.8

Manual Integrations

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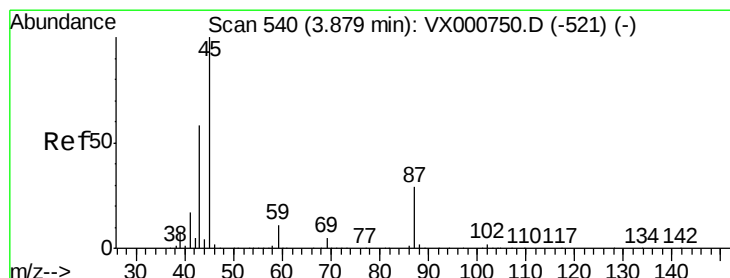
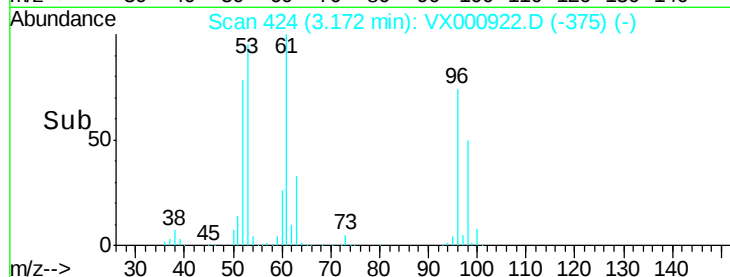
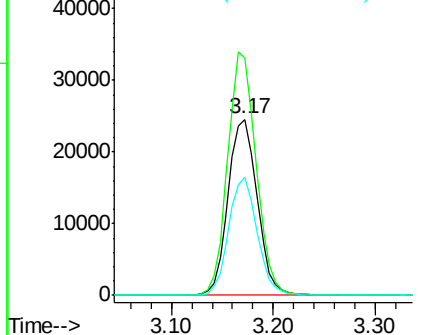
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.78 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion: 45 Resp: 170298

Ion Ratio Lower Upper

45 100

43 59.6 46.6 69.8

87 27.7 22.9 34.3

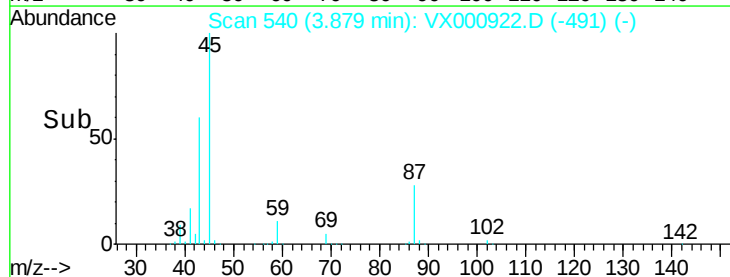
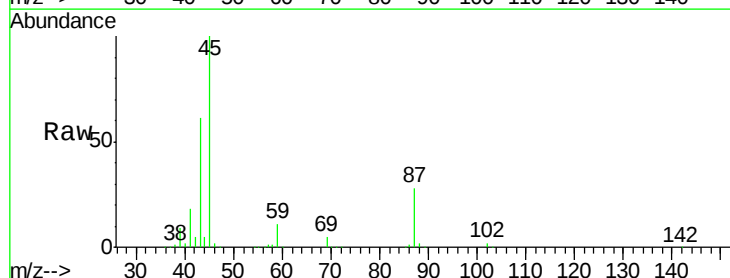
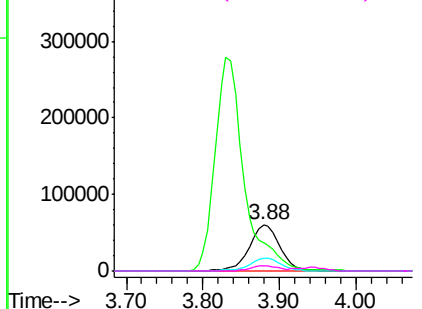
59 10.9 9.2 13.8

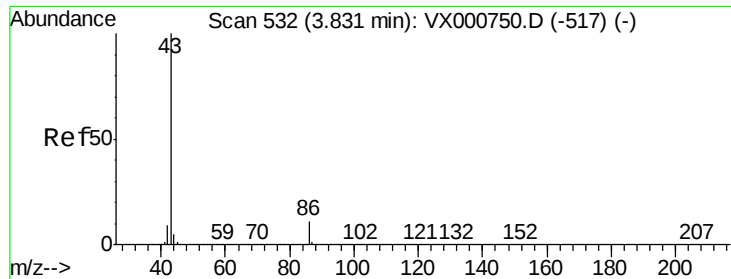
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 111.67 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 733100

Ion Ratio Lower Upper

43 100

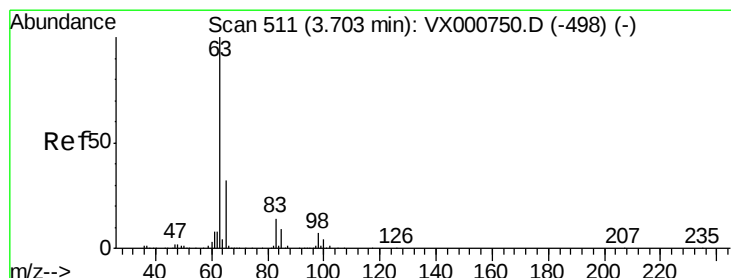
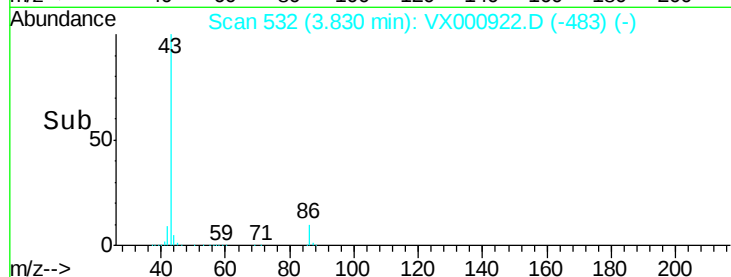
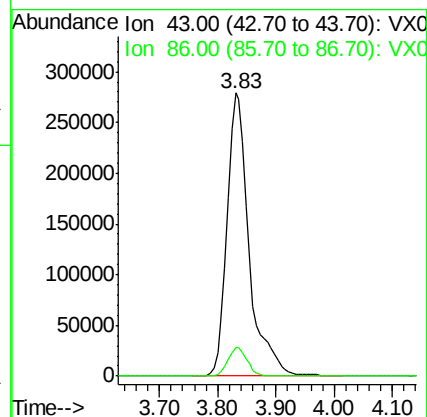
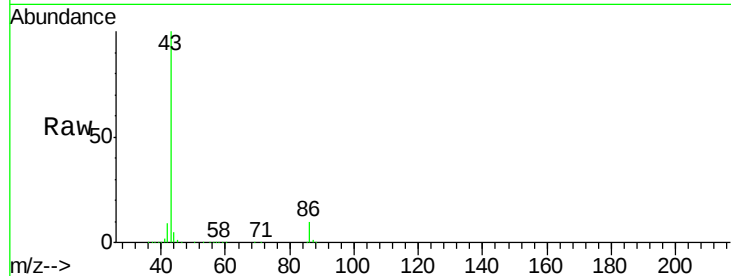
86 10.1 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.22 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

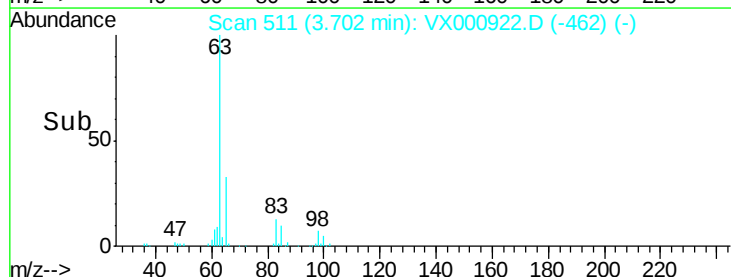
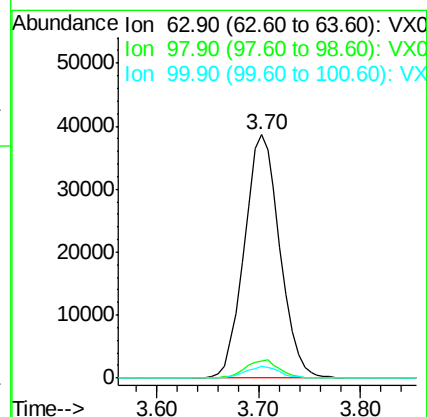
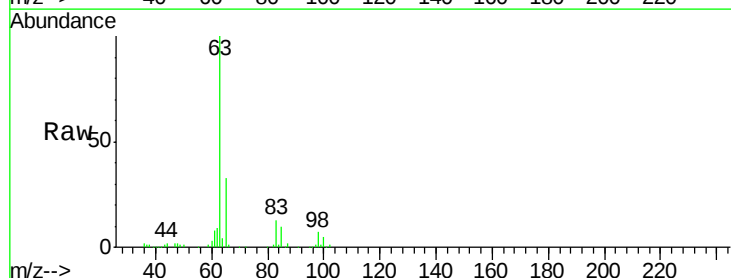
Tgt Ion: 63 Resp: 93246

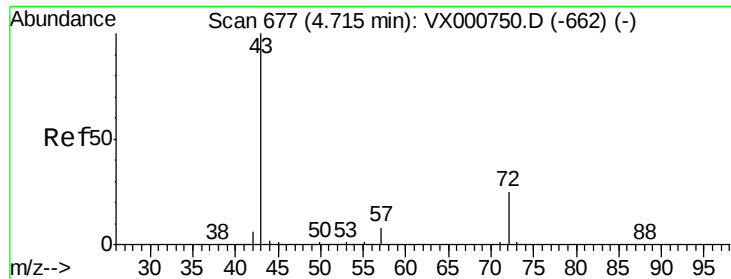
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 112.99 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 194509

Ion Ratio Lower Upper

43 100

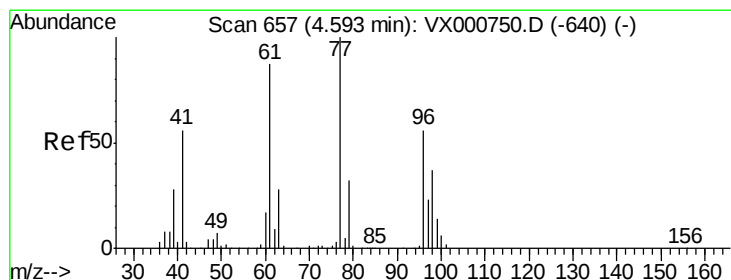
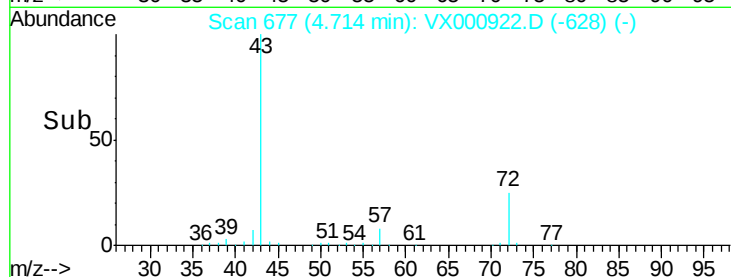
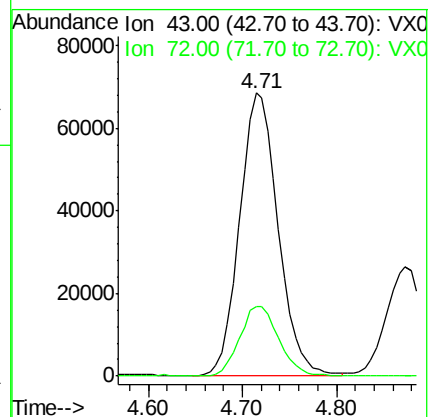
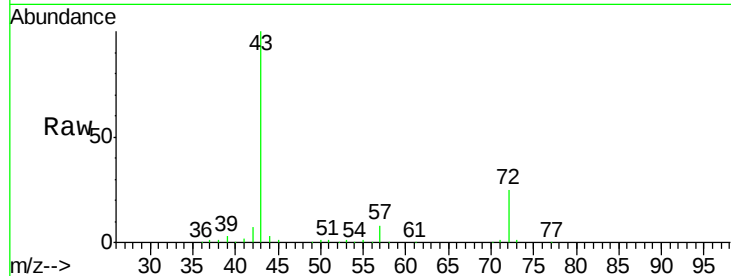
72 24.8 20.3 30.5

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.83 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000922.D

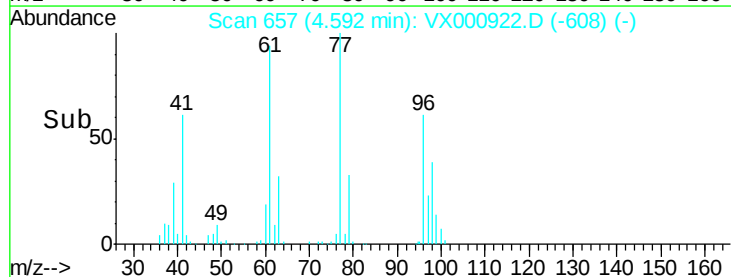
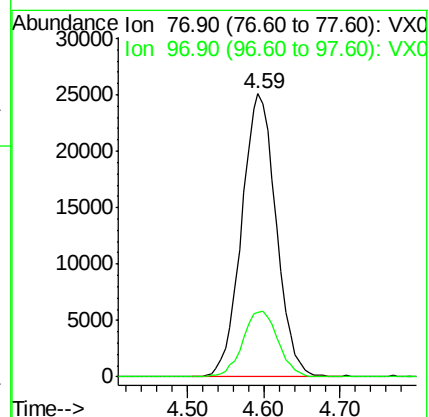
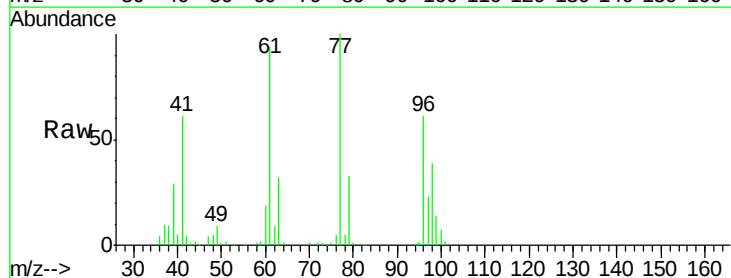
Acq: 16 Apr 2018 16:41

Tgt Ion: 77 Resp: 78410

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.4





#27

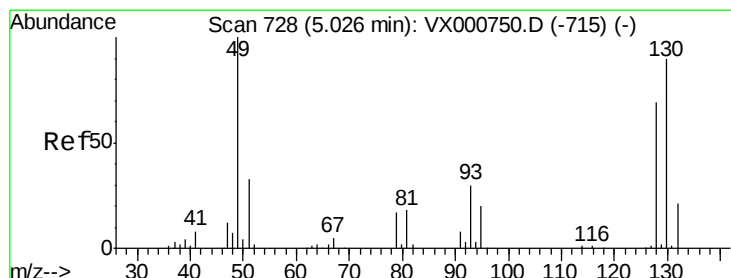
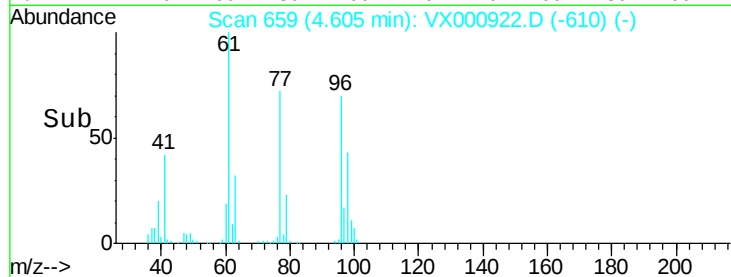
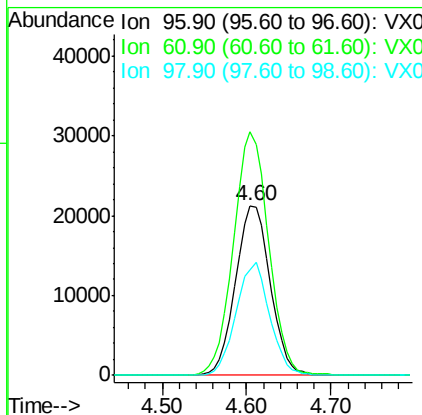
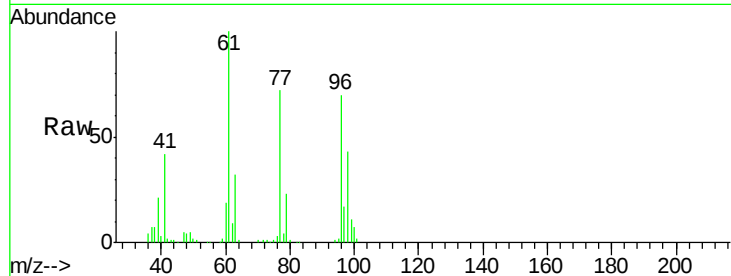
cis-1,2-Dichloroethene
 Concen: 21.54 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59305		
61	145.7		0.0	292.4
98	64.2		0.0	130.2

Manual Integrations
 APPROVED

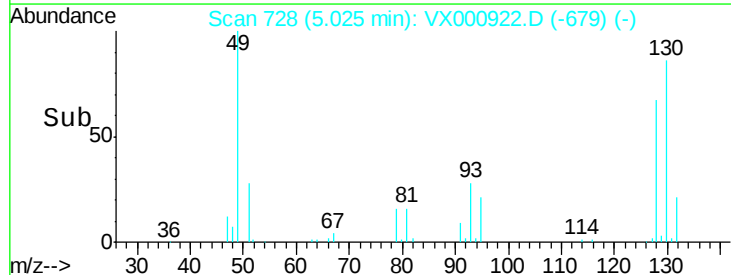
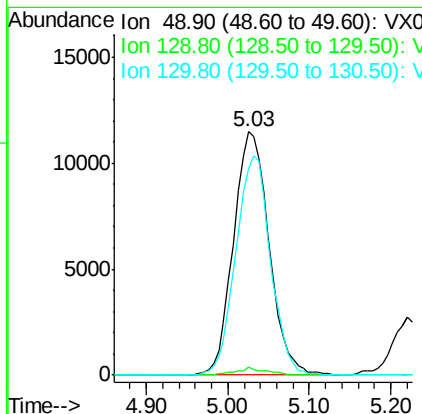
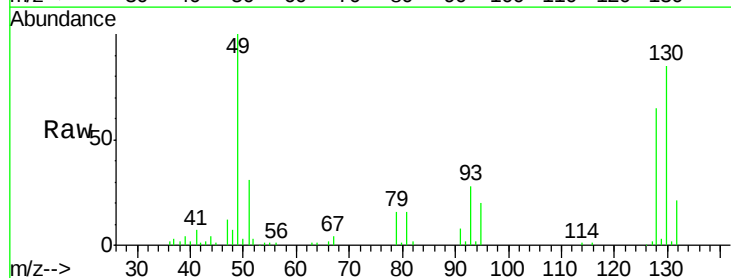
MMDadoda
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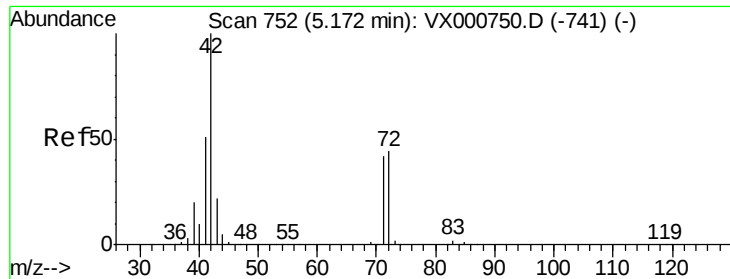


#28

Bromochloromethane
 Concen: 20.53 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34685		
129	2.4		0.0	5.2
130	88.0		72.6	109.0





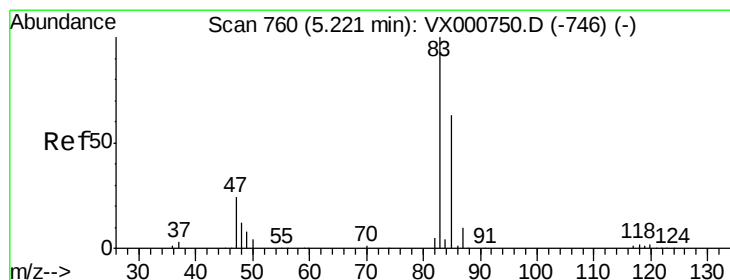
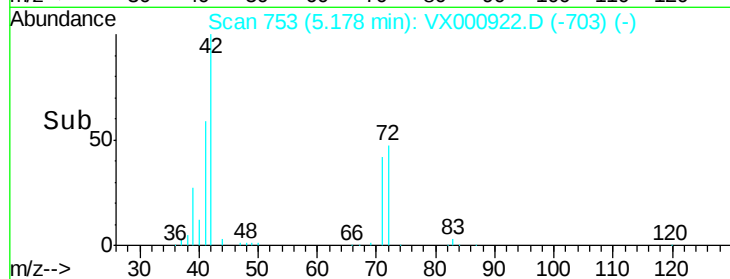
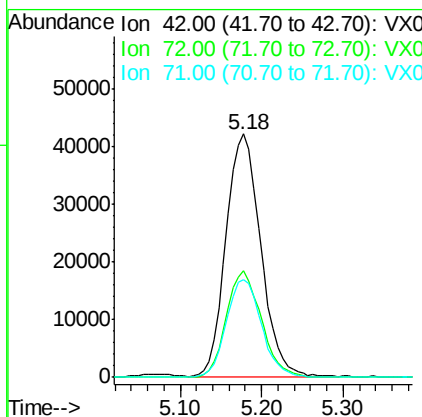
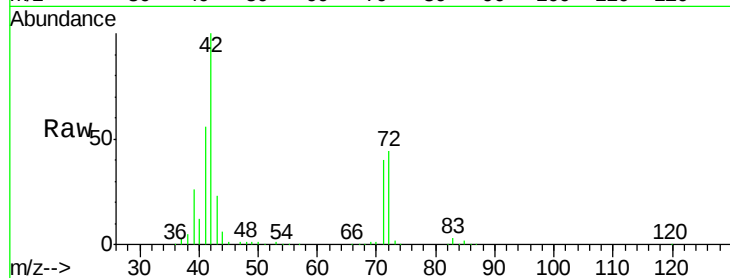
#29
Tetrahydrofuran
Concen: 113.32 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.1	52.7
71	40.9	32.8	49.2

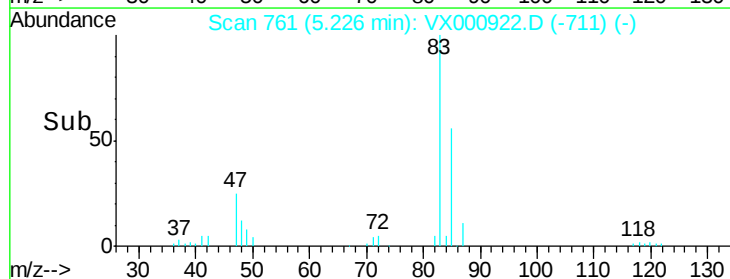
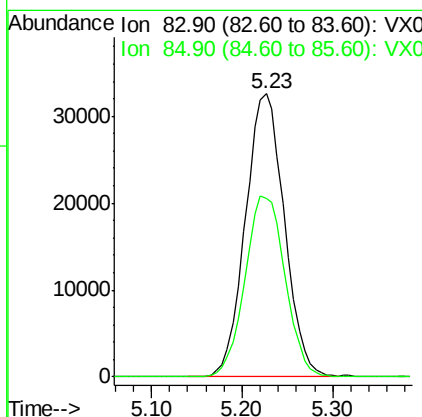
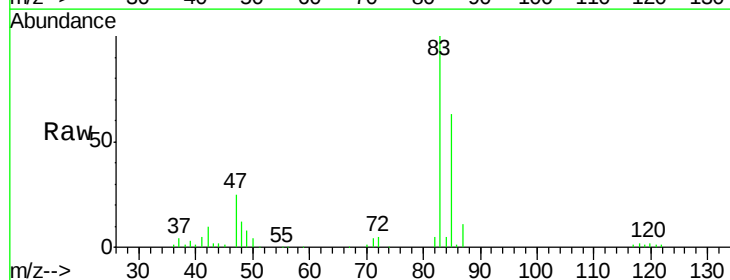
Manual Integrations
APPROVED

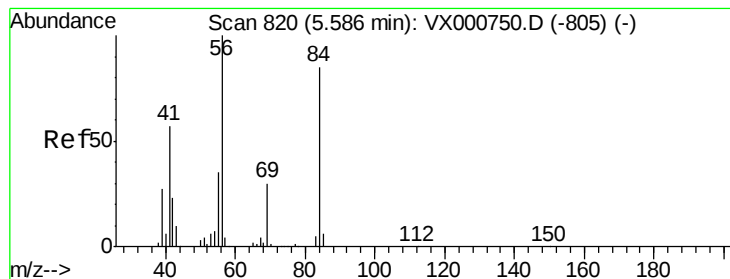
MMDadoda
4/18/2018 2:45:07 PM



#30
Chloroform
Concen: 21.84 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

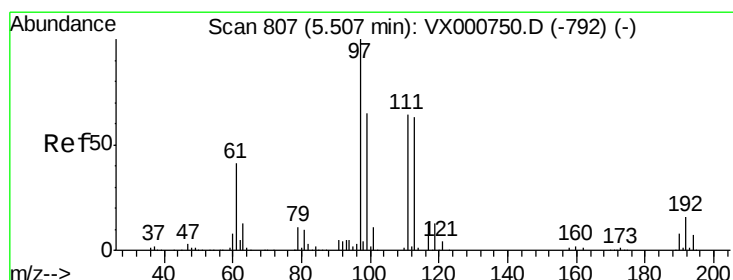
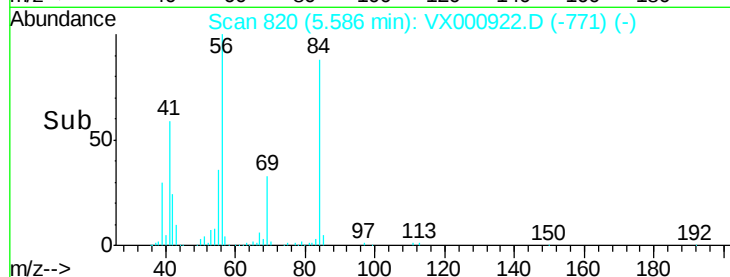
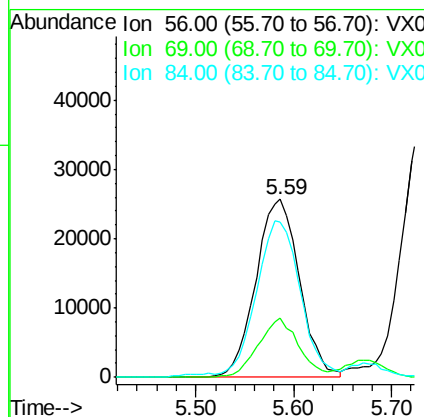
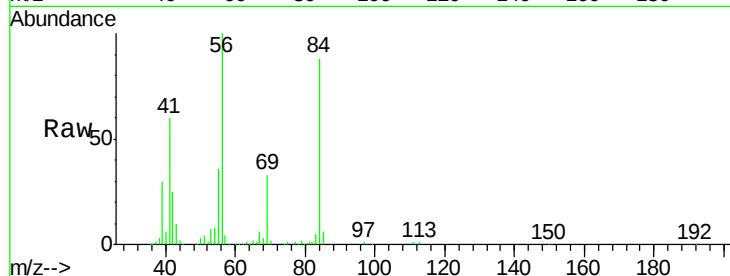
ClientSampleId :

VX0416MBS01

Tot Ion:	56	Resp:	79177
Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.2	36.4
84	86.3	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.74 ug/l

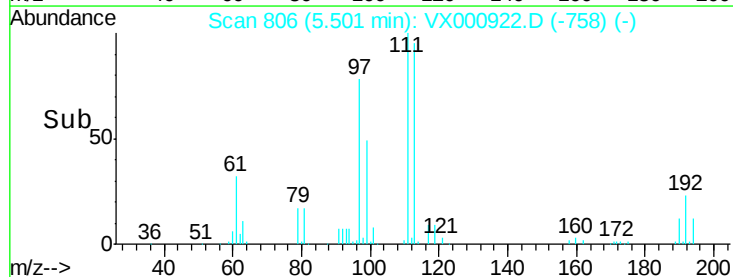
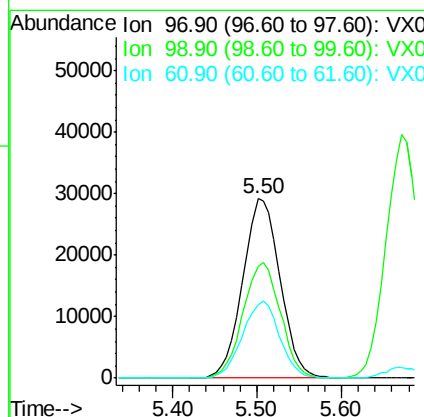
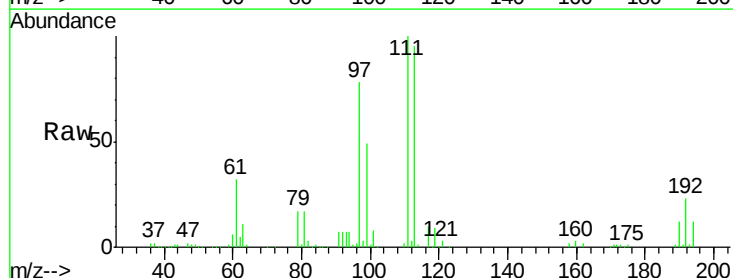
RT: 5.50 min Scan# 806

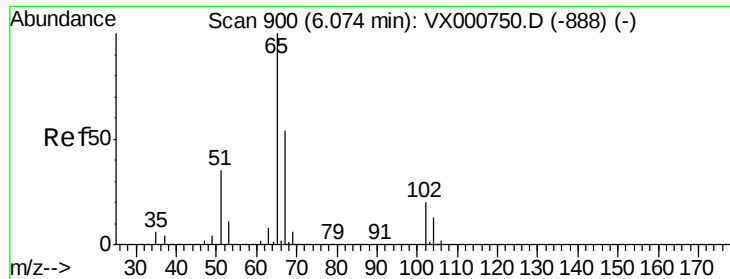
Delta R.T. -0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion:	97	Resp:	87770
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	42.7	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 51.15 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tot Ion: 65 Resp: 154613

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.8

Instrument :

MSVOA_X

ClientSampleId :

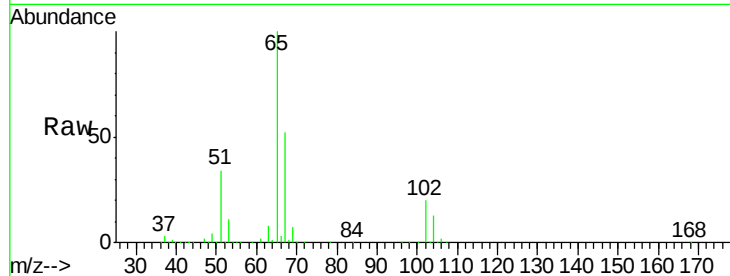
VX0416MBS01

Manual Integrations

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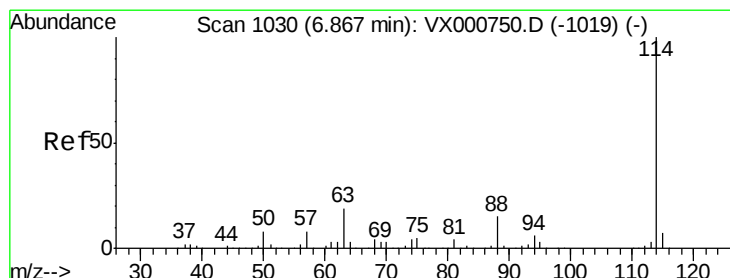
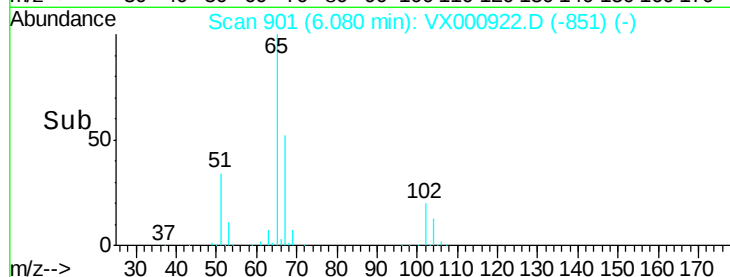
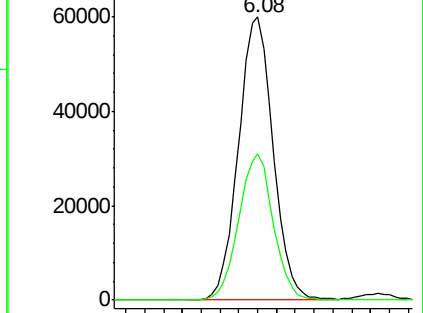
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

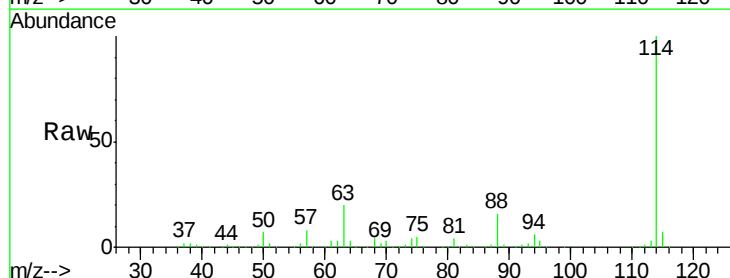
Tgt Ion: 114 Resp: 321732

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

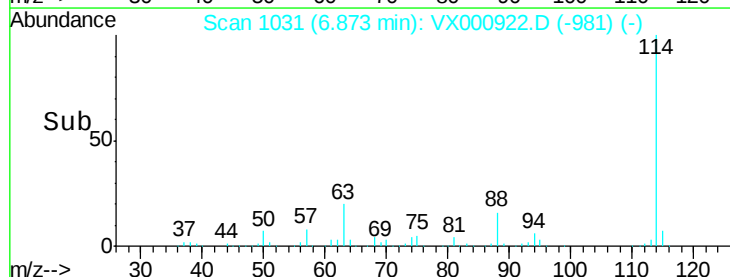
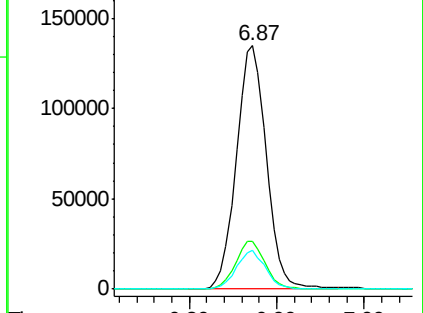
88 16.0 0.0 31.0

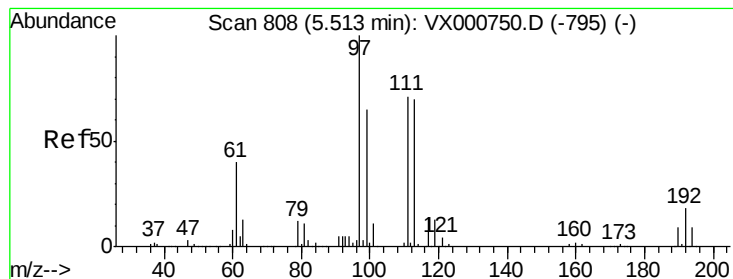


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.95 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

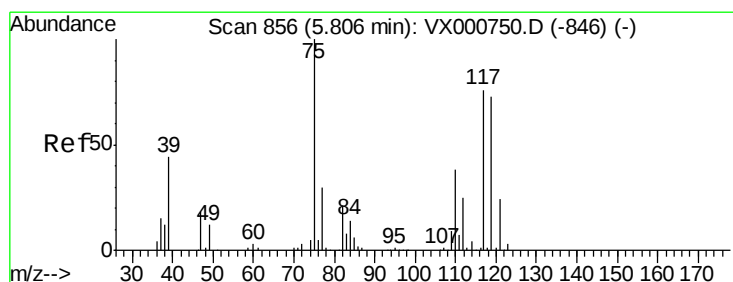
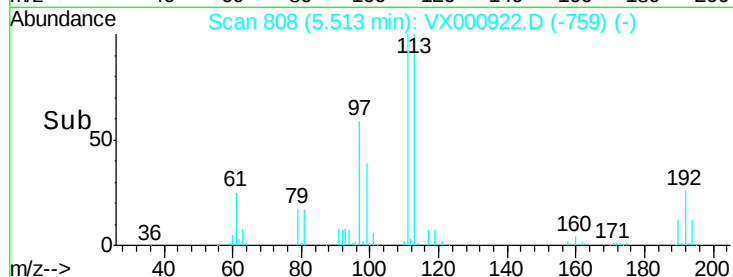
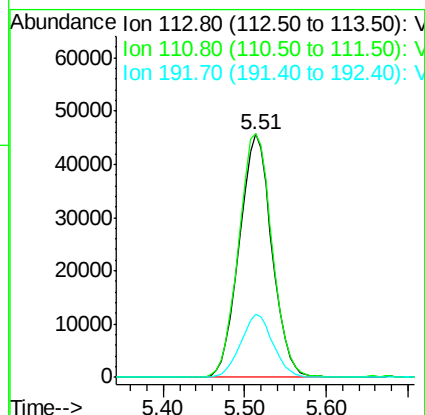
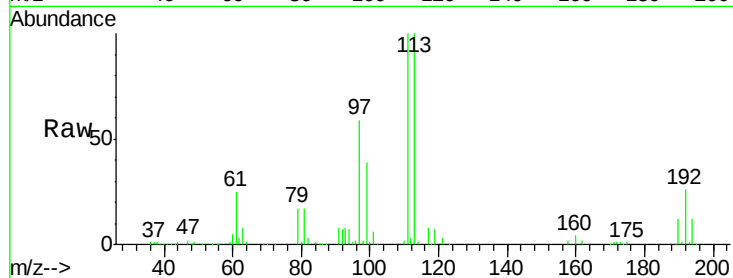
ClientSampleId :

VX0416MBS01

Tot Ion:	113	Resp:	126304
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.5	122.3
192	25.6	20.4	30.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.19 ug/l

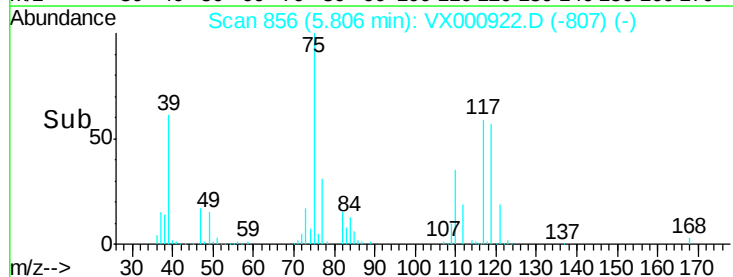
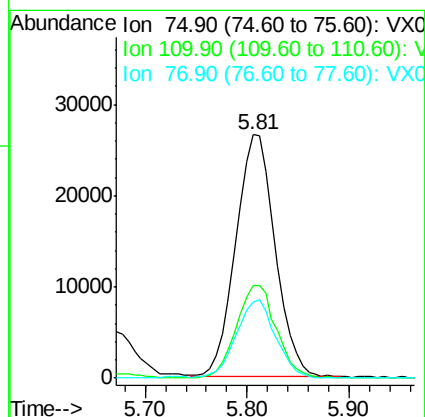
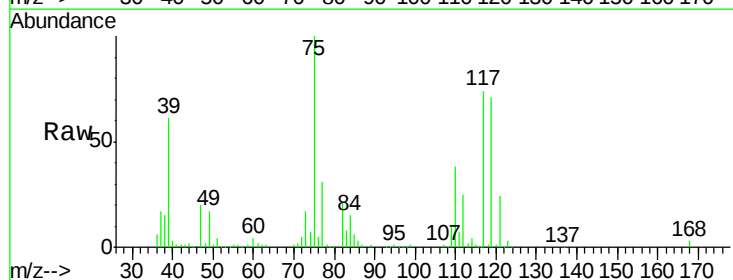
RT: 5.81 min Scan# 856

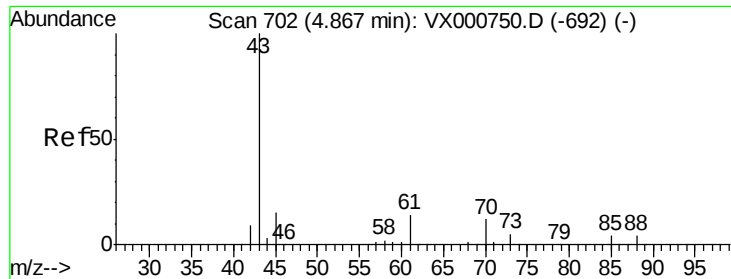
Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion:	75	Resp:	71537
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.2	57.6
77	31.7	25.4	38.2





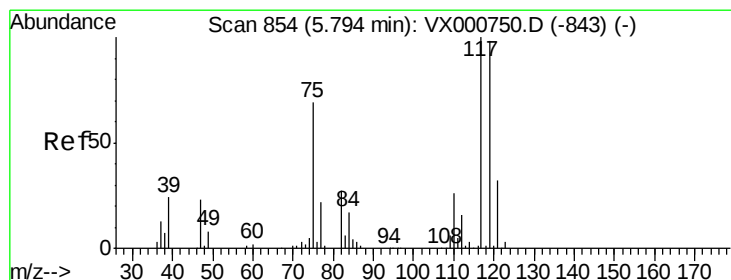
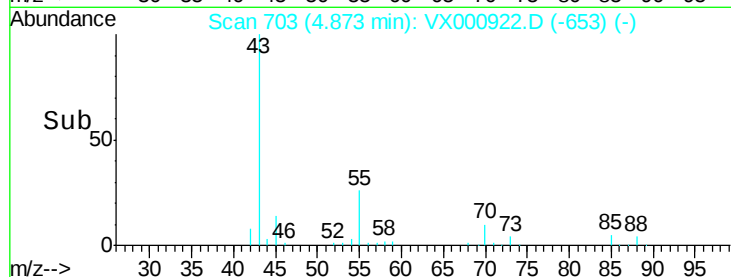
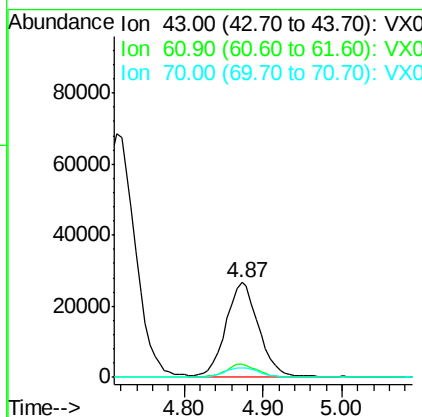
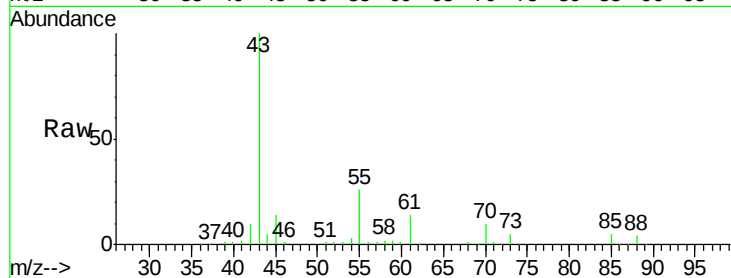
#37
Ethyl Acetate
Concen: 22.05 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.9	8.7	13.1

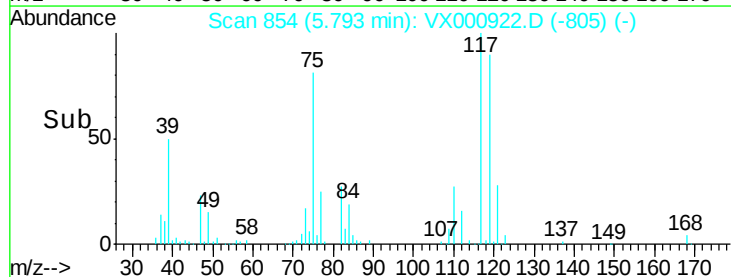
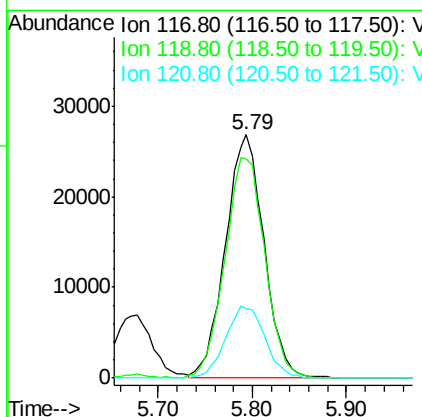
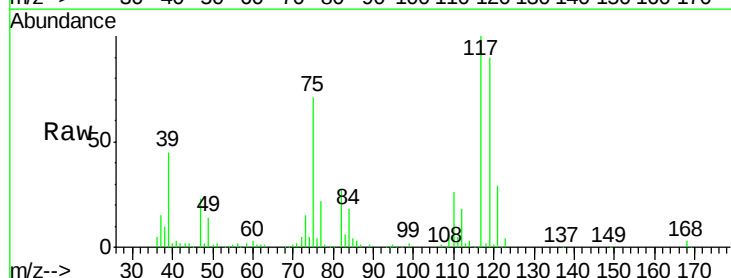
Manual Integrations
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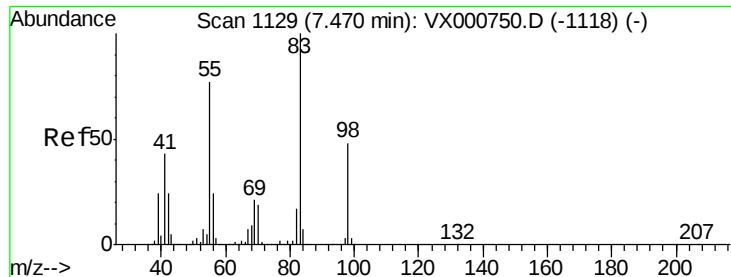
MMDadoda
4/18/2018 2:45:07 PM



#38
Carbon Tetrachloride
Concen: 19.15 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	78.4	117.6
121	28.9	25.4	38.0





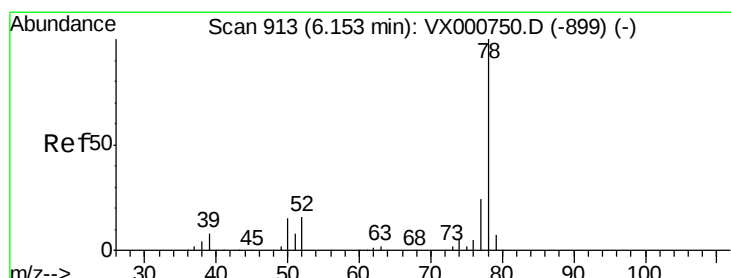
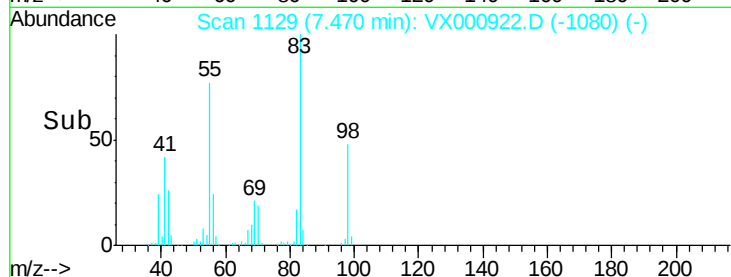
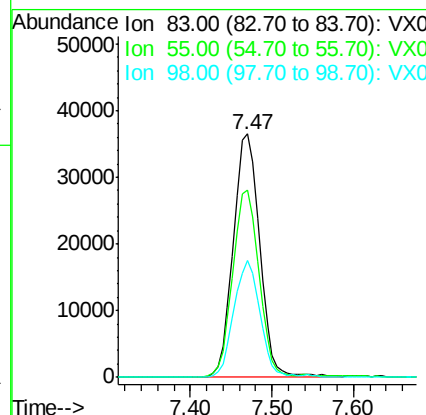
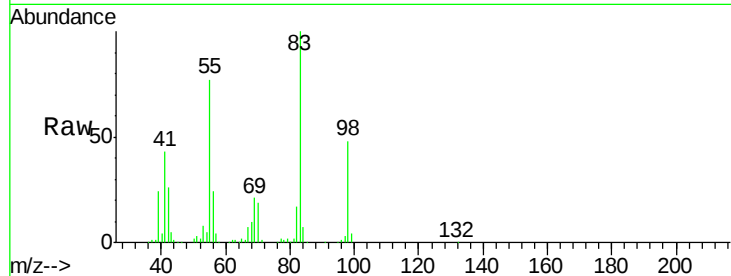
#39
Methvlcvclohexane
Concen: 19.27 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.5	92.3
98	48.2	38.1	57.1

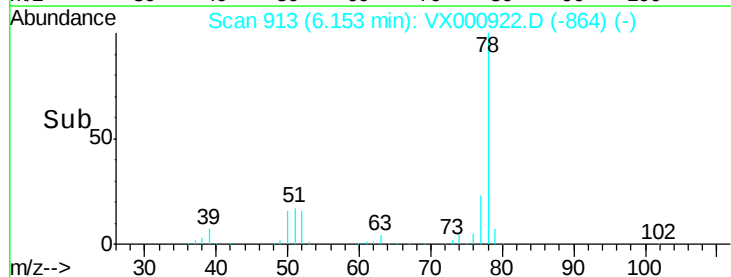
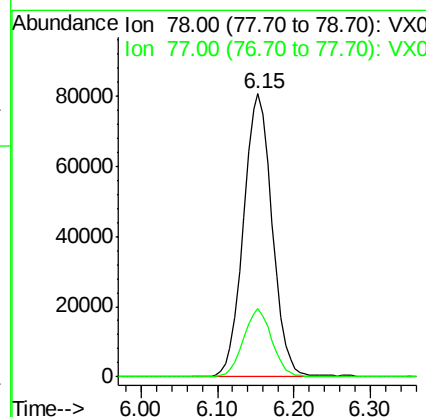
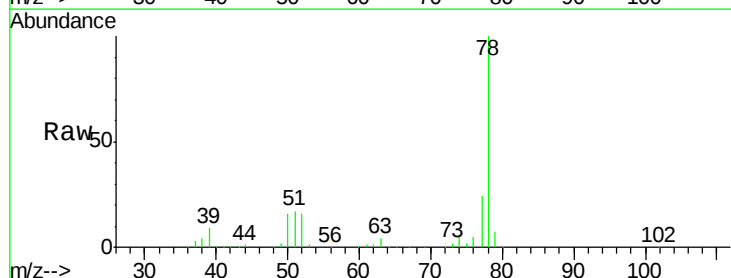
Manual Integrations
APPROVED

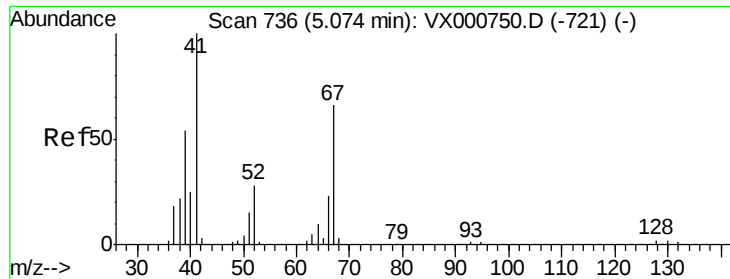
MMDadoda
4/18/2018 2:45:07 PM



#40
Benzene
Concen: 21.36 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





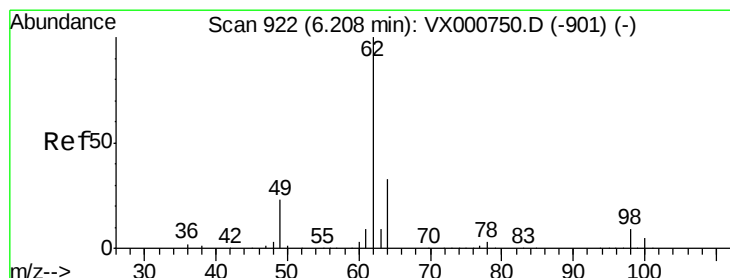
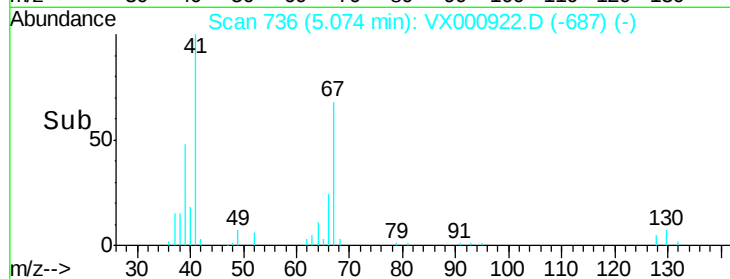
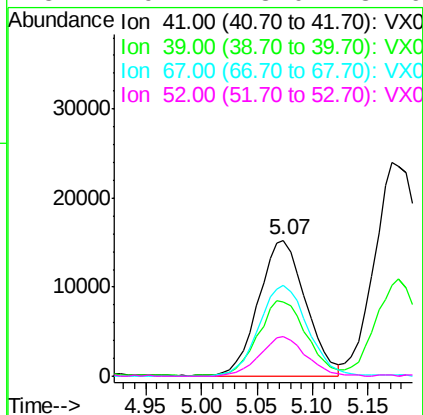
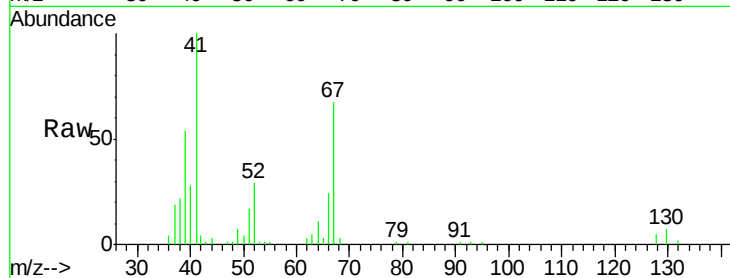
#41
Methacrylonitrile
Concen: 22.47 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	44.9	67.3	
67	69.5	54.7	82.1	
52	29.1	23.0	34.6	

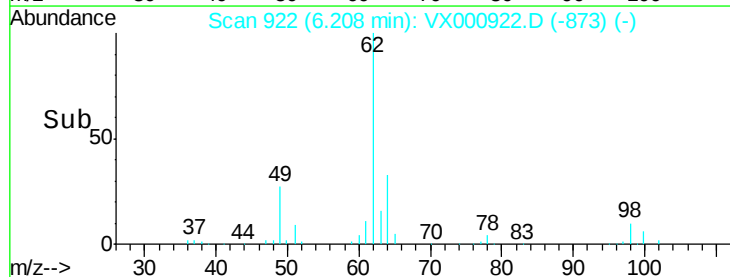
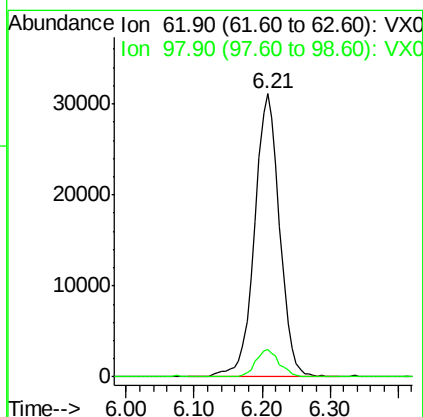
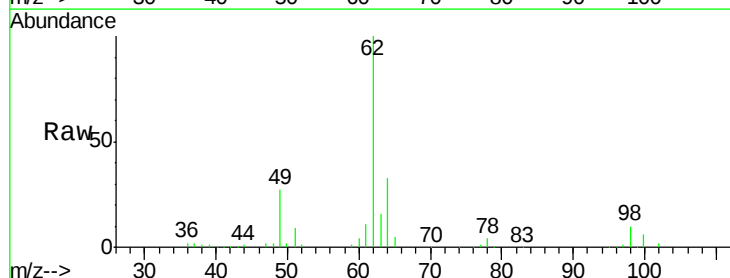
Manual Integrations
APPROVED

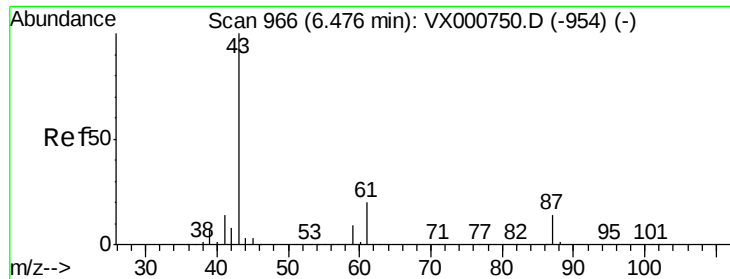
MMDadoda
4/18/2018 2:45:07 PM



#42
1,2-Dichloroethane
Concen: 21.78 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.6	





#43

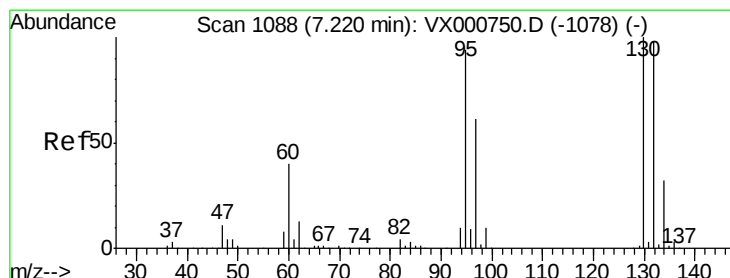
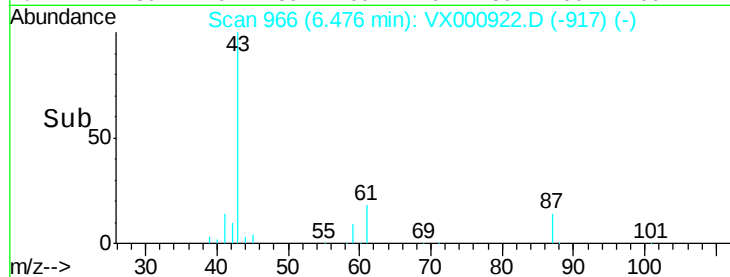
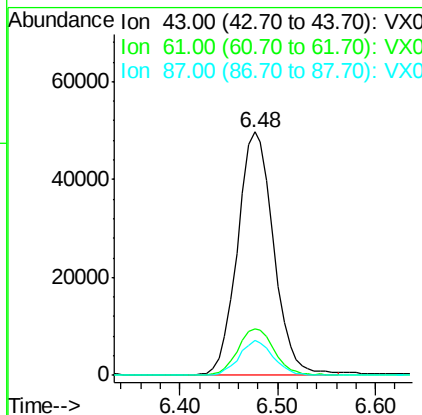
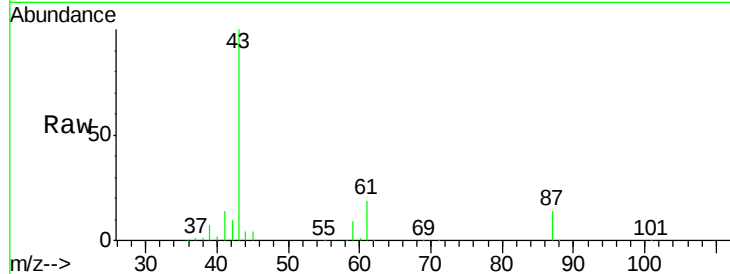
Isopropyl Acetate
 Concen: 21.34 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4
87	13.5	10.7	16.1

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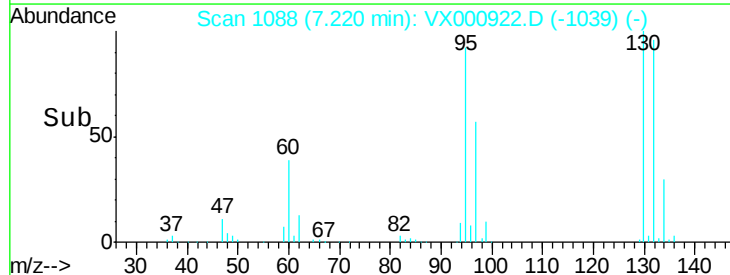
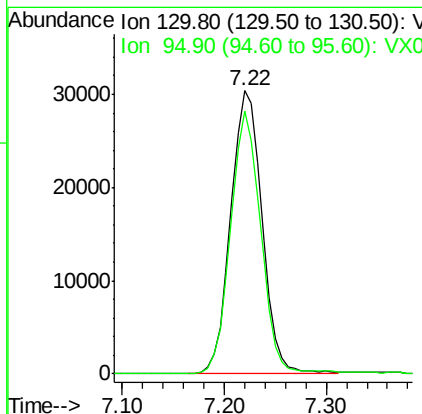
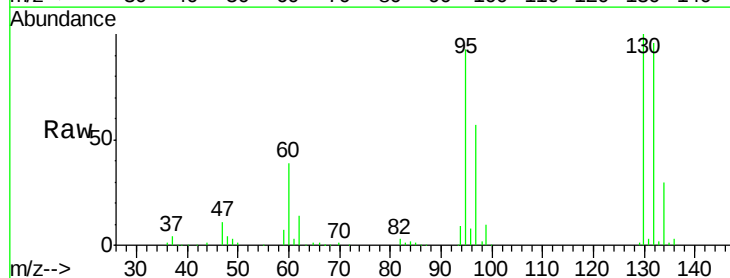
MMDadoda
 4/18/2018 2:45:07 PM

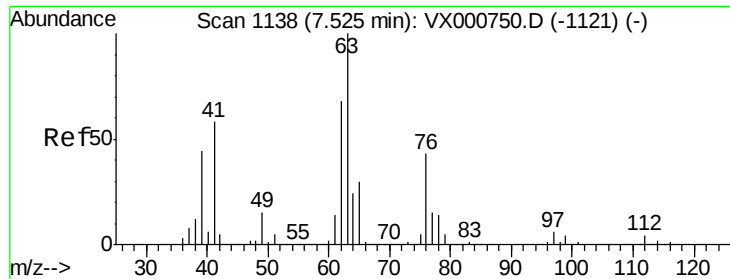


#44

Trichloroethene
 Concen: 21.17 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	187.0





#45

1,2-Dichloropropane

Concen: 21.80 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0416MBS01

Tot Ion: 63 Resp: 54659

Ion Ratio Lower Upper

63 100

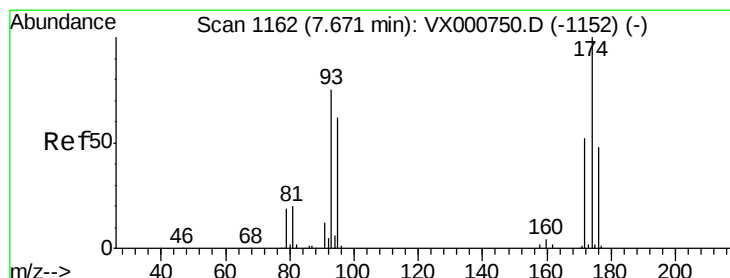
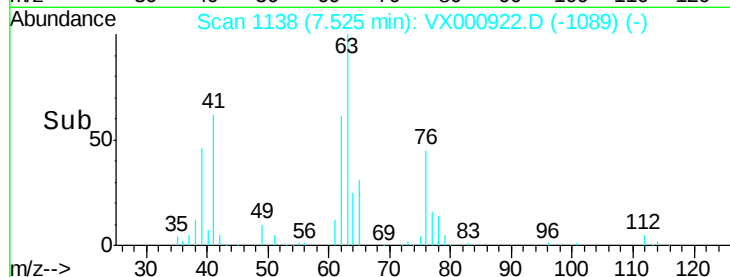
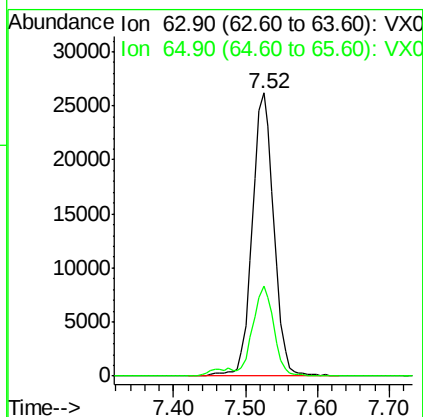
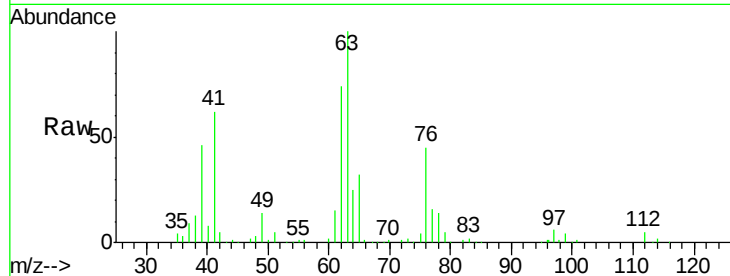
65 31.7 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.62 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

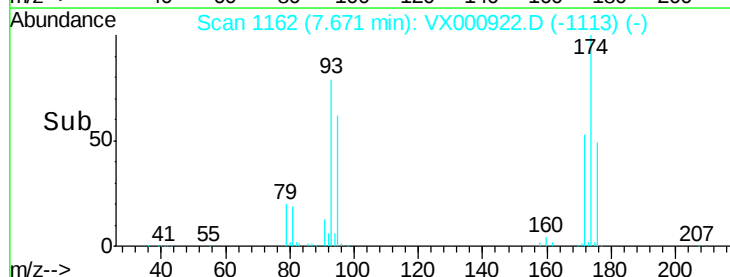
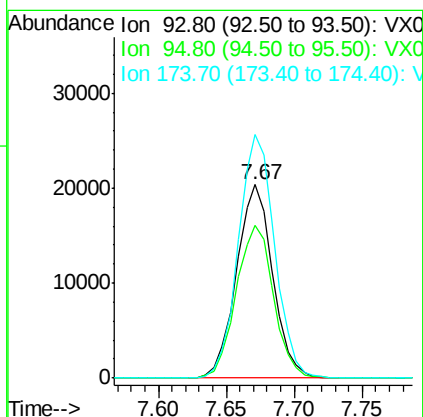
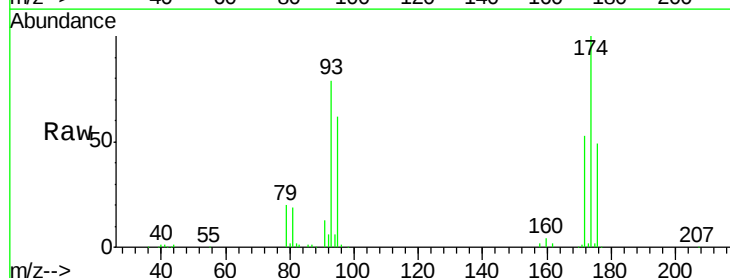
Tgt Ion: 93 Resp: 37796

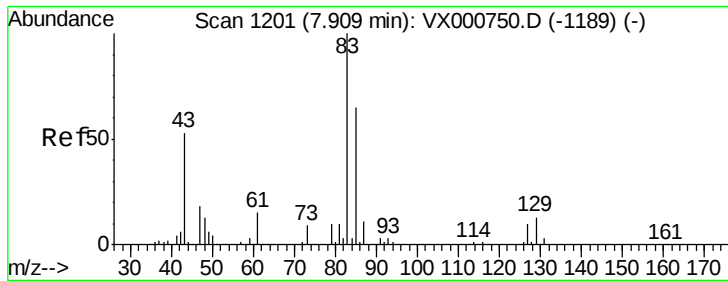
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 126.5 104.5 156.7





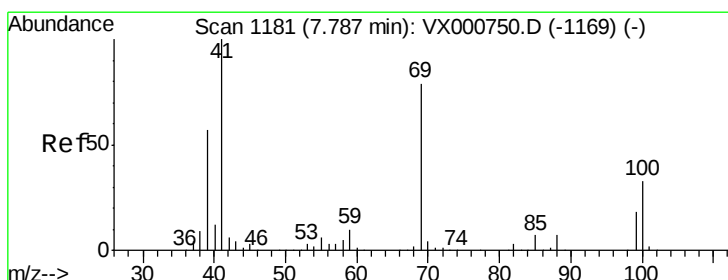
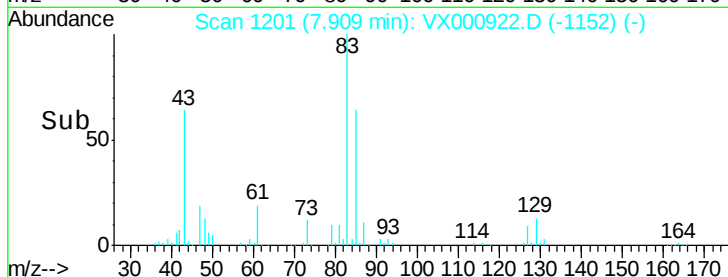
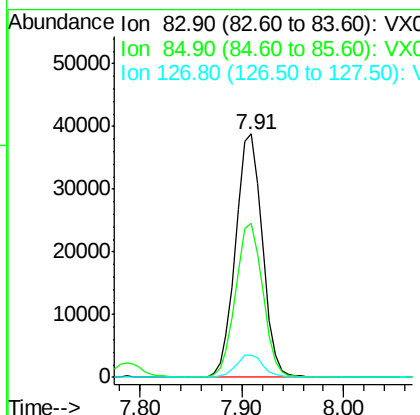
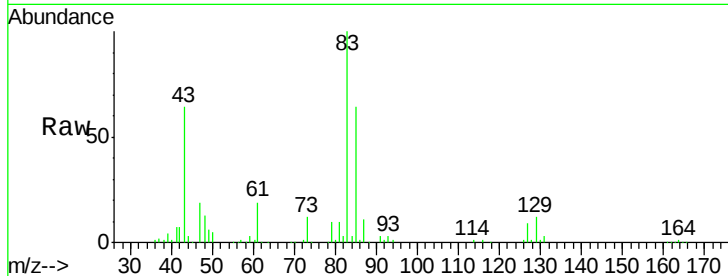
#47
Bromodichloromethane
Concen: 19.98 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	83	Resp	70499
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	9.0	7.8	11.8

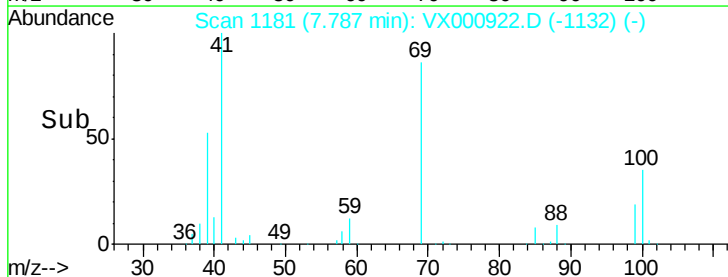
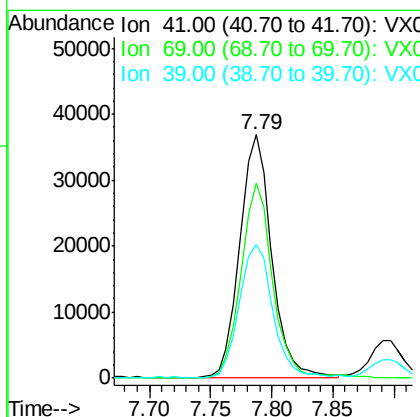
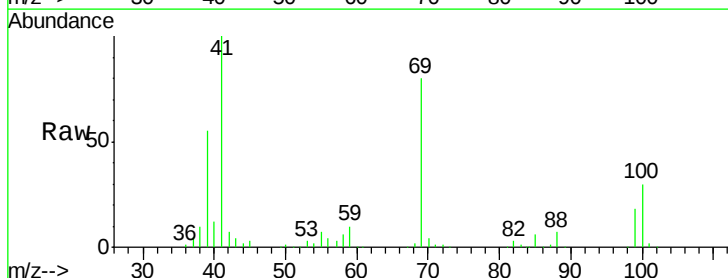
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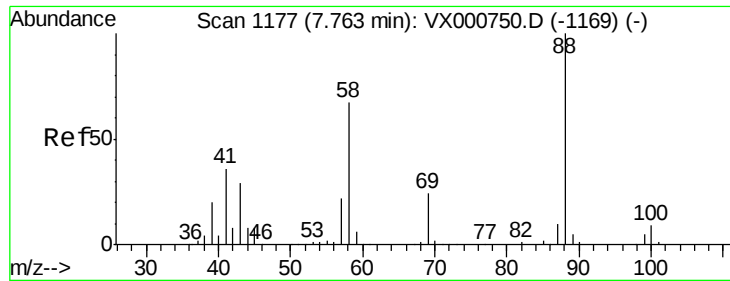
MMDadoda
4/18/2018 2:45:07 PM



#48
Methyl methacrylate
Concen: 21.70 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	41	Resp	66709
Ion Ratio	100	Lower	Upper
41	100		
69	80.8	63.9	95.9
39	57.3	45.9	68.9





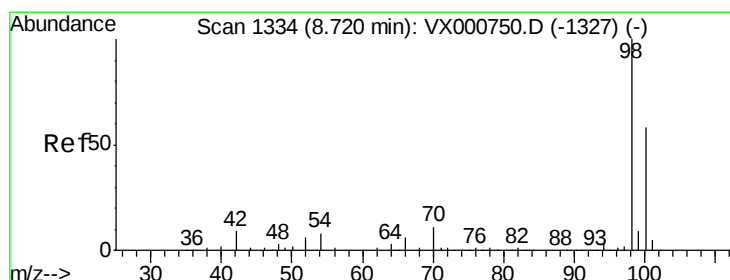
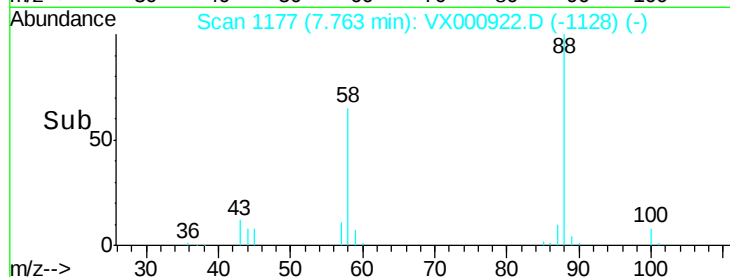
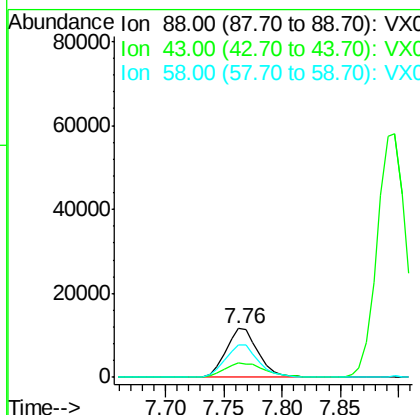
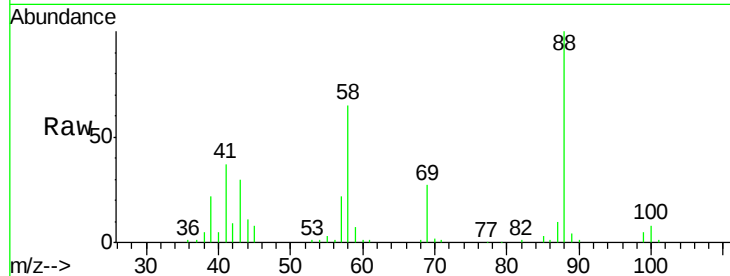
#49
1,4-Dioxane
Concen: 362.38 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.8	38.8
58	69.3	54.4	81.6

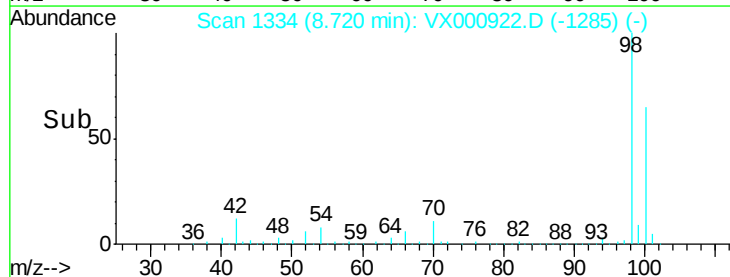
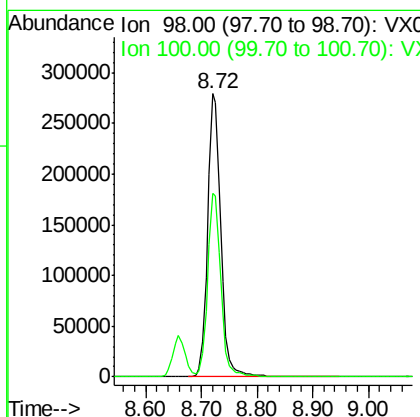
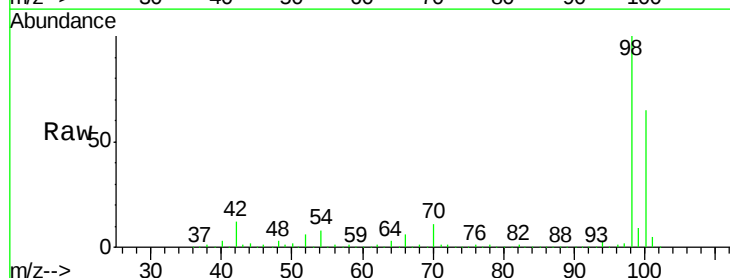
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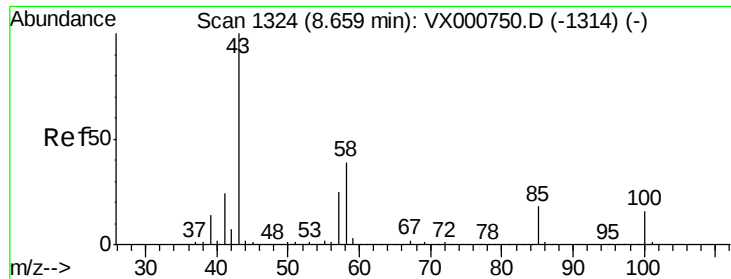
MMDadoda
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#50
Toluene-d8
Concen: 50.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 114.31 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 398204

Ion Ratio Lower Upper

43 100

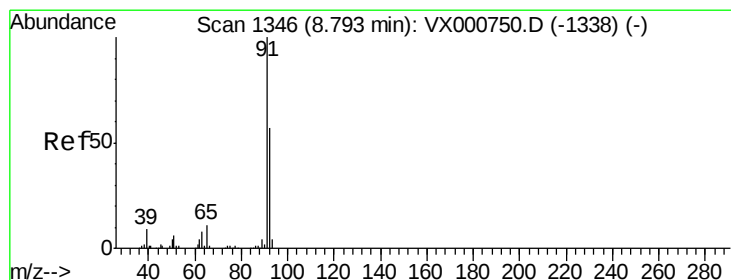
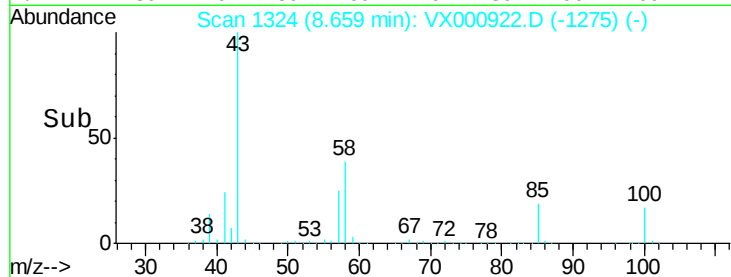
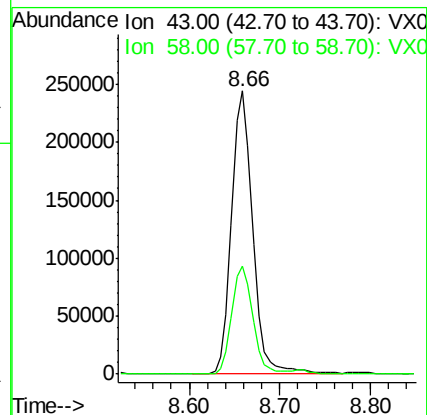
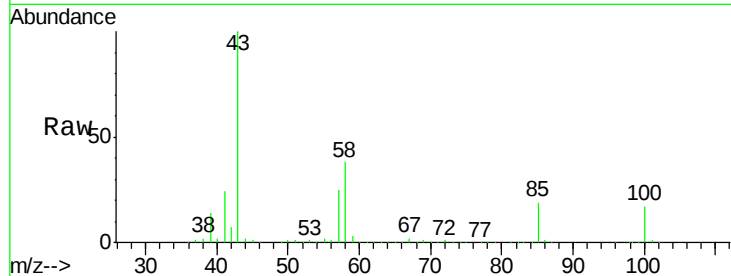
58 37.7 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 21.30 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000922.D

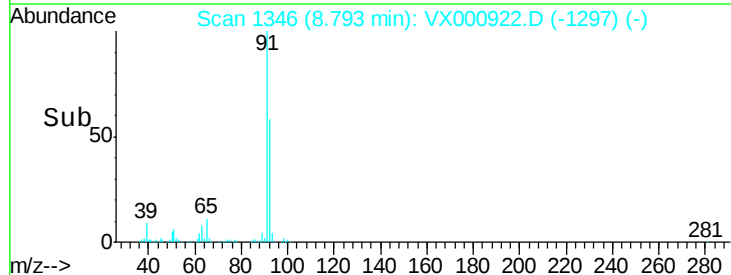
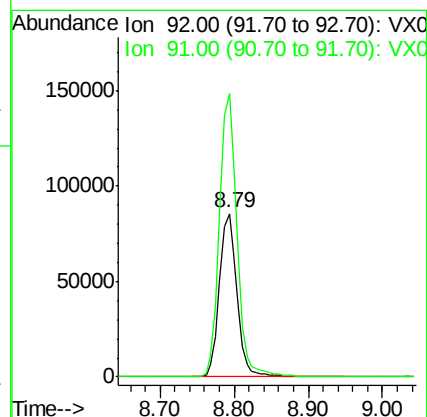
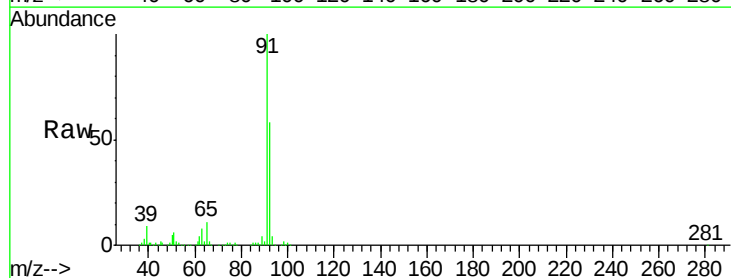
Acq: 16 Apr 2018 16:41

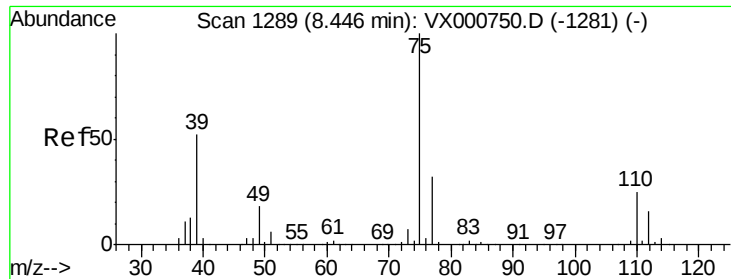
Tgt Ion: 92 Resp: 139122

Ion Ratio Lower Upper

92 100

91 173.5 139.0 208.4





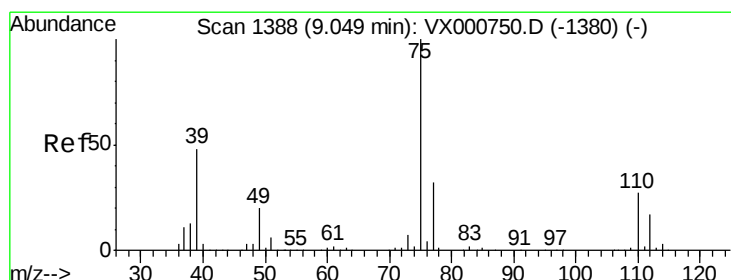
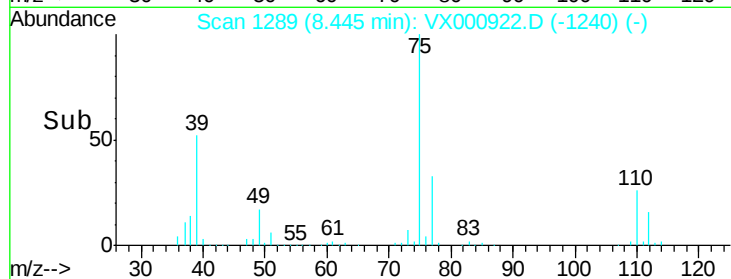
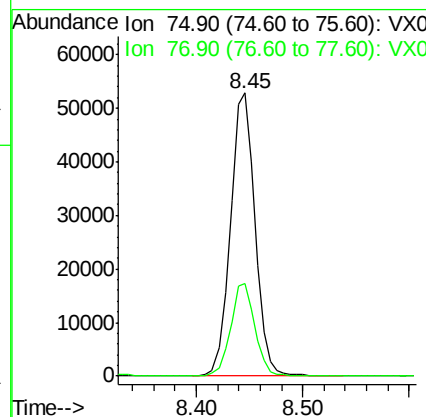
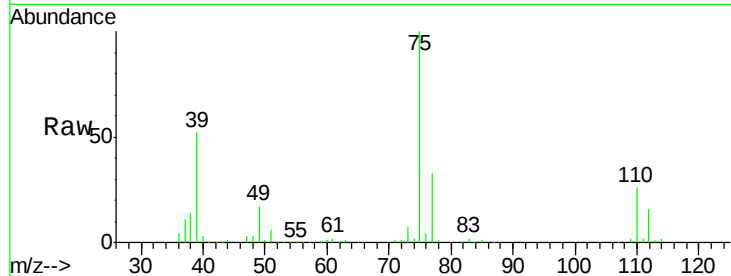
#53
t-1,3-Dichloropropene
Concen: 20.17 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion: 75 Resp: 85333
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

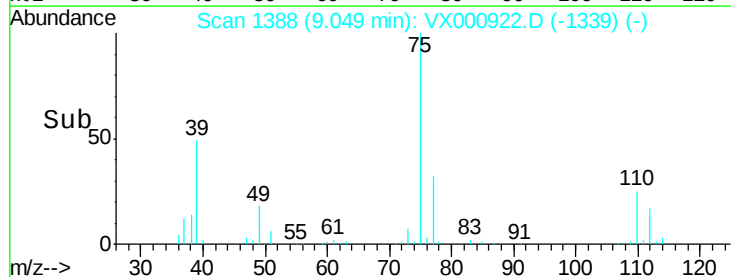
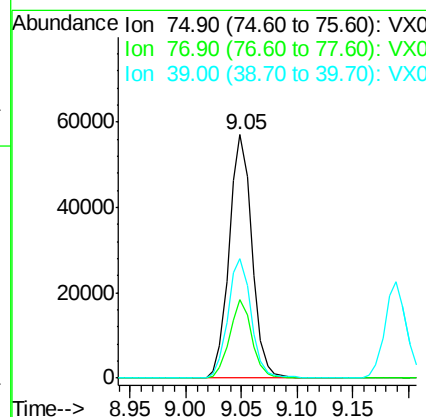
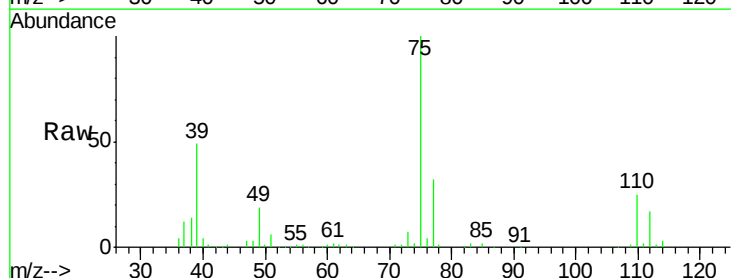
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4/18/2018 2:45:07 PM



#54
cis-1,3-Dichloropropene
Concen: 19.63 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion: 75 Resp: 80902
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2
39 49.0 38.6 58.0





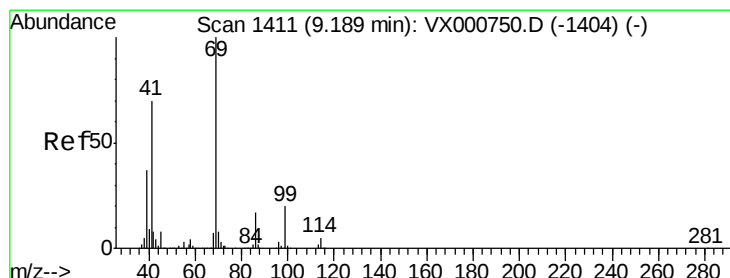
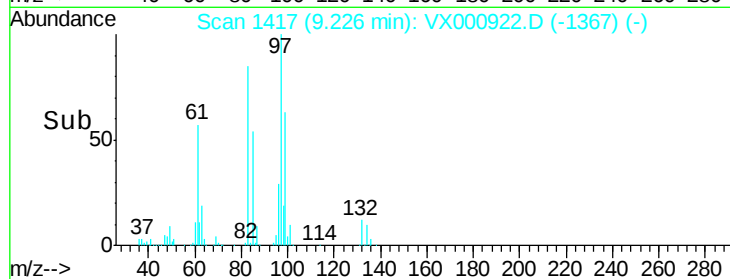
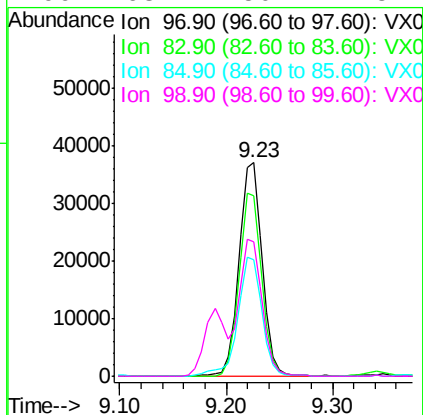
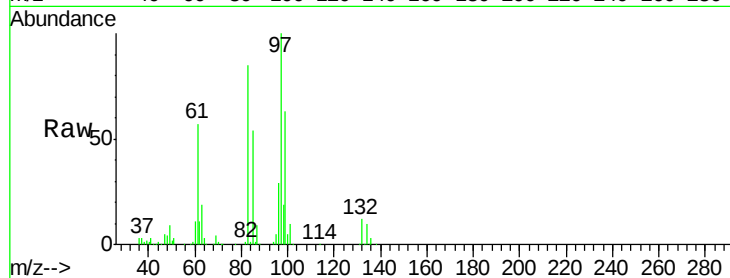
#55
 1,1,2-Trichloroethane
 Concen: 21.85 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion:	97	Resp:	56662
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.6	101.4
85	54.4	43.8	65.6
99	63.2	50.2	75.4

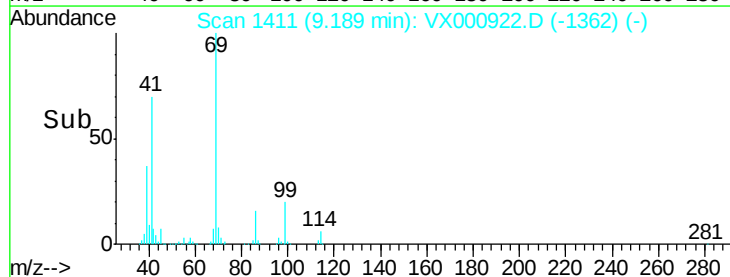
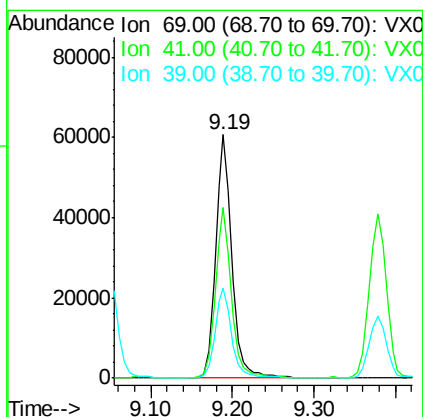
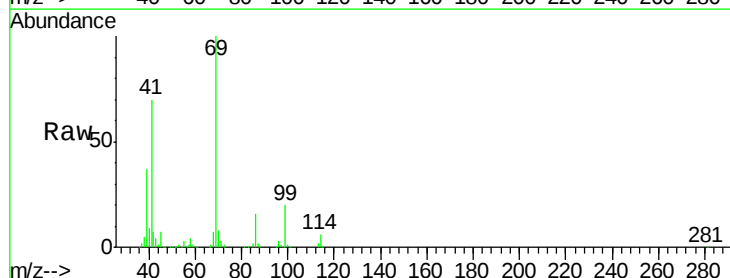
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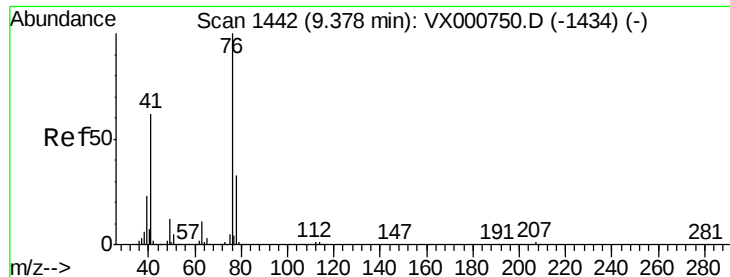
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#56
 Ethyl methacrylate
 Concen: 21.37 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion:	69	Resp:	85471
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.6	83.4
39	37.4	30.3	45.5





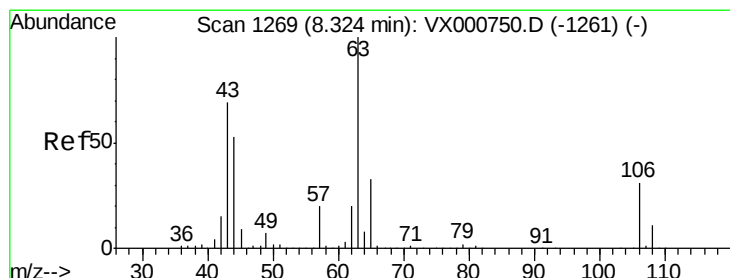
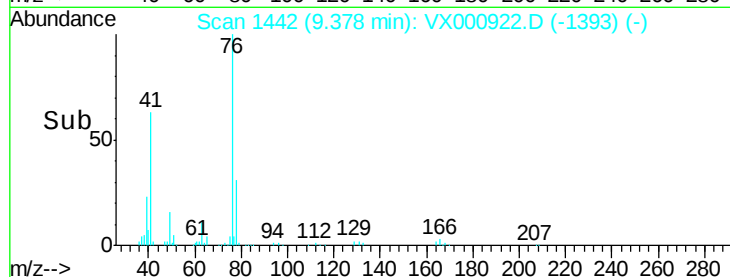
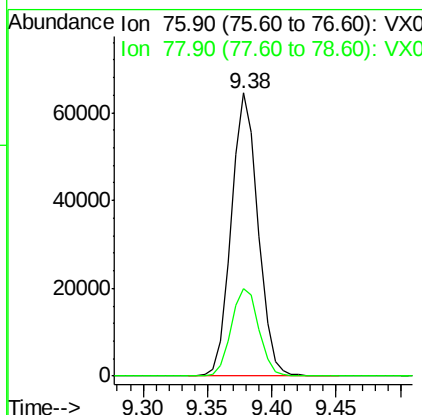
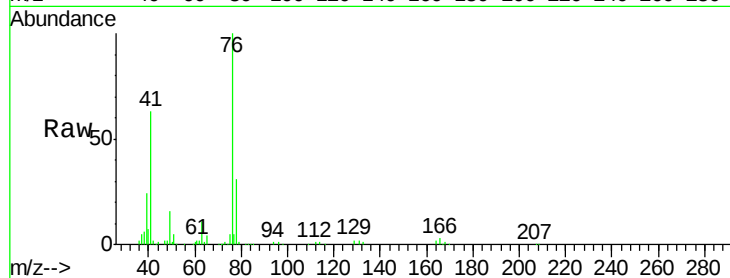
#57
 1,3-Dichloropropane
 Concen: 22.76 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

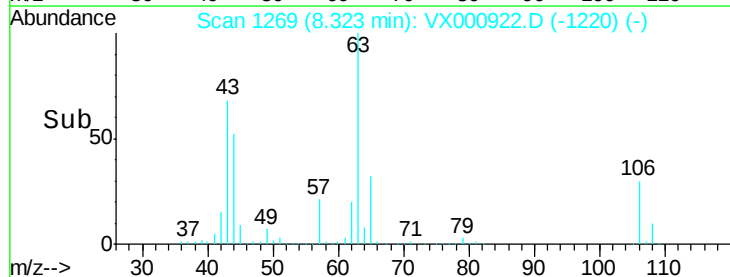
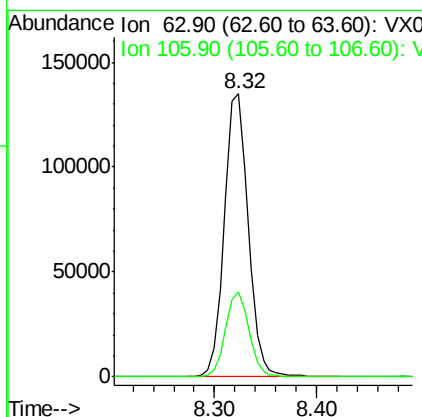
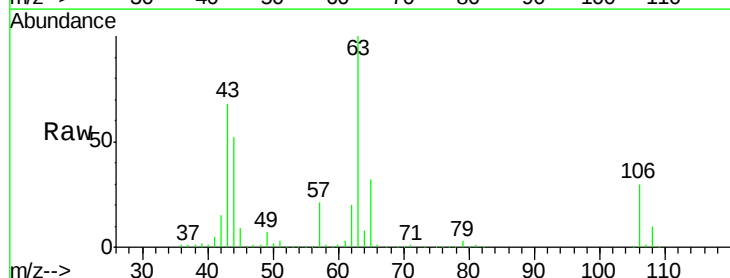
Manual Integrations
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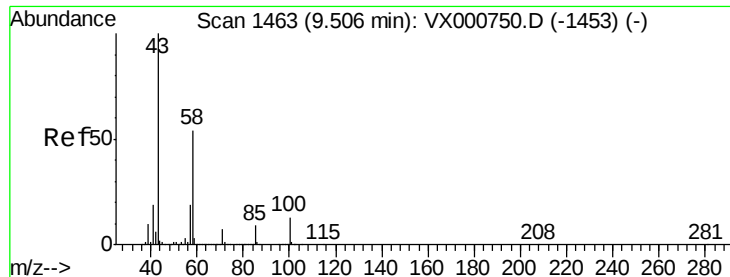
MMDadoda
 4/18/2018 2:45:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.18 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.3	36.5





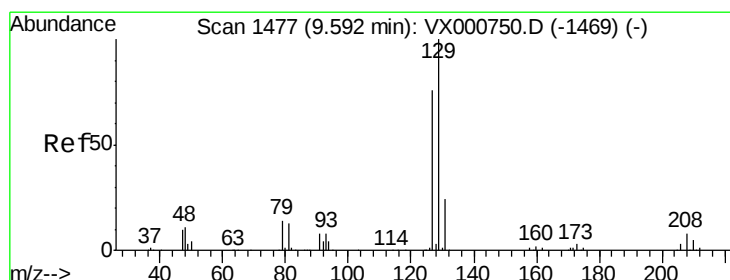
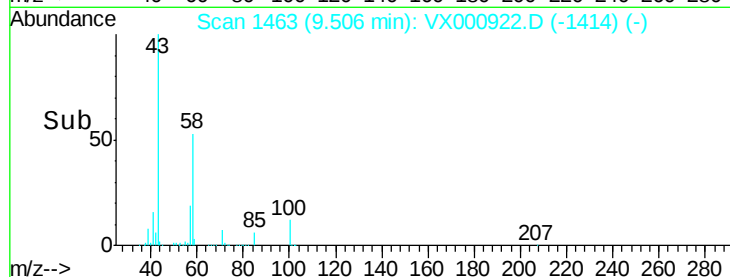
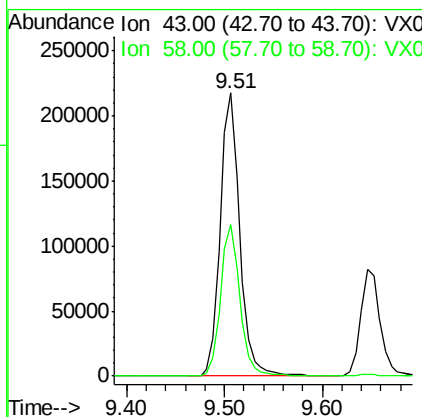
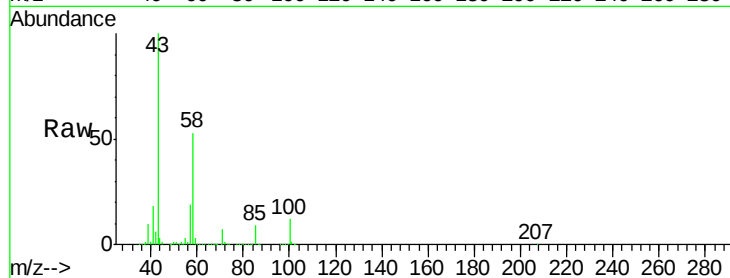
#59
2-Hexanone
Concen: 112.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

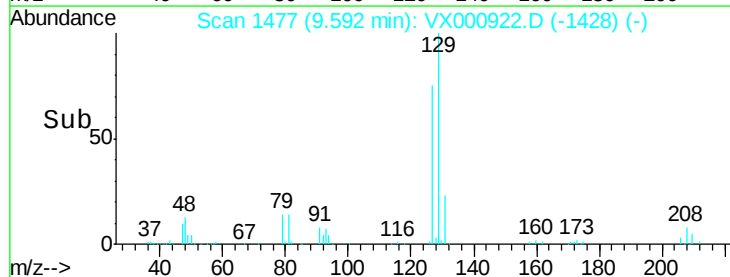
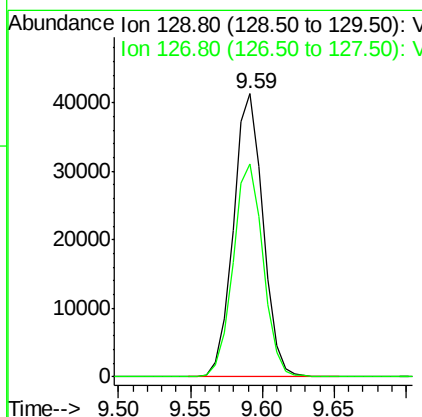
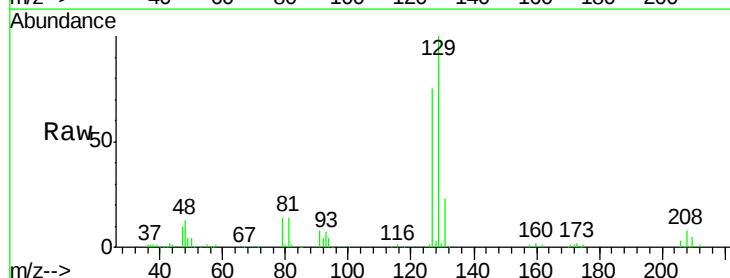
Manual Integrations
APPROVED

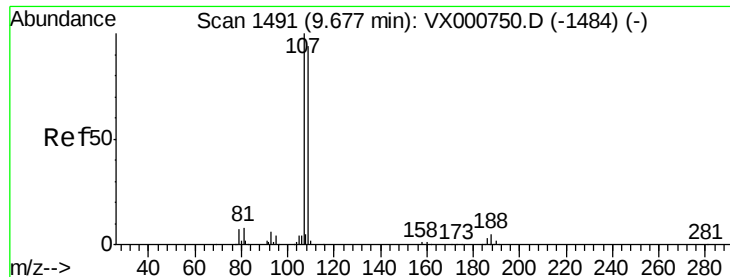
MMDadoda
4/18/2018 2:45:07 PM



#60
Dibromochloromethane
Concen: 19.14 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.1





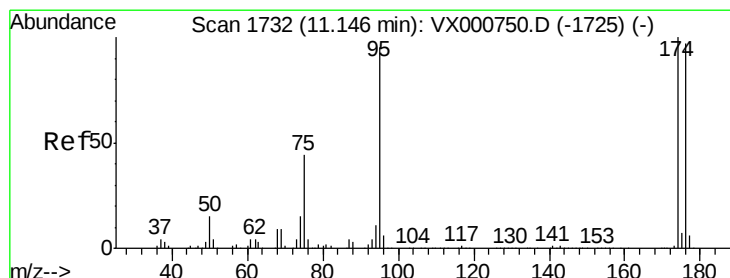
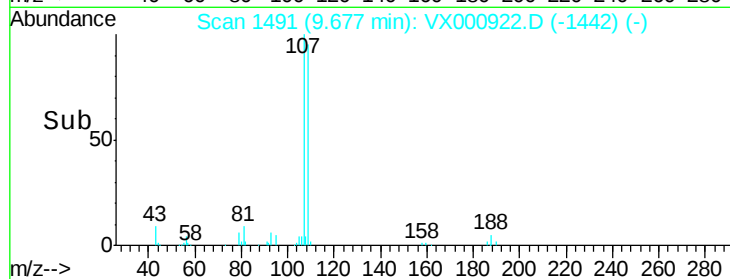
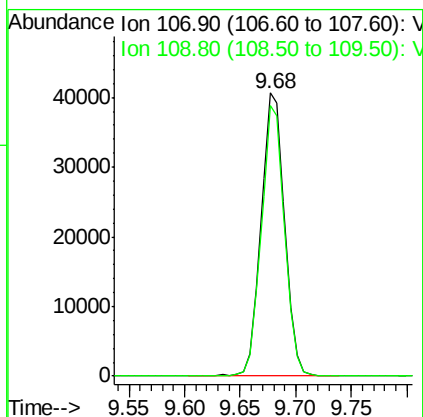
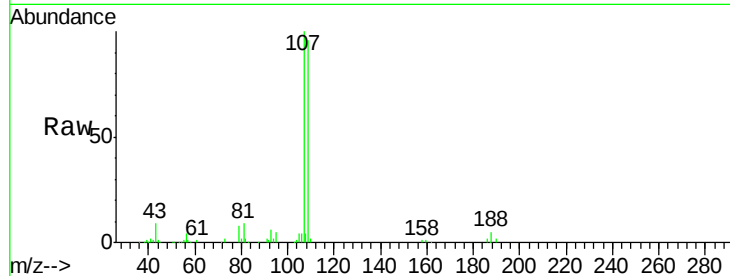
#61
 1,2-Dibromoethane
 Concen: 21.83 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion: 107 Resp: 60046
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.4

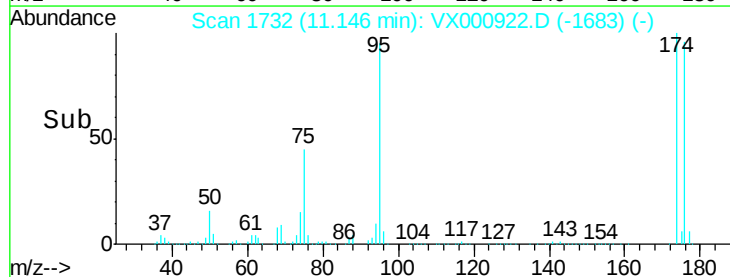
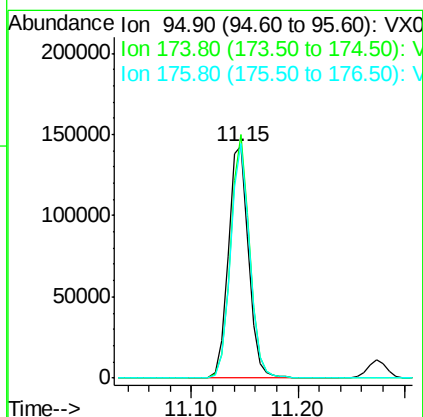
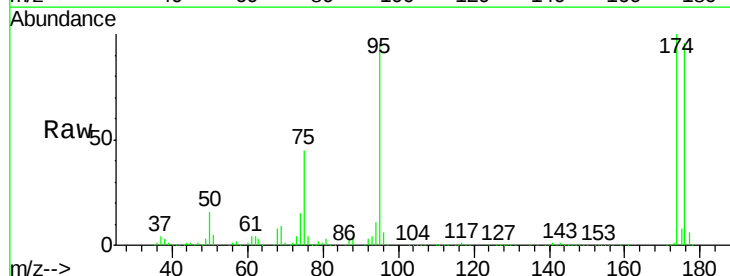
Manual Integrations
 APPROVED

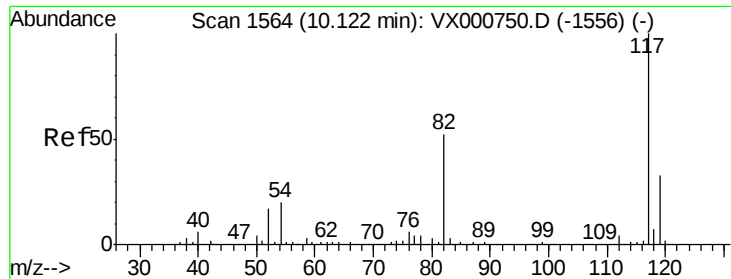
MMDadoda
 4/18/2018 2:45:07 PM



#62
 4-Bromofluorobenzene
 Concen: 49.89 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion: 95 Resp: 190509
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 198.4
 176 95.7 0.0 194.4





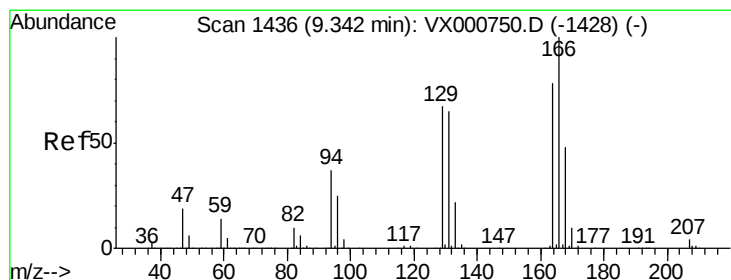
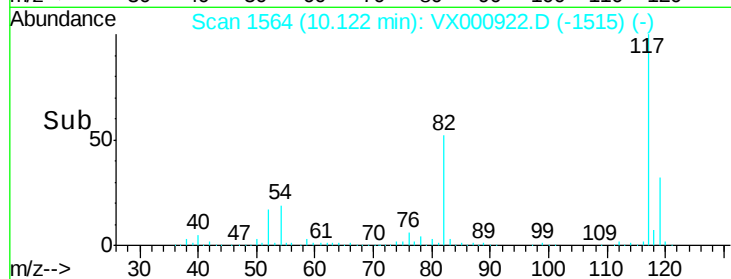
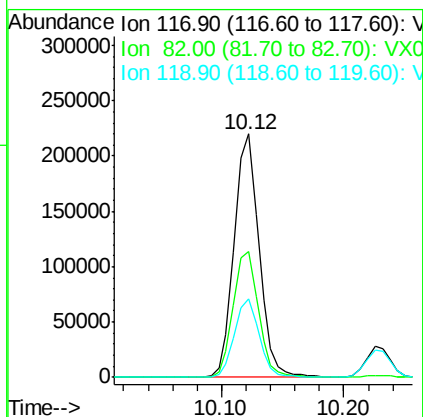
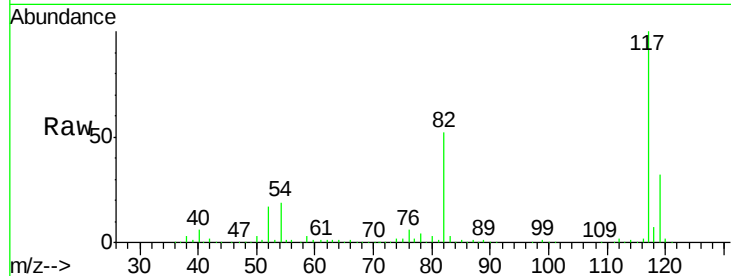
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.9	62.9
119	32.2	26.0	39.0

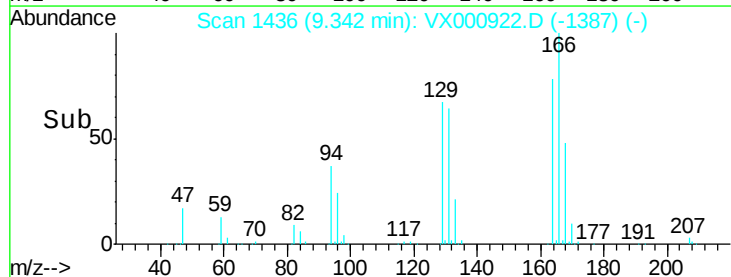
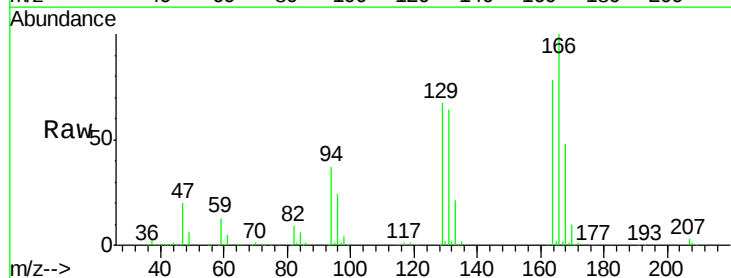
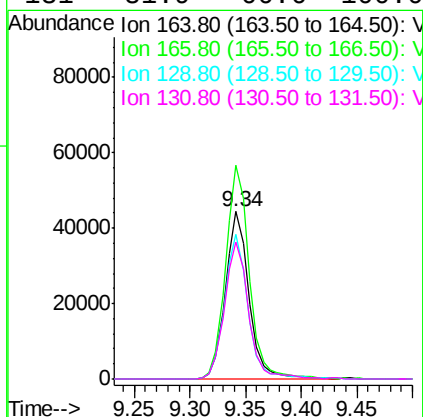
Manual Integrations
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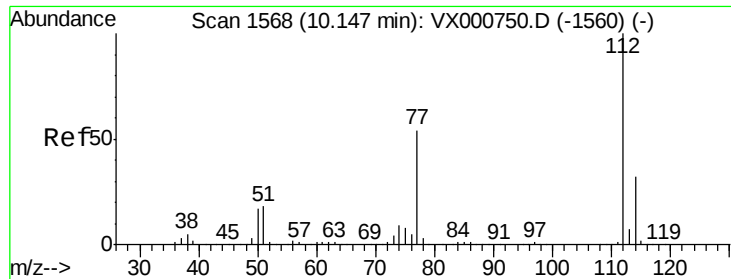
MMDadoda
4/18/2018 2:45:07 PM



#64
Tetrachloroethene
Concen: 21.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.8	154.2
129	85.9	68.5	102.7
131	81.9	66.6	100.0





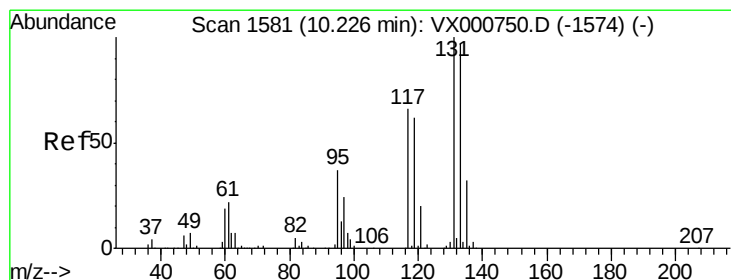
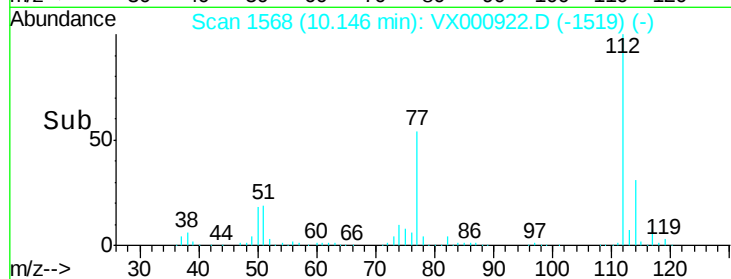
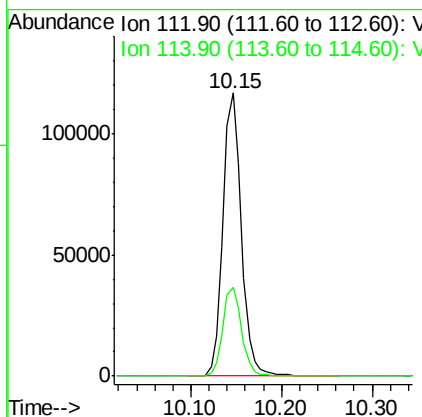
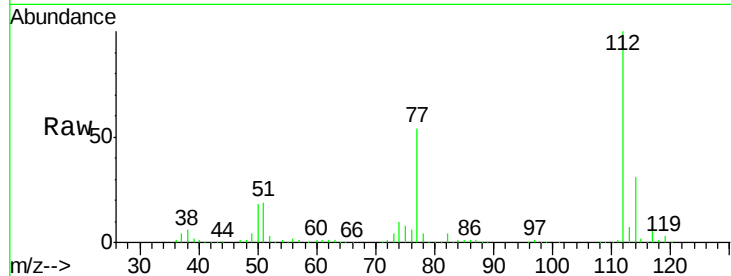
#65
Chlorobenzene
Concen: 21.25 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion:112 Resp: 165491
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

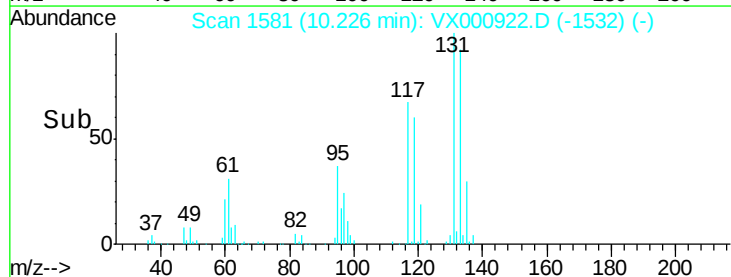
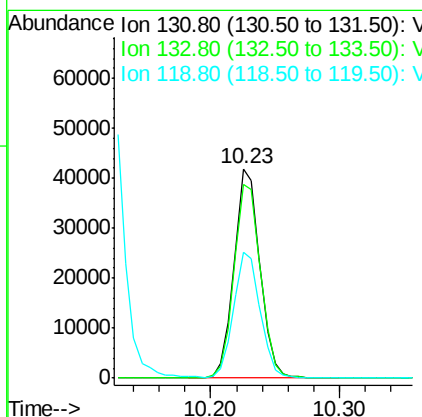
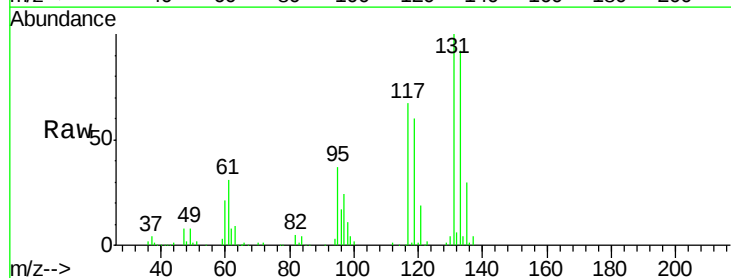
Manual Integrations
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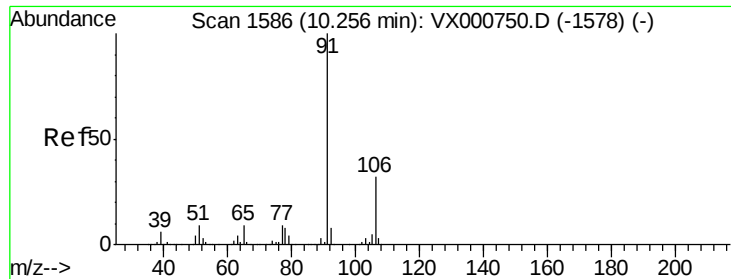
MMDadoda
4/18/2018 2:45:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.02 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion:131 Resp: 58672
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.9
119 61.8 31.4 94.0





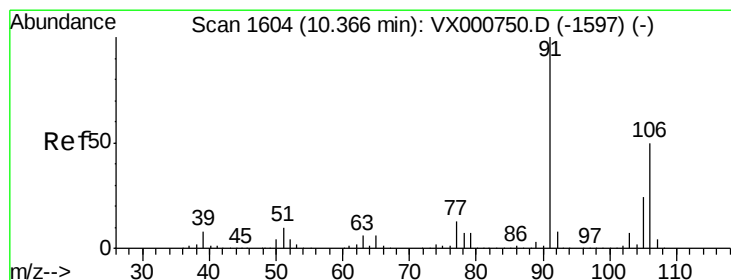
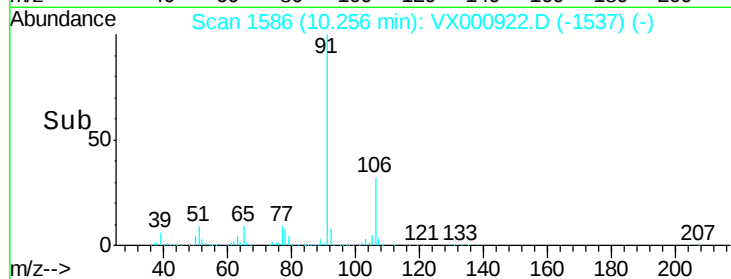
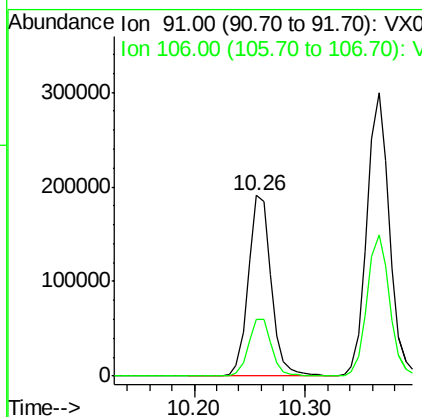
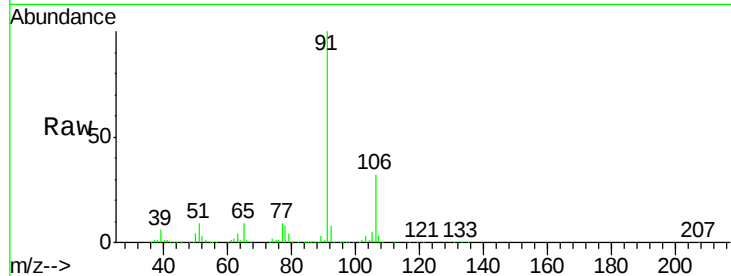
#67
Ethyl Benzene
Concen: 20.95 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion: 91 Resp: 271899
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

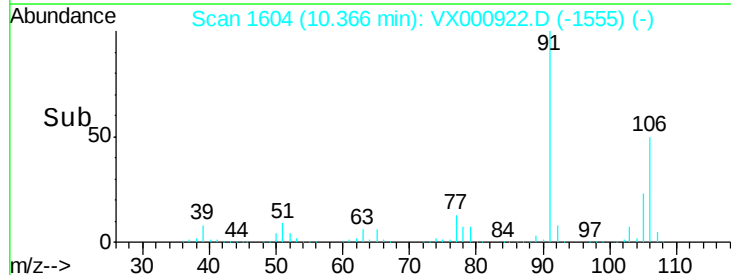
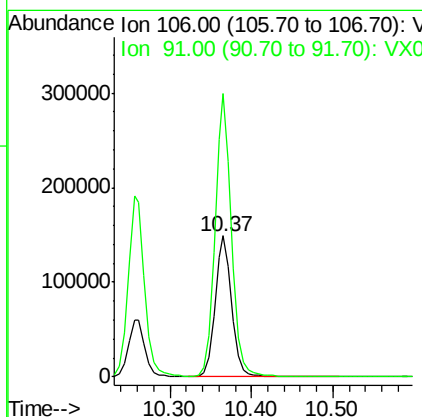
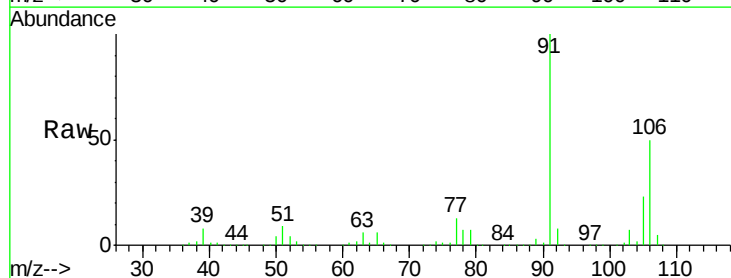
Manual Integrations
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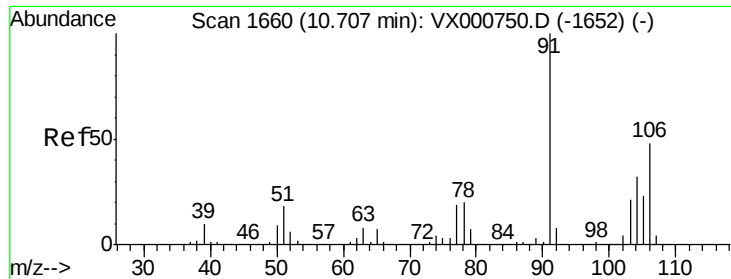
MMDadoda
4/18/2018 2:45:07 PM



#68
m/p-Xylenes
Concen: 41.82 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion: 106 Resp: 214260
Ion Ratio Lower Upper
106 100
91 198.4 159.3 238.9





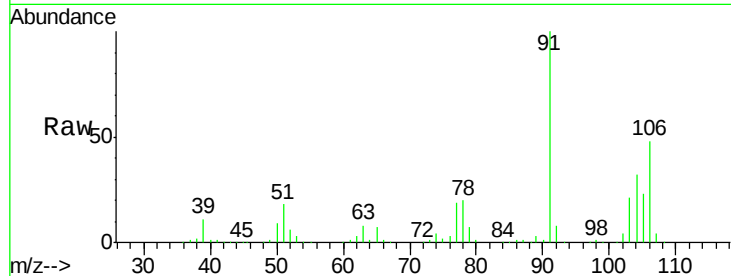
#69
o-Xylene
Concen: 20.82 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0416MBS01

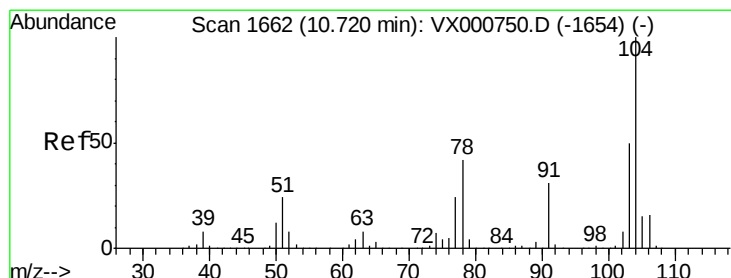
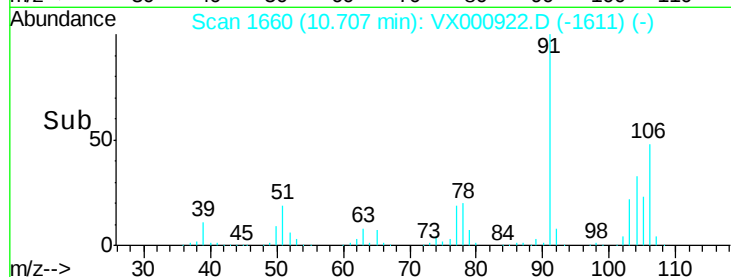
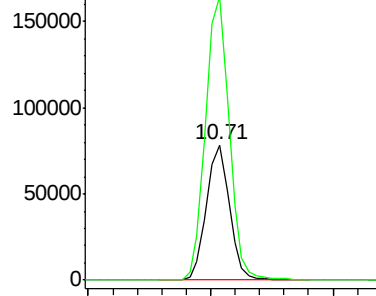
Tot Ion:106 Resp: 102840
Ion Ratio Lower Upper
106 100
91 214.2 105.0 315.0

Manual Integrations
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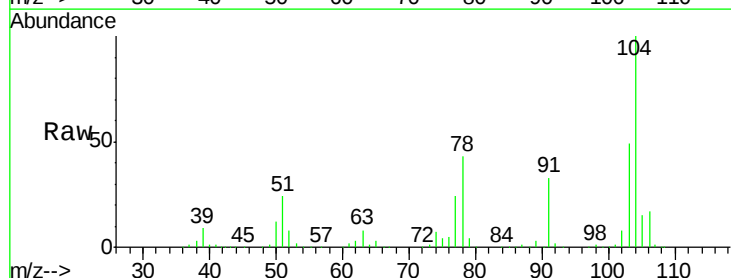


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

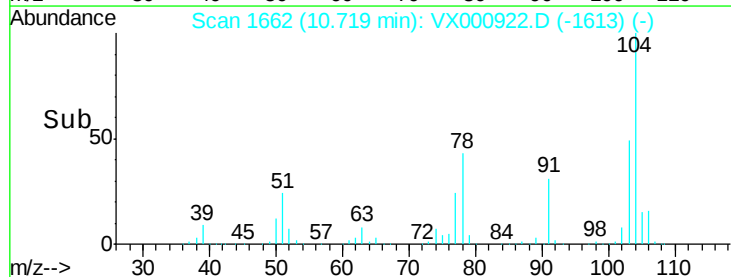
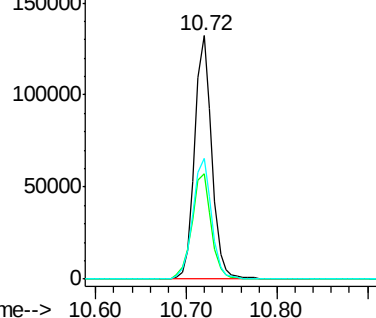


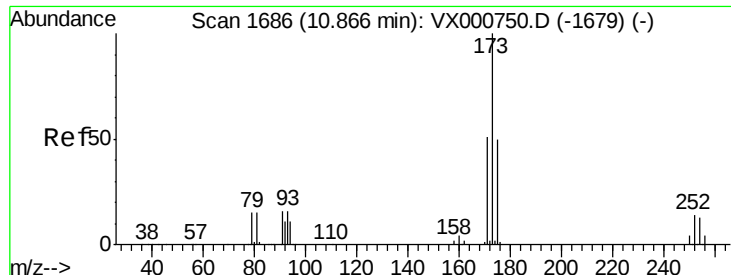
#70
Styrene
Concen: 20.95 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion:104 Resp: 174441
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 54.7 44.1 66.1



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





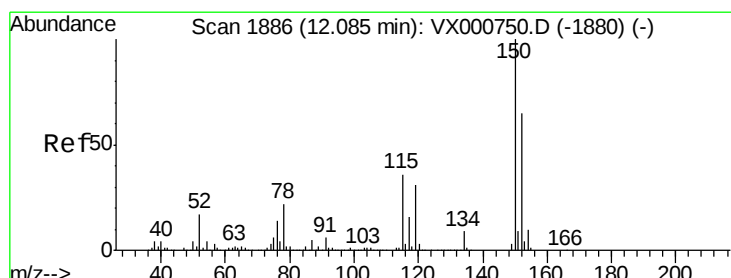
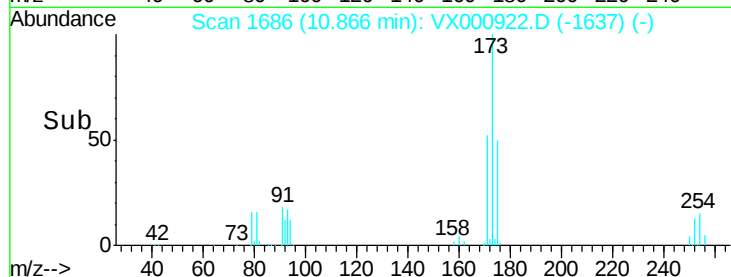
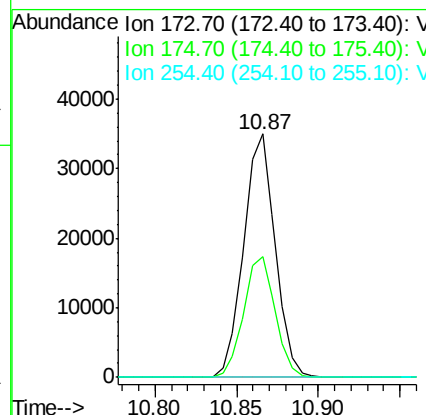
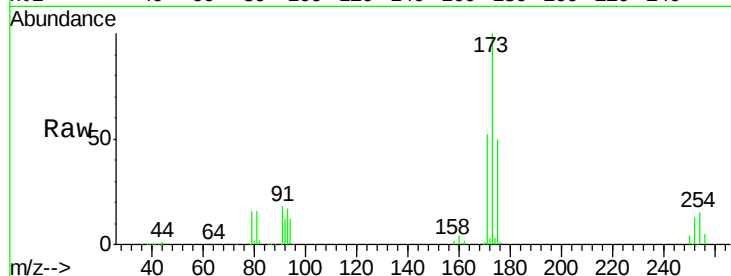
#71
Bromoform
Concen: 17.36 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.0	0.2	0.2

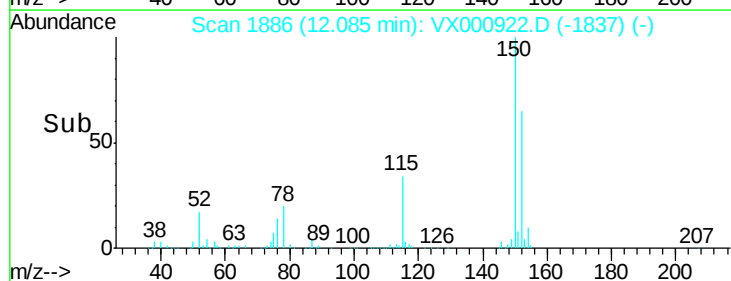
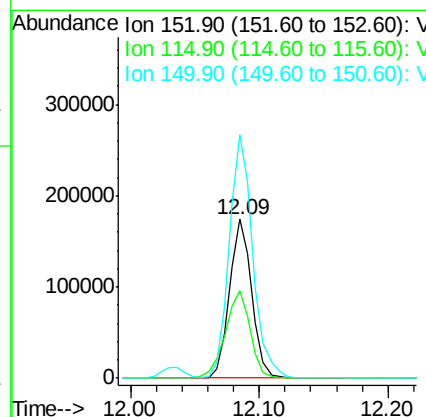
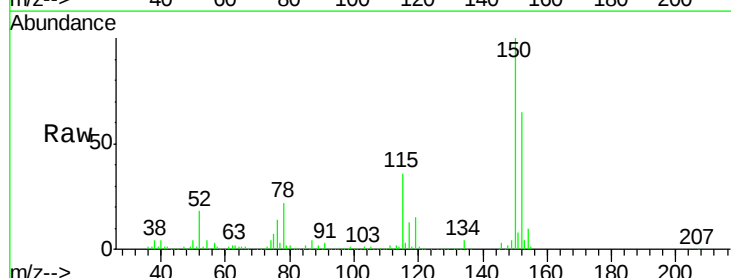
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	37.9	113.7
150	162.1	0.0	348.0





#73

Isopropylbenzene

Concen: 21.03 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 105 Resp: 281521

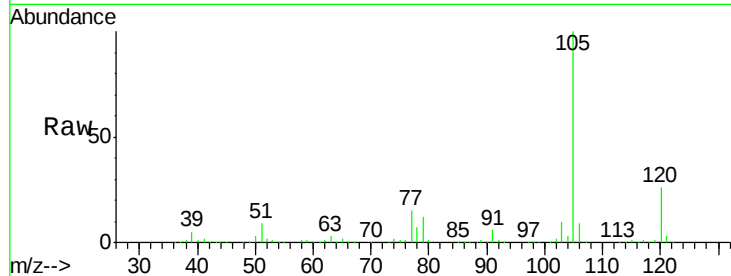
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

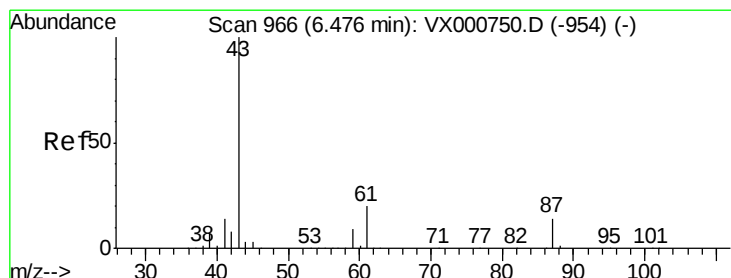
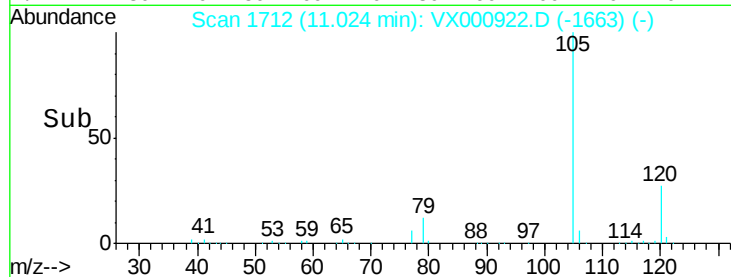
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.99 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion: 43 Resp: 126555

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.6 15.6 23.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

40000

20000

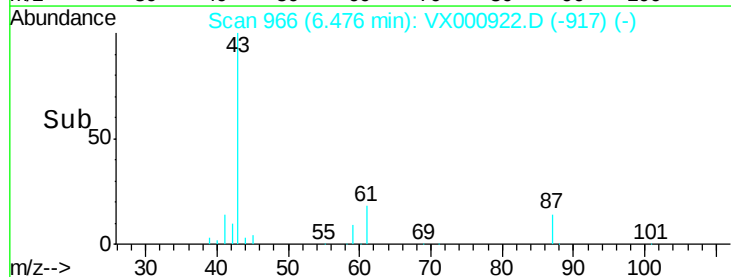
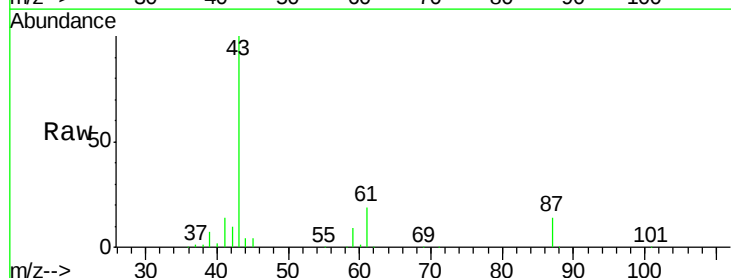
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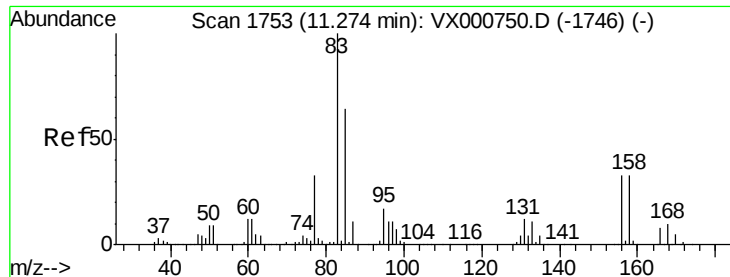
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.47 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 83 Resp: 83438

Ion Ratio Lower Upper

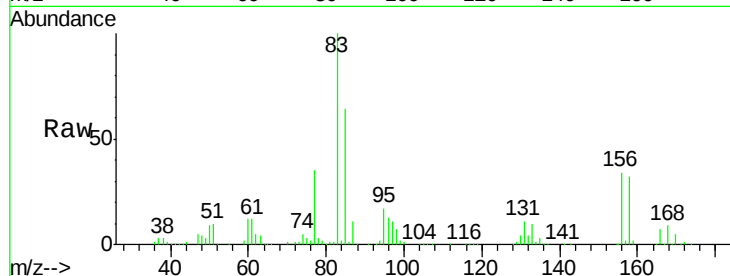
83 100

131 11.9 6.0 18.0

85 65.6 32.3 96.8

Manual Integrations
APPROVED

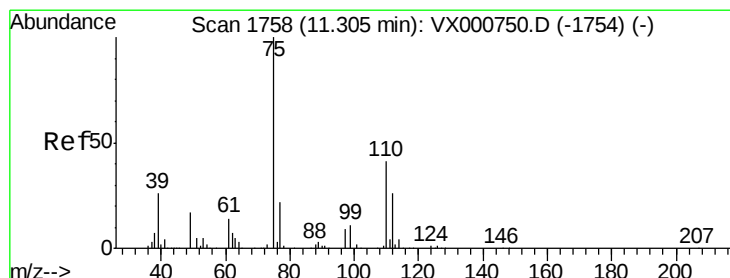
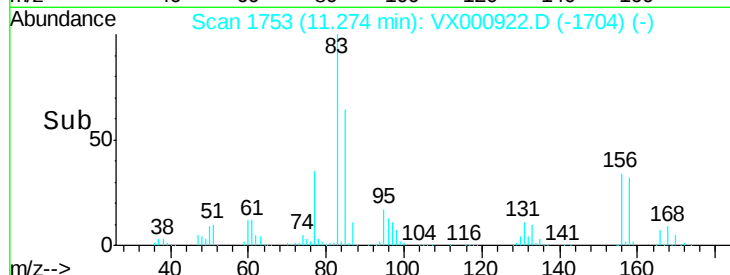
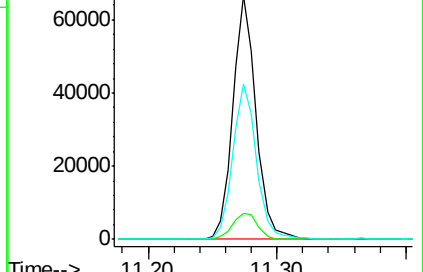
MMDadoda
4/18/2018 2:45:07 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.91 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000922.D

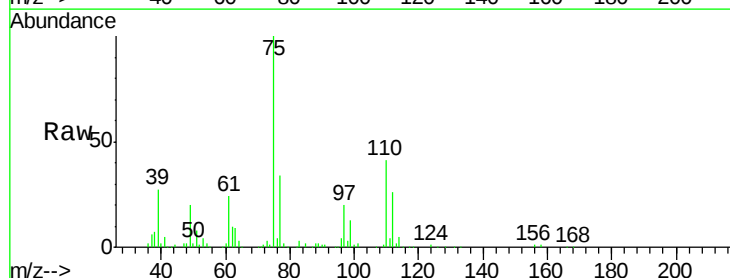
Acq: 16 Apr 2018 16:41

Tgt Ion: 75 Resp: 87041

Ion Ratio Lower Upper

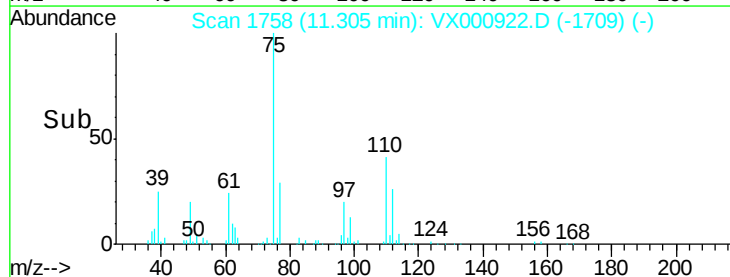
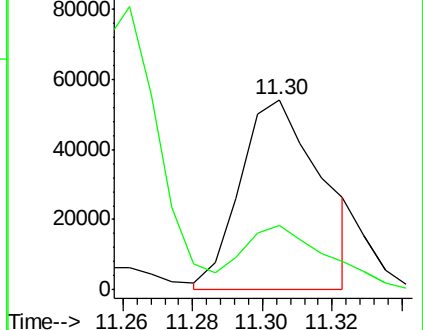
75 100

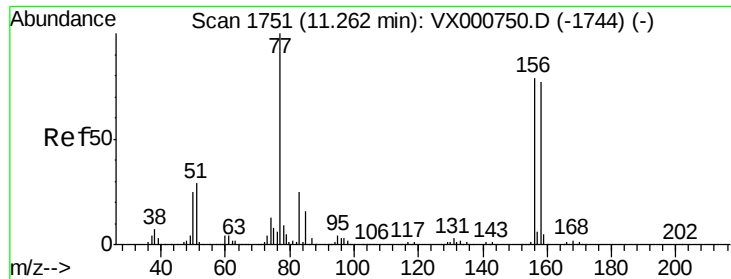
77 35.3 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.83 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:156 Resp: 81742

Ion Ratio Lower Upper

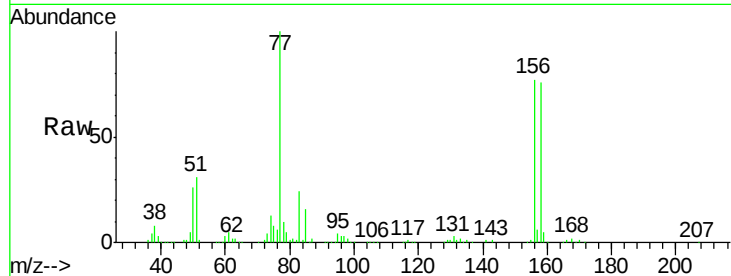
156 100

77 132.8 66.0 198.2

158 97.5 48.8 146.4

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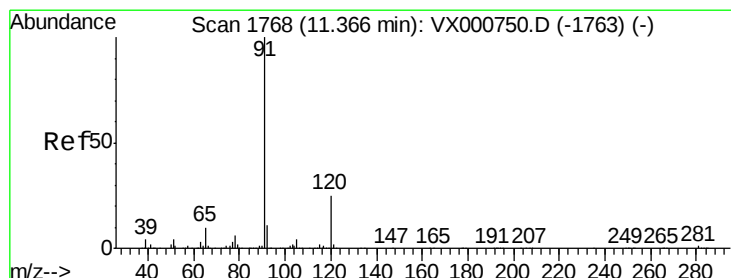
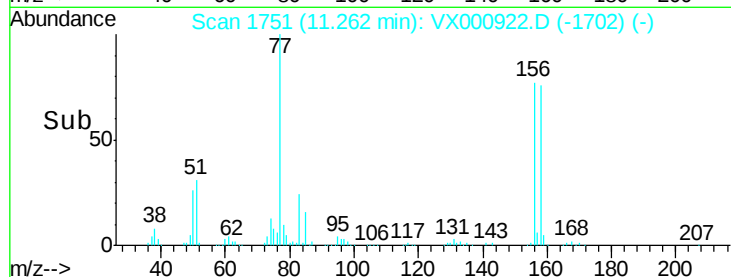
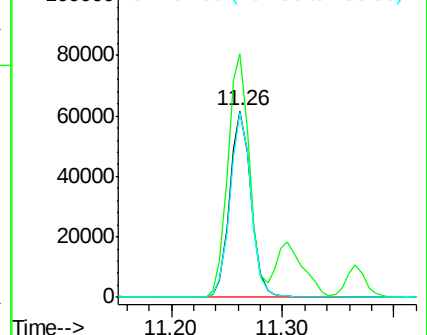
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.66 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000922.D

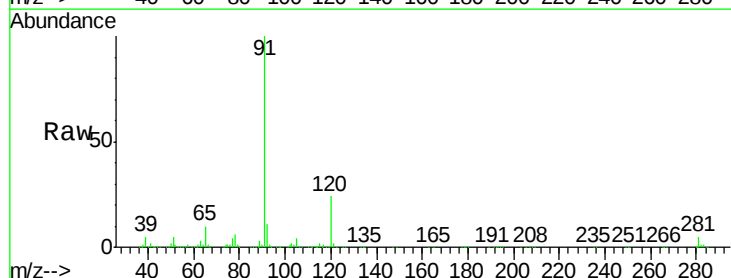
Acq: 16 Apr 2018 16:41

Tgt Ion: 91 Resp: 316401

Ion Ratio Lower Upper

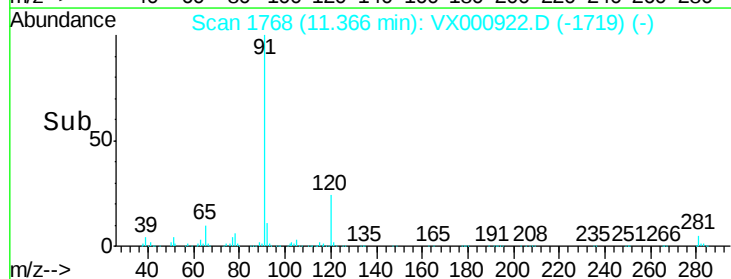
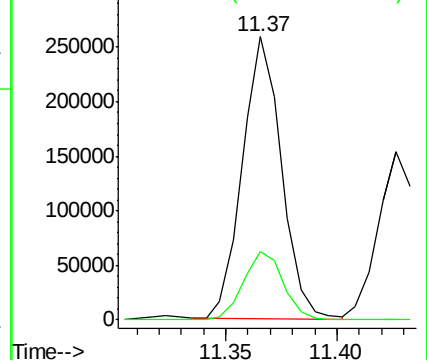
91 100

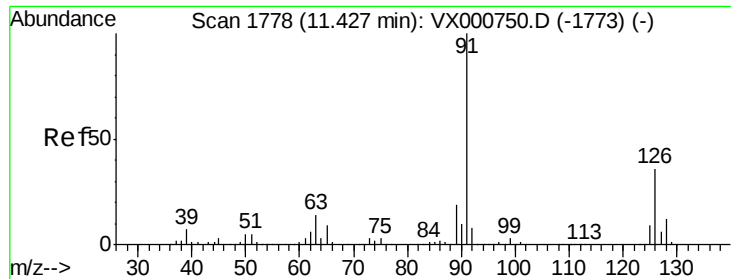
120 25.1 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





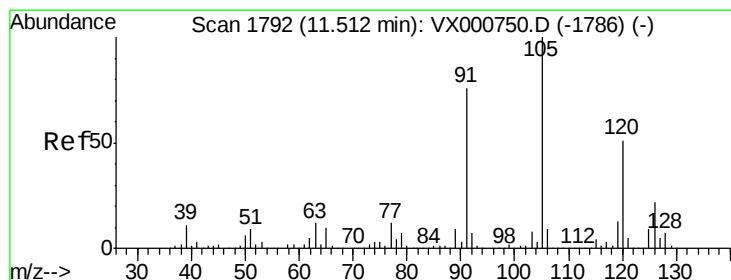
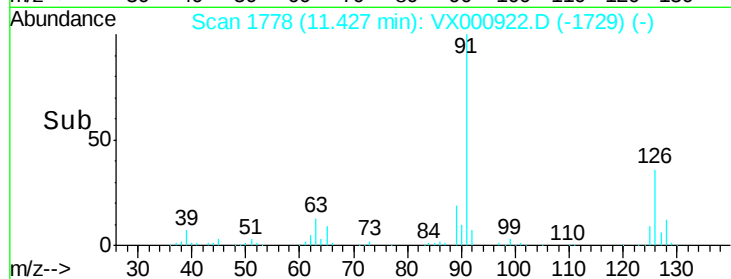
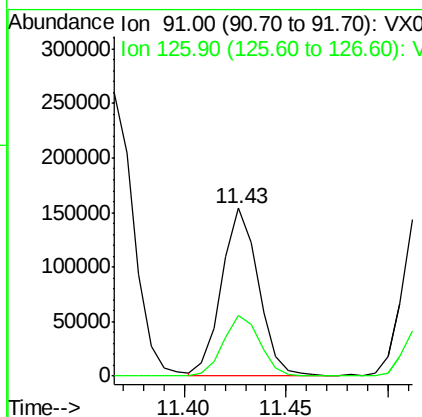
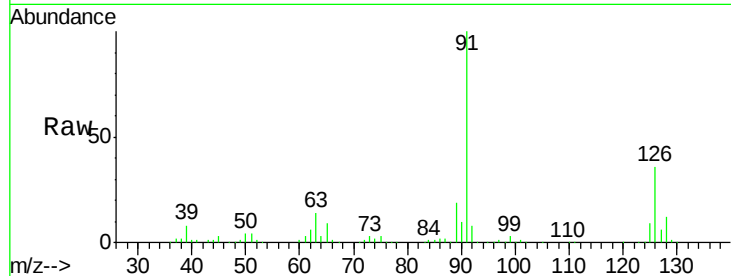
#79
 2-Chlorotoluene
 Concen: 20.95 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.3	54.9

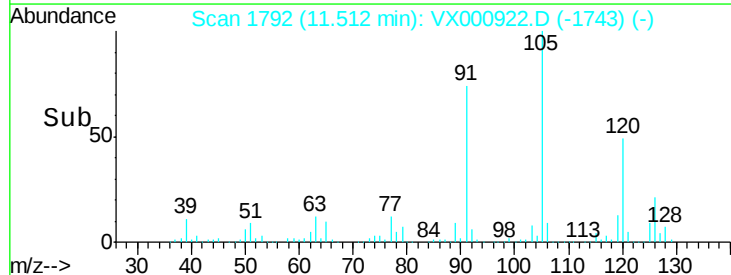
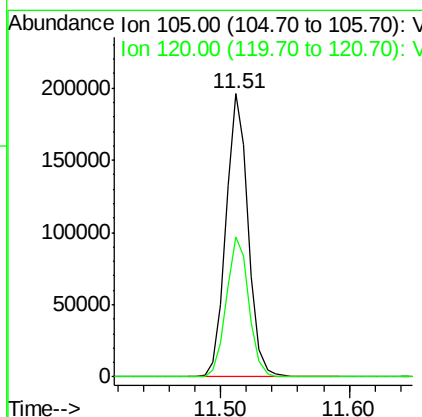
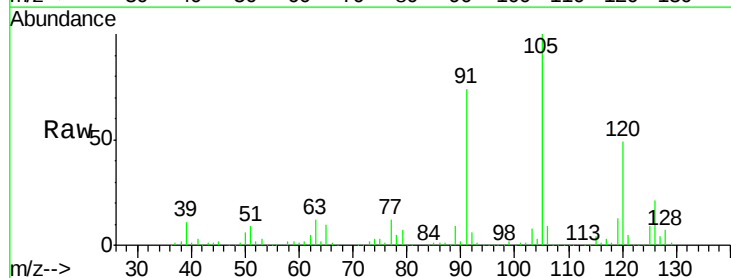
Manual Integrations
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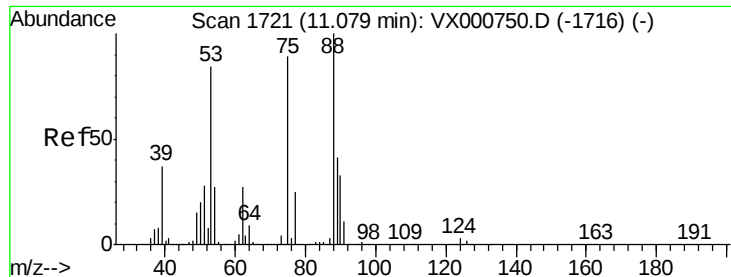
MMDadoda
 4/18/2018 2:45:07 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.54 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	25.0	75.0





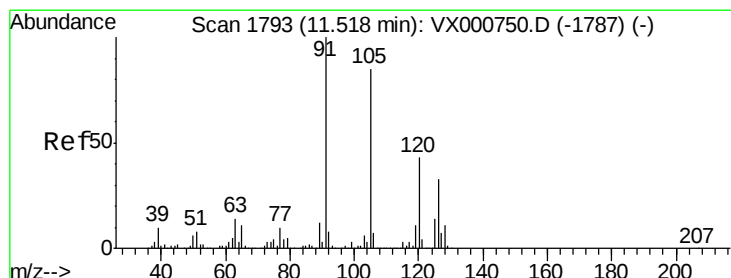
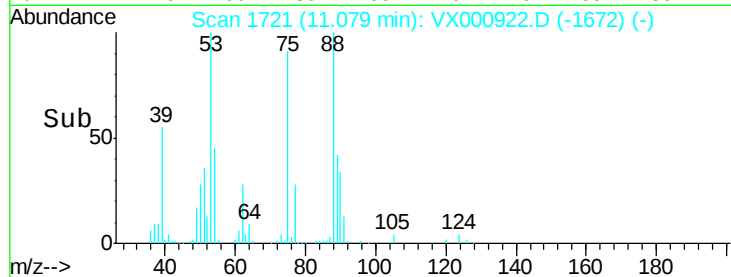
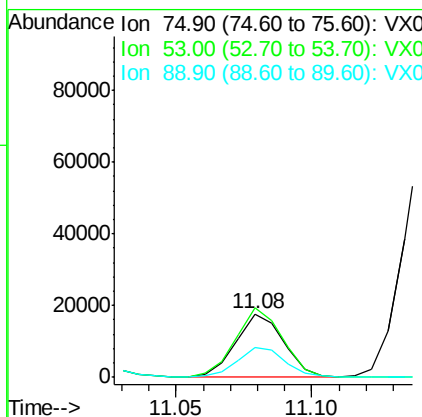
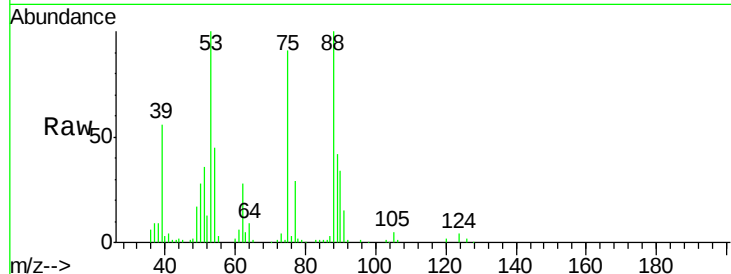
#81
trans-1,4-Dichloro-2-butene
Concen: 15.96 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	75.4	113.0
89	49.7	40.9	61.3

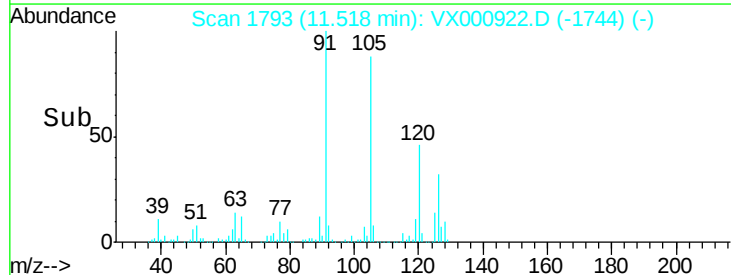
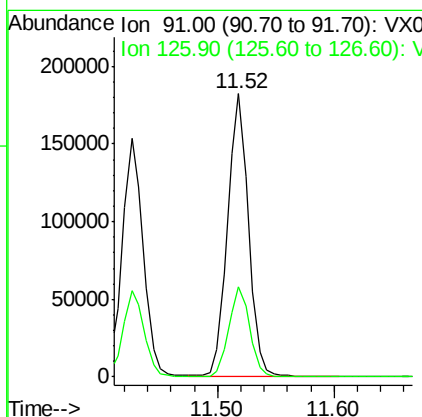
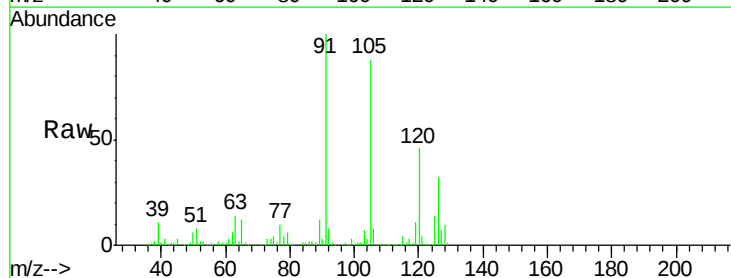
Manual Integrations
APPROVED

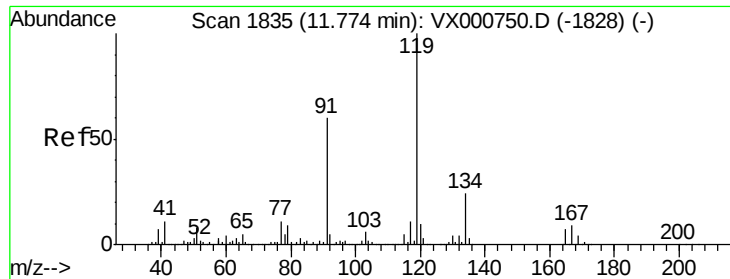
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.89 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.6





#83

tert-Butylbenzene

Concen: 20.42 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

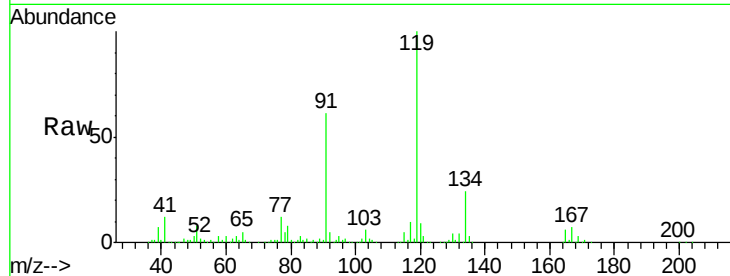
ClientSampleId :

VX0416MBS01

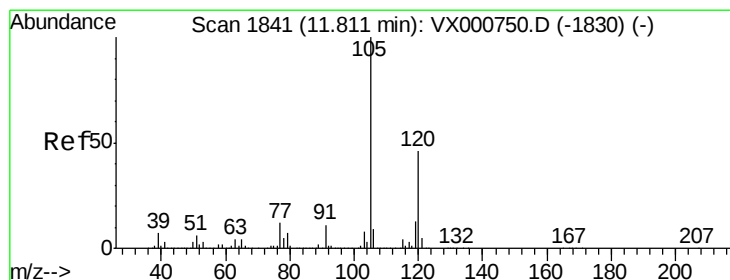
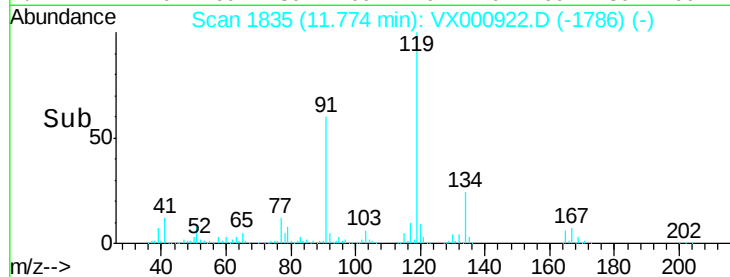
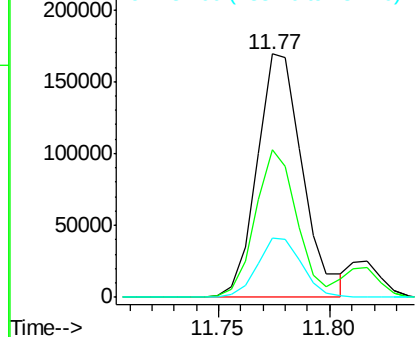
Tot Ion:	119	Resp:	240565
Ion Ratio	Lower	Upper	
119	100		
91	55.4	26.8	80.3
134	23.6	11.5	34.4

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.78 ug/l

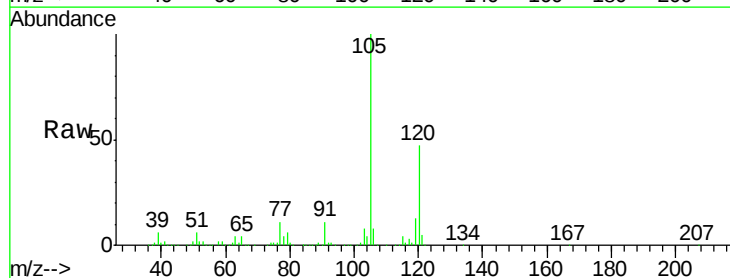
RT: 11.82 min Scan# 1842

Delta R.T. 0.01 min

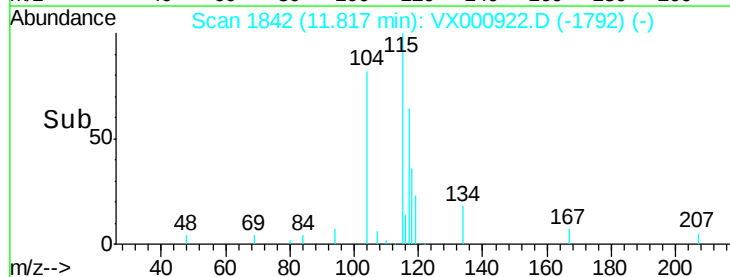
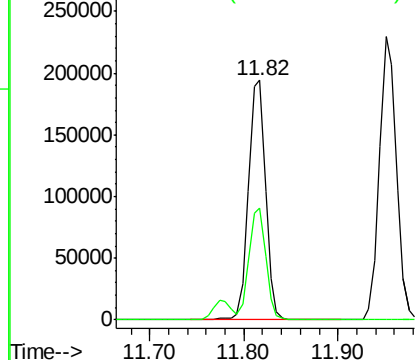
Lab File: VX000922.D

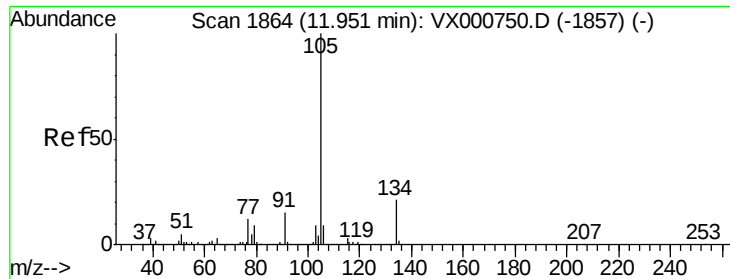
Acq: 16 Apr 2018 16:41

Tgt Ion:	105	Resp:	247089
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.3



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





#85

sec-Butylbenzene

Concen: 20.63 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:105 Resp: 286764

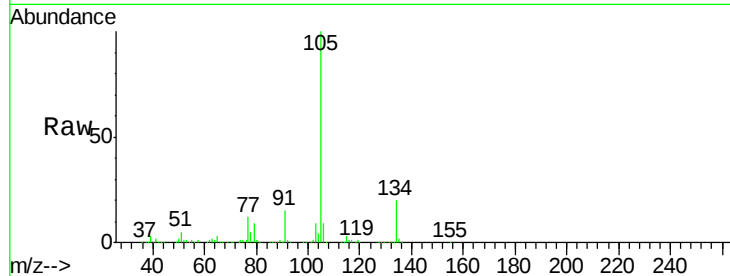
Ion Ratio Lower Upper

105 100

134 21.3 10.8 32.4

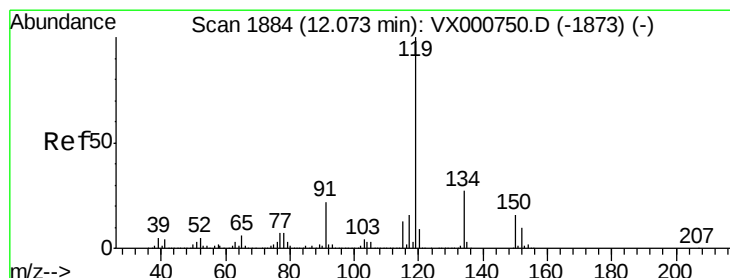
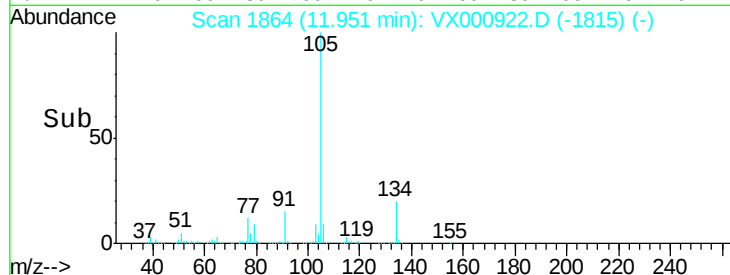
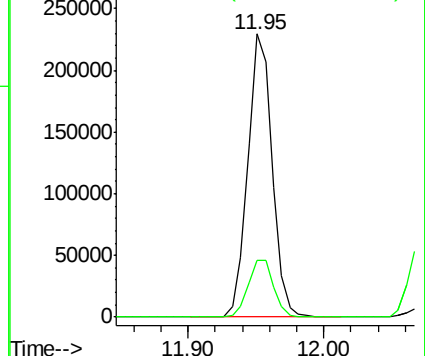
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.29 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

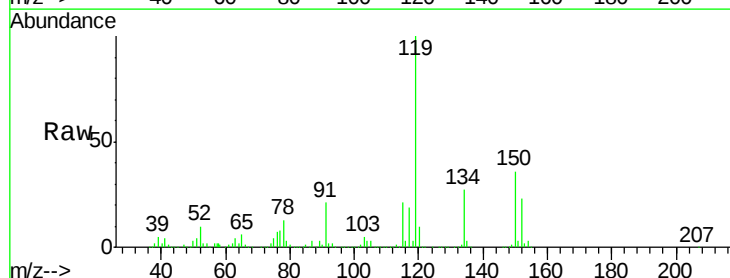
Tgt Ion:119 Resp: 262941

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

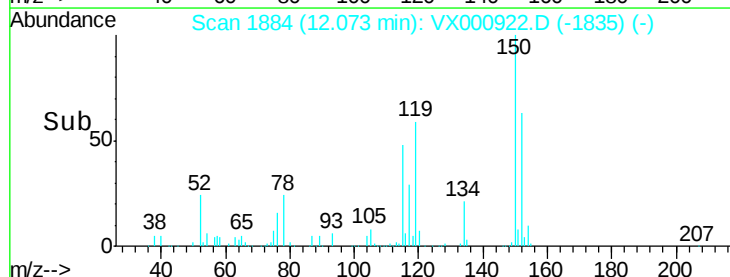
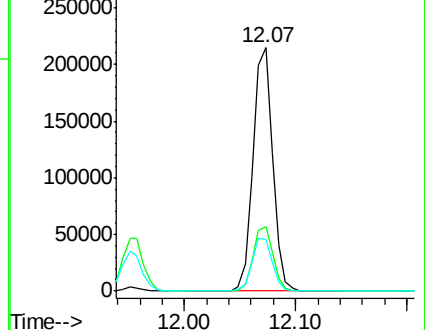
91 22.6 11.2 33.5

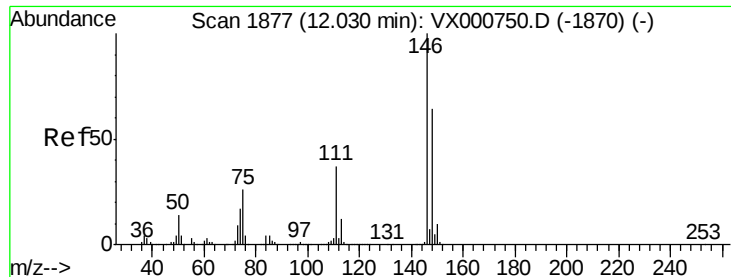


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





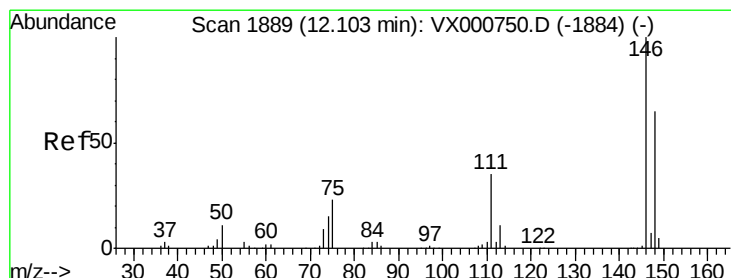
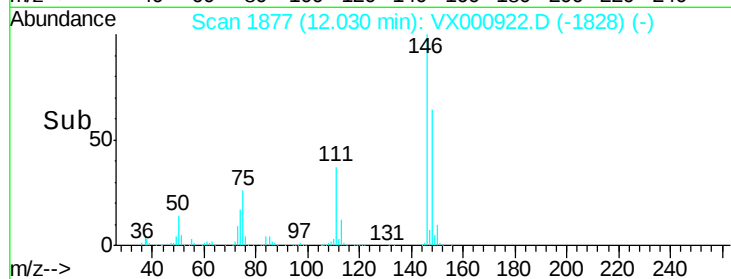
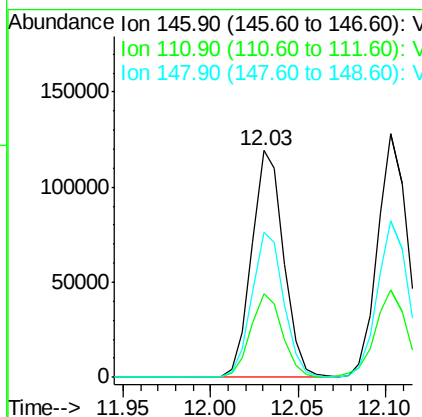
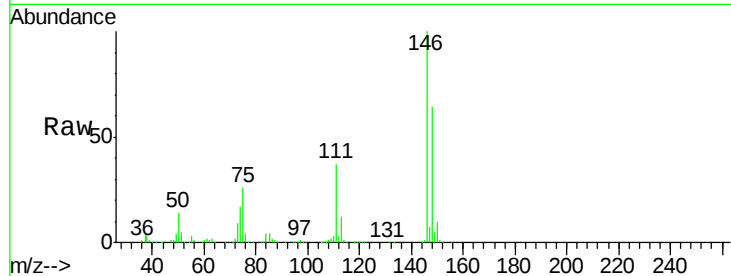
#87
 1,3-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	63.8	32.2	96.6

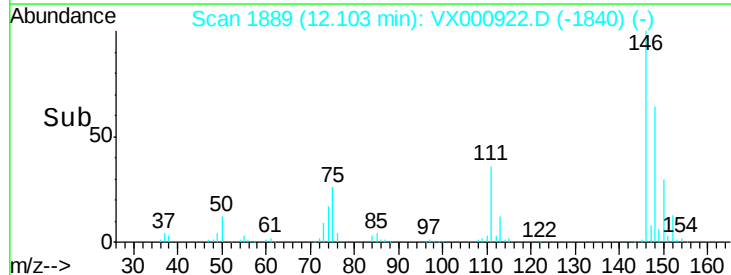
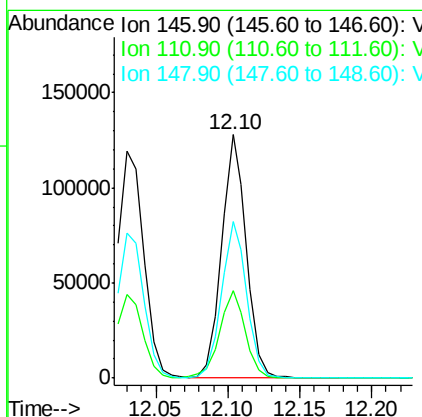
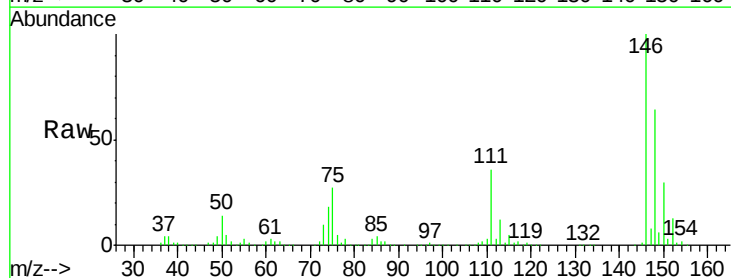
Manual Integrations
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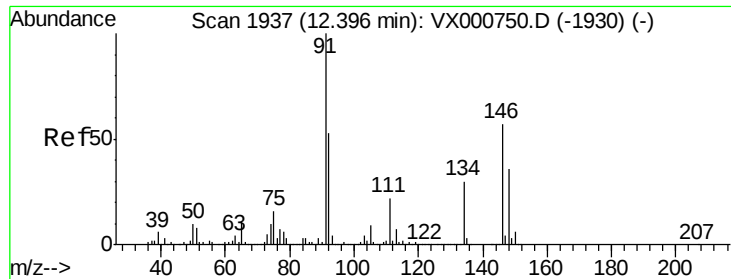
MMDadoda
 4/18/2018 2:45:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.9	53.8
148	65.4	32.6	97.7





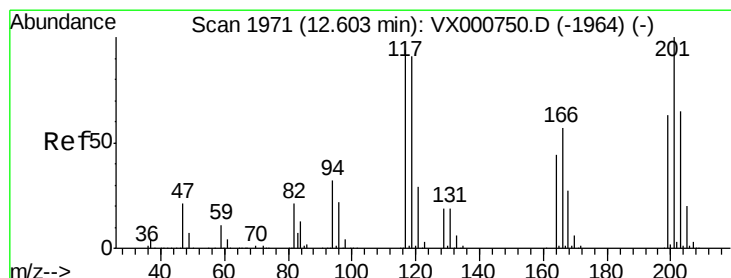
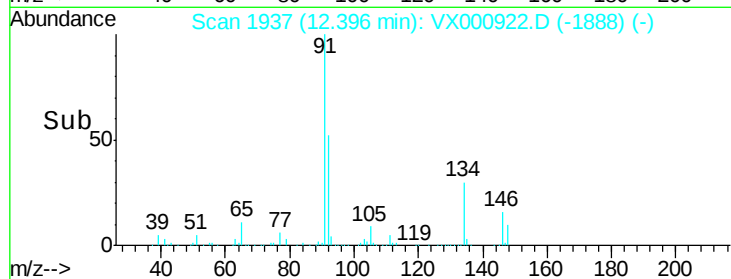
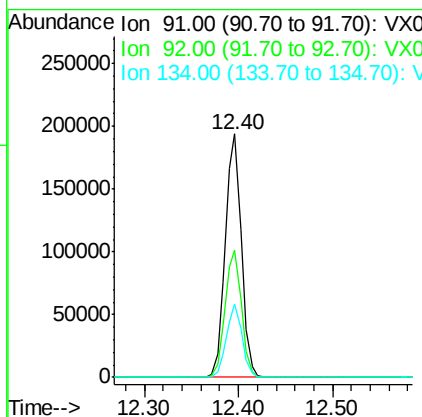
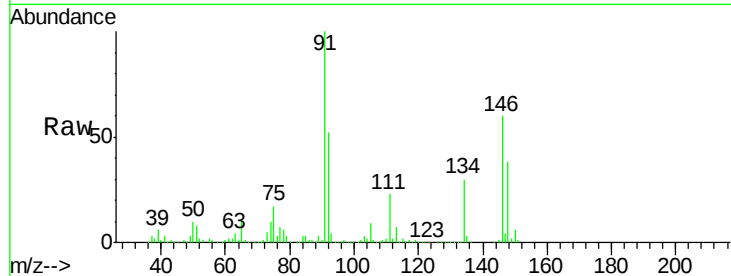
#89
n-Butylbenzene
Concen: 20.03 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	29.0	14.5	43.5

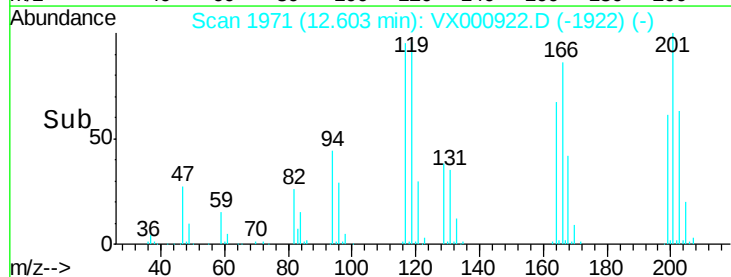
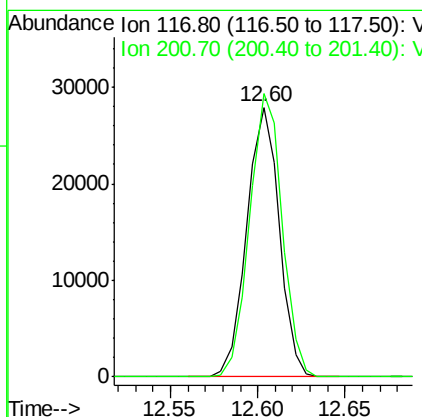
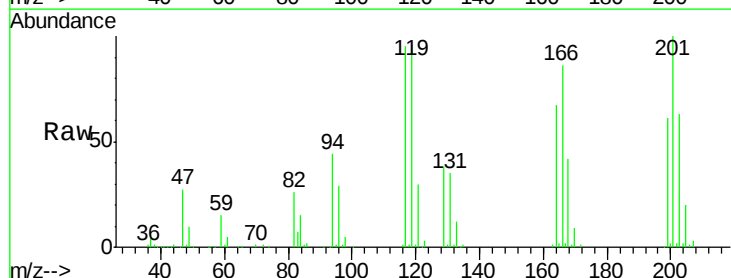
Manual Integrations
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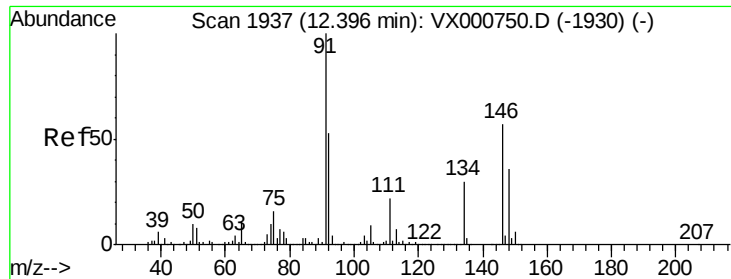
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#90
Hexachloroethane
Concen: 16.44 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000922.D
Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.0	52.9	158.7





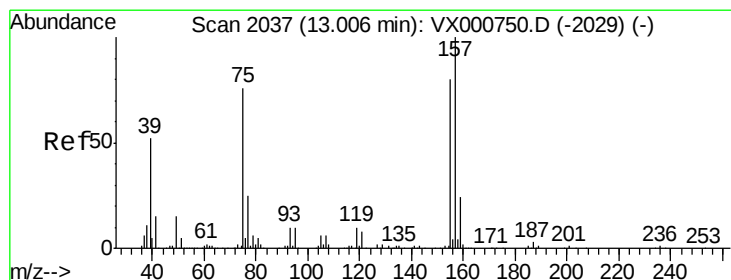
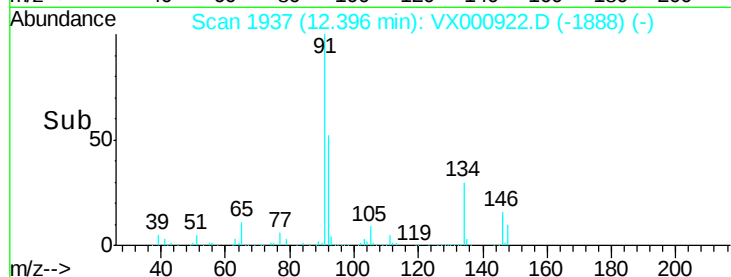
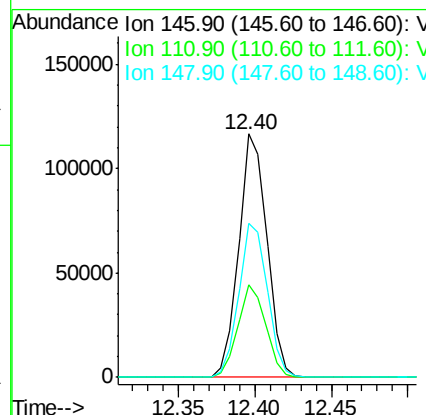
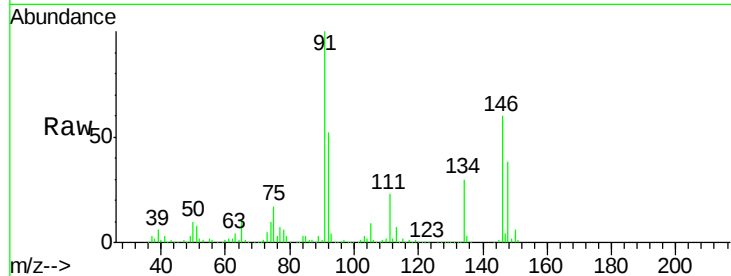
#91
 1,2-Dichlorobenzene
 Concen: 21.27 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149157		
111	37.7	18.9	56.7	
148	64.2	32.0	96.2	

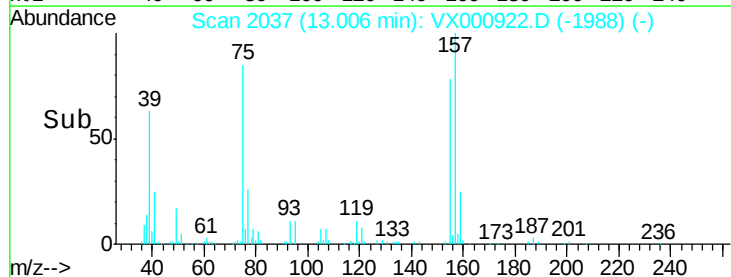
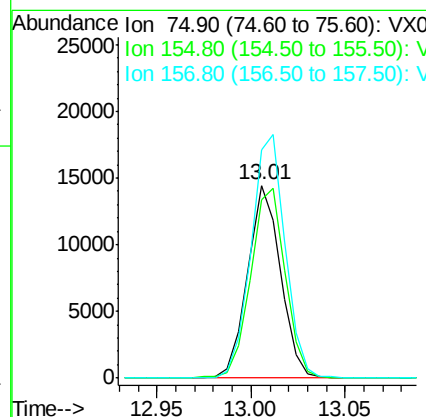
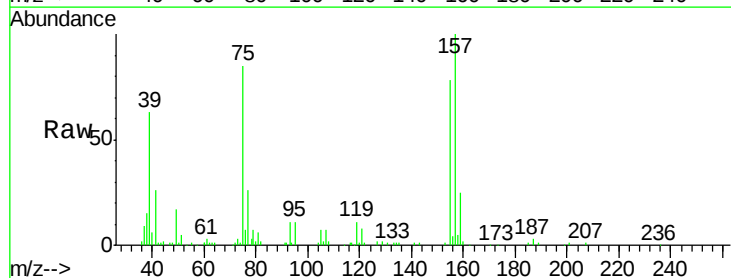
Manual Integrations
 APPROVED

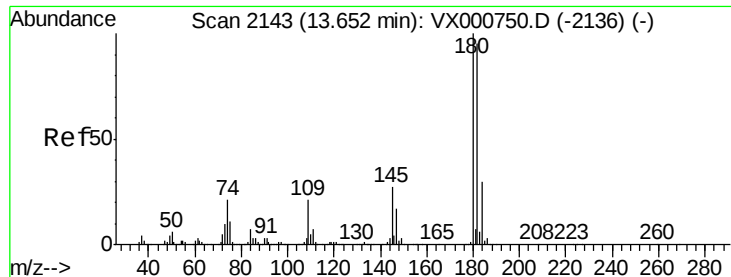
MMDadoda
 4/18/2018 2:45:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.99 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17513		
155	103.7	51.9	155.8	
157	130.2	66.6	199.8	





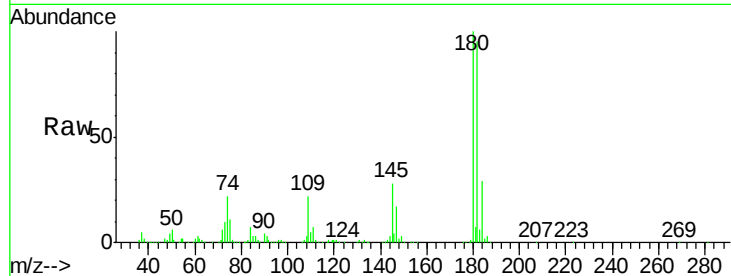
#93
 1,2,4-Trichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

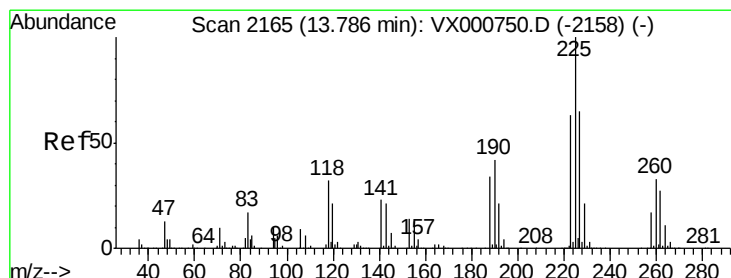
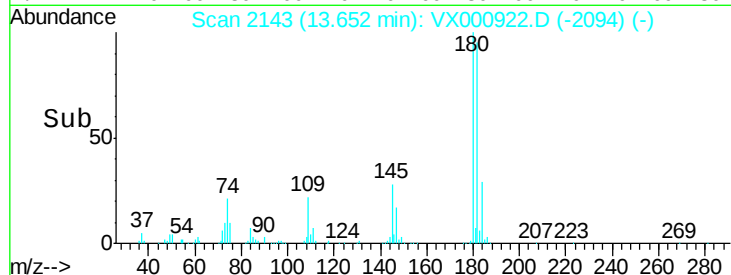
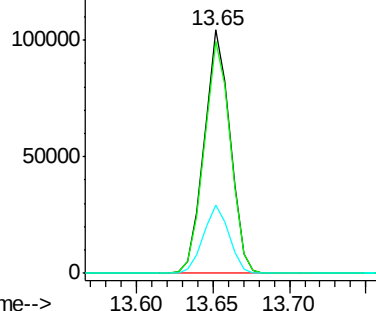
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122268		
182	96.3	47.5	142.5	
145	27.9	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:07 PM

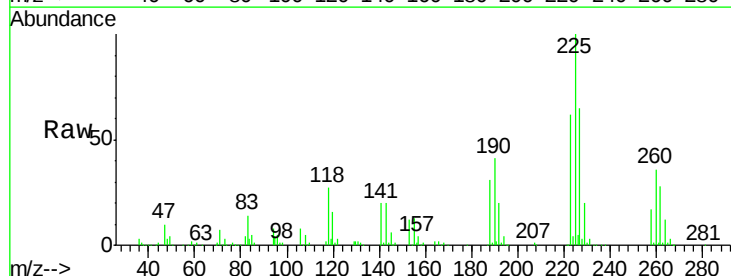


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

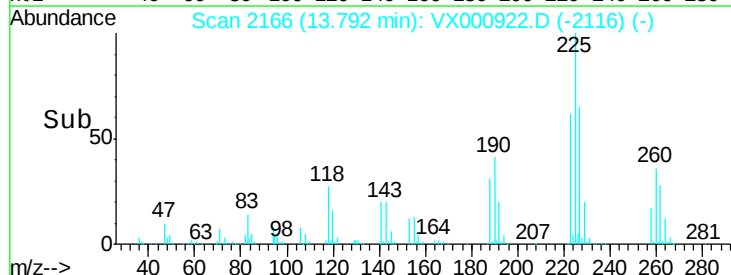
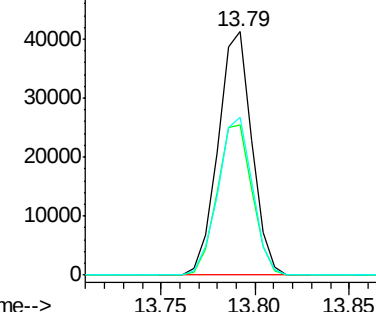


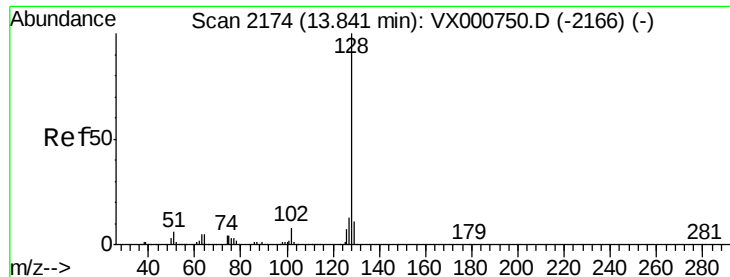
#94
 Hexachlorobutadiene
 Concen: 17.44 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000922.D
 Acq: 16 Apr 2018 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51316		
223	64.0	31.2	93.6	
227	65.9	32.3	96.9	



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





#95

Naphthalene

Concen: 21.11 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Instrument :

MSVOA_X

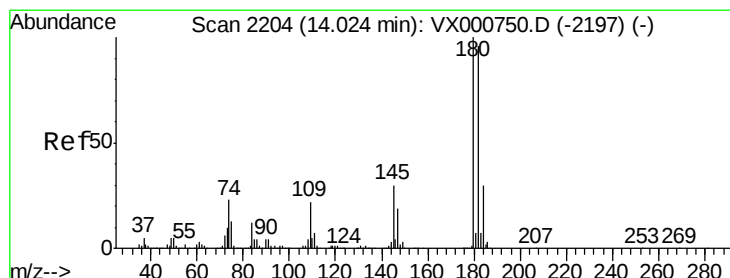
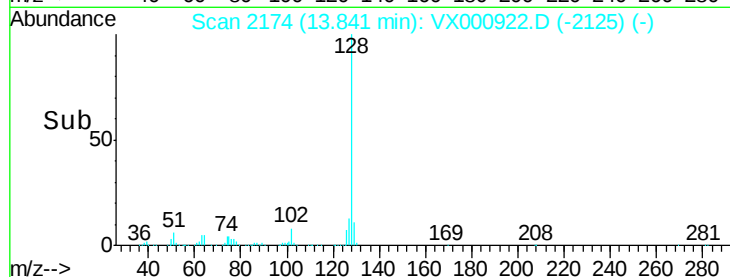
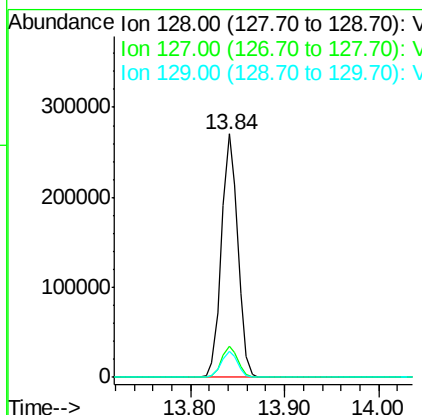
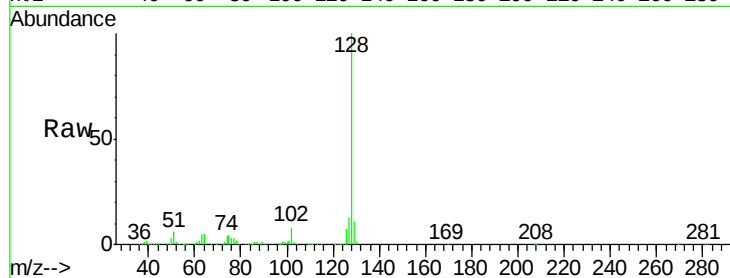
ClientSampleId :

VX0416MBS01

Tot Ion:	128	Resp:	324266
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.57 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000922.D

Acq: 16 Apr 2018 16:41

Tgt Ion:	180	Resp:	119518
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.4	145.2
145	29.1	14.6	43.8

